

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059688.D
 Acq On : 13 Jan 2020 14:06
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 14 08:38:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	190194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	259304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	117235	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	10975	3.97	ug/l	0.00
Spiked Amount			Recovery	=	7.94%	
35) Dibromofluoromethane	7.57	113	8967	4.87	ug/l	0.00
Spiked Amount			Recovery	=	9.74%	
50) Toluene-d8	10.08	98	34886	4.79	ug/l	0.00
Spiked Amount			Recovery	=	9.58%	
62) 4-Bromofluorobenzene	12.40	95	12534	4.71	ug/l	0.00
Spiked Amount			Recovery	=	9.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	8050	3.275	ug/l	99
3) Chloromethane	2.04	50	10402	2.667	ug/l	99
4) Vinyl Chloride	2.17	62	11042	2.986	ug/l	95
5) Bromomethane	2.54	94	7561	3.517	ug/l	93
6) Chloroethane	2.68	64	5784	2.783	ug/l	95
7) Trichlorofluoromethane	3.00	101	15496	3.819	ug/l	97
8) Diethyl Ether	3.38	74	5567	4.391	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	8811	4.309	ug/l	95
10) Methyl Iodide	3.93	142	12550	4.636	ug/l	93
11) Tert butyl alcohol	4.73	59	9074	17.884	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	9192	4.608	ug/l	83
13) Acrolein	3.58	56	7123	19.708	ug/l	93
14) Allyl chloride	4.29	41	12650	3.089	ug/l #	84
15) Acrylonitrile	4.95	53	20565	16.756	ug/l	97
16) Acetone	3.78	43	20368	12.396	ug/l	96
17) Carbon Disulfide	4.03	76	26027	3.800	ug/l	97
18) Methyl Acetate	4.30	43	11463	3.329	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	29277	4.157	ug/l	95
20) Methylene Chloride	4.52	84	11479	4.837	ug/l #	85
21) trans-1,2-Dichloroethene	5.01	96	9755	4.386	ug/l	86
22) Diisopropyl ether	5.91	45	26819	3.552	ug/l #	81
23) Vinyl Acetate	5.86	43	108945	18.388	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	16868	3.944	ug/l	97
25) 2-Butanone	6.81	43	30740	15.645	ug/l	96
26) 2,2-Dichloropropane	6.79	77	16349	4.206	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	10860	4.407	ug/l	89
28) Bromochloromethane	7.17	49	6619	4.513	ug/l #	76
29) Tetrahydrofuran	7.18	42	18484	15.440	ug/l	89
30) Chloroform	7.35	83	17777	4.223	ug/l	96
31) Cyclohexane	7.63	56	18610	4.605	ug/l #	77
32) 1,1,1-Trichloroethane	7.55	97	16404	4.322	ug/l	95
36) 1,1-Dichloropropene	7.77	75	13030	4.246	ug/l	95
37) Ethyl Acetate	6.90	43	10820	3.033	ug/l #	94
38) Carbon Tetrachloride	7.75	117	14307	4.493	ug/l	97

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 14 08:38:26 2020
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	16022	4.603	ug/l	96
40) Benzene	8.02	78	39731	4.430	ug/l	100
41) Methacrylonitrile	7.18	41	19140	13.002	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	13340	3.884	ug/l	96
43) Isopropyl Acetate	8.14	43	20195	3.642	ug/l	96
44) Trichloroethene	8.82	130	10642	4.530	ug/l	94
45) 1,2-Dichloropropane	9.10	63	9917	4.095	ug/l	99
46) Dibromomethane	9.19	93	7039	4.436	ug/l	92
47) Bromodichloromethane	9.38	83	13394	4.234	ug/l	99
48) Methyl methacrylate	9.18	41	8904	3.539	ug/l	91
49) 1,4-Dioxane	9.18	88	3311	91.828	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	61580	18.624	ug/l	98
52) Toluene	10.14	92	24617	4.467	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	15066	4.118	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	15887	4.131	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	9877	4.568	ug/l	96
56) Ethyl methacrylate	10.42	69	14750	4.595	ug/l	93
57) 1,3-Dichloropropane	10.70	76	15525	4.123	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	19214	18.819	ug/l	93
59) 2-Hexanone	10.74	43	43603	16.732	ug/l	93
60) Dibromochloromethane	10.89	129	11171	4.733	ug/l	100
61) 1,2-Dibromoethane	11.00	107	9855	4.297	ug/l	96
64) Tetrachloroethene	10.62	164	11634	4.813	ug/l	94
65) Chlorobenzene	11.43	112	26354	4.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	10222	4.796	ug/l	96
67) Ethyl Benzene	11.50	91	47754	4.715	ug/l	96
68) m/p-Xylenes	11.61	106	35984	9.622	ug/l	96
69) o-Xylene	11.94	106	17519	4.923	ug/l	98
70) Styrene	11.96	104	29234	5.113	ug/l	96
71) Bromoform	12.12	173	7902	4.933	ug/l #	99
73) Isopropylbenzene	12.24	105	46715	5.076	ug/l	100
74) N-amyl acetate	12.06	43	17413	4.125	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	13625	4.667	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	17712	6.103	ug/l #	100
77) Bromobenzene	12.52	156	11715	5.176	ug/l	80
78) n-propylbenzene	12.59	91	51042	4.692	ug/l	95
79) 2-Chlorotoluene	12.67	91	31742	4.825	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	39288	5.045	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4513	3.841	ug/l	96
82) 4-Chlorotoluene	12.77	91	30828	4.577	ug/l	96
83) tert-Butylbenzene	12.99	119	34056	5.164	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	38080	4.917	ug/l	97
85) sec-Butylbenzene	13.17	105	43854	4.999	ug/l	98
86) p-Isopropyltoluene	13.28	119	40220	5.062	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	19436	4.670	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	20195	4.813	ug/l	99
89) n-Butylbenzene	13.61	91	33057	4.437	ug/l	96
90) Hexachloroethane	13.87	117	7451	4.961	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	19862	4.839	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	3002	3.492	ug/l	87

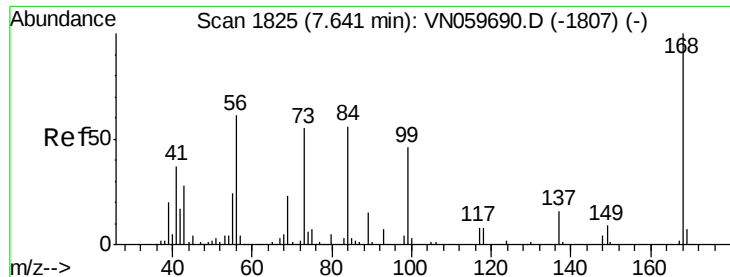
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
Data File : VN059688.D
Acq On : 13 Jan 2020 14:06
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Sample : VSTDICC005
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11026	4.160	ug/l	99
94) Hexachlorobutadiene	15.01	225	6709	4.727	ug/l	98
95) Naphthalene	15.13	128	29619	3.744	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	10413	3.885	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

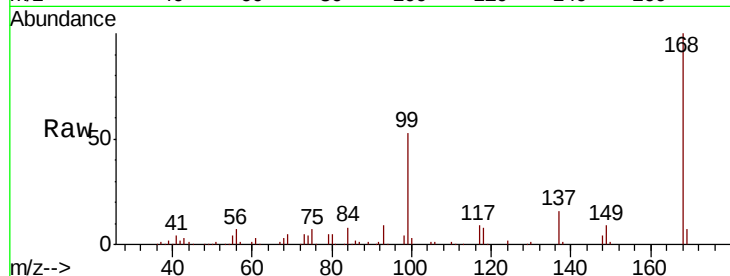
VSTDIC005

Tot Ion:168 Resp: 190194

Ion Ratio Lower Upper

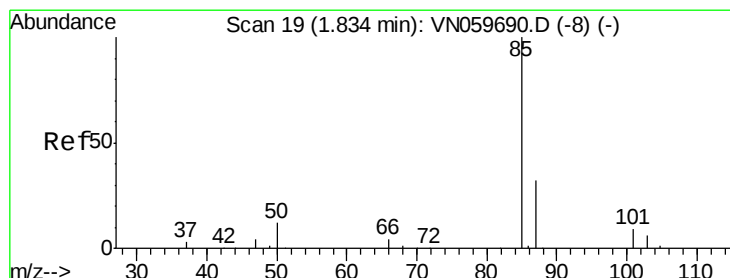
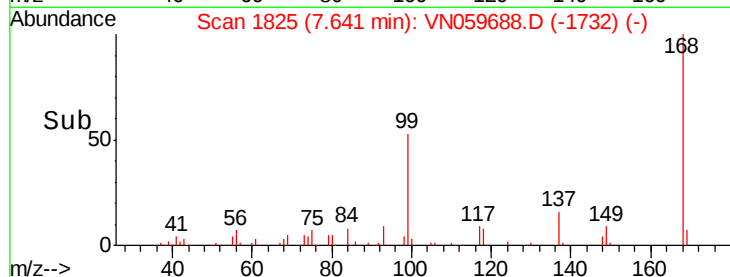
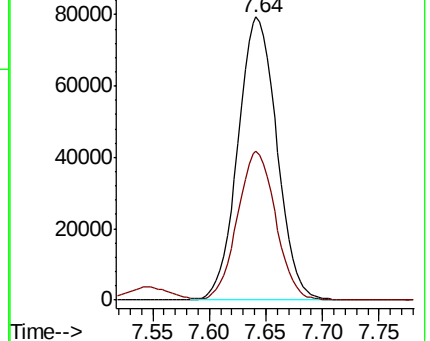
168 100

99 52.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 3.275 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059688.D

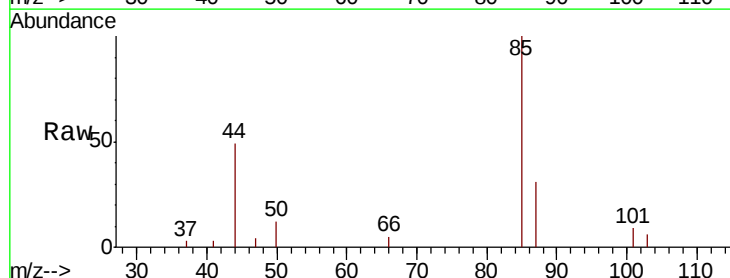
Acq: 13 Jan 2020 14:06

Tgt Ion: 85 Resp: 8050

Ion Ratio Lower Upper

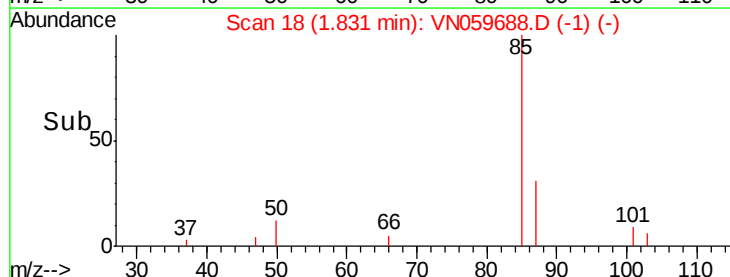
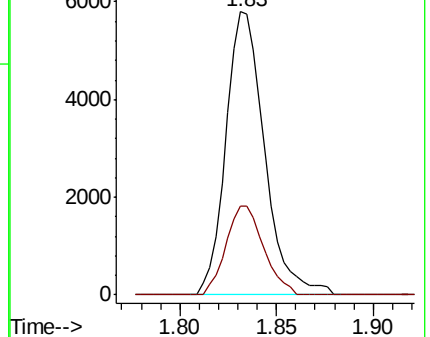
85 100

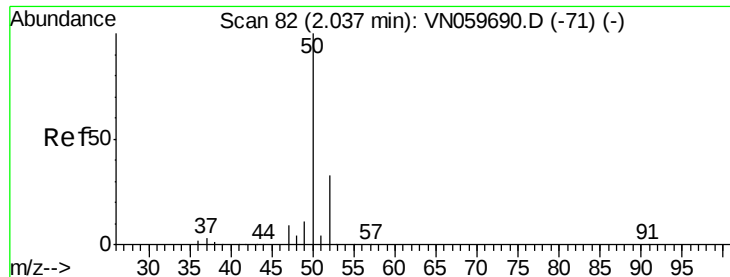
87 31.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 2.667 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

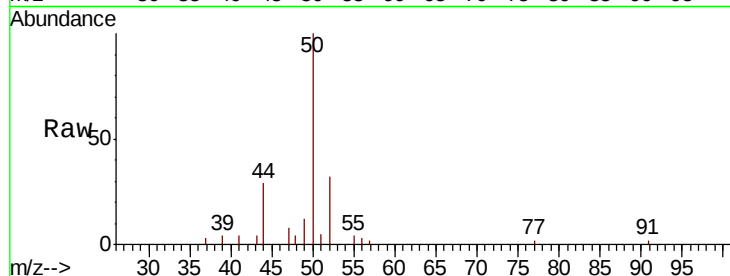
VSTDIC005

Tot Ion: 50 Resp: 10402

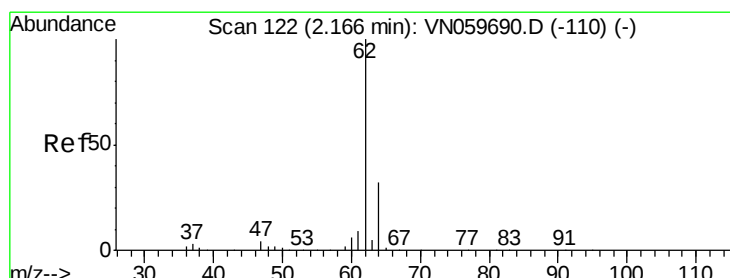
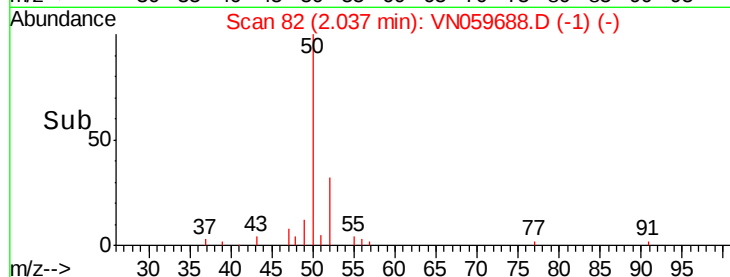
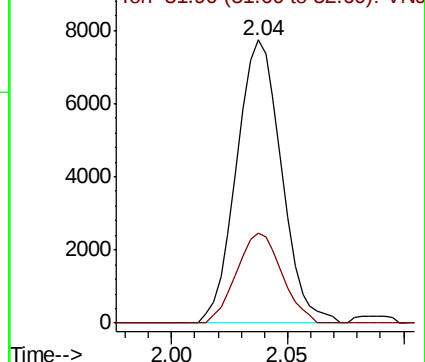
Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 2.986 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059688.D

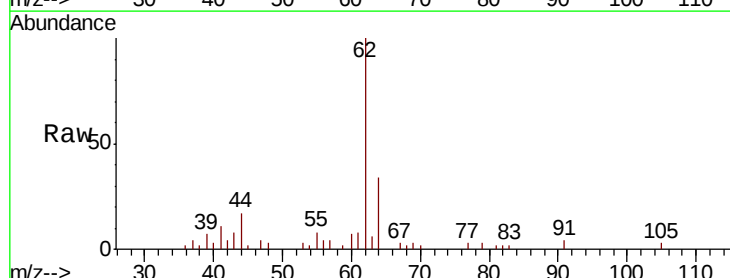
Acq: 13 Jan 2020 14:06

Tgt Ion: 62 Resp: 11042

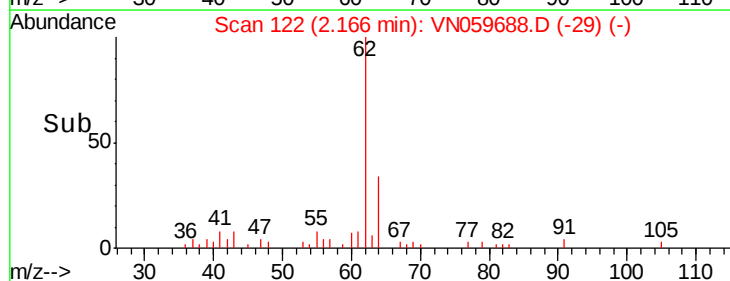
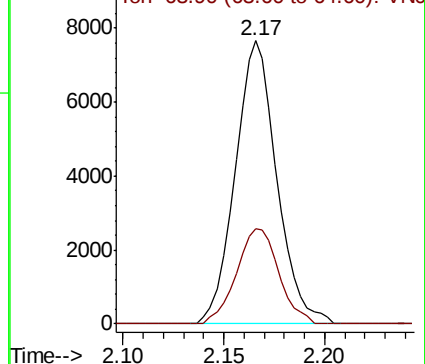
Ion Ratio Lower Upper

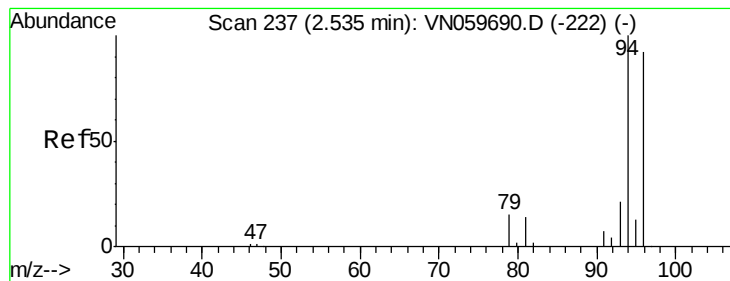
62 100

64 33.7 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 3.517 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

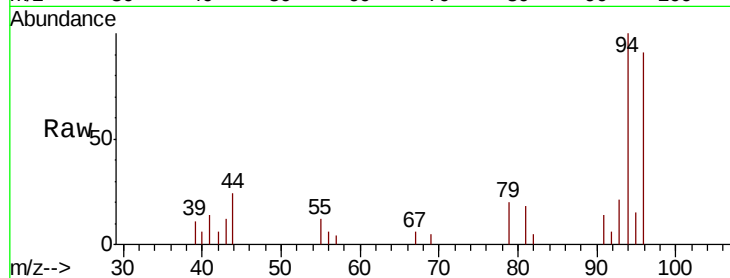
VSTDIC005

Tot Ion: 94 Resp: 7561

Ion Ratio Lower Upper

94 100

96 86.7 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

4000

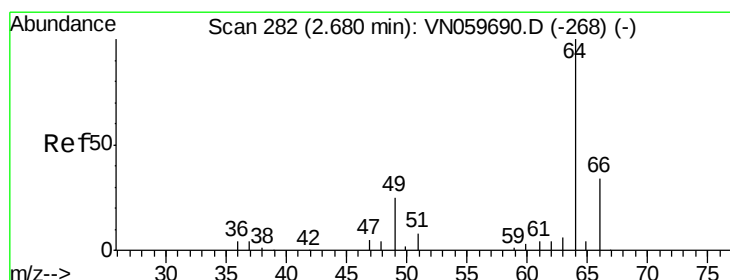
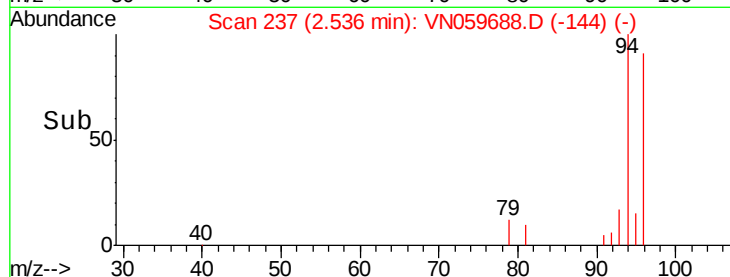
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 2.783 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059688.D

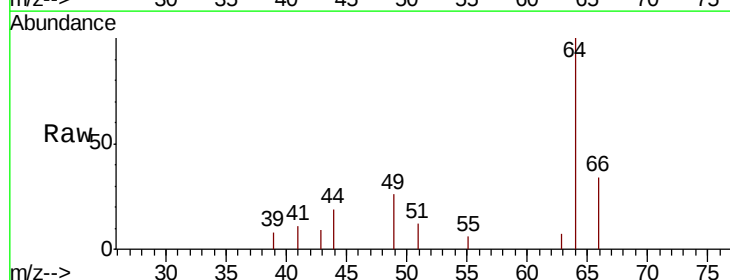
Acq: 13 Jan 2020 14:06

Tgt Ion: 64 Resp: 5784

Ion Ratio Lower Upper

64 100

66 33.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

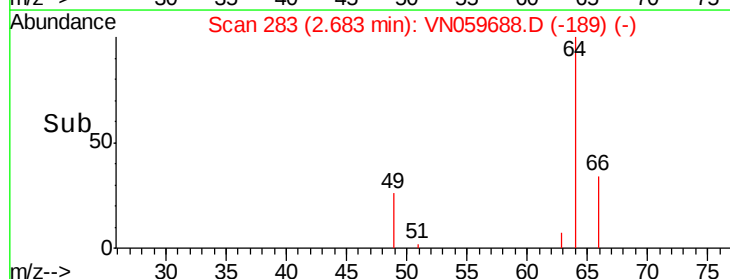
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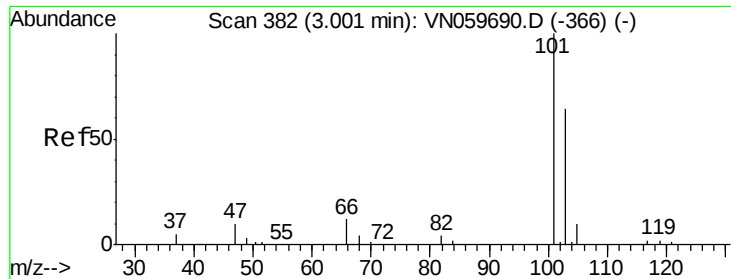
2000

1000

0

Time-->



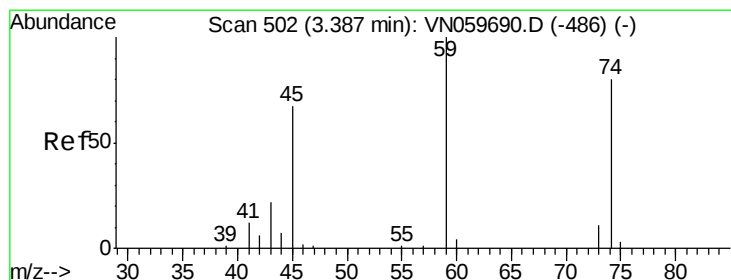
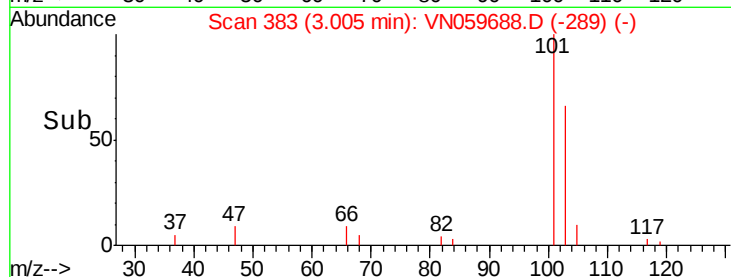
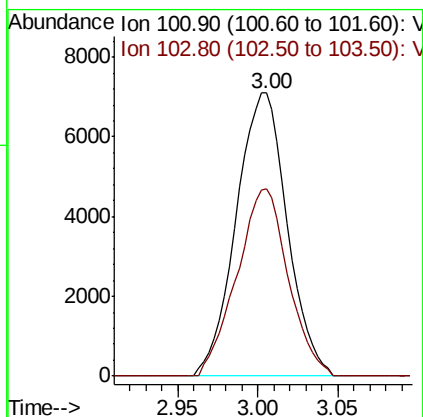
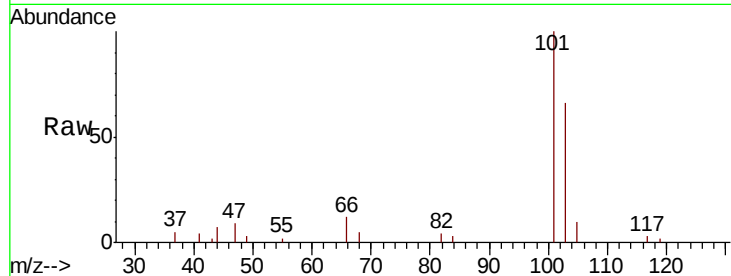


#7

Trichlorofluoromethane
 Concen: 3.819 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

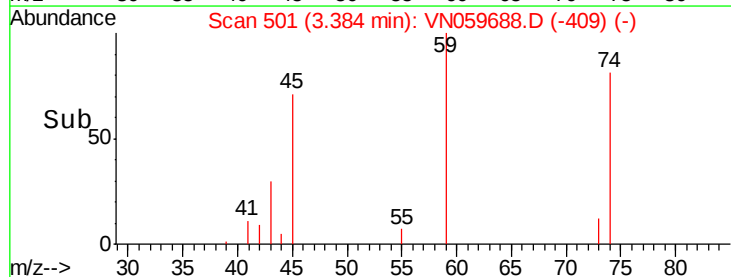
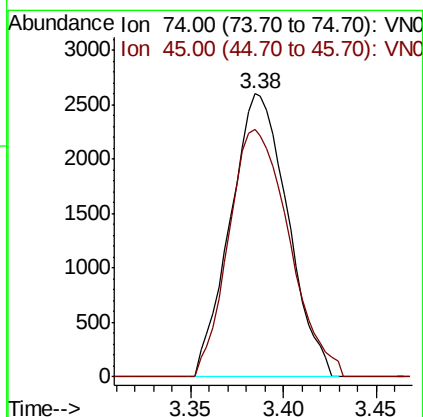
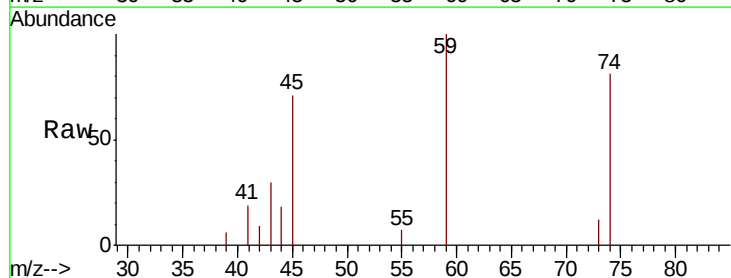
Tot Ion:101 Resp: 15496
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.0 76.6

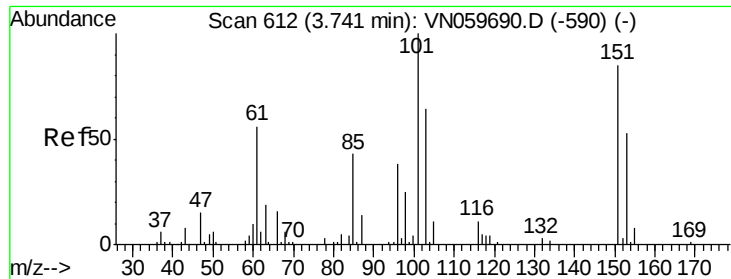


#8

Diethyl Ether
 Concen: 4.391 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion: 74 Resp: 5567
 Ion Ratio Lower Upper
 74 100
 45 92.2 51.9 155.8

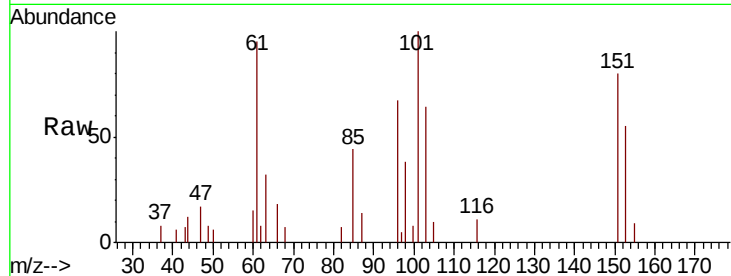




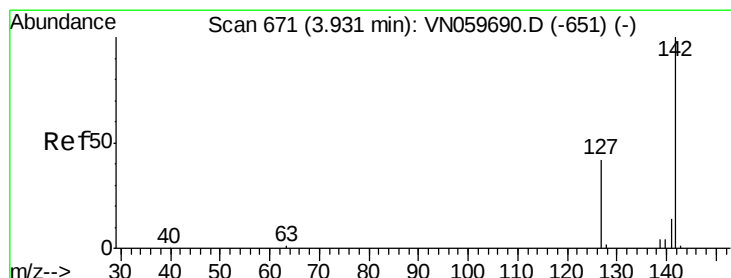
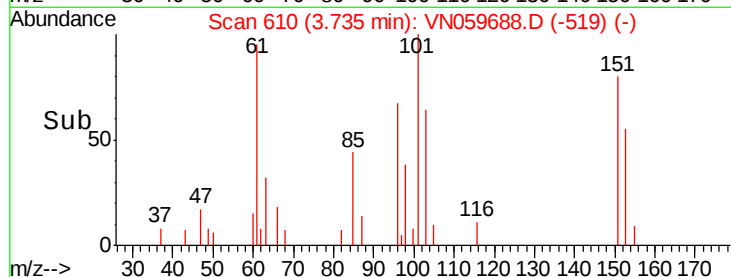
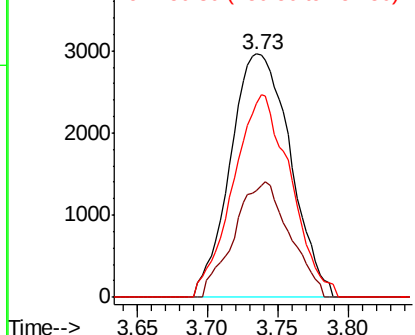
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.309 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 8811
 Ion Ratio Lower Upper
 101 100
 85 43.8 36.6 54.8
 151 79.8 59.7 89.5

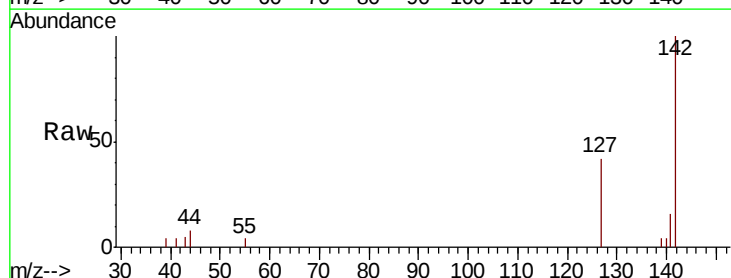


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

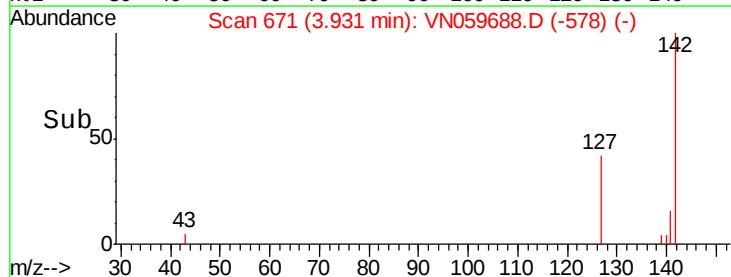
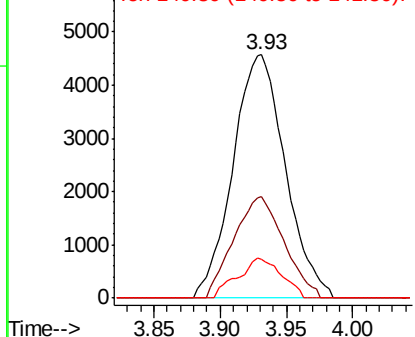


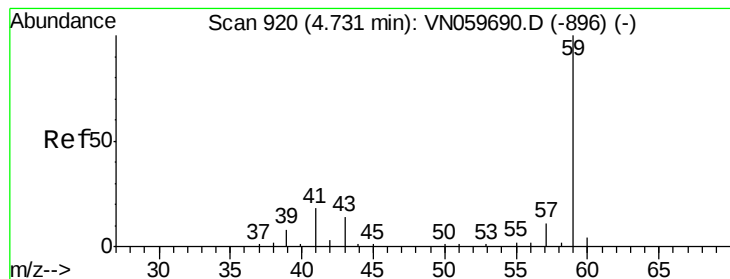
#10
 Methyl Iodide
 Concen: 4.636 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion:142 Resp: 12550
 Ion Ratio Lower Upper
 142 100
 127 40.0 36.7 55.1
 141 13.6 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



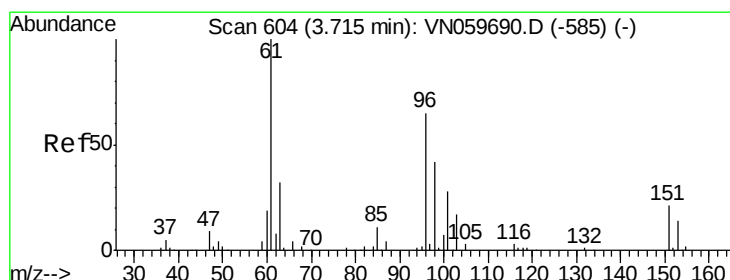
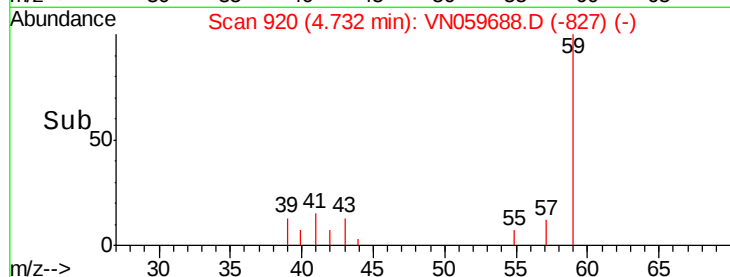
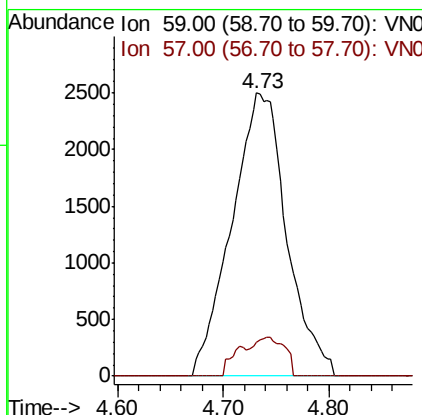
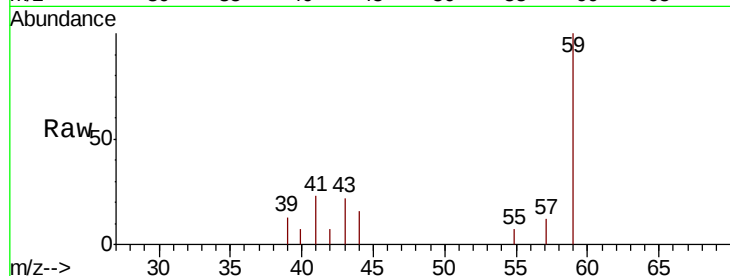


#11

Tert butyl alcohol
 Concen: 17.884 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

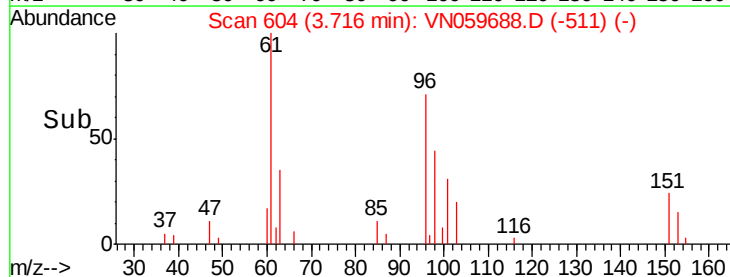
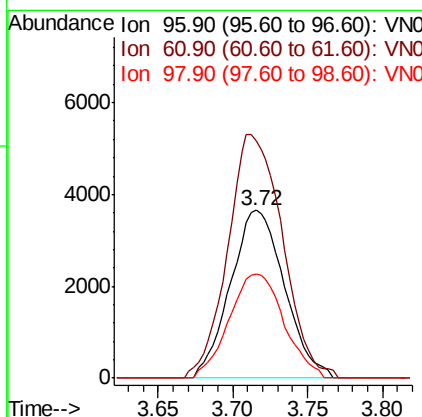
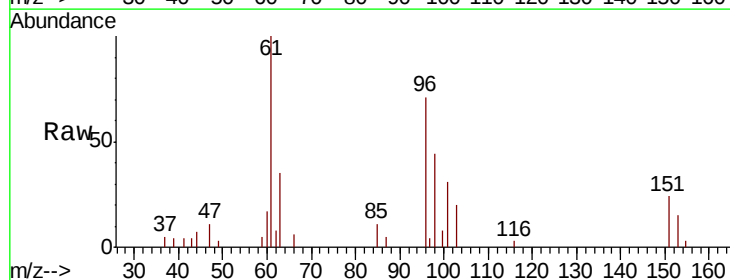
Tot Ion: 59 Resp: 9074
 Ion Ratio Lower Upper
 59 100
 57 7.4 8.6 12.8#

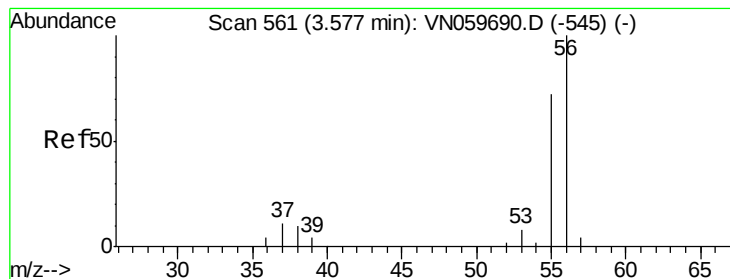


#12

1,1-Dichloroethene
 Concen: 4.608 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion: 96 Resp: 9192
 Ion Ratio Lower Upper
 96 100
 61 141.3 137.5 206.3
 98 61.9 50.2 75.4





#13

Acrolein

Concen: 19.708 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

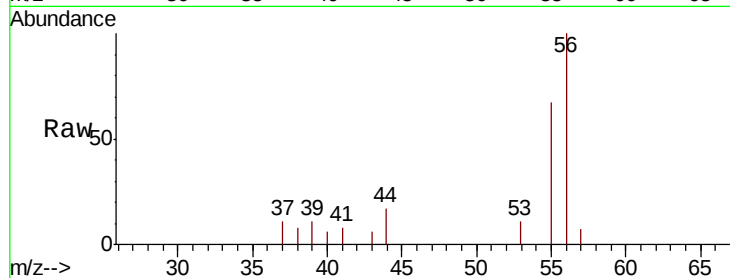
VSTDIC005

Tot Ion: 56 Resp: 7123

Ion Ratio Lower Upper

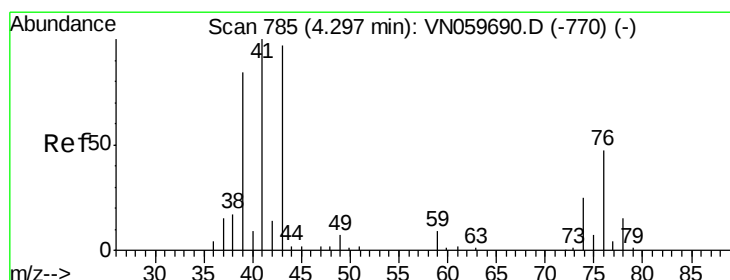
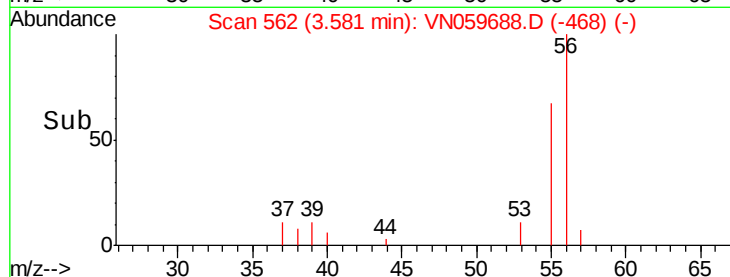
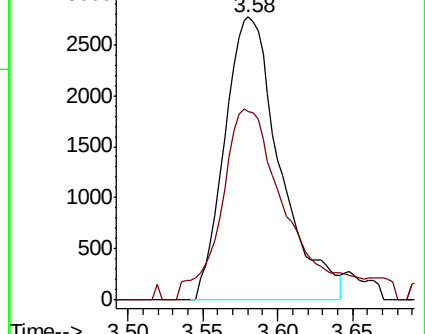
56 100

55 79.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 3.089 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

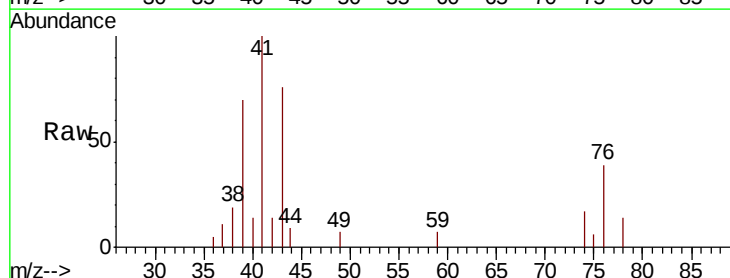
Tgt Ion: 41 Resp: 12650

Ion Ratio Lower Upper

41 100

39 85.2 57.8 86.8

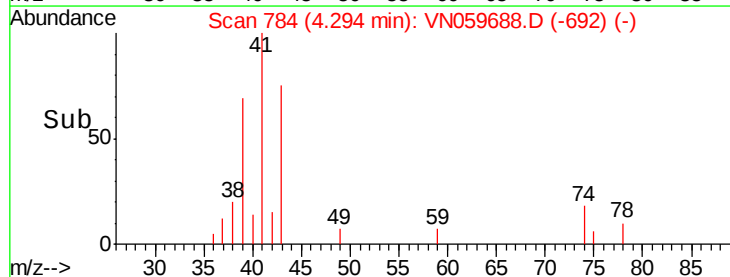
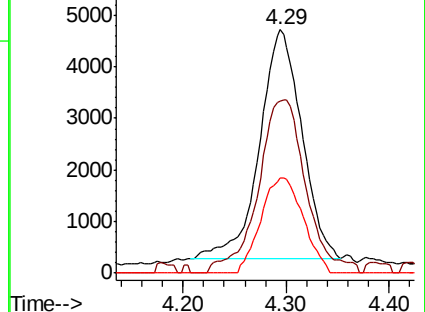
76 41.5 25.4 38.0#

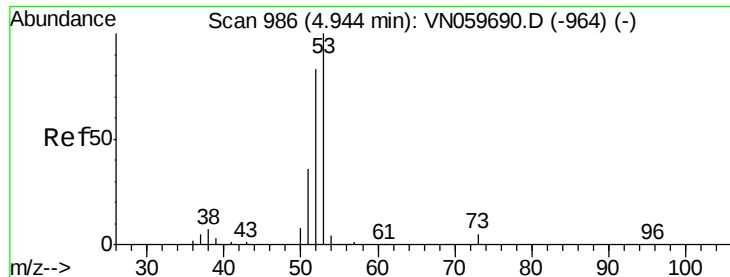


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 16.756 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.01 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

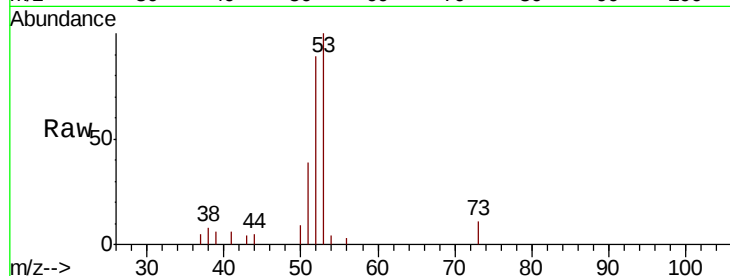
Tot Ion: 53 Resp: 20565

Ion Ratio Lower Upper

53 100

52 80.4 66.3 99.5

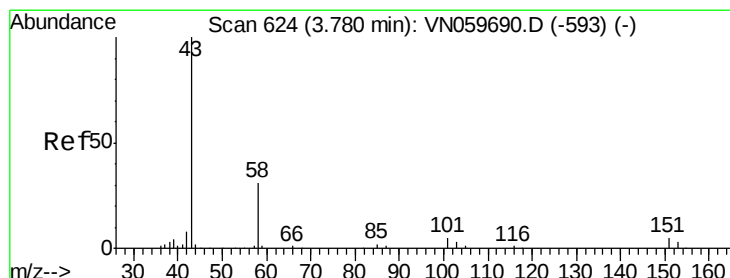
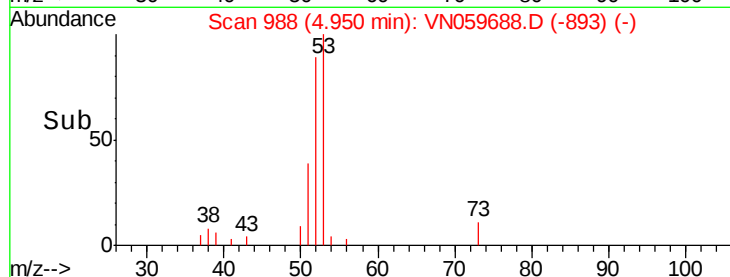
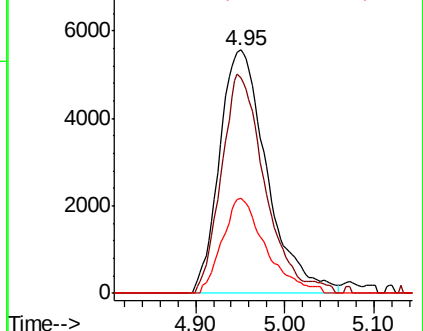
51 35.7 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059690.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN059690.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN059690.D (-964) (-)



#16

Acetone

Concen: 12.396 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059688.D

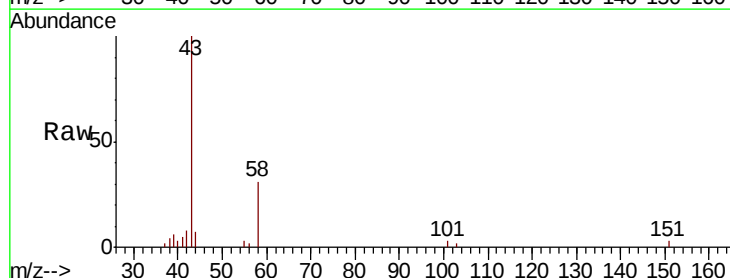
Acq: 13 Jan 2020 14:06

Tgt Ion: 43 Resp: 20368

Ion Ratio Lower Upper

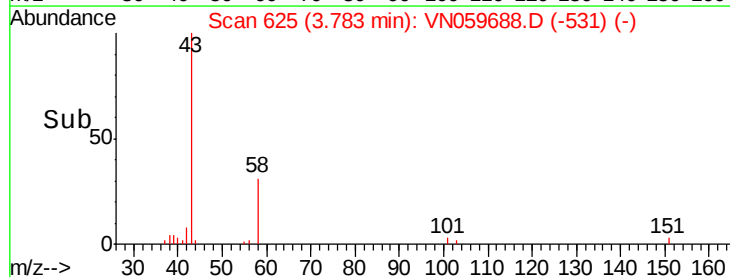
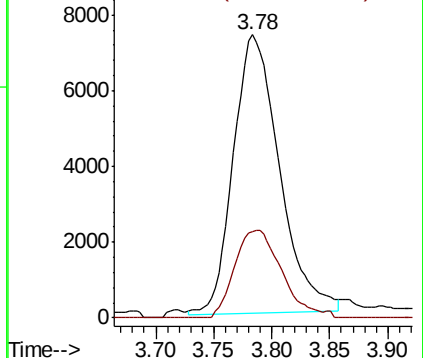
43 100

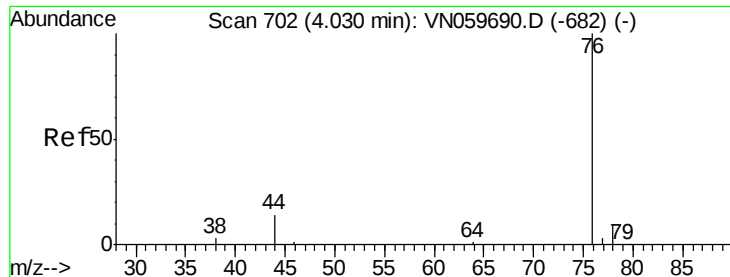
58 31.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)





#17

Carbon Disulfide

Concen: 3.800 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

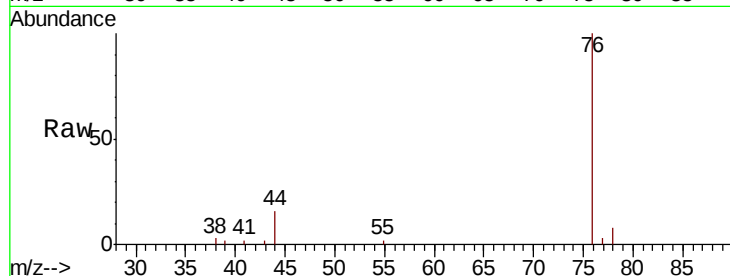
VSTDIC005

Tot Ion: 76 Resp: 26027

Ion Ratio Lower Upper

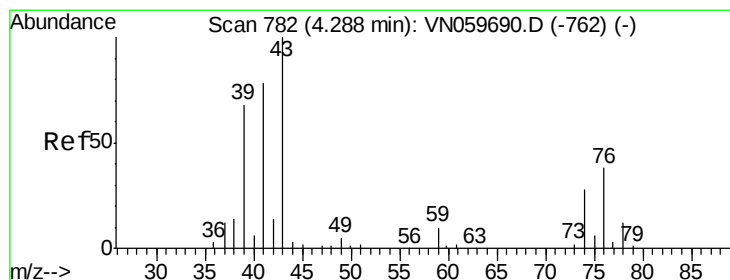
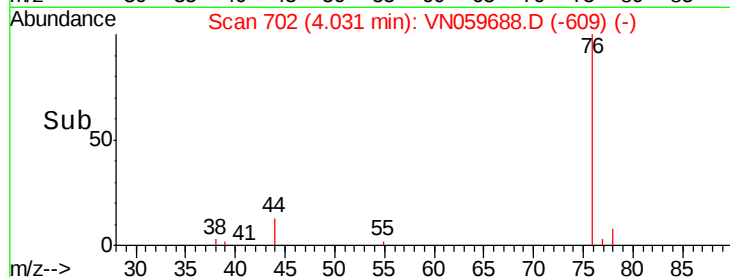
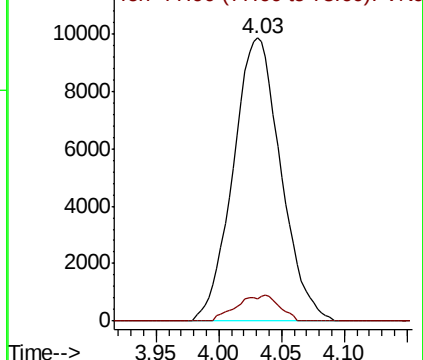
76 100

78 8.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 3.329 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059688.D

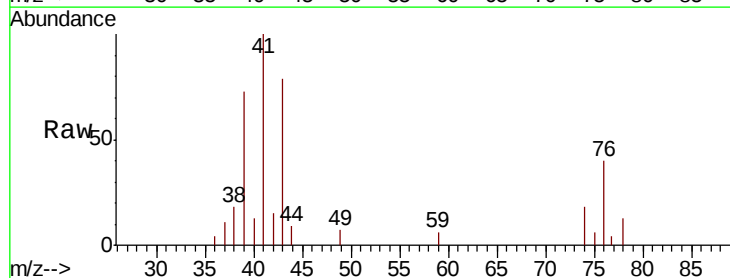
Acq: 13 Jan 2020 14:06

Tgt Ion: 43 Resp: 11463

Ion Ratio Lower Upper

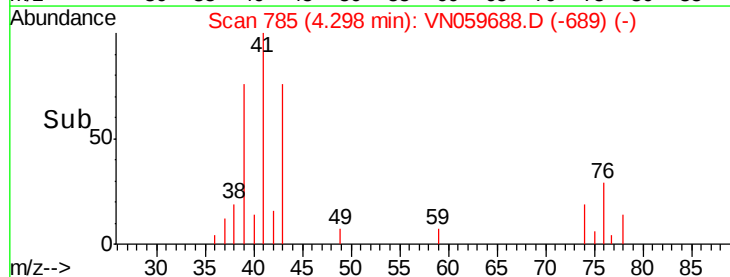
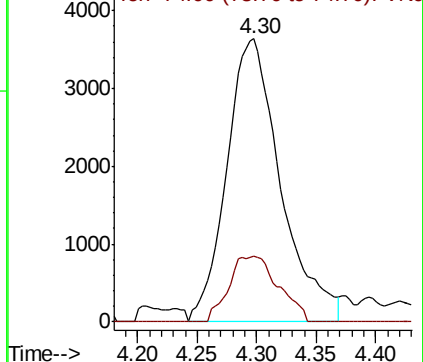
43 100

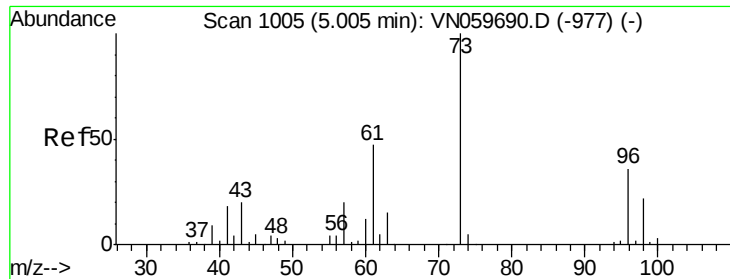
74 21.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

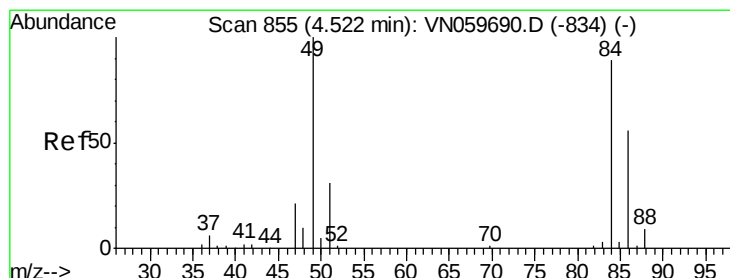
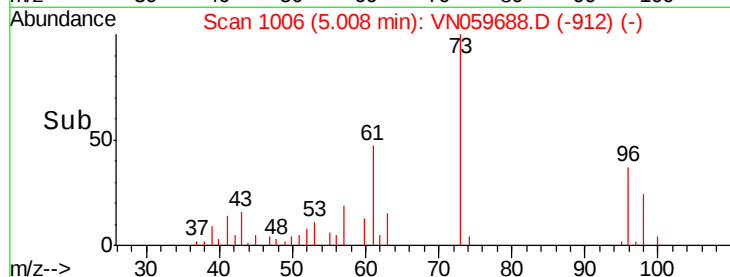
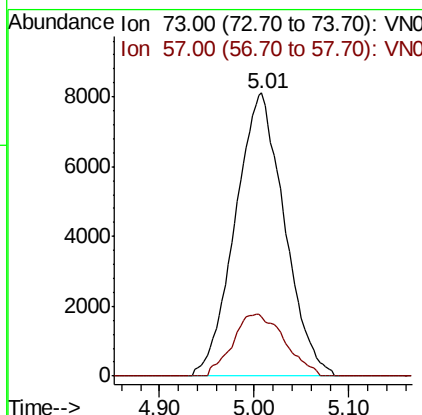
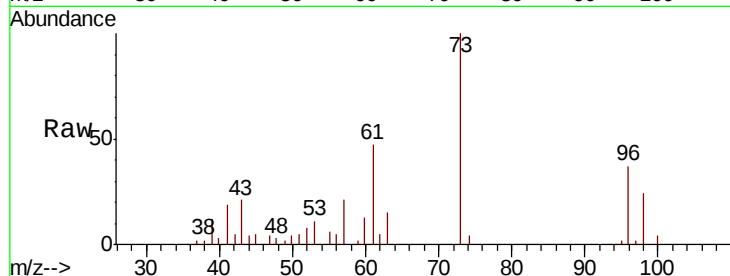




#19
Methvl tert-butvl Ether
Concen: 4.157 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

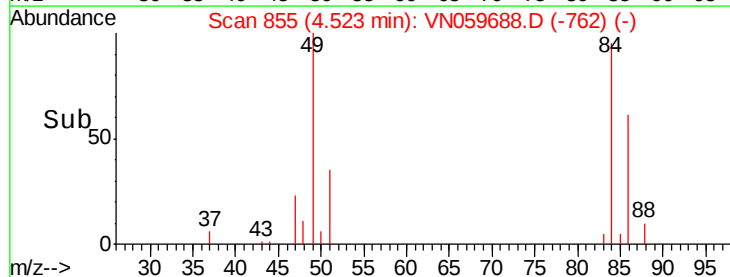
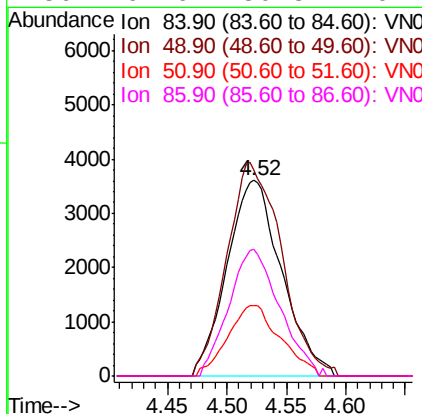
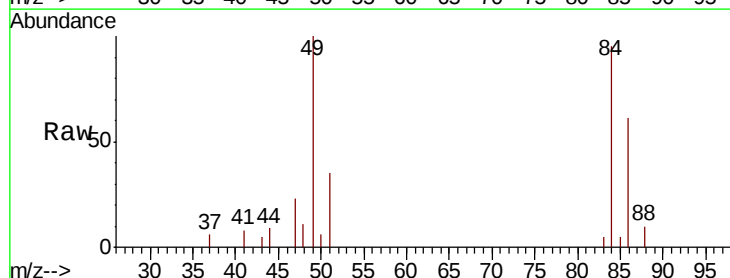
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

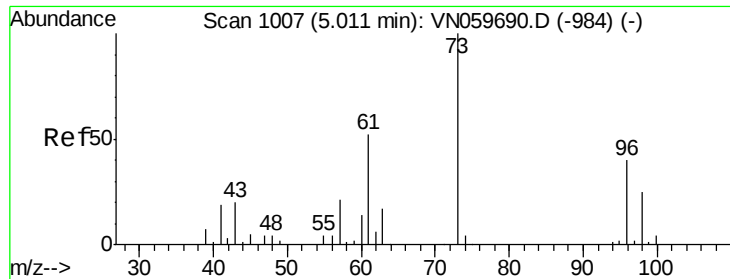
Tot Ion: 73 Resp: 29277
Ion Ratio Lower Upper
73 100
57 20.8 18.6 27.8



#20
Methylene Chloride
Concen: 4.837 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion: 84 Resp: 11479
Ion Ratio Lower Upper
84 100
49 105.1 106.6 160.0#
51 36.3 31.9 47.9
86 64.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 4.386 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

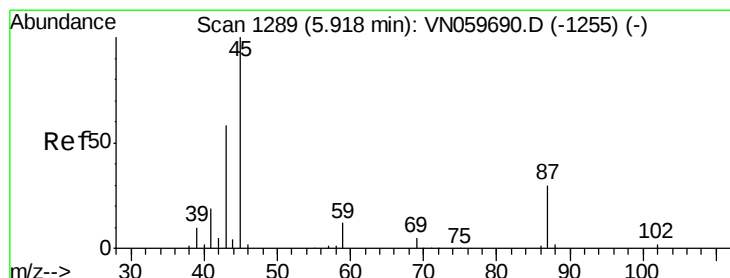
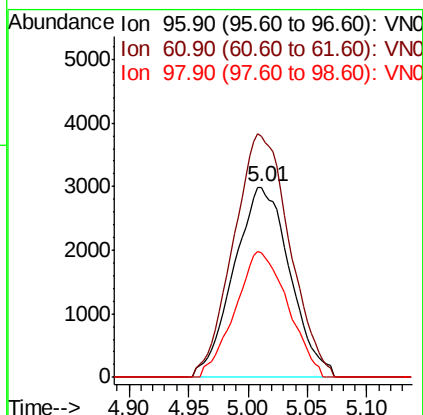
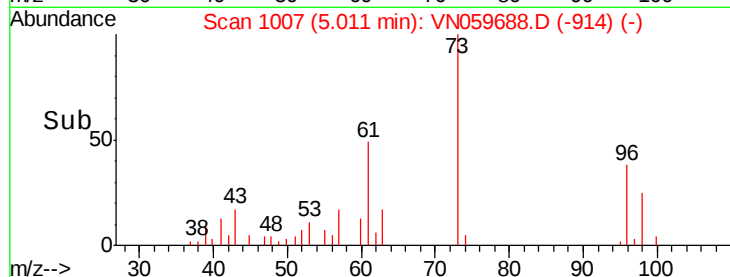
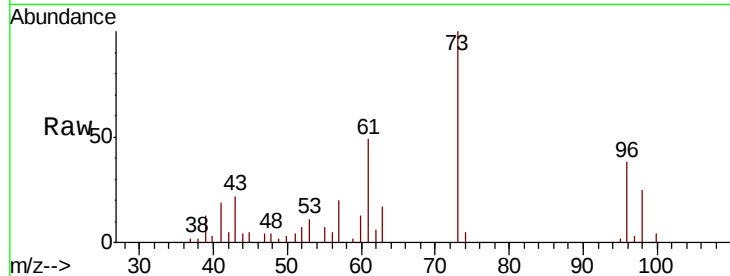
Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 96 Resp: 9755

Ion	Ratio	Lower	Upper
96	100		
61	127.1	120.4	180.6
98	65.7	50.6	75.8



#22

Diisopropyl ether

Concen: 3.552 ug/l

RT: 5.91 min Scan# 1288

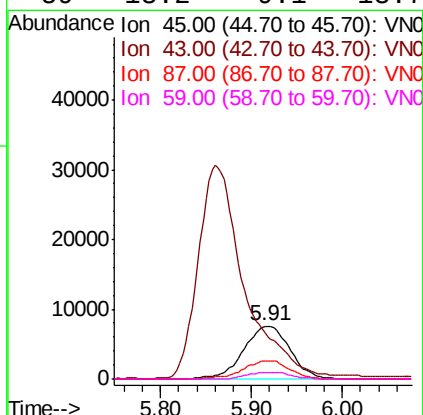
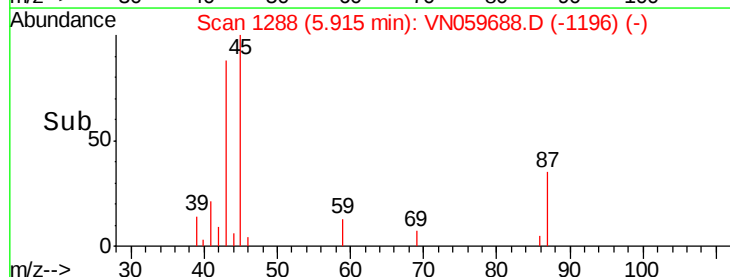
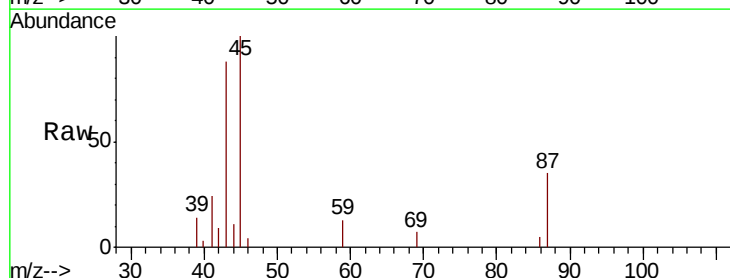
Delta R.T. -0.00 min

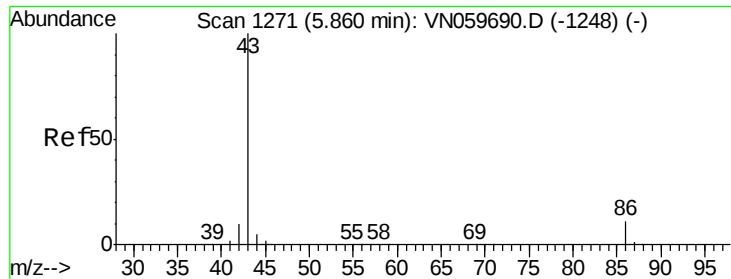
Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Tgt Ion: 45 Resp: 26819

Ion	Ratio	Lower	Upper
45	100		
43	80.6	50.8	76.2#
87	34.6	21.0	31.6#
59	13.2	9.1	13.7





#23

Vinyl Acetate

Concen: 18.388 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

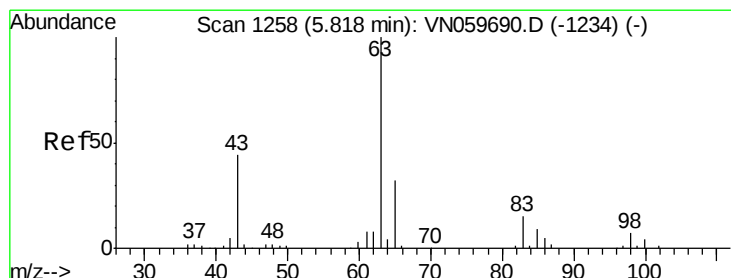
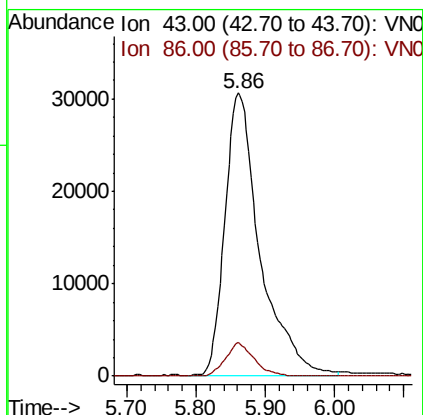
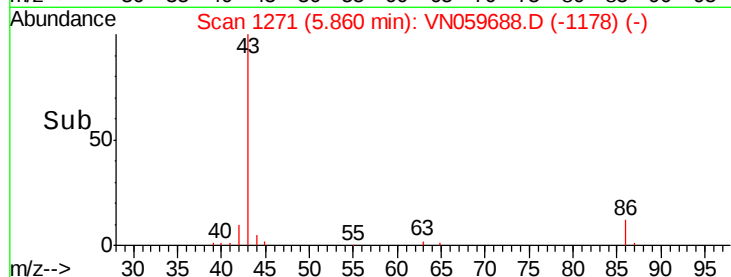
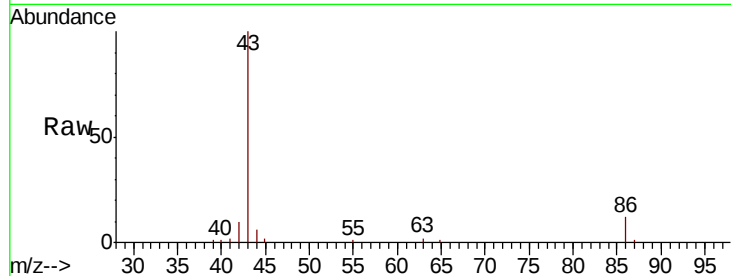
VSTDIC005

Tot Ion: 43 Resp: 108945

Ion Ratio Lower Upper

43 100

86 11.8 7.6 11.4#



#24

1,1-Dichloroethane

Concen: 3.944 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

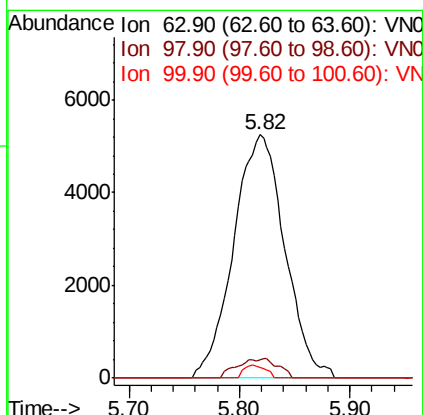
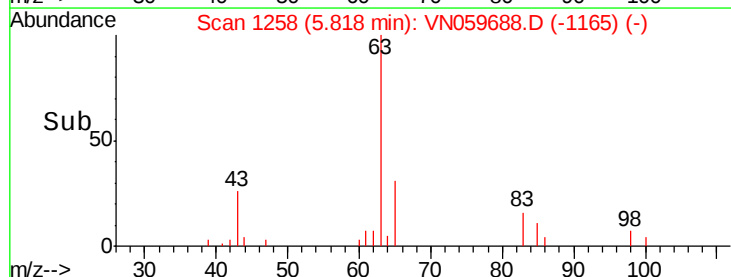
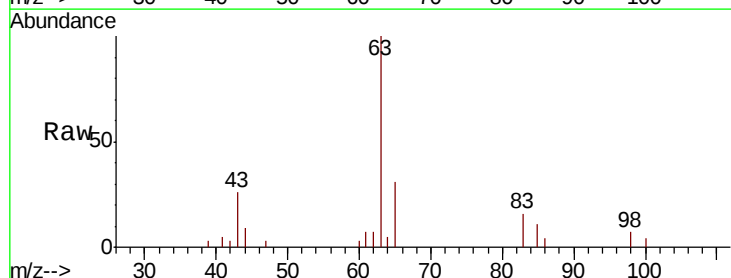
Tgt Ion: 63 Resp: 16868

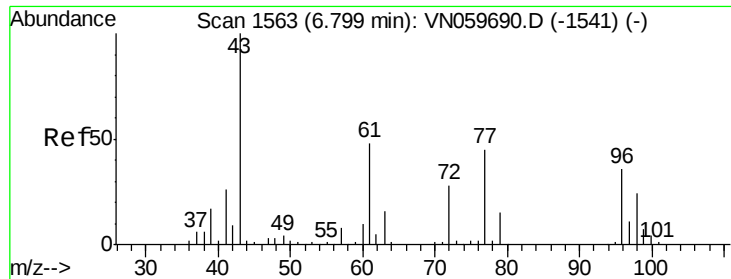
Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.7

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 15.645 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

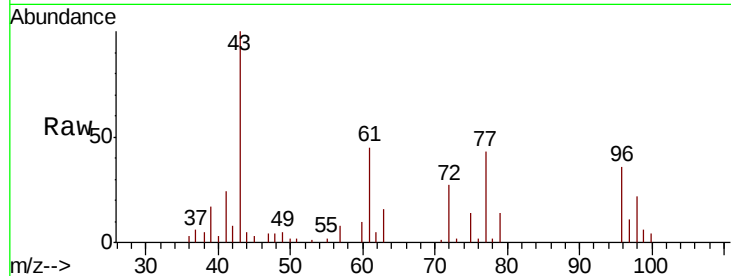
VSTDIC005

Tot Ion: 43 Resp: 30740

Ion Ratio Lower Upper

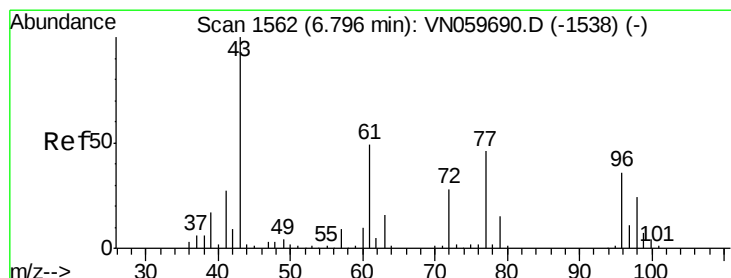
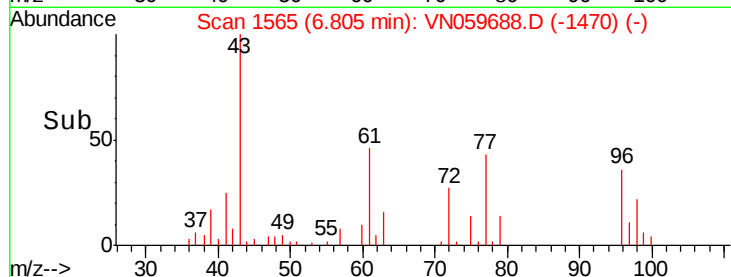
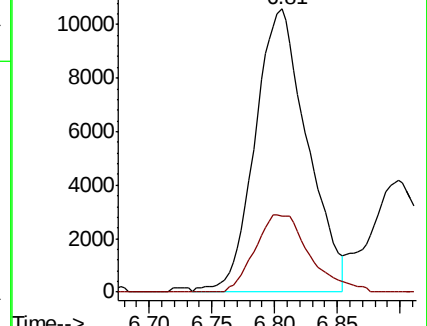
43 100

72 26.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059690.D (-1541) (-)



#26

2,2-Dichloropropane

Concen: 4.206 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059688.D

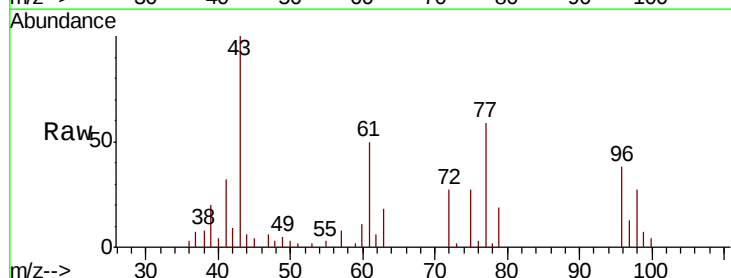
Acq: 13 Jan 2020 14:06

Tgt Ion: 77 Resp: 16349

Ion Ratio Lower Upper

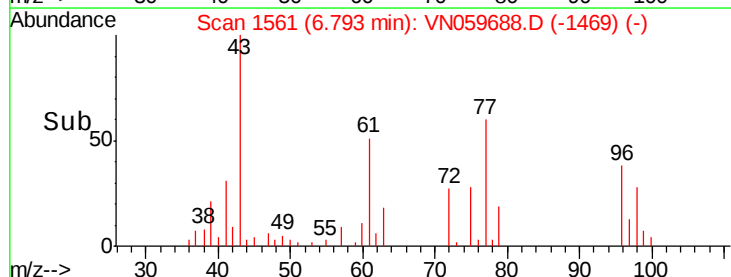
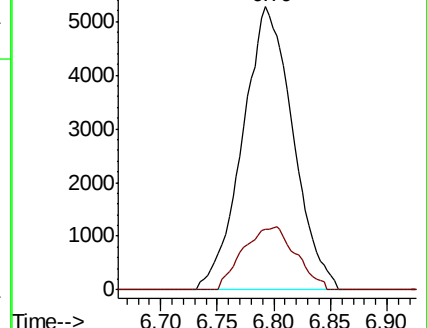
77 100

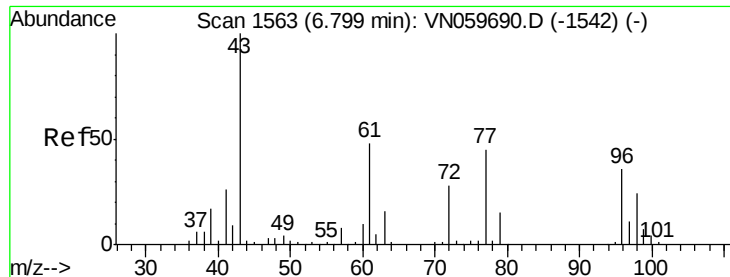
97 23.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059688.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059688.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 4.407 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

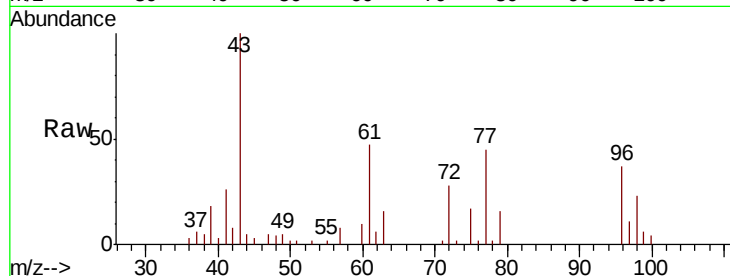
Tot Ion: 96 Resp: 10860

Ion Ratio Lower Upper

96 100

61 139.8 0.0 317.6

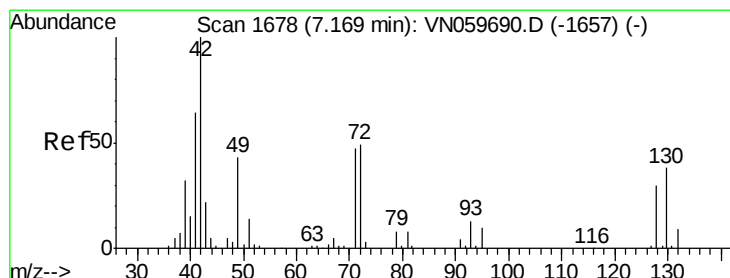
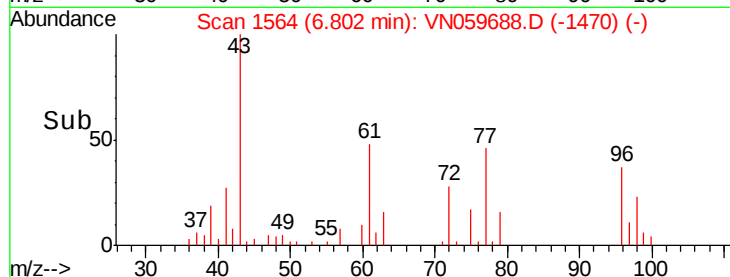
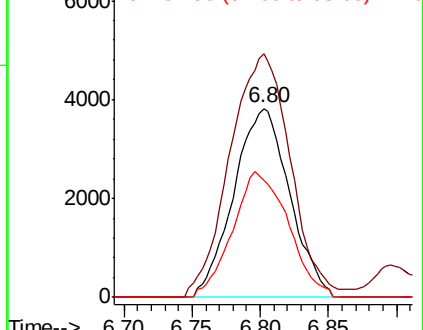
98 66.2 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 4.513 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

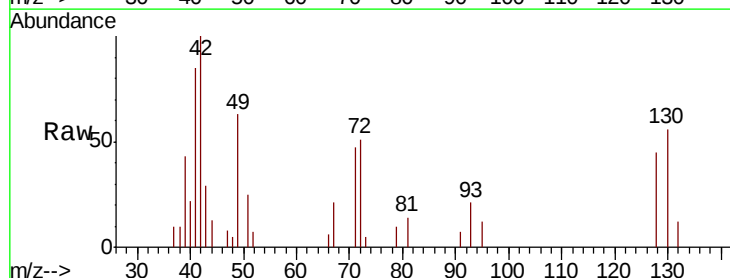
Tgt Ion: 49 Resp: 6619

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

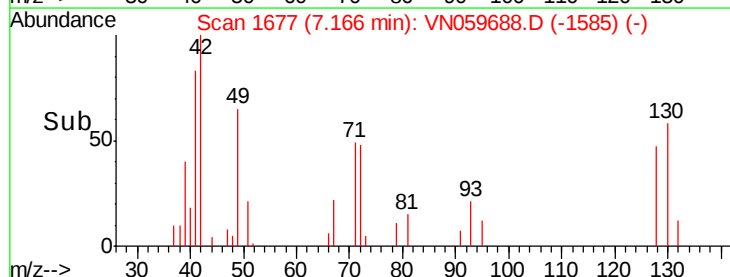
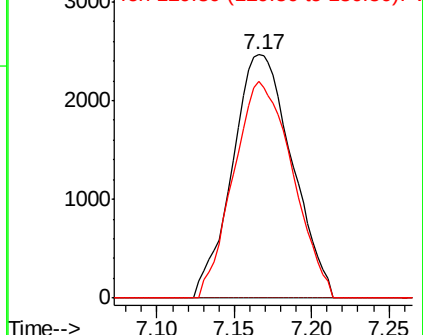
130 87.9 54.7 82.1#

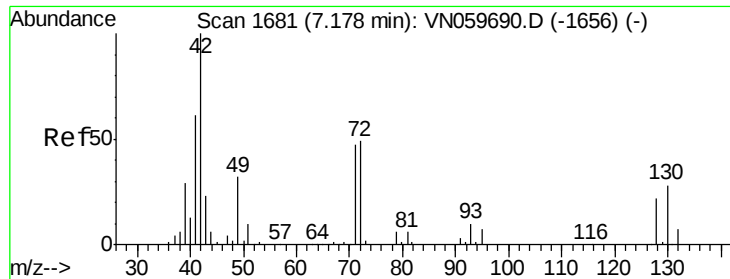


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

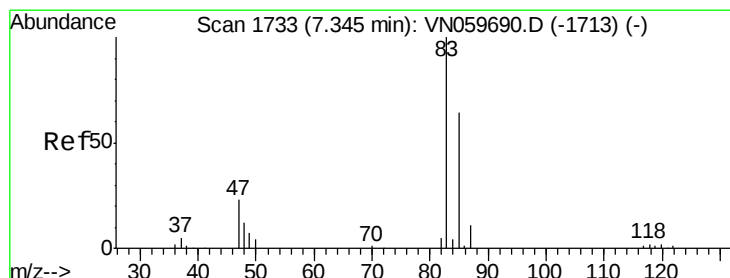
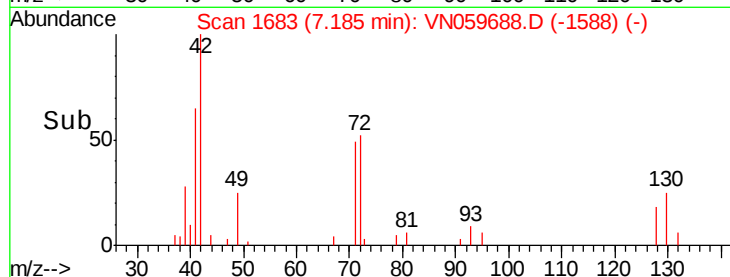
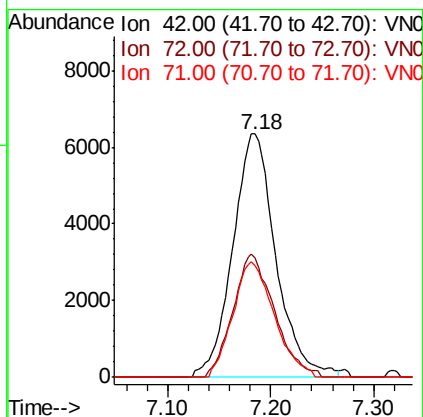
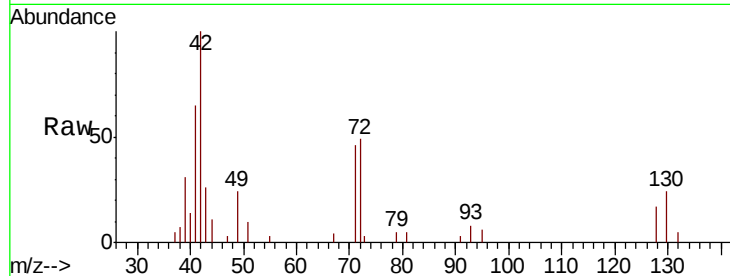




#29
Tetrahydrofuran
Concen: 15.440 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

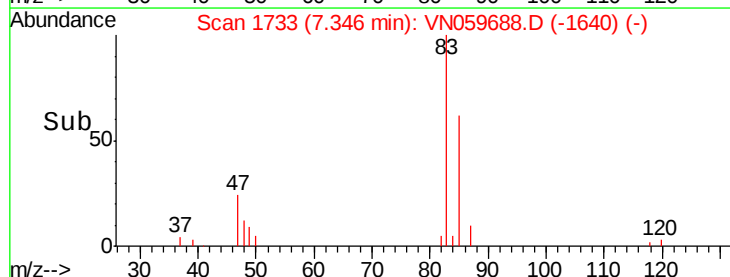
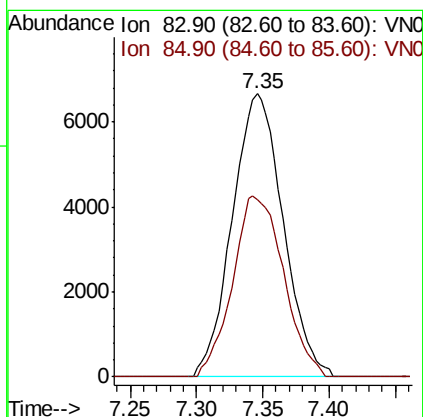
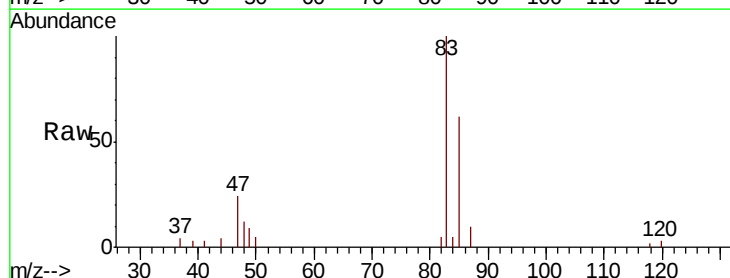
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

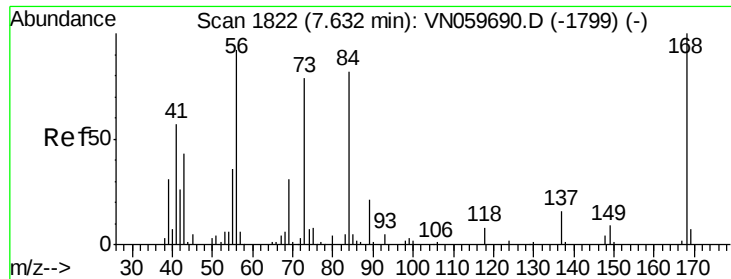
Tot Ion: 42 Resp: 18484
Ion Ratio Lower Upper
42 100
72 48.6 33.1 49.7
71 45.5 31.4 47.0



#30
Chloroform
Concen: 4.223 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion: 83 Resp: 17777
Ion Ratio Lower Upper
83 100
85 62.4 52.4 78.6

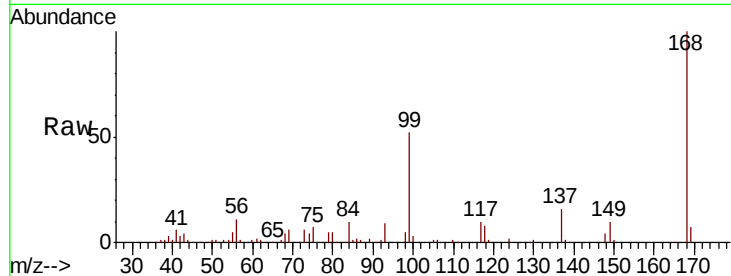




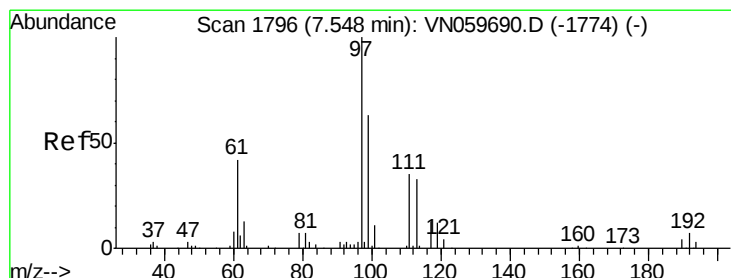
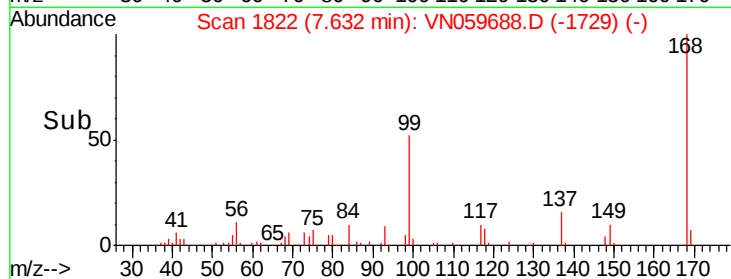
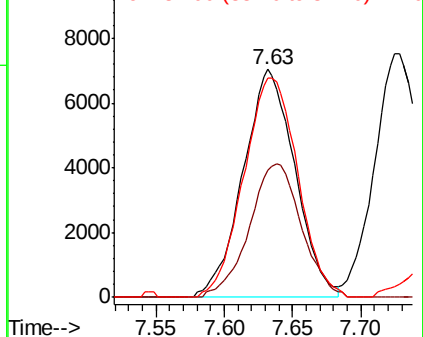
#31
Cyclohexane
Concen: 4.605 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 18610
Ion Ratio Lower Upper
56 100
69 55.7 26.5 39.7#
84 96.1 65.3 97.9

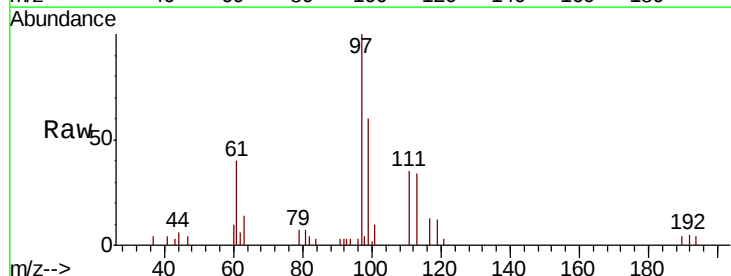


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

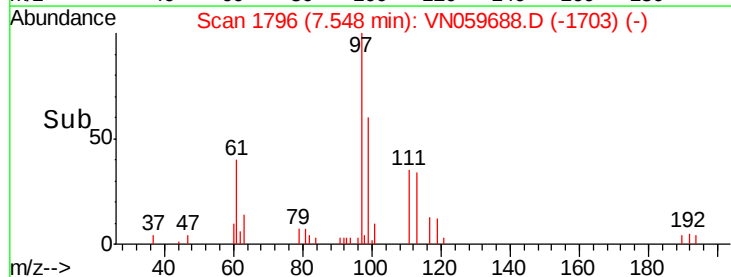
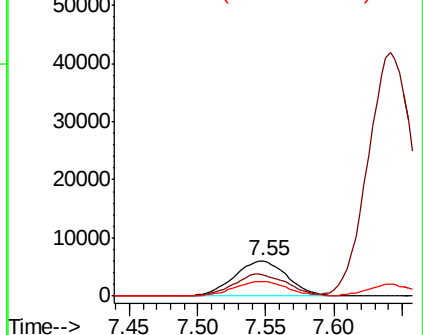


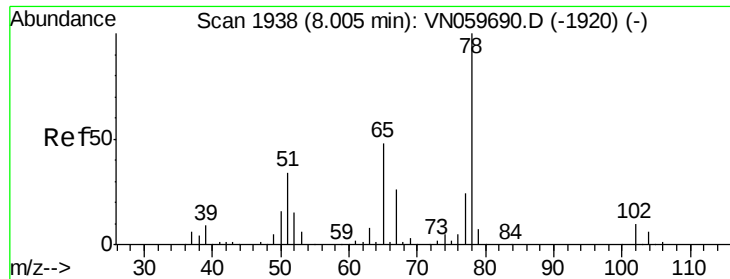
#32
1,1,1-Trichloroethane
Concen: 4.322 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion: 97 Resp: 16404
Ion Ratio Lower Upper
97 100
99 62.0 51.0 76.4
61 41.4 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 3.966 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

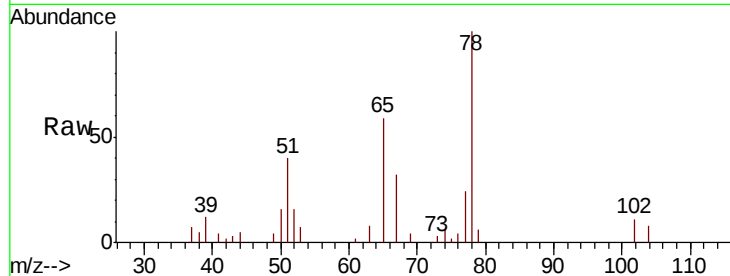
VSTDIC005

Tot Ion: 65 Resp: 10975

Ion Ratio Lower Upper

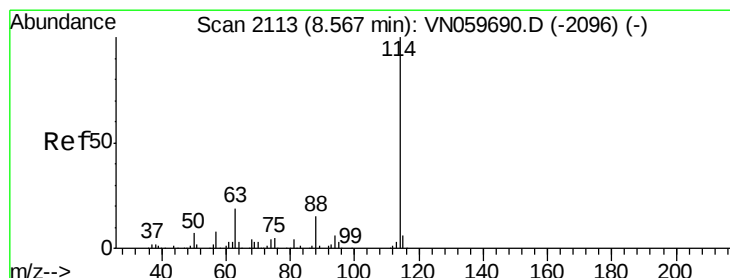
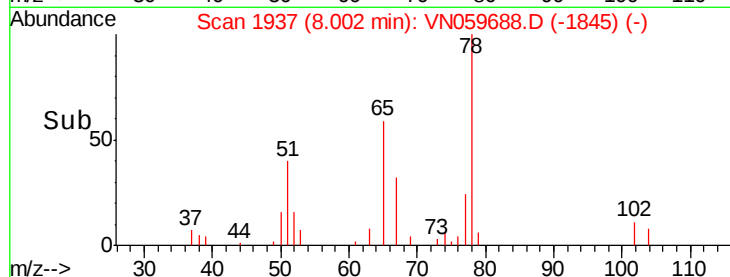
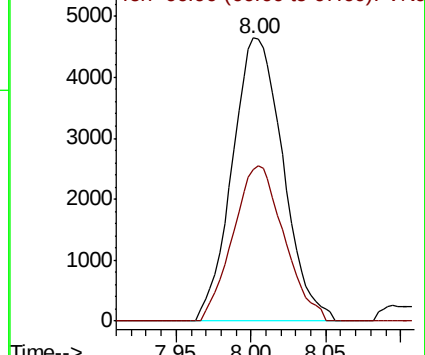
65 100

67 55.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059690.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059690.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

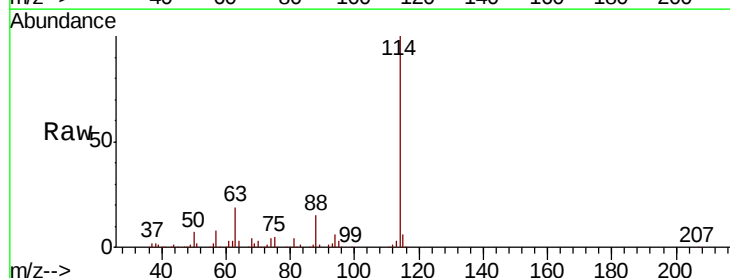
Tgt Ion: 114 Resp: 294286

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.6

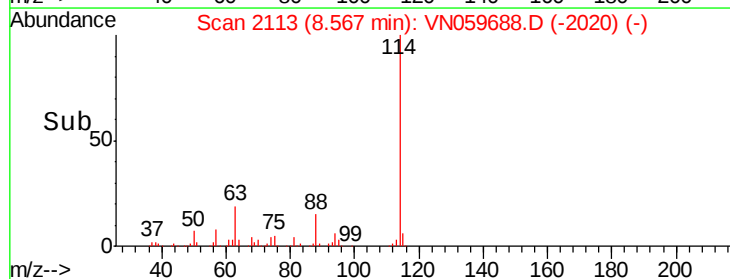
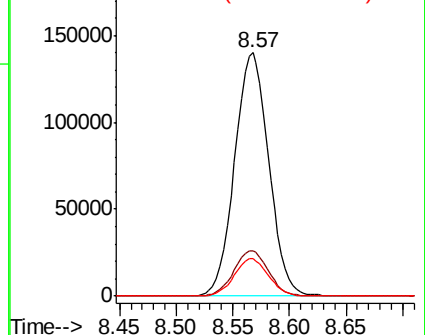
88 15.2 0.0 31.4

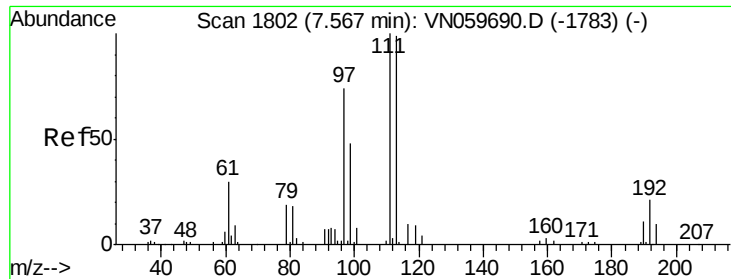


Abundance Ion 113.90 (113.60 to 114.60): VN059690.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN059690.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN059690.D (-2096) (-)

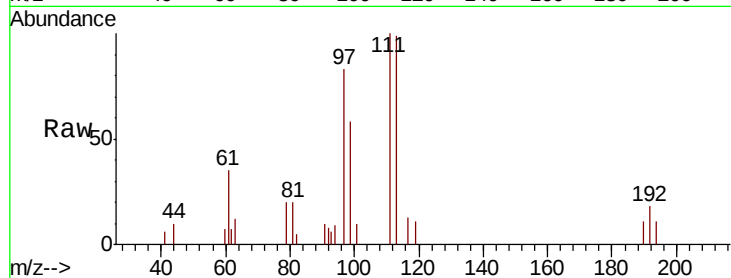




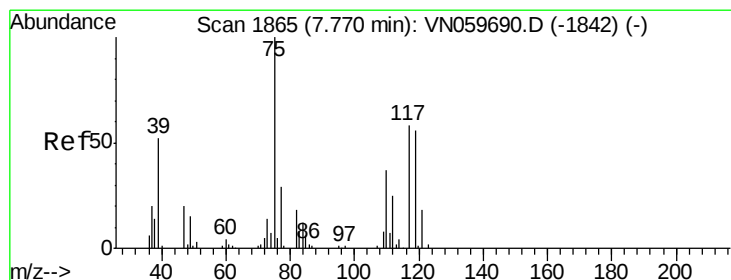
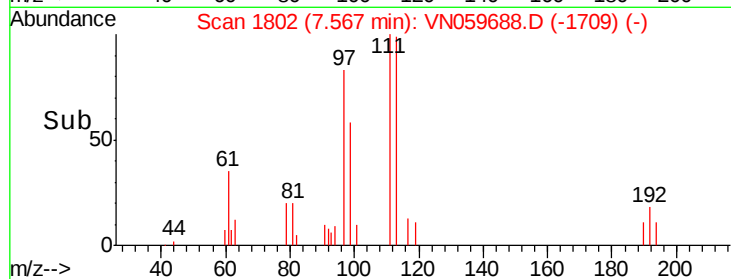
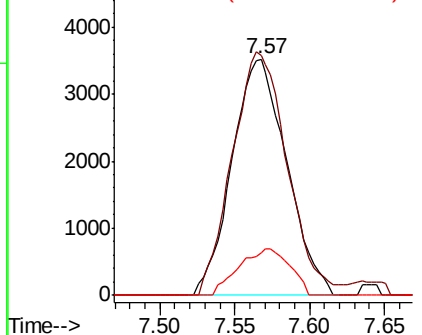
#35
 Dibromofluoromethane
 Concen: 4.870 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 8967
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.5 125.3
 192 18.5 15.4 23.2

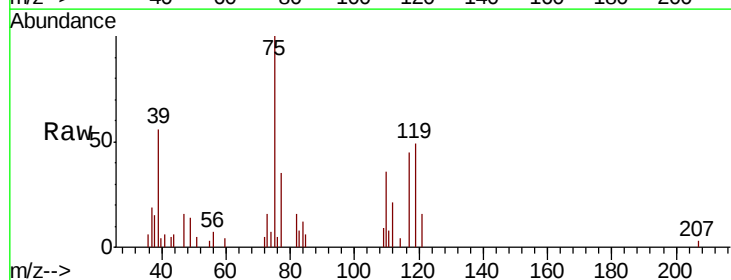


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

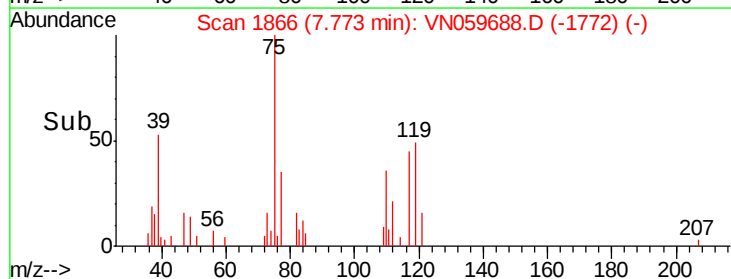
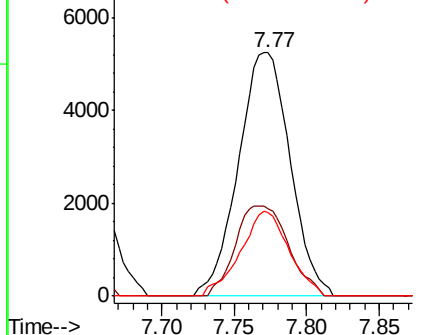


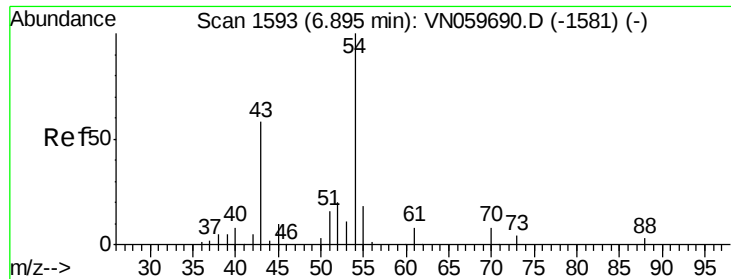
#36
 1,1-Dichloropropene
 Concen: 4.246 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion: 75 Resp: 13030
 Ion Ratio Lower Upper
 75 100
 110 37.9 16.6 49.7
 77 32.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN

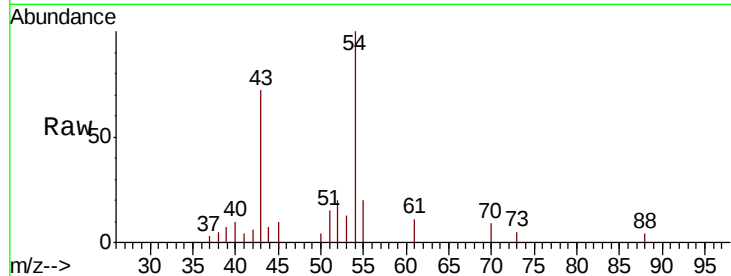




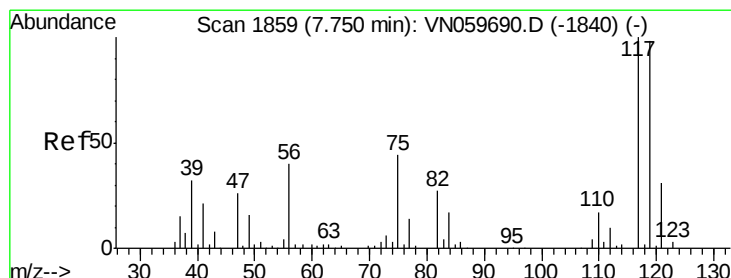
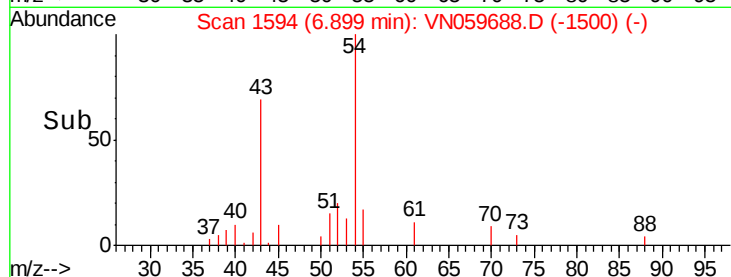
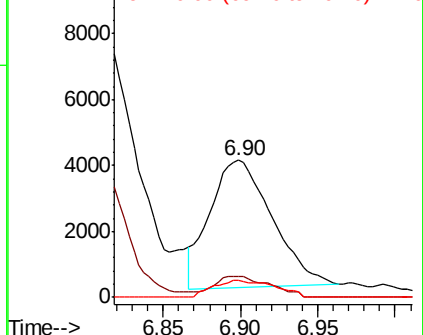
#37
Ethyl Acetate
Concen: 3.033 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 10820
Ion Ratio Lower Upper
43 100
61 15.1 10.9 16.3
70 13.1 7.7 11.5#

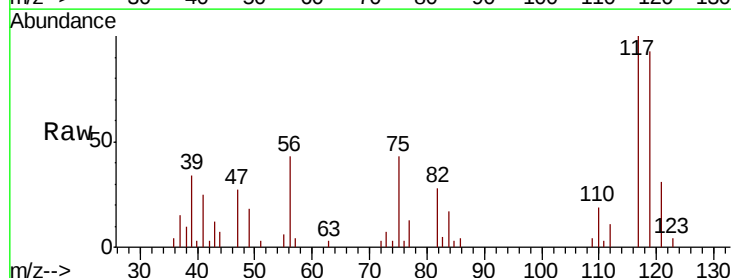


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

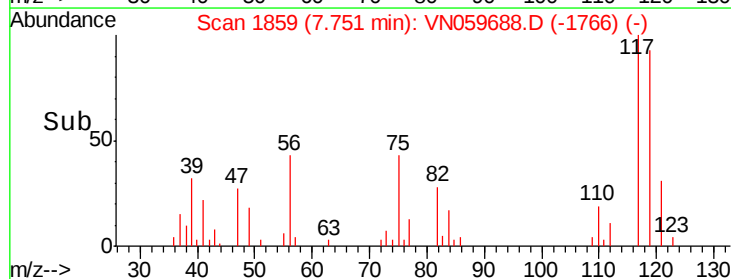
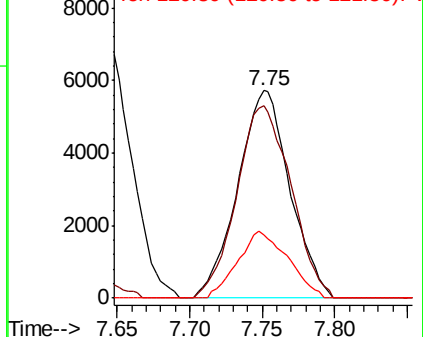


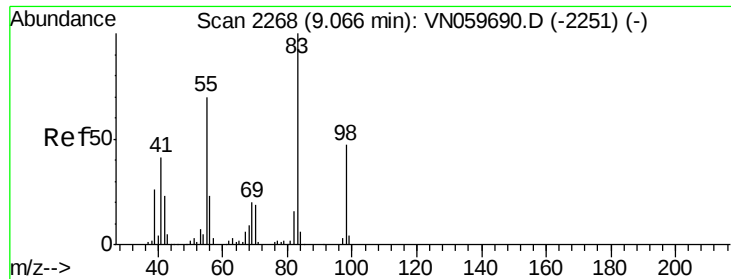
#38
Carbon Tetrachloride
Concen: 4.493 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion: 117 Resp: 14307
Ion Ratio Lower Upper
117 100
119 92.7 76.5 114.7
121 30.6 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

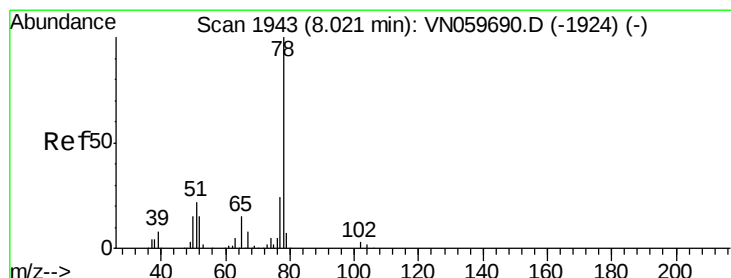
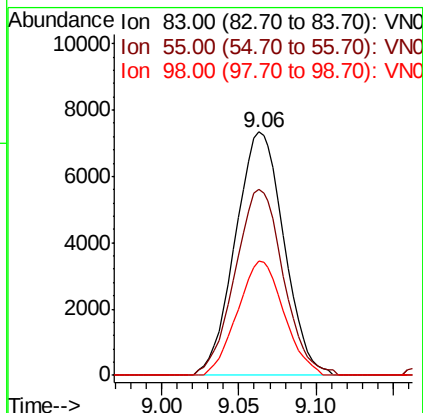
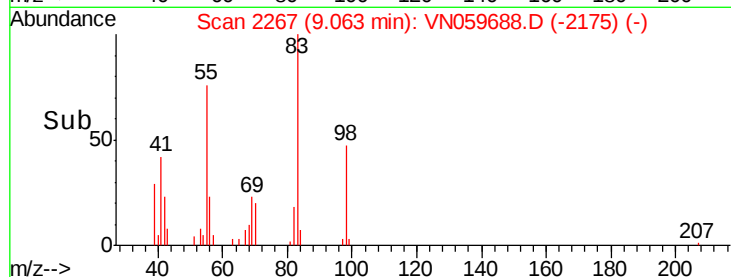
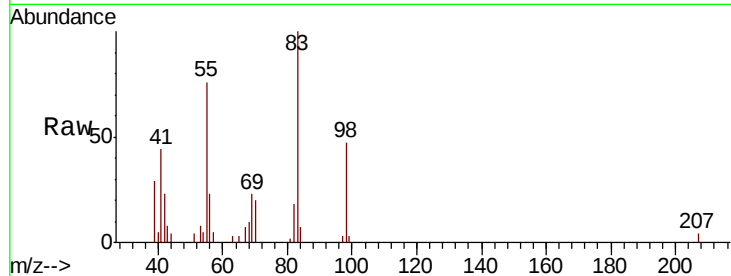




#39
Methvlcvclohexane
Concen: 4.603 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

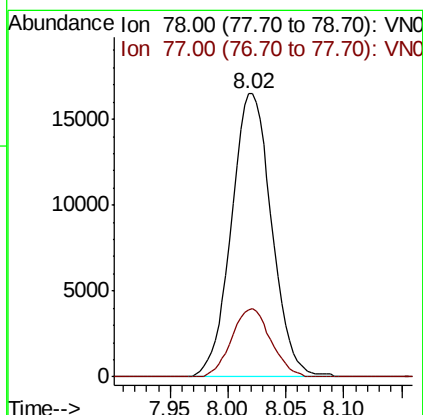
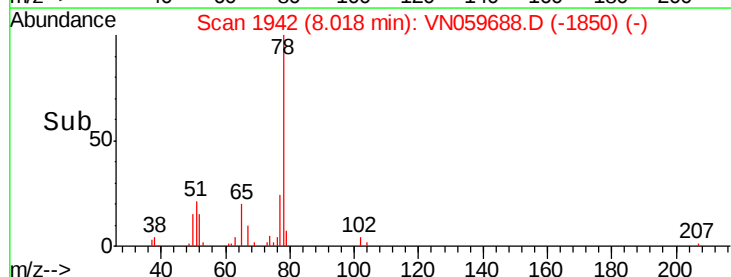
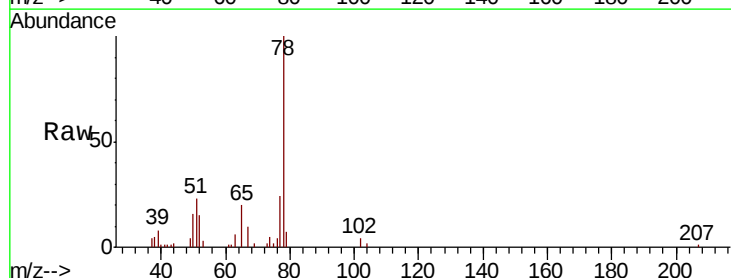
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

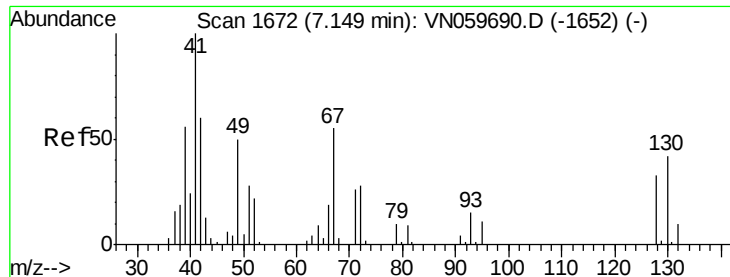
Tot Ion: 83 Resp: 16022
Ion Ratio Lower Upper
83 100
55 76.4 64.2 96.2
98 46.7 35.9 53.9



#40
Benzene
Concen: 4.430 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion: 78 Resp: 39731
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

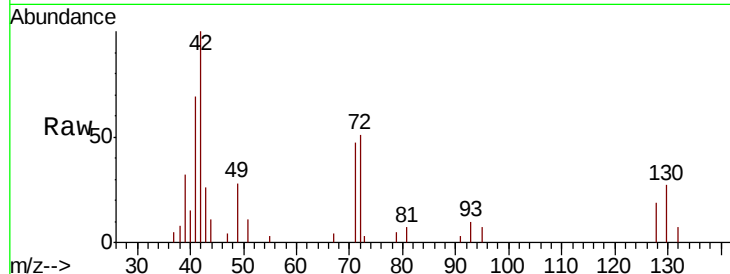




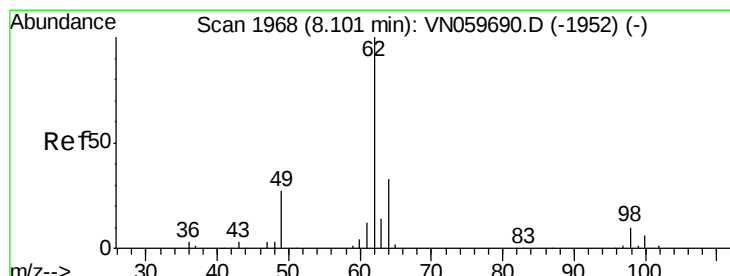
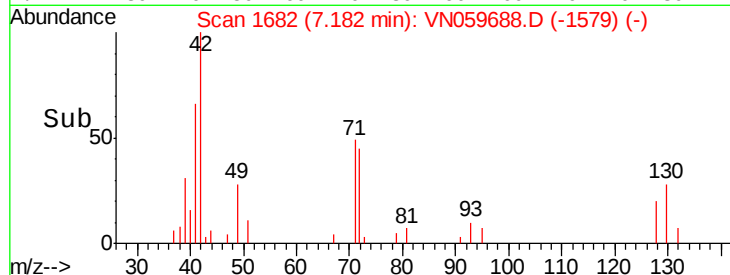
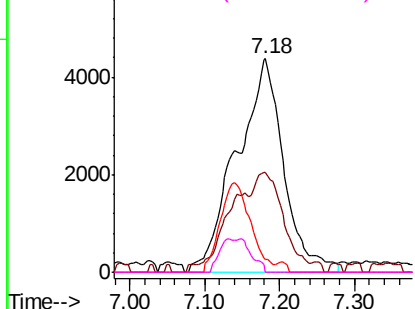
#41
Methacrylonitrile
Concen: 13.002 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	19140
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

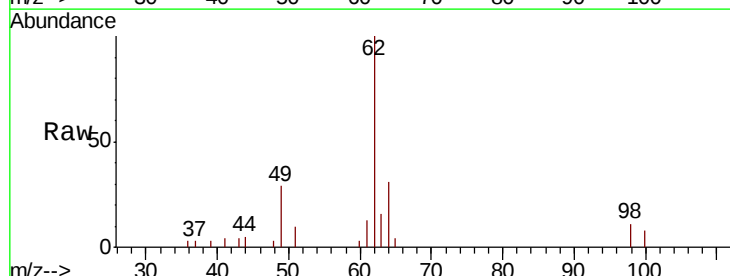


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

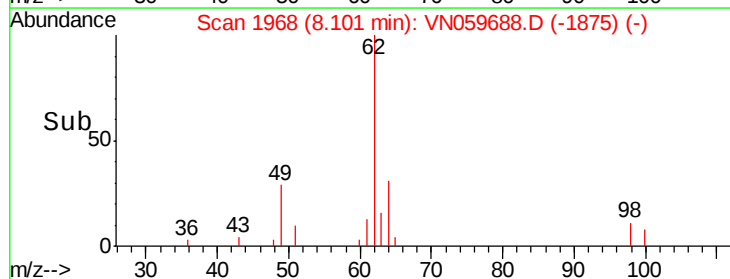
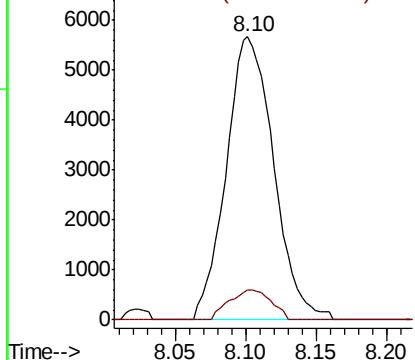


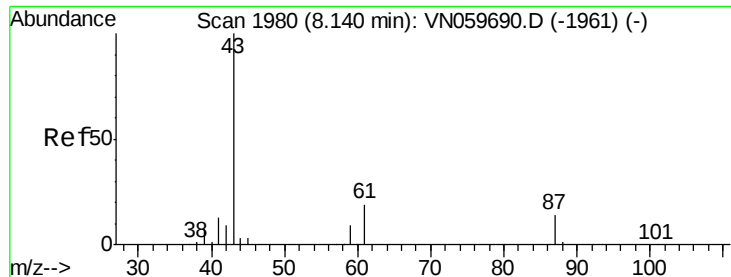
#42
1,2-Dichloroethane
Concen: 3.884 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion:	62	Resp:	13340
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 3.642 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

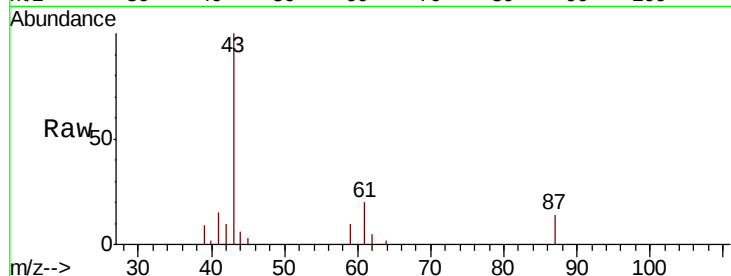
Tot Ion: 43 Resp: 20195

Ion Ratio Lower Upper

43 100

61 27.8 20.2 30.2

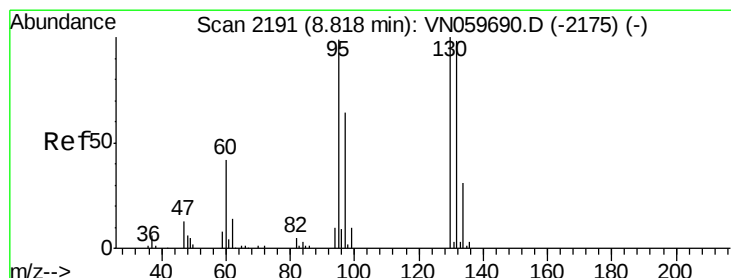
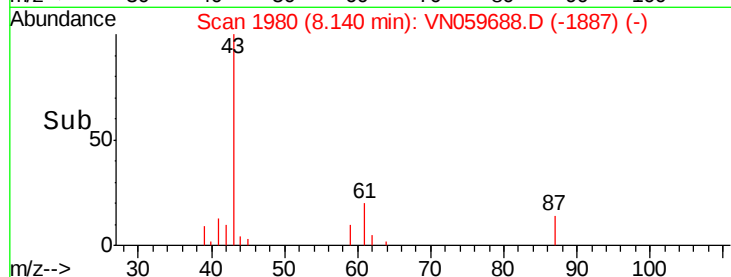
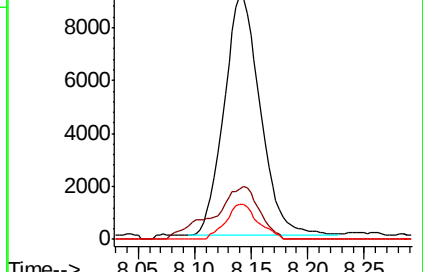
87 13.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059690.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059690.D (-1961) (-)



#44

Trichloroethene

Concen: 4.530 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059688.D

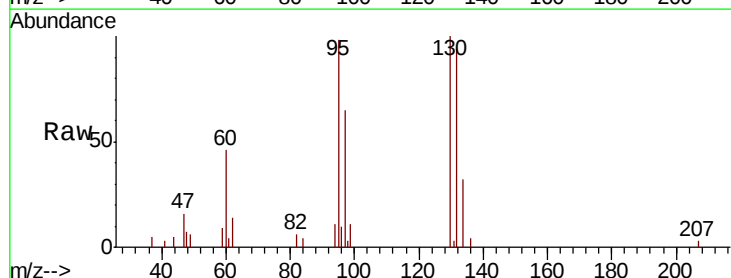
Acq: 13 Jan 2020 14:06

Tgt Ion: 130 Resp: 10642

Ion Ratio Lower Upper

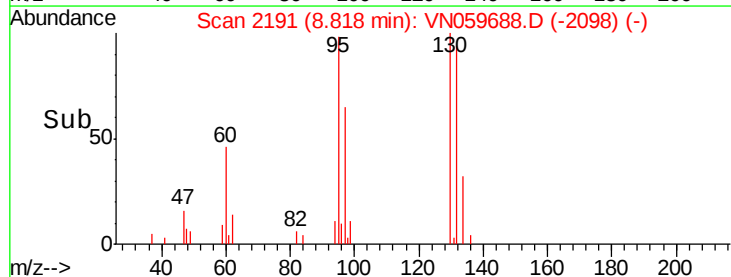
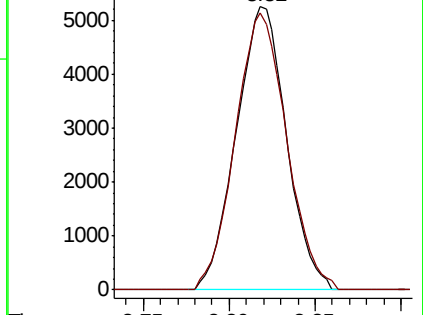
130 100

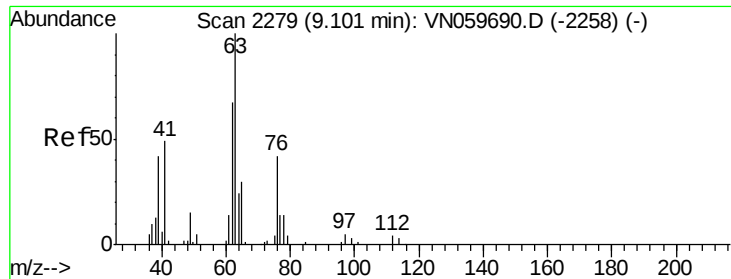
95 97.7 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059690.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059690.D (-2175) (-)

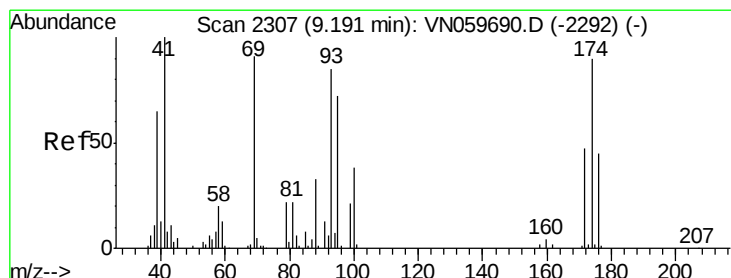
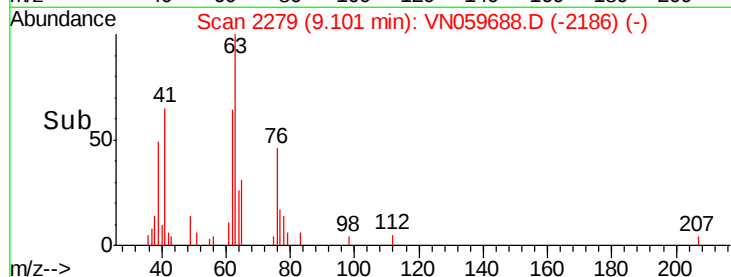
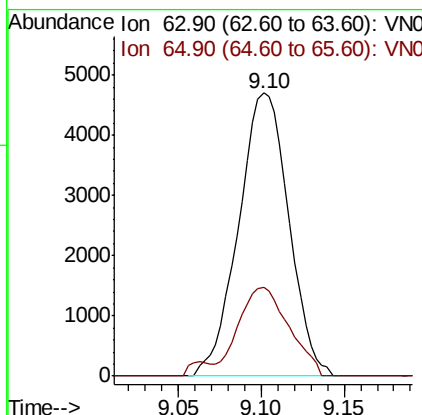
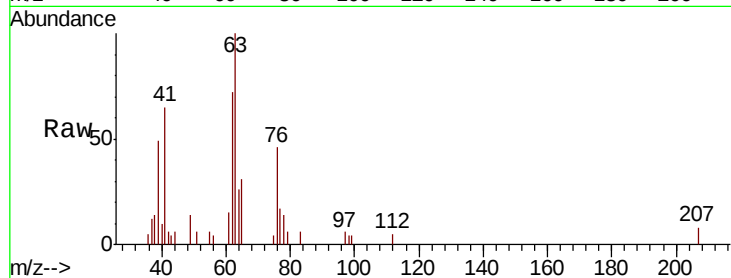




#45
 1,2-Dichloropropane
 Concen: 4.095 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

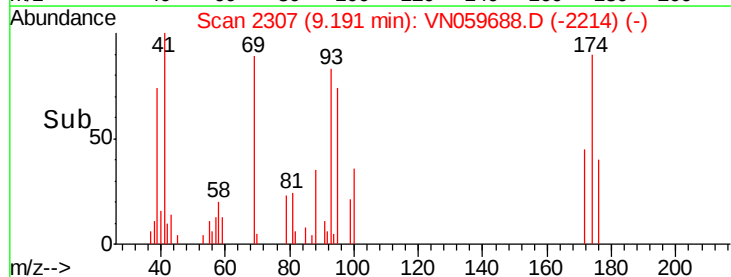
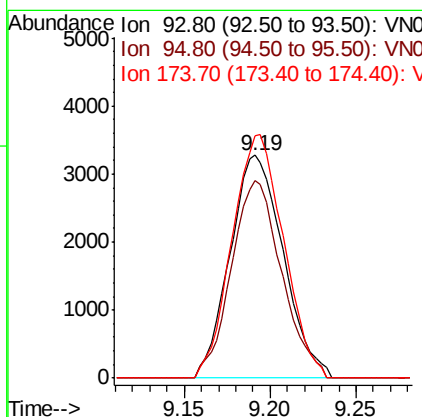
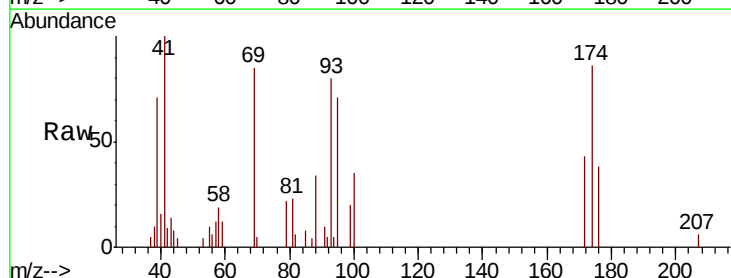
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

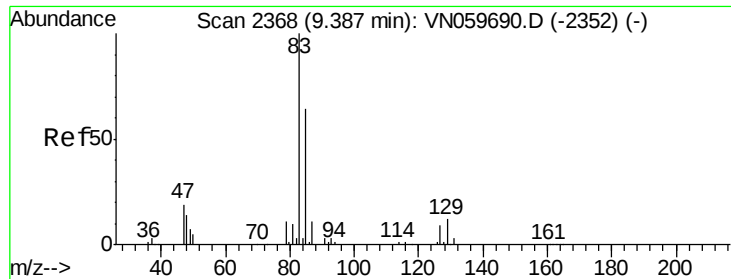
Tot Ion: 63 Resp: 9917
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.9 37.3



#46
 Dibromomethane
 Concen: 4.436 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion: 93 Resp: 7039
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.6
 174 105.6 73.4 110.2





#47

Bromodichloromethane

Concen: 4.234 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

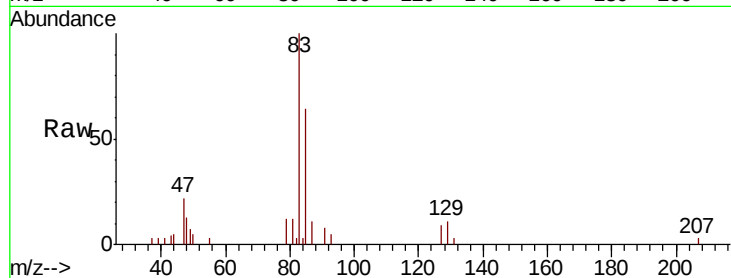
Tot Ion: 83 Resp: 13394

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

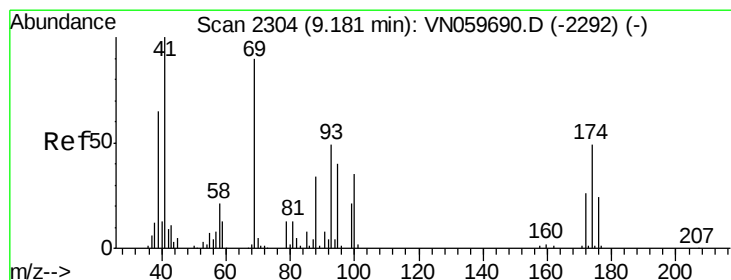
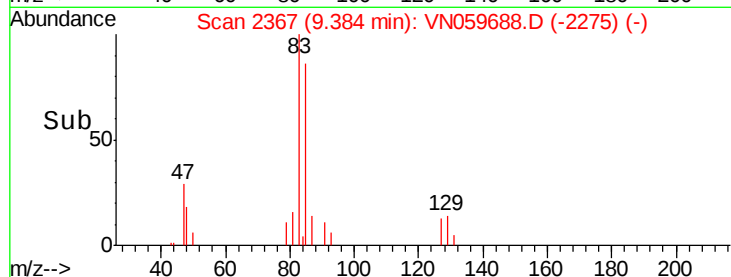
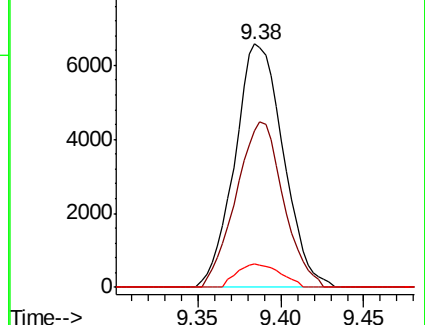
127 9.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059690.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN059690.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN059690.D (-2352) (-)



#48

Methyl methacrylate

Concen: 3.539 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

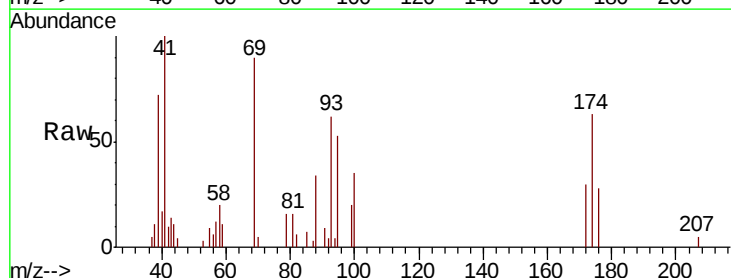
Tgt Ion: 41 Resp: 8904

Ion Ratio Lower Upper

41 100

69 94.0 64.4 96.6

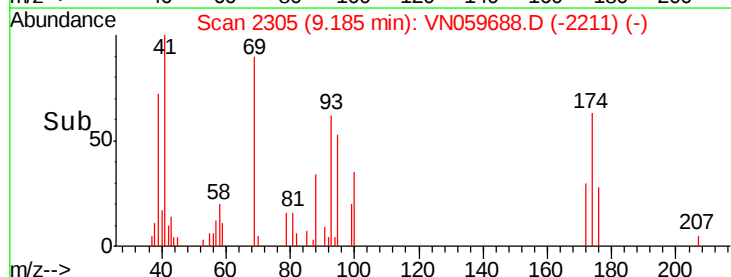
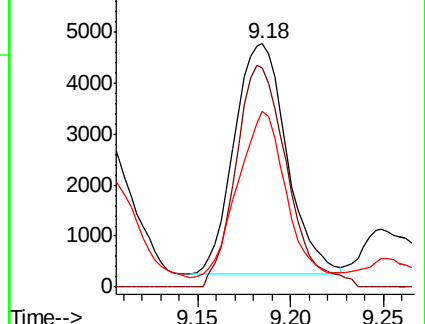
39 65.5 51.3 76.9

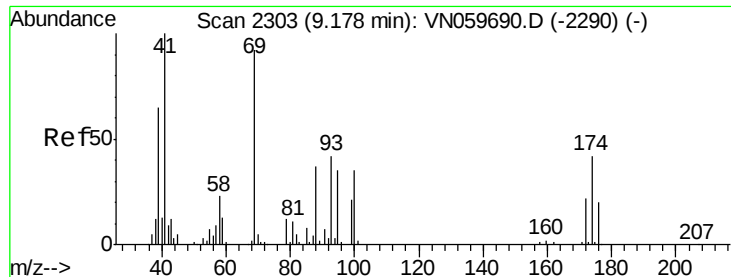


Abundance Ion 41.00 (40.70 to 41.70): VN059690.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059690.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059690.D (-2292) (-)

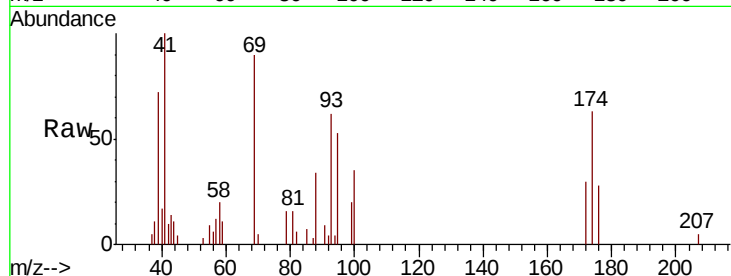




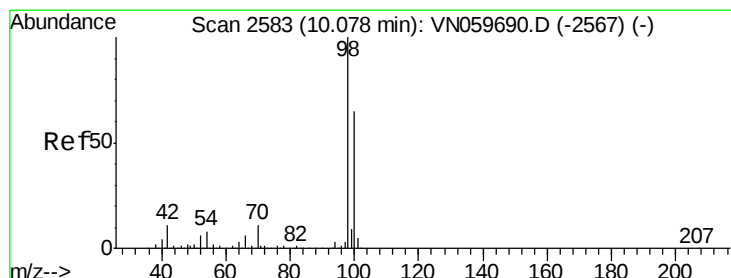
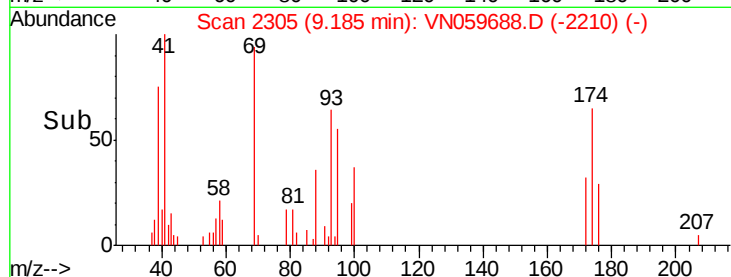
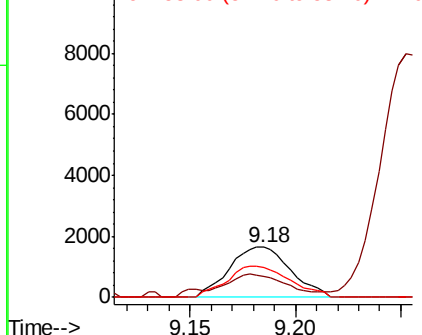
#49
 1,4-Dioxane
 Concen: 91.828 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. 0.01 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 3311
 Ion Ratio Lower Upper
 88 100
 43 29.1 29.7 44.5#
 58 63.7 56.6 85.0

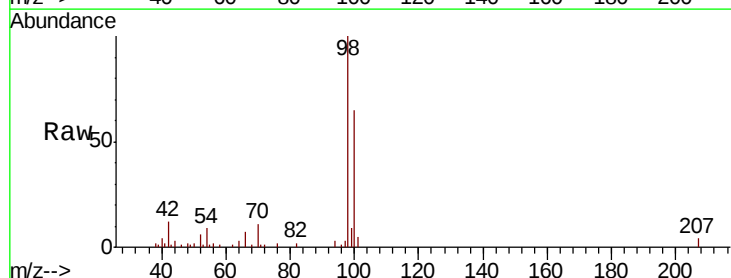


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

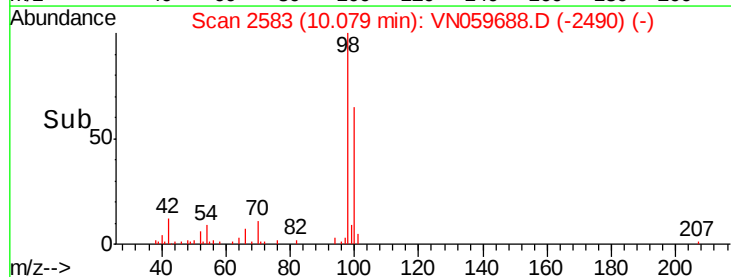
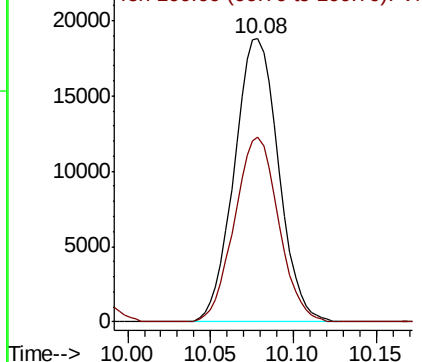


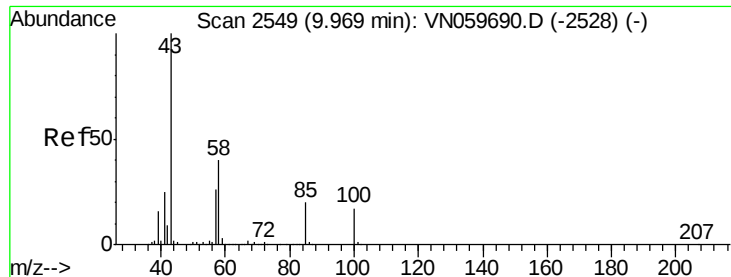
#50
 Toluene-d8
 Concen: 4.785 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion: 98 Resp: 34886
 Ion Ratio Lower Upper
 98 100
 100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

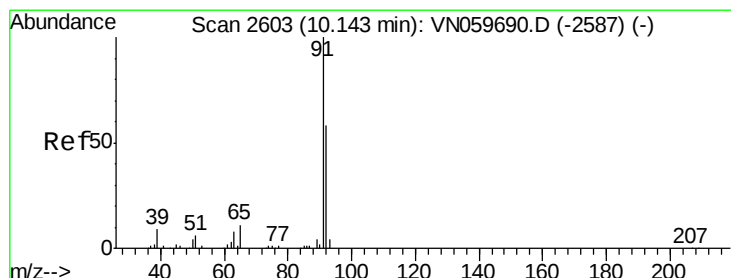
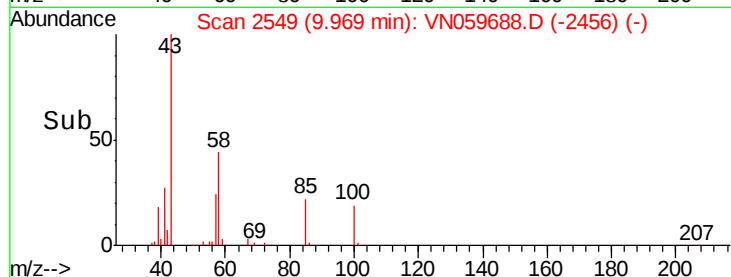
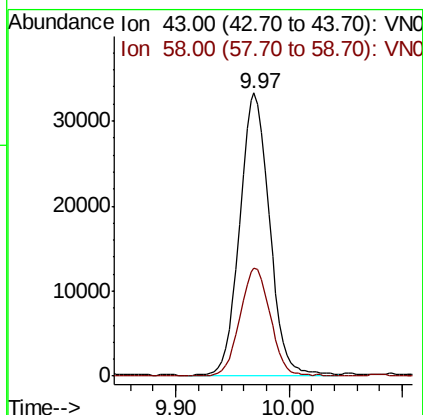
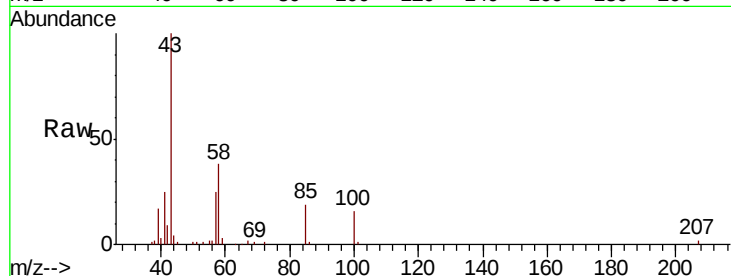




#51
 4-Methyl-2-Pentanone
 Concen: 18.624 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

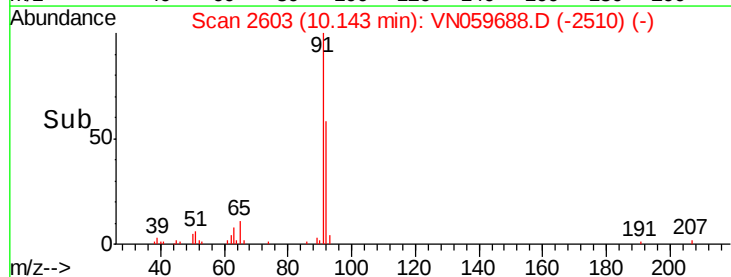
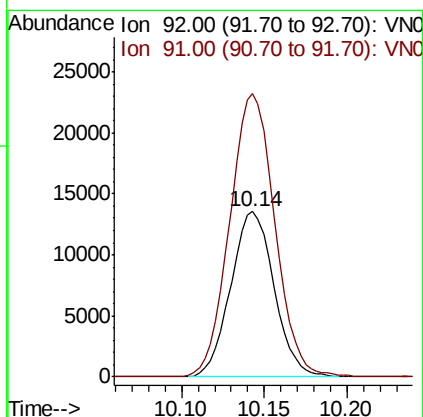
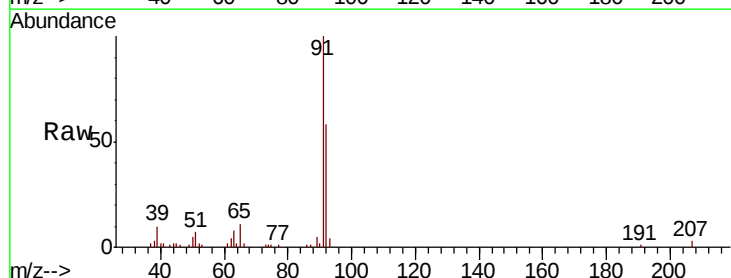
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

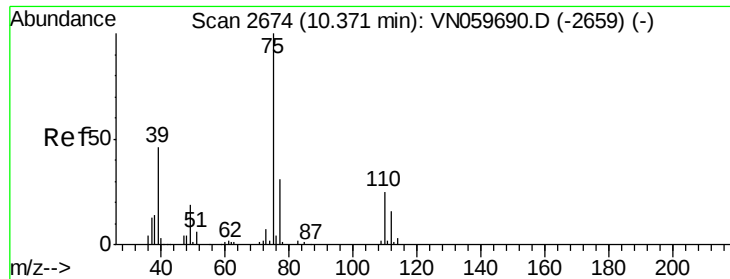
Tot Ion: 43 Resp: 61580
 Ion Ratio Lower Upper
 43 100
 58 38.3 29.8 44.8



#52
 Toluene
 Concen: 4.467 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion: 92 Resp: 24617
 Ion Ratio Lower Upper
 92 100
 91 177.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 4.118 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

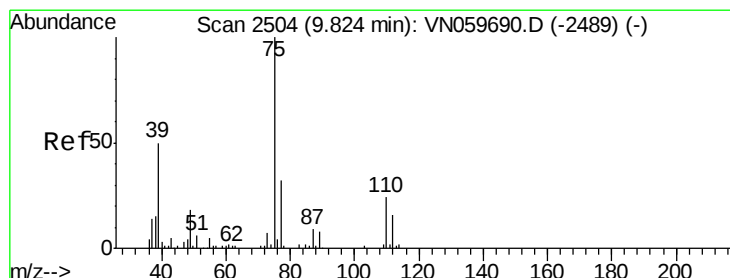
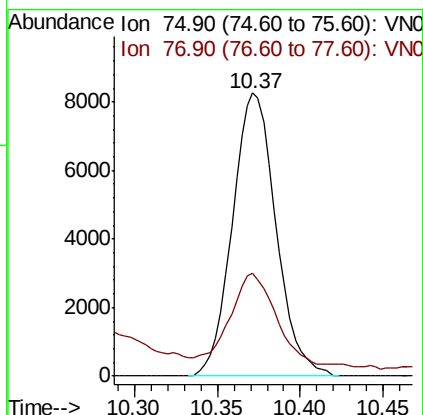
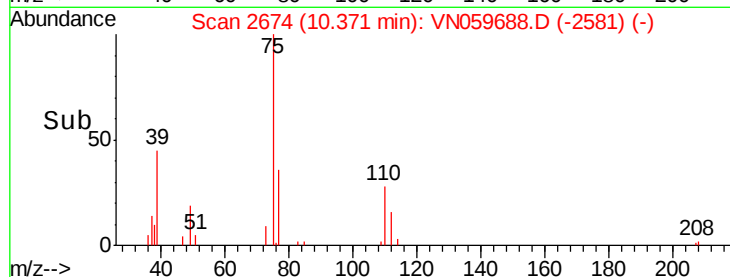
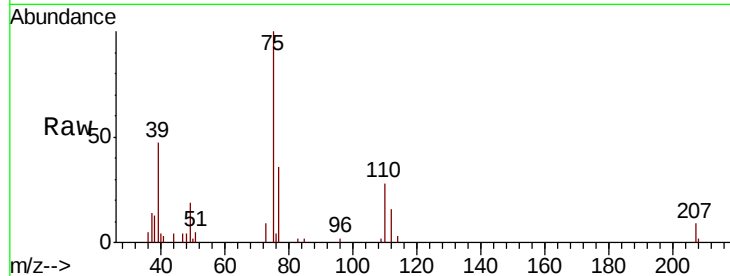
VSTDIC005

Tot Ion: 75 Resp: 15066

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 4.131 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

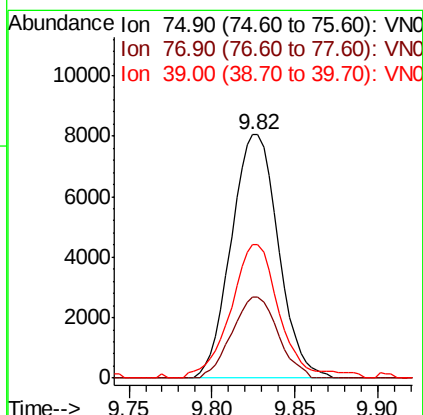
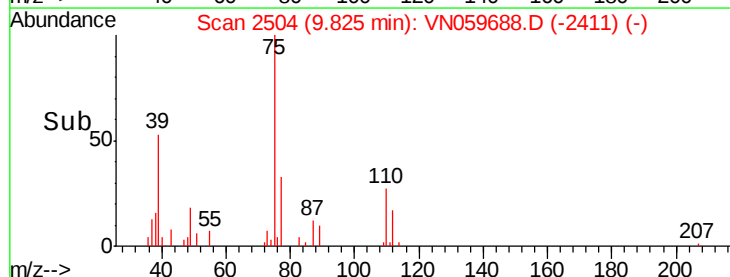
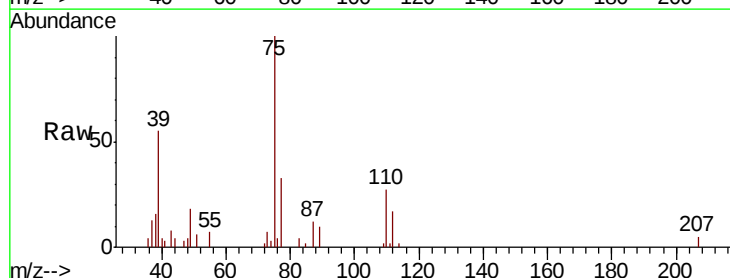
Tgt Ion: 75 Resp: 15887

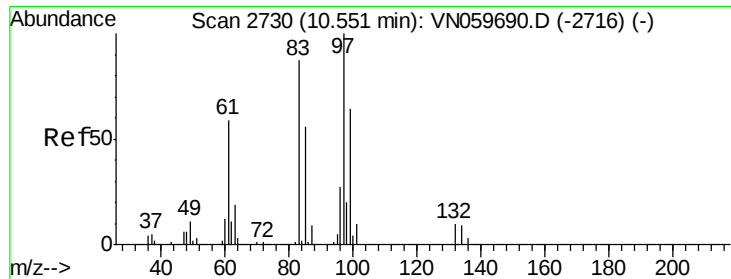
Ion Ratio Lower Upper

75 100

77 33.3 25.1 37.7

39 52.9 46.1 69.1

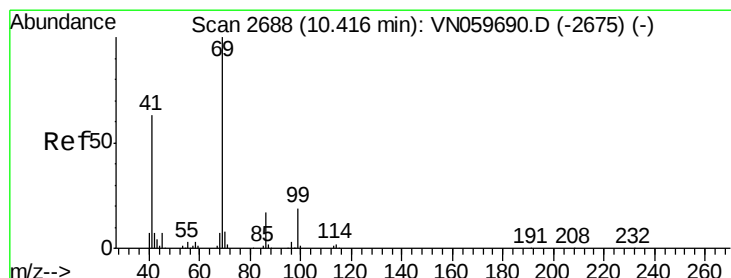
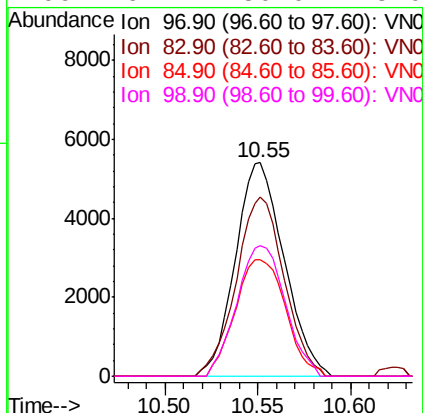
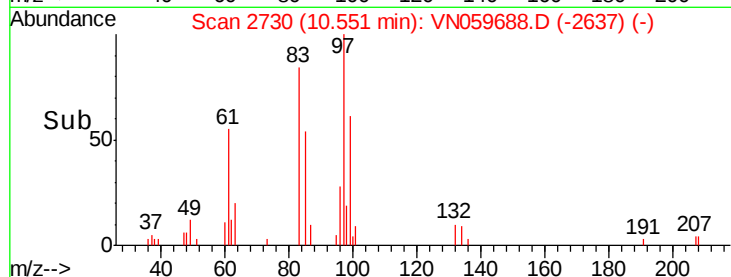
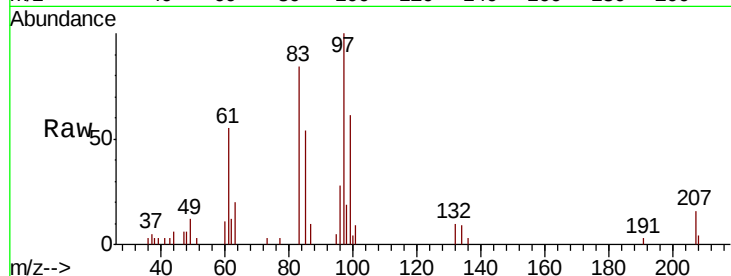




#55
1,1,2-Trichloroethane
Concen: 4.568 ug/l
RT: 10.55 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

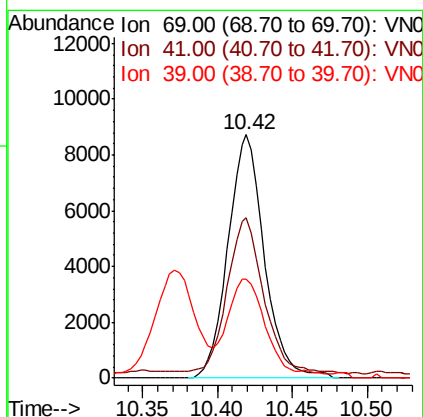
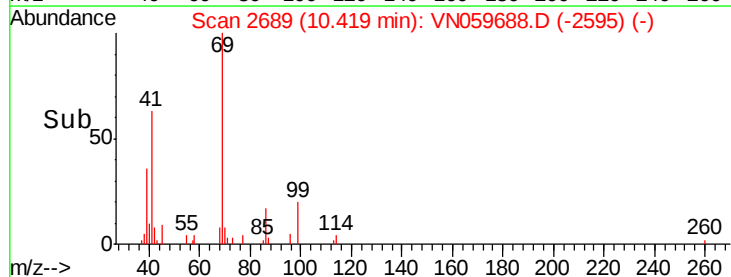
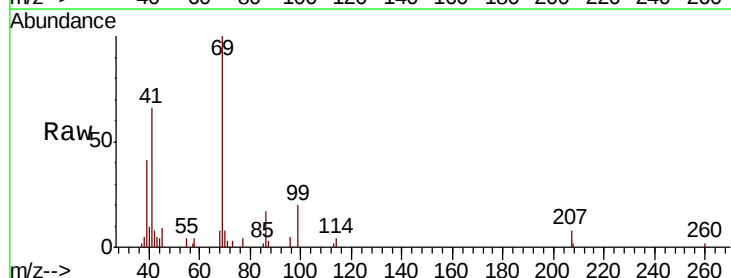
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

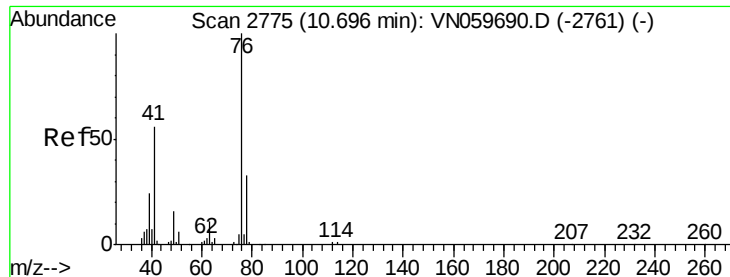
Tot Ion: 97 Resp: 9877
Ion Ratio Lower Upper
97 100
83 83.7 71.3 106.9
85 54.3 45.8 68.8
99 61.2 50.0 75.0



#56
Ethyl methacrylate
Concen: 4.595 ug/l
RT: 10.42 min Scan# 2689
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion: 69 Resp: 14750
Ion Ratio Lower Upper
69 100
41 64.3 57.1 85.7
39 41.1 34.7 52.1





#57

1,3-Dichloropropane

Concen: 4.123 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

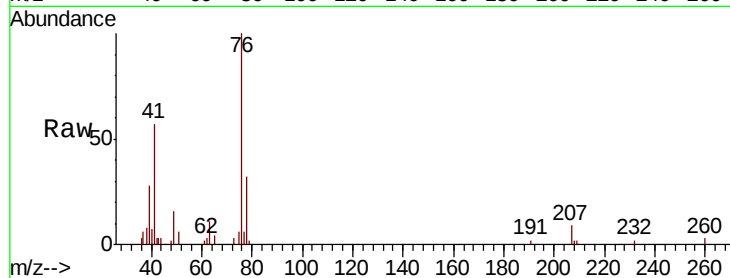
VSTDIC005

Tot Ion: 76 Resp: 15525

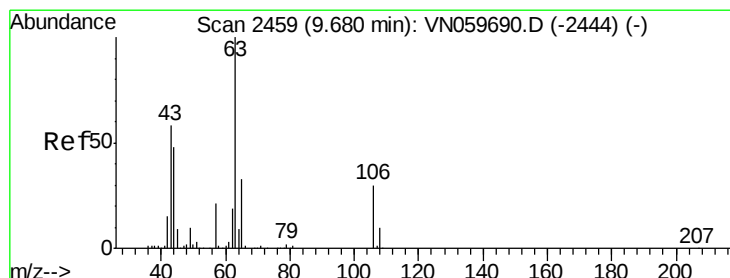
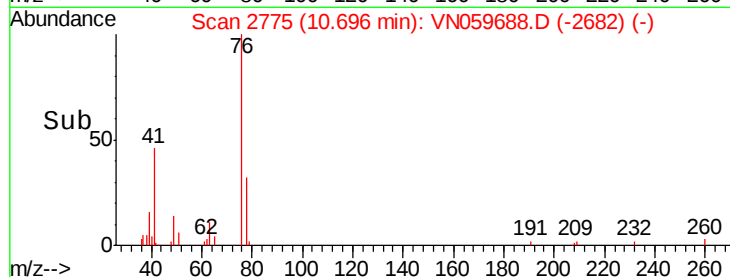
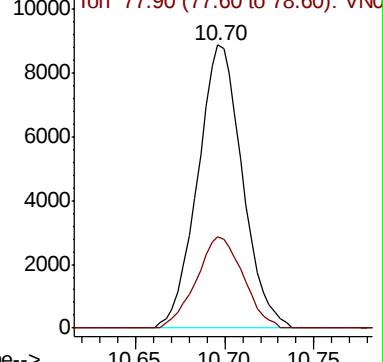
Ion Ratio Lower Upper

76 100

78 33.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059688.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 18.819 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059688.D

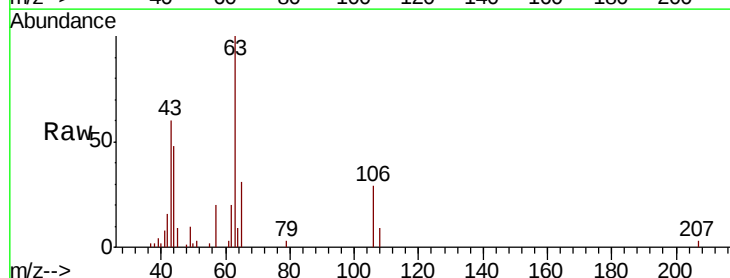
Acq: 13 Jan 2020 14:06

Tgt Ion: 63 Resp: 19214

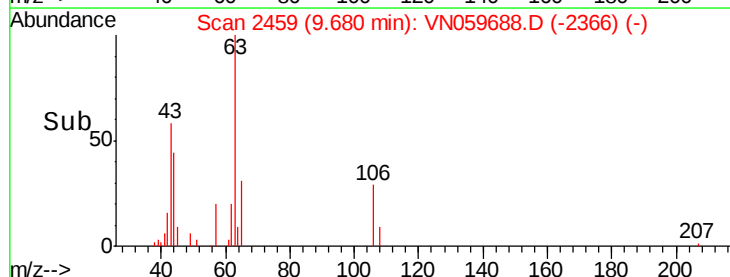
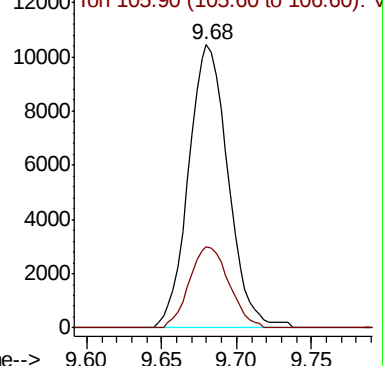
Ion Ratio Lower Upper

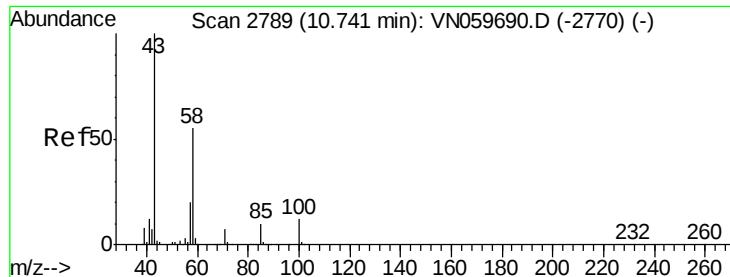
63 100

106 28.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059688.D (-2366) (-)

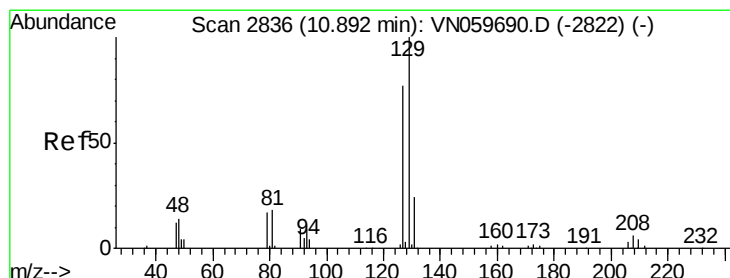
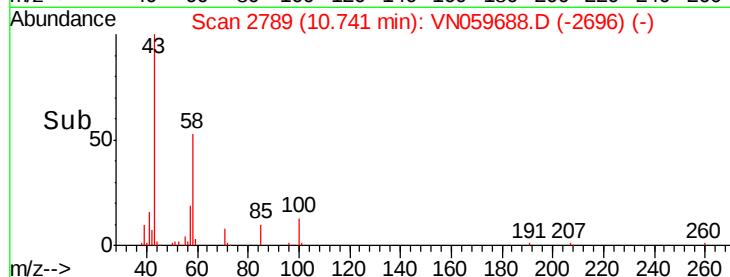
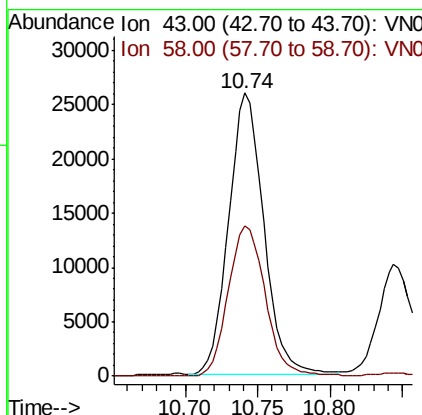
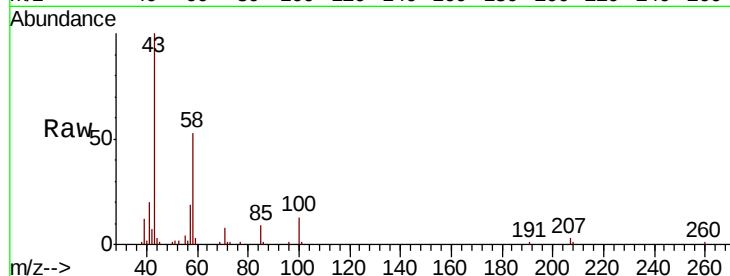




#59
2-Hexanone
Concen: 16.732 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

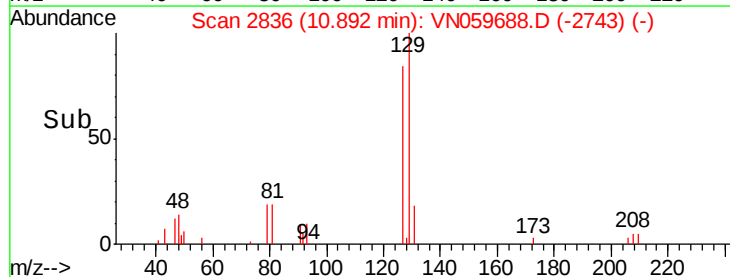
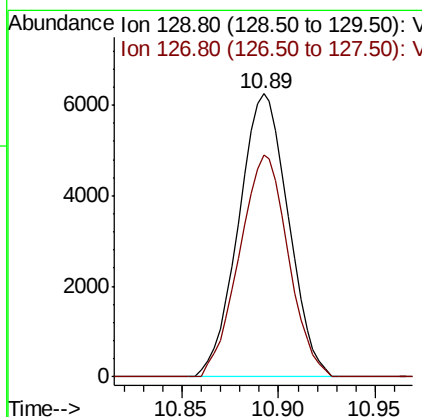
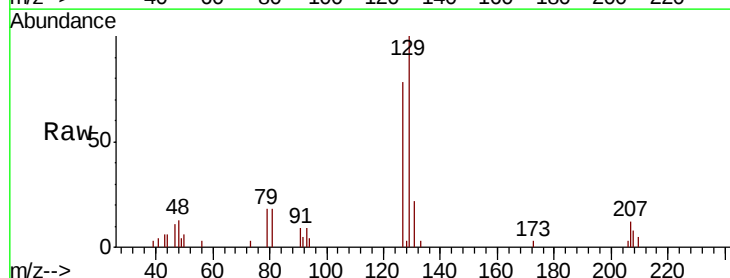
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

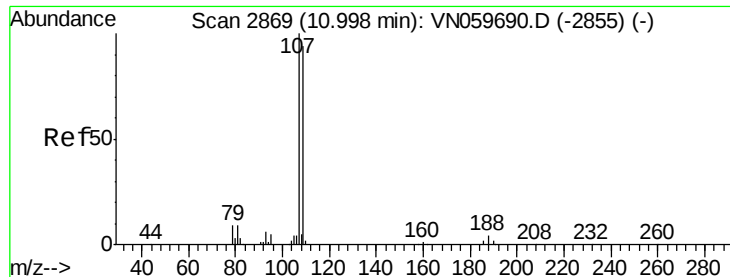
Tot Ion: 43 Resp: 43603
Ion Ratio Lower Upper
43 100
58 56.4 25.8 77.3



#60
Dibromochloromethane
Concen: 4.733 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion: 129 Resp: 11171
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

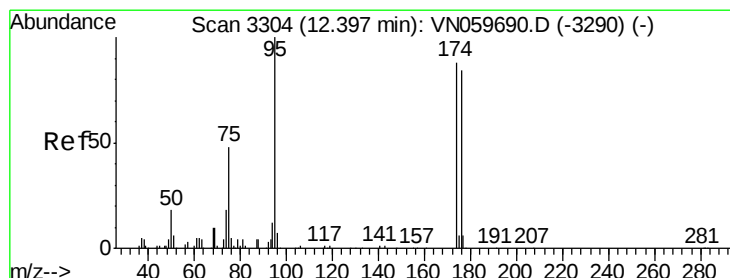
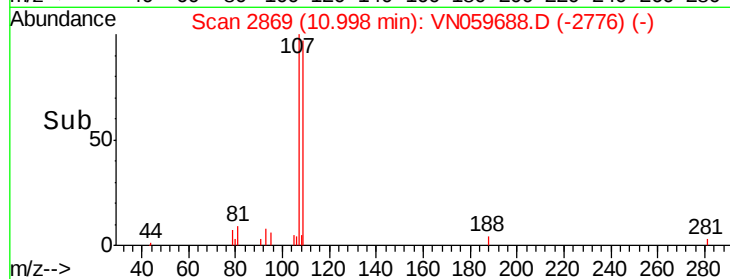
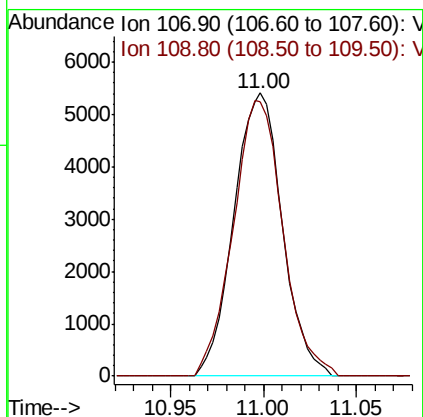
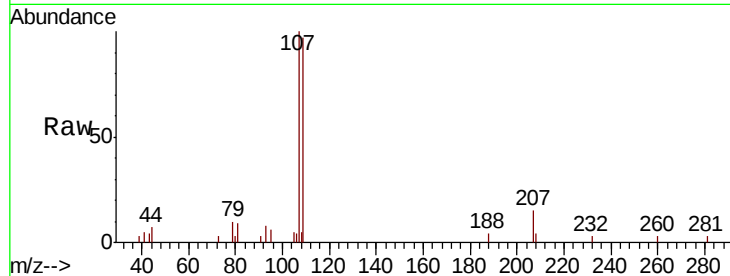




#61
 1,2-Dibromoethane
 Concen: 4.297 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

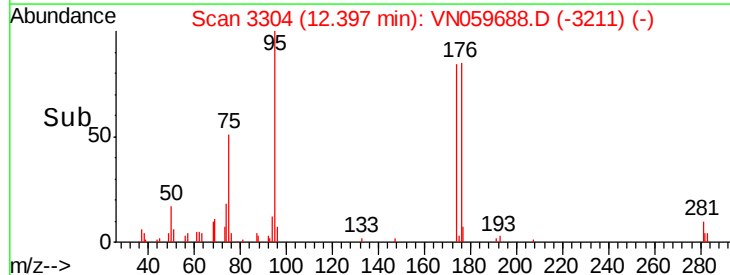
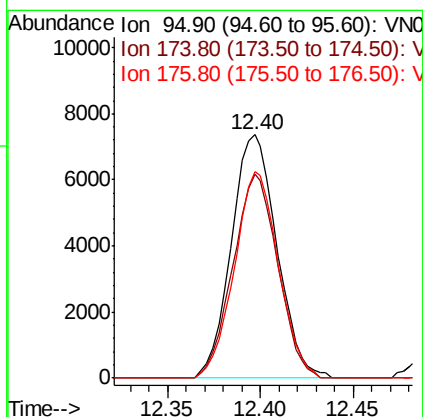
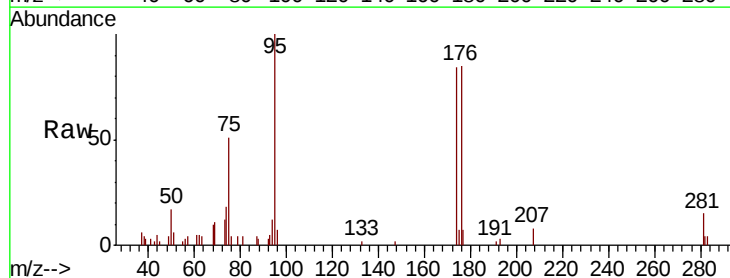
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

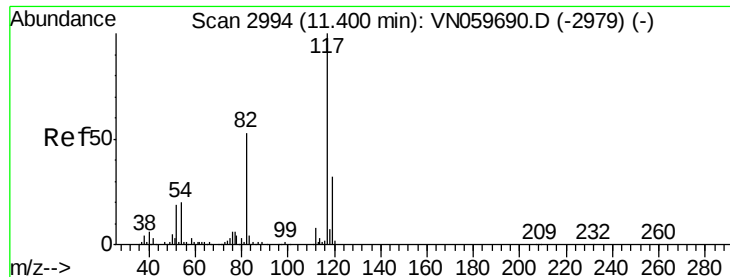
Tot Ion: 107 Resp: 9855
 Ion Ratio Lower Upper
 107 100
 109 99.7 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 4.712 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion: 95 Resp: 12534
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 151.4
 176 82.0 0.0 146.0

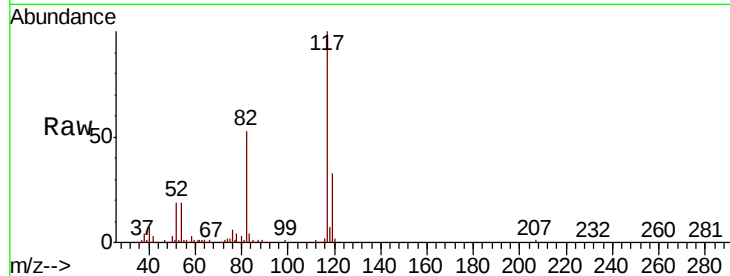




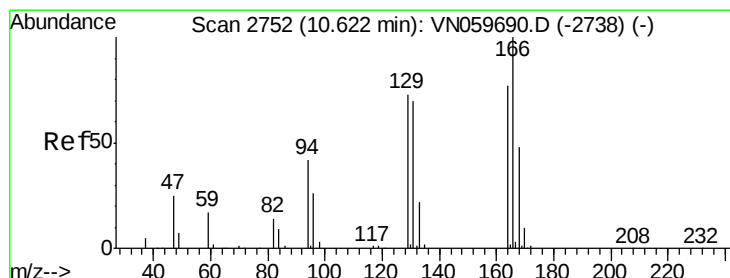
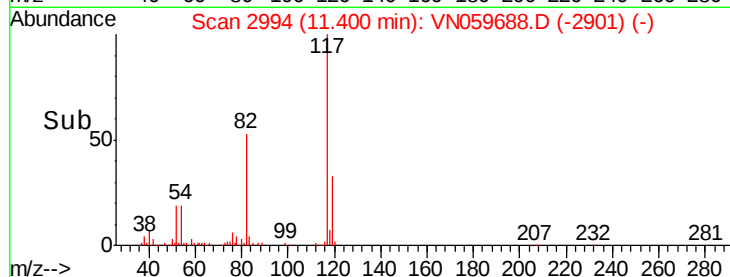
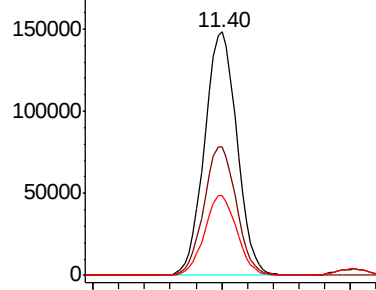
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 259304
Ion Ratio Lower Upper
117 100
82 52.6 45.9 68.9
119 32.6 25.5 38.3

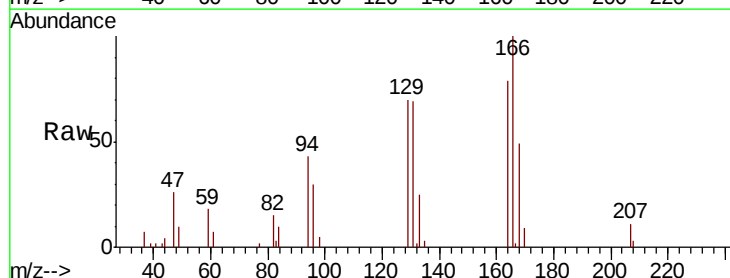


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

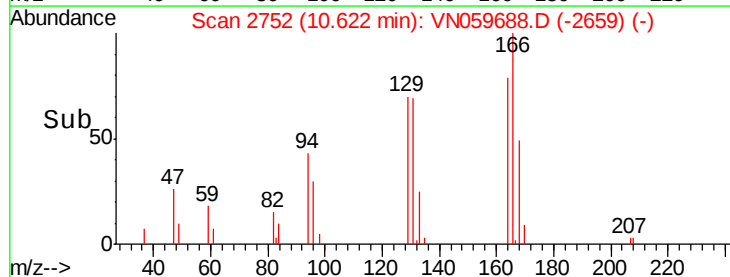
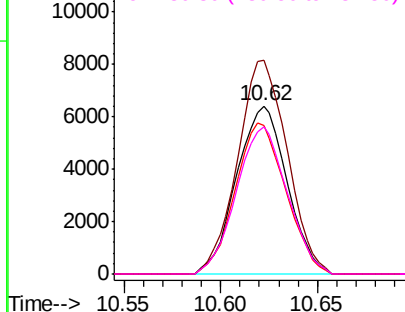


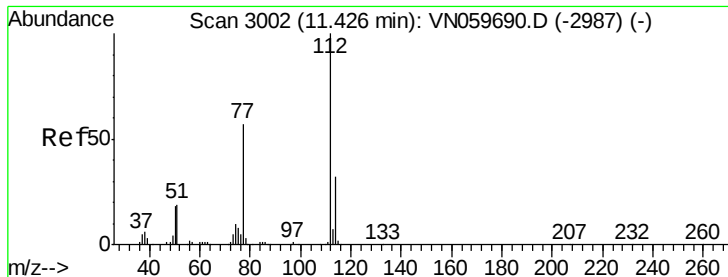
#64
Tetrachloroethene
Concen: 4.813 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion:164 Resp: 11634
Ion Ratio Lower Upper
164 100
166 127.3 101.4 152.0
129 88.5 80.2 120.4
131 87.7 75.0 112.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

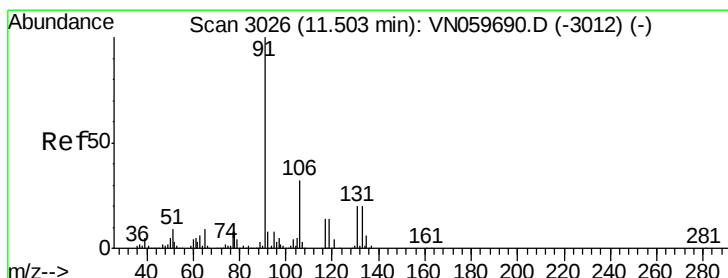
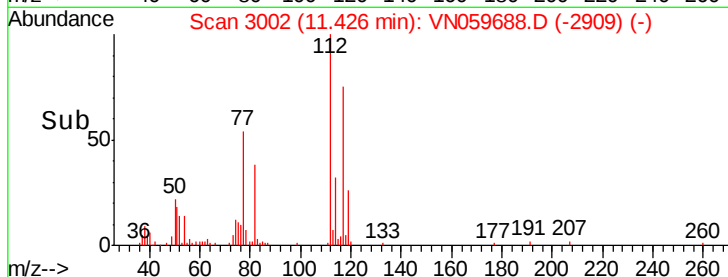
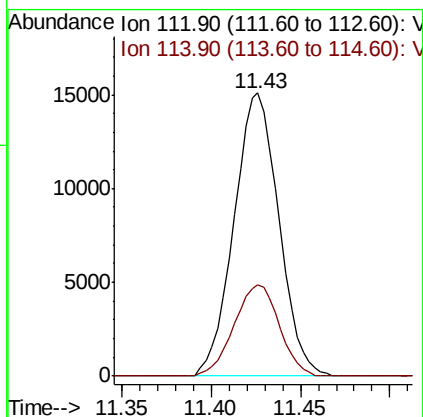
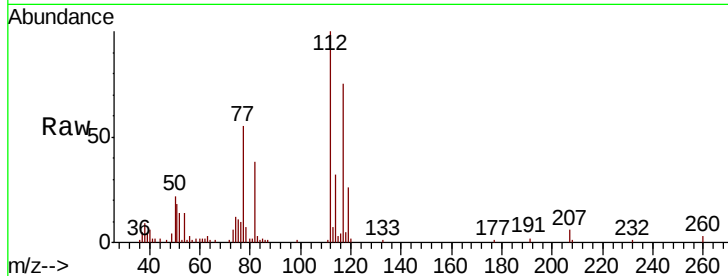




#65
Chlorobenzene
Concen: 4.697 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

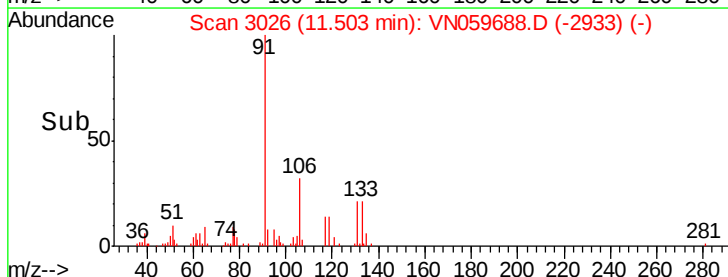
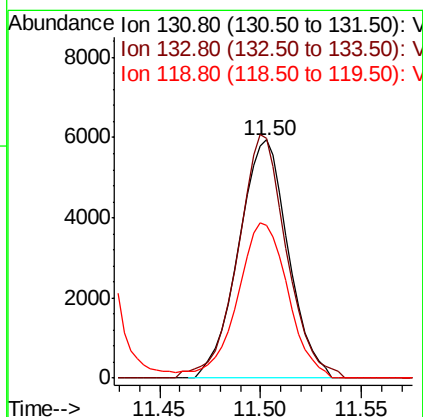
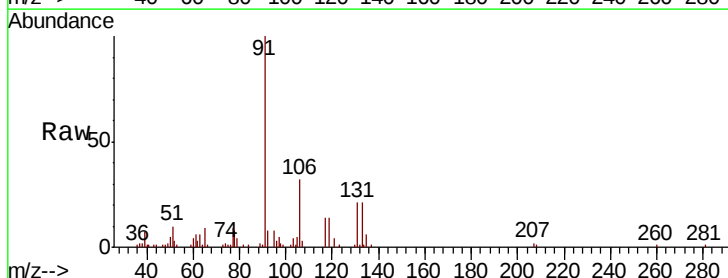
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

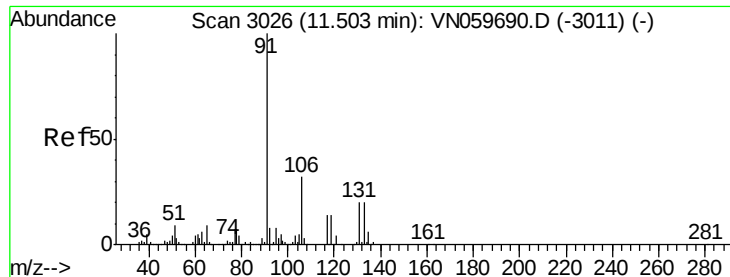
Tot Ion:112 Resp: 26354
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.796 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion:131 Resp: 10222
Ion Ratio Lower Upper
131 100
133 100.6 47.4 142.2
119 65.8 33.1 99.3





#67

Ethyl Benzene

Concen: 4.715 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

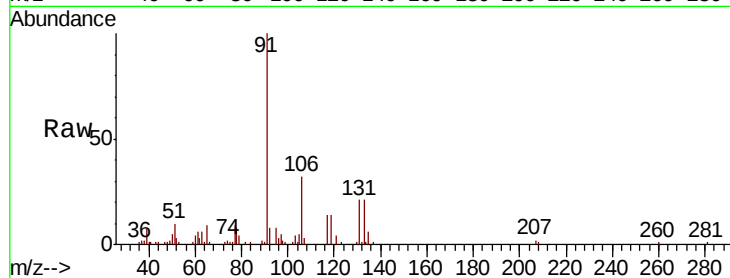
VSTDIC005

Tot Ion: 91 Resp: 47754

Ion Ratio Lower Upper

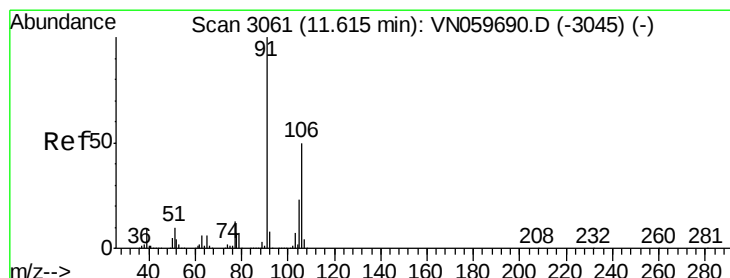
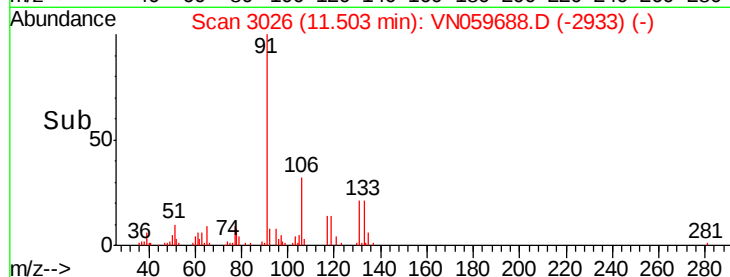
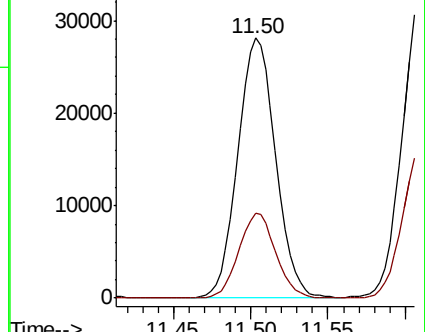
91 100

106 32.4 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN059690.D (-3011) (-)



#68

m/p-Xylenes

Concen: 9.622 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059688.D

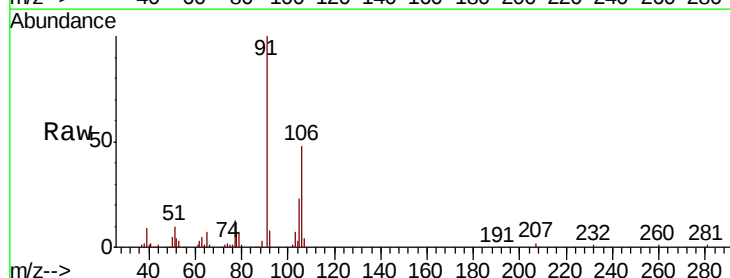
Acq: 13 Jan 2020 14:06

Tgt Ion: 106 Resp: 35984

Ion Ratio Lower Upper

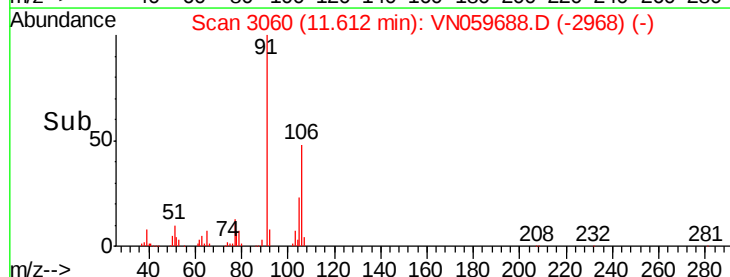
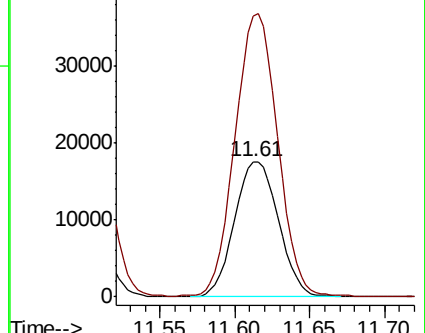
106 100

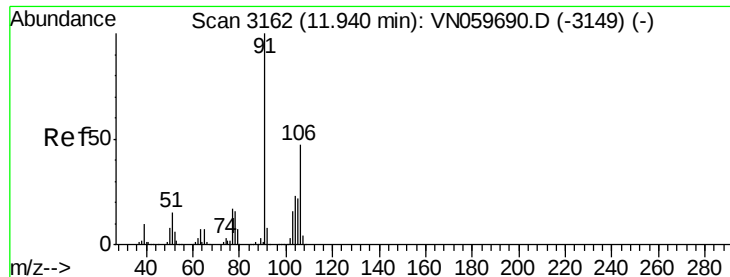
91 204.1 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-3045) (-)

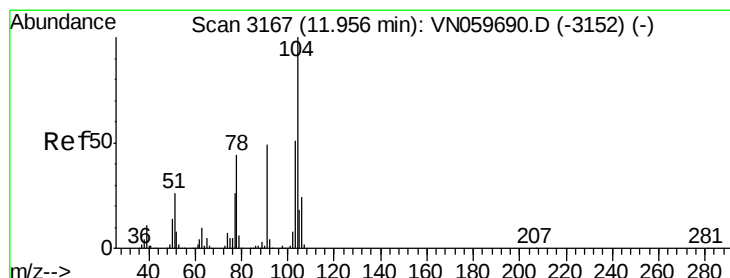
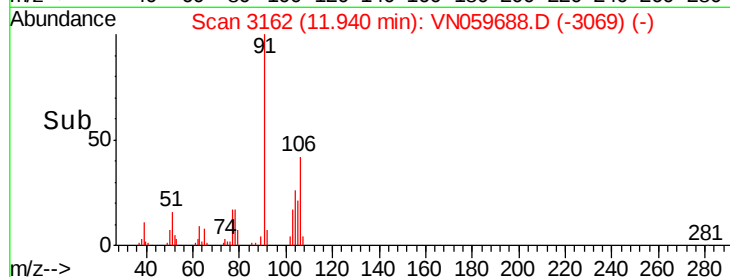
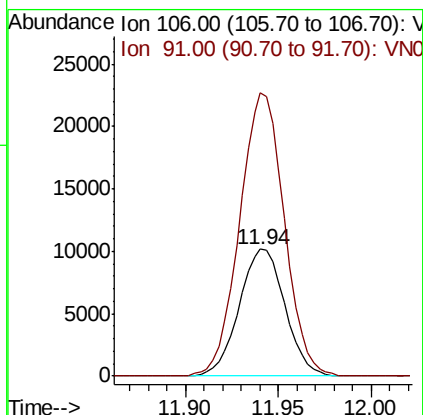
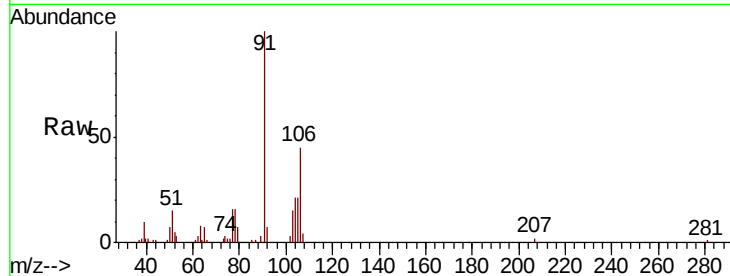




#69
o-Xylene
Concen: 4.923 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

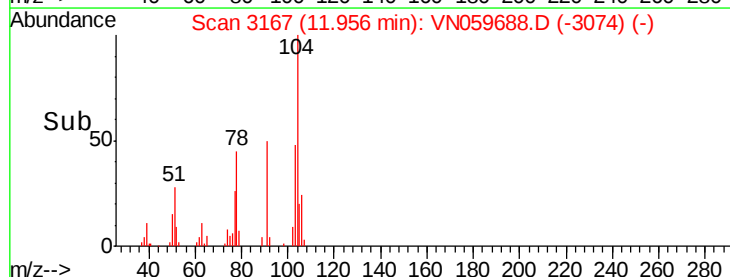
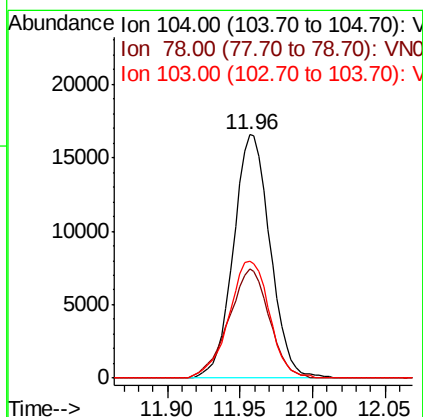
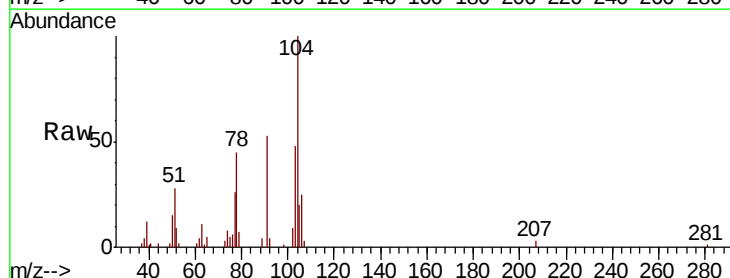
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

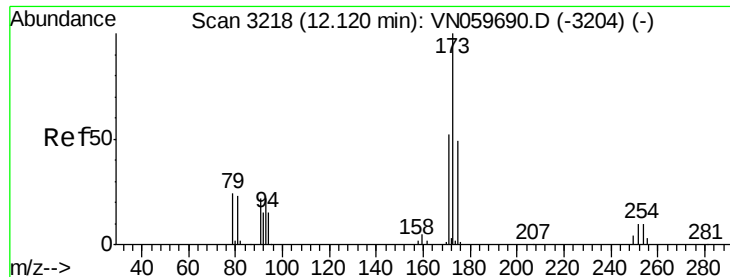
Tot Ion:106 Resp: 17519
Ion Ratio Lower Upper
106 100
91 216.9 110.3 330.9



#70
Styrene
Concen: 5.113 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion:104 Resp: 29234
Ion Ratio Lower Upper
104 100
78 49.5 42.4 63.6
103 52.9 43.9 65.9





#71

Bromoform

Concen: 4.933 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

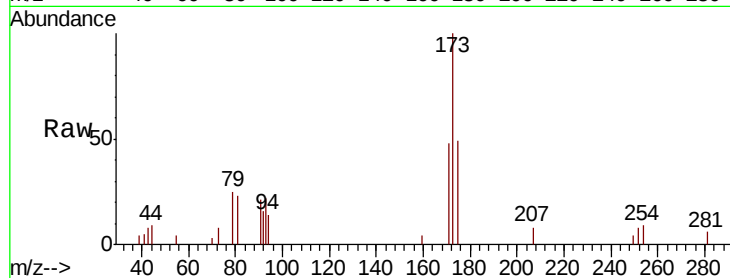
Tot Ion:173 Resp: 7902

Ion Ratio Lower Upper

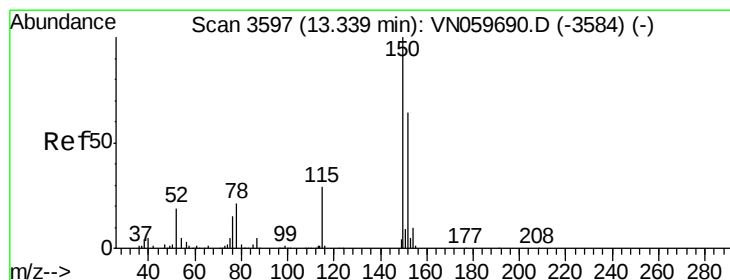
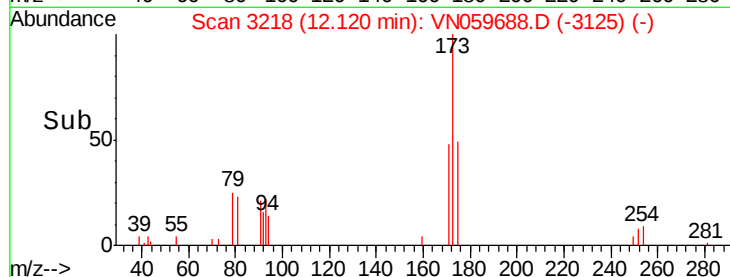
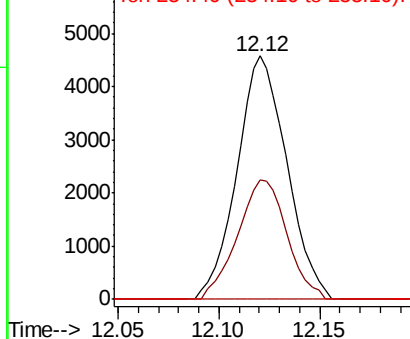
173 100

175 48.4 23.8 71.4

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

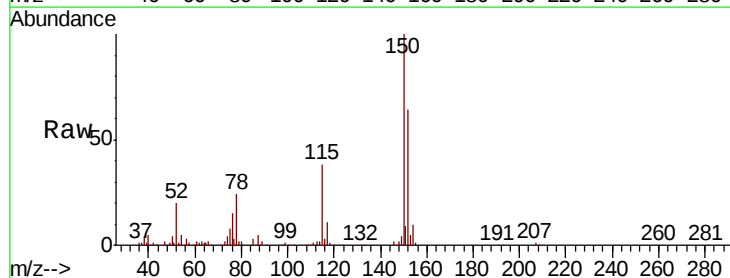
Tgt Ion:152 Resp: 117235

Ion Ratio Lower Upper

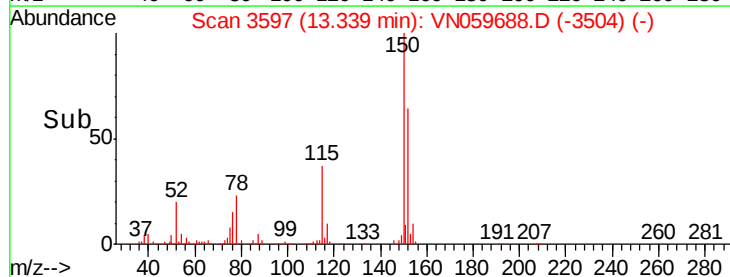
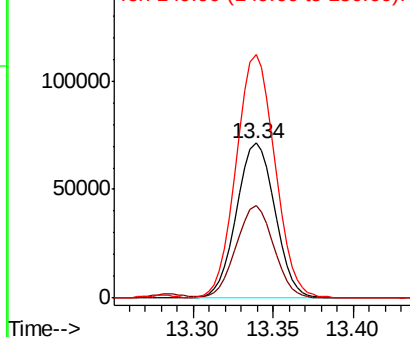
152 100

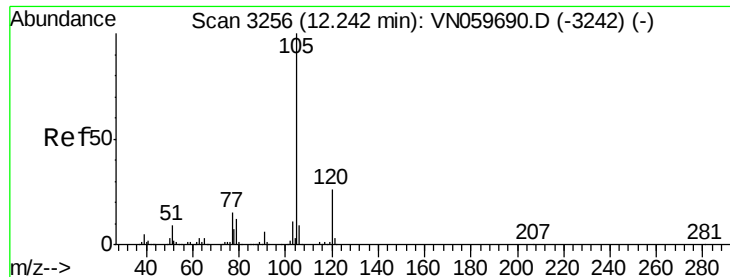
115 58.5 30.3 90.9

150 158.3 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.076 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

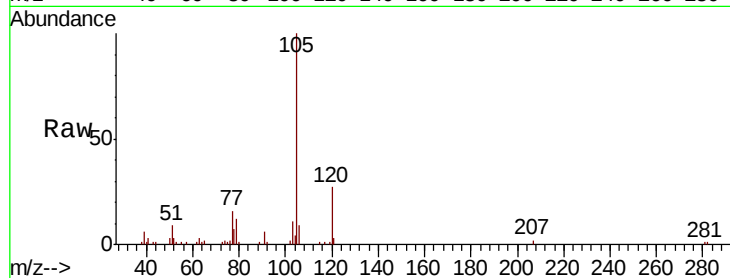
VSTDIC005

Tot Ion:105 Resp: 46715

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

15000

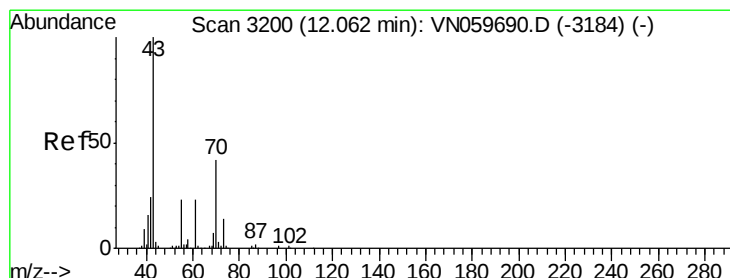
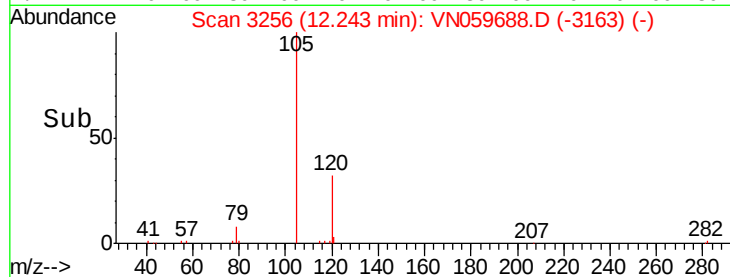
10000

5000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 4.125 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Tgt Ion: 43 Resp: 17413

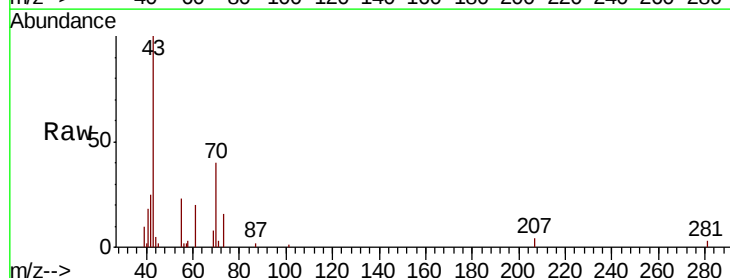
Ion Ratio Lower Upper

43 100

70 42.7 31.3 46.9

55 24.0 19.8 29.6

61 21.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

15000

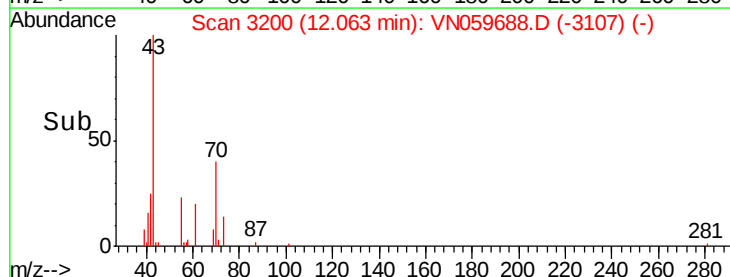
10000

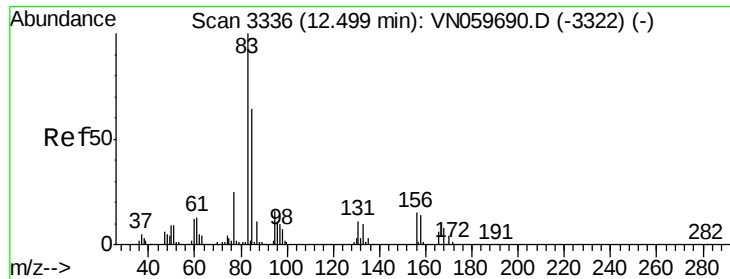
5000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.667 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

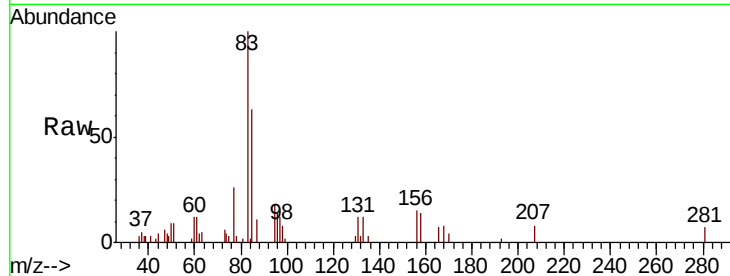
Tot Ion: 83 Resp: 13625

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

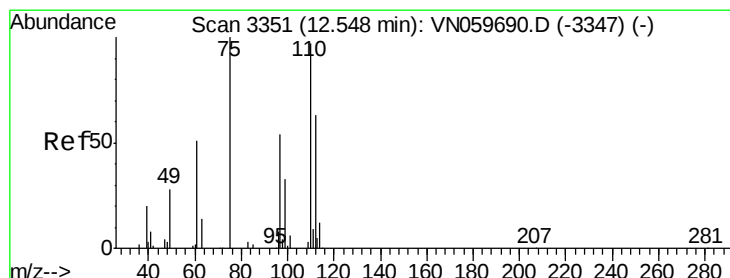
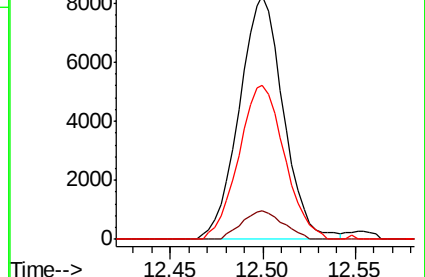
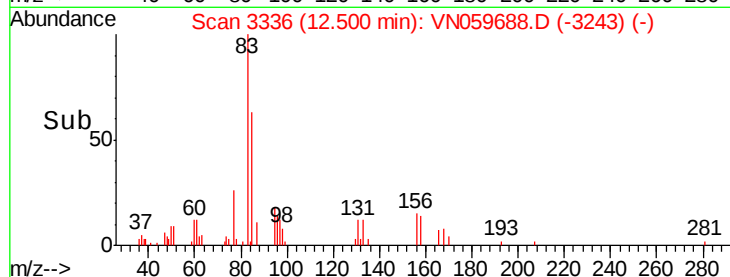
85 65.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059688.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059688.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059688.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 6.103 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059688.D

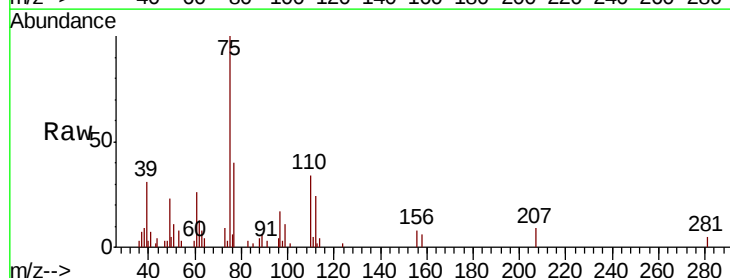
Acq: 13 Jan 2020 14:06

Tgt Ion: 75 Resp: 17712

Ion Ratio Lower Upper

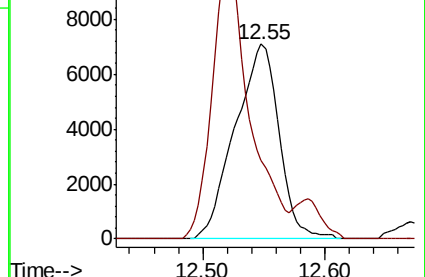
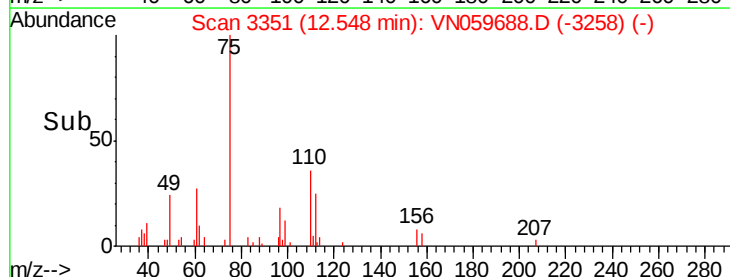
75 100

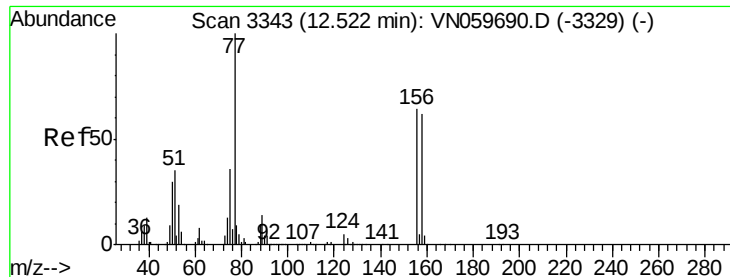
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059688.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059688.D (-3258) (-)





#77

Bromobenzene

Concen: 5.176 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

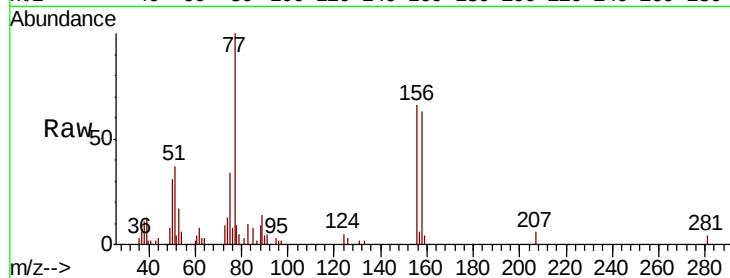
Tot Ion:156 Resp: 11715

Ion Ratio Lower Upper

156 100

77 186.8 115.8 347.4

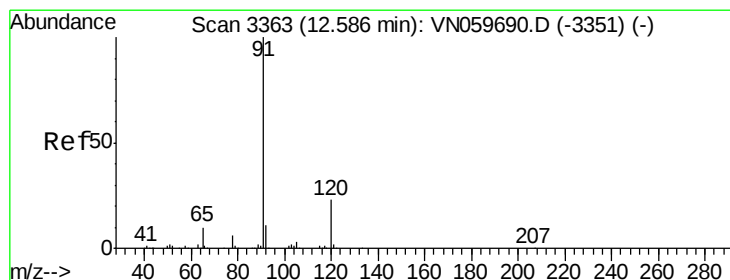
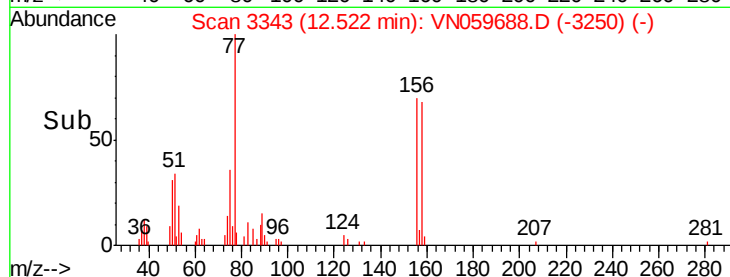
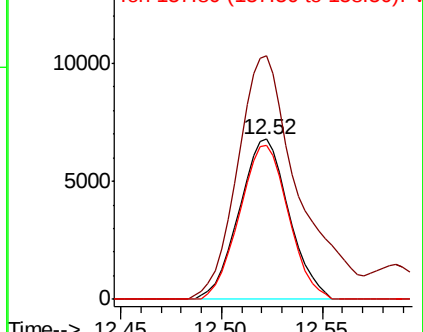
158 94.6 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.692 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059688.D

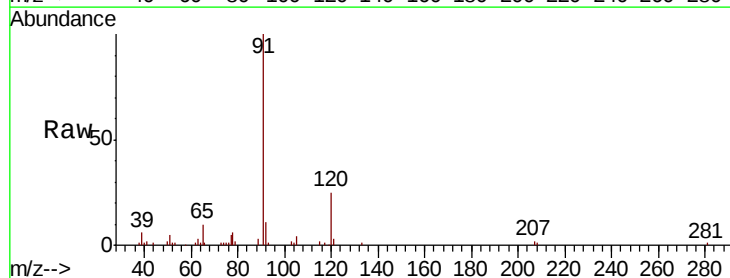
Acq: 13 Jan 2020 14:06

Tgt Ion: 91 Resp: 51042

Ion Ratio Lower Upper

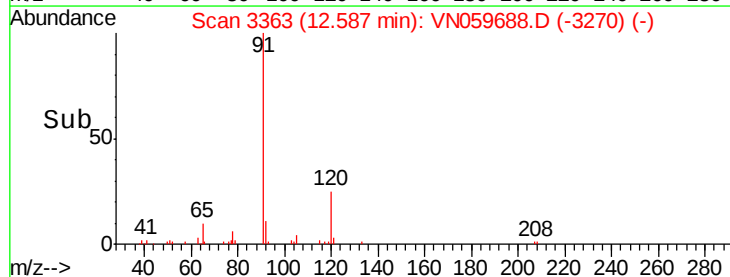
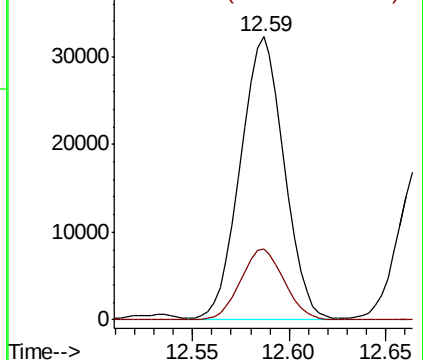
91 100

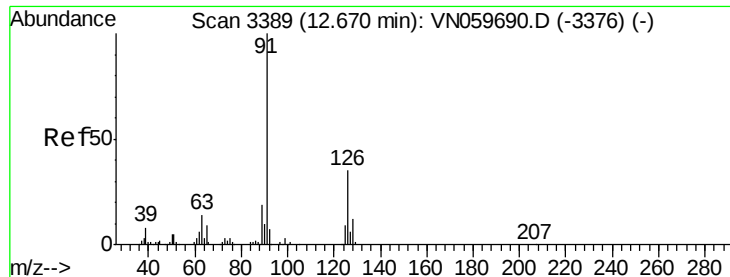
120 24.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.825 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

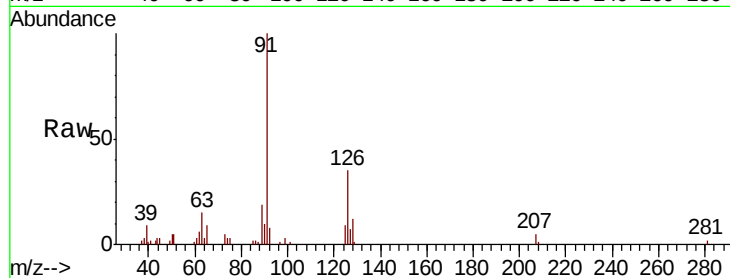
VSTDIC005

Tot Ion: 91 Resp: 31742

Ion Ratio Lower Upper

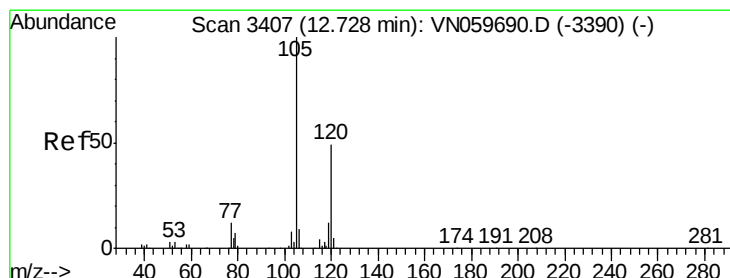
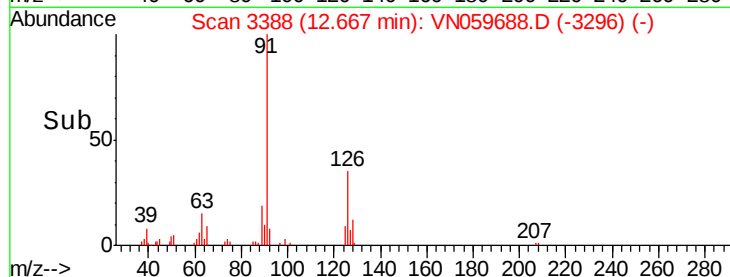
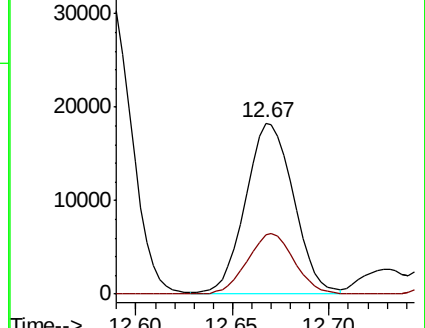
91 100

126 34.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059690.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.045 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059688.D

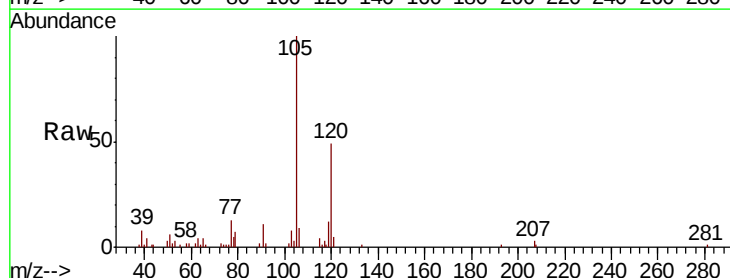
Acq: 13 Jan 2020 14:06

Tgt Ion: 105 Resp: 39288

Ion Ratio Lower Upper

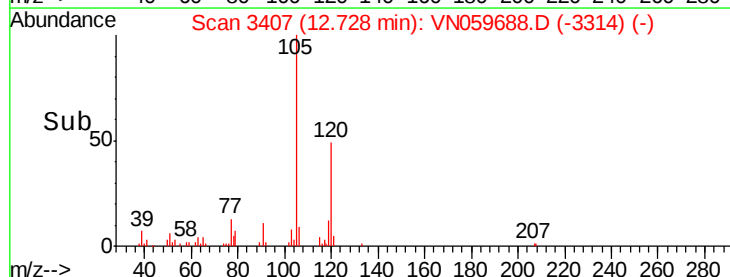
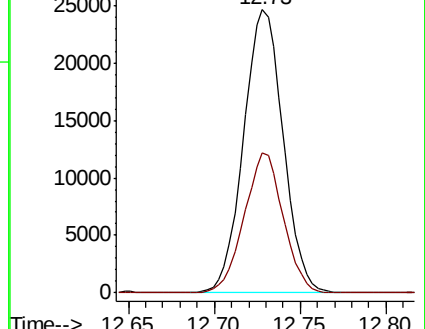
105 100

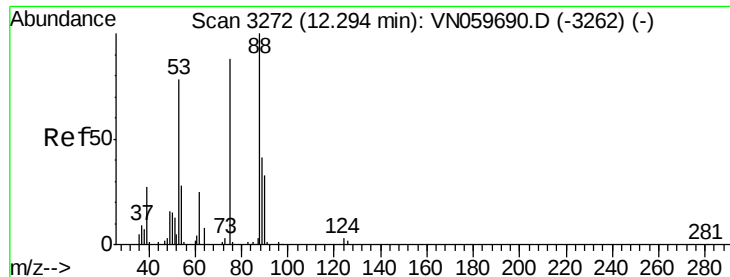
120 48.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.841 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

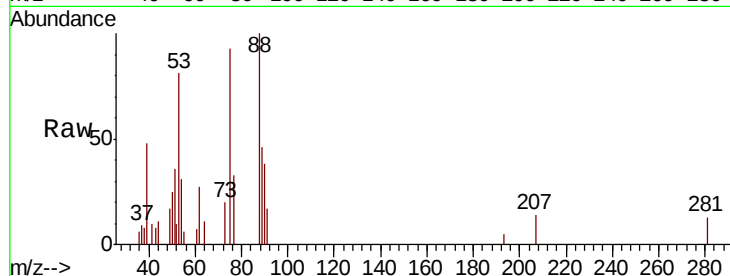
Tot Ion: 75 Resp: 4513

Ion Ratio Lower Upper

75 100

53 93.4 78.1 117.1

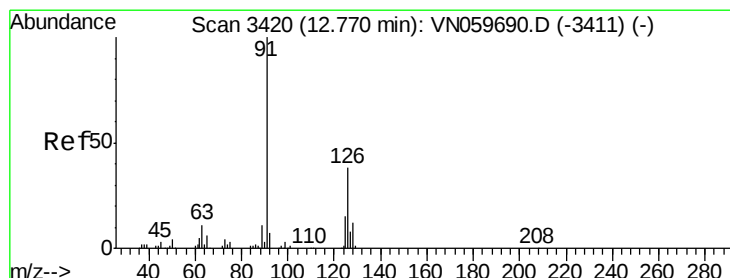
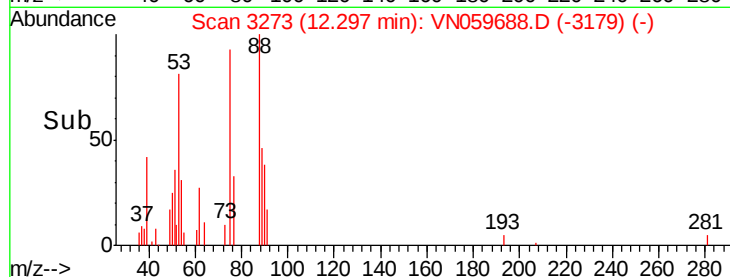
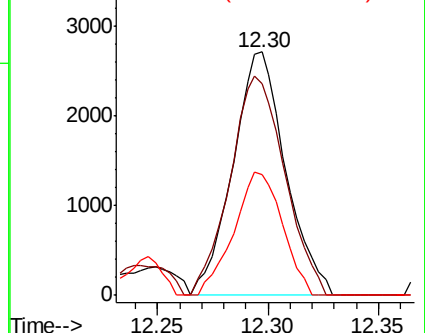
89 46.4 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.577 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059688.D

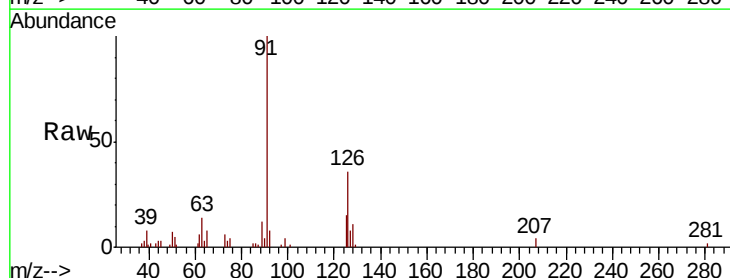
Acq: 13 Jan 2020 14:06

Tgt Ion: 91 Resp: 30828

Ion Ratio Lower Upper

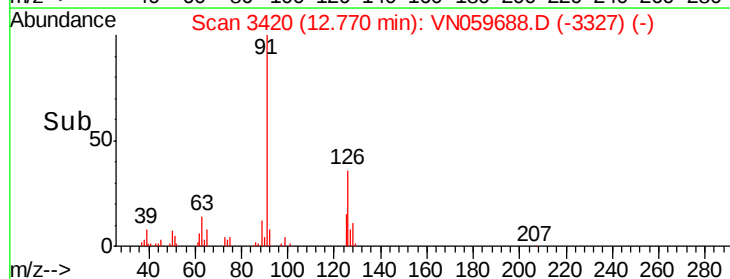
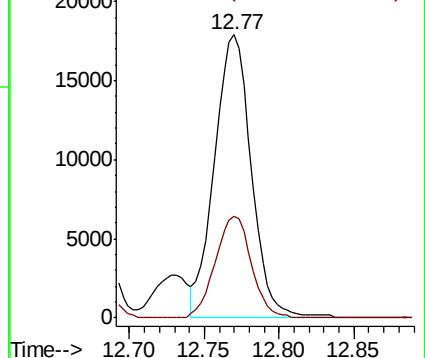
91 100

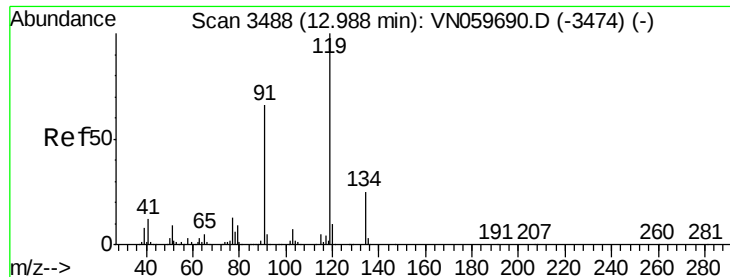
126 35.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

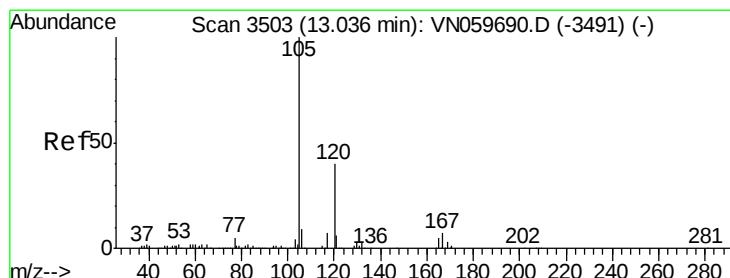
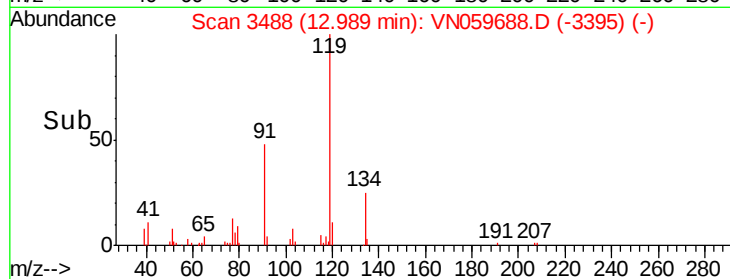
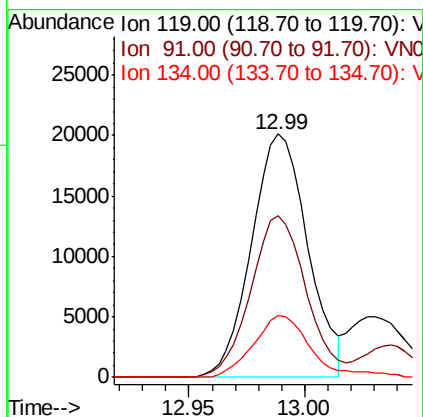
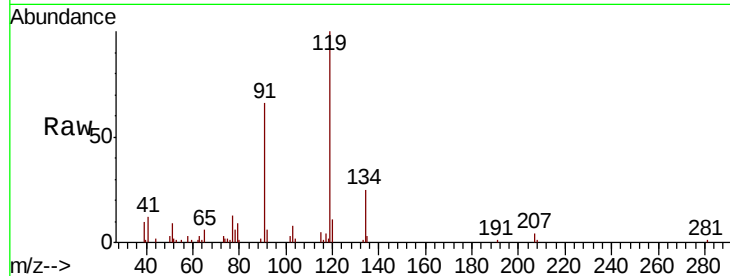




#83
tert-Butylbenzene
Concen: 5.164 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

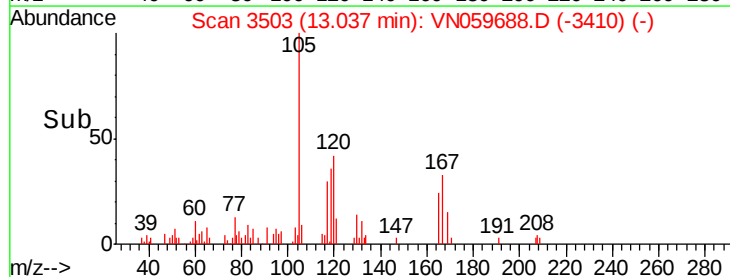
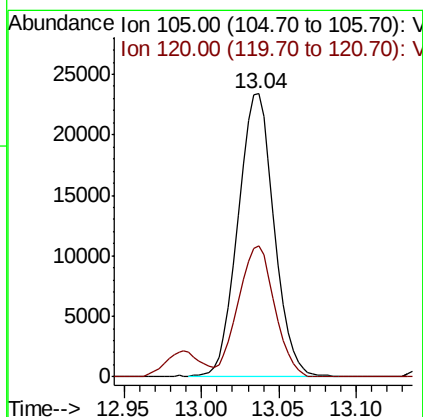
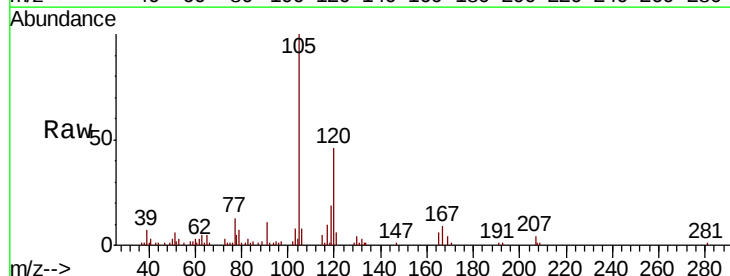
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

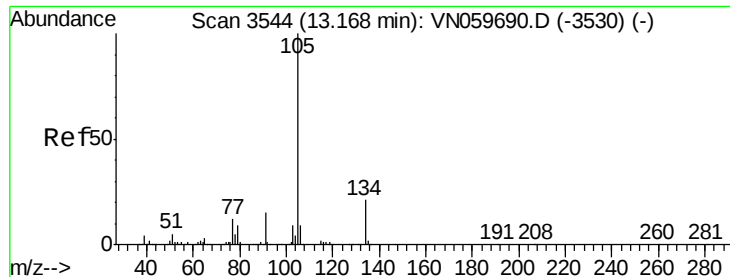
Tot Ion:119 Resp: 34056
Ion Ratio Lower Upper
119 100
91 65.3 34.8 104.4
134 25.9 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 4.917 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059688.D
Acq: 13 Jan 2020 14:06

Tgt Ion:105 Resp: 38080
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 4.999 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

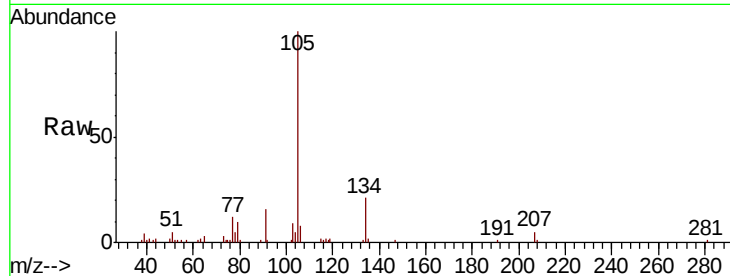
VSTDIC005

Tot Ion:105 Resp: 43854

Ion Ratio Lower Upper

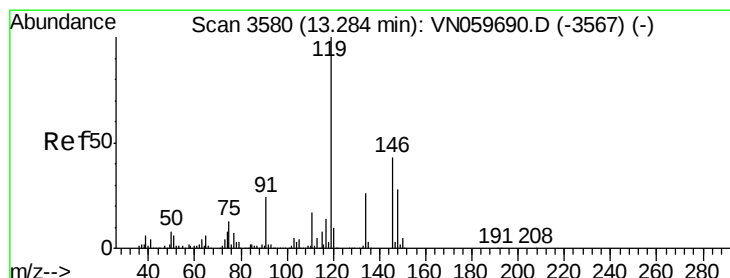
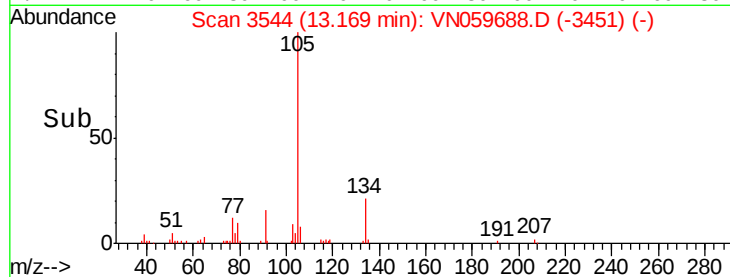
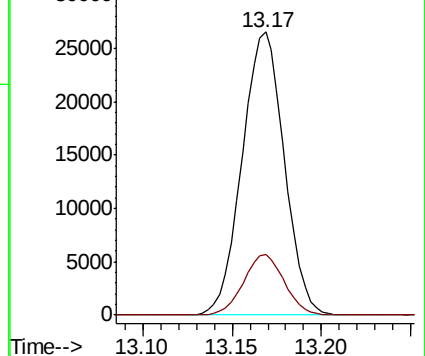
105 100

134 20.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.062 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

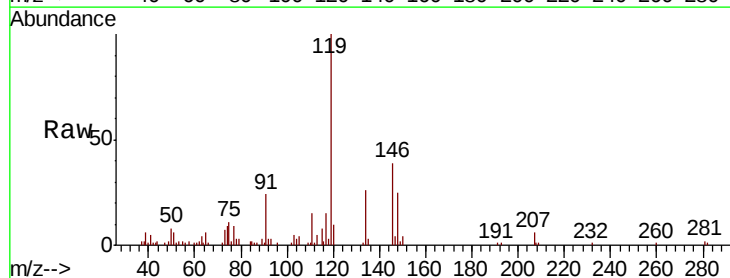
Tgt Ion:119 Resp: 40220

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.7

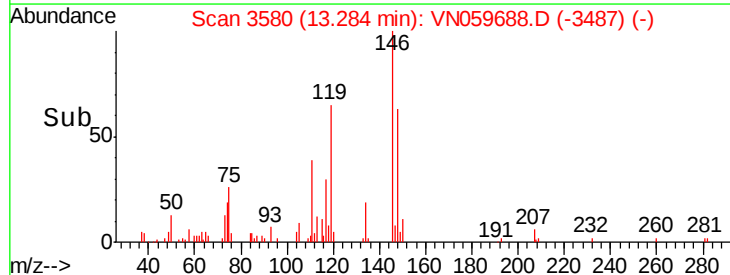
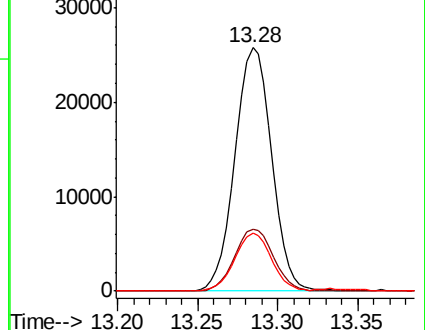
91 23.7 12.4 37.4

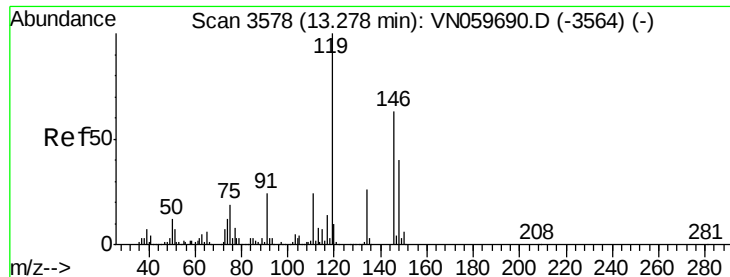


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 4.670 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

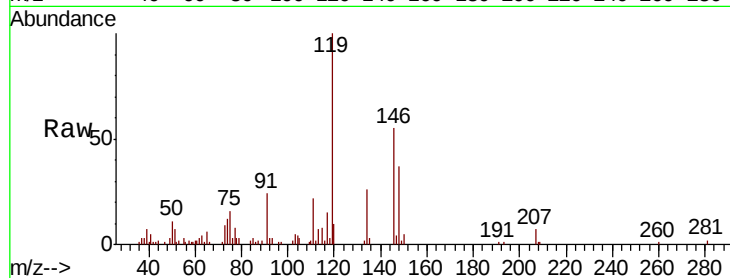
Tot Ion:146 Resp: 19436

Ion Ratio Lower Upper

146 100

111 39.5 20.8 62.2

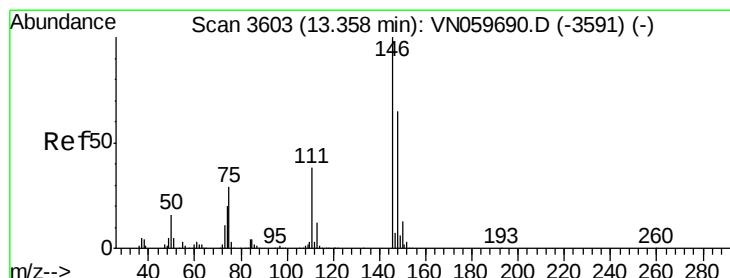
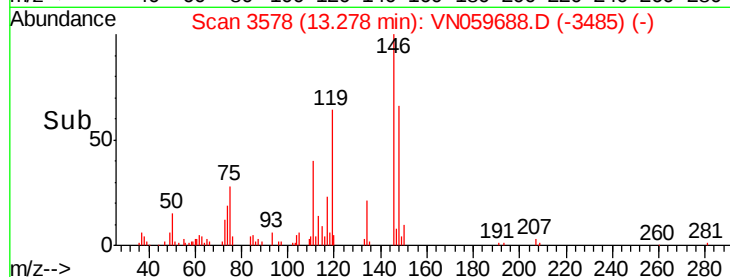
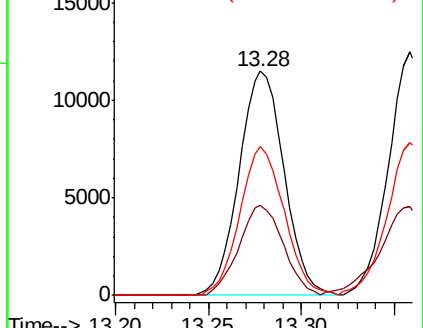
148 65.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.813 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

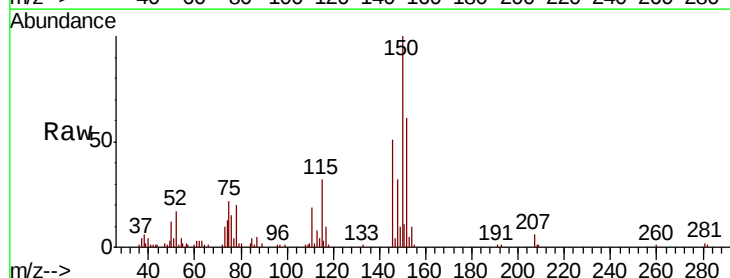
Tgt Ion:146 Resp: 20195

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.2

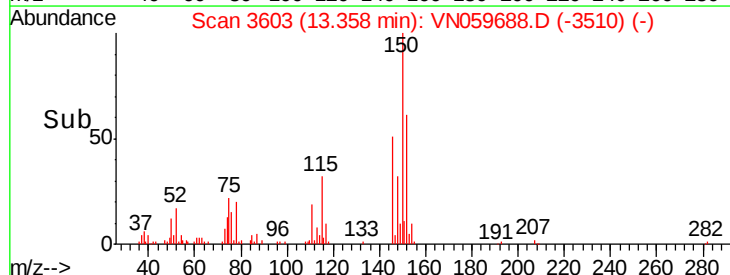
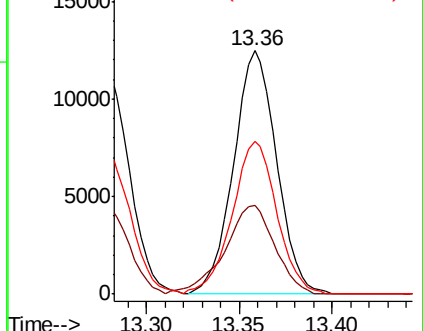
148 64.8 31.8 95.4

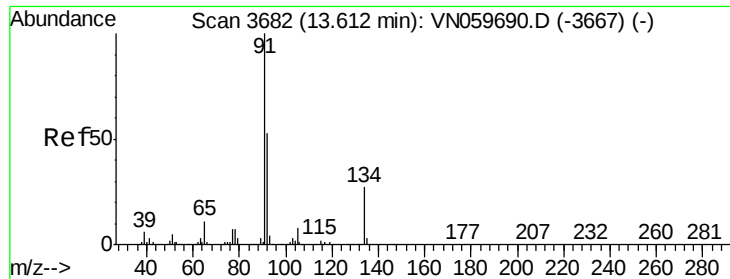


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 4.437 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

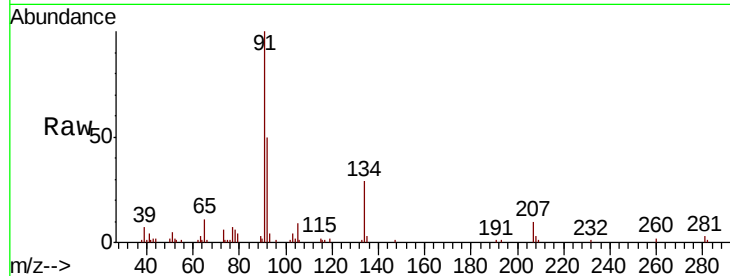
Tot Ion: 91 Resp: 33057

Ion Ratio Lower Upper

91 100

92 50.7 25.9 77.7

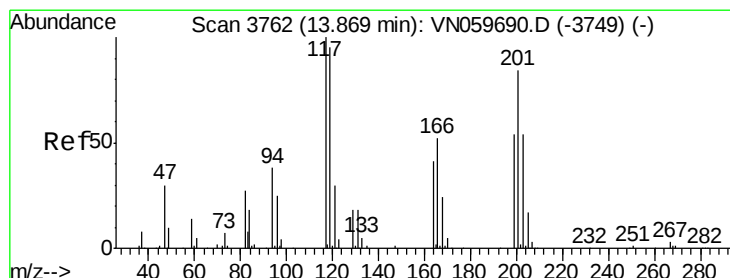
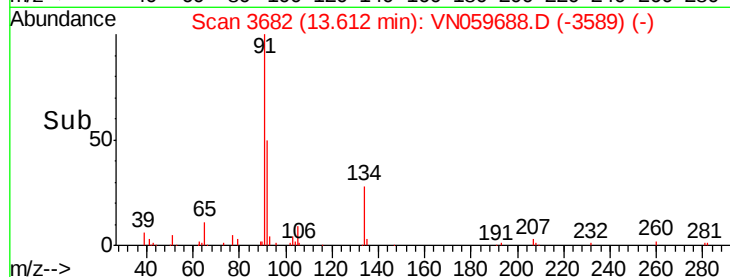
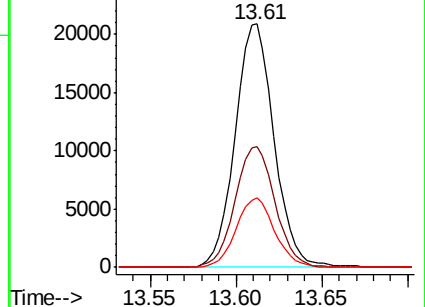
134 28.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN059690.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN059690.D (-3667) (-)



#90

Hexachloroethane

Concen: 4.961 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059688.D

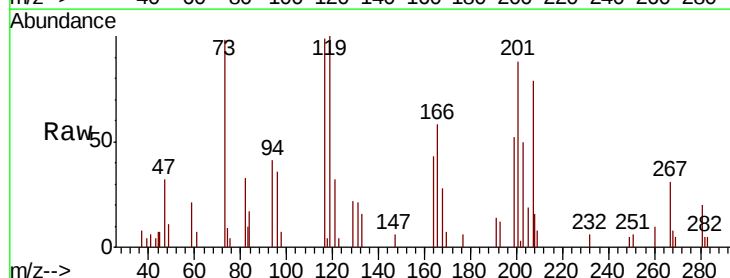
Acq: 13 Jan 2020 14:06

Tgt Ion: 117 Resp: 7451

Ion Ratio Lower Upper

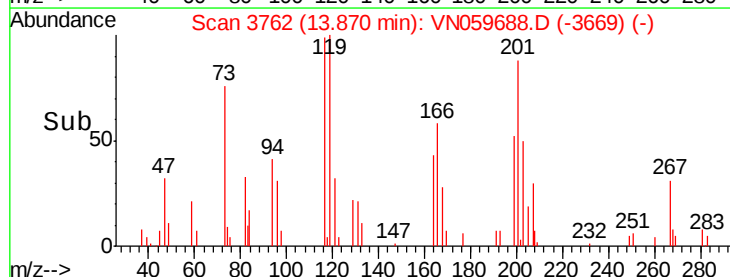
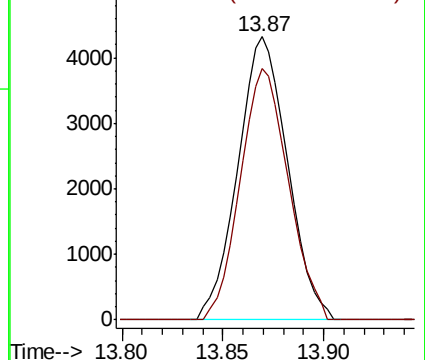
117 100

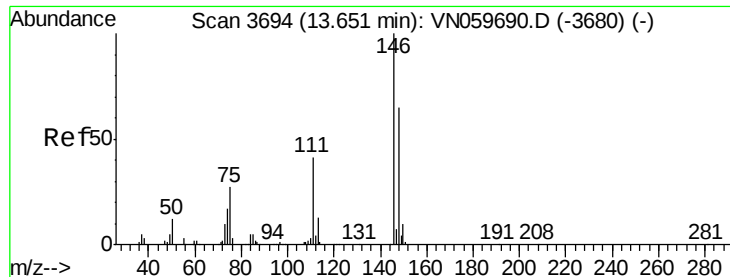
201 85.8 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059690.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059690.D (-3749) (-)

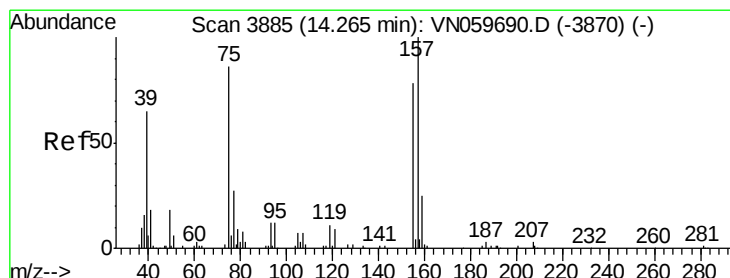
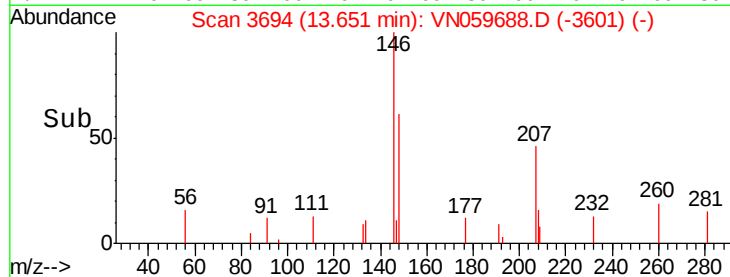
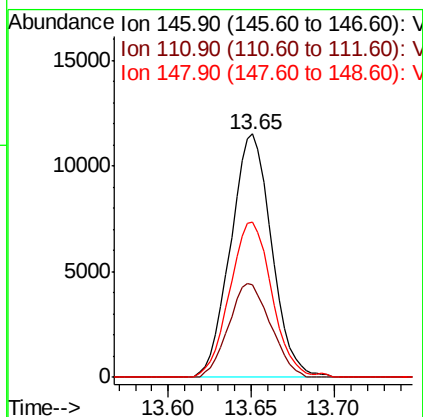
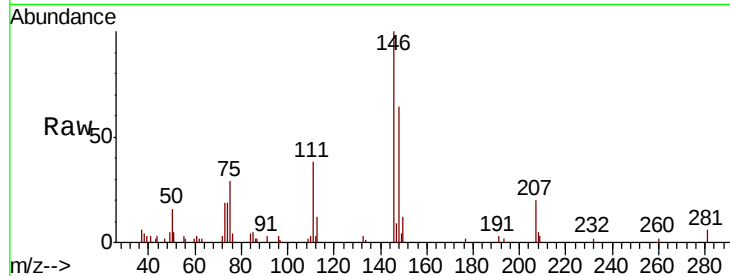




#91
 1,2-Dichlorobenzene
 Concen: 4.839 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

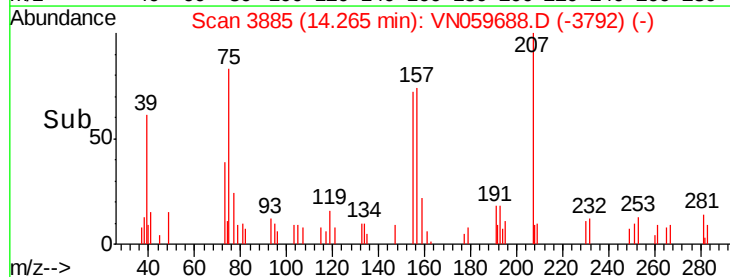
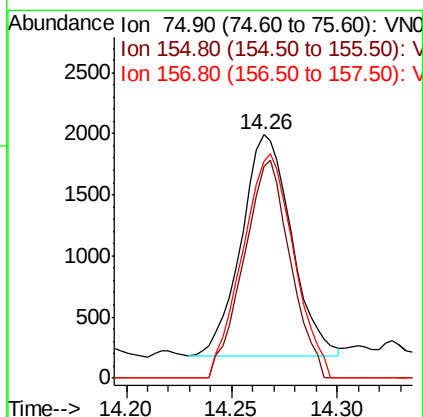
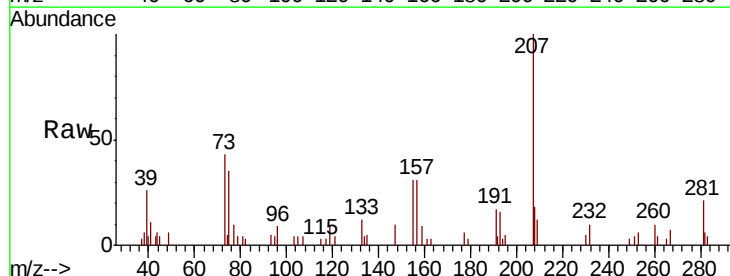
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

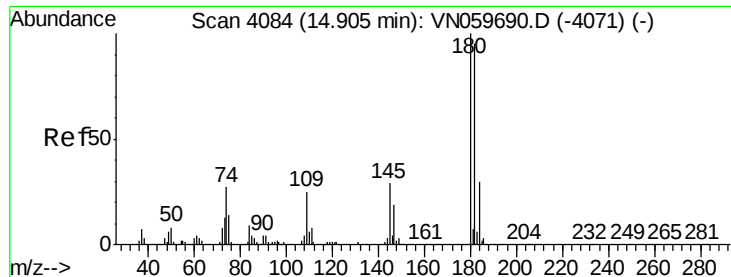
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	64.8
148	65.6	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.492 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059688.D
 Acq: 13 Jan 2020 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.0	37.0	110.9
157	103.3	48.4	145.2





#93

1,2,4-Trichlorobenzene

Concen: 4.160 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

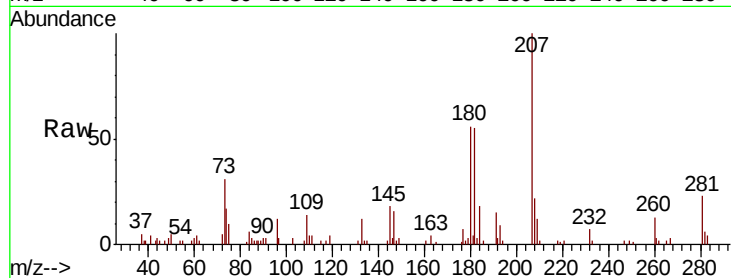
Tot Ion:180 Resp: 11026

Ion Ratio Lower Upper

180 100

182 93.1 46.9 140.7

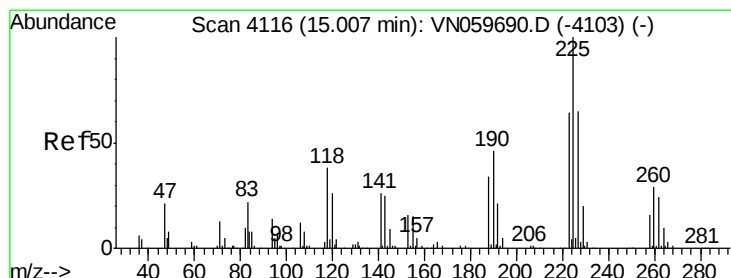
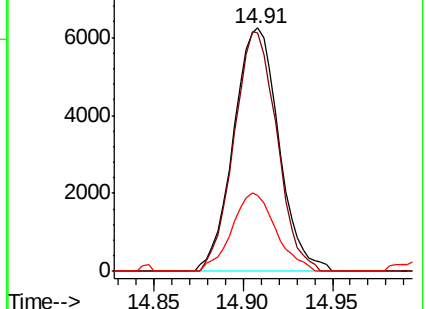
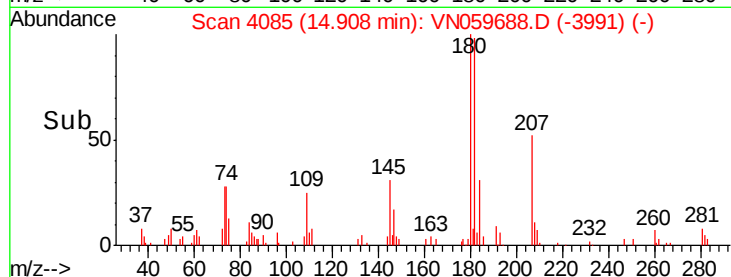
145 31.3 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 4.727 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

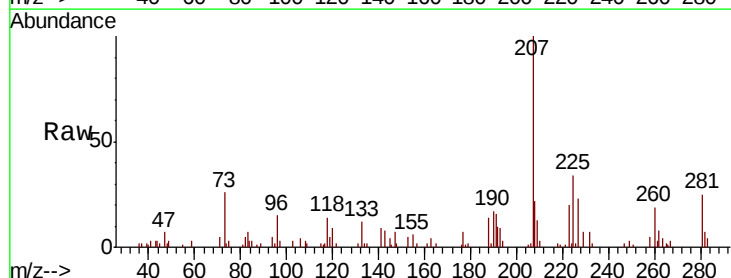
Tgt Ion:225 Resp: 6709

Ion Ratio Lower Upper

225 100

223 62.6 31.8 95.3

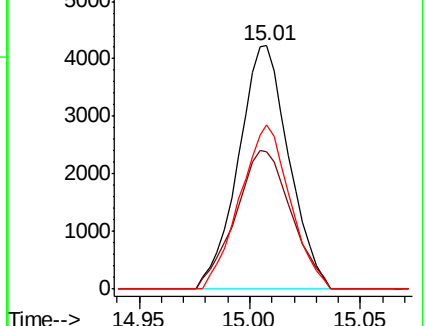
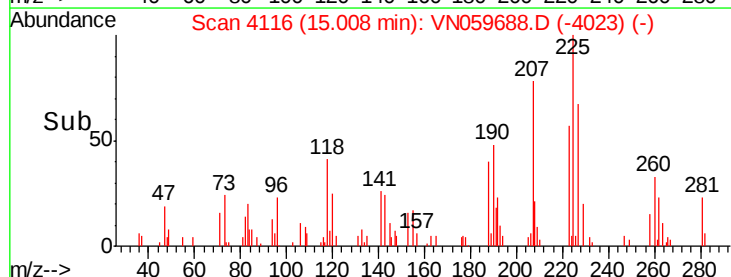
227 67.0 32.1 96.5

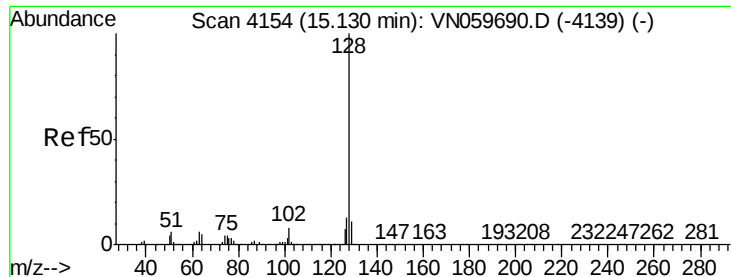


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.744 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

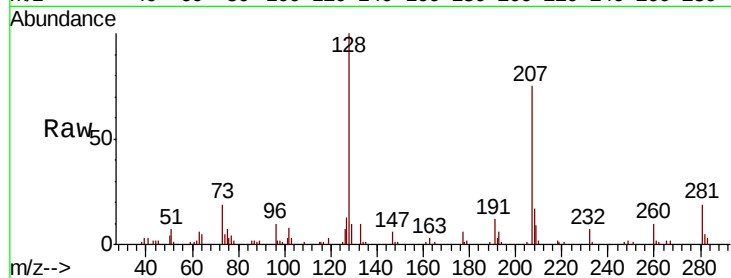
Tot Ion:128 Resp: 29619

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

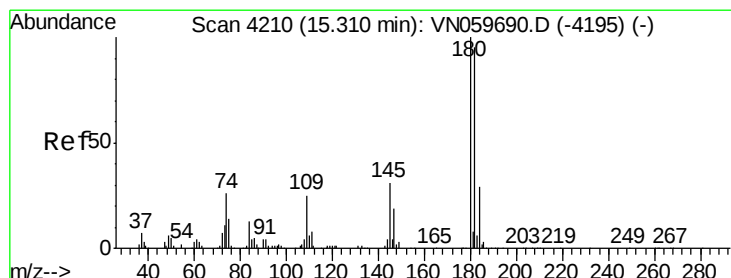
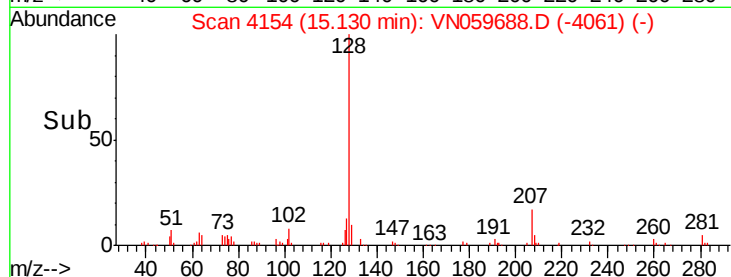
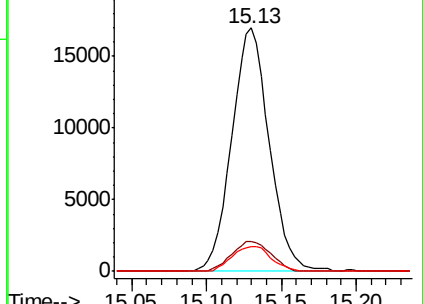
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.885 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059688.D

Acq: 13 Jan 2020 14:06

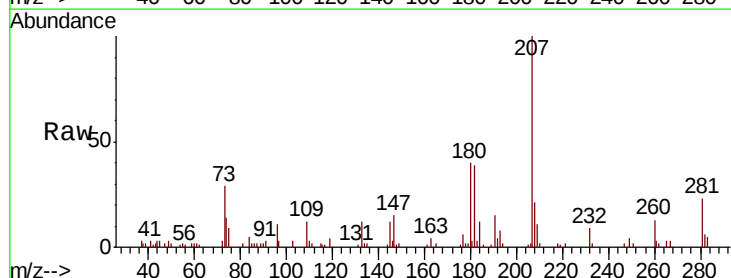
Tgt Ion:180 Resp: 10413

Ion Ratio Lower Upper

180 100

182 99.0 47.4 142.3

145 33.2 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

