

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059689.D
 Acq On : 13 Jan 2020 14:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 14 08:38:32 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	188473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	260514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123704	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	40958	14.93	ug/l	0.00
Spiked Amount						
			Recovery	=	29.86%	
35) Dibromofluoromethane	7.57	113	34264	18.75	ug/l	0.00
Spiked Amount						
			Recovery	=	37.50%	
50) Toluene-d8	10.08	98	134074	18.53	ug/l	0.00
Spiked Amount						
			Recovery	=	37.06%	
62) 4-Bromofluorobenzene	12.40	95	46555	17.64	ug/l	0.00
Spiked Amount						
			Recovery	=	35.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	44278	18.181	ug/l	99
3) Chloromethane	2.04	50	43840	11.343	ug/l	98
4) Vinyl Chloride	2.17	62	51414	14.028	ug/l	96
5) Bromomethane	2.55	94	29047	13.633	ug/l	100
6) Chloroethane	2.68	64	23318	11.320	ug/l	97
7) Trichlorofluoromethane	3.00	101	58860	14.637	ug/l	98
8) Diethyl Ether	3.38	74	20441	16.269	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32241	15.910	ug/l	93
10) Methyl Iodide	3.93	142	50203	18.713	ug/l	94
11) Tert butyl alcohol	4.73	59	34270	68.158	ug/l	99
12) 1,1-Dichloroethene	3.72	96	32935	16.660	ug/l	89
13) Acrolein	3.58	56	23627	65.967	ug/l	100
14) Allyl chloride	4.30	41	44915	11.068	ug/l #	85
15) Acrylonitrile	4.95	53	79667	65.504	ug/l	99
16) Acetone	3.78	43	69825	42.883	ug/l	93
17) Carbon Disulfide	4.03	76	95751	14.106	ug/l	100
18) Methyl Acetate	4.29	43	47152	13.820	ug/l	93
19) Methyl tert-butyl Ether	5.01	73	110280	15.800	ug/l	96
20) Methylene Chloride	4.52	84	36985	15.727	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	35865	16.274	ug/l	91
22) Diisopropyl ether	5.92	45	103778	13.871	ug/l	96
23) Vinyl Acetate	5.86	43	383287	65.282	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	63533	14.991	ug/l	98
25) 2-Butanone	6.80	43	110072	56.531	ug/l	93
26) 2,2-Dichloropropane	6.80	77	60022	15.583	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	41568	17.022	ug/l	88
28) Bromochloromethane	7.17	49	24233	16.675	ug/l #	75
29) Tetrahydrofuran	7.18	42	72157	60.823	ug/l	90
30) Chloroform	7.35	83	64732	15.517	ug/l	100
31) Cyclohexane	7.63	56	59861	14.949	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	60161	15.996	ug/l	96
36) 1,1-Dichloropropene	7.77	75	48464	15.913	ug/l	94
37) Ethyl Acetate	6.90	43	45462	12.843	ug/l	96
38) Carbon Tetrachloride	7.75	117	53982	17.082	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059689.D
 Acq On : 13 Jan 2020 14:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 14 08:38:32 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)
39) Methylcyclohexane	9.07	83	60443	17.497	ug/l	92
40) Benzene	8.02	78	146447	16.454	ug/l	99
41) Methacrylonitrile	7.18	41	64978	44.480	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	49893	14.638	ug/l	96
43) Isopropyl Acetate	8.14	43	78004	14.174	ug/l #	95
44) Trichloroethene	8.82	130	41302	17.717	ug/l	92
45) 1,2-Dichloropropane	9.10	63	36722	15.279	ug/l	97
46) Dibromomethane	9.19	93	26233	16.660	ug/l	90
47) Bromodichloromethane	9.39	83	51264	16.330	ug/l	99
48) Methyl methacrylate	9.18	41	35382	14.171	ug/l	92
49) 1,4-Dioxane	9.18	88	13092	365.891	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	230761	70.328	ug/l	95
52) Toluene	10.14	92	93443	17.087	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58110	16.005	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	62189	16.295	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	37062	17.271	ug/l	96
56) Ethyl methacrylate	10.42	69	57125	17.932	ug/l	90
57) 1,3-Dichloropropane	10.70	76	60080	16.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	87071	85.939	ug/l	91
59) 2-Hexanone	10.74	43	174408	67.443	ug/l	94
60) Dibromochloromethane	10.89	129	41905	17.892	ug/l	98
61) 1,2-Dibromoethane	10.99	107	39295	17.266	ug/l	98
64) Tetrachloroethene	10.62	164	42532	17.514	ug/l	95
65) Chlorobenzene	11.43	112	99956	17.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38954	18.194	ug/l	97
67) Ethyl Benzene	11.50	91	181241	17.813	ug/l	96
68) m/p-Xylenes	11.62	106	137876	36.696	ug/l	94
69) o-Xylene	11.94	106	67029	18.749	ug/l	94
70) Styrene	11.96	104	111243	19.367	ug/l	97
71) Bromoform	12.12	173	30484	18.941	ug/l #	97
73) Isopropylbenzene	12.24	105	179532	18.488	ug/l	98
74) N-amyl acetate	12.07	43	68463	15.370	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	51999	16.881	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	68512	22.372	ug/l #	100
77) Bromobenzene	12.52	156	45179	18.918	ug/l	81
78) n-propylbenzene	12.59	91	201475	17.552	ug/l	97
79) 2-Chlorotoluene	12.67	91	117318	16.902	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	148773	18.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18753	15.125	ug/l	93
82) 4-Chlorotoluene	12.77	91	118920	16.733	ug/l	96
83) tert-Butylbenzene	12.99	119	128915	18.524	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	149345	18.277	ug/l	100
85) sec-Butylbenzene	13.17	105	170198	18.385	ug/l	99
86) p-Isopropyltoluene	13.28	119	157808	18.822	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78336	17.839	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76591	17.299	ug/l	98
89) n-Butylbenzene	13.61	91	132976	16.917	ug/l	99
90) Hexachloroethane	13.87	117	29144	18.389	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	78468	18.119	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11831	13.044	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
Data File : VN059689.D
Acq On : 13 Jan 2020 14:30
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 14 08:38:32 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

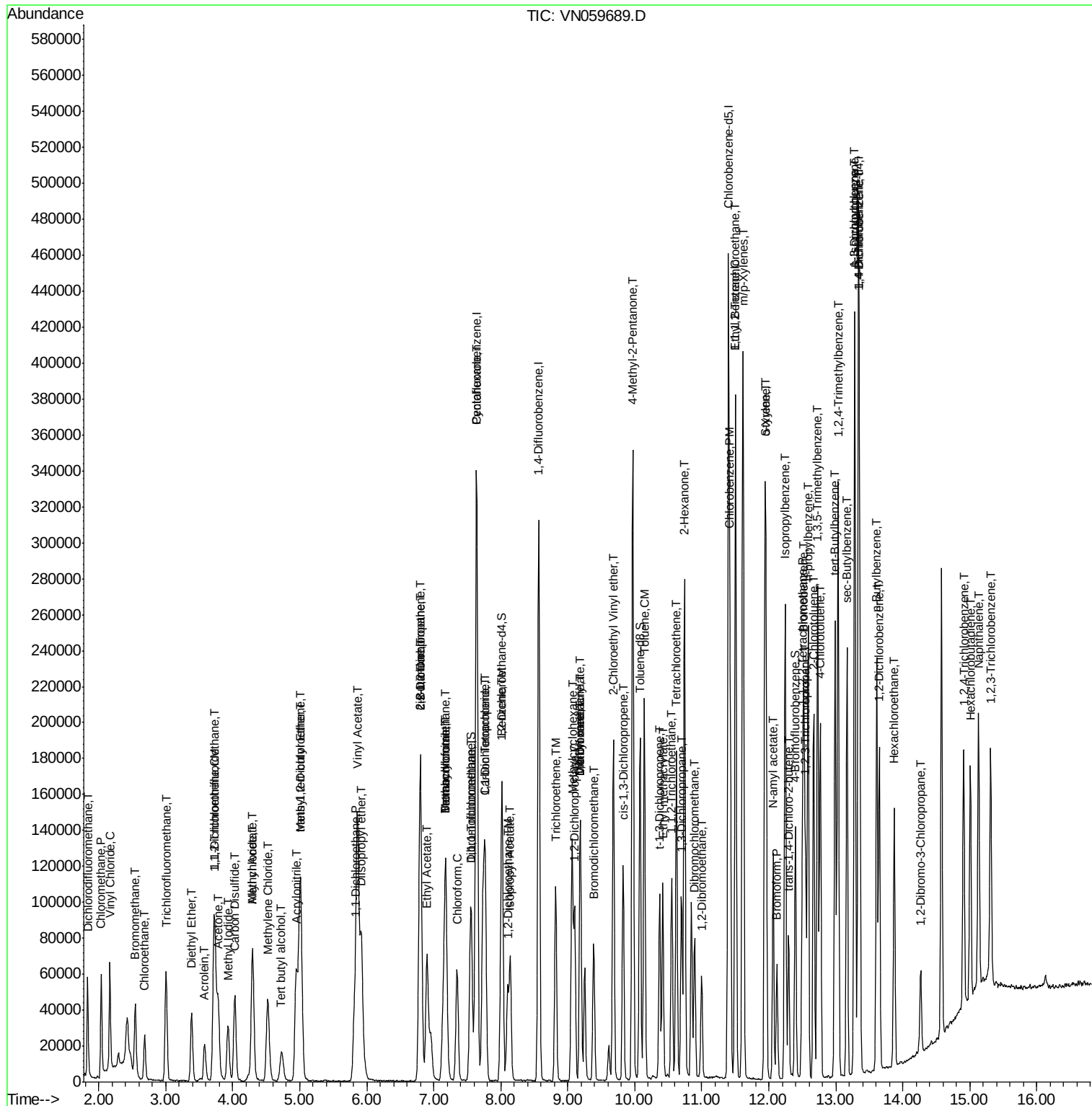
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47703	17.058	ug/l	99
94) Hexachlorobutadiene	15.01	225	26330	17.582	ug/l	98
95) Naphthalene	15.13	128	134020	16.053	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46342	16.384	ug/l	99

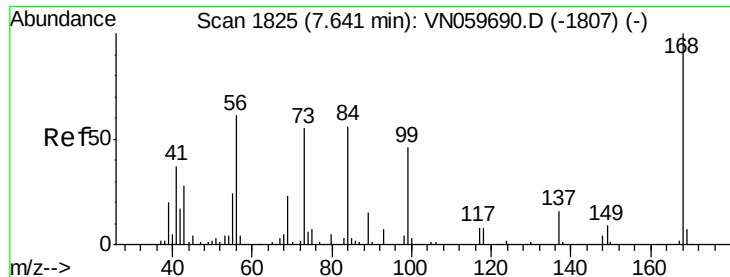
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059689.D
 Acq On : 13 Jan 2020 14:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 14 08:38:32 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

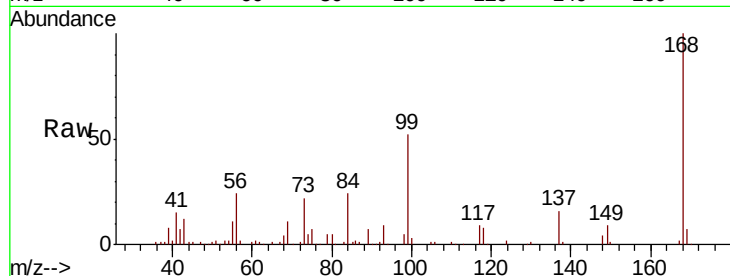
VSTDIC020

Tot Ion:168 Resp: 188473

Ion Ratio Lower Upper

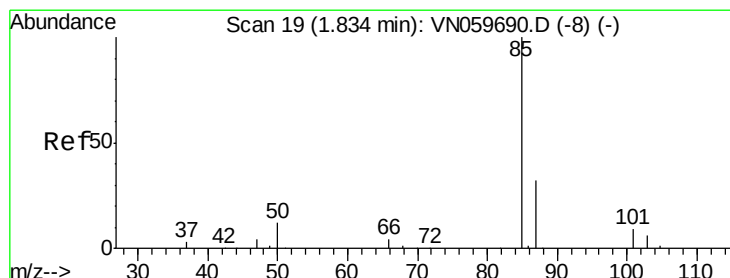
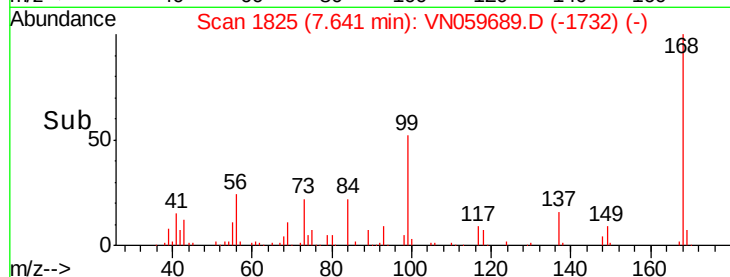
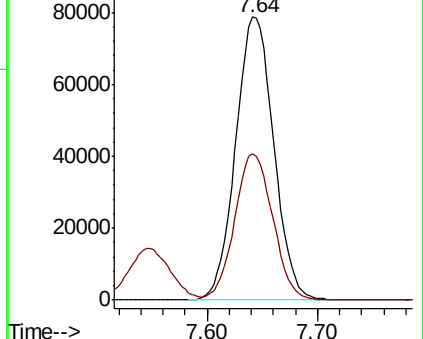
168 100

99 51.9 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: 18.181 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059689.D

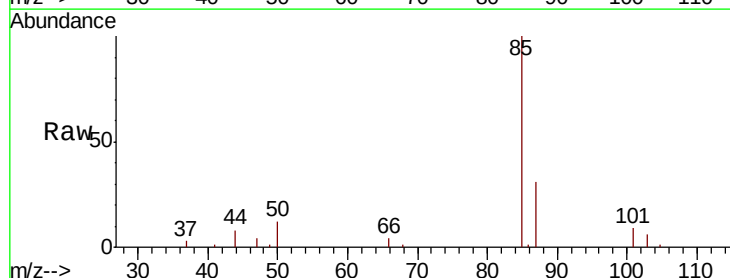
Acq: 13 Jan 2020 14:30

Tgt Ion: 85 Resp: 44278

Ion Ratio Lower Upper

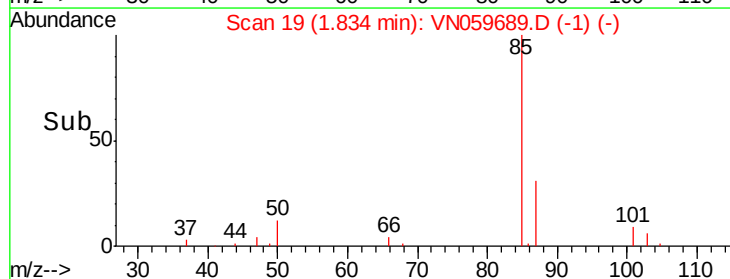
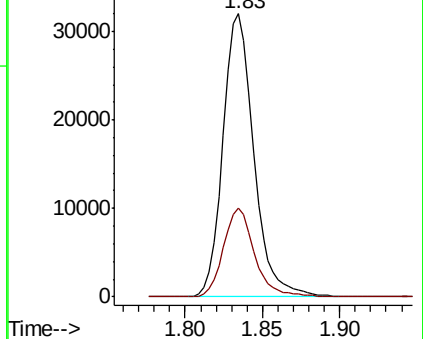
85 100

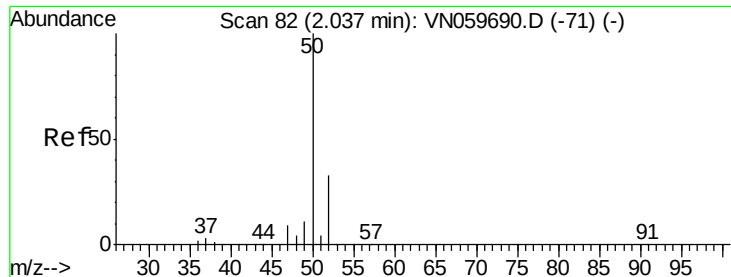
87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 11.343 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

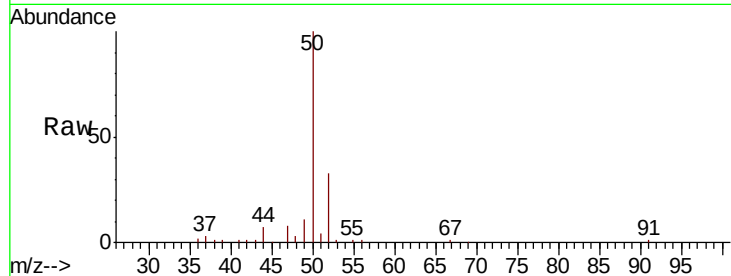
VSTDIC020

Tot Ion: 50 Resp: 43840

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN059689.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059689.D (-71) (-)

2.04

30000

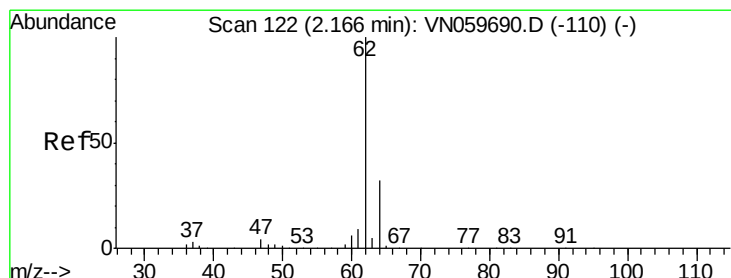
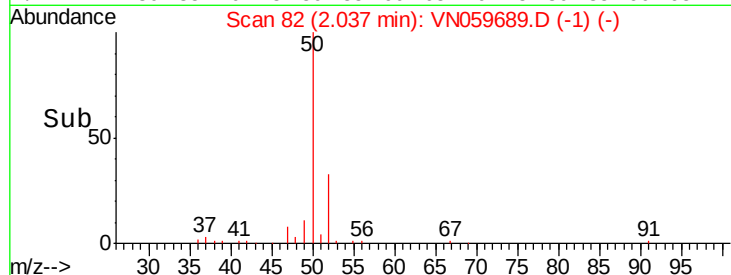
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 14.028 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059689.D

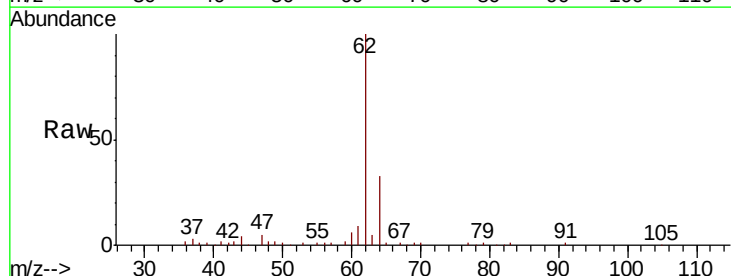
Acq: 13 Jan 2020 14:30

Tgt Ion: 62 Resp: 51414

Ion Ratio Lower Upper

62 100

64 33.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059689.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059689.D (-110) (-)

2.17

40000

30000

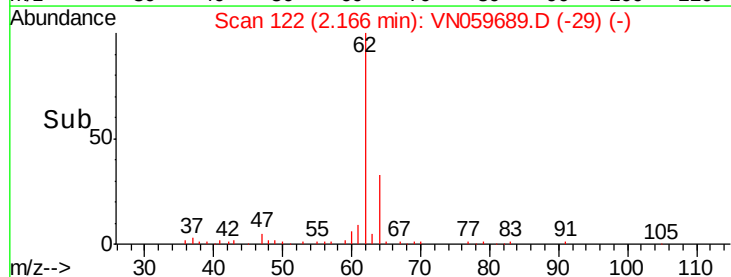
20000

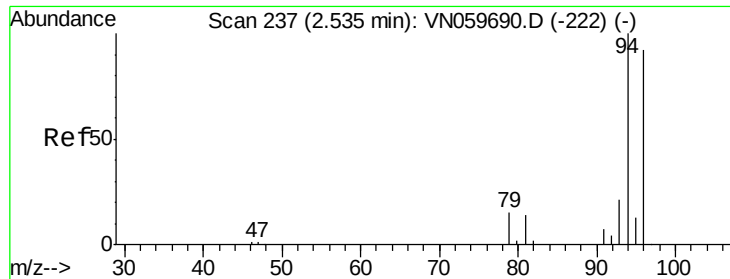
10000

0

Time-->

2.10 2.15 2.20 2.25

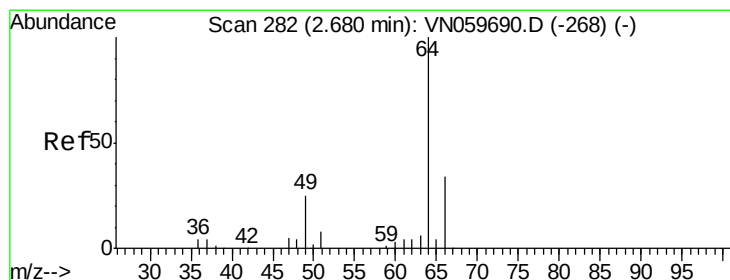
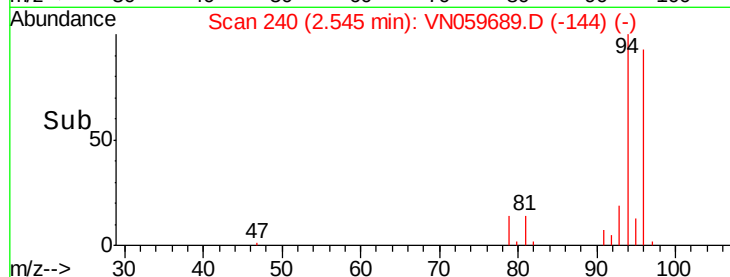
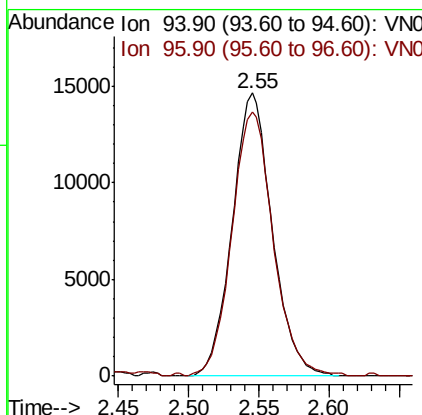
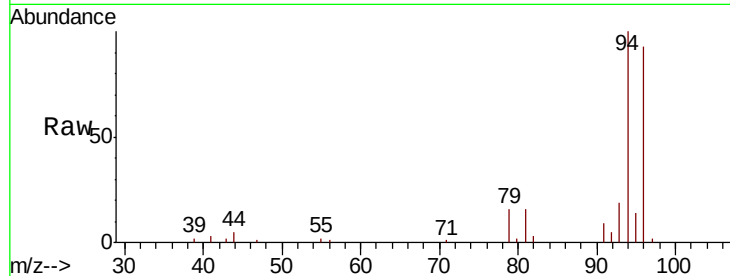




#5
Bromomethane
Concen: 13.633 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

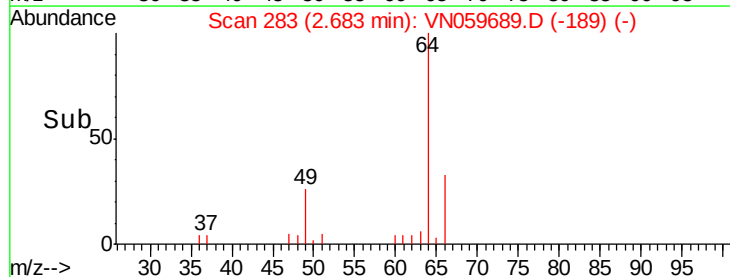
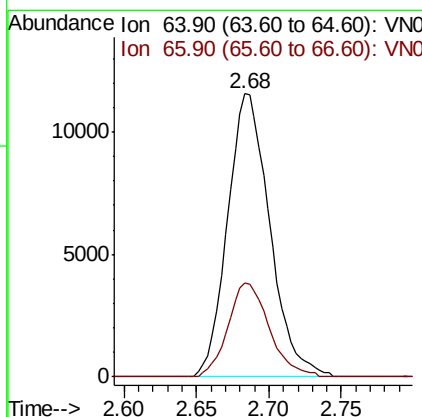
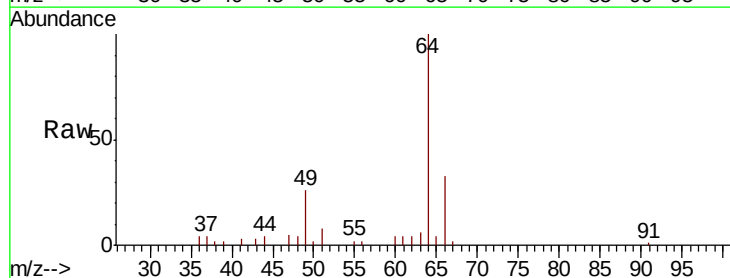
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

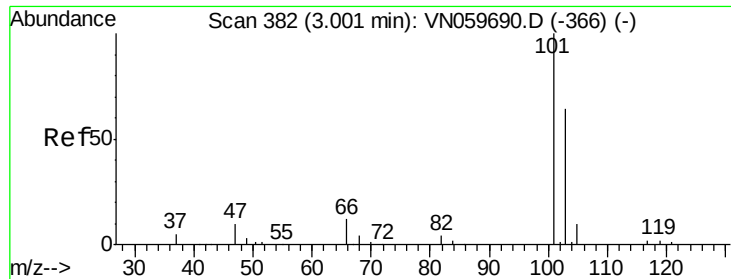
Tot Ion: 94 Resp: 29047
Ion Ratio Lower Upper
94 100
96 93.4 74.7 112.1



#6
Chloroethane
Concen: 11.320 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 64 Resp: 23318
Ion Ratio Lower Upper
64 100
66 33.2 25.1 37.7



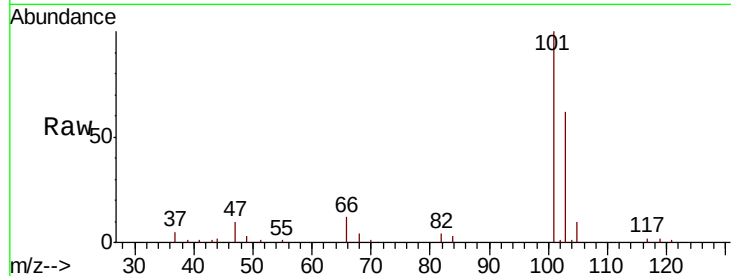


#7

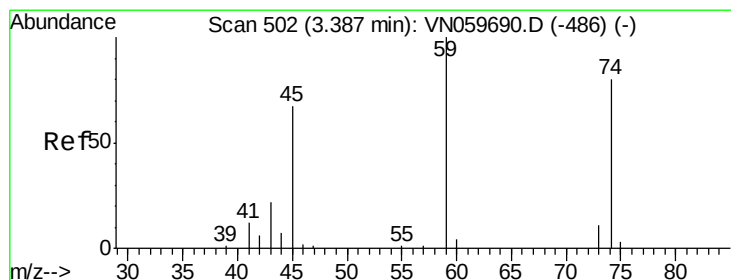
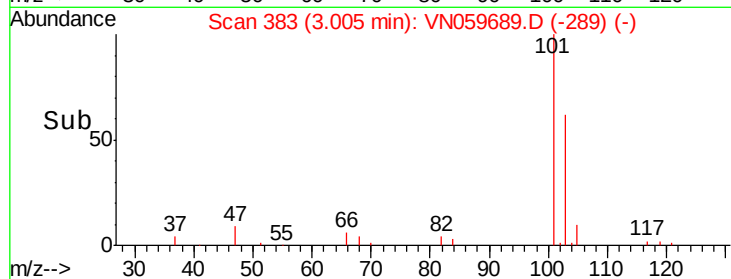
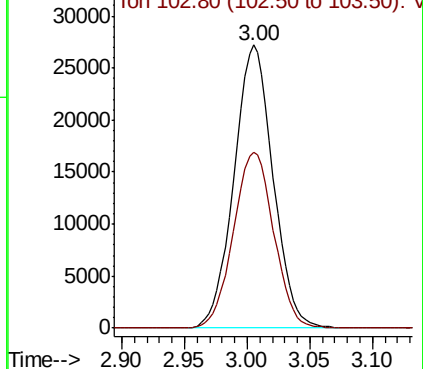
Trichlorofluoromethane
Concen: 14.637 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 58860
Ion Ratio Lower Upper
101 100
103 62.2 51.0 76.6



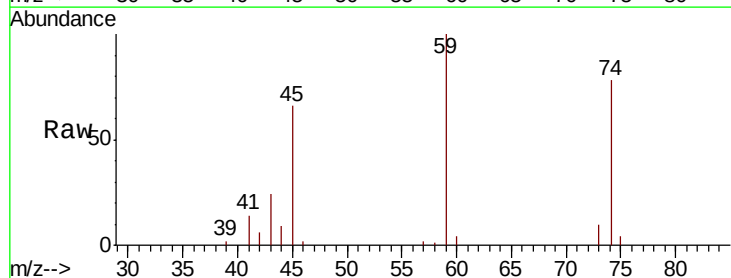
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



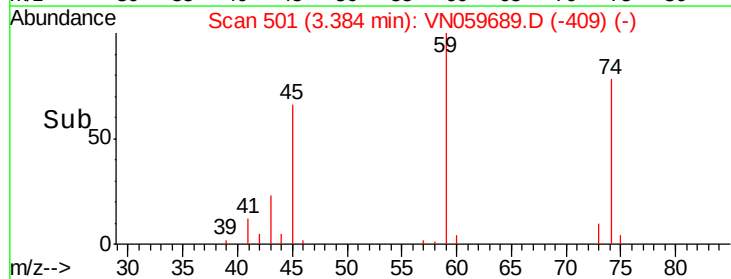
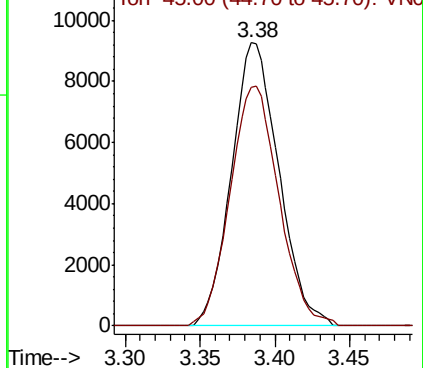
#8

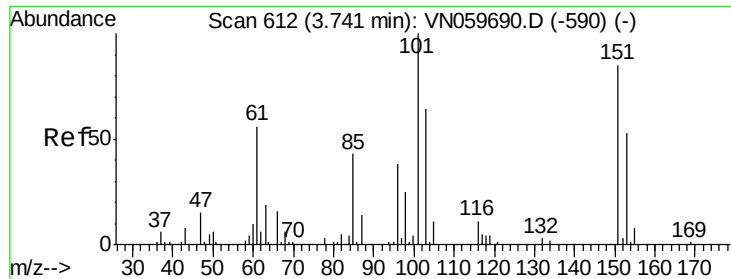
Diethyl Ether
Concen: 16.269 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 74 Resp: 20441
Ion Ratio Lower Upper
74 100
45 87.1 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.910 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

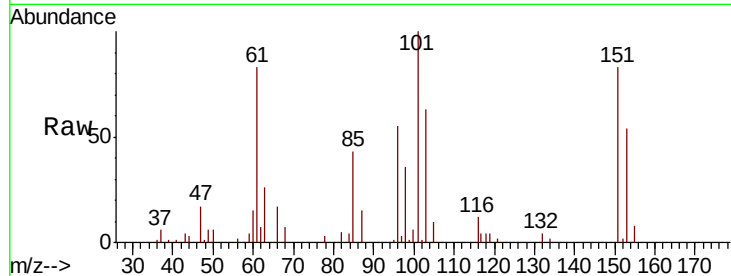
Tot Ion:101 Resp: 32241

Ion Ratio Lower Upper

101 100

85 45.1 36.6 54.8

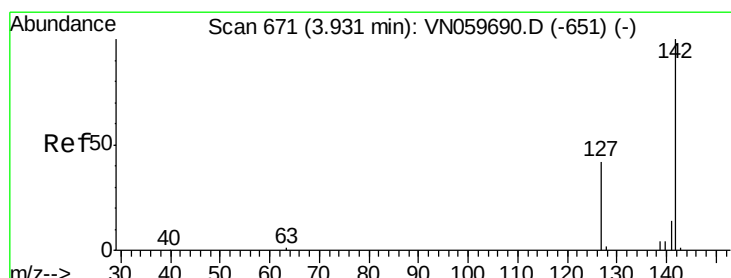
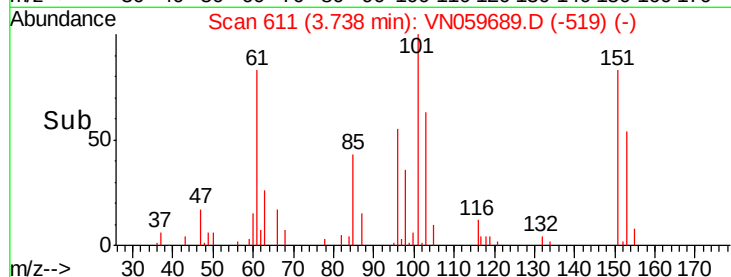
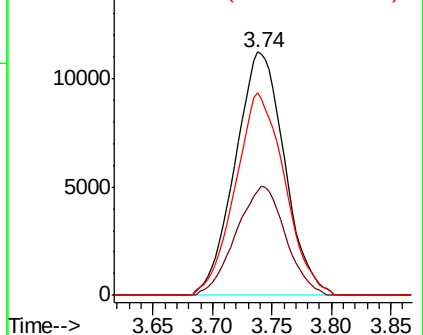
151 83.5 59.7 89.5



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: 18.713 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

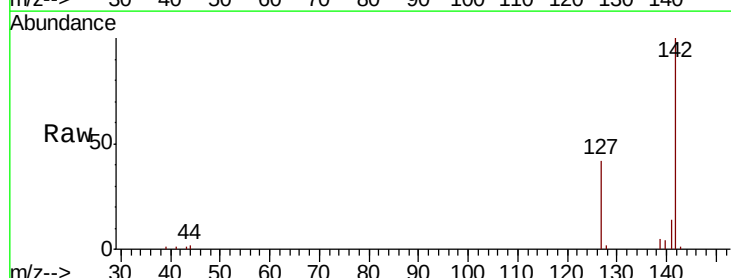
Tgt Ion:142 Resp: 50203

Ion Ratio Lower Upper

142 100

127 41.0 36.7 55.1

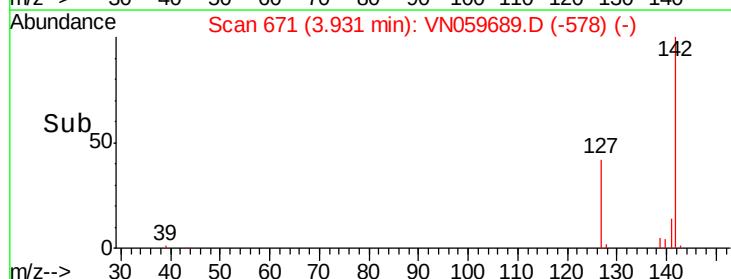
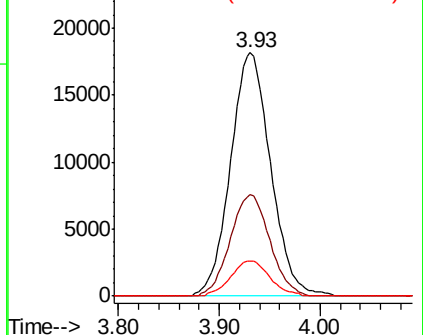
141 14.1 11.7 17.5

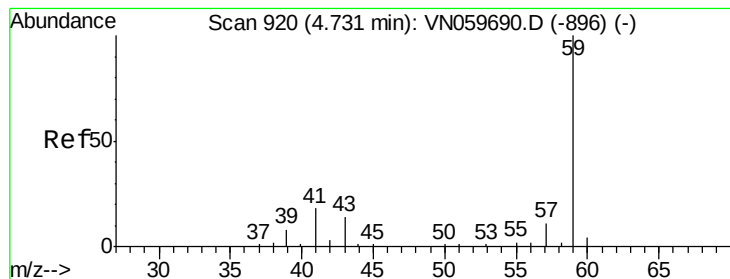


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 68.158 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampled :

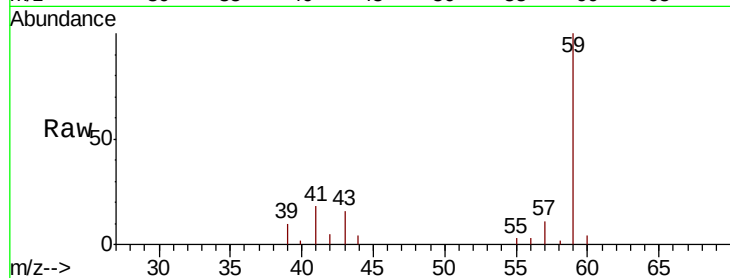
VSTDIC020

Tot Ion: 59 Resp: 34270

Ion Ratio Lower Upper

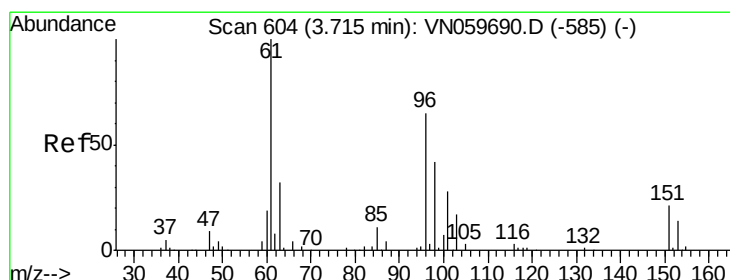
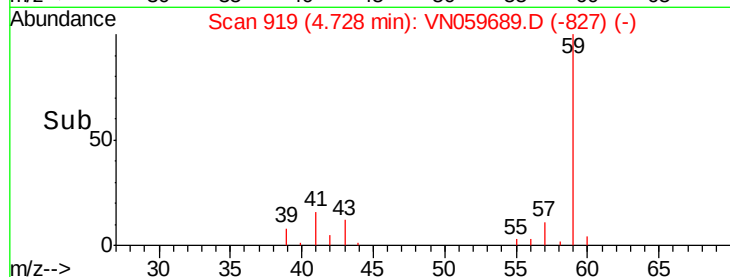
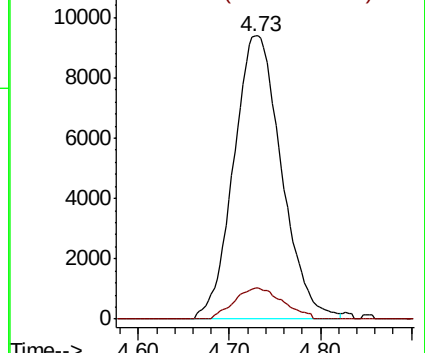
59 100

57 11.3 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 16.660 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

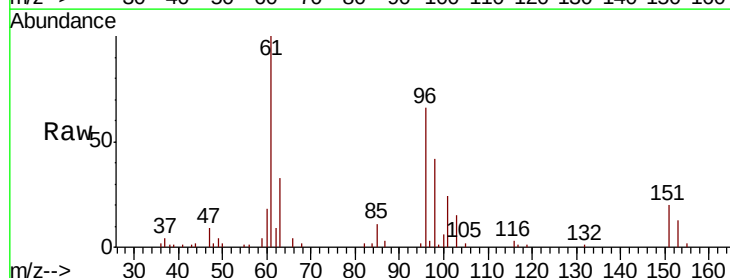
Tgt Ion: 96 Resp: 32935

Ion Ratio Lower Upper

96 100

61 151.9 137.5 206.3

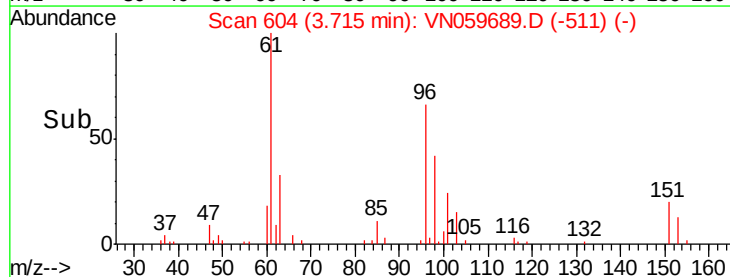
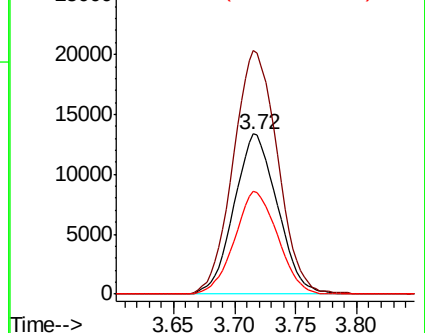
98 64.0 50.2 75.4

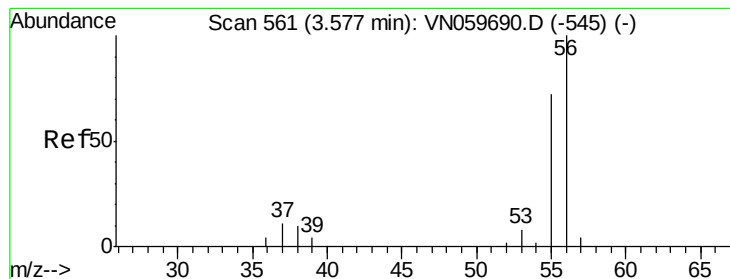


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 65.967 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

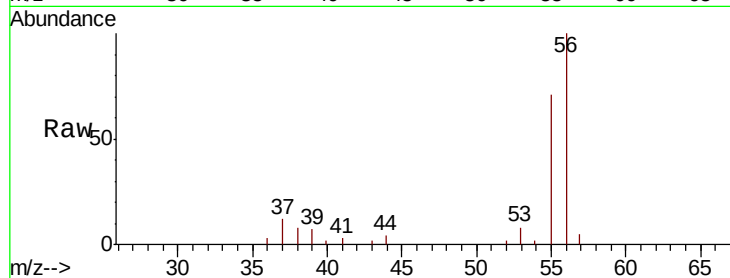
VSTDIC020

Tot Ion: 56 Resp: 23627

Ion Ratio Lower Upper

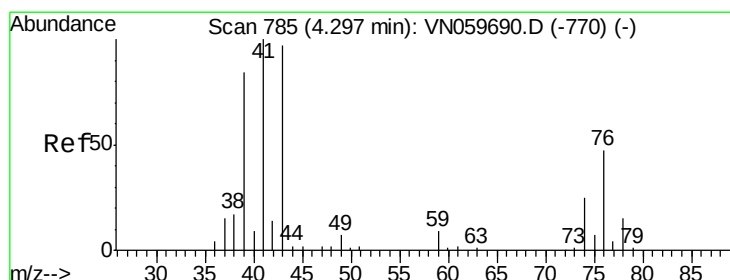
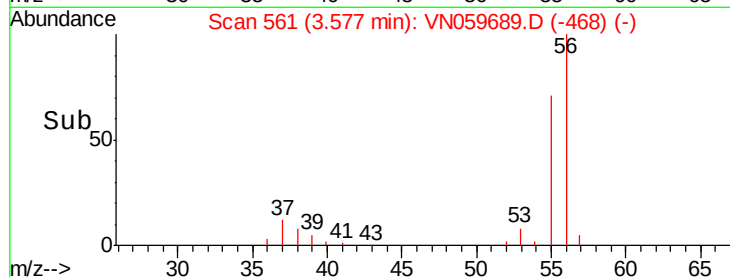
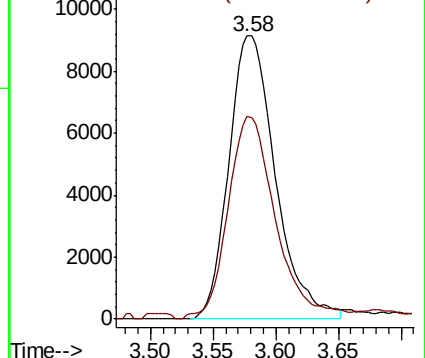
56 100

55 73.4 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: 11.068 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

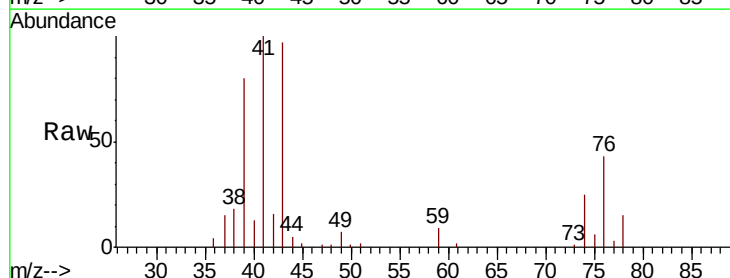
Tgt Ion: 41 Resp: 44915

Ion Ratio Lower Upper

41 100

39 81.6 57.8 86.8

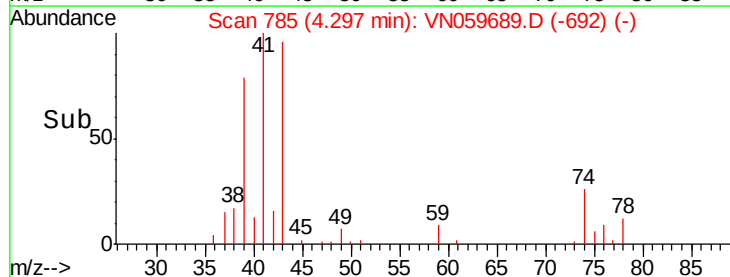
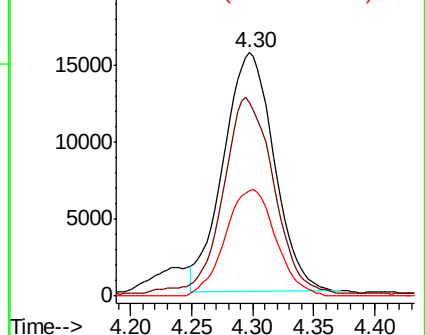
76 44.2 25.4 38.0#

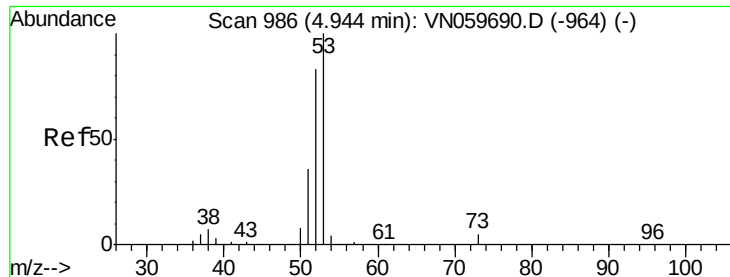


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 65.504 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

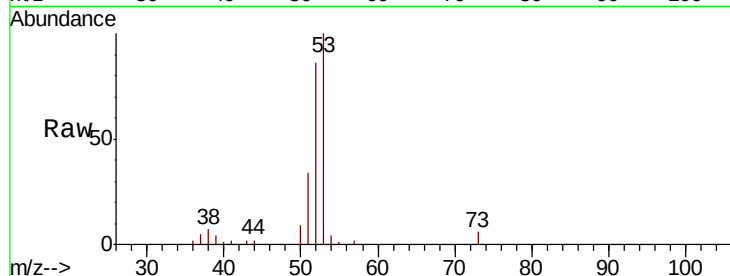
Tot Ion: 53 Resp: 79667

Ion Ratio Lower Upper

53 100

52 83.6 66.3 99.5

51 36.7 29.7 44.5

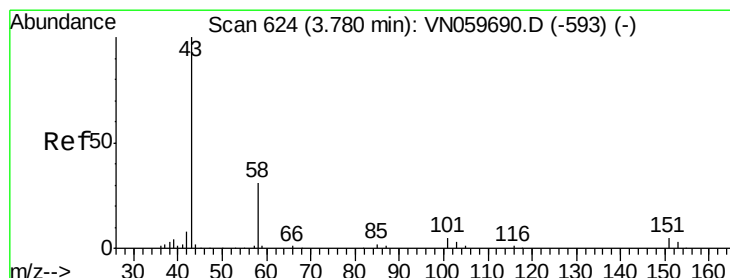
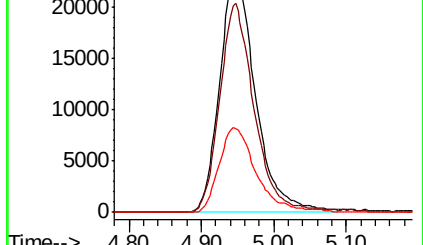
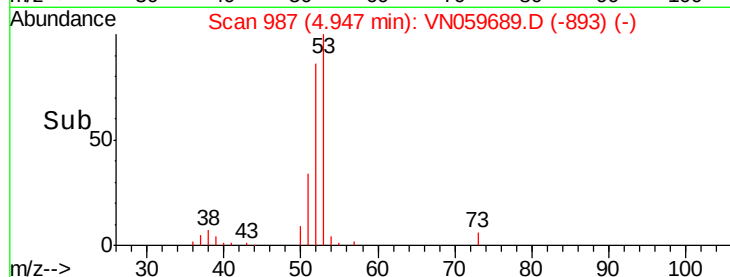


Abundance Ion 53.00 (52.70 to 53.70): VN059689.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN059689.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN059689.D (-893) (-)

Time-->



#16

Acetone

Concen: 42.883 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN059689.D

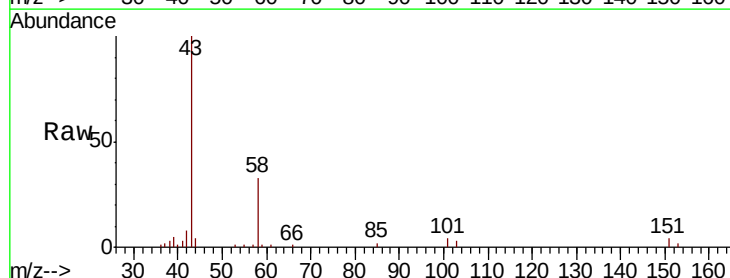
Acq: 13 Jan 2020 14:30

Tgt Ion: 43 Resp: 69825

Ion Ratio Lower Upper

43 100

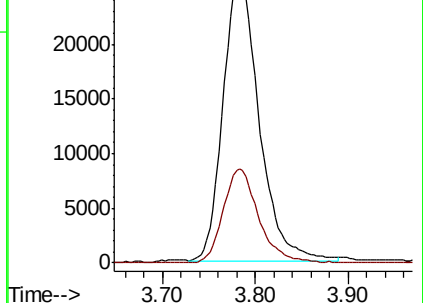
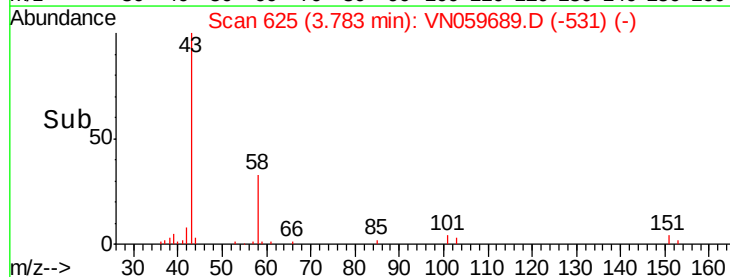
58 33.5 23.6 35.4

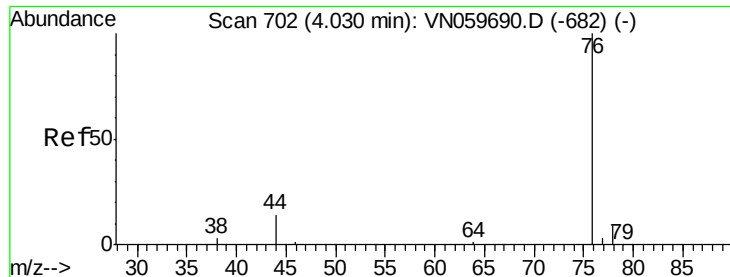


Abundance Ion 43.00 (42.70 to 43.70): VN059689.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059689.D (-531) (-)

Time-->

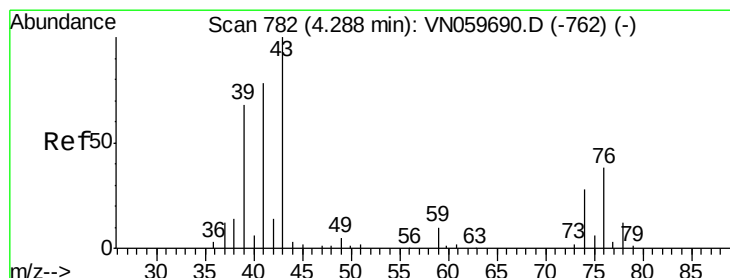
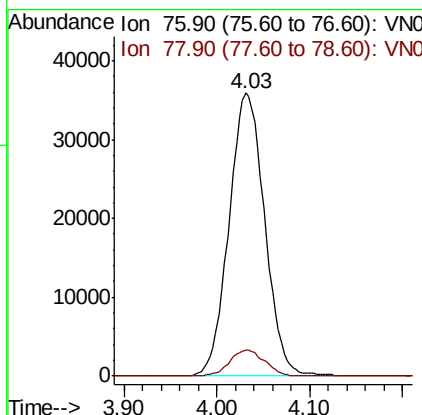
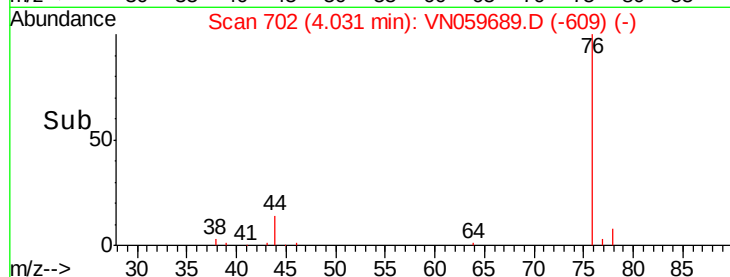
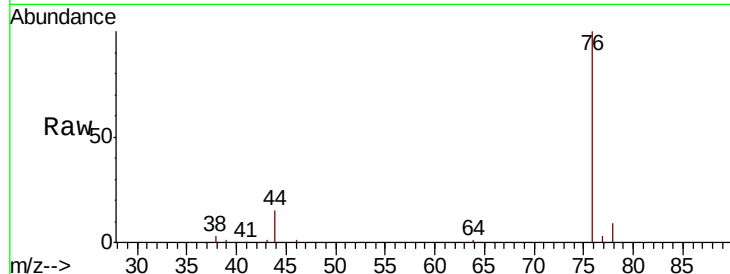




#17
Carbon Disulfide
Concen: 14.106 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

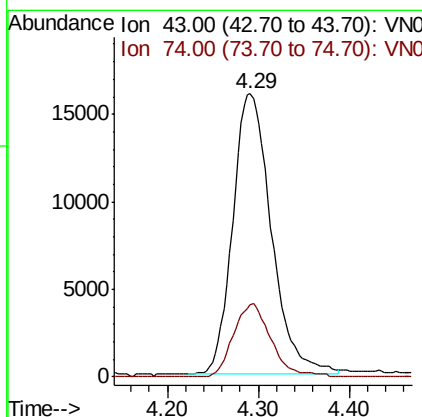
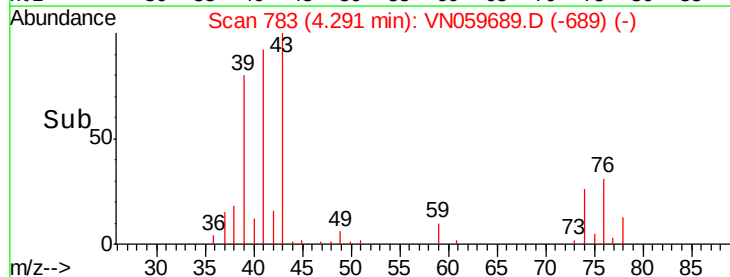
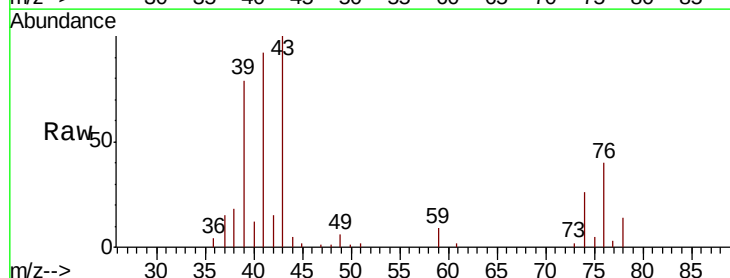
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

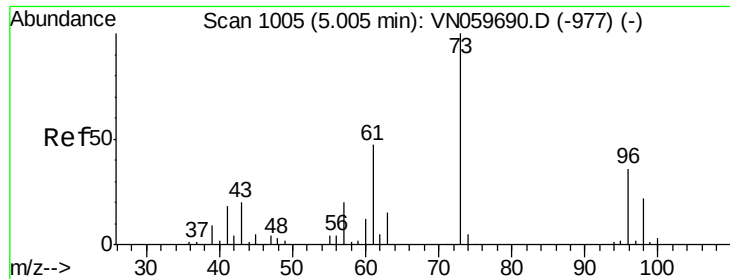
Tot Ion: 76 Resp: 95751
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 13.820 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 43 Resp: 47152
Ion Ratio Lower Upper
43 100
74 25.4 17.5 26.3

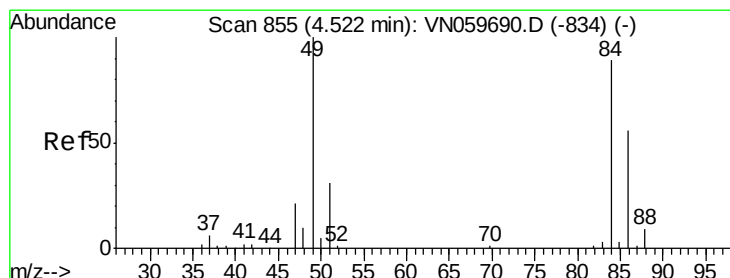
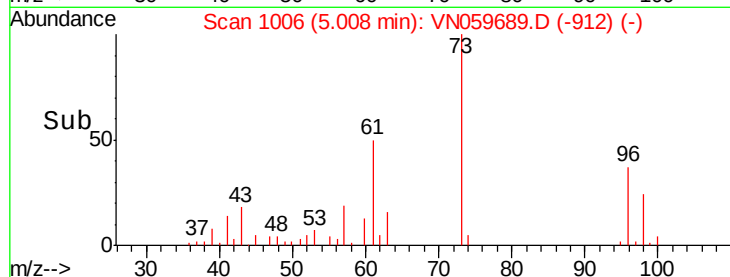
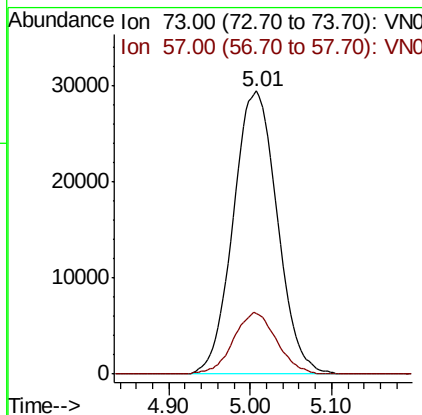
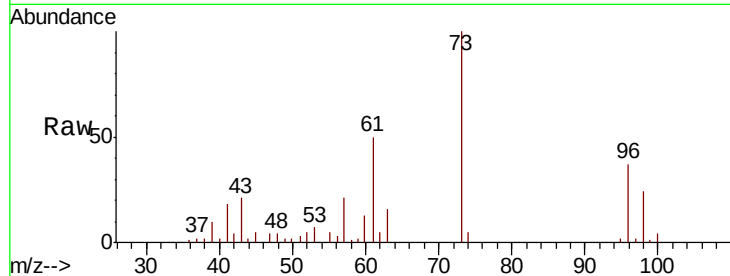




#19
Methyl tert-butyl Ether
Concen: 15.800 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

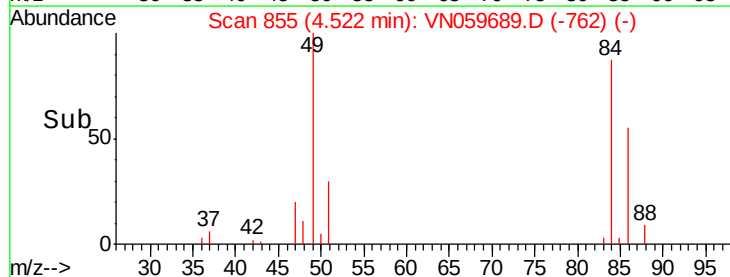
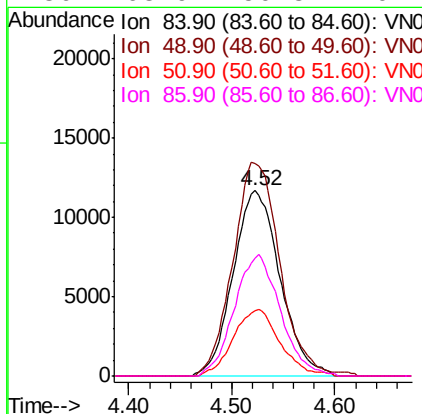
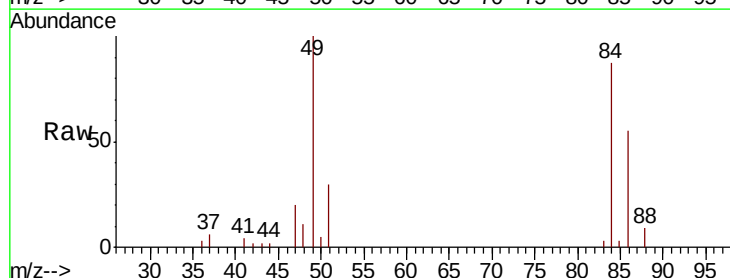
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

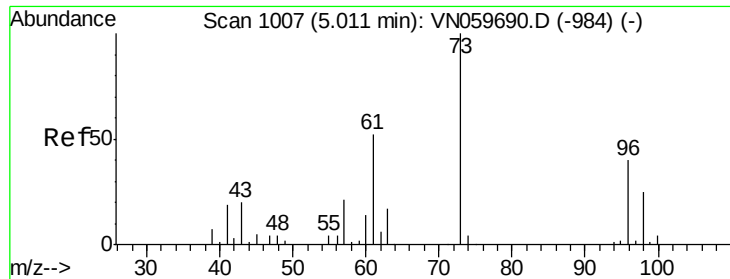
Tot Ion: 73 Resp: 110280
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8



#20
Methylene Chloride
Concen: 15.727 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 84 Resp: 36985
Ion Ratio Lower Upper
84 100
49 115.1 106.6 160.0
51 35.0 31.9 47.9
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 16.274 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

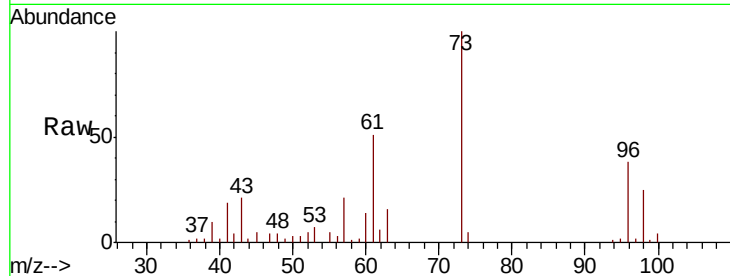
Tot Ion: 96 Resp: 35865

Ion Ratio Lower Upper

96 100

61 134.5 120.4 180.6

98 64.4 50.6 75.8

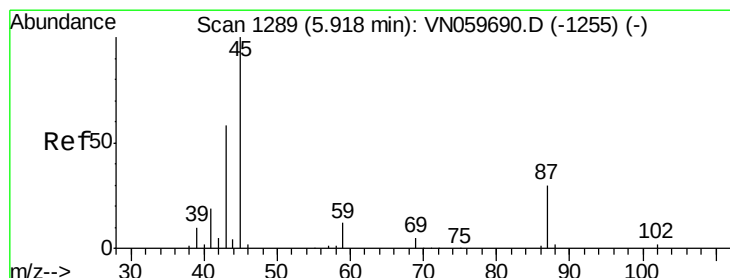
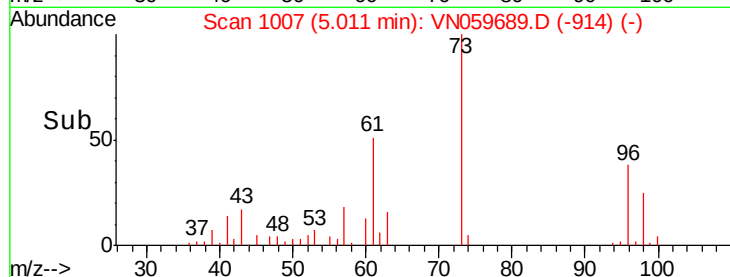
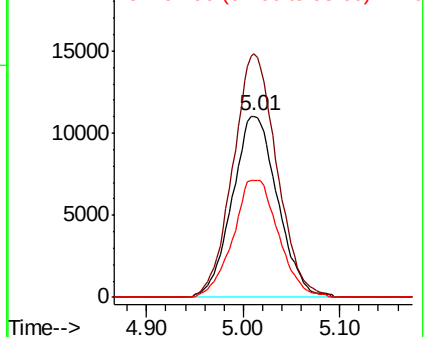


Abundance

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



#22

Diisopropyl ether

Concen: 13.871 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion: 45 Resp: 103778

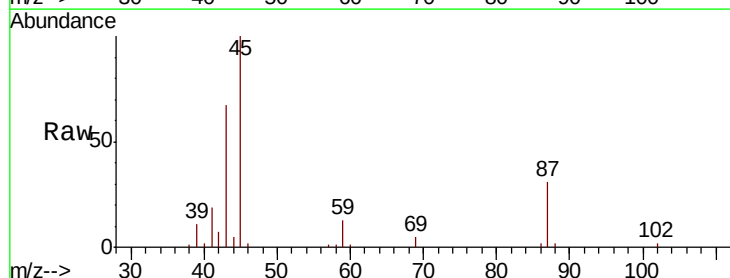
Ion Ratio Lower Upper

45 100

43 65.3 50.8 76.2

87 30.9 21.0 31.6

59 12.8 9.1 13.7



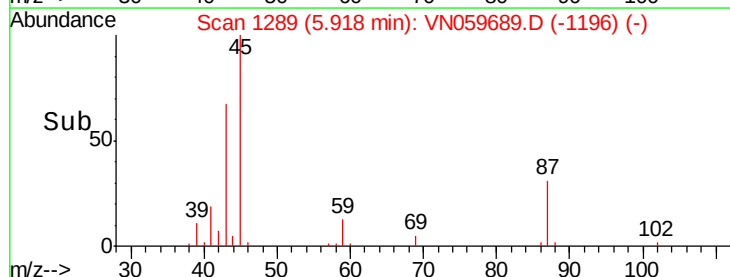
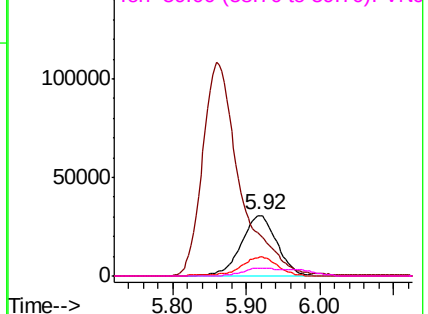
Abundance

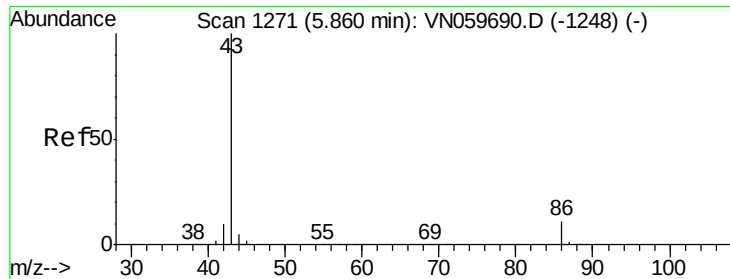
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

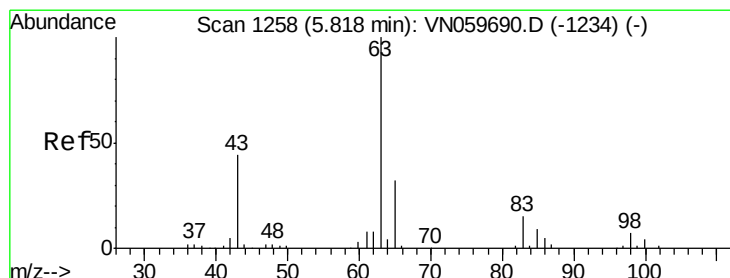
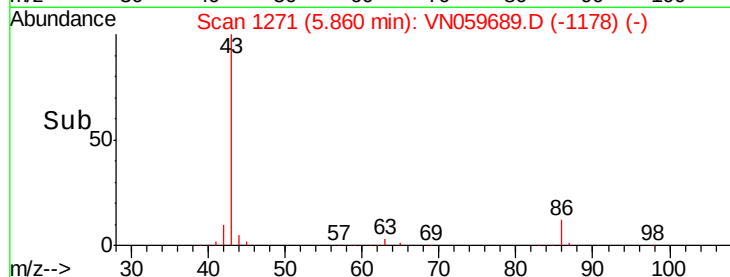
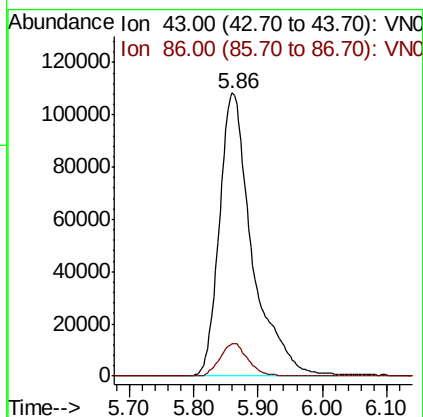
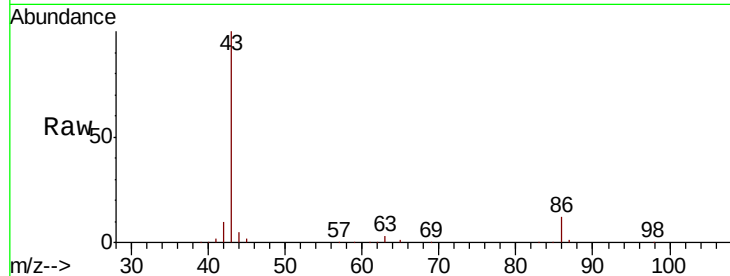




#23
 Vinyl Acetate
 Concen: 65.282 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

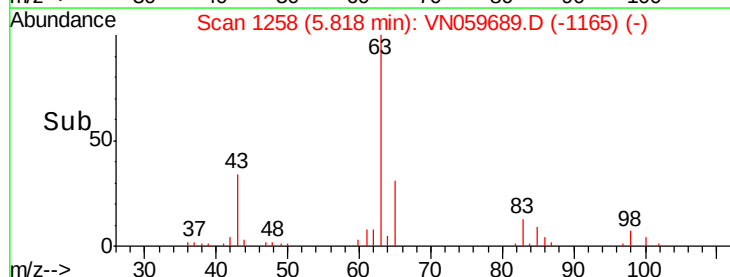
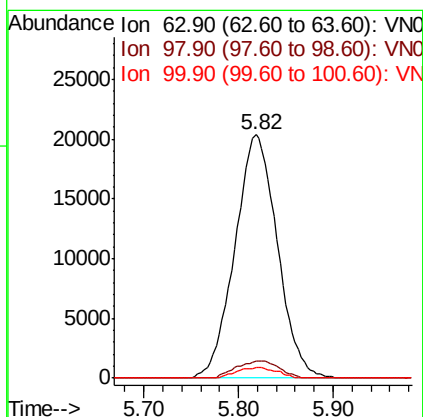
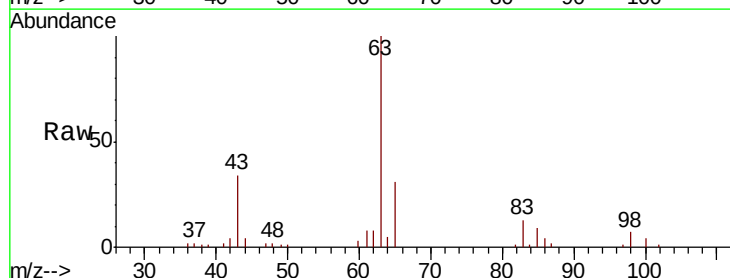
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

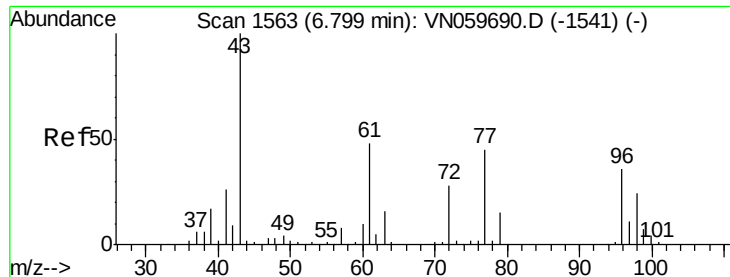
Tot Ion: 43 Resp: 383287
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.6 11.4#



#24
 1,1-Dichloroethane
 Concen: 14.991 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion: 63 Resp: 63533
 Ion Ratio Lower Upper
 63 100
 98 6.8 2.9 8.7
 100 4.2 2.0 6.0

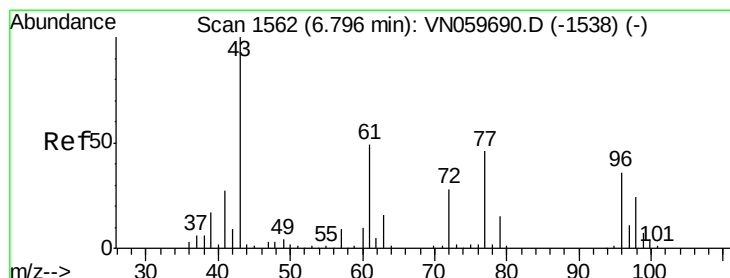
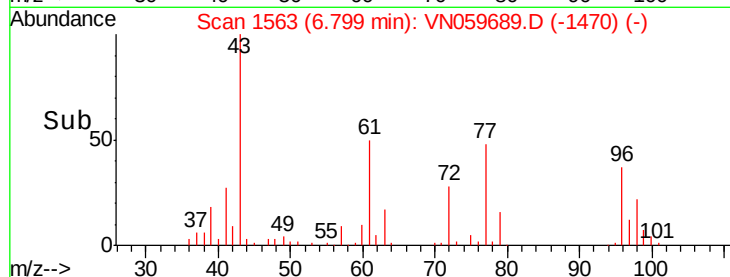
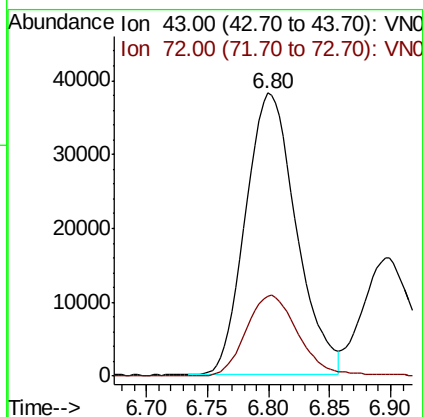
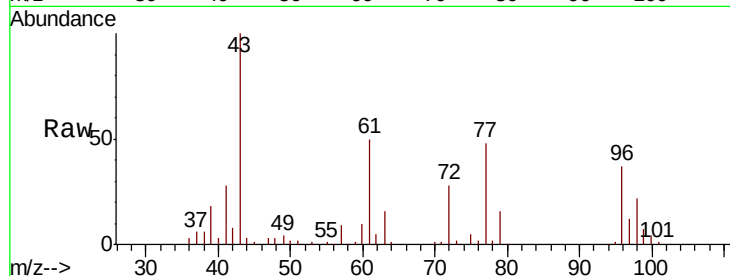




#25
2-Butanone
Concen: 56.531 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

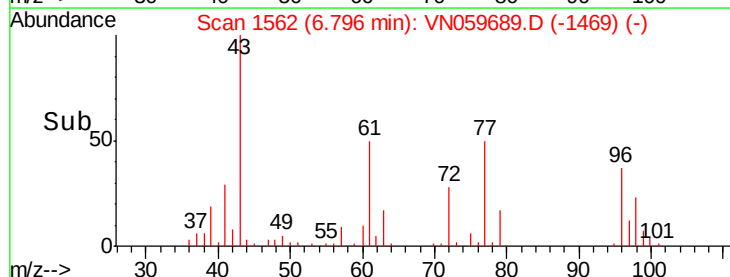
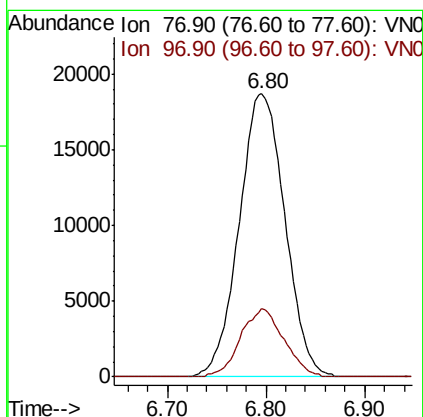
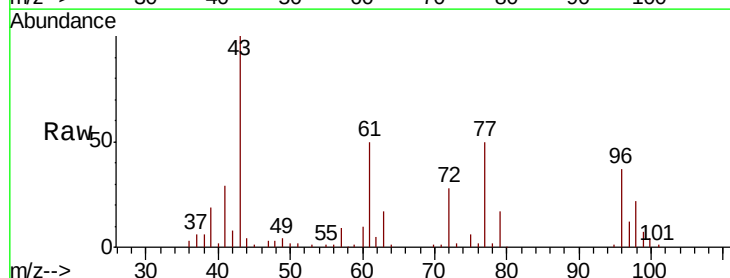
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

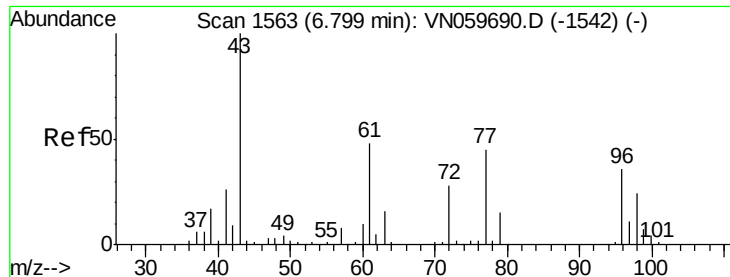
Tot Ion: 43 Resp: 110072
Ion Ratio Lower Upper
43 100
72 28.4 19.9 29.9



#26
2,2-Dichloropropane
Concen: 15.583 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 77 Resp: 60022
Ion Ratio Lower Upper
77 100
97 22.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.022 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

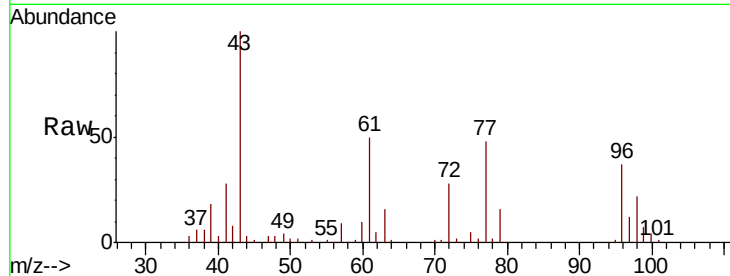
Tot Ion: 96 Resp: 41568

Ion Ratio Lower Upper

96 100

61 137.3 0.0 317.6

98 62.7 0.0 127.0

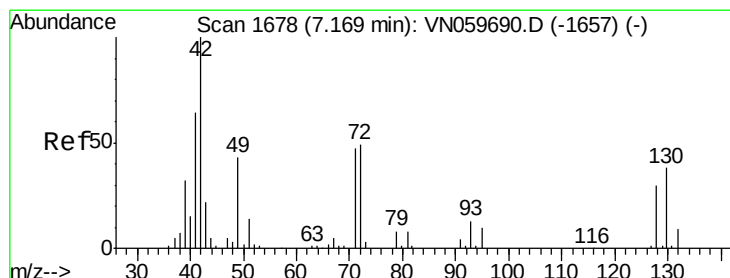
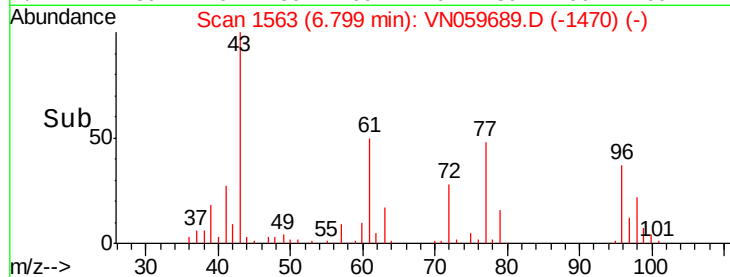
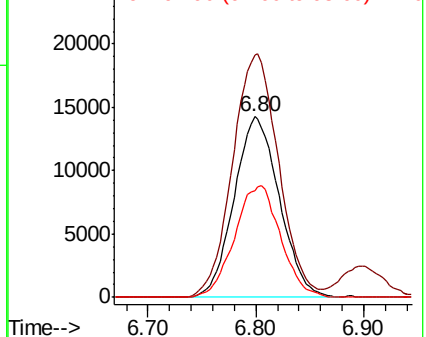


Abundance

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: 16.675 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

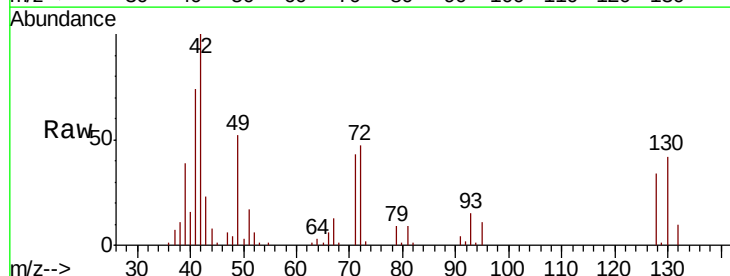
Tgt Ion: 49 Resp: 24233

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.4

130 88.9 54.7 82.1#

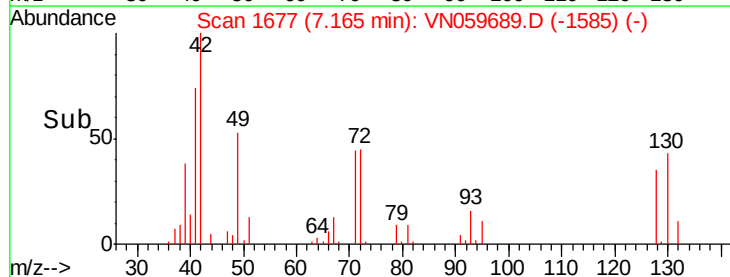
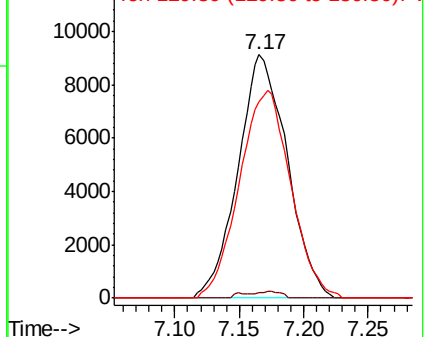


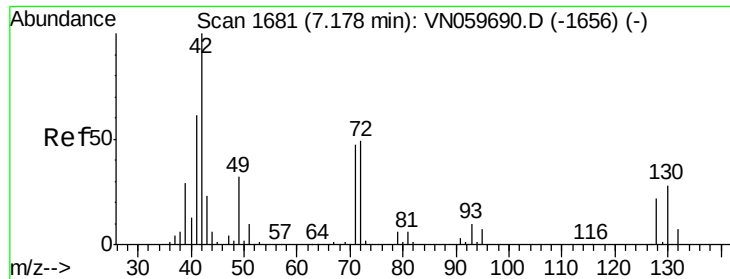
Abundance

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

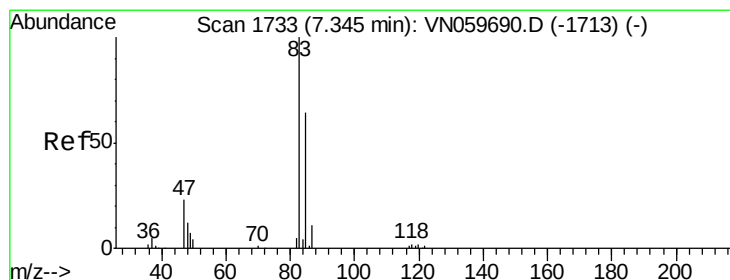
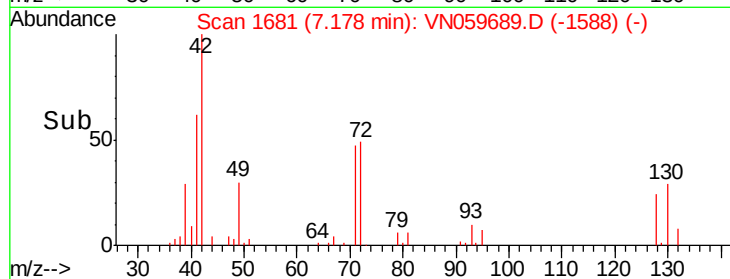
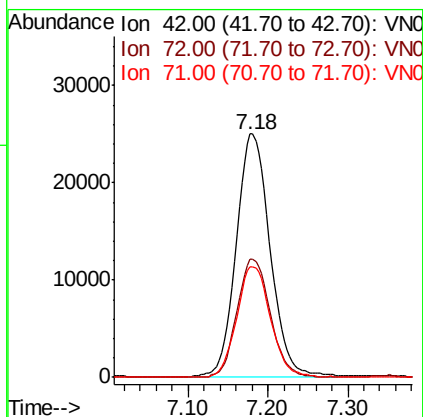
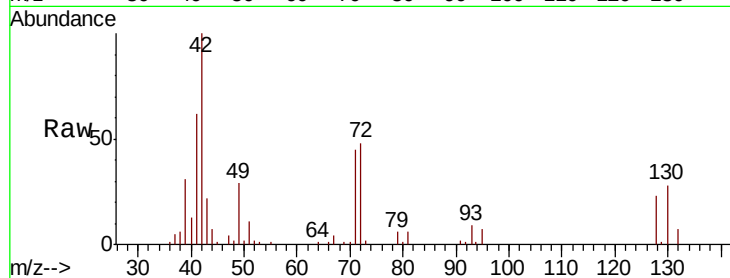




#29
Tetrahydrofuran
Concen: 60.823 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

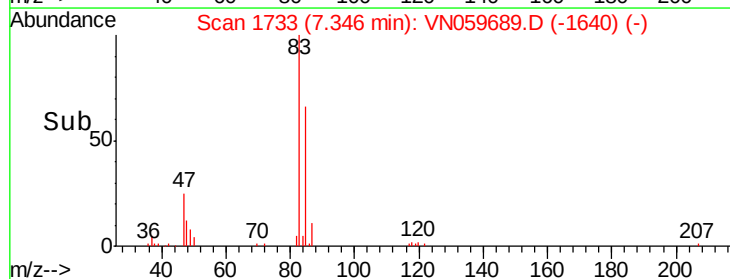
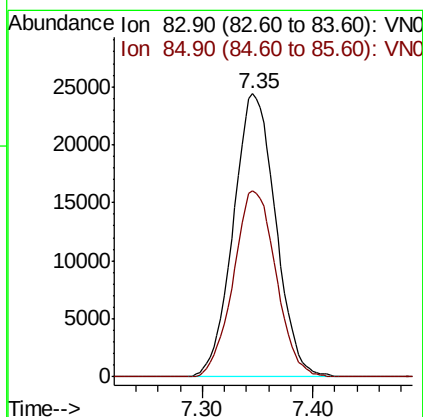
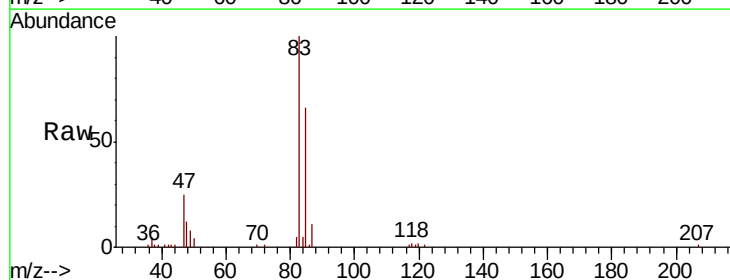
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

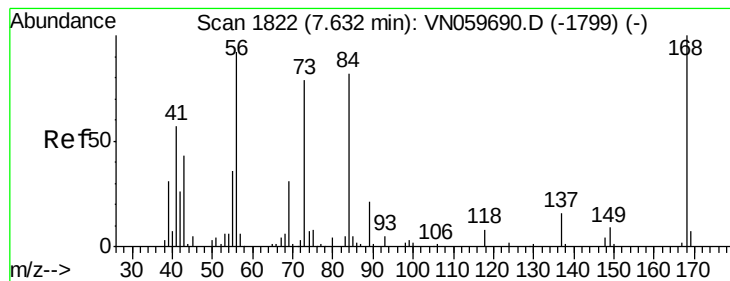
Tot Ion: 42 Resp: 72157
Ion Ratio Lower Upper
42 100
72 47.4 33.1 49.7
71 45.0 31.4 47.0



#30
Chloroform
Concen: 15.517 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 83 Resp: 64732
Ion Ratio Lower Upper
83 100
85 65.8 52.4 78.6





#31

Cyclohexane

Concen: 14.949 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

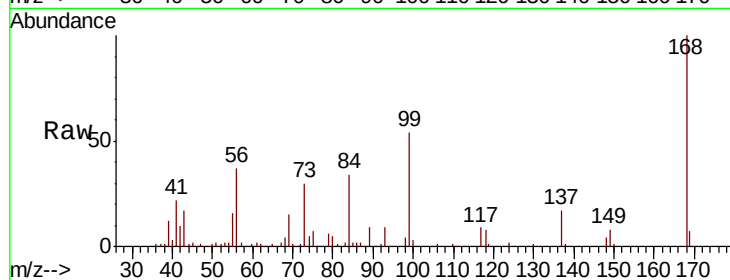
Tot Ion: 56 Resp: 59861

Ion Ratio Lower Upper

56 100

69 39.6 26.5 39.7

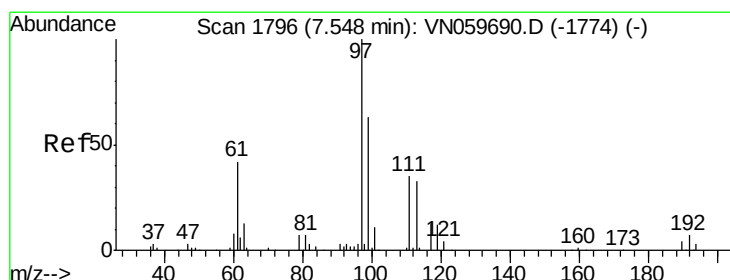
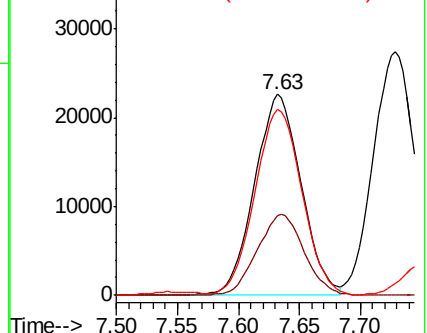
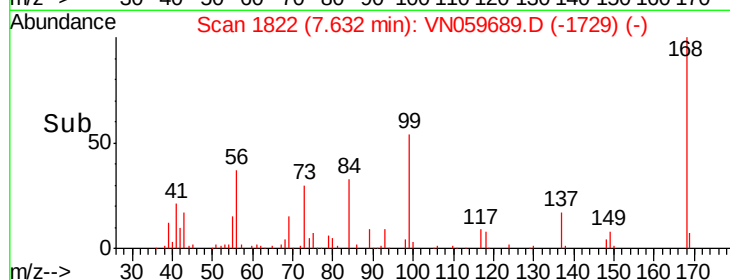
84 90.6 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN059689.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059689.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059689.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 15.996 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

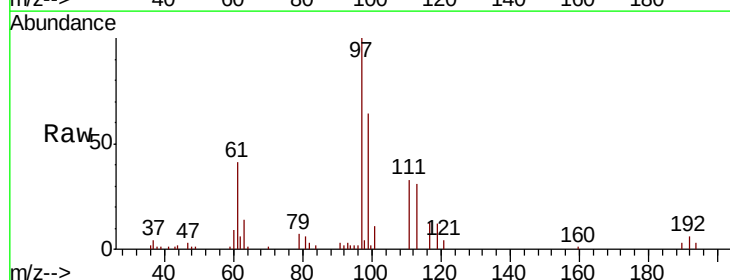
Tgt Ion: 97 Resp: 60161

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

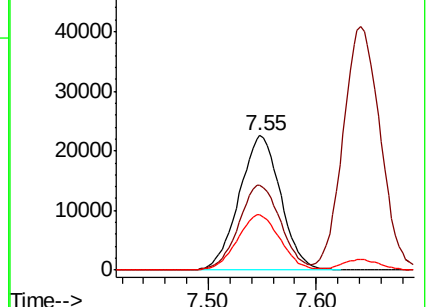
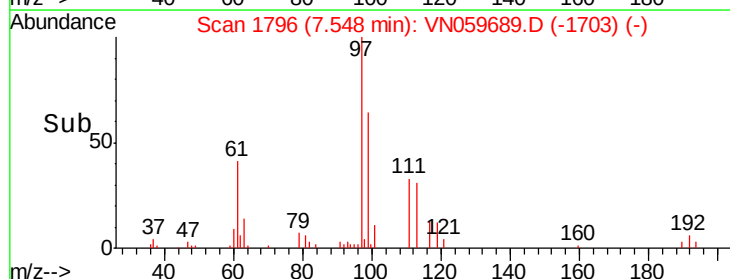
61 42.3 38.5 57.7

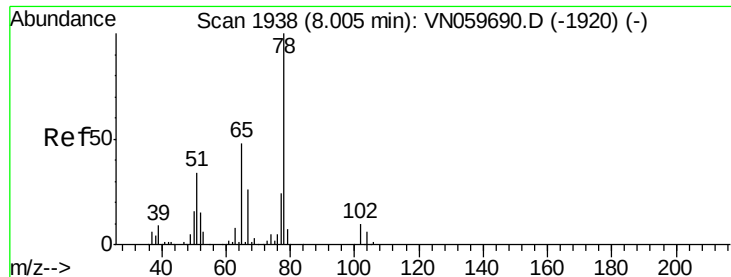


Abundance Ion 96.90 (96.60 to 97.60): VN059689.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059689.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059689.D (-1703) (-)

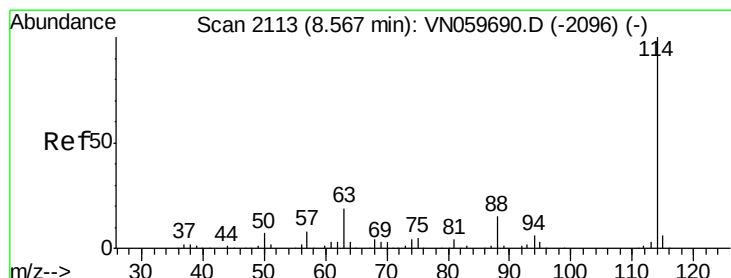
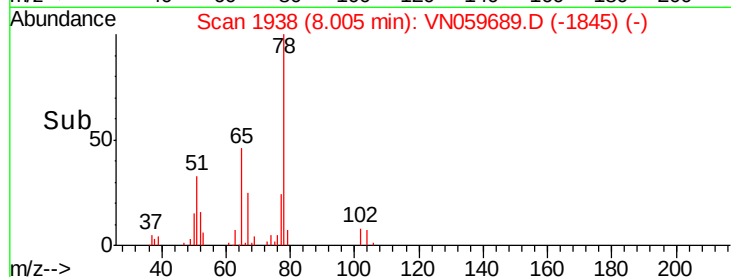
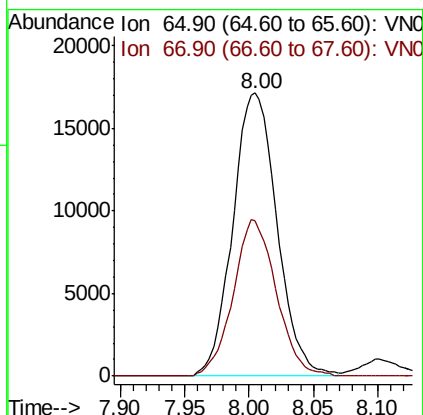
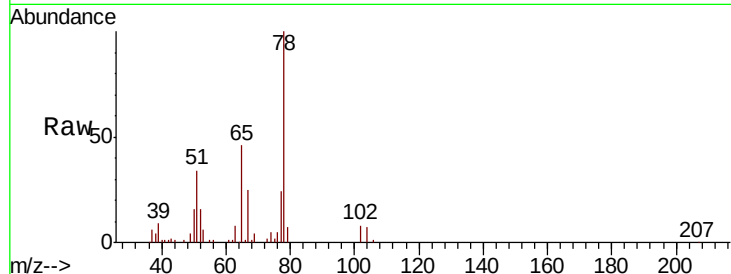




#33
 1,2-Dichloroethane-d4
 Concen: 14.934 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

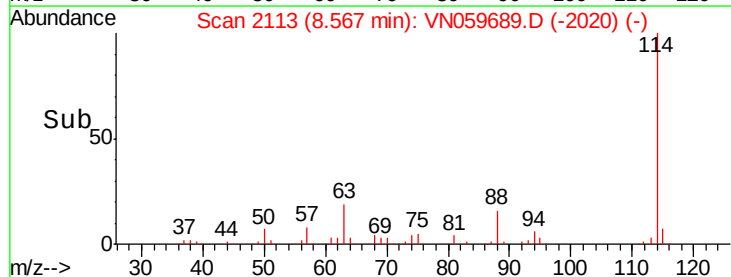
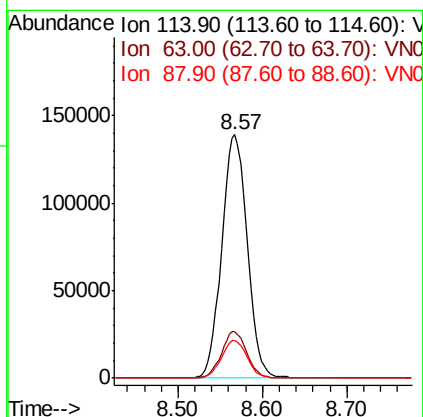
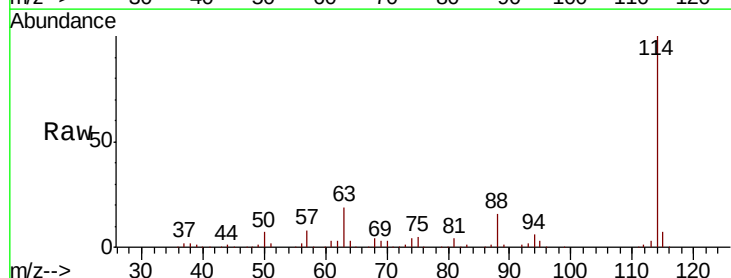
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

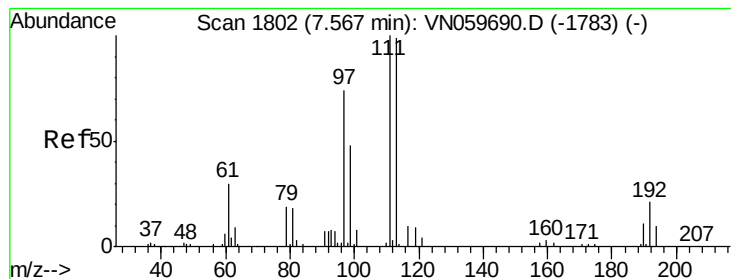
Tot Ion: 65 Resp: 40958
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion: 114 Resp: 292037
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 18.752 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

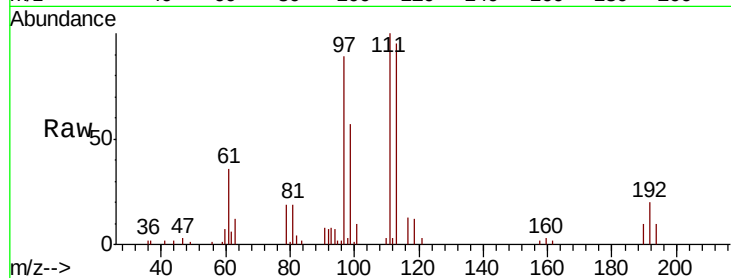
Tot Ion:113 Resp: 34264

Ion Ratio Lower Upper

113 100

111 102.7 83.5 125.3

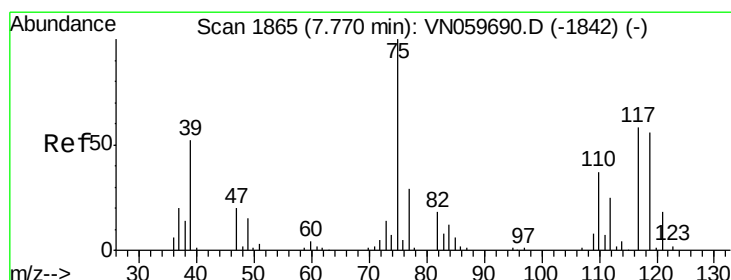
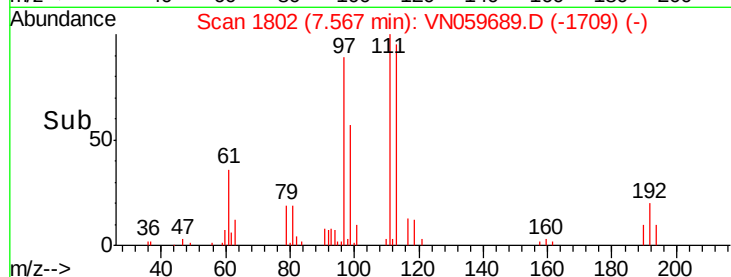
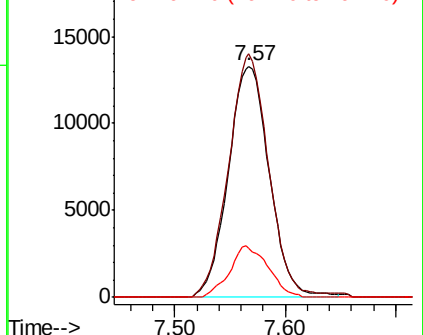
192 20.9 15.4 23.2



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: 15.913 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

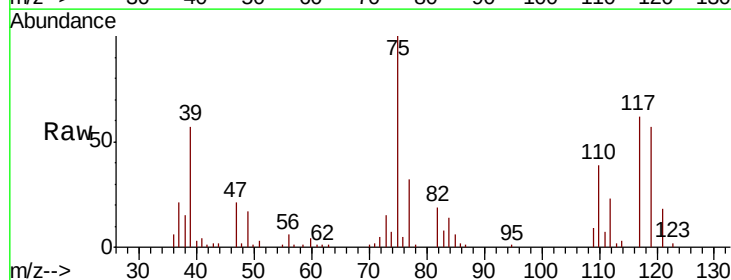
Tgt Ion: 75 Resp: 48464

Ion Ratio Lower Upper

75 100

110 38.7 16.6 49.7

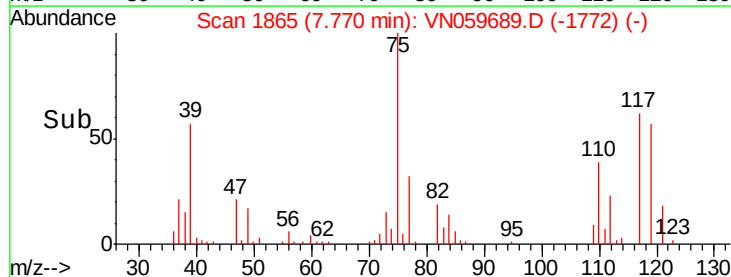
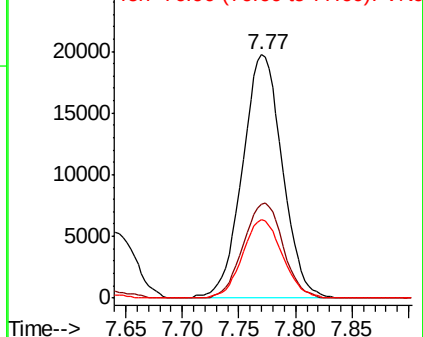
77 32.3 25.1 37.7

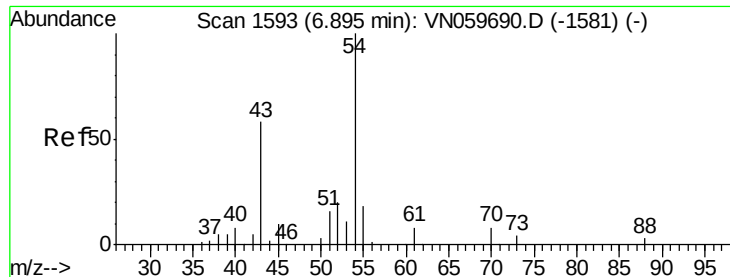


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

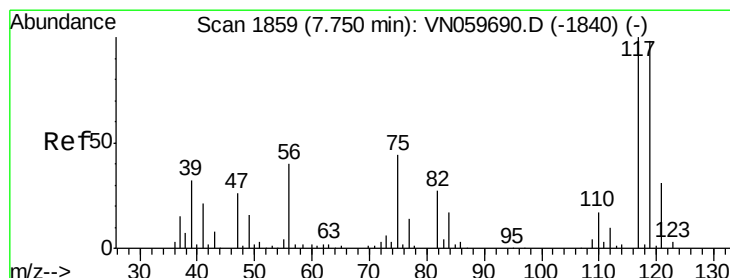
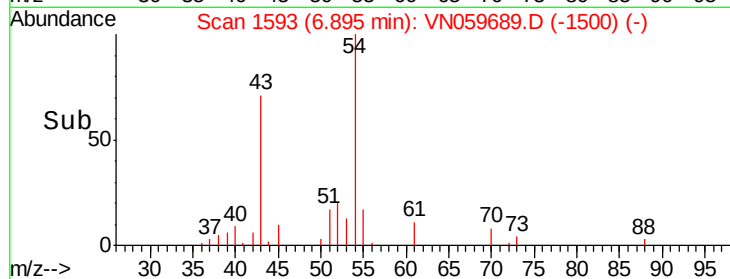
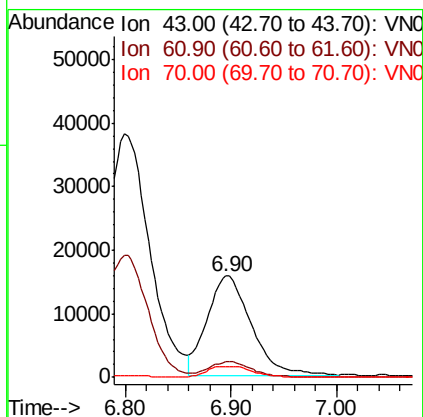
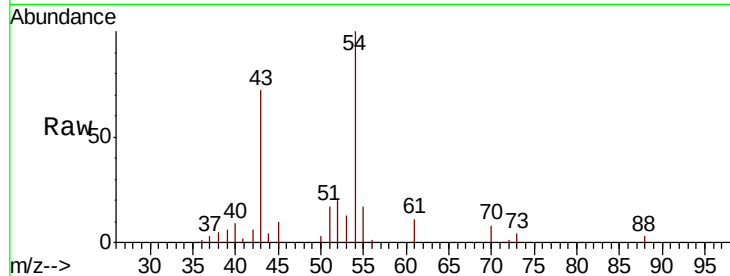




#37
Ethyl Acetate
Concen: 12.843 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

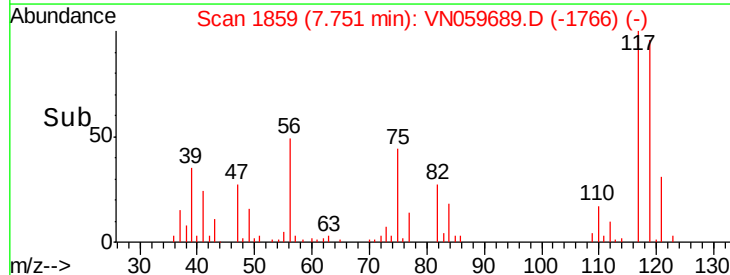
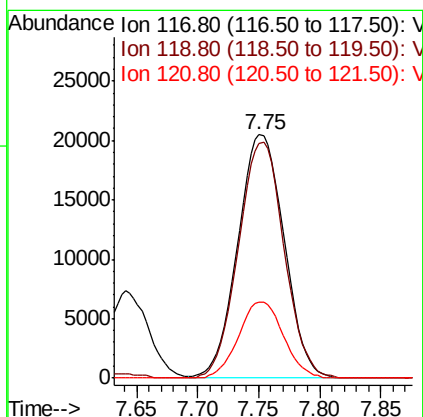
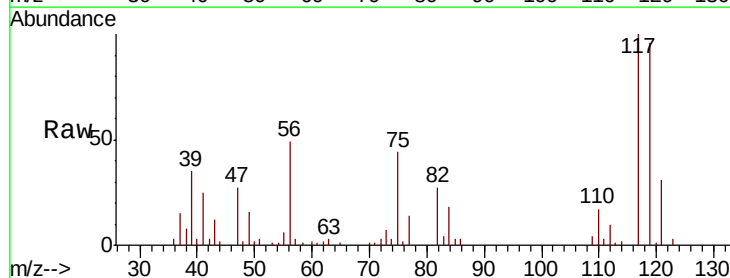
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

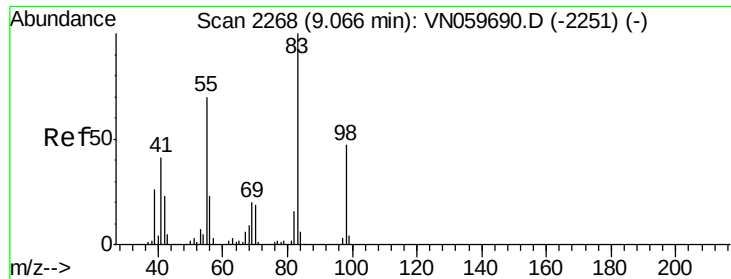
Tot Ion: 43 Resp: 45462
Ion Ratio Lower Upper
43 100
61 15.3 10.9 16.3
70 11.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 17.082 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 117 Resp: 53982
Ion Ratio Lower Upper
117 100
119 96.4 76.5 114.7
121 31.4 25.1 37.7

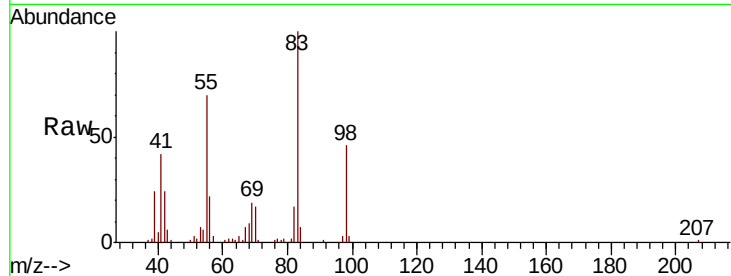




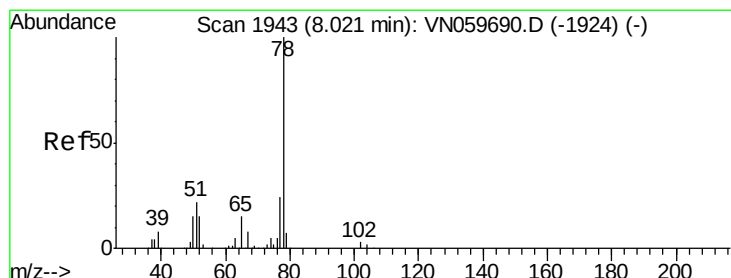
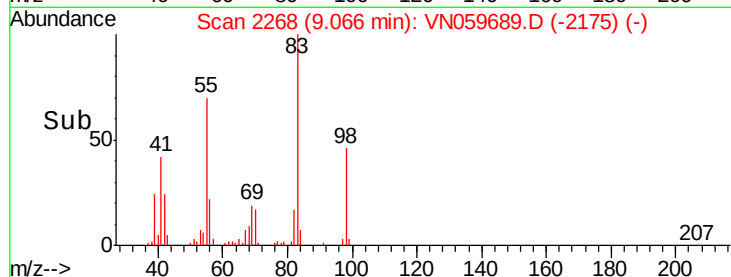
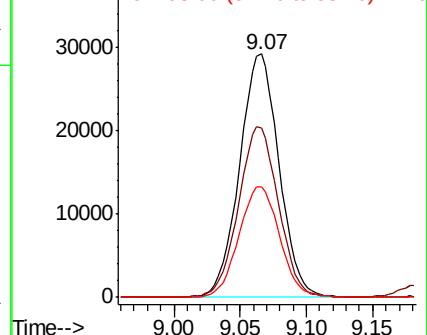
#39
Methylvlcyclohexane
Concen: 17.497 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 60443
Ion Ratio Lower Upper
83 100
55 69.8 64.2 96.2
98 45.6 35.9 53.9

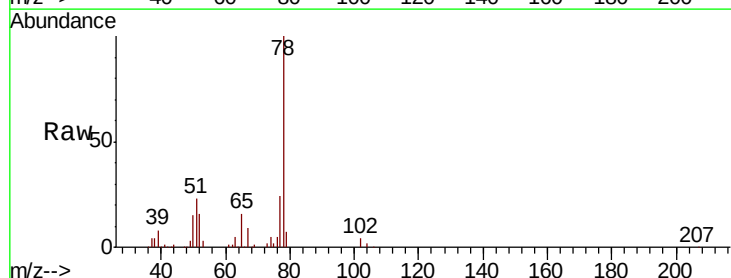


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

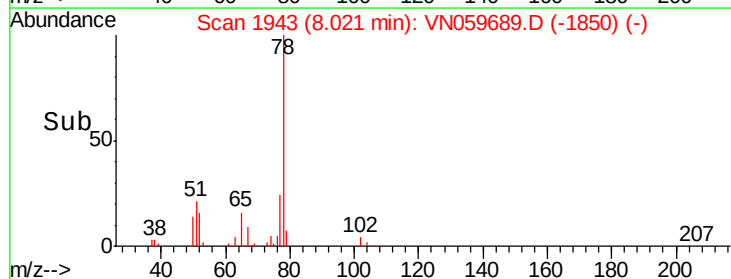
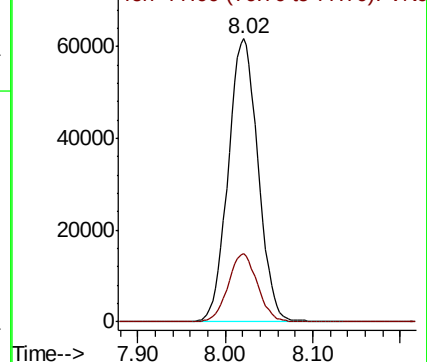


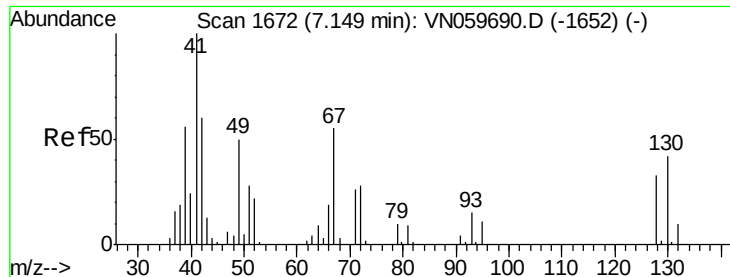
#40
Benzene
Concen: 16.454 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 78 Resp: 146447
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 44.480 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.03 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

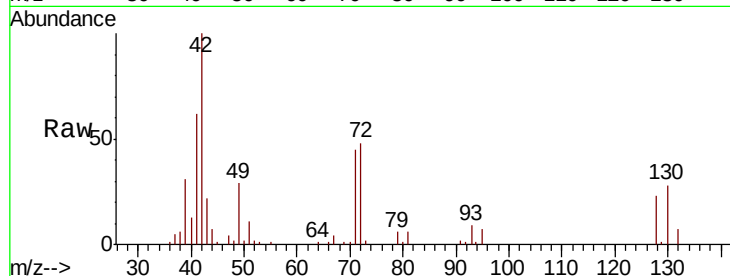
ClientSampled :

VSTDIC020

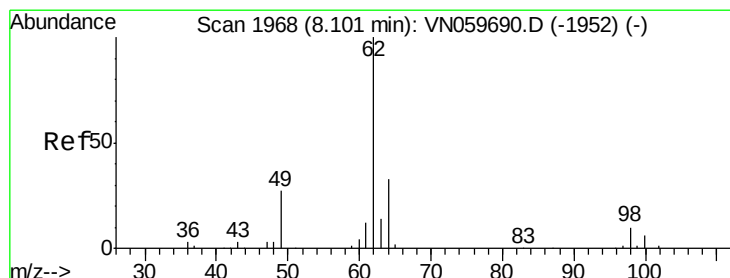
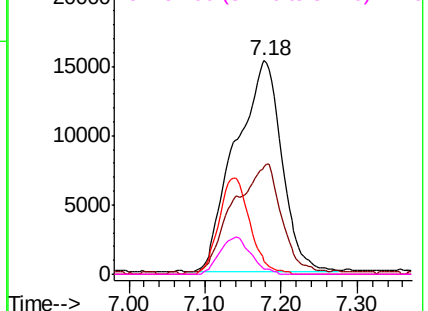
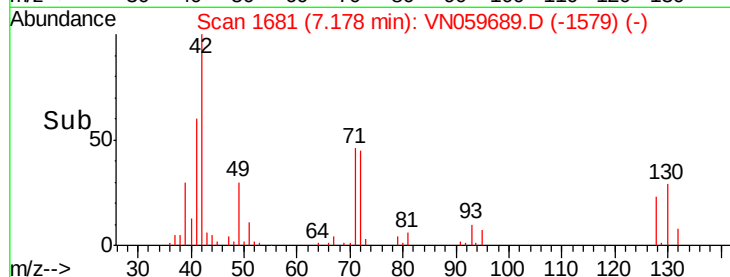
Tot Ion: 41 Resp: 64978

Ion Ratio Lower Upper

41	100		
39	54.5	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): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 14.638 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

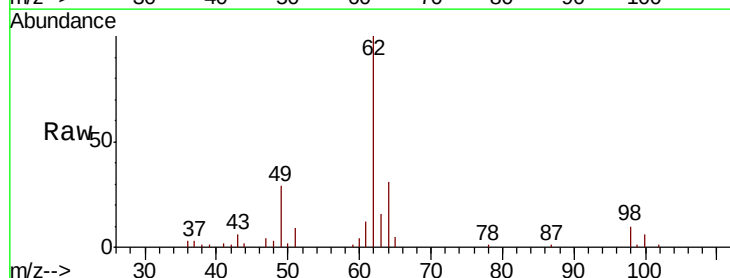
Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

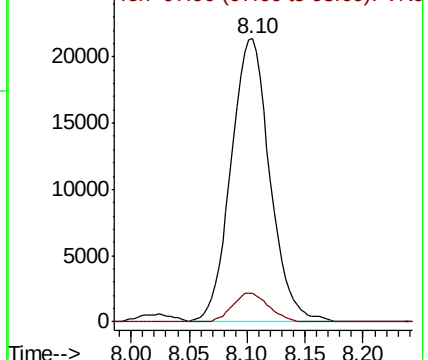
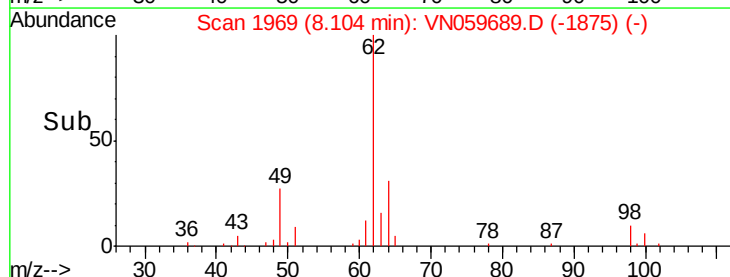
Tgt Ion: 62 Resp: 49893

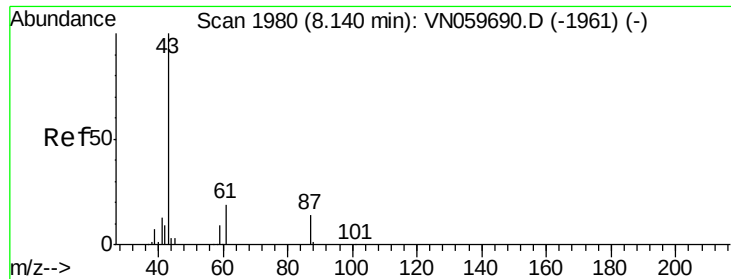
Ion Ratio Lower Upper

62	100		
98	9.4	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 14.174 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

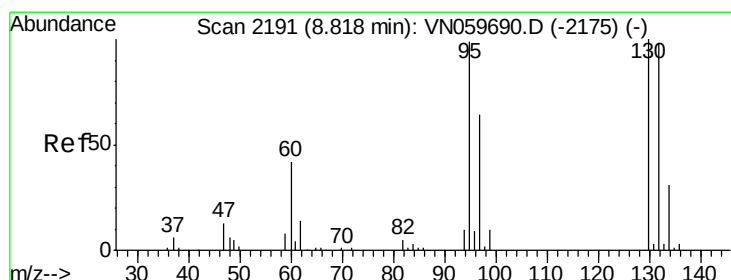
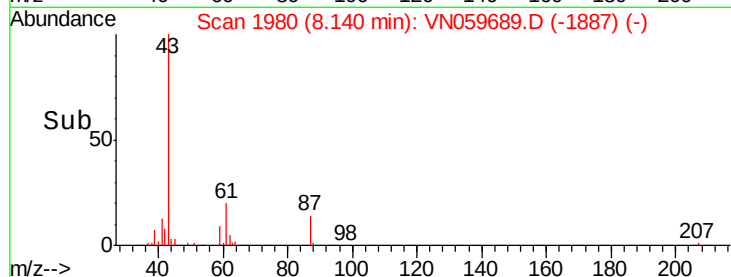
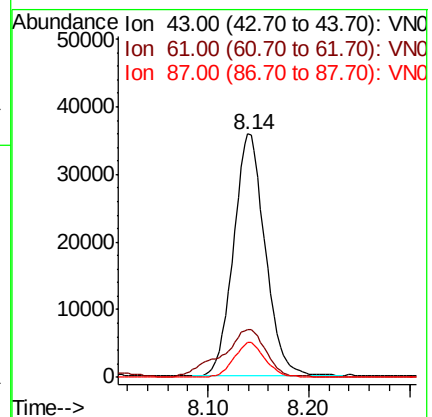
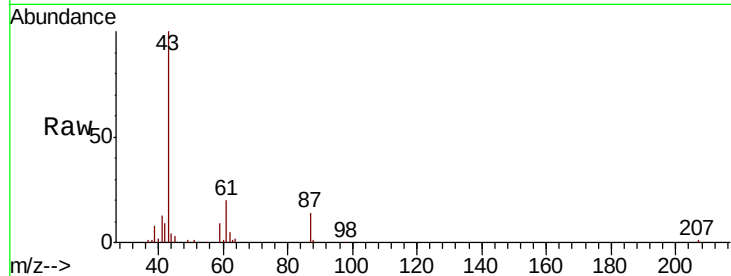
Tot Ion: 43 Resp: 78004

Ion Ratio Lower Upper

43 100

61 27.4 20.2 30.2

87 14.3 9.5 14.3#



#44

Trichloroethene

Concen: 17.717 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059689.D

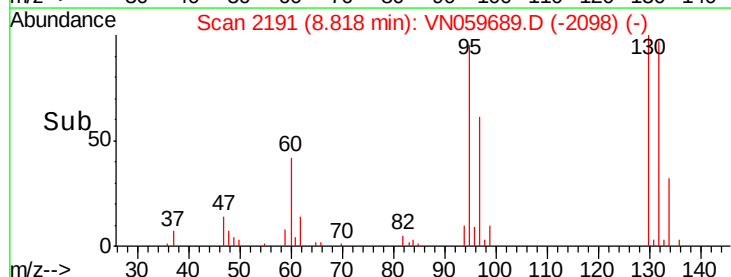
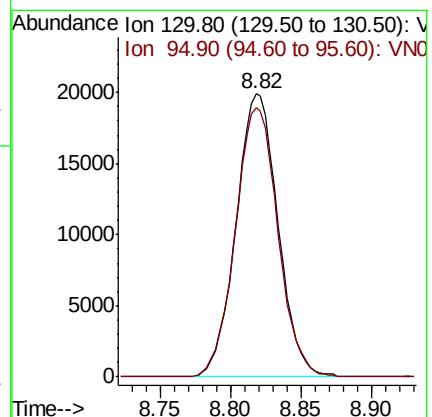
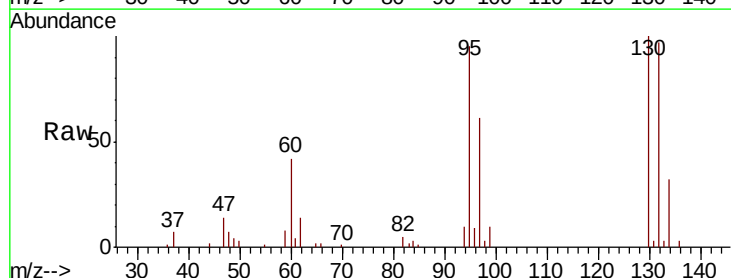
Acq: 13 Jan 2020 14:30

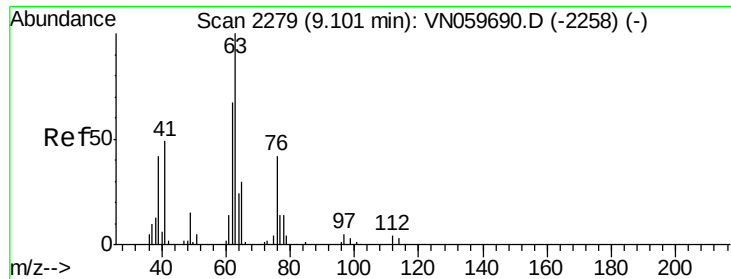
Tgt Ion: 130 Resp: 41302

Ion Ratio Lower Upper

130 100

95 95.3 0.0 207.0





#45

1,2-Dichloropropane

Concen: 15.279 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

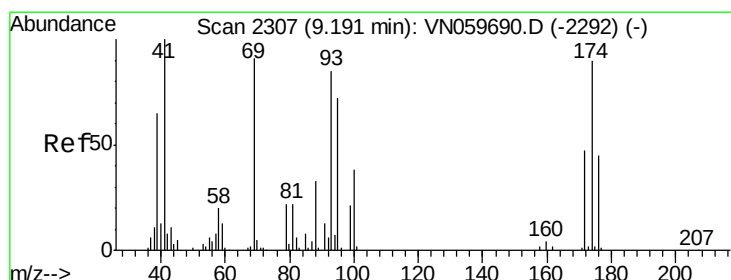
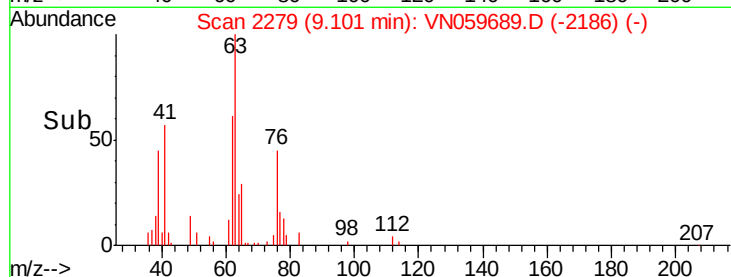
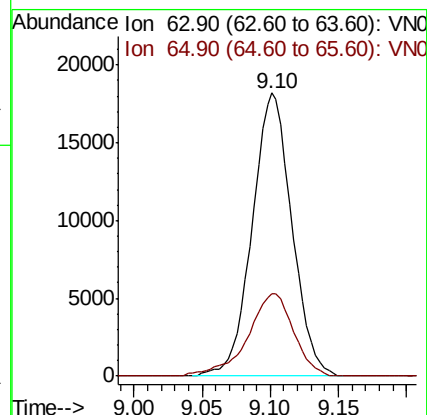
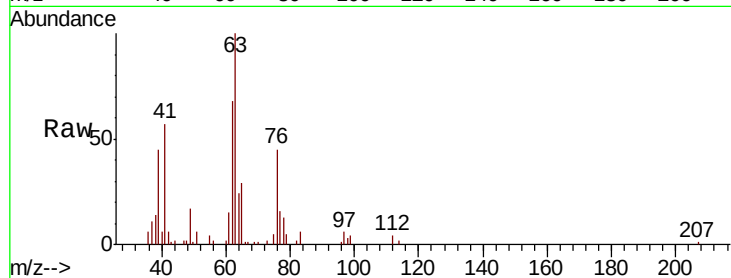
VSTDIC020

Tot Ion: 63 Resp: 36722

Ion Ratio Lower Upper

63 100

65 29.3 24.9 37.3



#46

Dibromomethane

Concen: 16.660 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

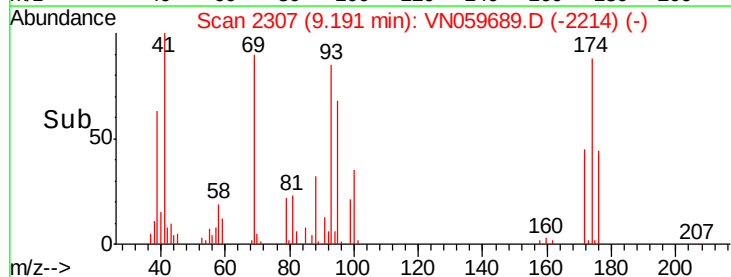
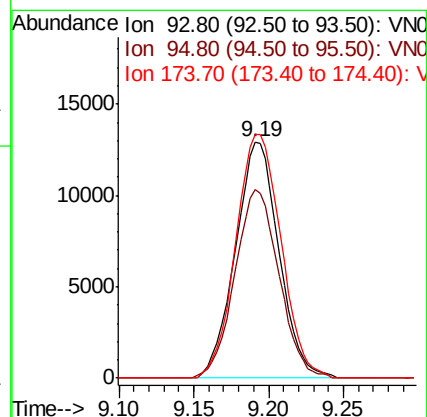
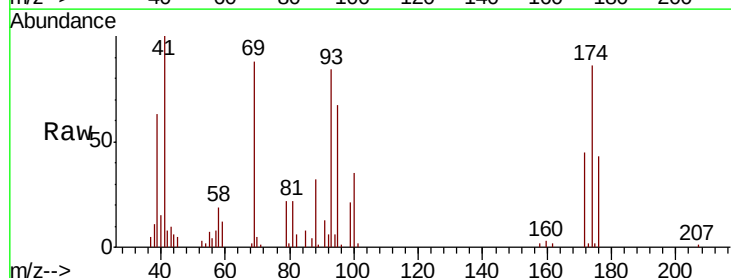
Tgt Ion: 93 Resp: 26233

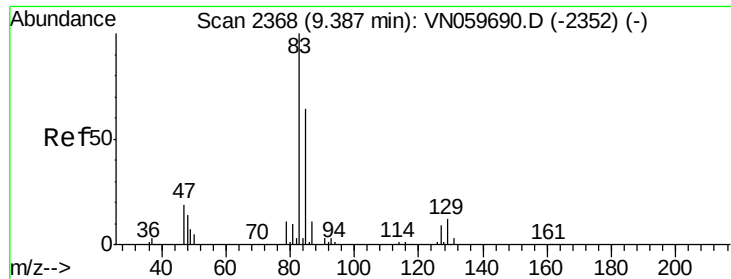
Ion Ratio Lower Upper

93 100

95 80.8 67.0 100.6

174 107.1 73.4 110.2

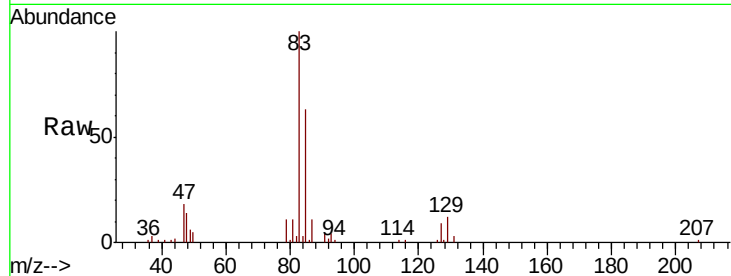




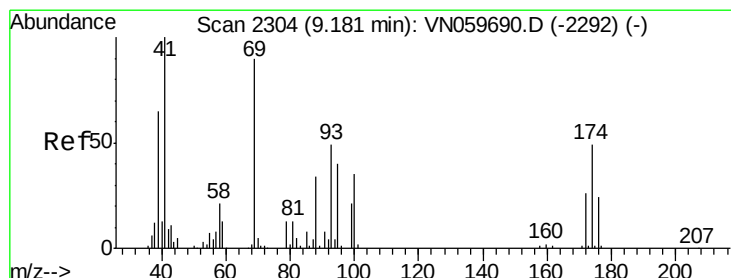
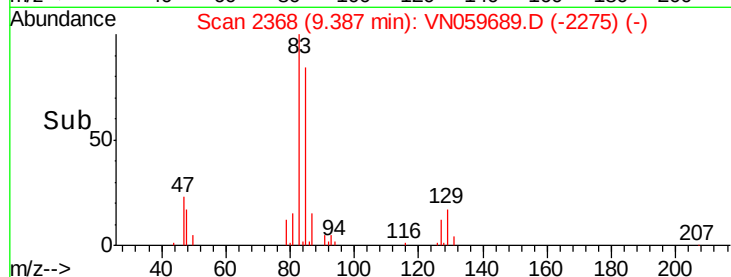
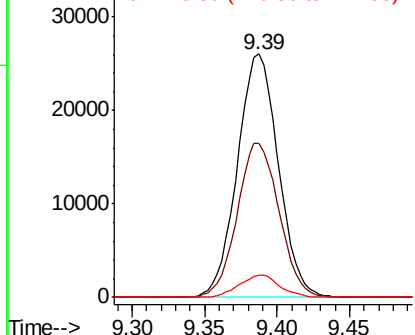
#47
Bromodichloromethane
Concen: 16.330 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 51264
Ion Ratio Lower Upper
83 100
85 63.2 51.1 76.7
127 9.0 6.6 9.8

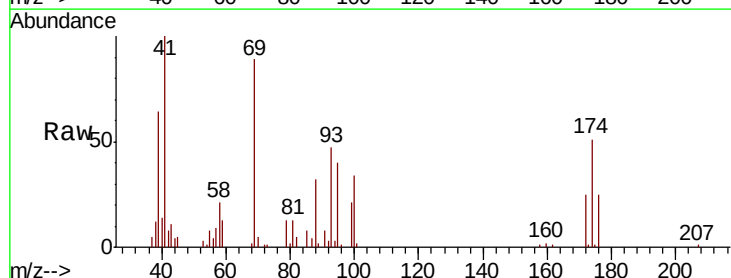


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

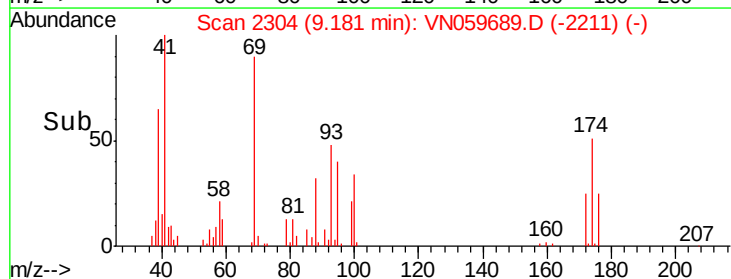
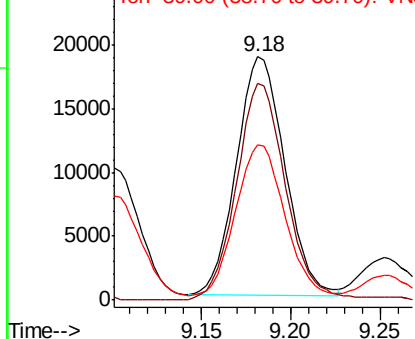


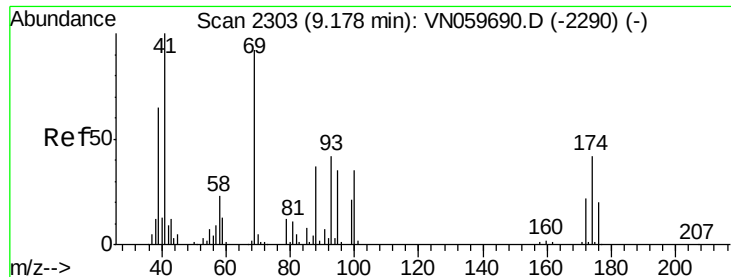
#48
Methyl methacrylate
Concen: 14.171 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 41 Resp: 35382
Ion Ratio Lower Upper
41 100
69 92.8 64.4 96.6
39 64.6 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

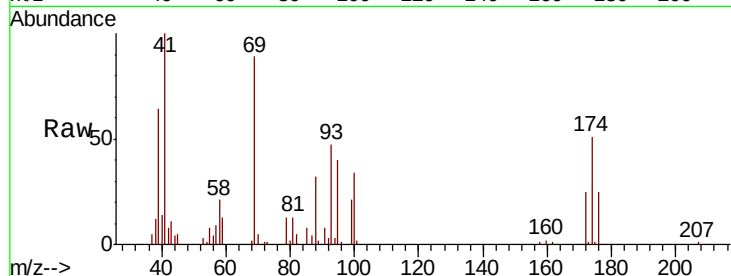




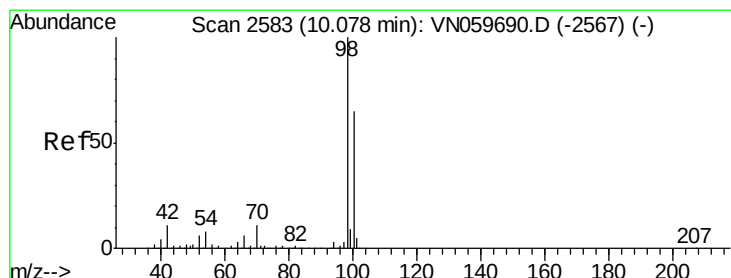
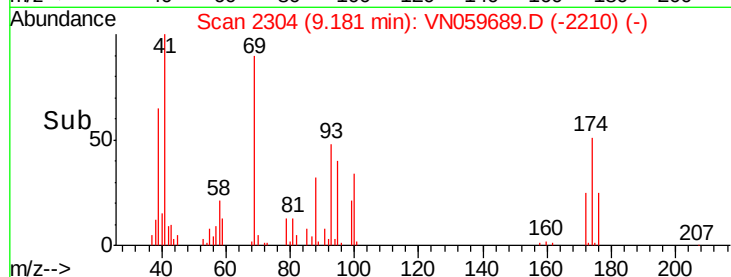
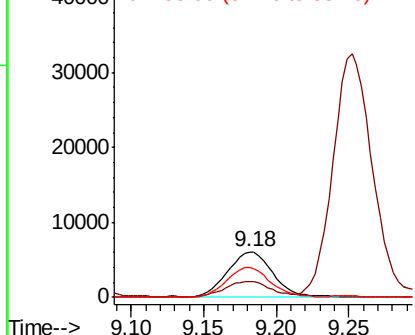
#49
1,4-Dioxane
Concen: 365.891 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 13092
Ion Ratio Lower Upper
88 100
43 35.3 29.7 44.5
58 63.8 56.6 85.0

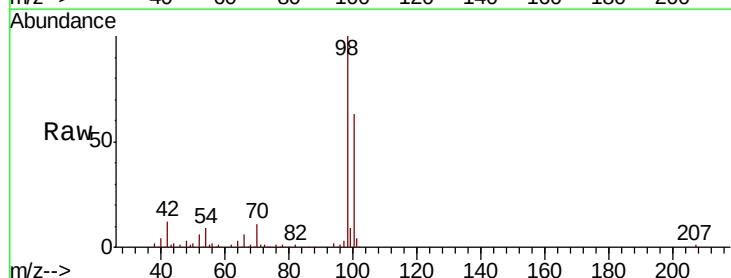


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

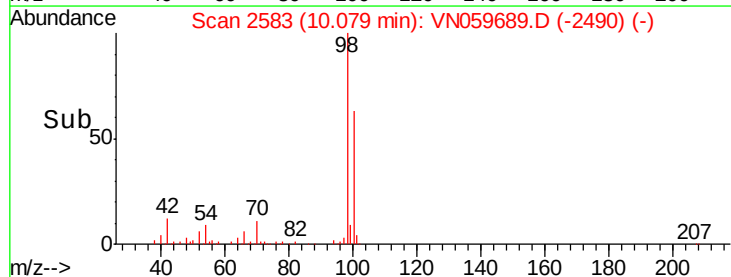
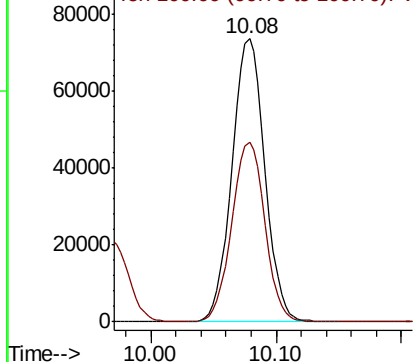


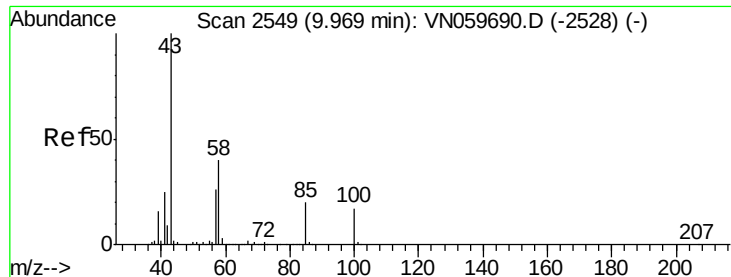
#50
Toluene-d8
Concen: 18.533 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 98 Resp: 134074
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



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

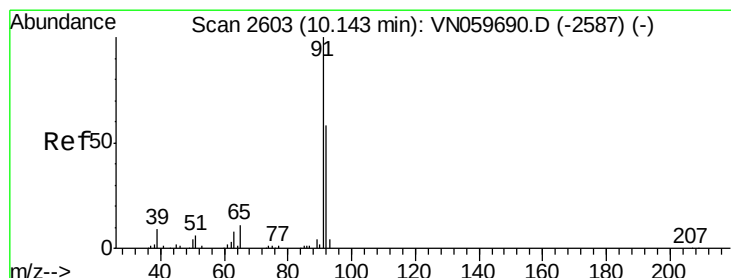
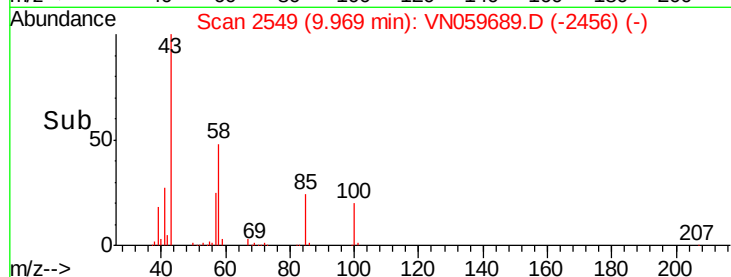
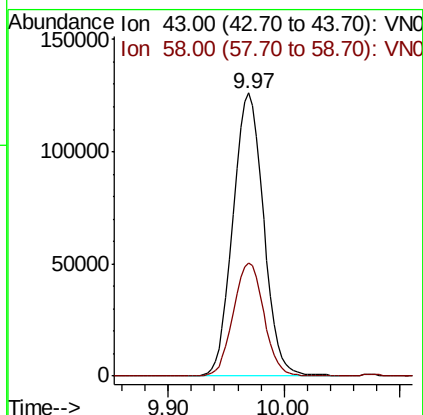
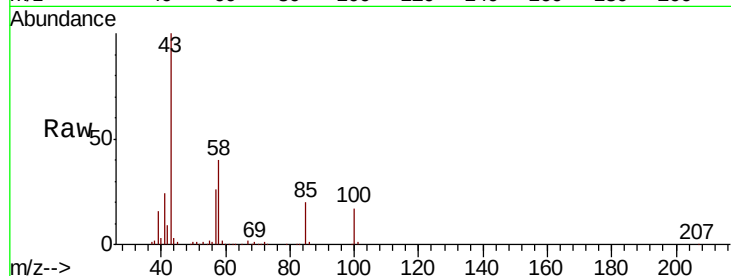




#51
 4-Methyl-2-Pentanone
 Concen: 70.328 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

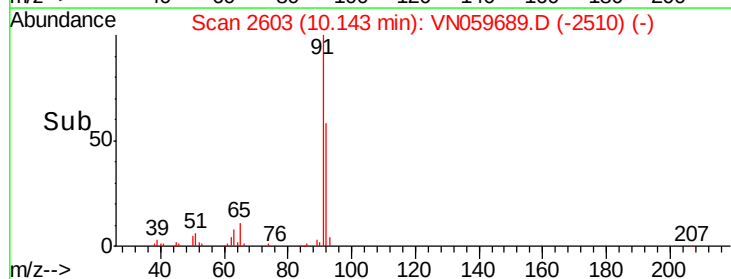
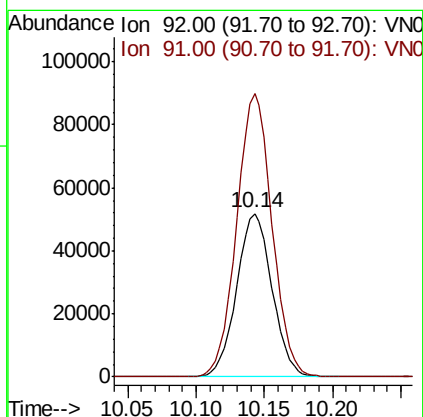
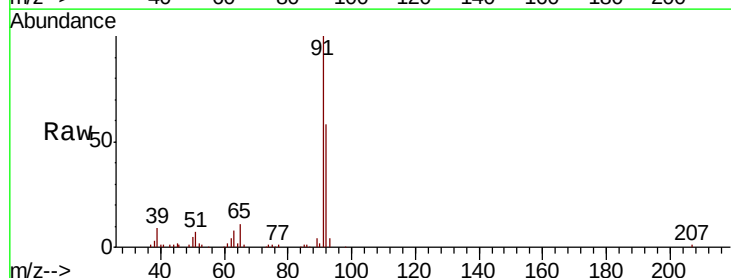
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

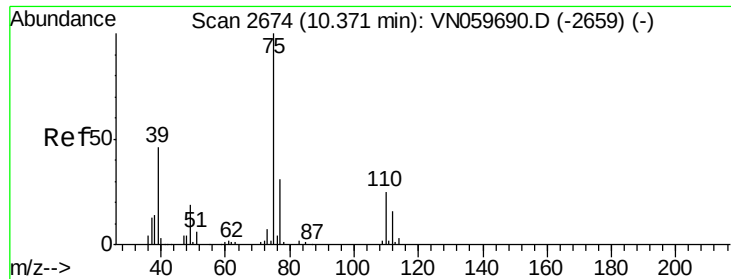
Tot Ion: 43 Resp: 230761
 Ion Ratio Lower Upper
 43 100
 58 40.0 29.8 44.8



#52
 Toluene
 Concen: 17.087 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion: 92 Resp: 93443
 Ion Ratio Lower Upper
 92 100
 91 173.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 16.005 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

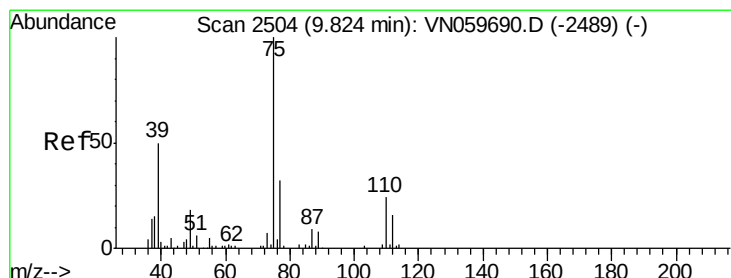
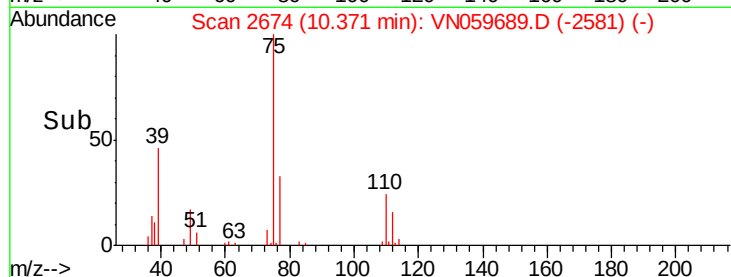
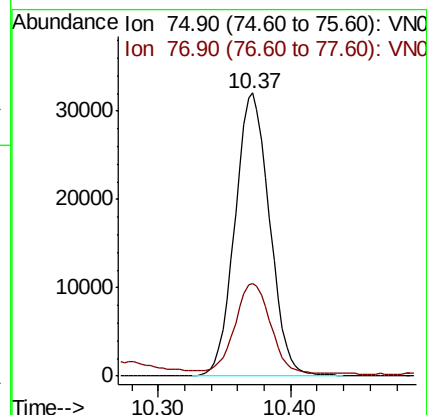
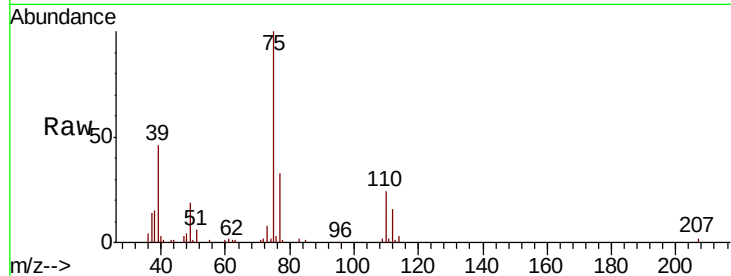
VSTDIC020

Tot Ion: 75 Resp: 58110

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 16.295 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

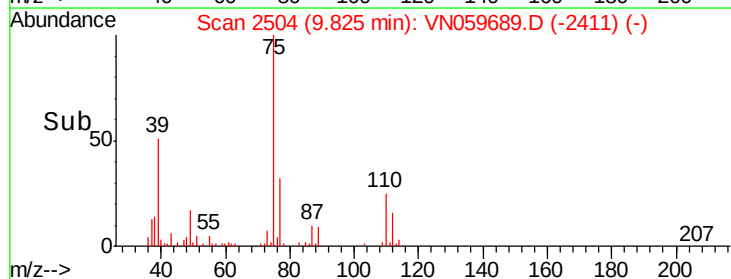
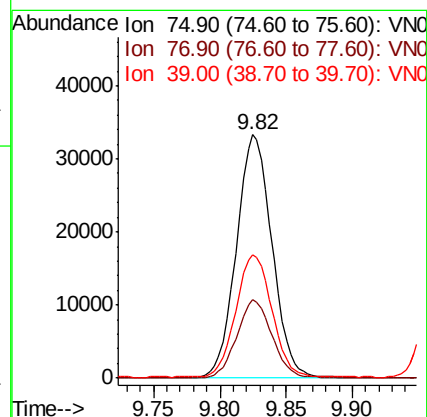
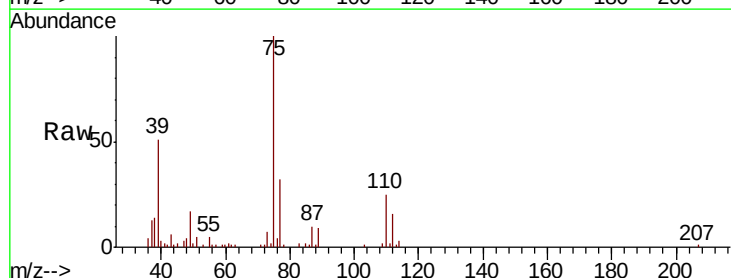
Tgt Ion: 75 Resp: 62189

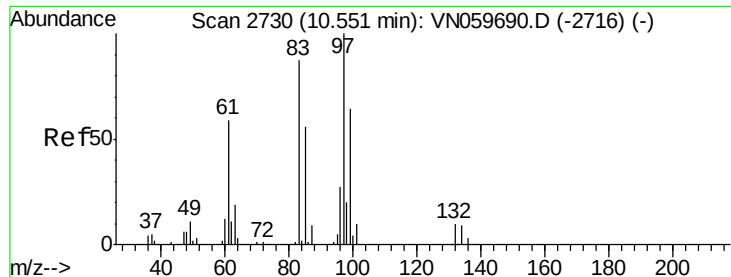
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

39 50.0 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 17.271 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 37062

Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.3	106.9
85	55.8	45.8	68.8
99	63.5	50.0	75.0

Abundance

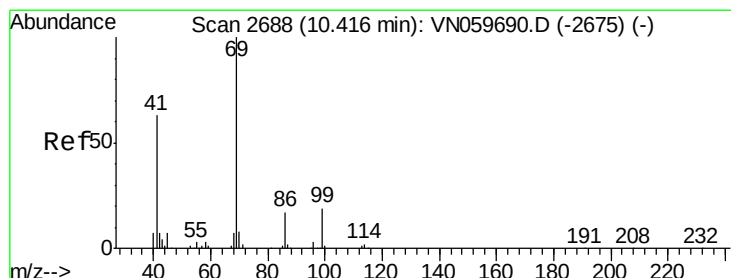
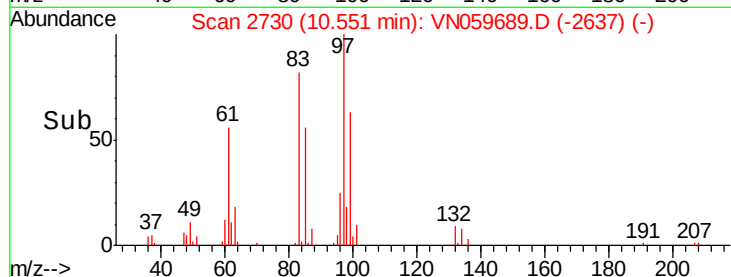
Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



#56

Ethyl methacrylate

Concen: 17.932 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion: 69 Resp: 57125

Ion	Ratio	Lower	Upper
69	100		
41	61.2	57.1	85.7
39	38.7	34.7	52.1

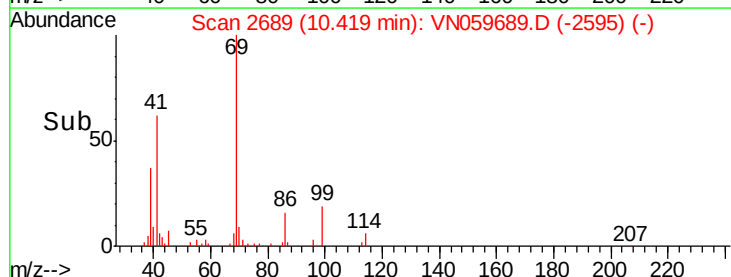
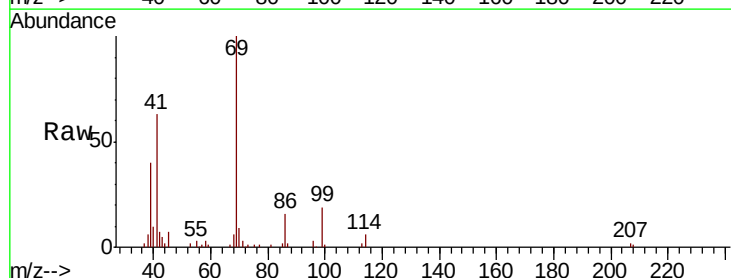
Abundance

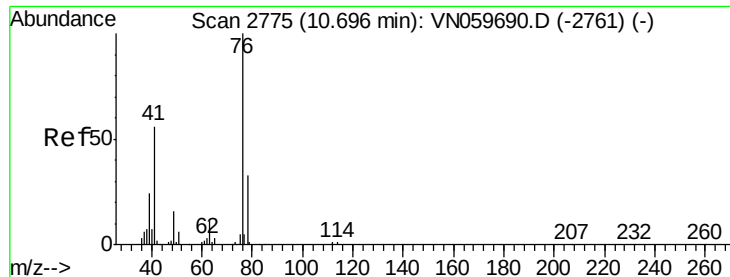
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->





#57

1,3-Dichloropropane

Concen: 16.080 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

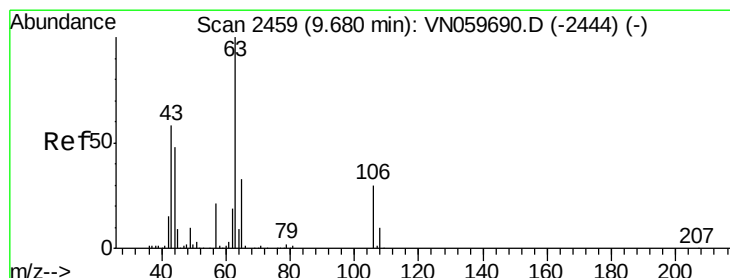
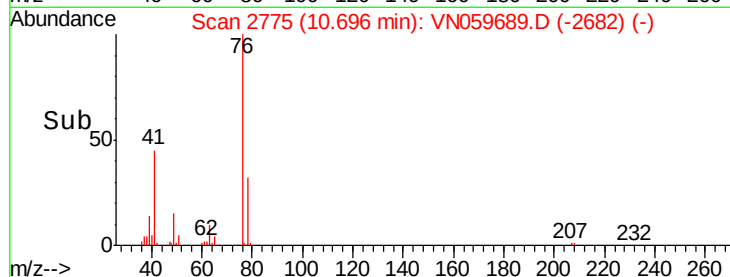
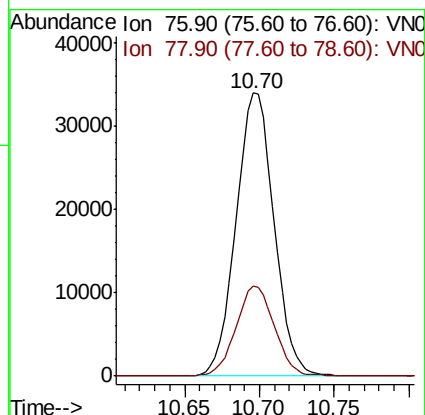
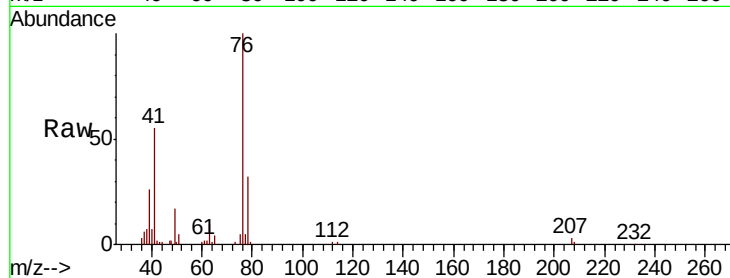
VSTDIC020

Tot Ion: 76 Resp: 60080

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 85.939 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059689.D

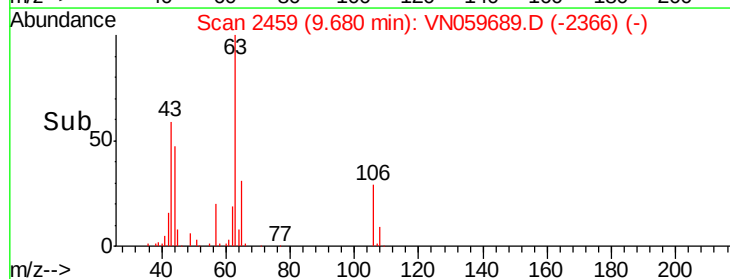
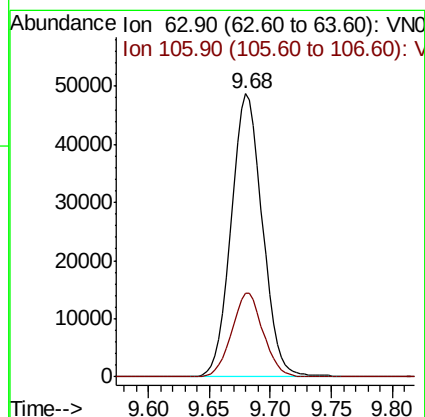
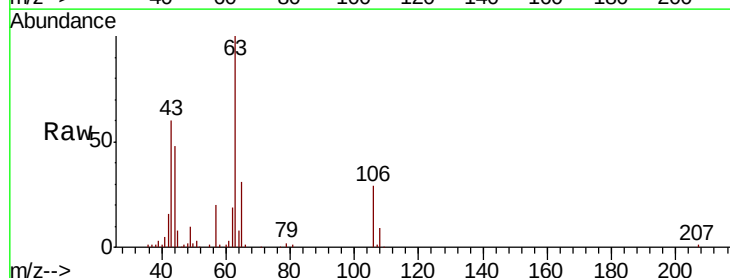
Acq: 13 Jan 2020 14:30

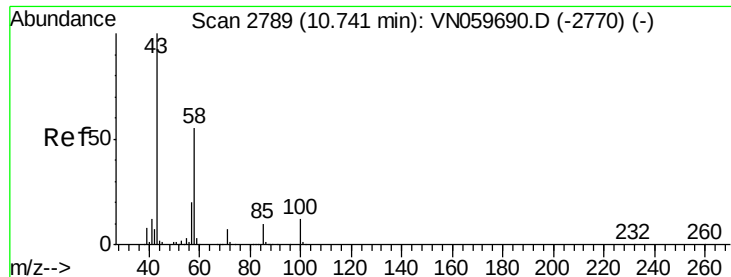
Tgt Ion: 63 Resp: 87071

Ion Ratio Lower Upper

63 100

106 29.7 20.2 30.2

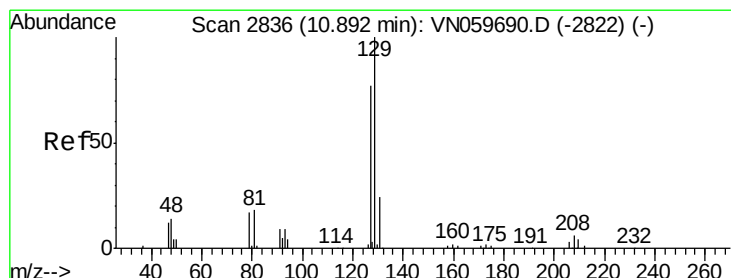
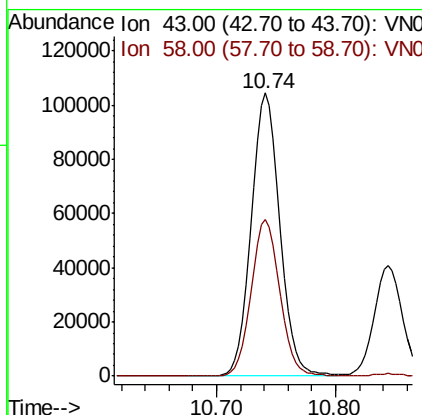
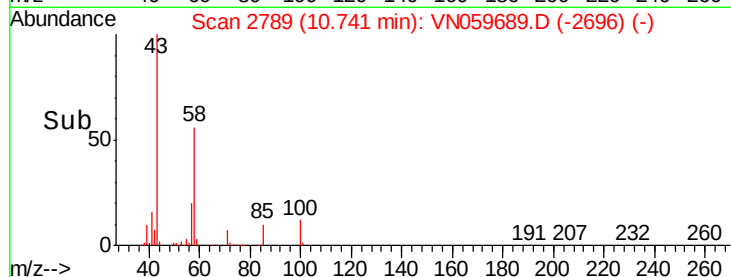
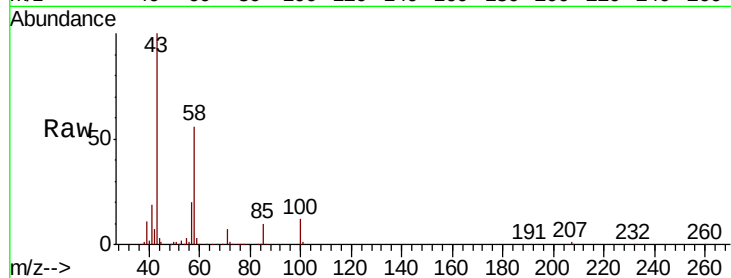




#59
2-Hexanone
Concen: 67.443 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

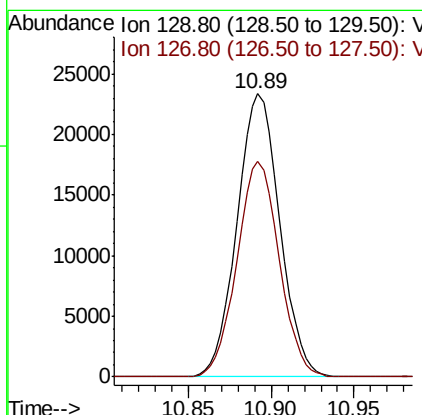
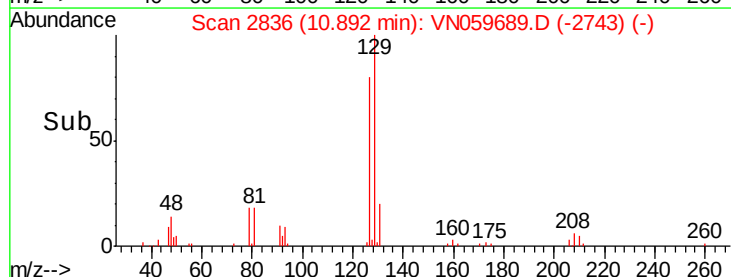
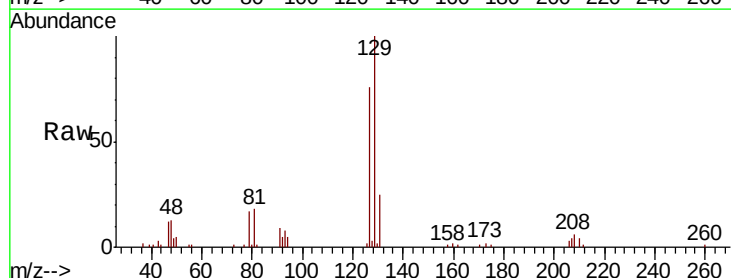
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

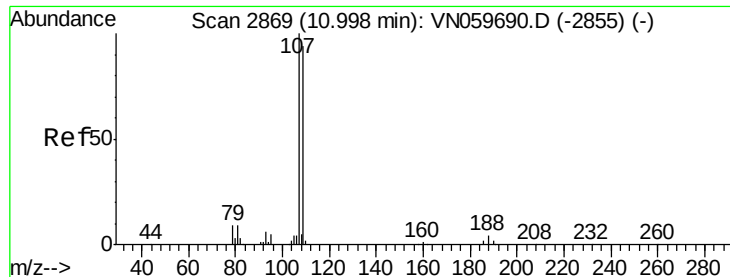
Tot Ion: 43 Resp: 174408
Ion Ratio Lower Upper
43 100
58 55.4 25.8 77.3



#60
Dibromochloromethane
Concen: 17.892 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 129 Resp: 41905
Ion Ratio Lower Upper
129 100
127 75.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 17.266 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

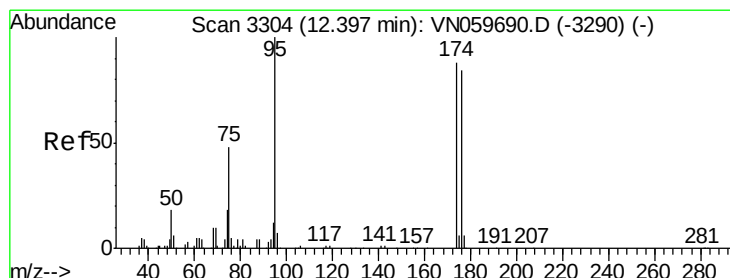
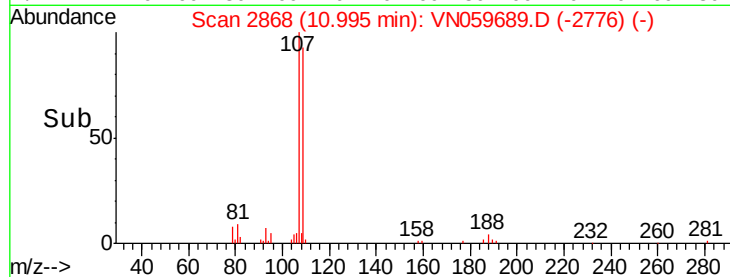
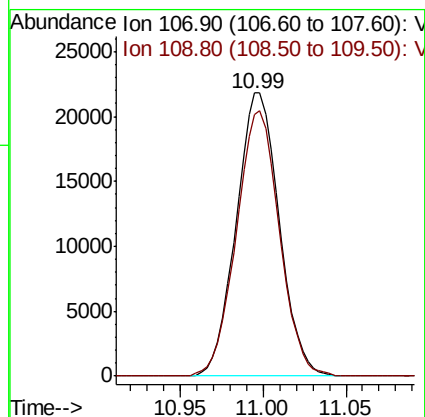
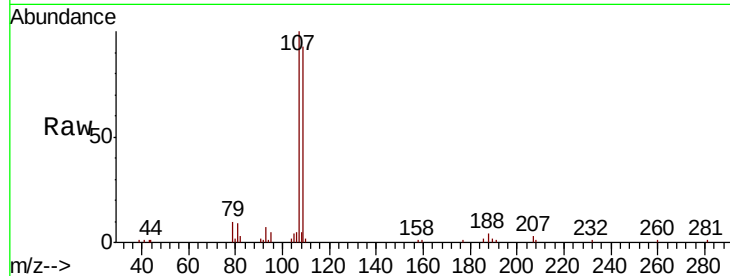
VSTDIC020

Tot Ion:107 Resp: 39295

Ion Ratio Lower Upper

107 100

109 93.8 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 17.636 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

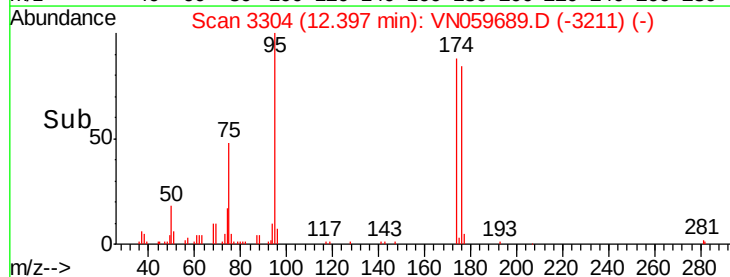
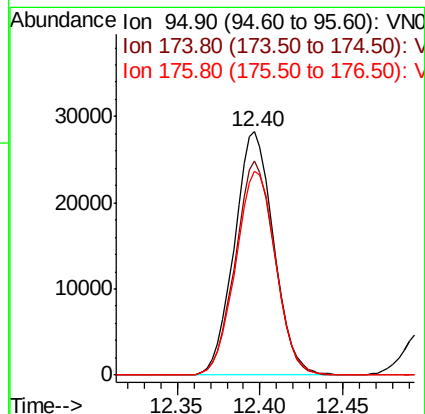
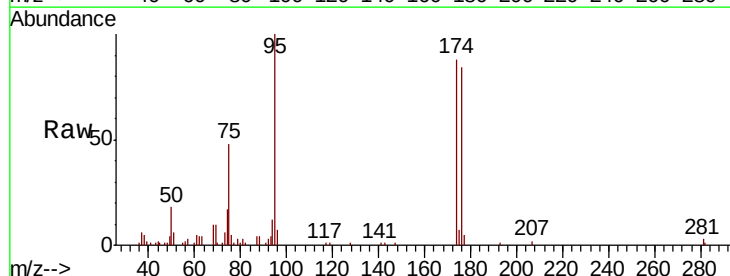
Tgt Ion: 95 Resp: 46555

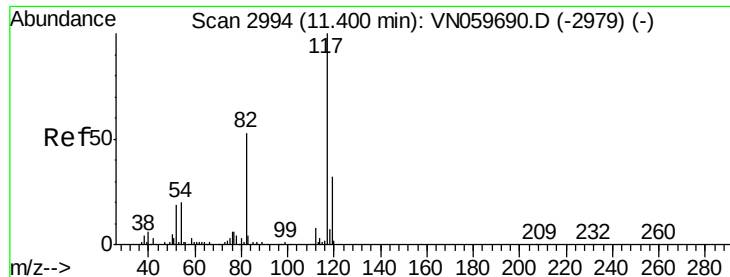
Ion Ratio Lower Upper

95 100

174 88.1 0.0 151.4

176 85.7 0.0 146.0

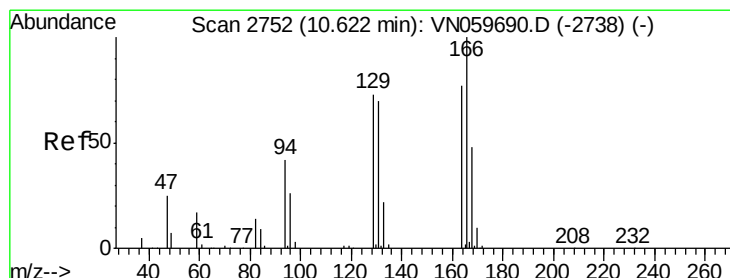
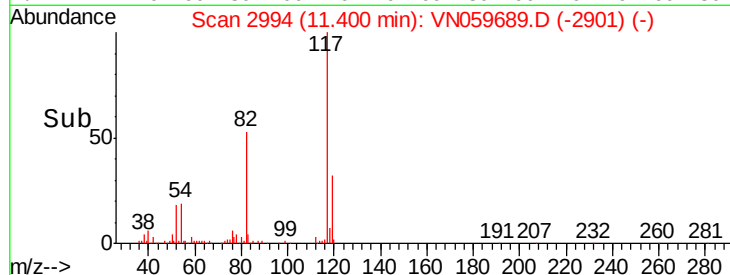
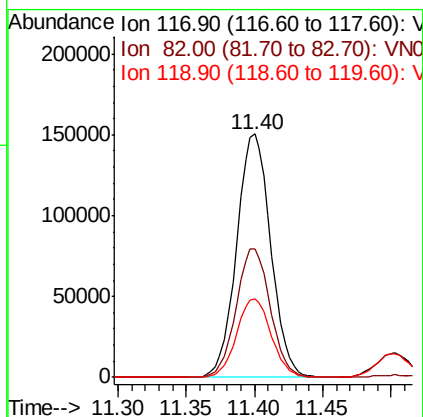
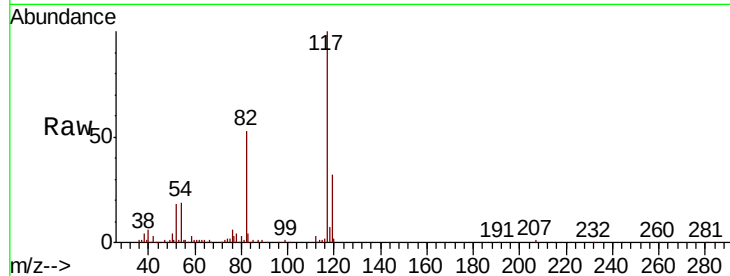




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

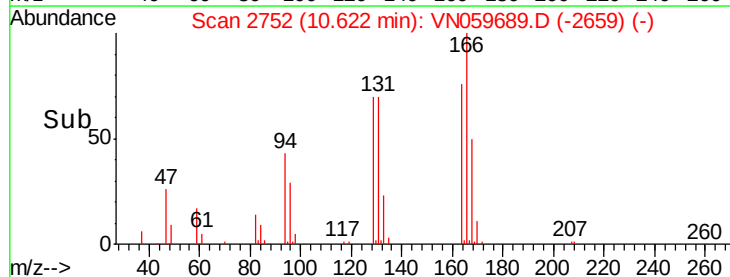
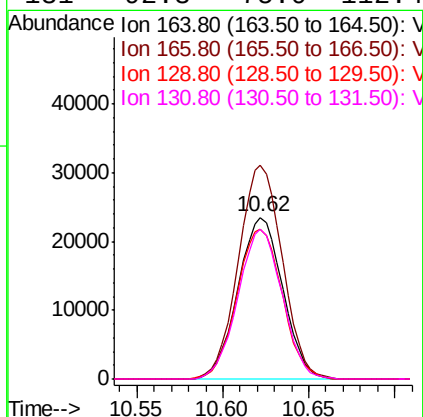
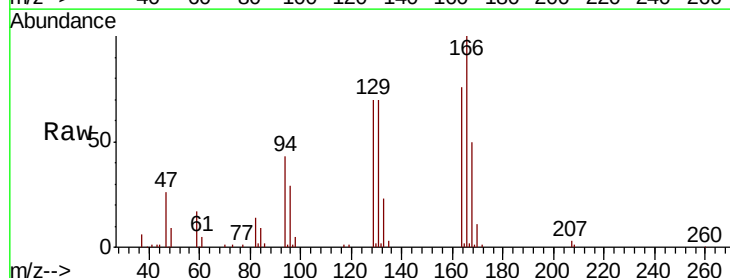
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

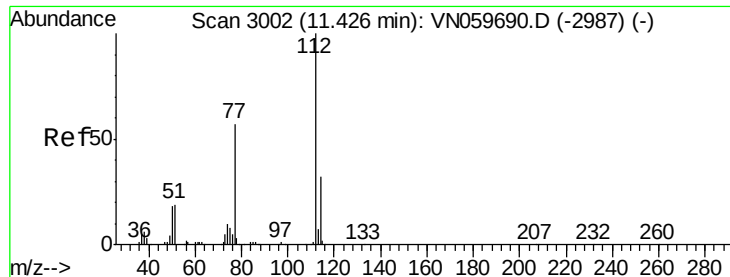
Tot Ion:117 Resp: 260514
Ion Ratio Lower Upper
117 100
82 52.9 45.9 68.9
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 17.514 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion:164 Resp: 42532
Ion Ratio Lower Upper
164 100
166 132.1 101.4 152.0
129 92.9 80.2 120.4
131 92.3 75.0 112.4





#65

Chlorobenzene

Concen: 17.733 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

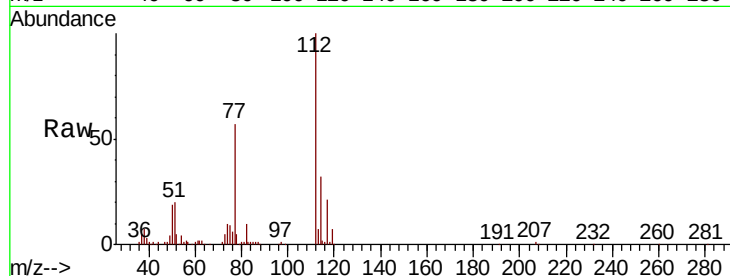
VSTDIC020

Tot Ion:112 Resp: 99956

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

60000

50000

40000

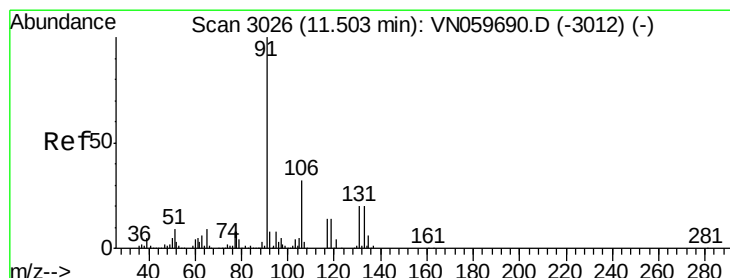
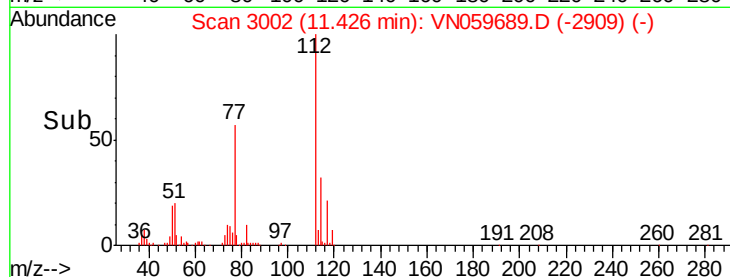
30000

20000

10000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 18.194 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

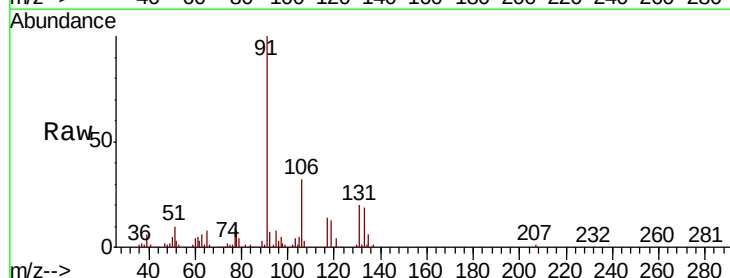
Tgt Ion:131 Resp: 38954

Ion Ratio Lower Upper

131 100

133 98.8 47.4 142.2

119 66.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

30000

25000

20000

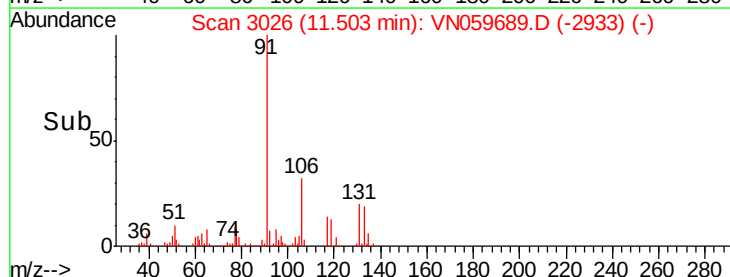
15000

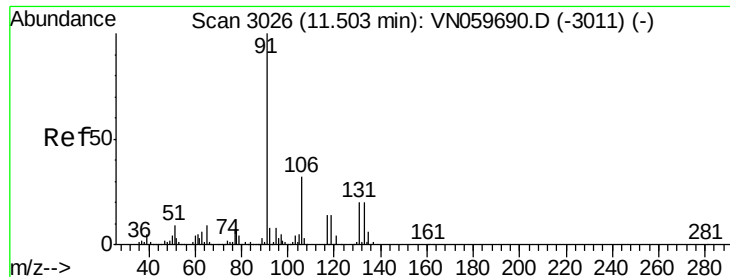
10000

5000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 17.813 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

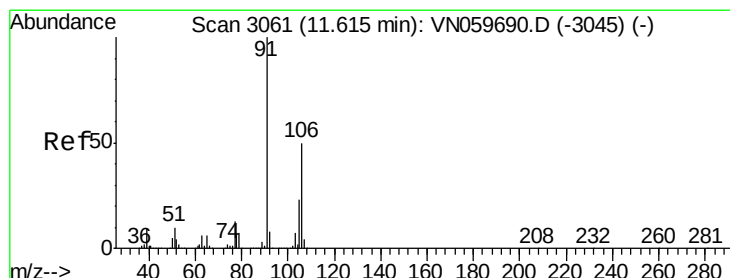
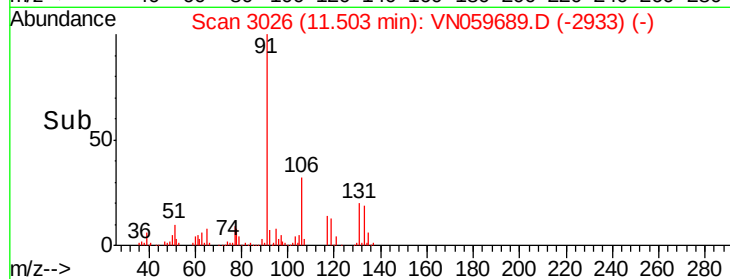
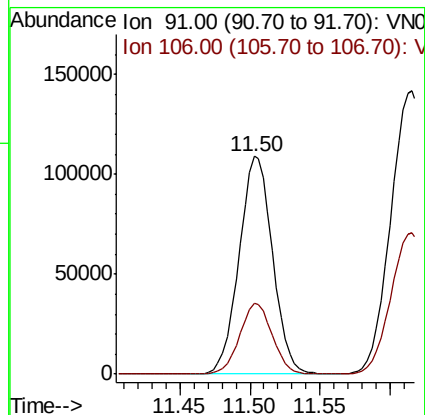
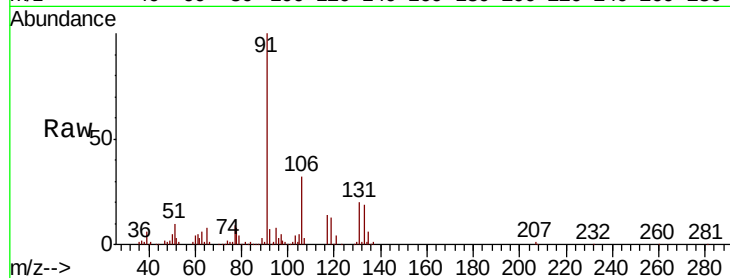
VSTDIC020

Tot Ion: 91 Resp: 181241

Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1



#68

m/p-Xylenes

Concen: 36.696 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059689.D

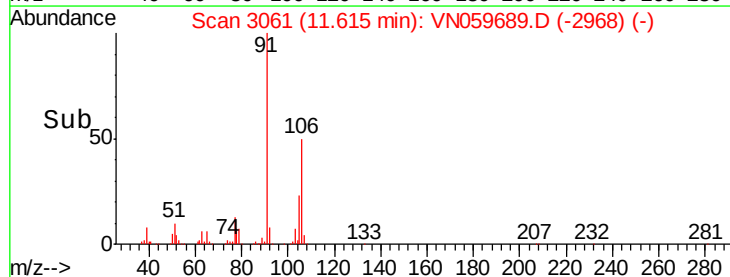
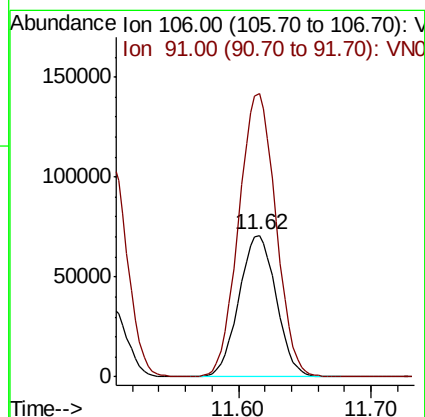
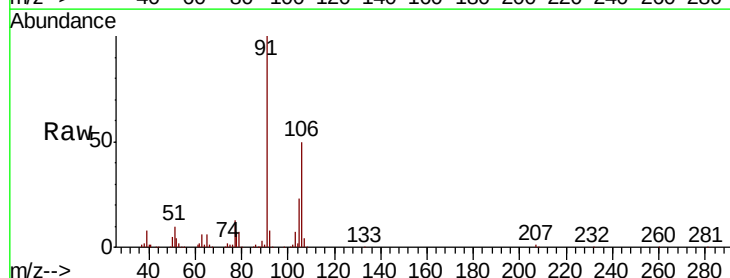
Acq: 13 Jan 2020 14:30

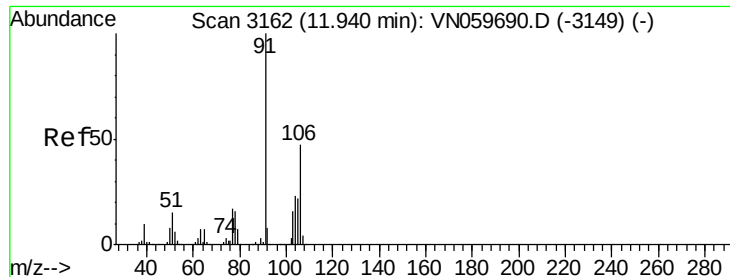
Tgt Ion: 106 Resp: 137876

Ion Ratio Lower Upper

106 100

91 200.4 167.9 251.9

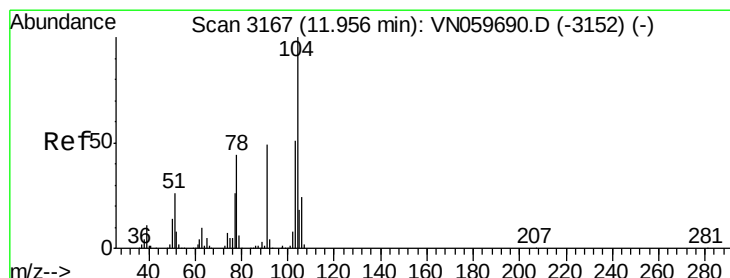
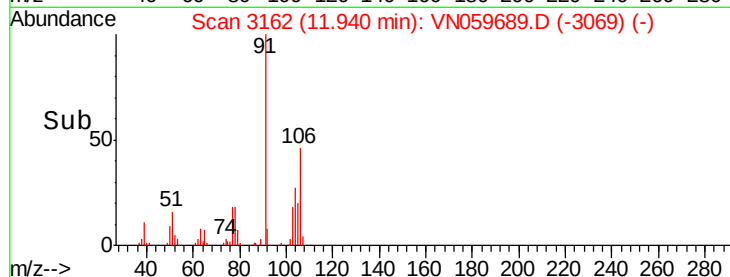
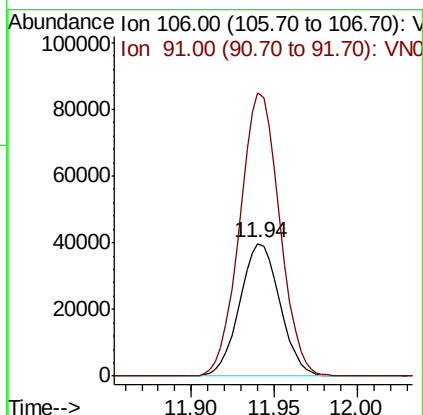
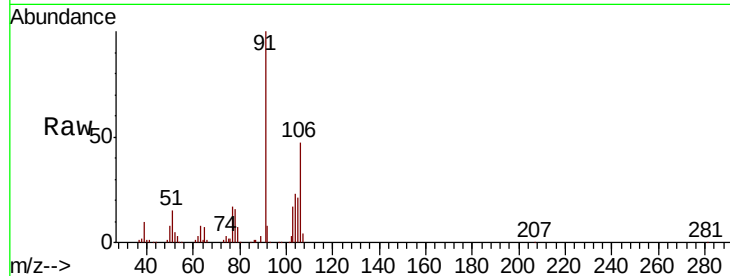




#69
o-Xylene
Concen: 18.749 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

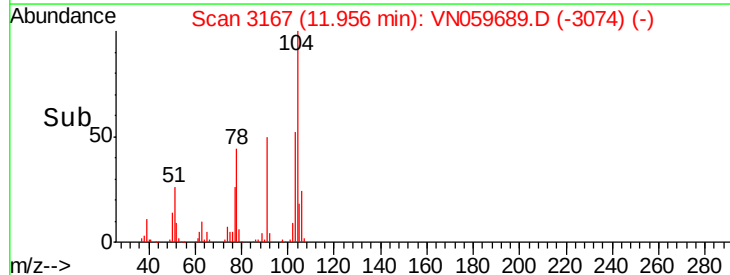
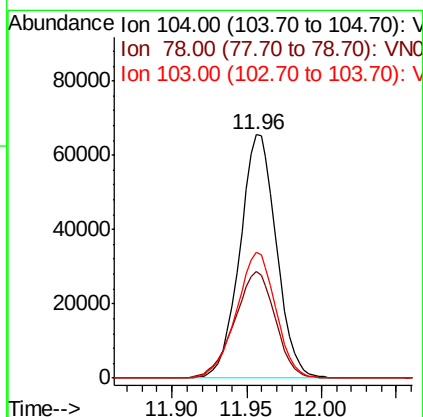
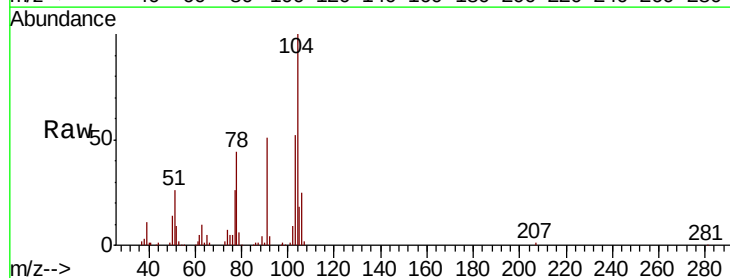
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

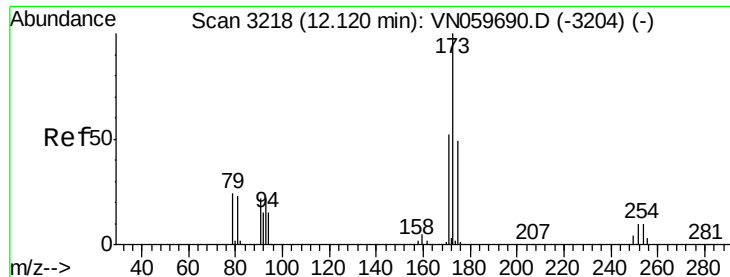
Tot Ion:106 Resp: 67029
Ion Ratio Lower Upper
106 100
91 211.5 110.3 330.9



#70
Styrene
Concen: 19.367 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion:104 Resp: 111243
Ion Ratio Lower Upper
104 100
78 48.9 42.4 63.6
103 55.8 43.9 65.9

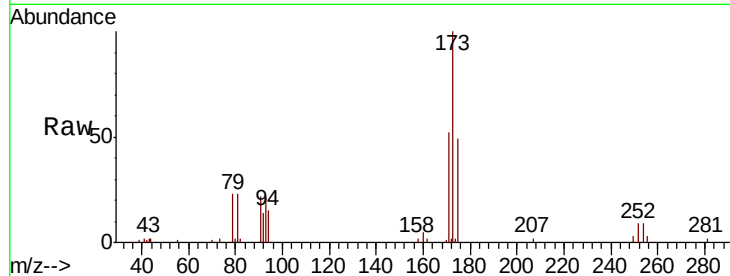




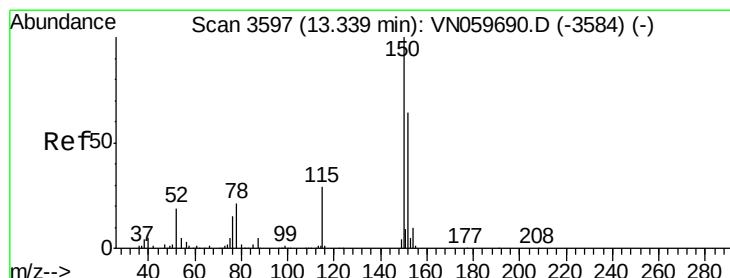
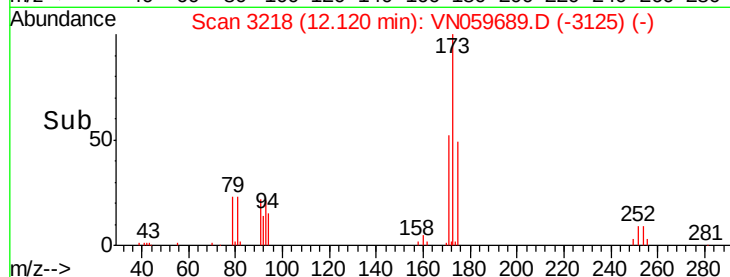
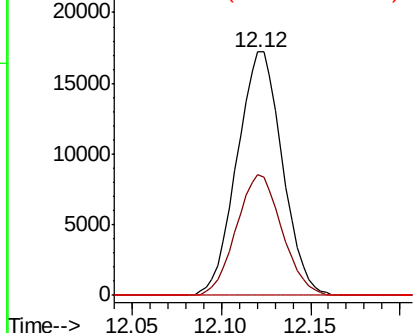
#71
Bromoform
Concen: 18.941 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 30484
Ion Ratio Lower Upper
173 100
175 49.6 23.8 71.4
254 0.0 0.0 0.0

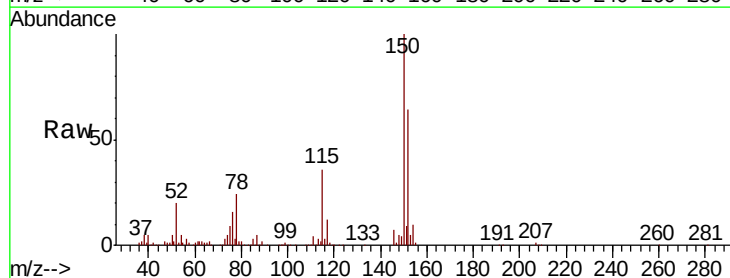


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

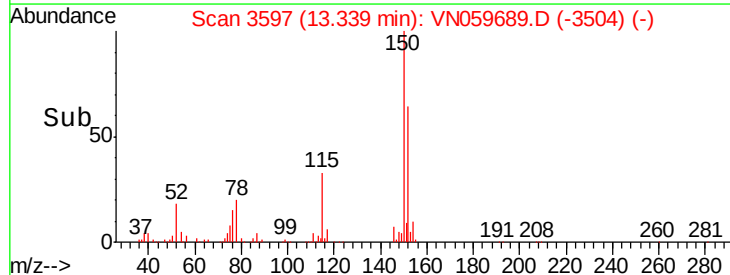
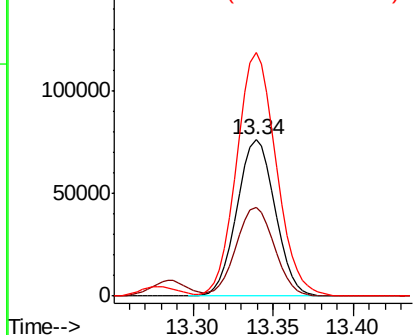


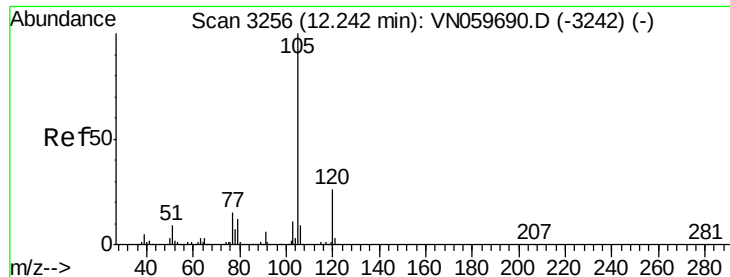
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion:152 Resp: 123704
Ion Ratio Lower Upper
152 100
115 57.0 30.3 90.9
150 160.8 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: 18.488 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

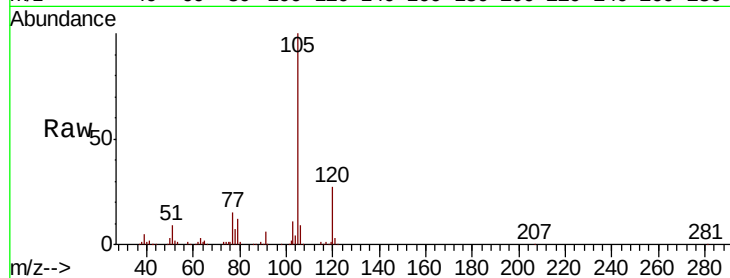
VSTDIC020

Tot Ion:105 Resp: 179532

Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

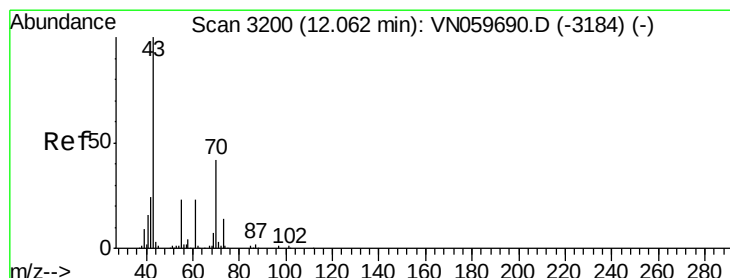
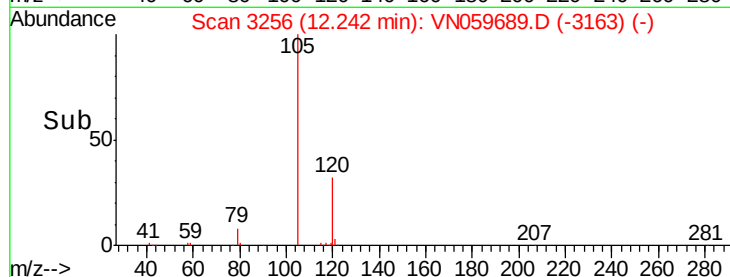
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 15.370 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion: 43 Resp: 68463

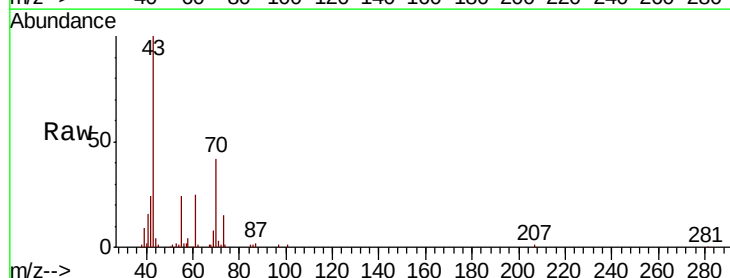
Ion Ratio Lower Upper

43 100

70 41.4 31.3 46.9

55 23.8 19.8 29.6

61 23.6 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

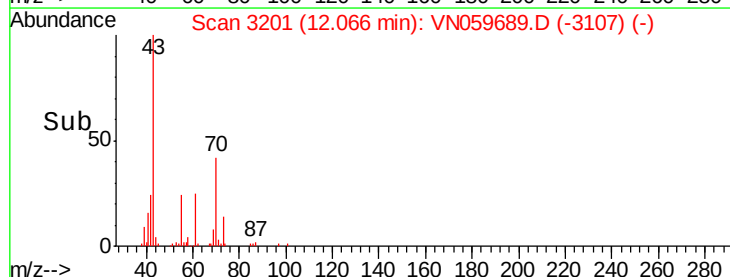
60000

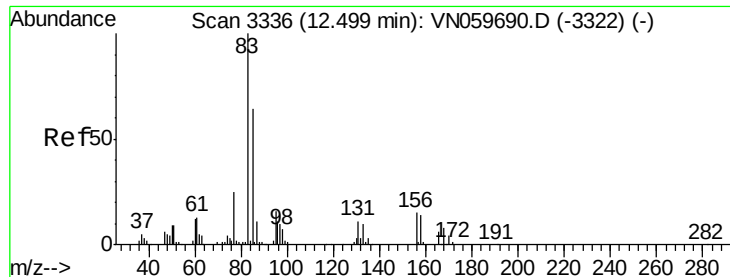
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 16.881 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

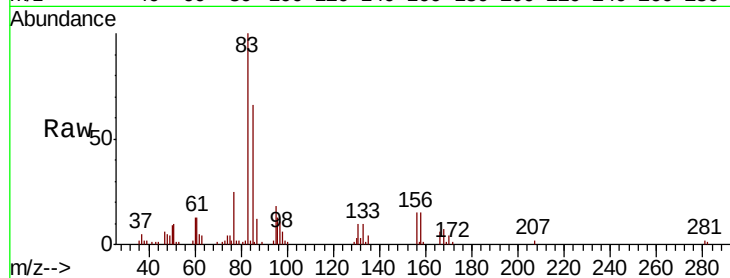
Tot Ion: 83 Resp: 51999

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

85 65.0 31.9 95.5

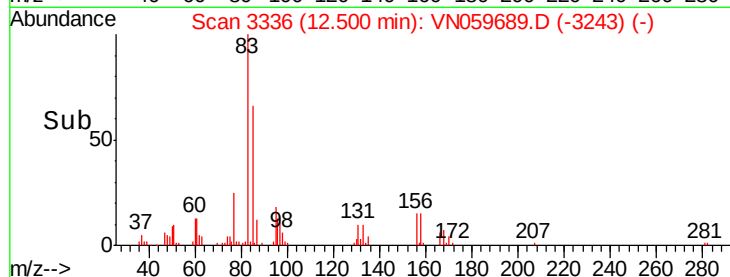


Abundance Ion 82.90 (82.60 to 83.60): VN059689.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059689.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059689.D (-3243) (-)

Time-->



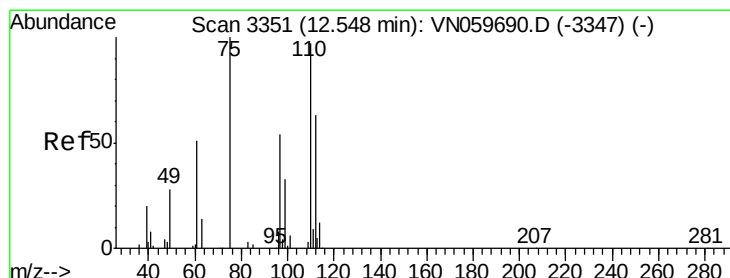
Abundance

Ion 82.90 (82.60 to 83.60): VN059689.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059689.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059689.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.372 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059689.D

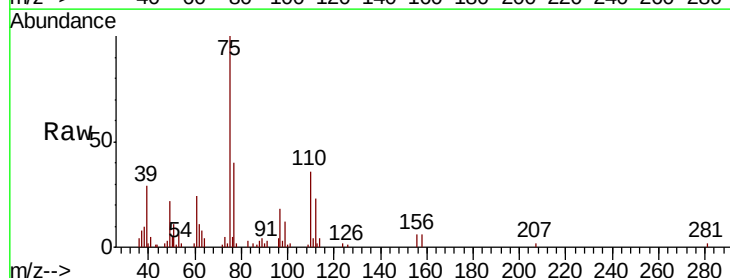
Acq: 13 Jan 2020 14:30

Tgt Ion: 75 Resp: 68512

Ion Ratio Lower Upper

75 100

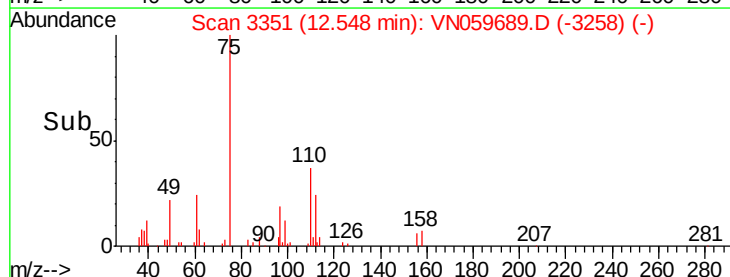
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059689.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059689.D (-3258) (-)

Time-->

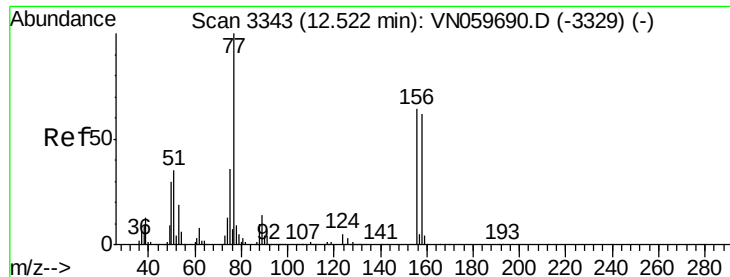


Abundance

Ion 74.90 (74.60 to 75.60): VN059689.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059689.D (-3258) (-)

Time-->



#77

Bromobenzene

Concen: 18.918 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

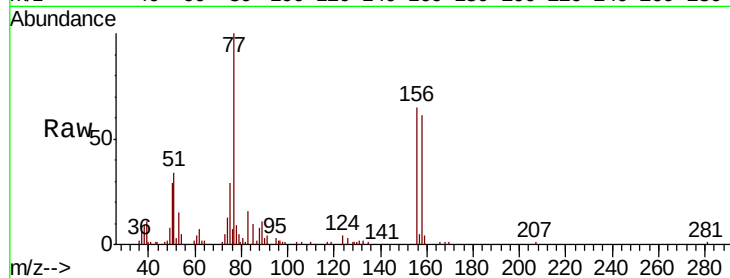
Tot Ion:156 Resp: 45179

Ion Ratio Lower Upper

156 100

77 188.2 115.8 347.4

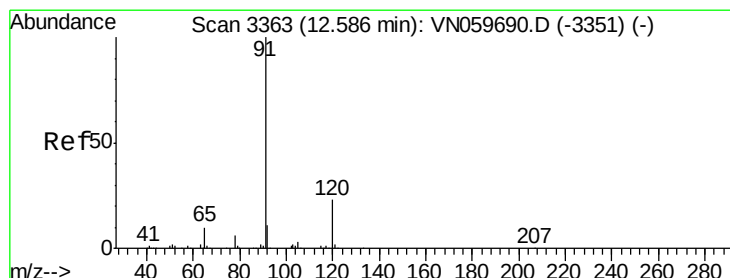
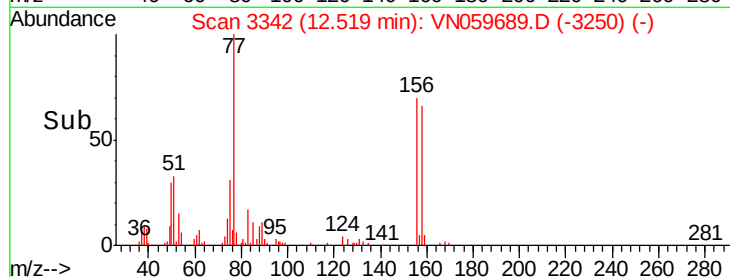
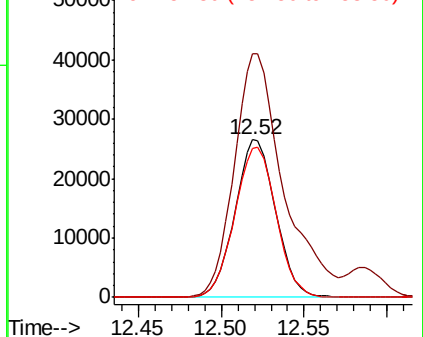
158 97.2 49.2 147.6



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: 17.552 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059689.D

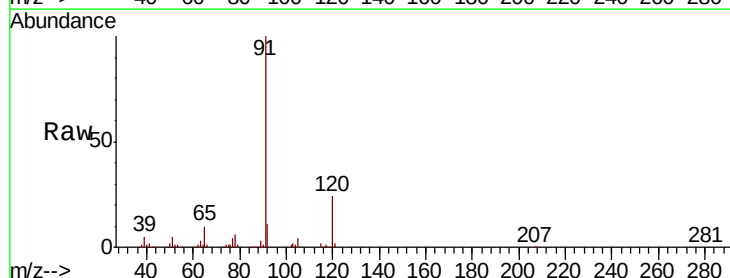
Acq: 13 Jan 2020 14:30

Tgt Ion: 91 Resp: 201475

Ion Ratio Lower Upper

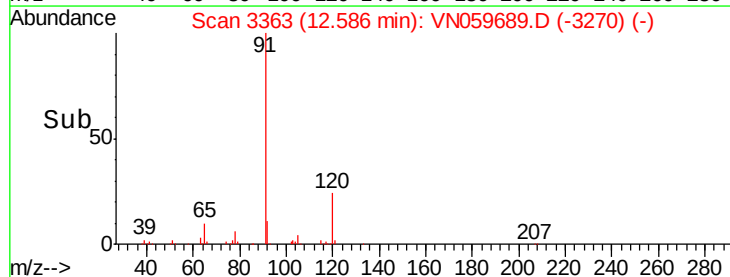
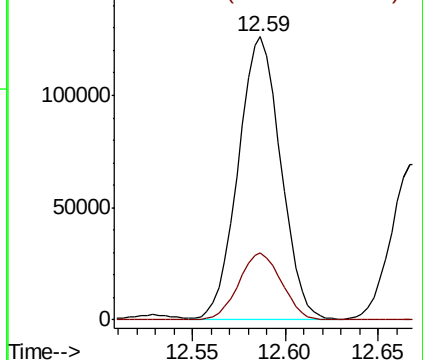
91 100

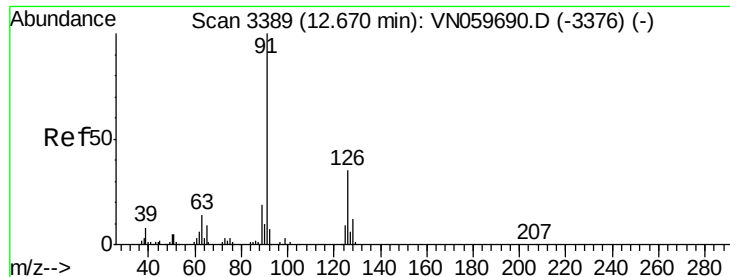
120 23.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.902 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampled :

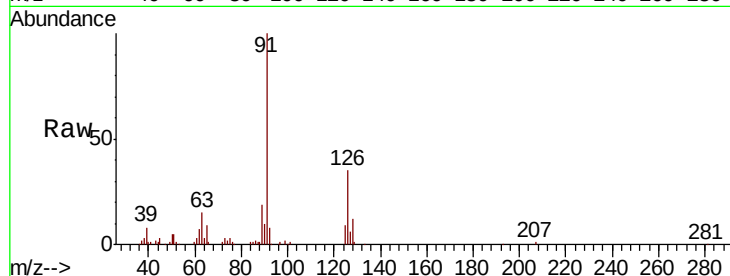
VSTDIC020

Tot Ion: 91 Resp: 117318

Ion Ratio Lower Upper

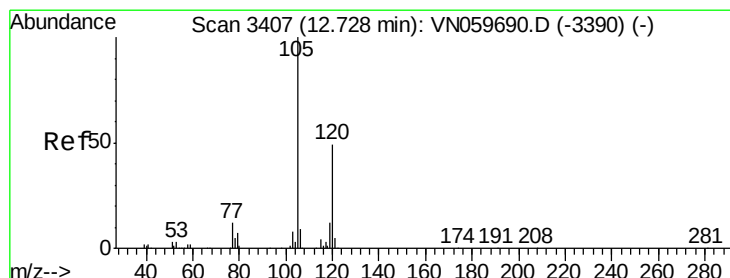
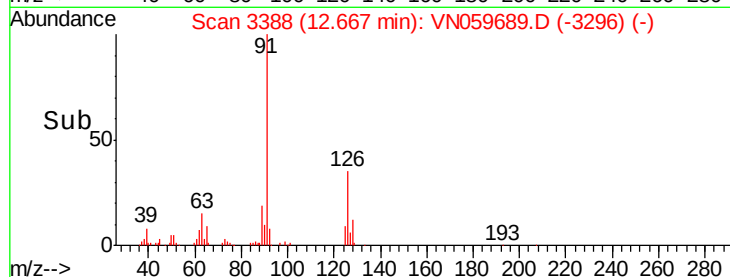
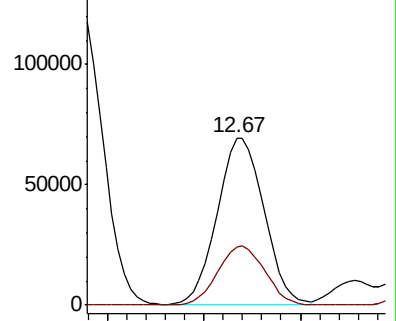
91 100

126 35.5 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: 18.104 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059689.D

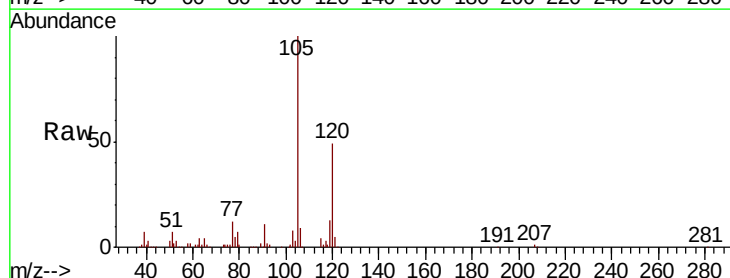
Acq: 13 Jan 2020 14:30

Tgt Ion: 105 Resp: 148773

Ion Ratio Lower Upper

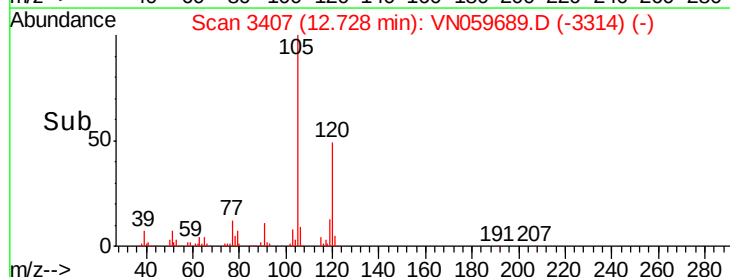
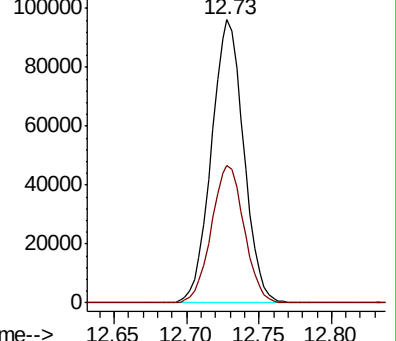
105 100

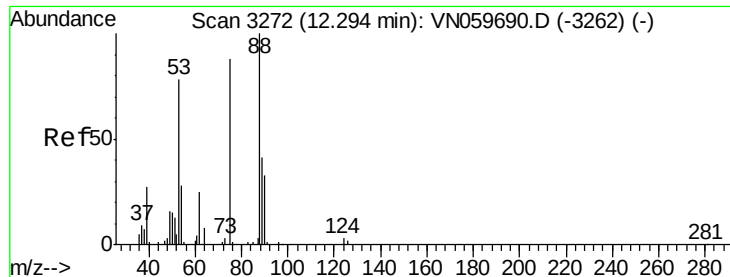
120 49.3 24.1 72.4



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: 15.125 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

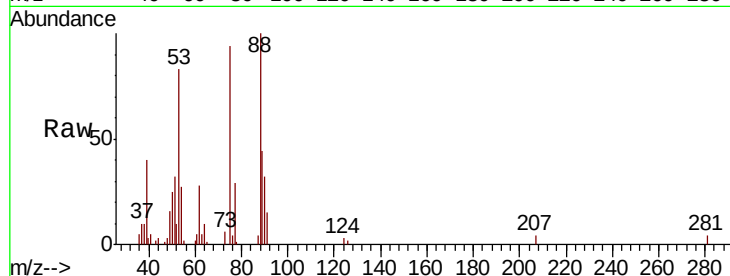
Tot Ion: 75 Resp: 18753

Ion Ratio Lower Upper

75 100

53 89.8 78.1 117.1

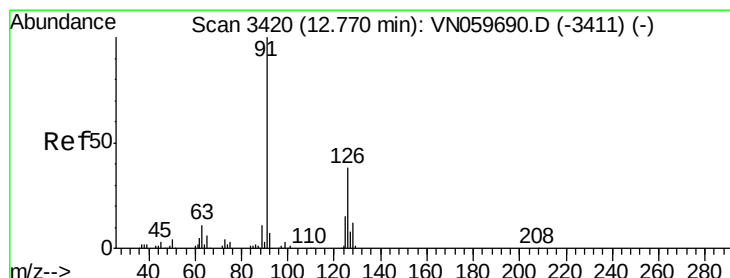
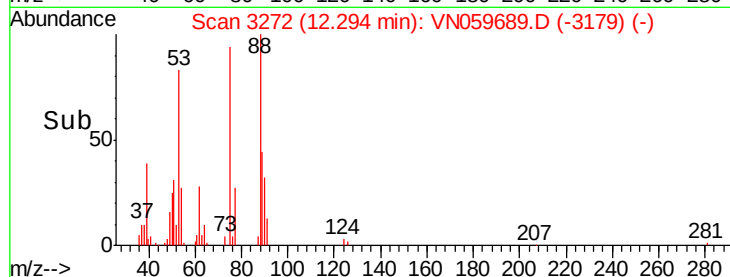
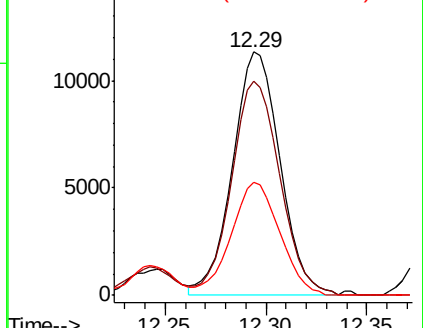
89 47.4 35.4 53.2



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: 16.733 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059689.D

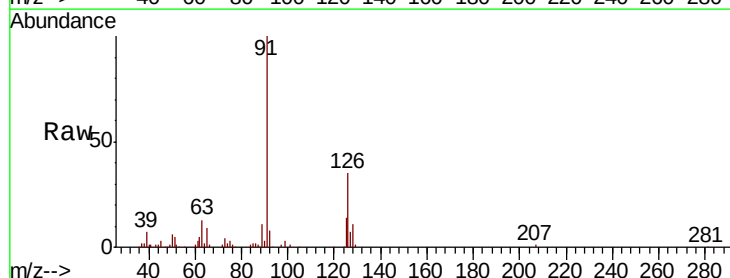
Acq: 13 Jan 2020 14:30

Tgt Ion: 91 Resp: 118920

Ion Ratio Lower Upper

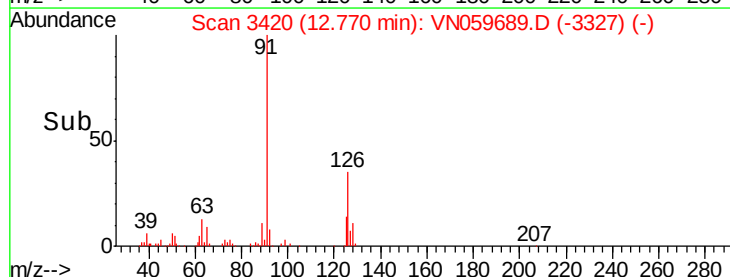
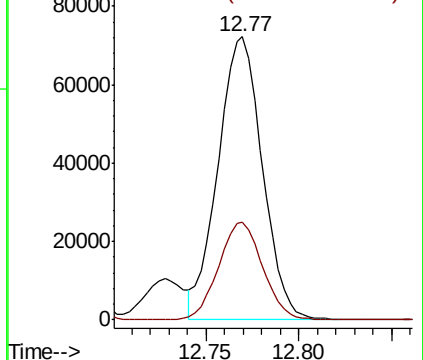
91 100

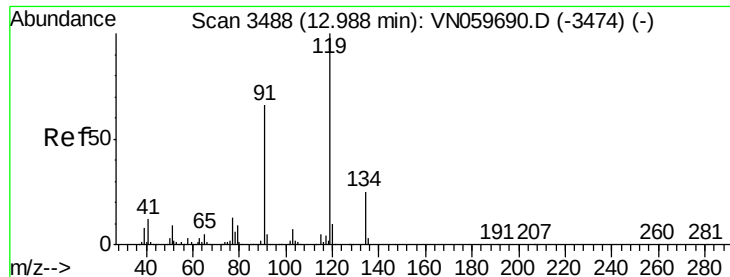
126 34.5 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

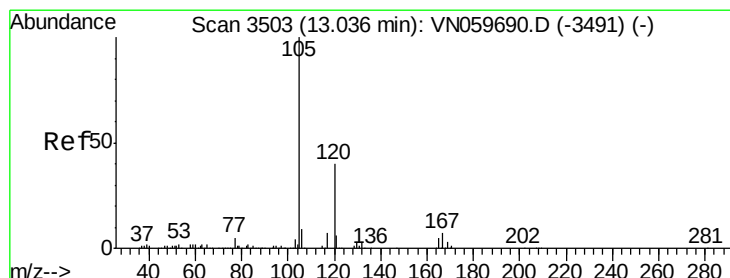
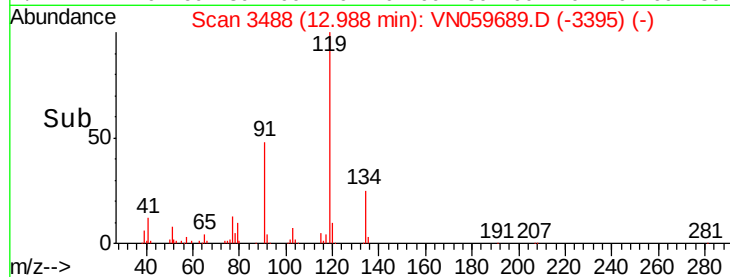
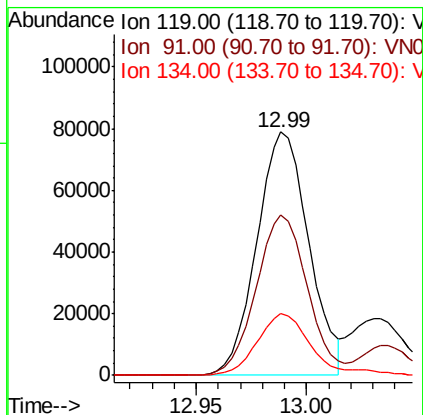
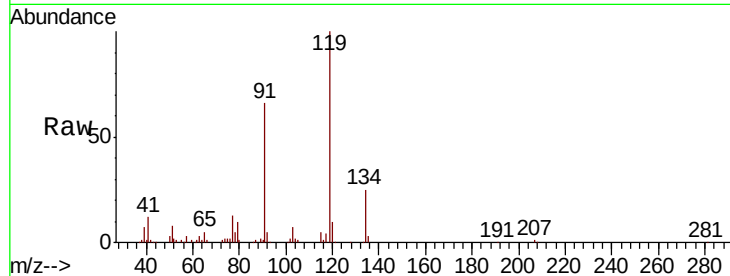




#83
 tert-Butylbenzene
 Concen: 18.524 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

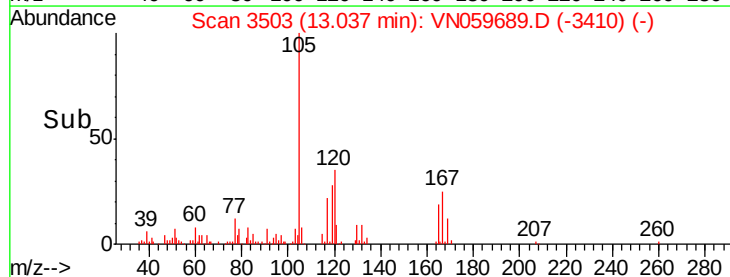
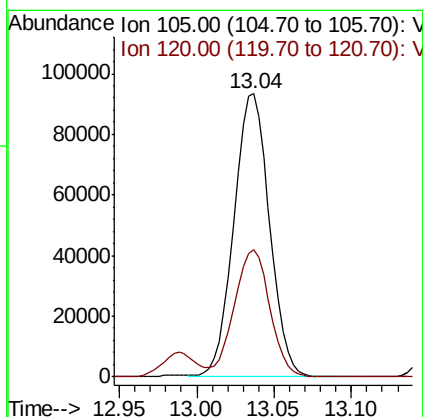
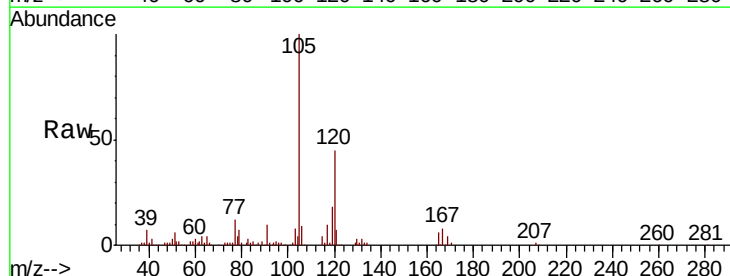
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

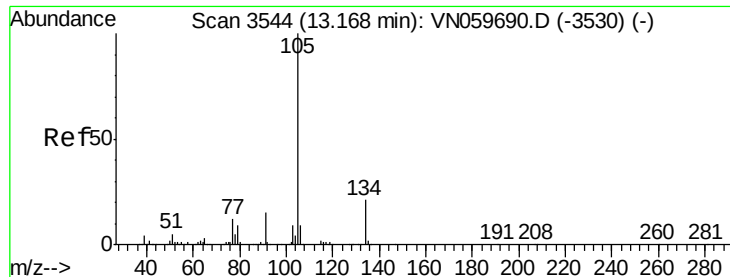
Tot Ion:119 Resp: 128915
 Ion Ratio Lower Upper
 119 100
 91 65.1 34.8 104.4
 134 26.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 18.277 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion:105 Resp: 149345
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 18.385 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

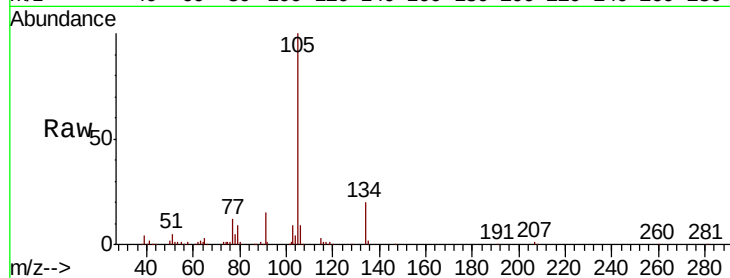
VSTDIC020

Tot Ion:105 Resp: 170198

Ion Ratio Lower Upper

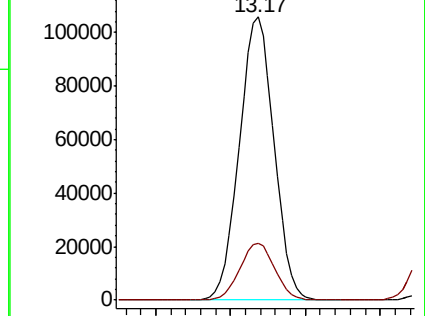
105 100

134 20.2 9.8 29.5

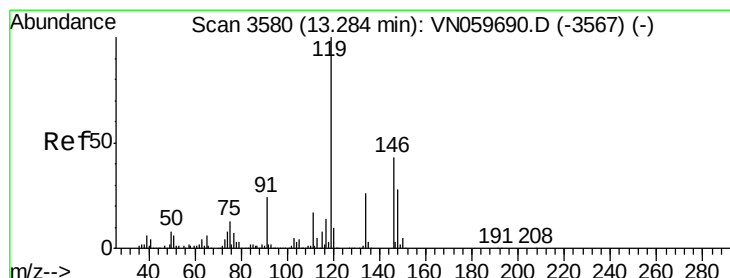
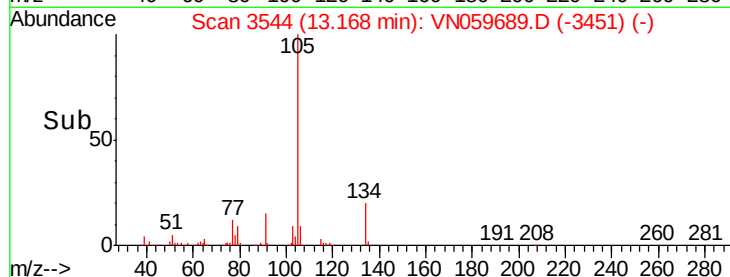


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 18.822 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

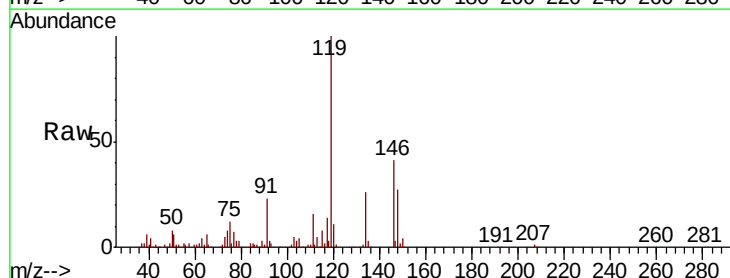
Tgt Ion:119 Resp: 157808

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

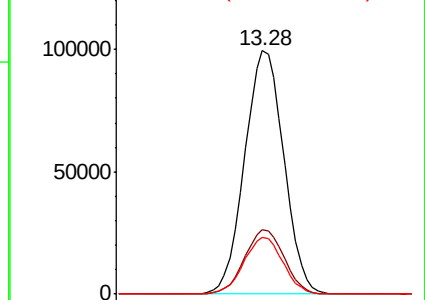
91 23.4 12.4 37.4



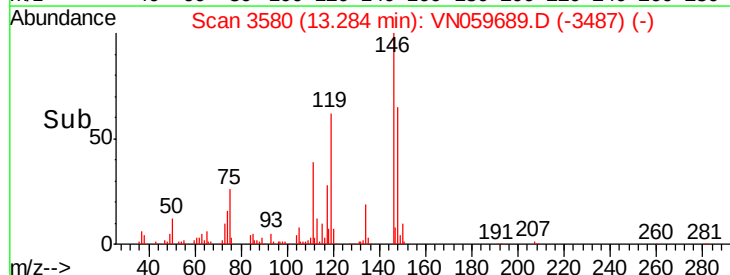
Abundance Ion 119.00 (118.70 to 119.70): V

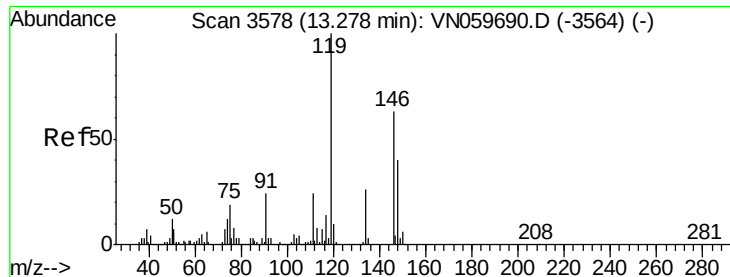
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 17.839 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

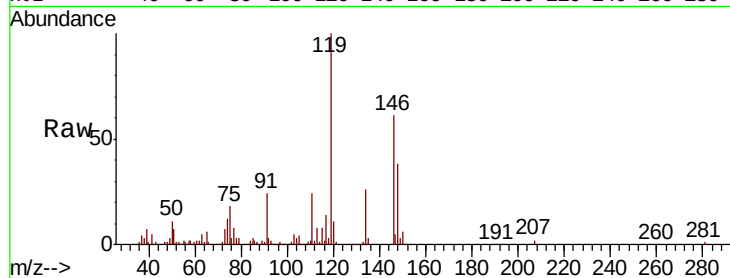
Tot Ion:146 Resp: 78336

Ion Ratio Lower Upper

146 100

111 39.0 20.8 62.2

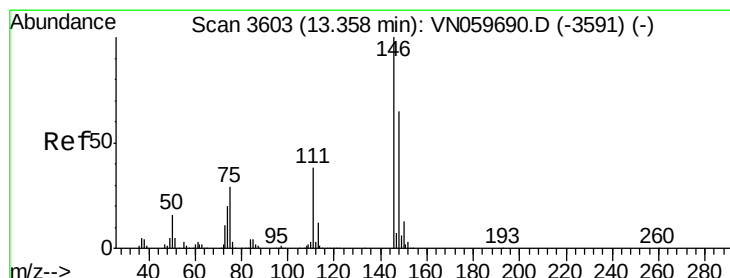
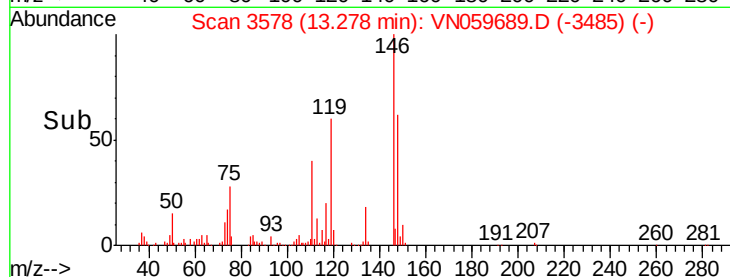
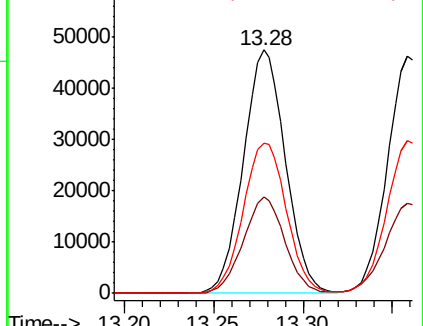
148 63.6 32.0 96.0



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: 17.299 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

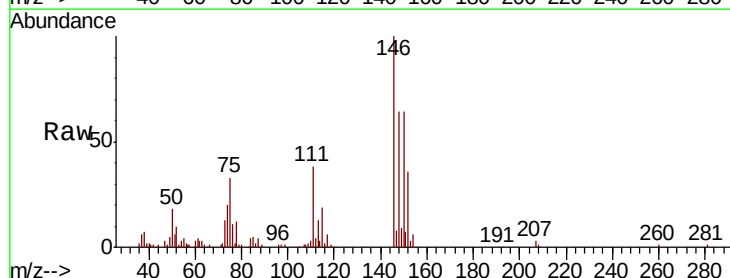
Tgt Ion:146 Resp: 76591

Ion Ratio Lower Upper

146 100

111 39.6 20.8 62.2

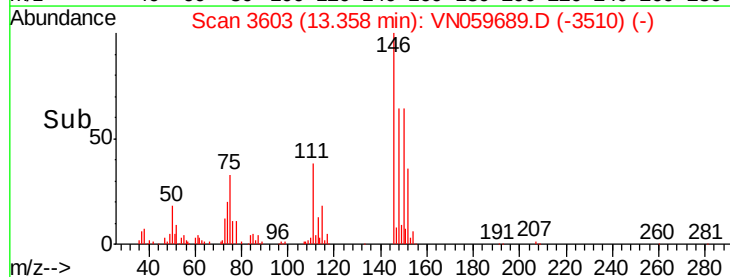
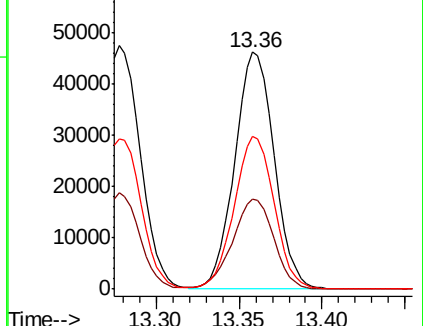
148 65.1 31.8 95.4

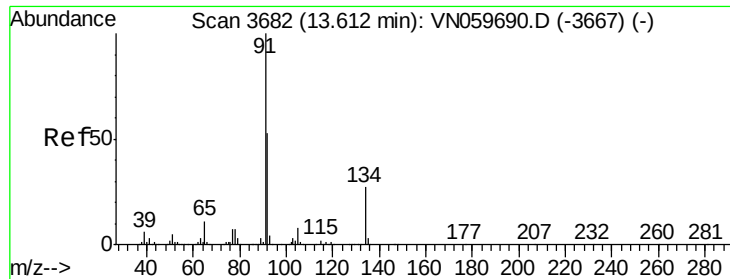


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

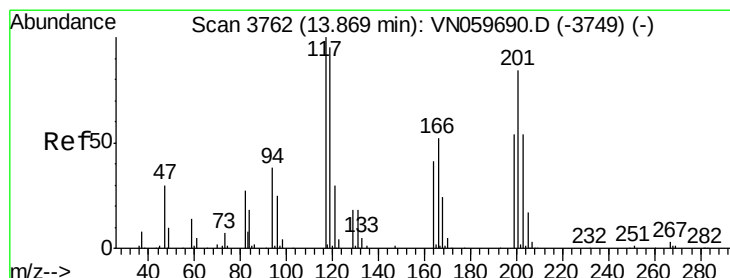
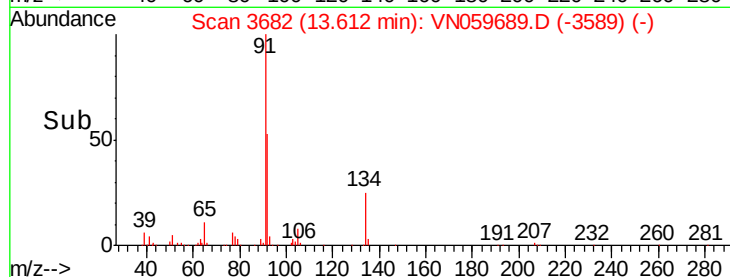
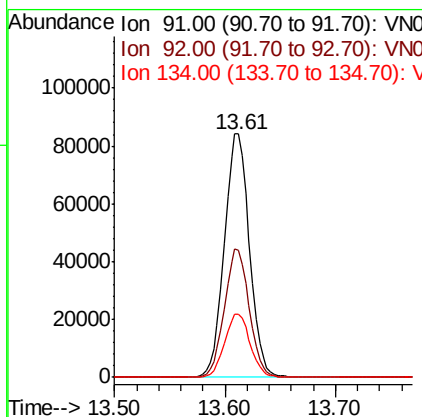
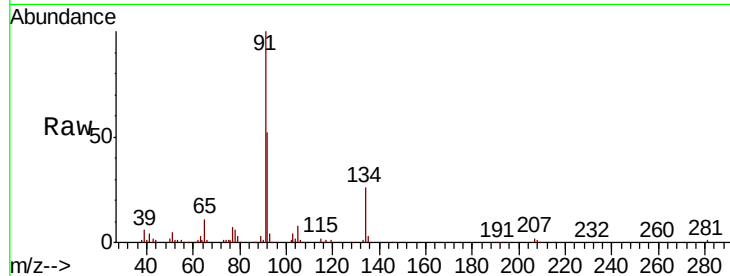




#89
n-Butylbenzene
Concen: 16.917 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

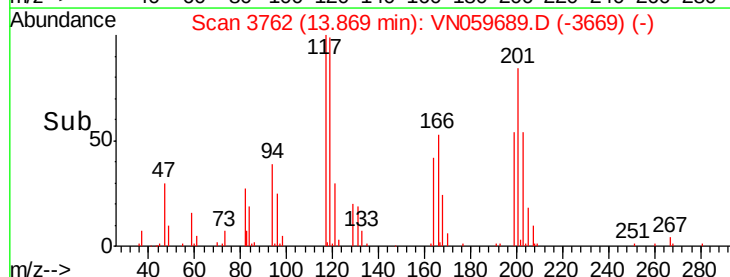
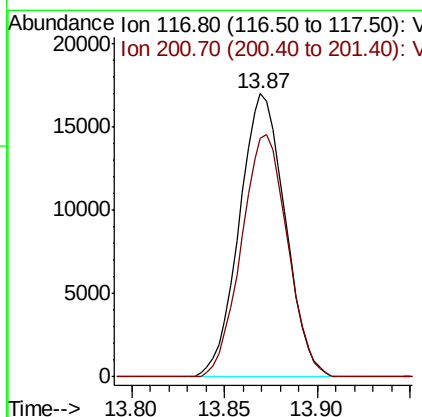
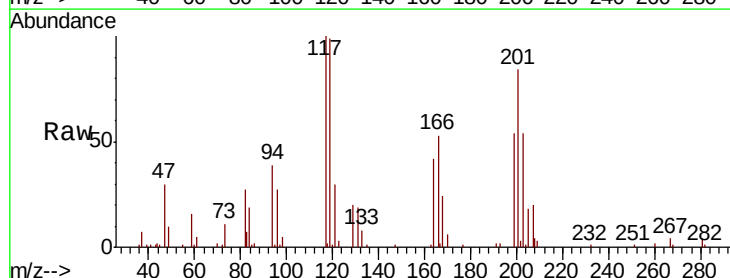
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

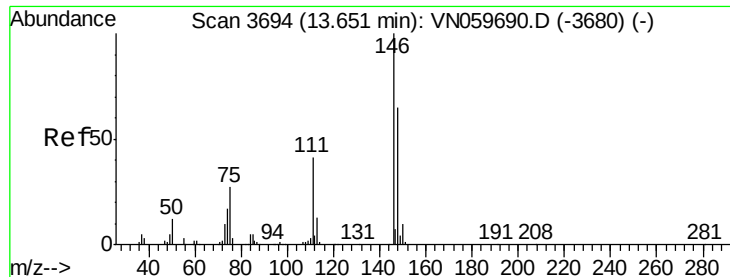
Tot Ion: 91 Resp: 132976
Ion Ratio Lower Upper
91 100
92 52.0 25.9 77.7
134 26.4 12.3 36.8



#90
Hexachloroethane
Concen: 18.389 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 117 Resp: 29144
Ion Ratio Lower Upper
117 100
201 85.8 37.8 113.4

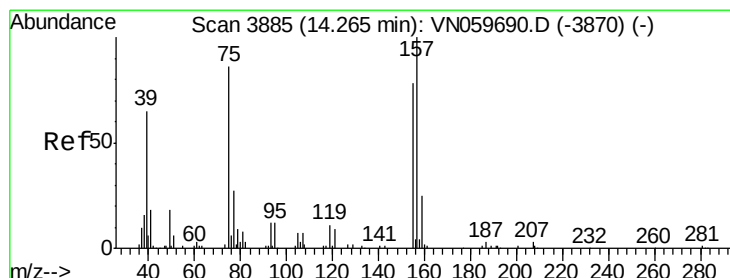
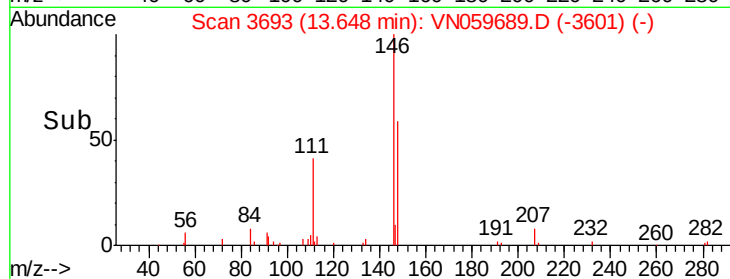
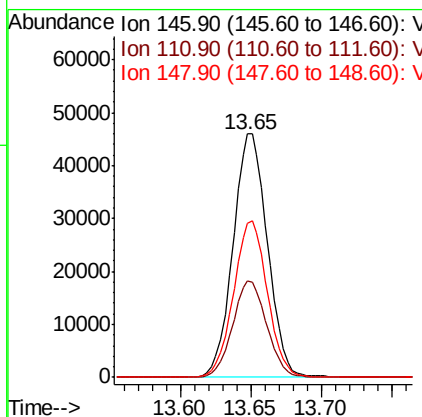
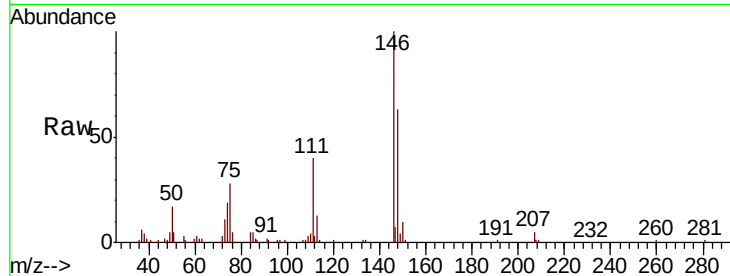




#91
 1,2-Dichlorobenzene
 Concen: 18.119 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

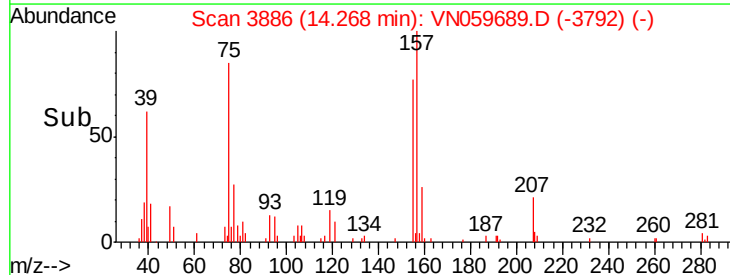
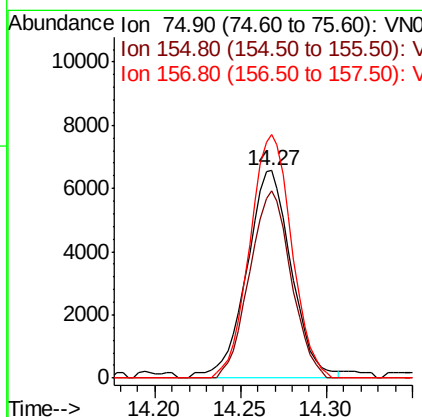
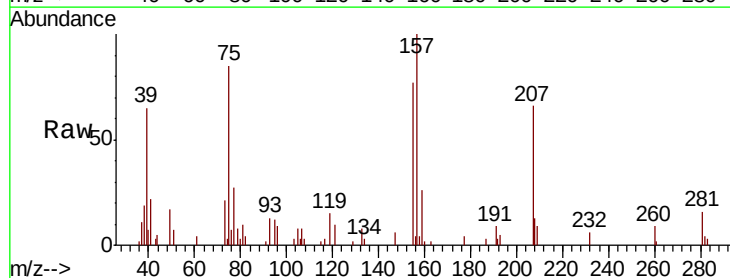
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

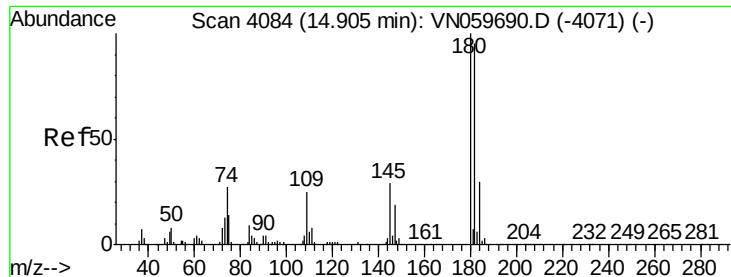
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	64.8
148	63.2	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.044 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	37.0	110.9
157	110.2	48.4	145.2

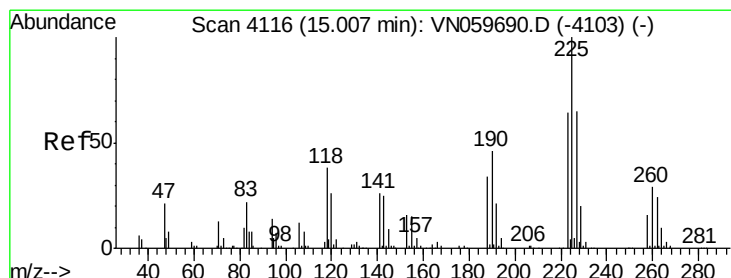
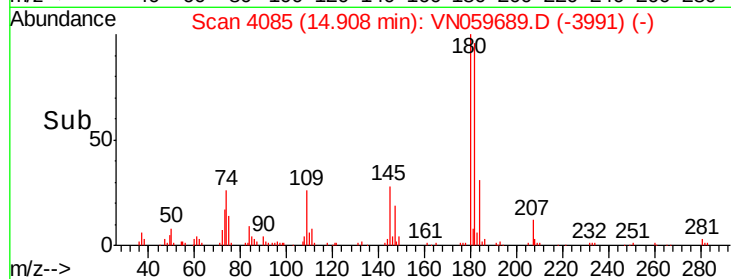
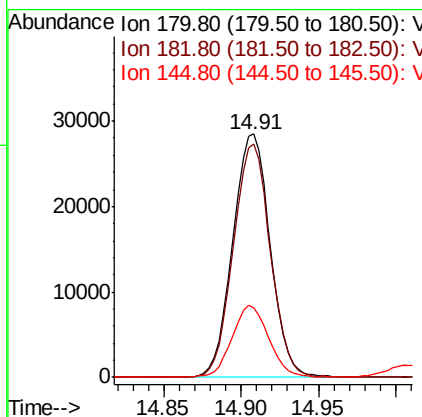
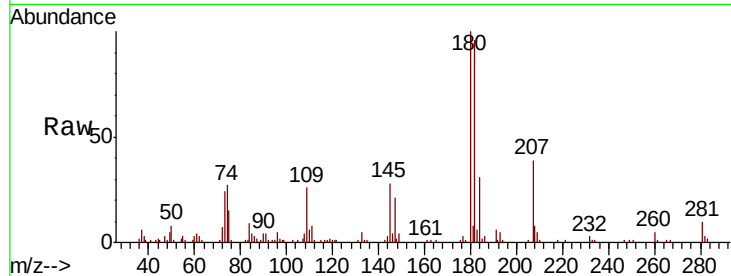




#93
 1,2,4-Trichlorobenzene
 Concen: 17.058 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

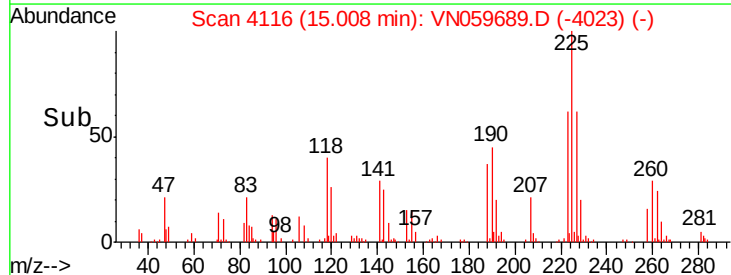
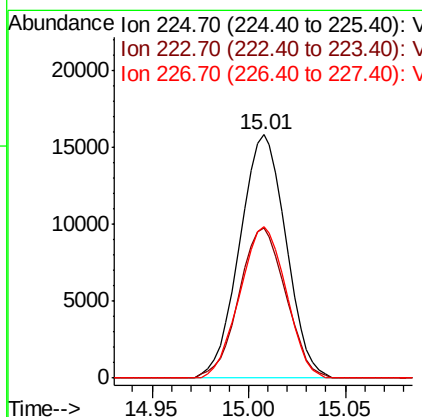
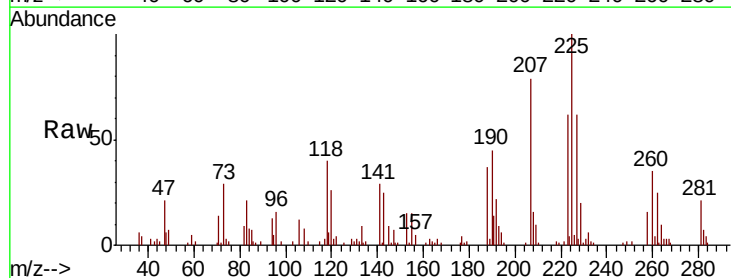
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

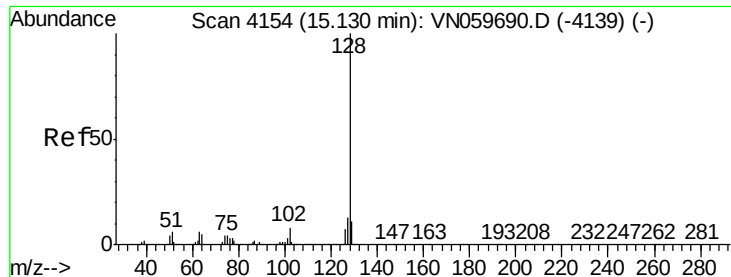
Tot Ion:180 Resp: 47703
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.9 140.7
 145 29.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 17.582 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion:225 Resp: 26330
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.8 95.3
 227 62.2 32.1 96.5





#95

Naphthalene

Concen: 16.053 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

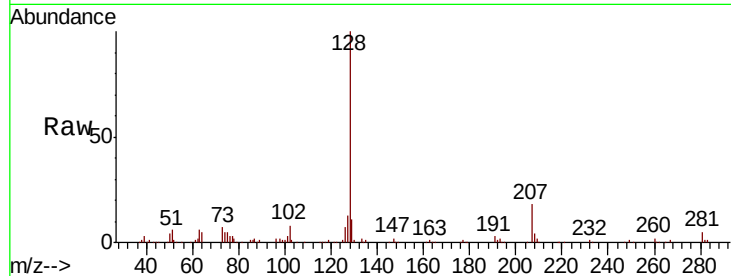
Tot Ion:128 Resp: 134020

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

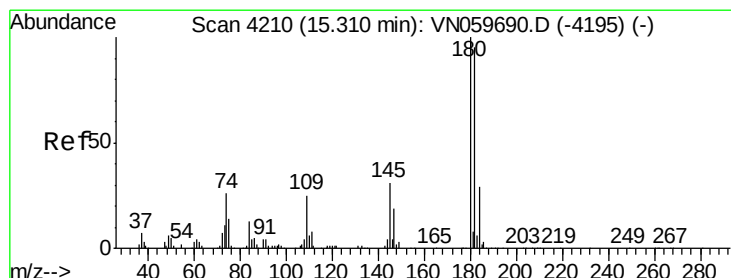
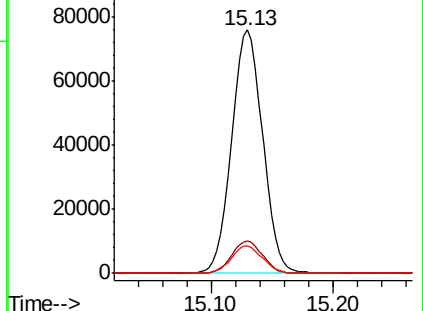
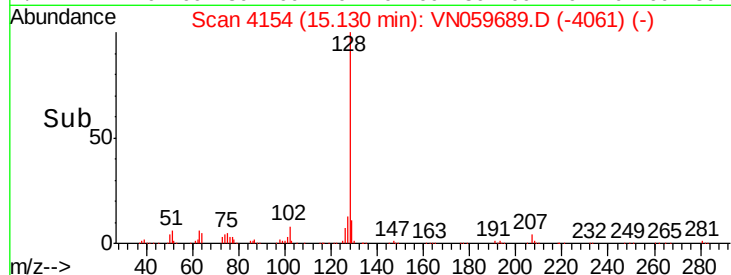
129 11.2 8.6 12.8



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: 16.384 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

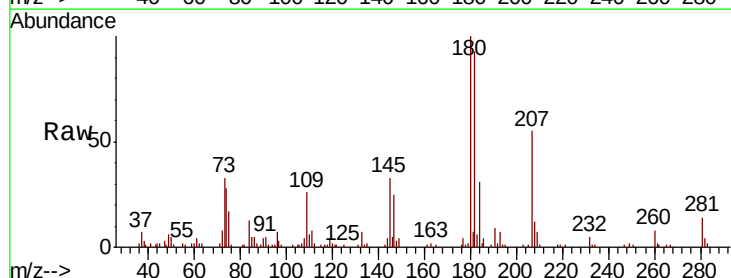
Tgt Ion:180 Resp: 46342

Ion Ratio Lower Upper

180 100

182 94.4 47.4 142.3

145 31.8 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

