

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059804.D
 Acq On : 21 Jan 2020 12:05
 Operator : JC/MD
 Sample : VN0121WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:44:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	315240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	114535	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.56	113	97848	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	10.08	98	374450	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	130399	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47348	19.116	ug/l	99
3) Chloromethane	2.04	50	43997	18.602	ug/l	97
4) Vinyl Chloride	2.17	62	55091	20.357	ug/l	98
5) Bromomethane	2.54	94	34176	20.694	ug/l	98
6) Chloroethane	2.69	64	25358	19.806	ug/l	99
7) Trichlorofluoromethane	3.00	101	65647	20.199	ug/l	97
8) Diethyl Ether	3.38	74	23209	20.349	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37263	20.601	ug/l	92
10) Methyl Iodide	3.93	142	55280	18.907	ug/l	95
11) Tert butyl alcohol	4.73	59	35773	92.622	ug/l	98
12) 1,1-Dichloroethene	3.72	96	37101	19.629	ug/l	86
13) Acrolein	3.58	56	17122	62.626	ug/l	98
14) Allyl chloride	4.29	41	53585	21.033	ug/l #	92
15) Acrylonitrile	4.94	53	84347	95.739	ug/l	99
16) Acetone	3.78	43	77437	92.660	ug/l	95
17) Carbon Disulfide	4.03	76	99083	18.402	ug/l	99
18) Methyl Acetate	4.29	43	51287	19.138	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	121415	19.702	ug/l	98
20) Methylene Chloride	4.52	84	42619	19.750	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	38637	19.231	ug/l	86
22) Diisopropyl ether	5.91	45	111774	19.360	ug/l #	92
23) Vinyl Acetate	5.86	43	428650	95.895	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	69592	19.727	ug/l	98
25) 2-Butanone	6.80	43	111197	85.588	ug/l	91
26) 2,2-Dichloropropane	6.79	77	65850	19.417	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	46210	19.997	ug/l	86
28) Bromochloromethane	7.17	49	26899	19.078	ug/l #	69
29) Tetrahydrofuran	7.18	42	72264	89.897	ug/l #	87
30) Chloroform	7.35	83	73095	19.998	ug/l	99
31) Cyclohexane	7.63	56	62076	18.287	ug/l #	86
32) 1,1,1-Trichloroethane	7.54	97	66963	19.814	ug/l	95
36) 1,1-Dichloropropene	7.77	75	54533	19.865	ug/l	97
37) Ethyl Acetate	6.90	43	46956	18.237	ug/l	96
38) Carbon Tetrachloride	7.75	117	60055	20.111	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	66479	19.640	ug/l	90
40) Benzene	8.02	78	161108	19.678	ug/l	99
41) Methacrylonitrile	7.18	41	68034	53.645	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	56844	20.478	ug/l	97
43) Isopropyl Acetate	8.14	43	80545	18.187	ug/l #	94
44) Trichloroethene	8.82	130	47372	21.195	ug/l	95
45) 1,2-Dichloropropane	9.10	63	41344	20.407	ug/l	97
46) Dibromomethane	9.19	93	28915	20.233	ug/l	91
47) Bromodichloromethane	9.38	83	59086	20.517	ug/l	97
48) Methyl methacrylate	9.18	41	35802	18.073	ug/l	89
49) 1,4-Dioxane	9.18	88	15220	419.697	ug/l	87
51) 4-Methyl-2-Pentanone	9.97	43	234259	91.503	ug/l	94
52) Toluene	10.14	92	103503	20.014	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	63922	19.878	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	68728	20.313	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	40827	19.933	ug/l	97
56) Ethyl methacrylate	10.42	69	58386	18.656	ug/l	92
57) 1,3-Dichloropropane	10.70	76	66420	20.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	95556	101.369	ug/l #	90
59) 2-Hexanone	10.74	43	169122	89.670	ug/l	94
60) Dibromochloromethane	10.89	129	47613	20.414	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43120	20.086	ug/l	98
64) Tetrachloroethene	10.62	164	48810	21.138	ug/l	95
65) Chlorobenzene	11.43	112	113796	20.435	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	45513	21.152	ug/l	97
67) Ethyl Benzene	11.50	91	202998	20.081	ug/l	98
68) m/p-Xylenes	11.62	106	153649	40.237	ug/l	93
69) o-Xylene	11.94	106	75025	20.068	ug/l	94
70) Styrene	11.96	104	119924	19.170	ug/l	97
71) Bromoform	12.12	173	35087	20.357	ug/l #	98
73) Isopropylbenzene	12.24	105	200811	20.498	ug/l	100
74) N-amyl acetate	12.07	43	67955	17.877	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	55200	19.437	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	73582	32.733	ug/l #	100
77) Bromobenzene	12.52	156	51156	20.621	ug/l	80
78) n-propylbenzene	12.59	91	222503	20.236	ug/l	97
79) 2-Chlorotoluene	12.67	91	132129	20.200	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	167814	20.369	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19370	18.504	ug/l	97
82) 4-Chlorotoluene	12.77	91	132394	20.179	ug/l	95
83) tert-Butylbenzene	12.99	119	148113	20.786	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	166377	20.413	ug/l	98
85) sec-Butylbenzene	13.17	105	189879	20.282	ug/l	99
86) p-Isopropyltoluene	13.28	119	174392	20.132	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	87326	20.264	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	87827	20.430	ug/l	98
89) n-Butylbenzene	13.61	91	145614	19.715	ug/l	98
90) Hexachloroethane	13.87	117	31924	19.697	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	88175	20.697	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11946	18.272	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50642	19.783	ug/l	100
94) Hexachlorobutadiene	15.01	225	28316	20.073	ug/l	99
95) Naphthalene	15.13	128	130342	17.901	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48595	19.503	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

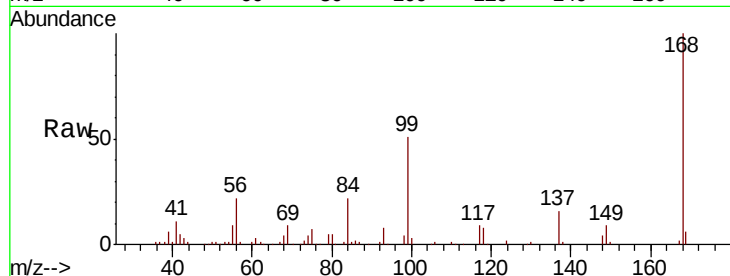
ClientSampleId :

Tot Ion:168 Resp: 206591

Ion Ratio Lower Upper

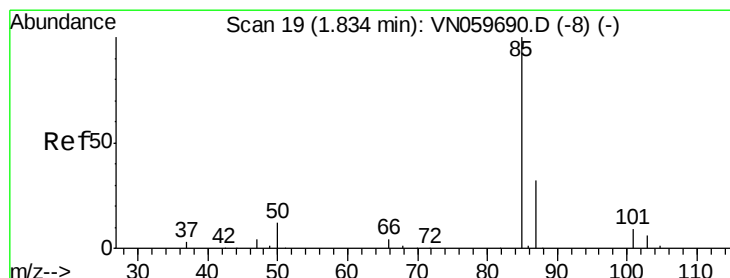
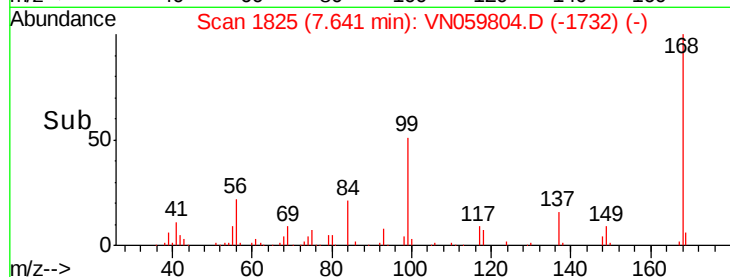
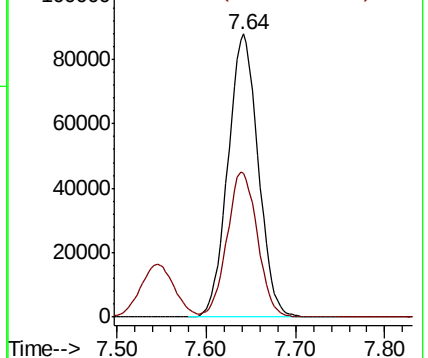
168 100

99 50.9 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: 19.116 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059804.D

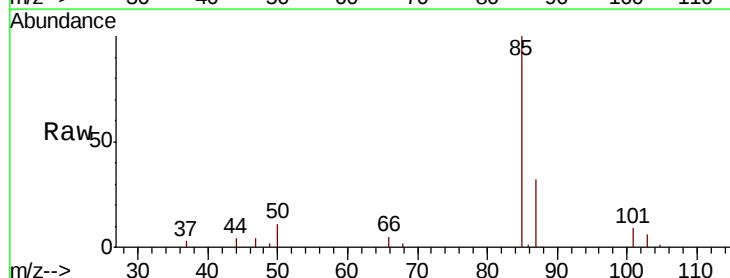
Acq: 21 Jan 2020 12:05

Tgt Ion: 85 Resp: 47348

Ion Ratio Lower Upper

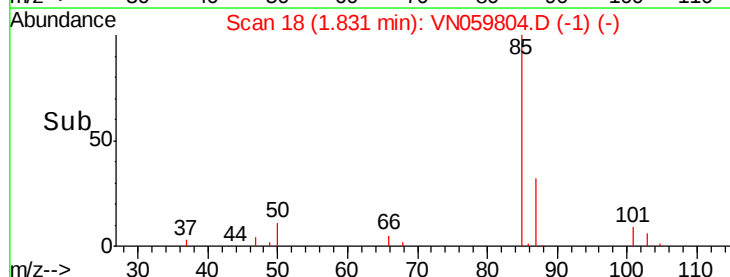
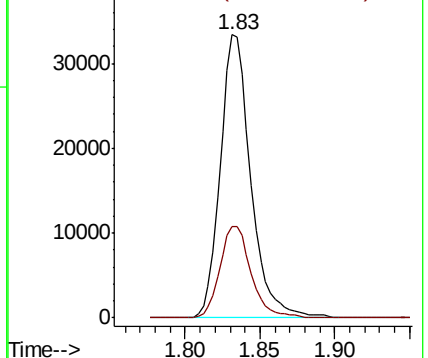
85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.602 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

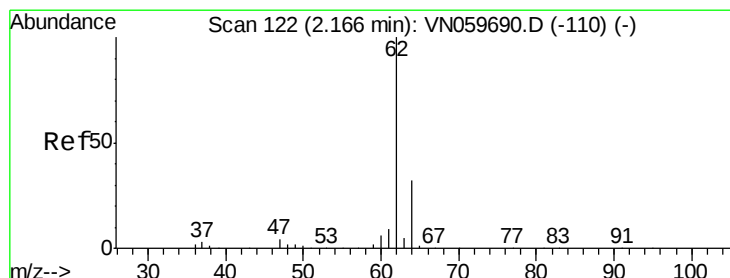
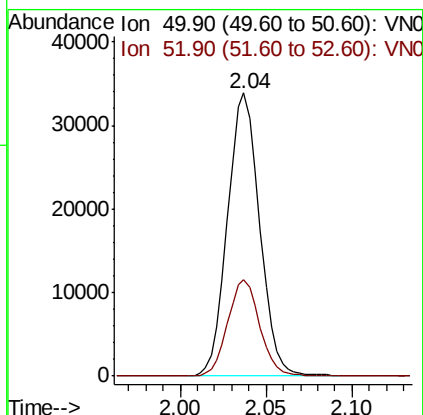
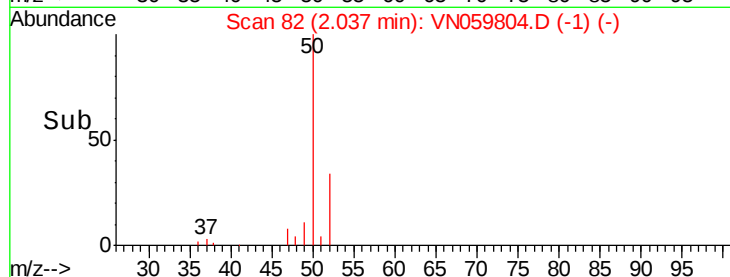
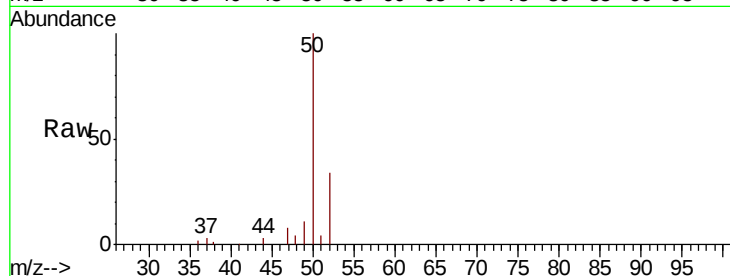
ClientSampleId :

Tot Ion: 50 Resp: 43997

Ion Ratio Lower Upper

50 100

52 34.1 25.9 38.9



#4

Vinyl Chloride

Concen: 20.357 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059804.D

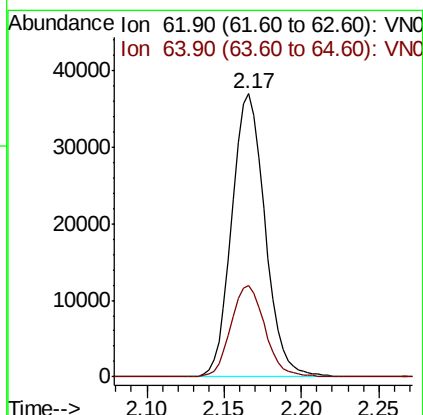
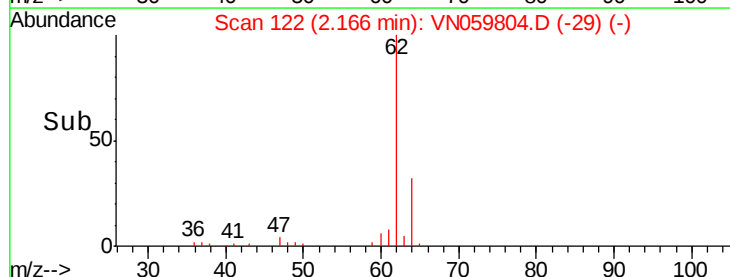
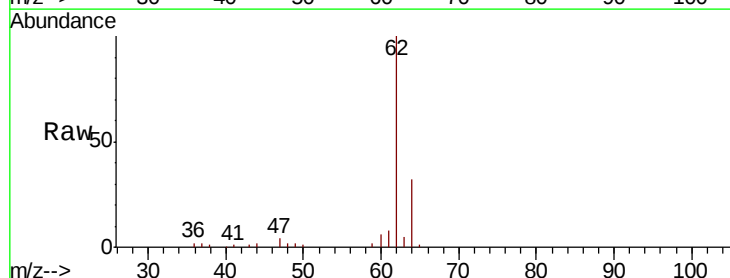
Acq: 21 Jan 2020 12:05

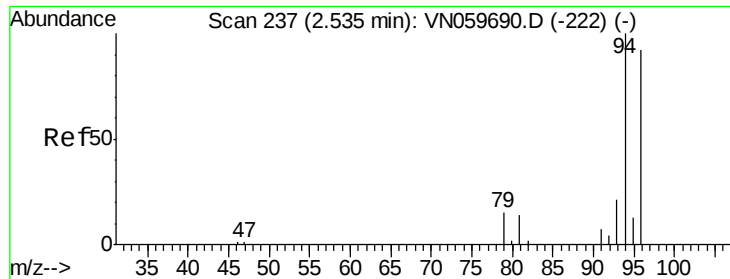
Tgt Ion: 62 Resp: 55091

Ion Ratio Lower Upper

62 100

64 32.2 24.6 37.0

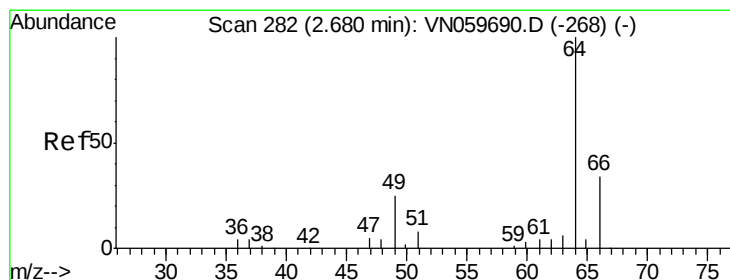
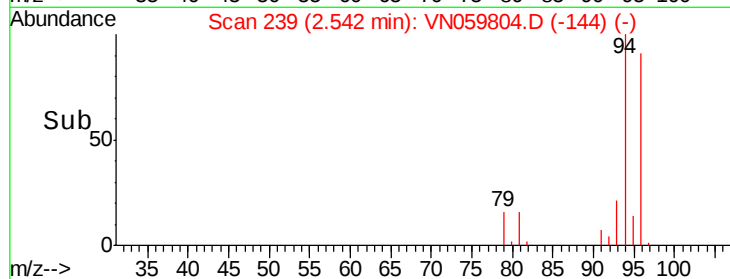
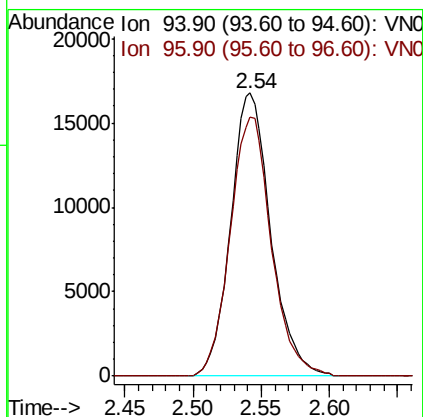
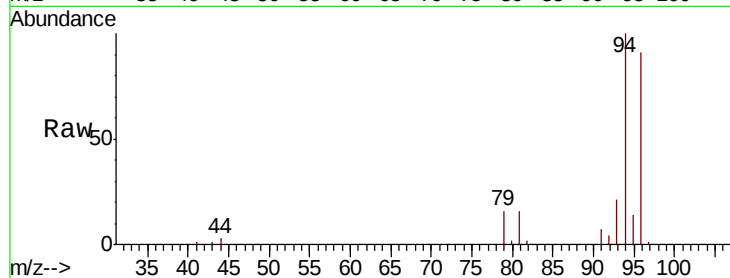




#5
Bromomethane
Concen: 20.694 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

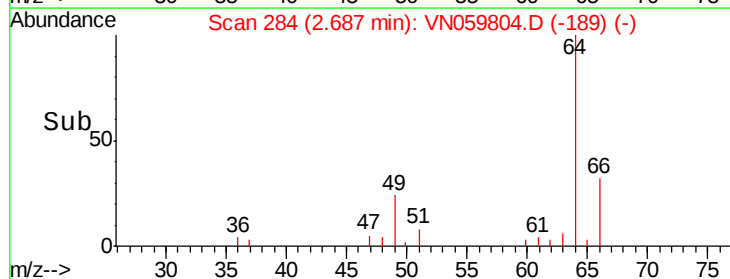
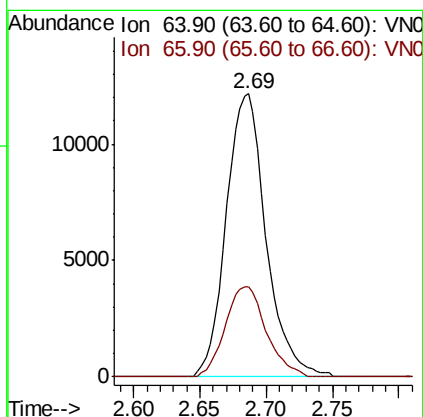
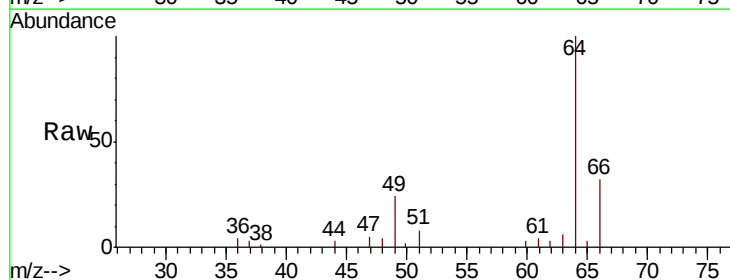
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 34176
Ion Ratio Lower Upper
94 100
96 91.5 74.7 112.1



#6
Chloroethane
Concen: 19.806 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 64 Resp: 25358
Ion Ratio Lower Upper
64 100
66 31.9 25.1 37.7



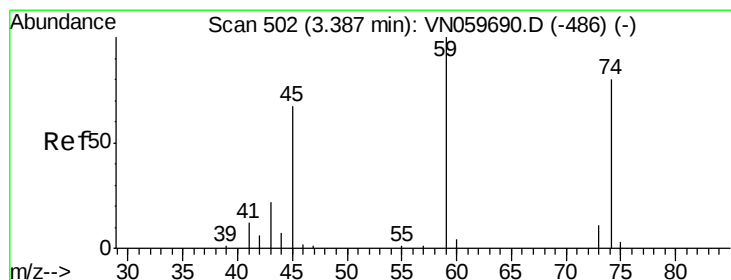
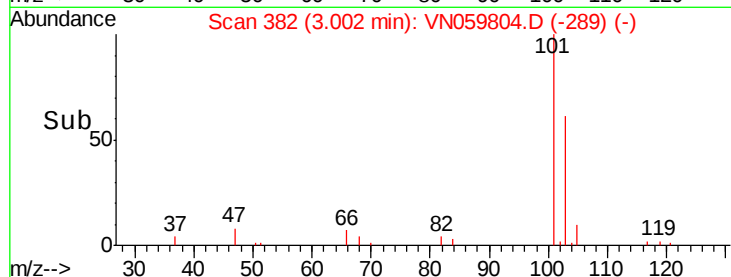
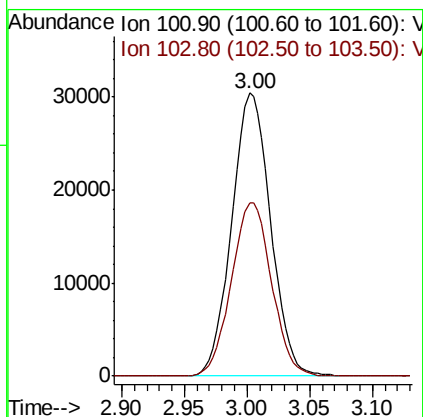
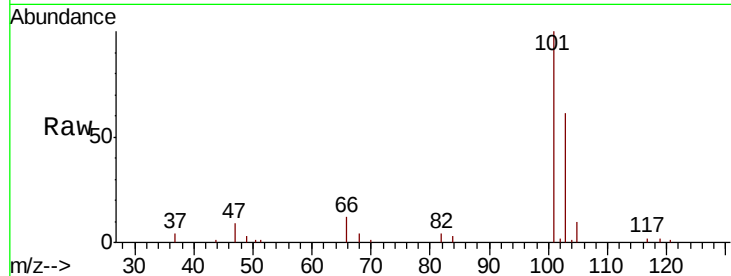


#7

Trichlorofluoromethane
Concen: 20.199 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Instrument :
MSVOA_N
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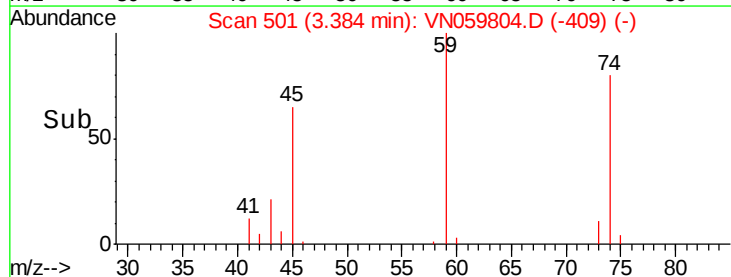
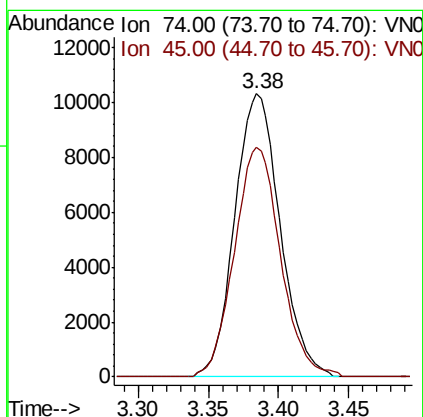
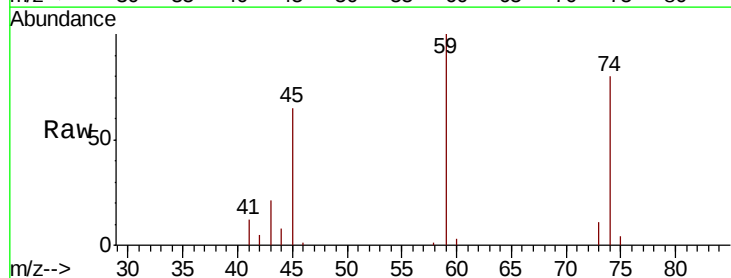
Tot Ion:101 Resp: 65647
Ion Ratio Lower Upper
101 100
103 61.2 51.0 76.6

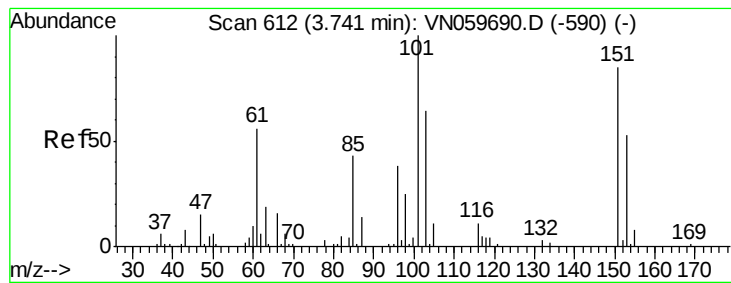


#8

Diethyl Ether
Concen: 20.349 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 74 Resp: 23209
Ion Ratio Lower Upper
74 100
45 82.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.601 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

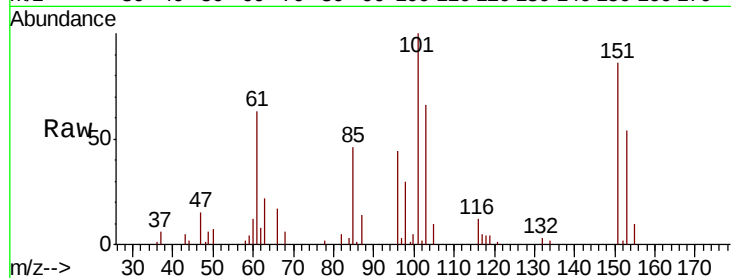
Tot Ion:101 Resp: 37263

Ion Ratio Lower Upper

101 100

85 44.5 36.6 54.8

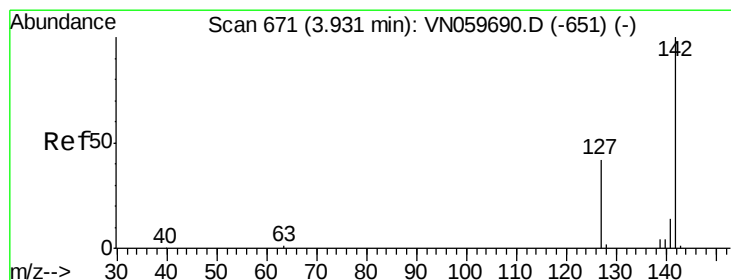
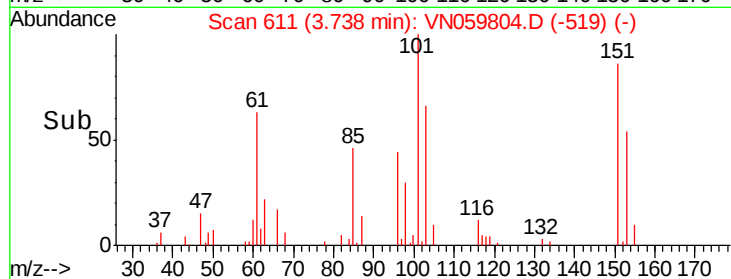
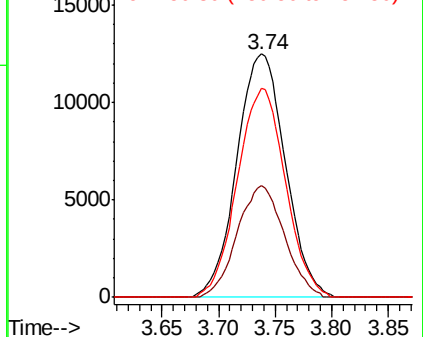
151 84.9 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.907 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

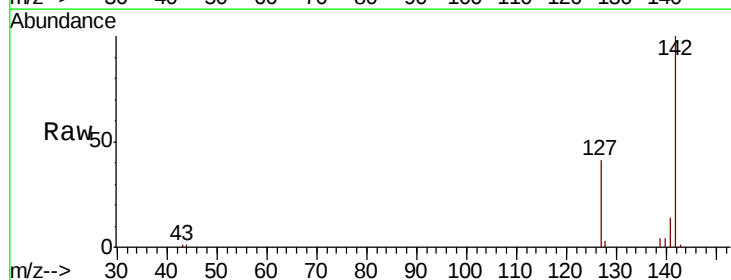
Tgt Ion:142 Resp: 55280

Ion Ratio Lower Upper

142 100

127 41.9 36.7 55.1

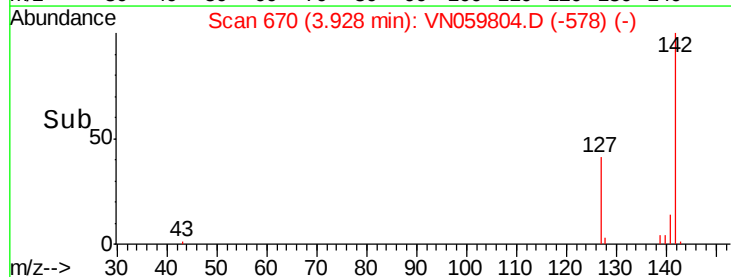
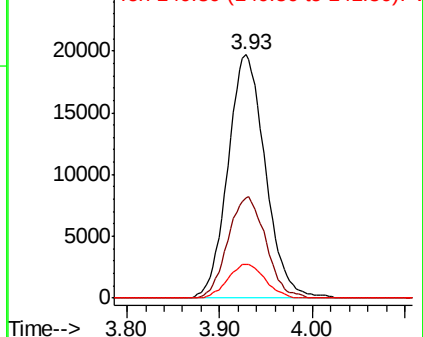
141 13.9 11.7 17.5



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

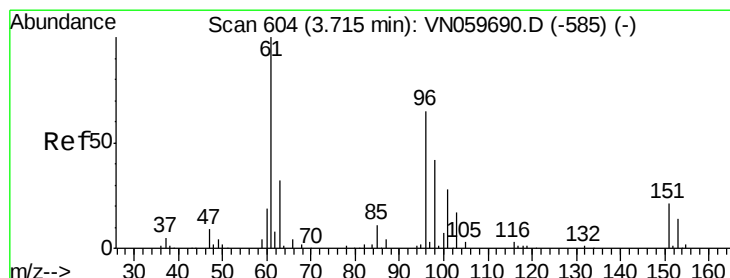
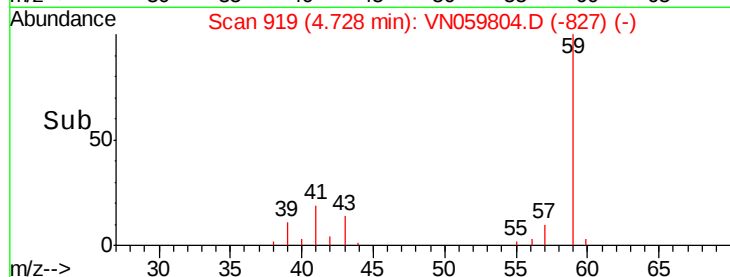
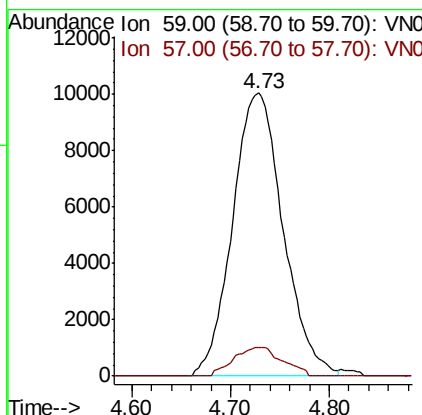
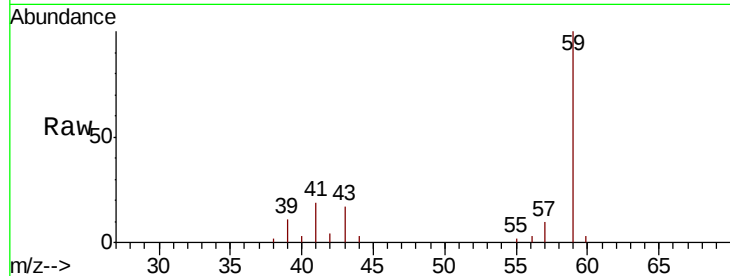




#11
Tert butyl alcohol
Concen: 92.622 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

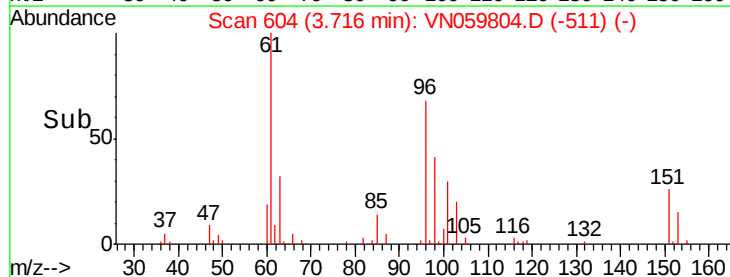
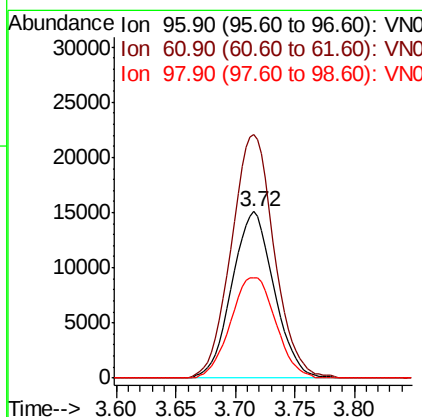
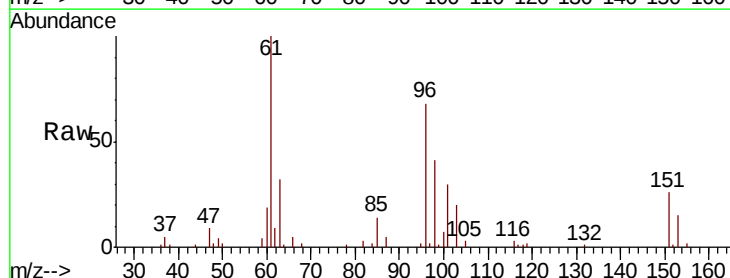
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 35773
Ion Ratio Lower Upper
59 100
57 9.8 8.6 12.8



#12
1,1-Dichloroethene
Concen: 19.629 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 96 Resp: 37101
Ion Ratio Lower Upper
96 100
61 146.2 137.5 206.3
98 60.4 50.2 75.4





#13

Acrolein

Concen: 62.626 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

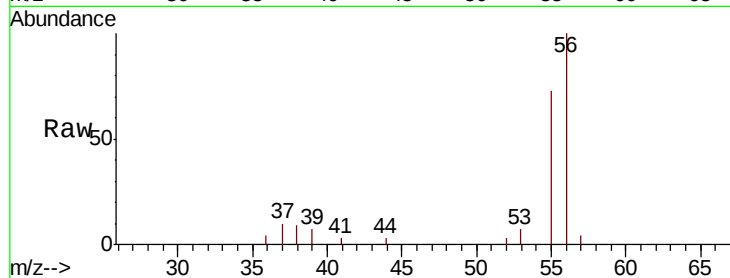
ClientSampleId :

Tot Ion: 56 Resp: 17122

Ion Ratio Lower Upper

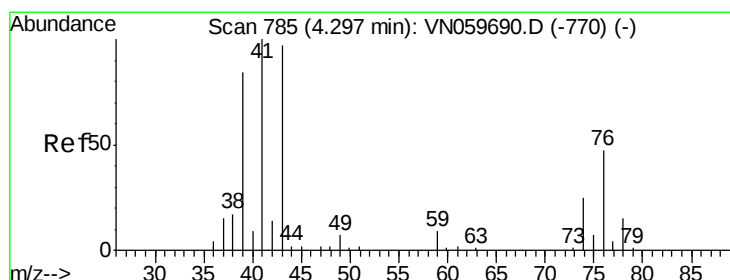
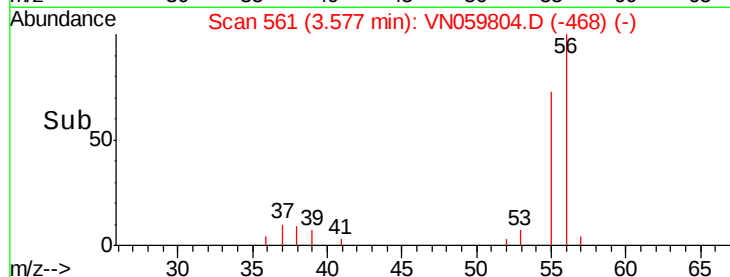
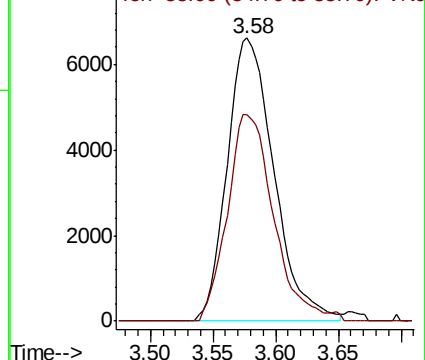
56 100

55 71.7 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: 21.033 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

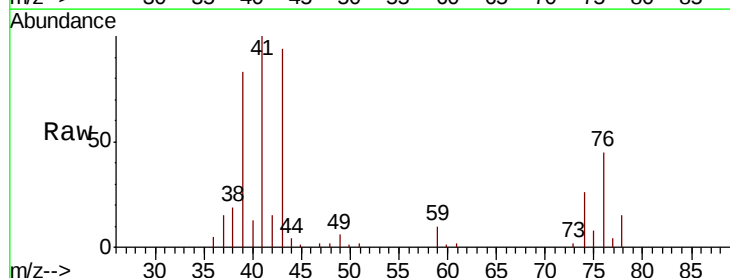
Tgt Ion: 41 Resp: 53585

Ion Ratio Lower Upper

41 100

39 75.8 57.8 86.8

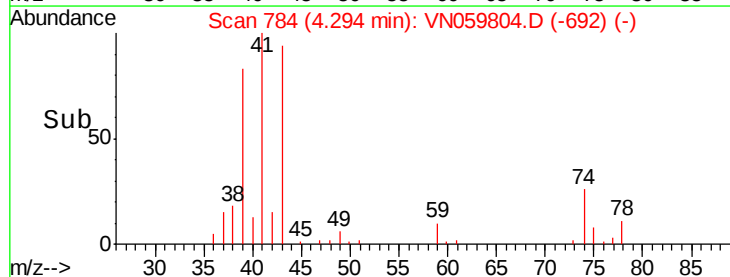
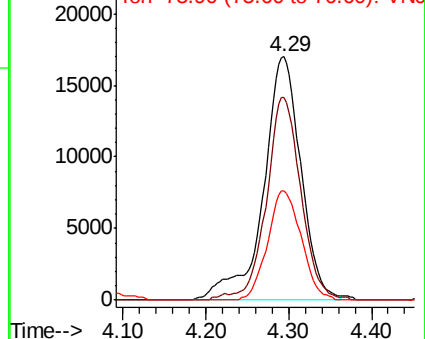
76 40.3 25.4 38.0#

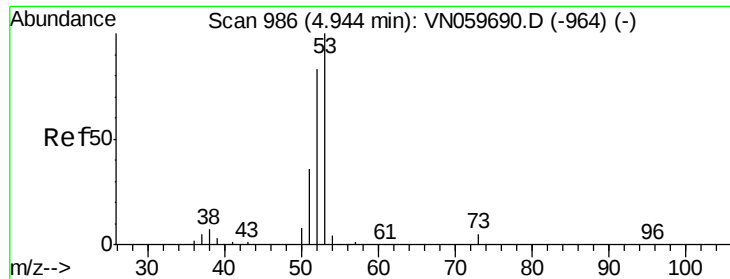


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 95.739 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

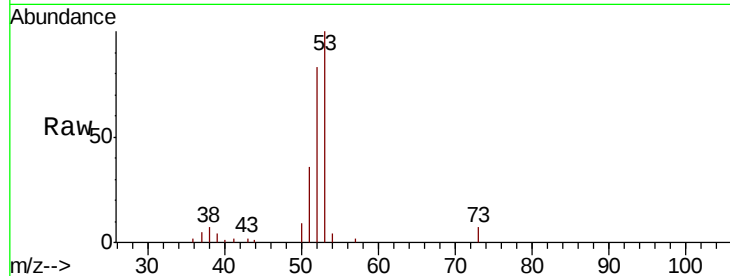
Tot Ion: 53 Resp: 84347

Ion Ratio Lower Upper

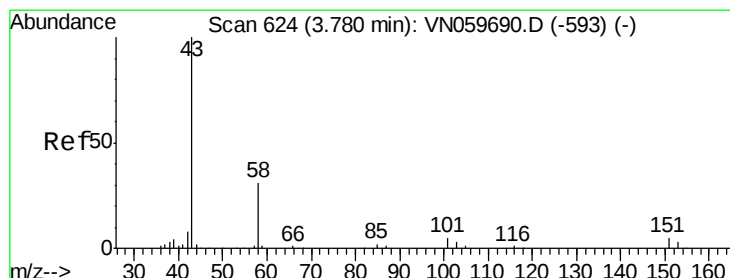
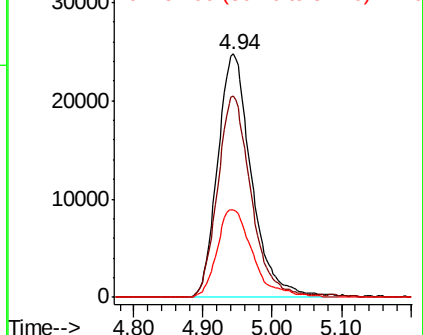
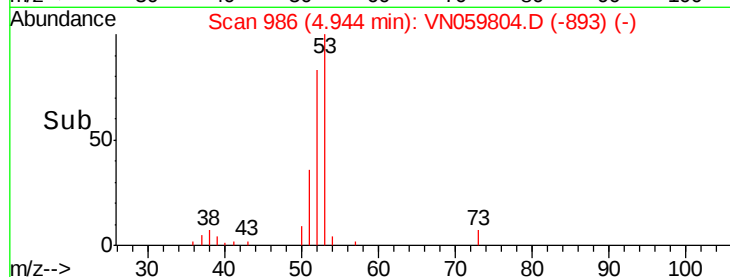
53 100

52 81.6 66.3 99.5

51 37.8 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059804.D (-964) (-)



#16

Acetone

Concen: 92.660 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059804.D

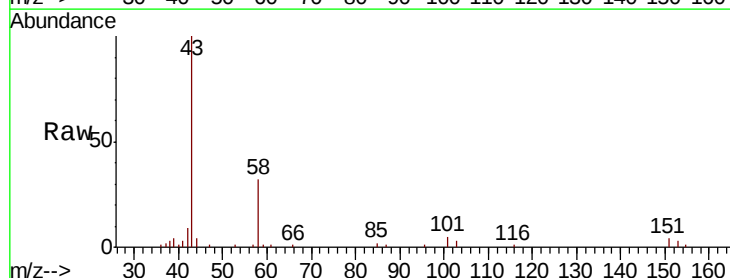
Acq: 21 Jan 2020 12:05

Tgt Ion: 43 Resp: 77437

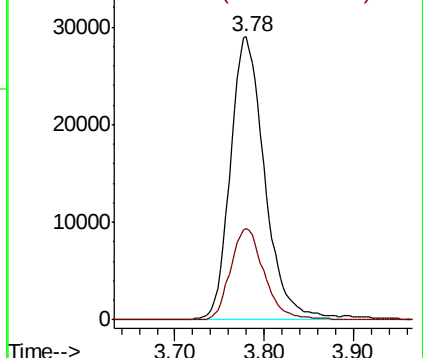
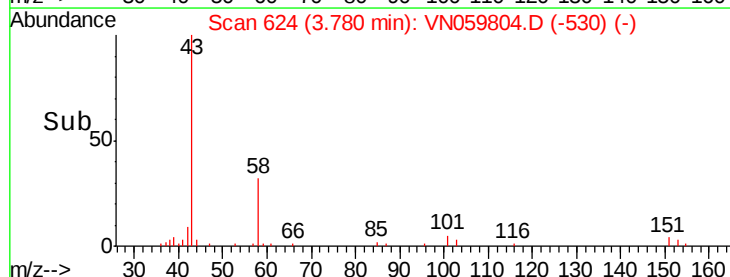
Ion Ratio Lower Upper

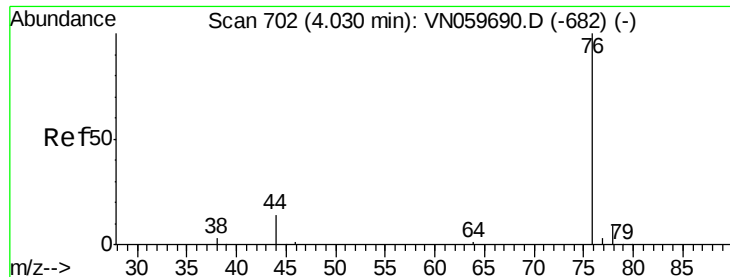
43 100

58 32.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059804.D (-593) (-)





#17

Carbon Disulfide

Concen: 18.402 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

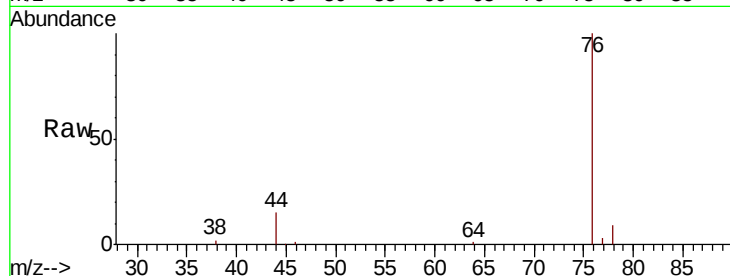
ClientSampleId :

Tot Ion: 76 Resp: 99083

Ion Ratio Lower Upper

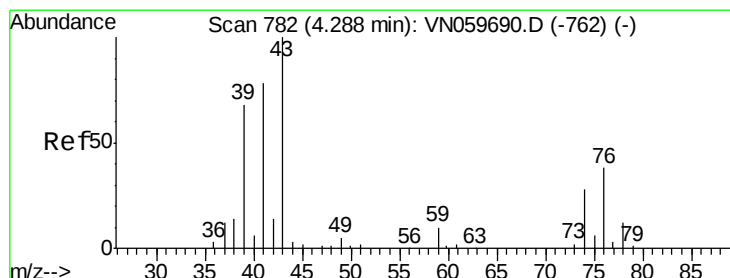
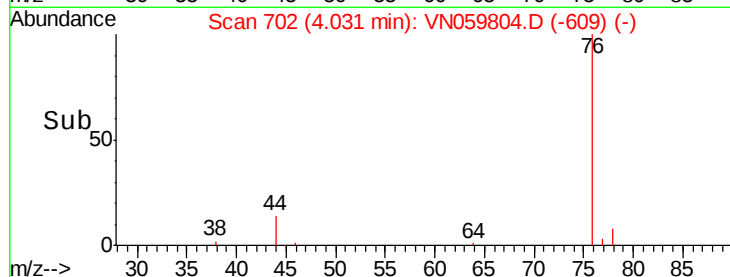
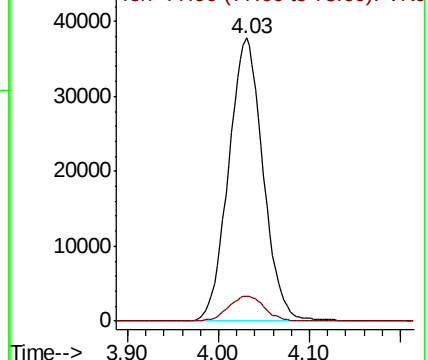
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.138 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059804.D

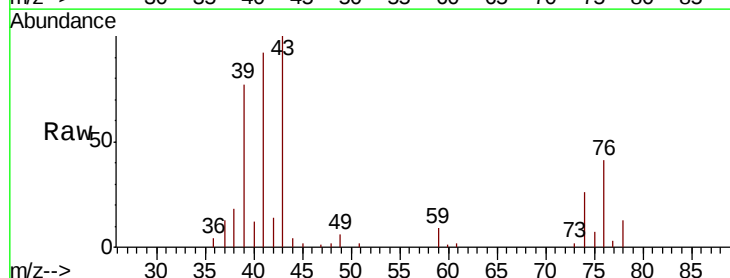
Acq: 21 Jan 2020 12:05

Tgt Ion: 43 Resp: 51287

Ion Ratio Lower Upper

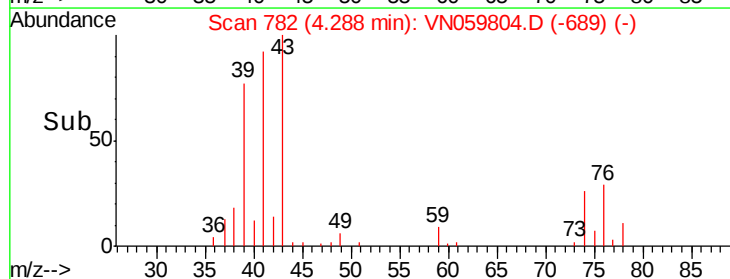
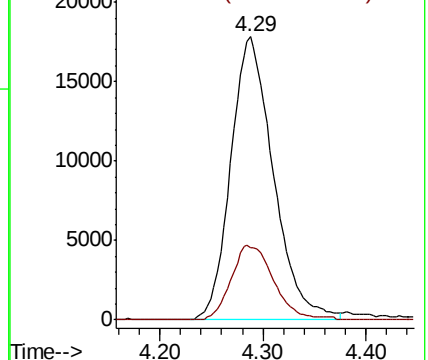
43 100

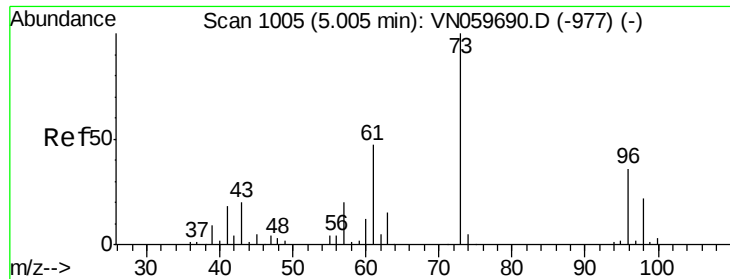
74 25.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

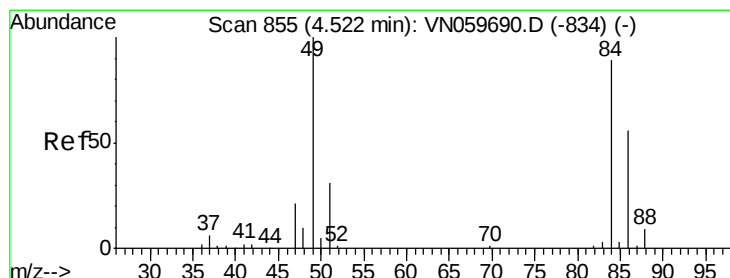
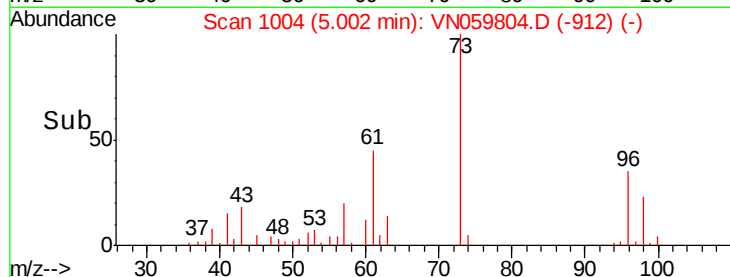
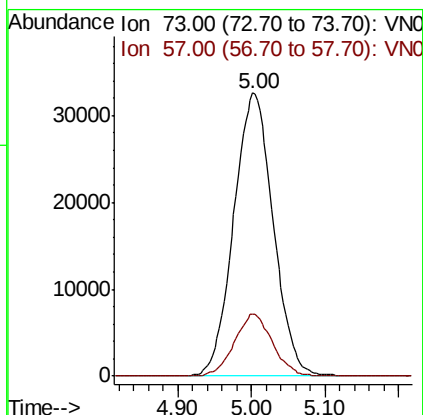
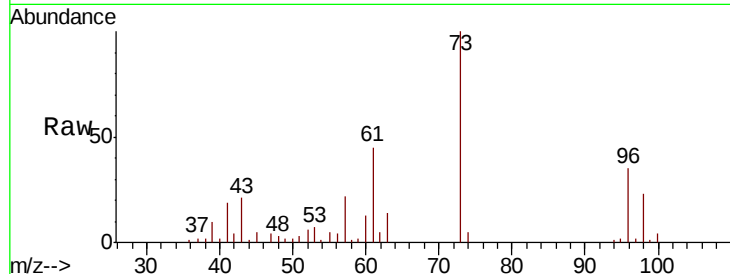




#19
Methvl tert-butvl Ether
Concen: 19.702 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

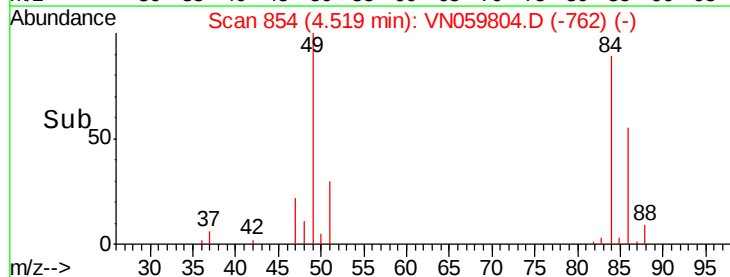
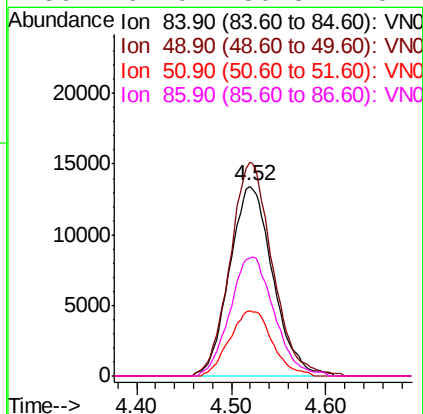
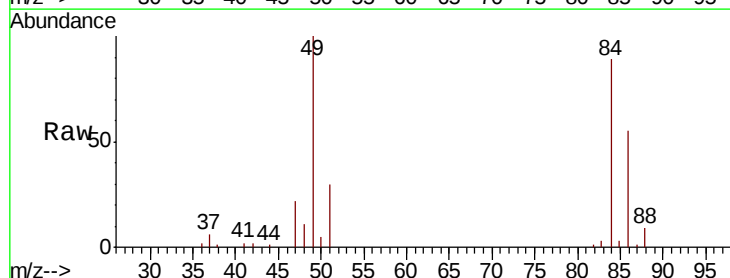
Instrument :
MSVOA_N
ClientSampleId :

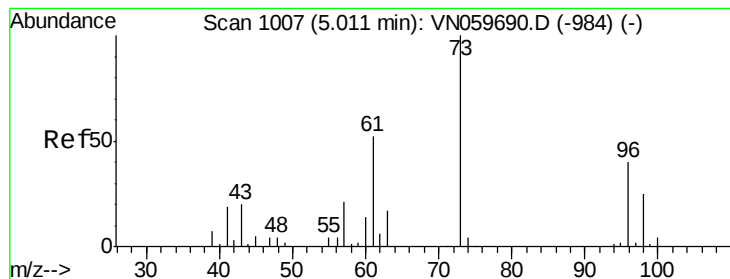
Tot Ion: 73 Resp: 121415
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8



#20
Methylene Chloride
Concen: 19.750 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 84 Resp: 42619
Ion Ratio Lower Upper
84 100
49 112.4 106.6 160.0
51 34.2 31.9 47.9
86 62.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.231 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

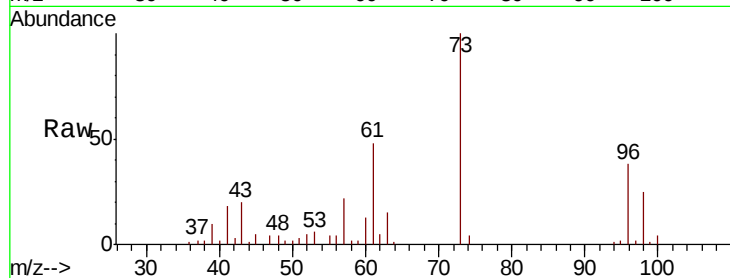
Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 38637

Ion	Ratio	Lower	Upper
96	100		
61	127.0	120.4	180.6
98	66.3	50.6	75.8

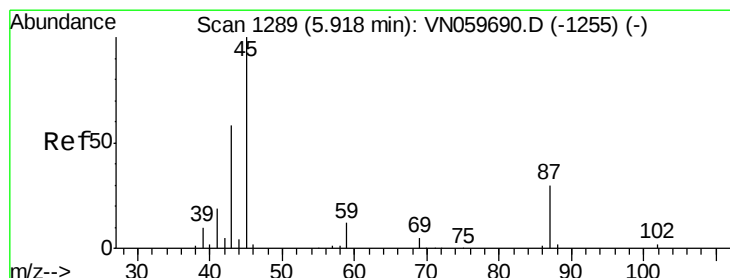
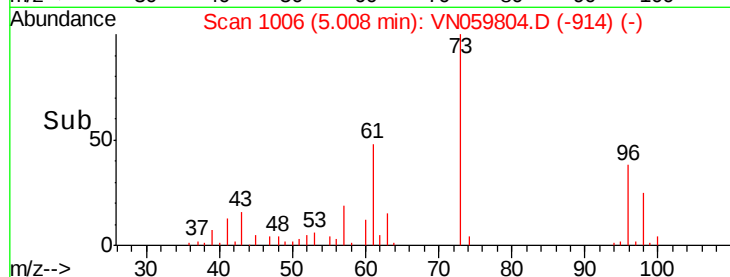
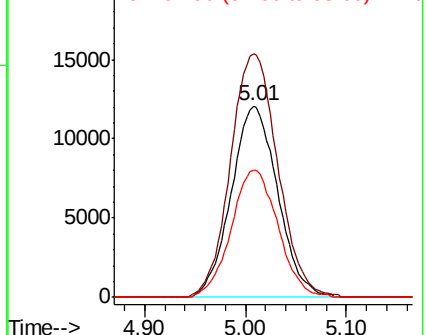


Abundance

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: 19.360 ug/l

RT: 5.91 min Scan# 1288

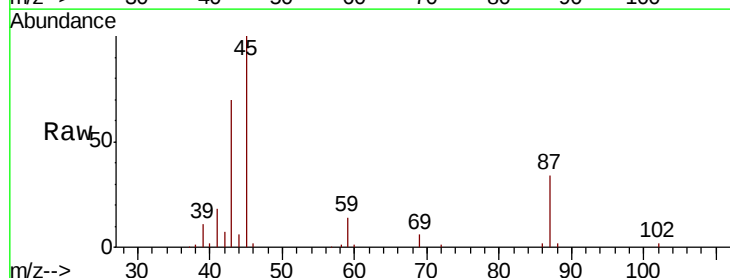
Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Tgt Ion: 45 Resp: 111774

Ion	Ratio	Lower	Upper
45	100		
43	67.5	50.8	76.2
87	34.1	21.0	31.6#
59	13.7	9.1	13.7#



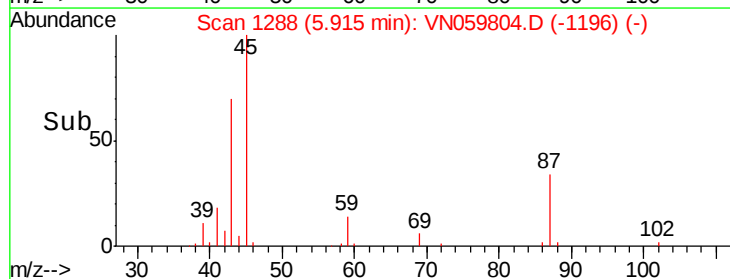
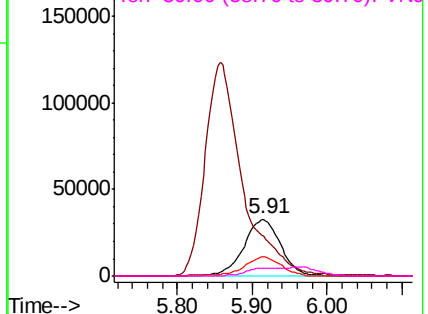
Abundance

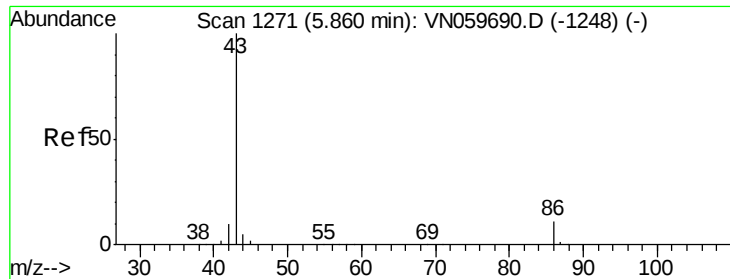
Ion 45.00 (44.70 to 45.70): VN0

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: 95.895 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

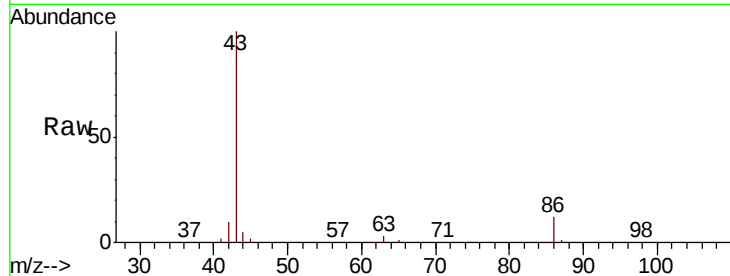
ClientSampled :

Tot Ion: 43 Resp: 428650

Ion Ratio Lower Upper

43 100

86 12.2 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059804.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059804.D (-1178) (-)

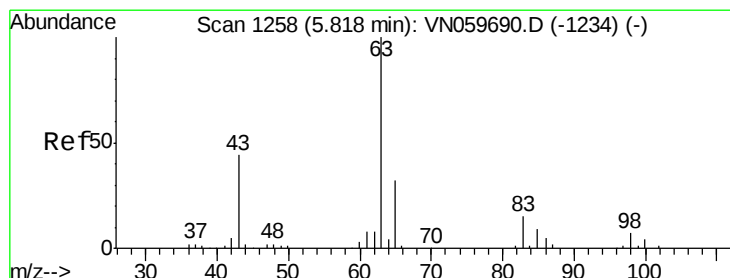
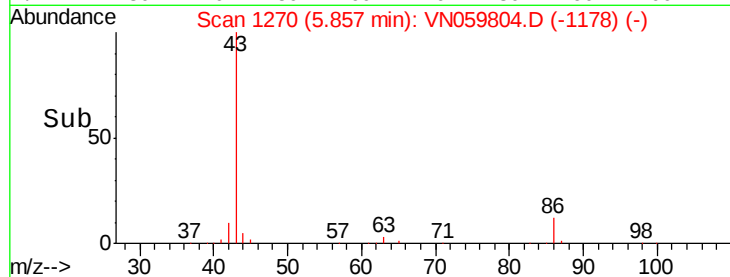
5.86

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.727 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

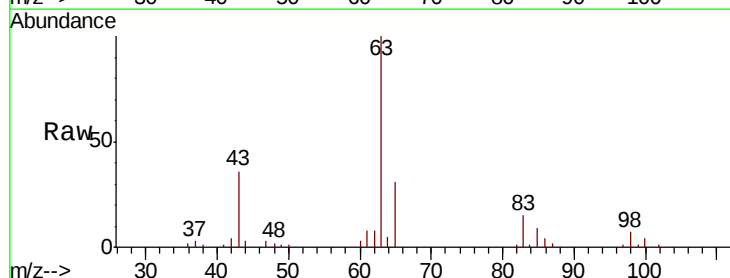
Tgt Ion: 63 Resp: 69592

Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.7

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059804.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059804.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059804.D (-1165) (-)

5.82

30000

25000

20000

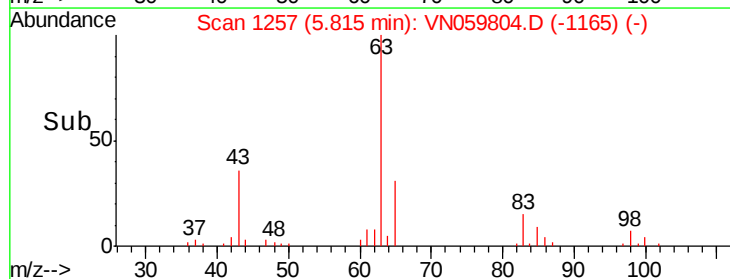
15000

10000

5000

0

Time--> 5.70 5.80 5.90

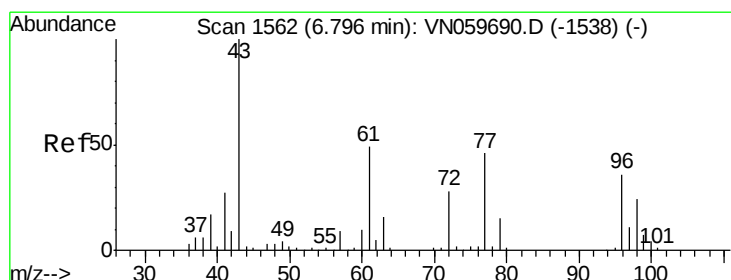
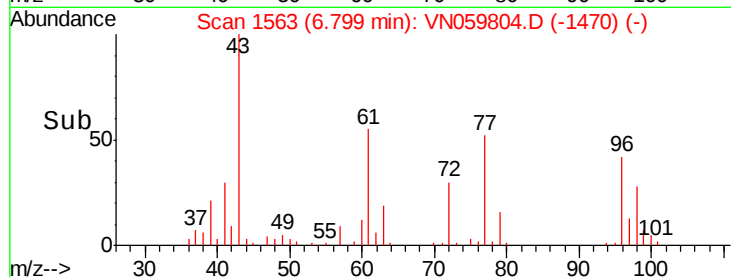
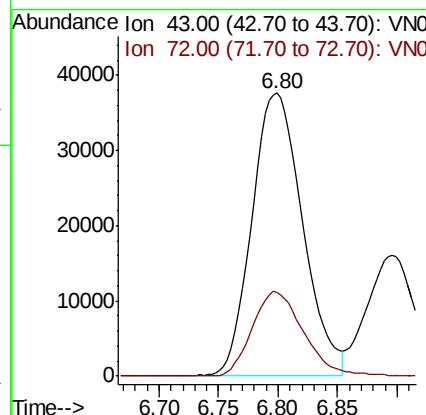
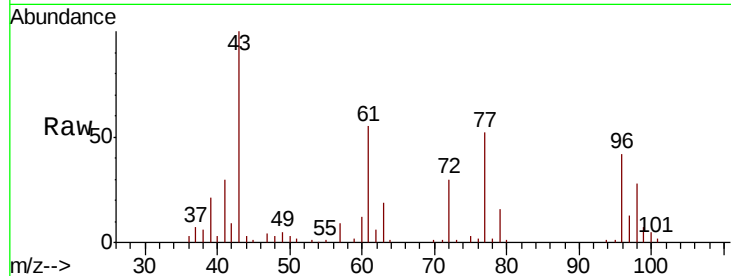




#25
2-Butanone
Concen: 85.588 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

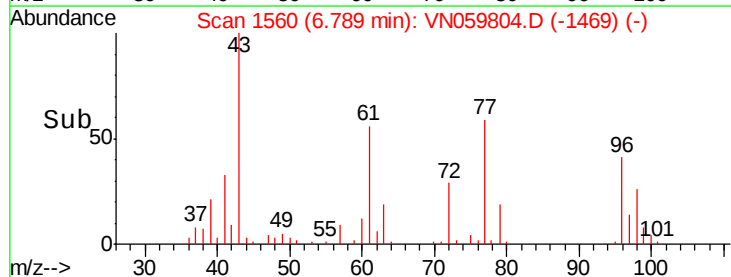
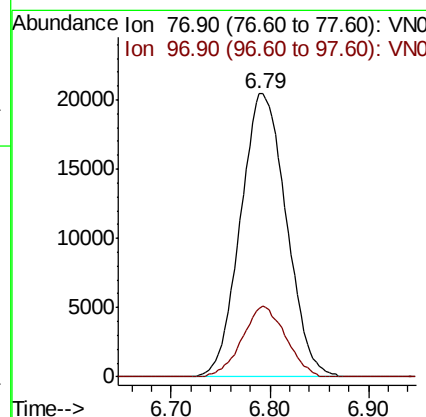
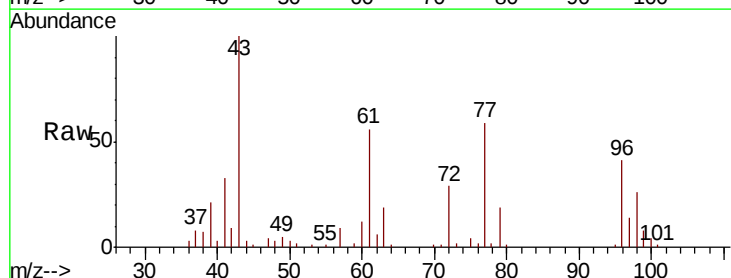
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 111197
Ion Ratio Lower Upper
43 100
72 29.6 19.9 29.9



#26
2,2-Dichloropropane
Concen: 19.417 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 77 Resp: 65850
Ion Ratio Lower Upper
77 100
97 23.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.997 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

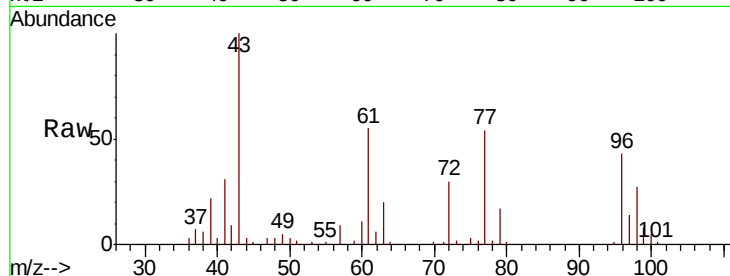
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 96 Resp: 46210

Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	317.6
98	64.4	0.0	127.0

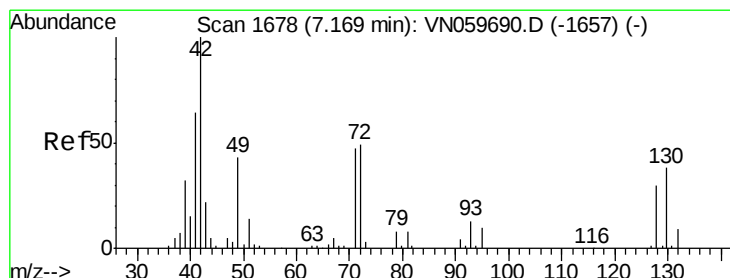
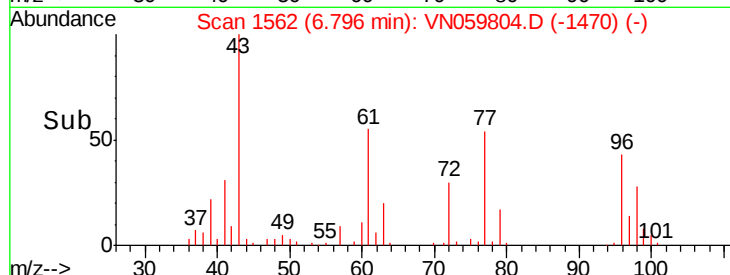
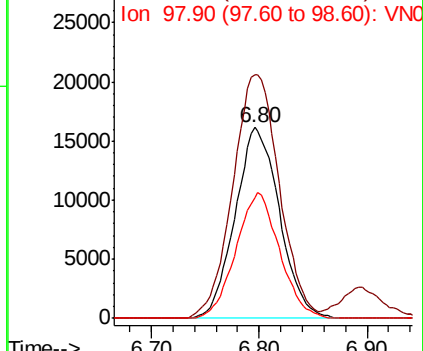


Abundance

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: 19.078 ug/l

RT: 7.17 min Scan# 1677

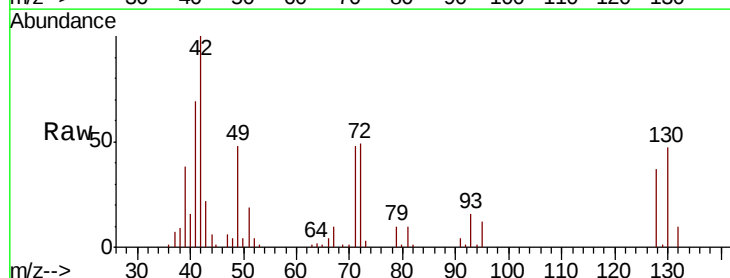
Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Tgt Ion: 49 Resp: 26899

Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	93.9	54.7	82.1#

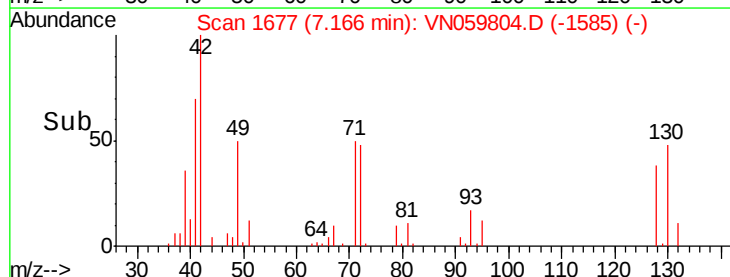
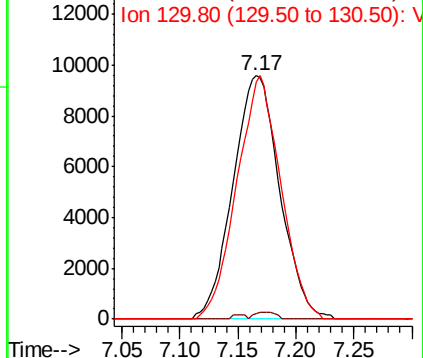


Abundance

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

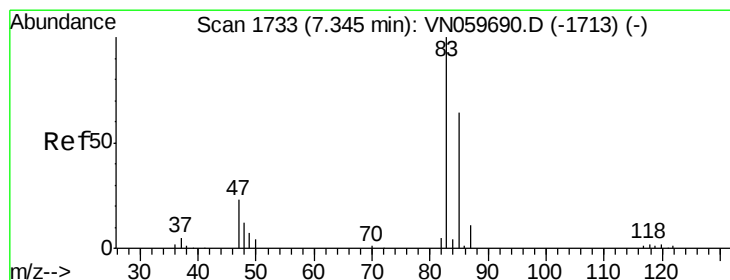
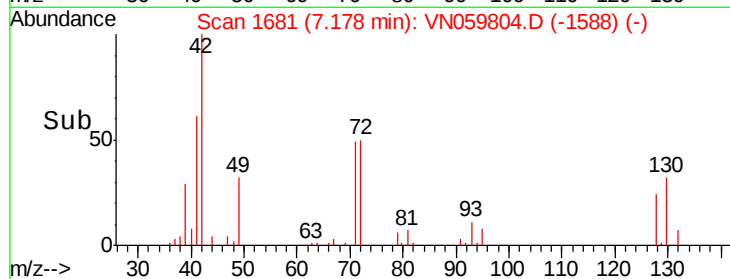
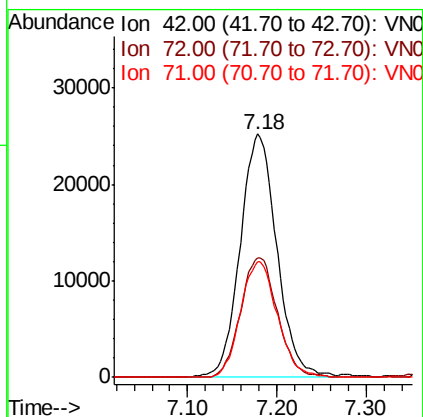
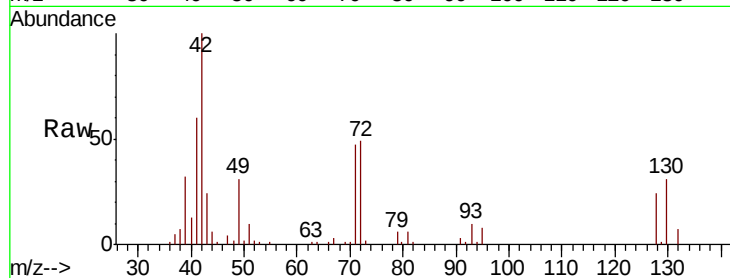




#29
Tetrahydrofuran
Concen: 89.897 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

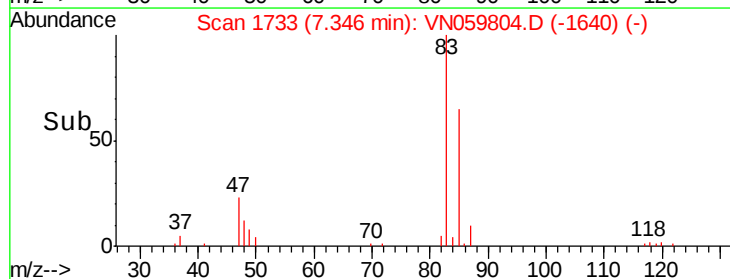
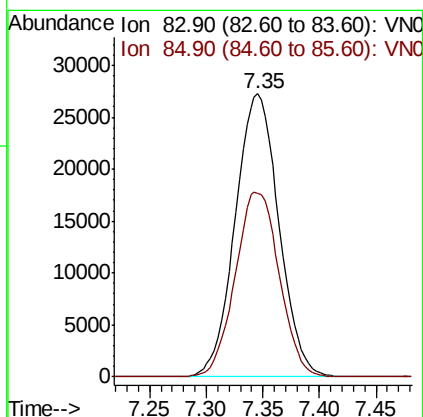
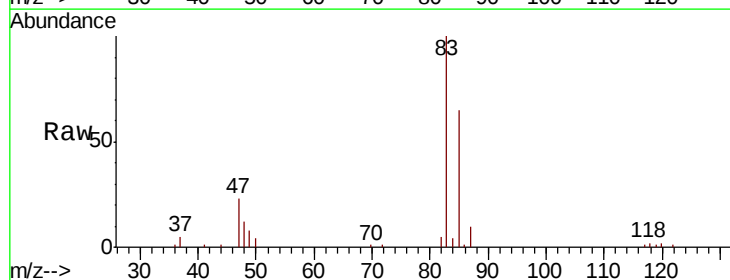
Instrument :
MSVOA_N
ClientSampled :

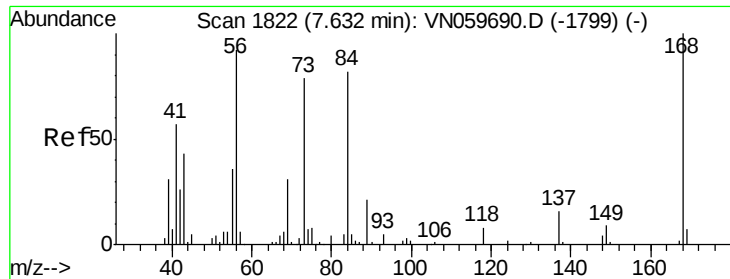
Tot Ion: 42 Resp: 72264
Ion Ratio Lower Upper
42 100
72 49.3 33.1 49.7
71 47.7 31.4 47.0#



#30
Chloroform
Concen: 19.998 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 83 Resp: 73095
Ion Ratio Lower Upper
83 100
85 64.8 52.4 78.6

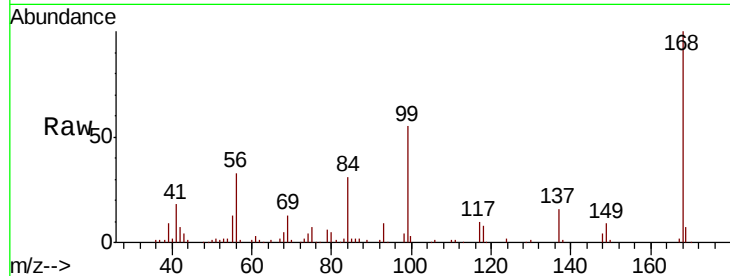




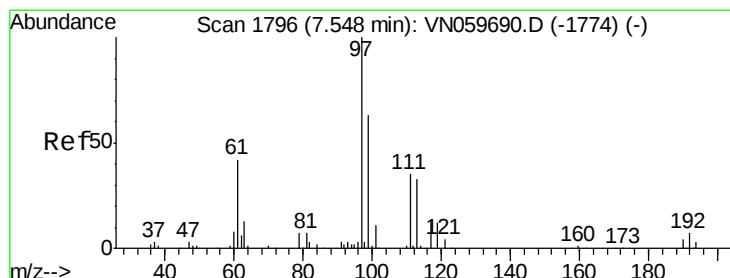
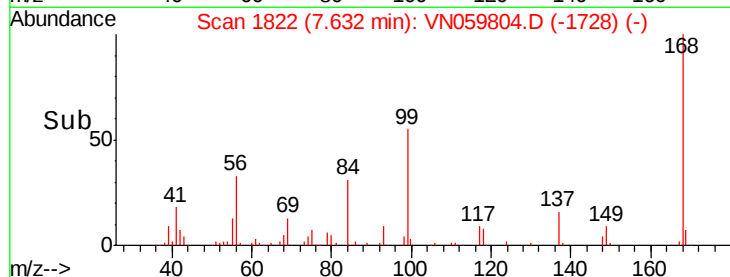
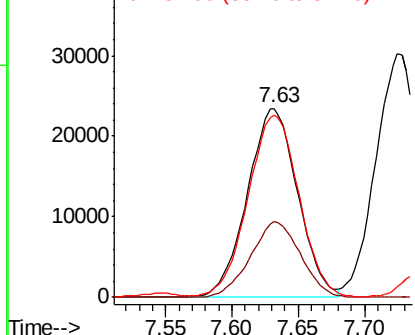
#31
Cyclohexane
Concen: 18.287 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 62076
Ion Ratio Lower Upper
56 100
69 40.3 26.5 39.7#
84 95.1 65.3 97.9

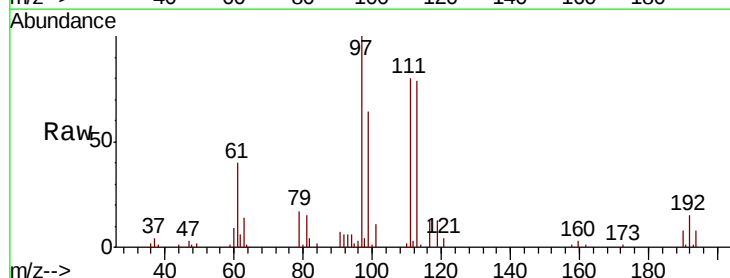


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

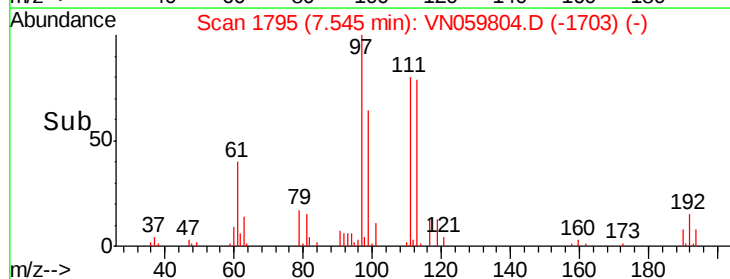
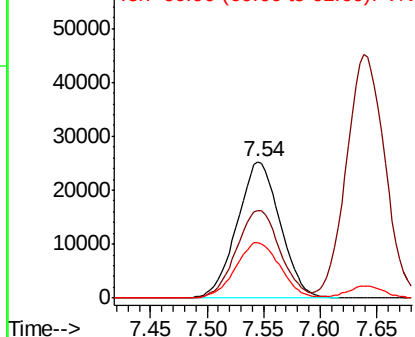


#32
1,1,1-Trichloroethane
Concen: 19.814 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 97 Resp: 66963
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.4
61 41.8 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

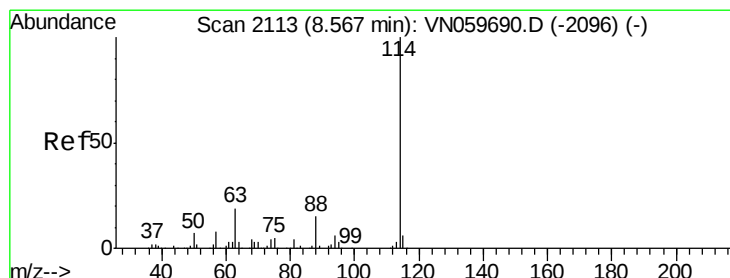
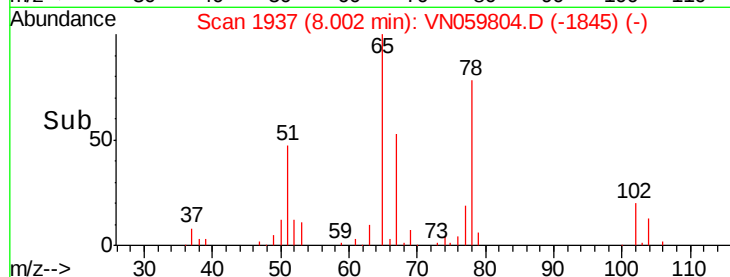
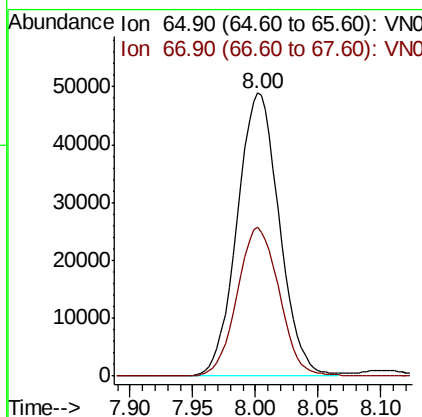
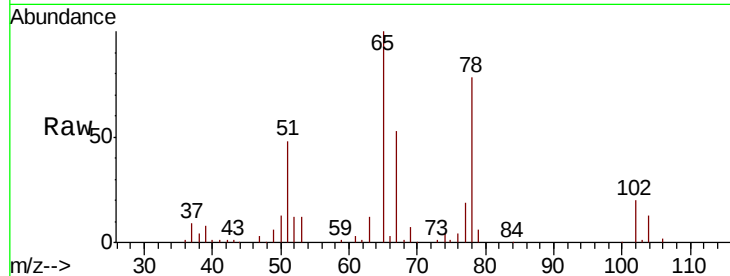




#33
 1,2-Dichloroethane-d4
 Concen: 49.923 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

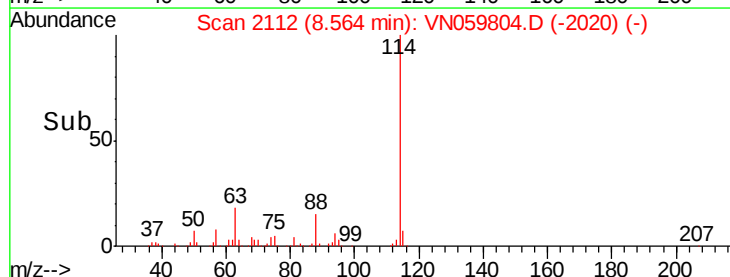
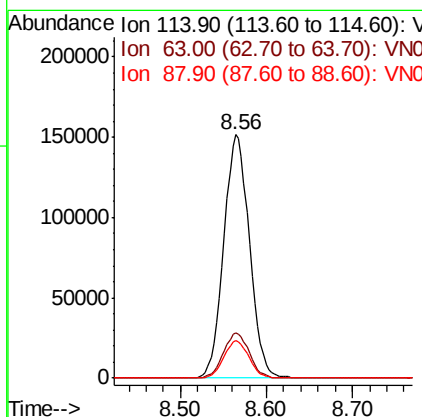
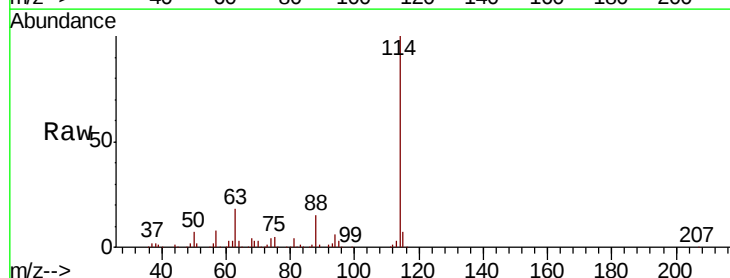
Instrument :
 MSVOA_N
 ClientSampled :

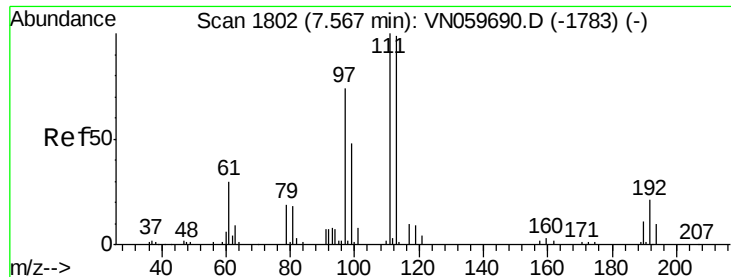
Tot Ion: 65 Resp: 114535
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

Tgt Ion: 114 Resp: 315240
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 15.3 0.0 31.4

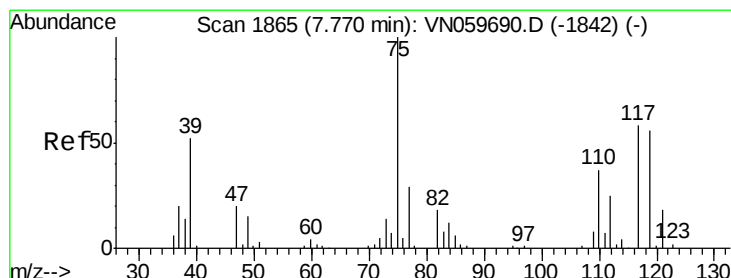
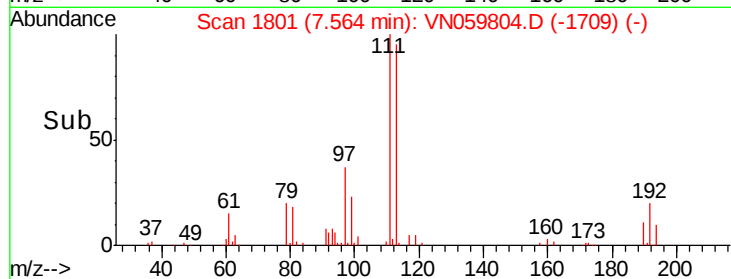
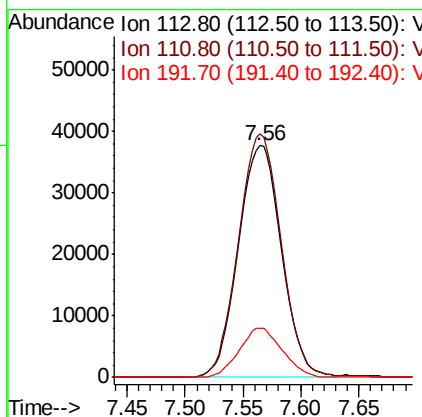
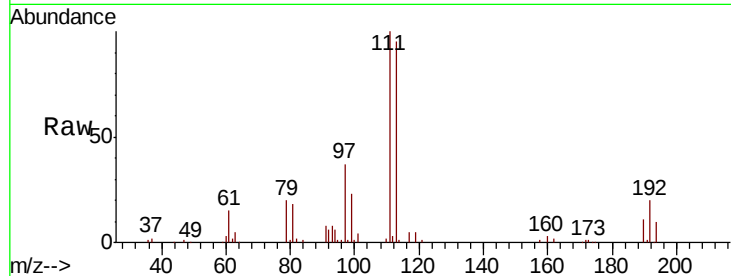




#35
 Dibromofluoromethane
 Concen: 52.049 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

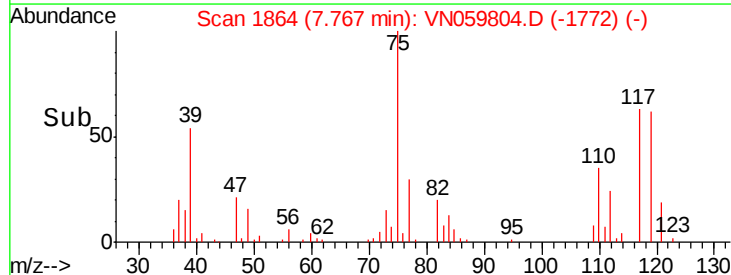
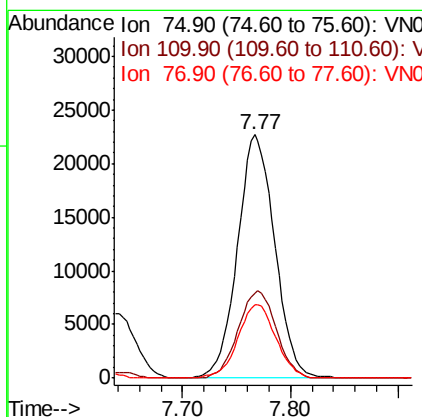
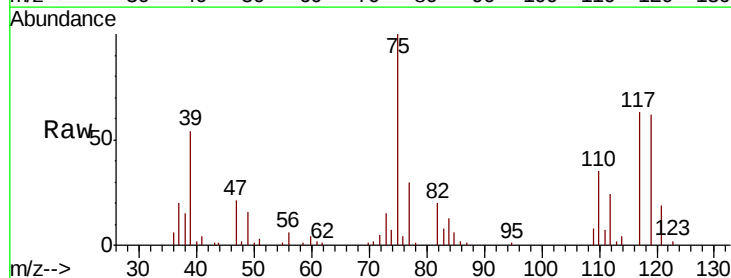
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 97848
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.5 125.3
 192 21.0 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 19.865 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

Tgt Ion: 75 Resp: 54533
 Ion Ratio Lower Upper
 75 100
 110 36.4 16.6 49.7
 77 30.9 25.1 37.7

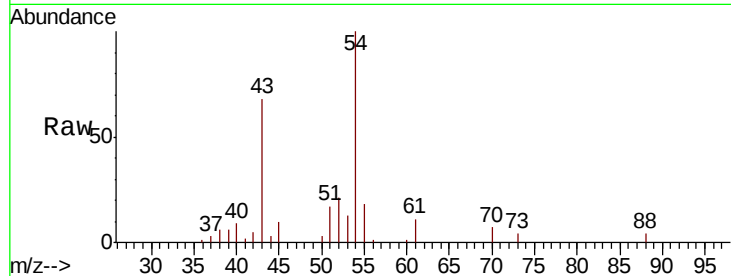




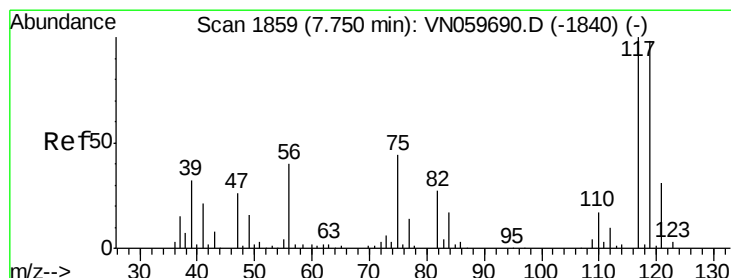
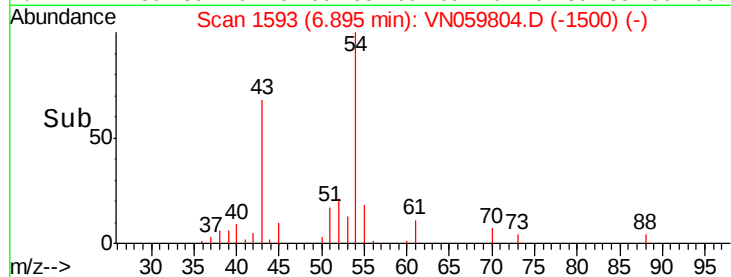
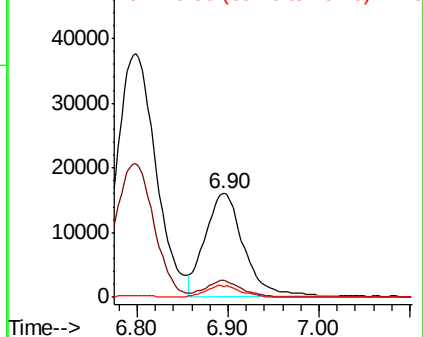
#37
Ethyl Acetate
Concen: 18.237 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 46956
Ion Ratio Lower Upper
43 100
61 15.6 10.9 16.3
70 10.4 7.7 11.5

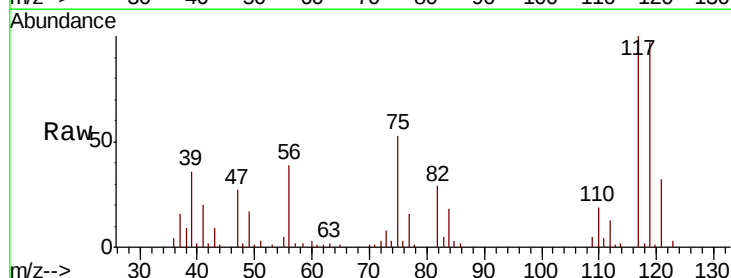


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

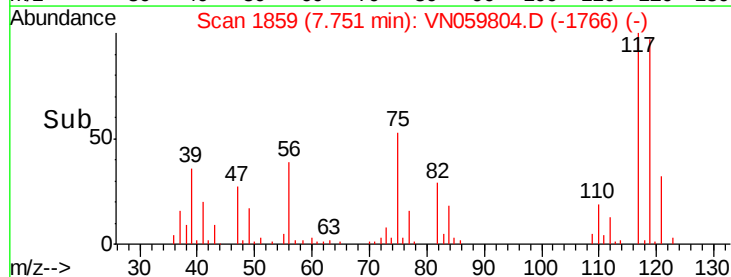
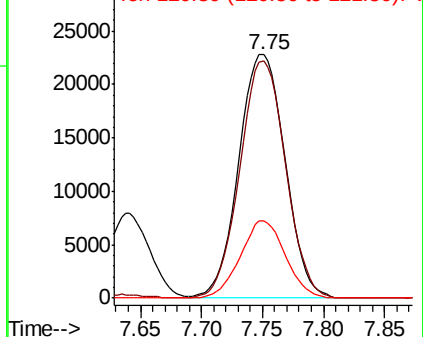


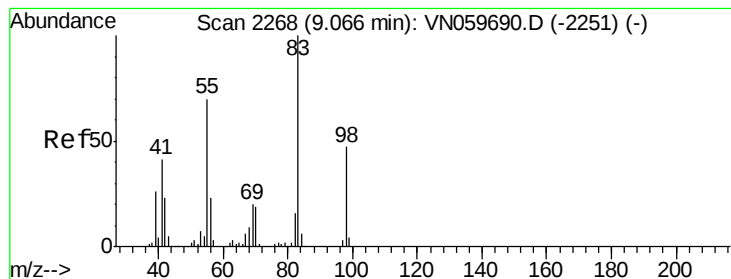
#38
Carbon Tetrachloride
Concen: 20.111 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 117 Resp: 60055
Ion Ratio Lower Upper
117 100
119 97.3 76.5 114.7
121 31.5 25.1 37.7



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





#39

Methvlcvclohexane

Concen: 19.640 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

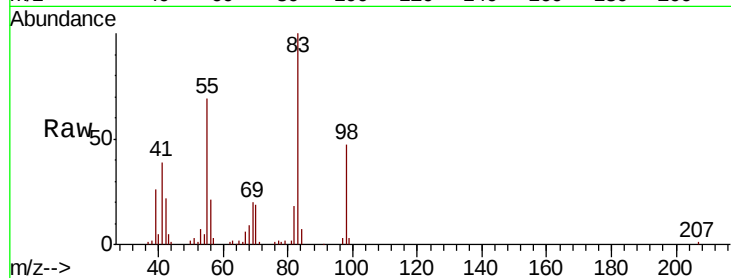
Tot Ion: 83 Resp: 66479

Ion Ratio Lower Upper

83 100

55 68.7 64.2 96.2

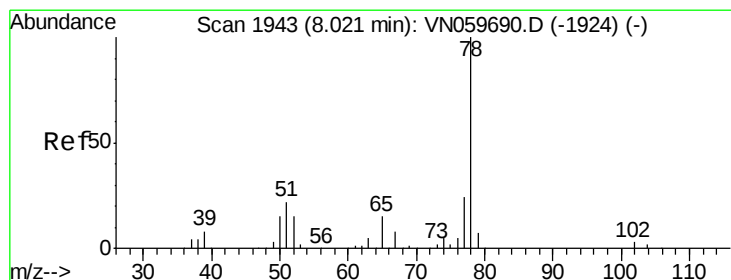
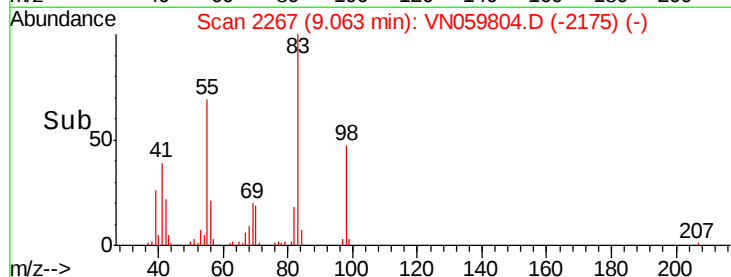
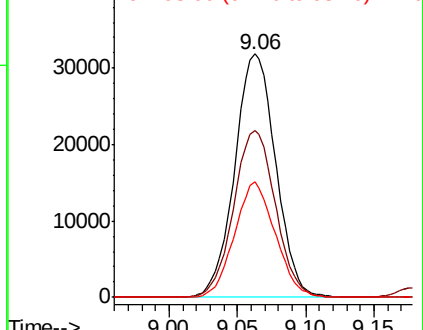
98 47.3 35.9 53.9



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: 19.678 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059804.D

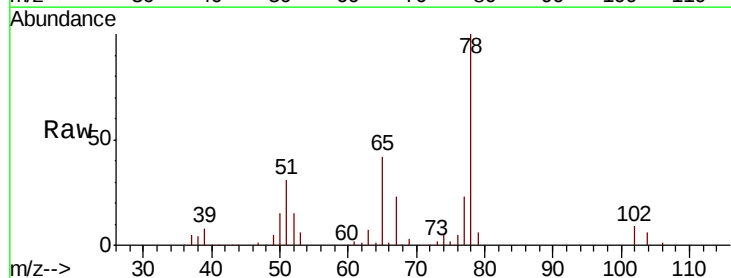
Acq: 21 Jan 2020 12:05

Tgt Ion: 78 Resp: 161108

Ion Ratio Lower Upper

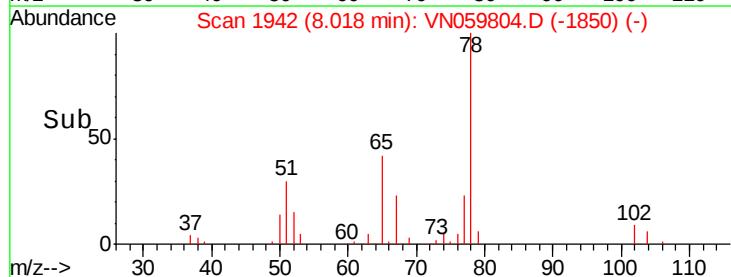
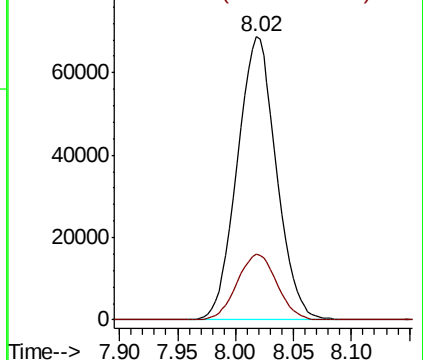
78 100

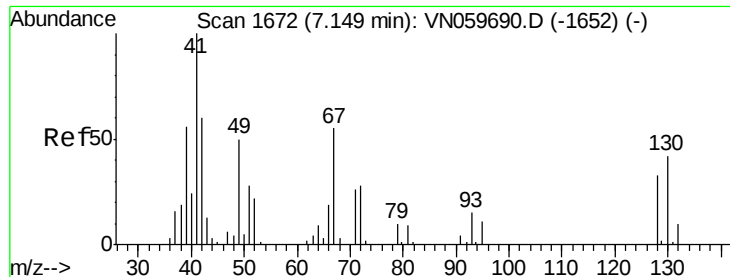
77 23.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

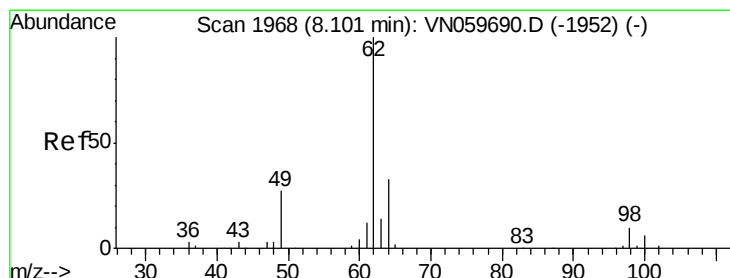
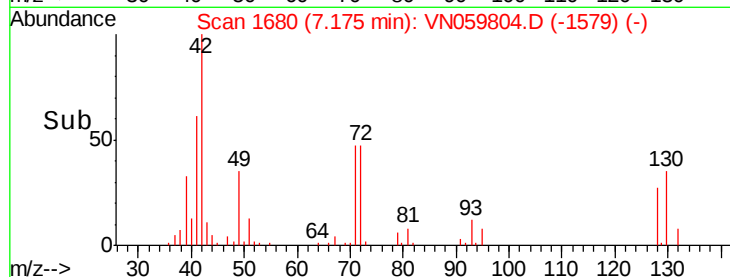
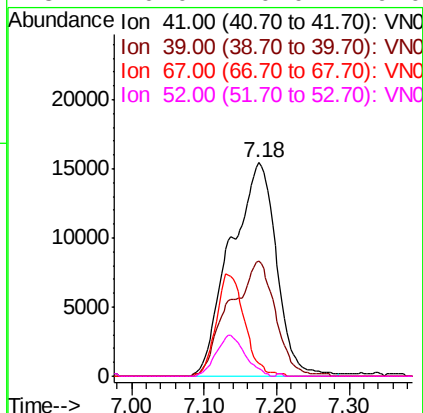
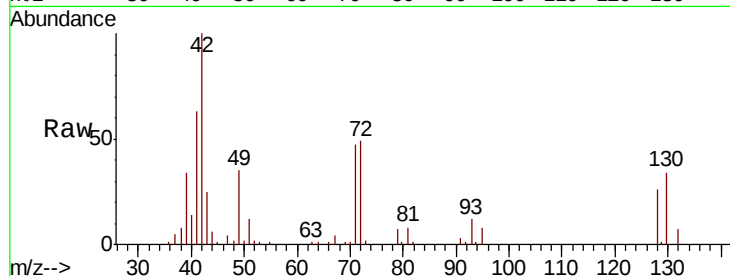




#41
Methacrylonitrile
Concen: 53.645 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

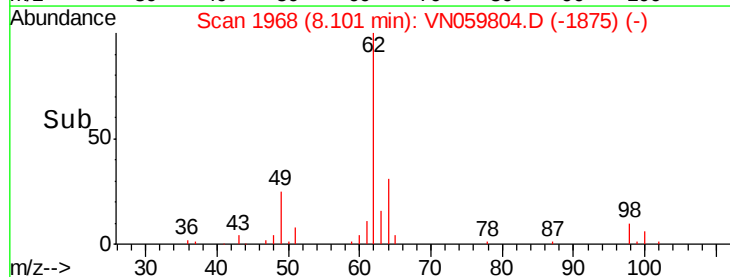
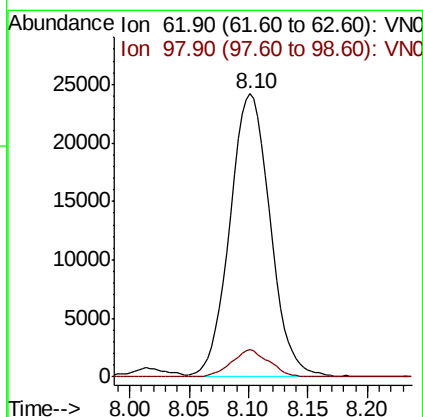
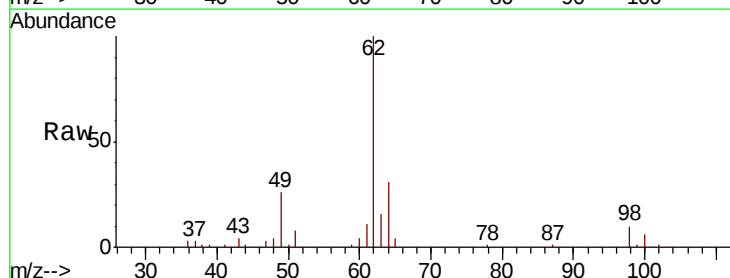
Instrument :
MSVOA_N
ClientSampled :

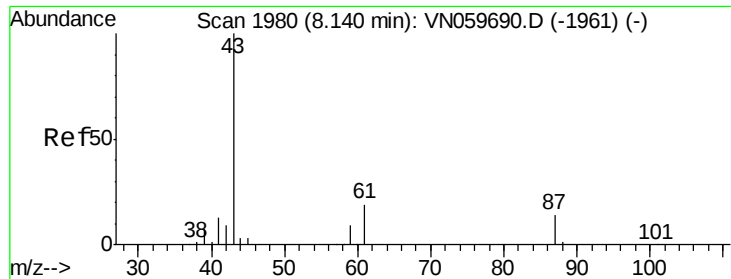
Tot Ion: 41 Resp: 68034
Ion Ratio Lower Upper
41 100
39 54.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 20.478 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 62 Resp: 56844
Ion Ratio Lower Upper
62 100
98 8.8 0.0 15.8





#43

Isopropyl Acetate

Concen: 18.187 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

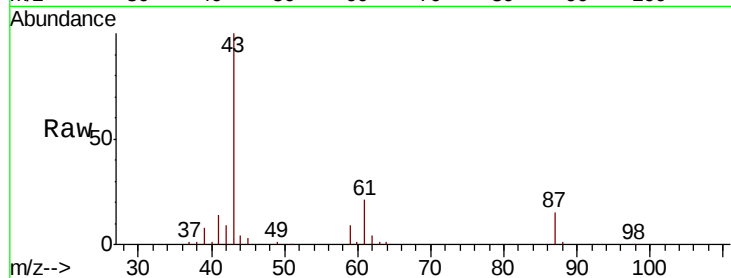
Tot Ion: 43 Resp: 80545

Ion Ratio Lower Upper

43 100

61 28.1 20.2 30.2

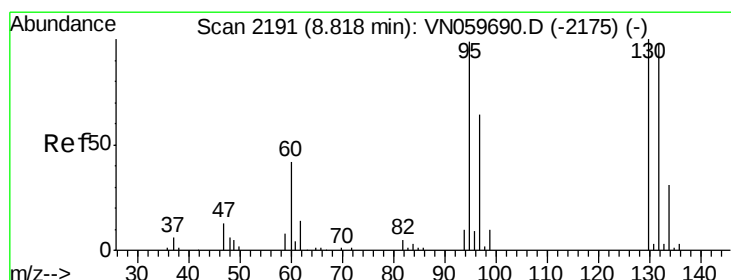
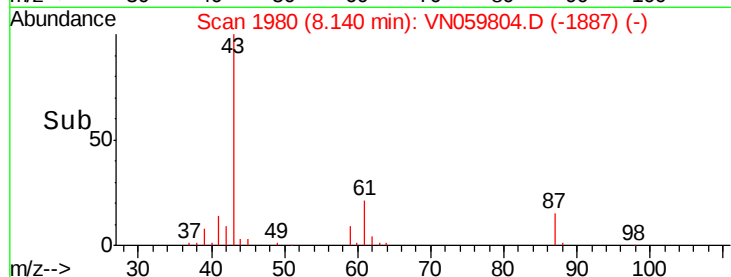
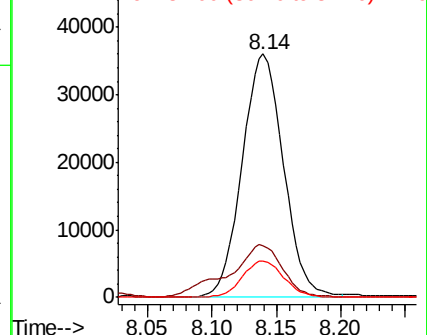
87 14.9 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059804.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN059804.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN059804.D (-1987) (-)



#44

Trichloroethene

Concen: 21.195 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059804.D

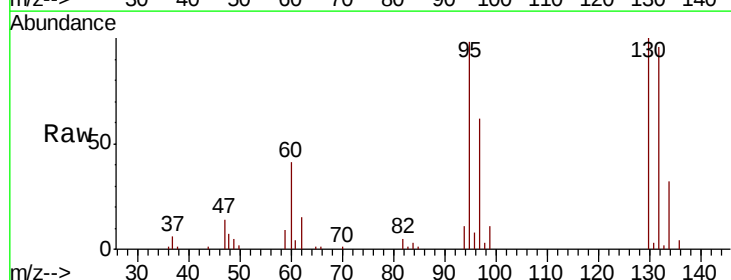
Acq: 21 Jan 2020 12:05

Tgt Ion:130 Resp: 47372

Ion Ratio Lower Upper

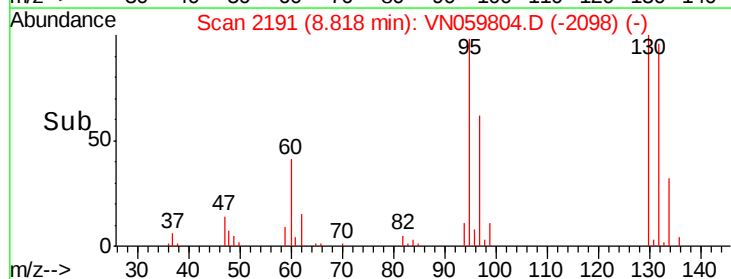
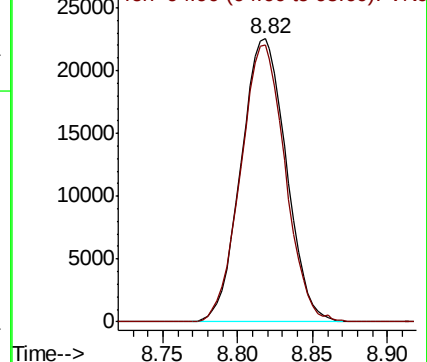
130 100

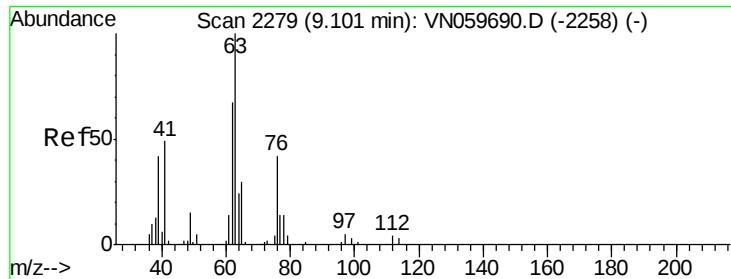
95 98.0 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059804.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059804.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 20.407 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

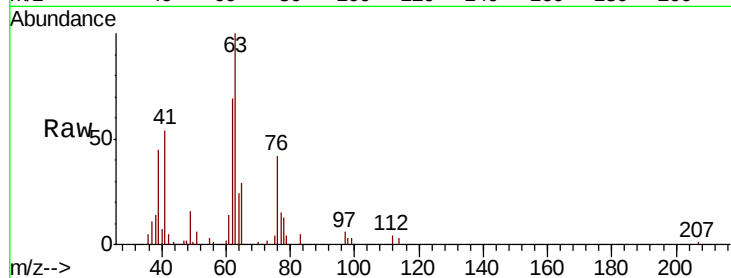
ClientSampled :

Tot Ion: 63 Resp: 41344

Ion Ratio Lower Upper

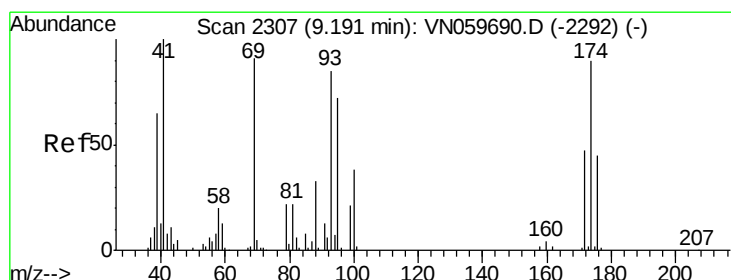
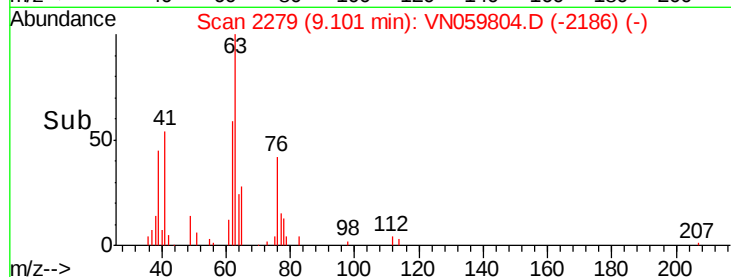
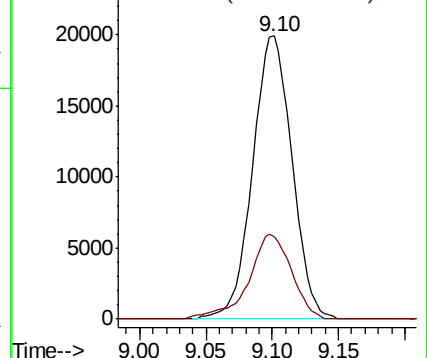
63 100

65 29.3 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.233 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

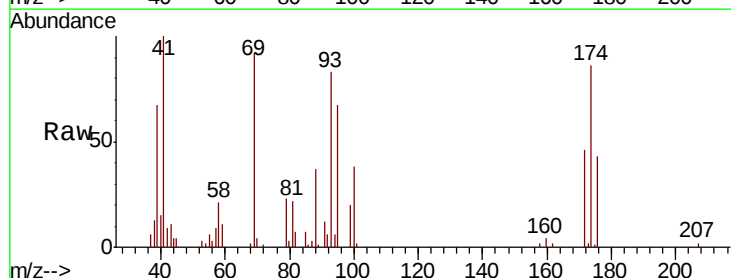
Tgt Ion: 93 Resp: 28915

Ion Ratio Lower Upper

93 100

95 82.6 67.0 100.6

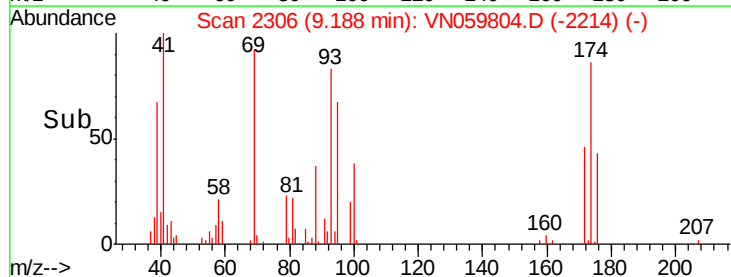
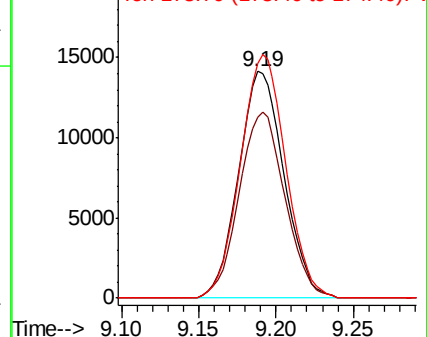
174 107.1 73.4 110.2

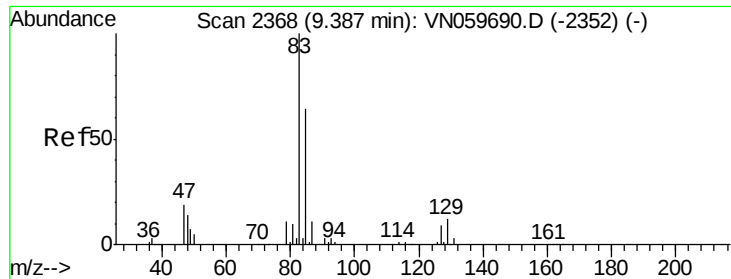


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

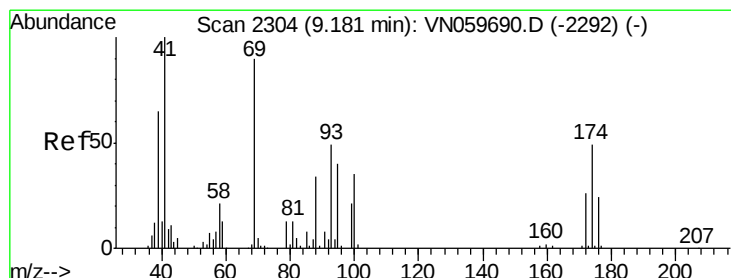
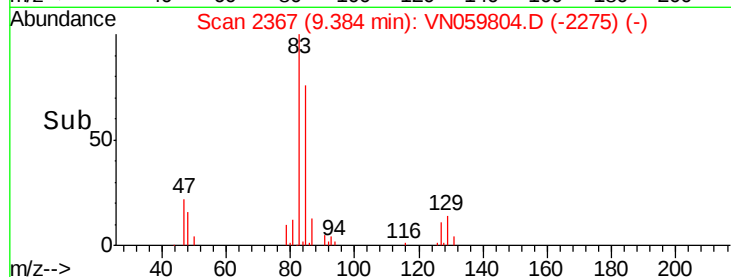
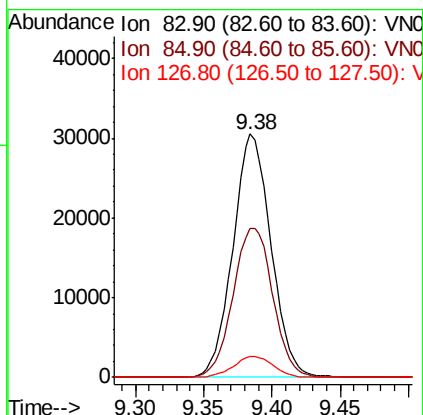
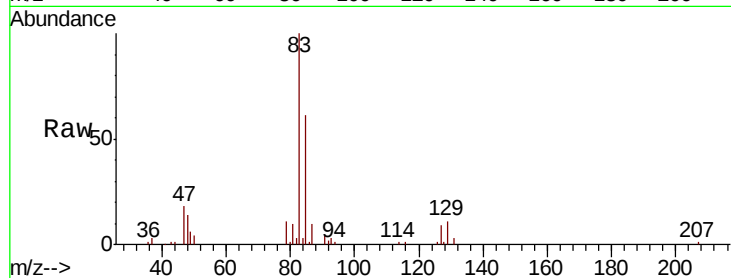




#47
Bromodichloromethane
Concen: 20.517 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

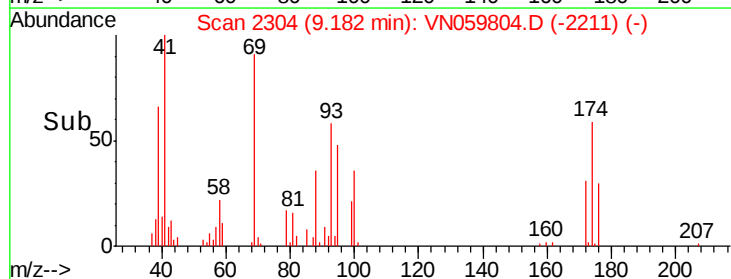
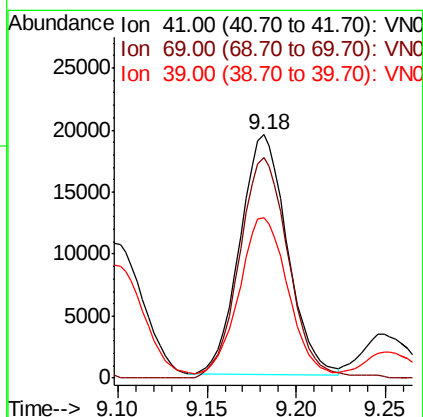
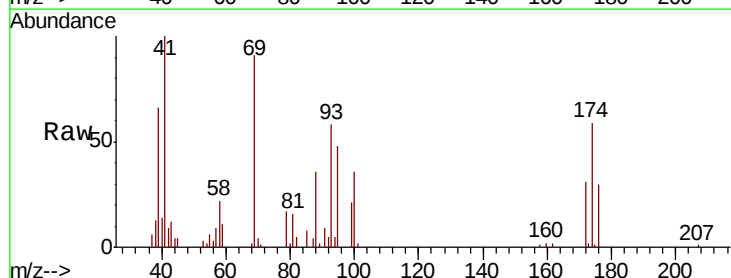
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 59086
Ion Ratio Lower Upper
83 100
85 60.9 51.1 76.7
127 8.5 6.6 9.8



#48
Methyl methacrylate
Concen: 18.073 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 41 Resp: 35802
Ion Ratio Lower Upper
41 100
69 95.5 64.4 96.6
39 67.0 51.3 76.9

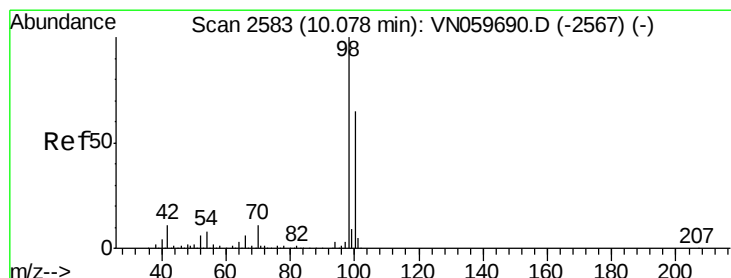
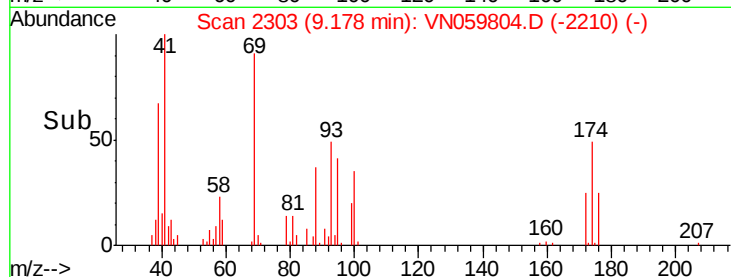
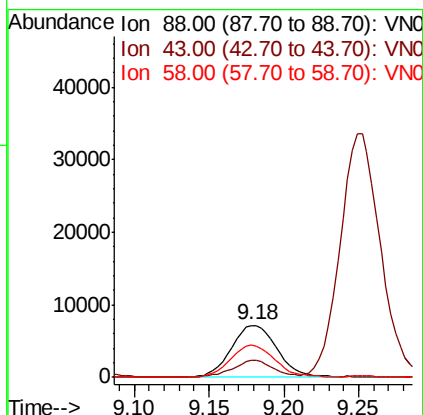
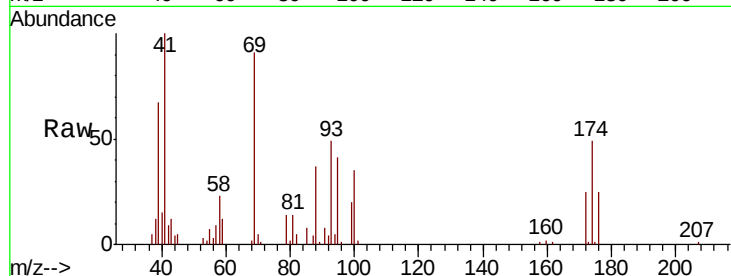




#49
1,4-Dioxane
Concen: 419.697 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

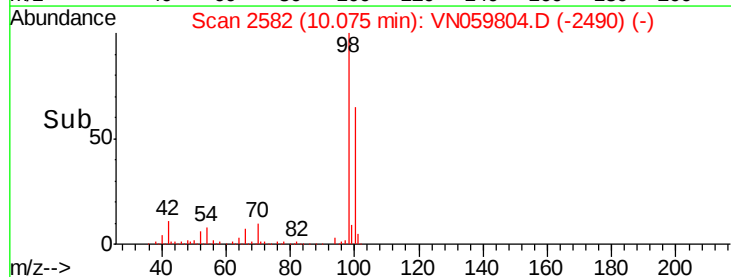
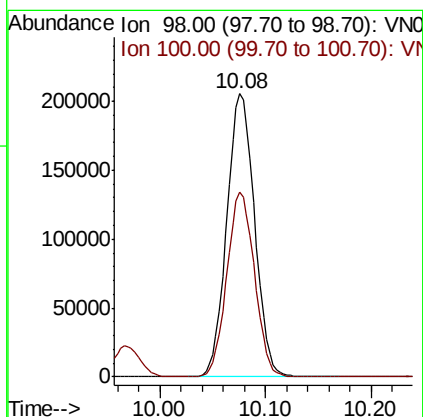
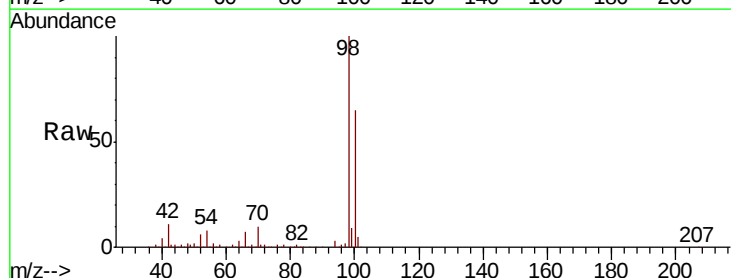
Instrument :
MSVOA_N
ClientSampled :

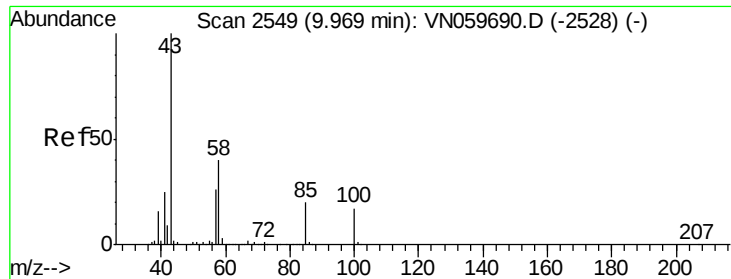
Tot Ion: 88 Resp: 15220
Ion Ratio Lower Upper
88 100
43 29.8 29.7 44.5
58 59.7 56.6 85.0



#50
Toluene-d8
Concen: 51.409 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 98 Resp: 374450
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 91.503 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

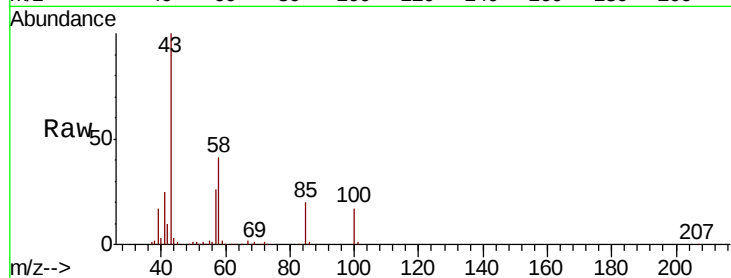
ClientSampled :

Tot Ion: 43 Resp: 234259

Ion Ratio Lower Upper

43 100

58 40.9 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.97

150000

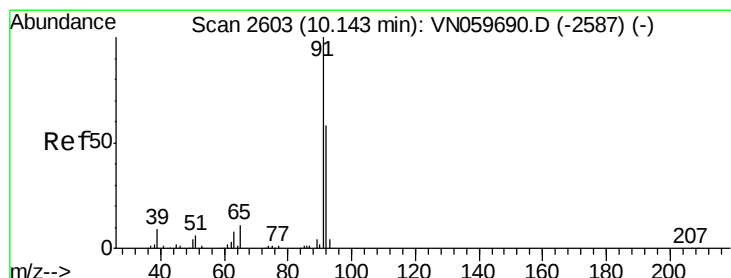
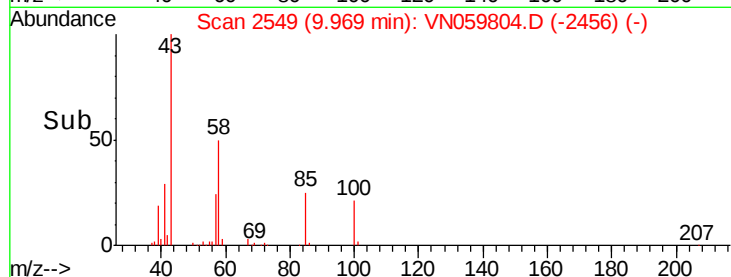
100000

50000

0

Time-->

9.90 9.95 10.00



#52

Toluene

Concen: 20.014 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059804.D

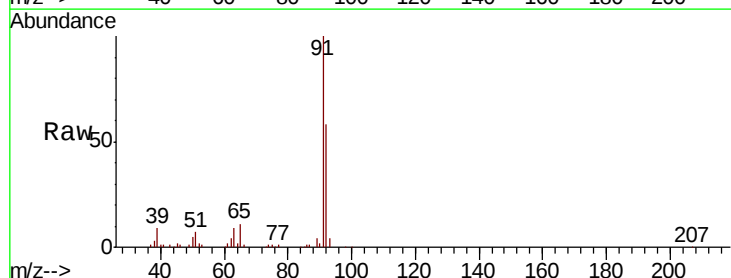
Acq: 21 Jan 2020 12:05

Tgt Ion: 92 Resp: 103503

Ion Ratio Lower Upper

92 100

91 174.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059690.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-2587) (-)

10.14

100000

80000

60000

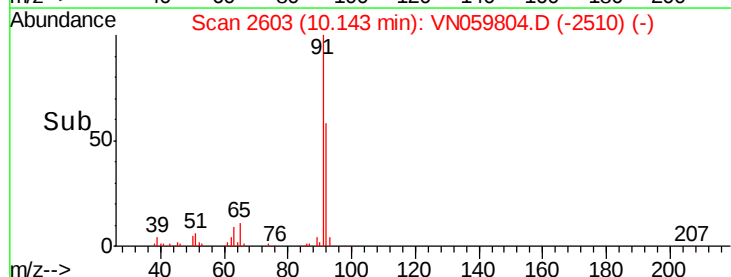
40000

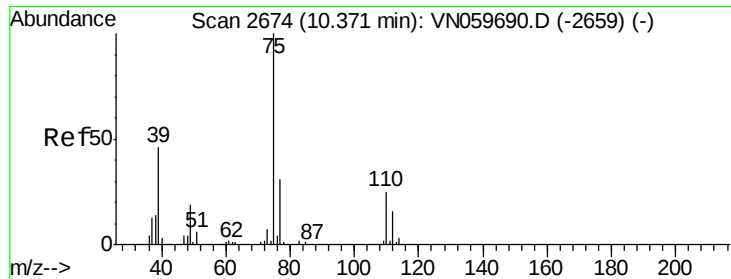
20000

0

Time-->

10.05 10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 19.878 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

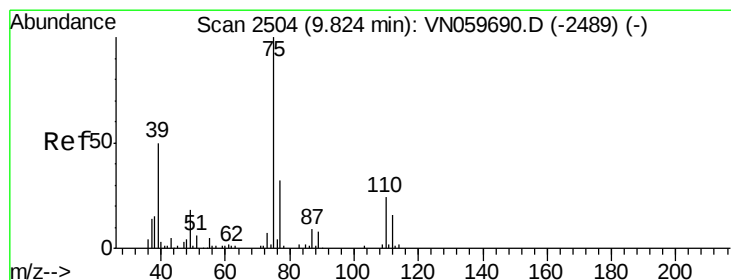
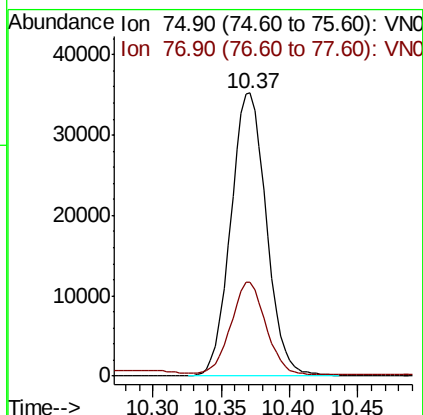
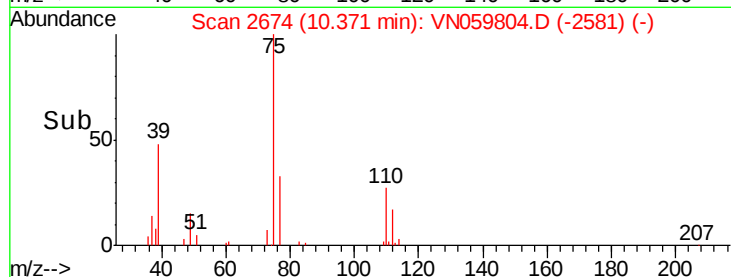
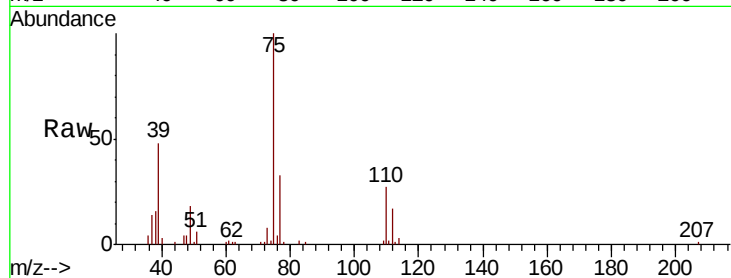
ClientSampled :

Tot Ion: 75 Resp: 63922

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.313 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

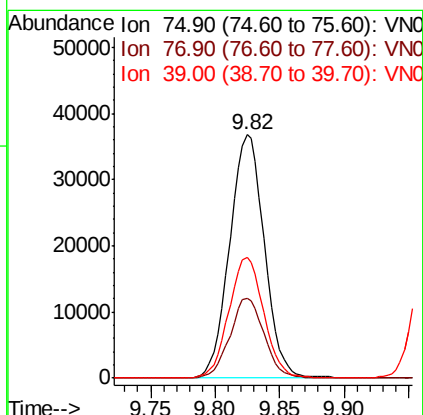
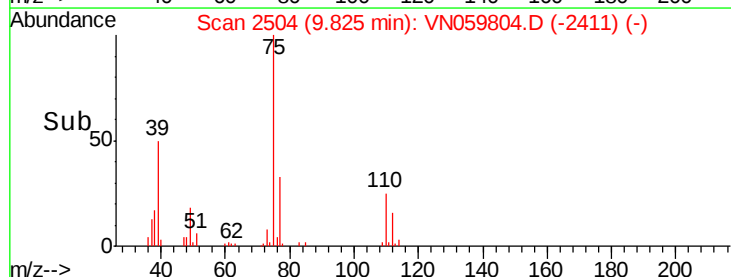
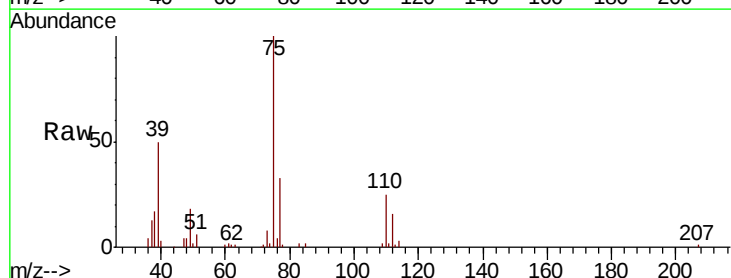
Tgt Ion: 75 Resp: 68728

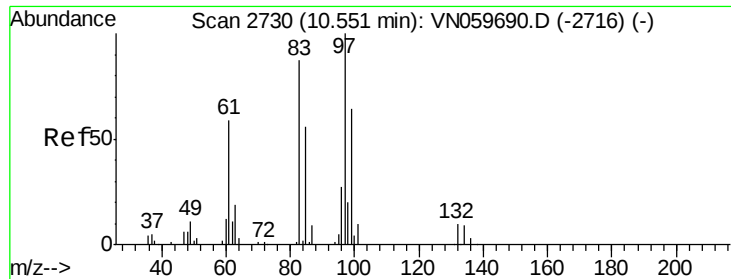
Ion Ratio Lower Upper

75 100

77 33.0 25.1 37.7

39 49.7 46.1 69.1

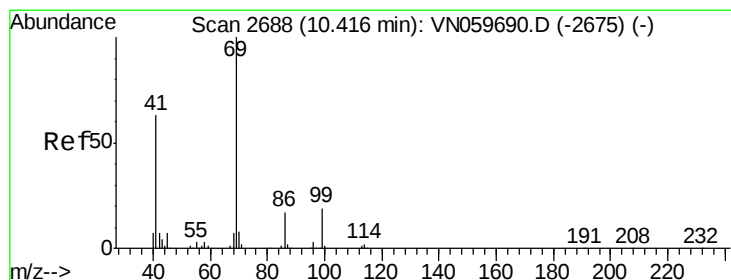
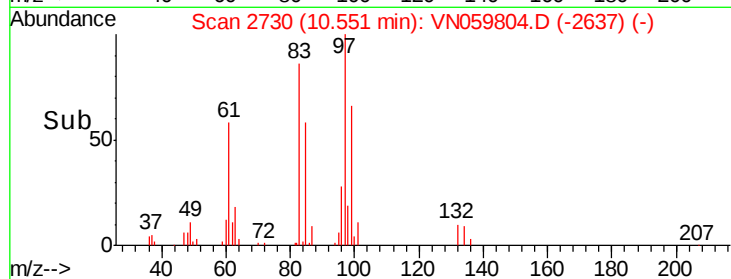
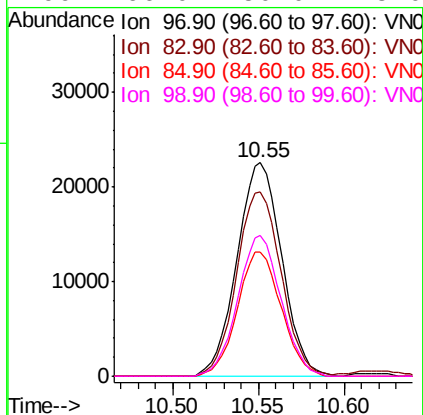
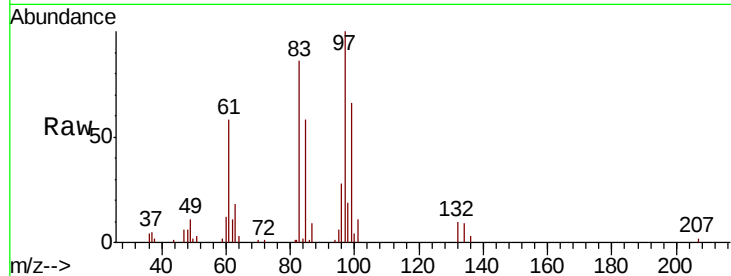




#55
 1,1,2-Trichloroethane
 Concen: 19.933 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

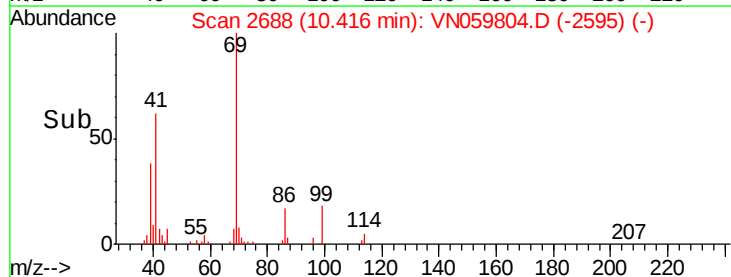
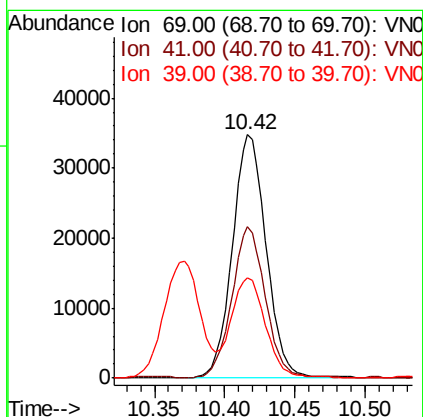
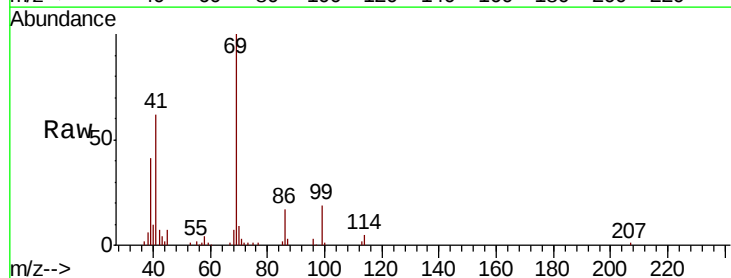
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	40827
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.3	106.9
85	58.4	45.8	68.8
99	66.0	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 18.656 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

Tgt Ion:	69	Resp:	58386
Ion	Ratio	Lower	Upper
69	100		
41	61.7	57.1	85.7
39	42.5	34.7	52.1





#57

1,3-Dichloropropane

Concen: 20.426 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

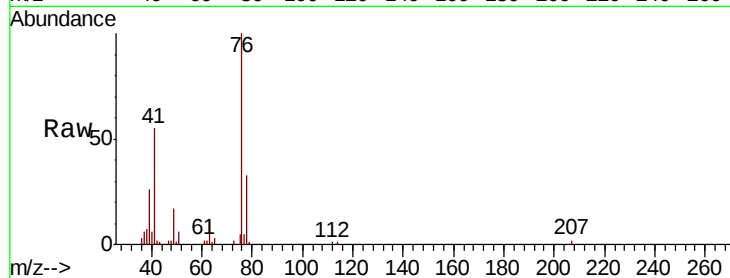
ClientSampled :

Tot Ion: 76 Resp: 66420

Ion Ratio Lower Upper

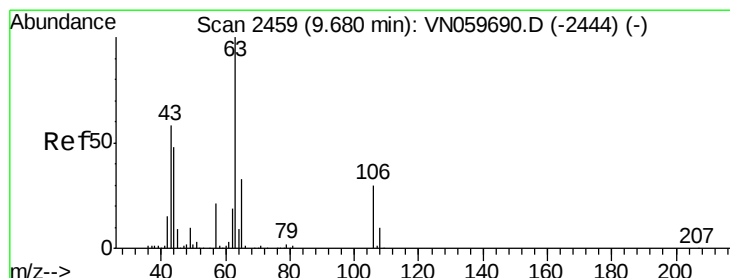
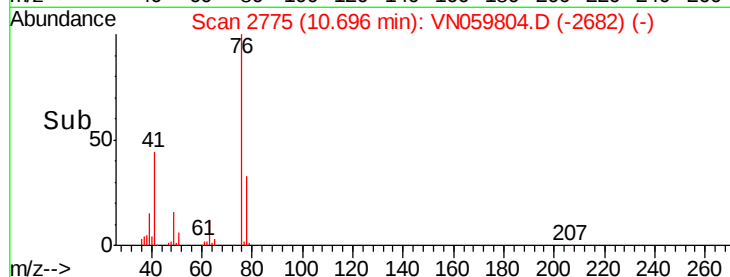
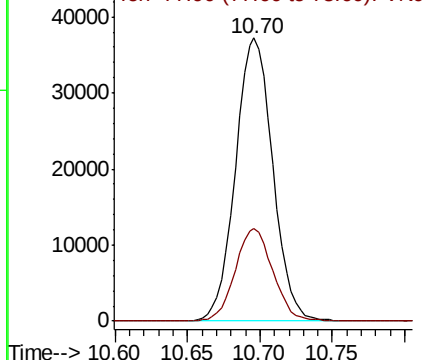
76 100

78 32.9 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059804.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059804.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 101.369 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059804.D

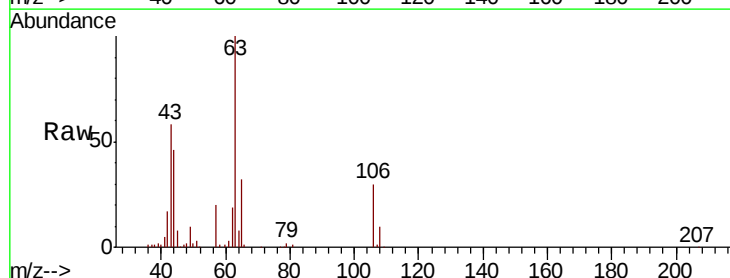
Acq: 21 Jan 2020 12:05

Tgt Ion: 63 Resp: 95556

Ion Ratio Lower Upper

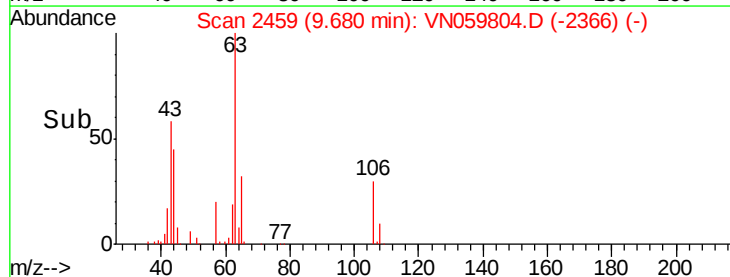
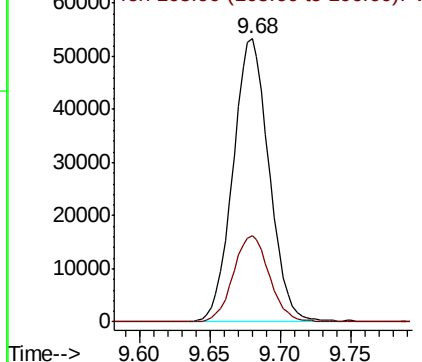
63 100

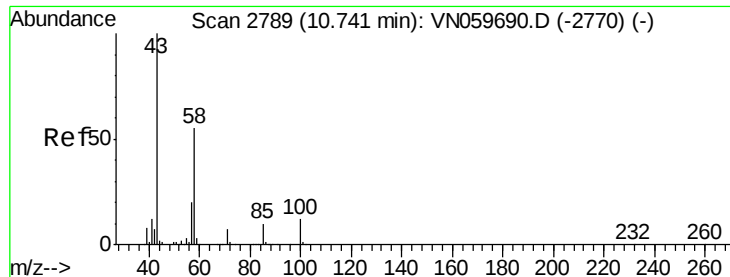
106 30.3 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN059804.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059804.D (-2366) (-)

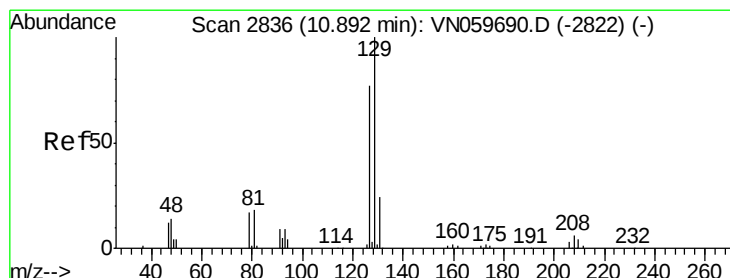
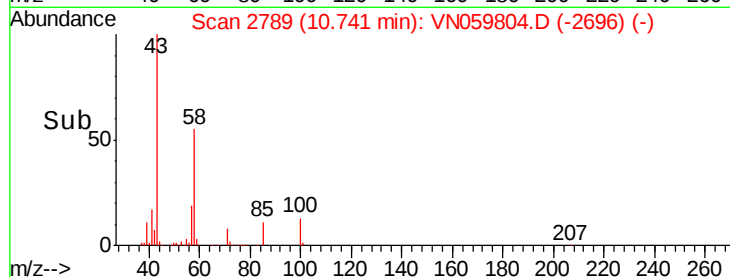
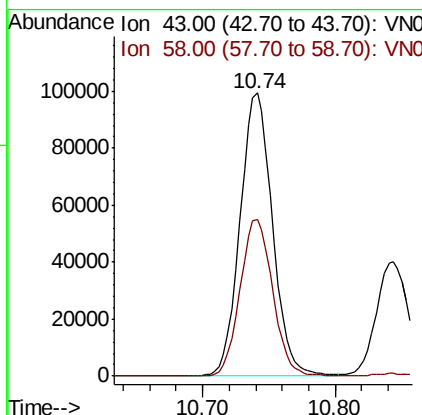
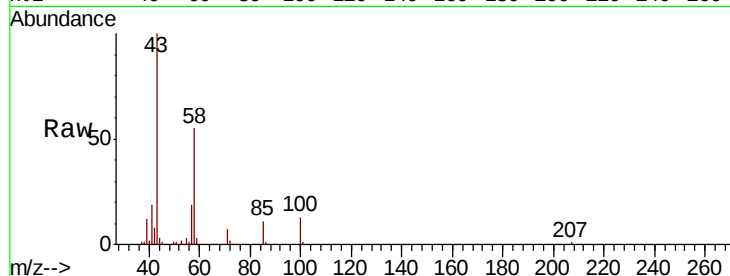




#59
2-Hexanone
Concen: 89.670 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

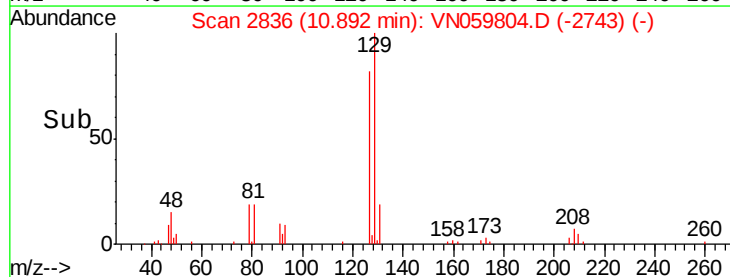
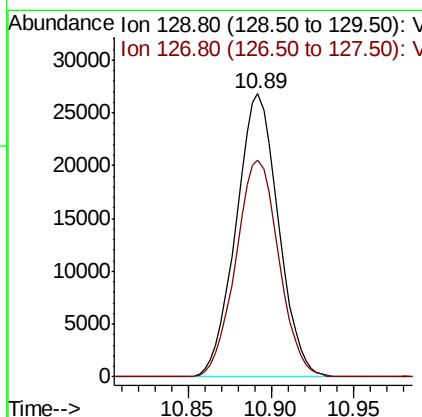
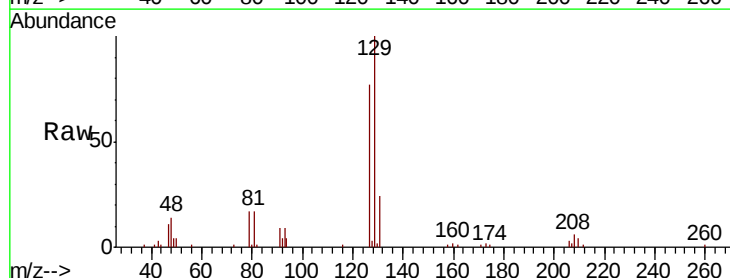
Instrument :
MSVOA_N
ClientSampled :

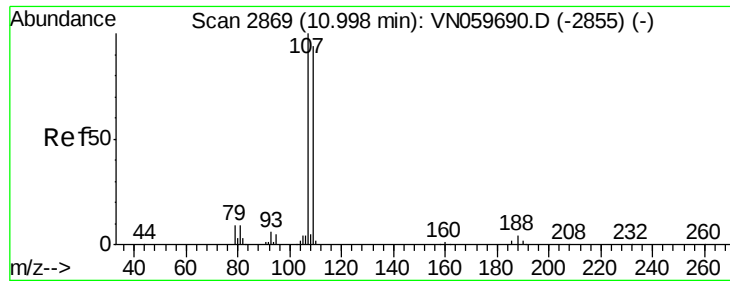
Tot Ion: 43 Resp: 169122
Ion Ratio Lower Upper
43 100
58 55.8 25.8 77.3



#60
Dibromochloromethane
Concen: 20.414 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 129 Resp: 47613
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5

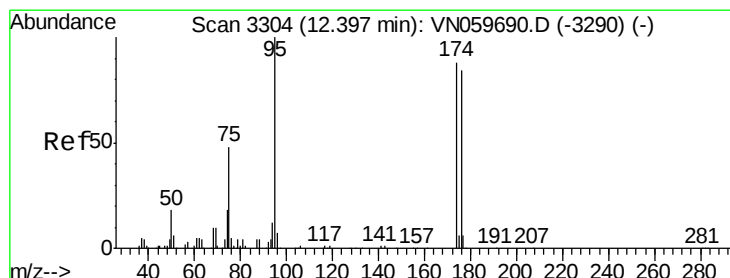
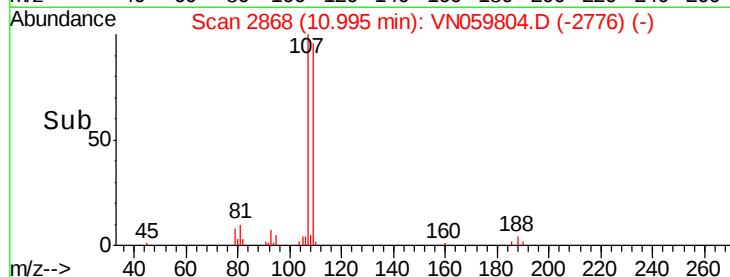
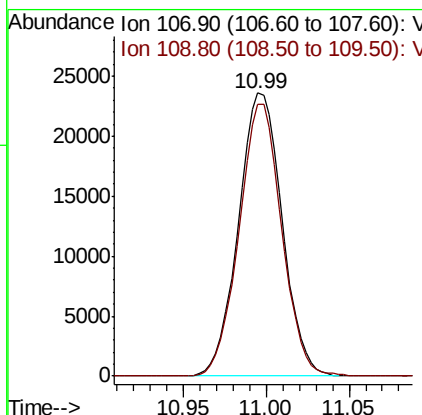
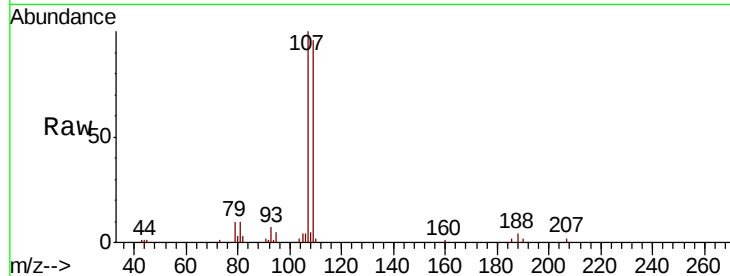




#61
 1,2-Dibromoethane
 Concen: 20.086 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

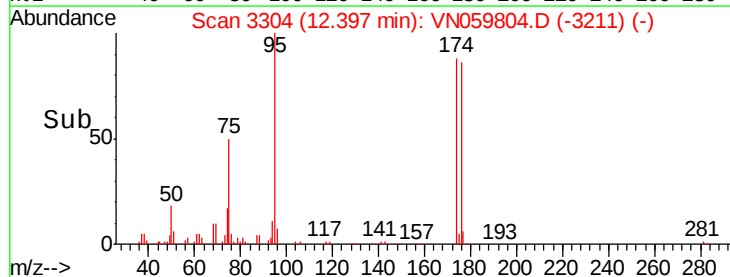
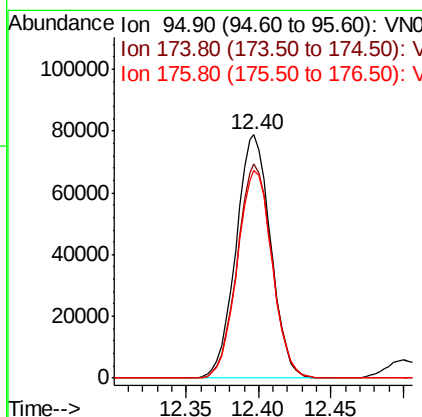
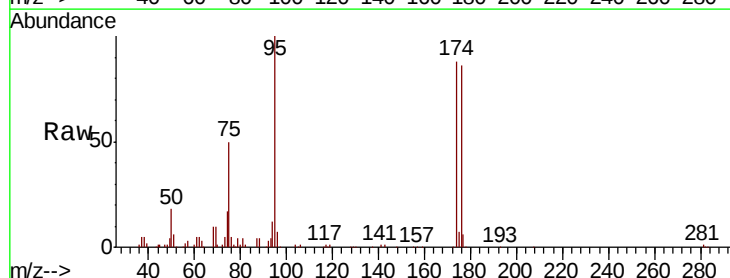
Instrument :
 MSVOA_N
 ClientSampled :

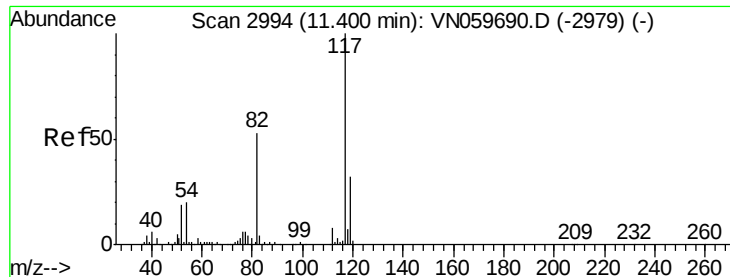
Tot Ion:107 Resp: 43120
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 49.661 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

Tgt Ion: 95 Resp: 130399
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 151.4
 176 86.1 0.0 146.0

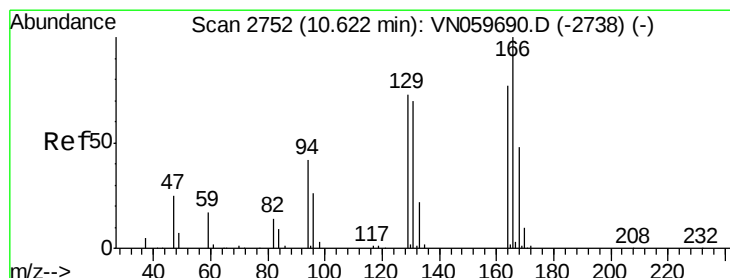
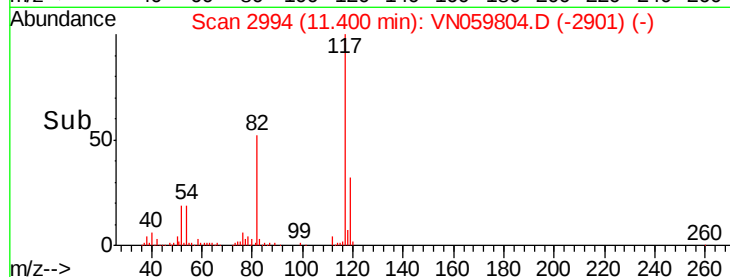
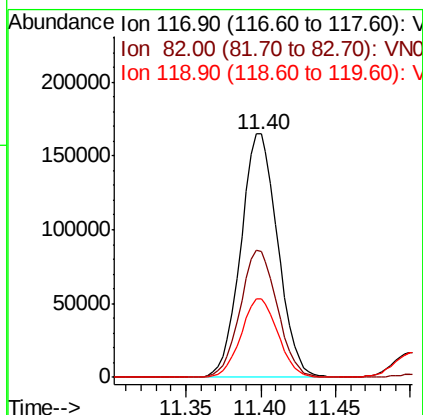
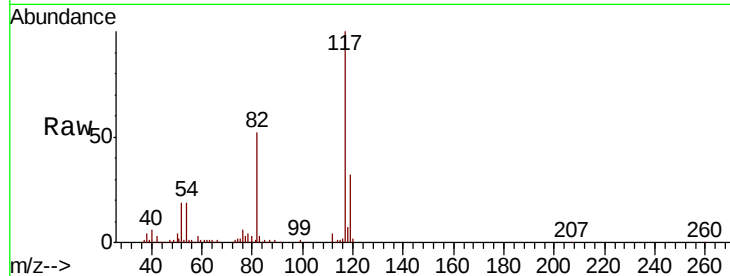




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

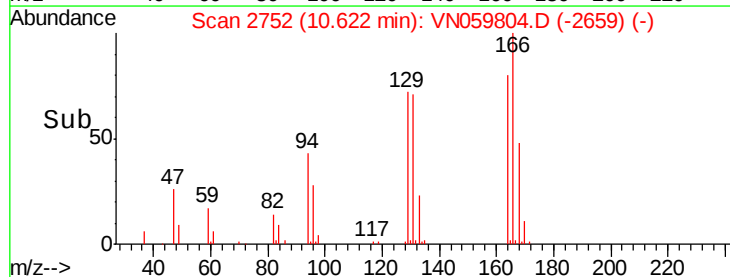
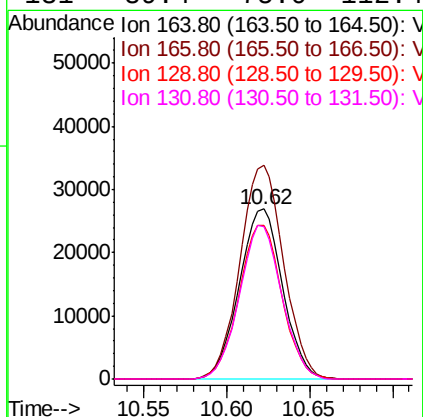
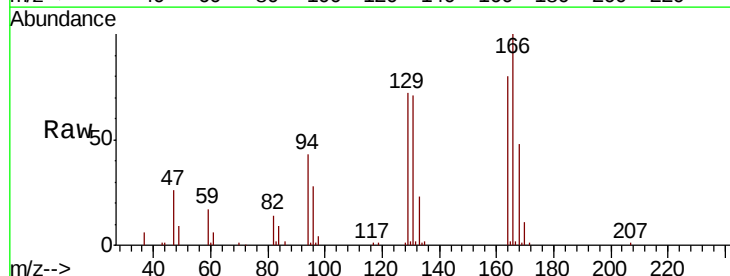
Instrument :
MSVOA_N
ClientSampled :

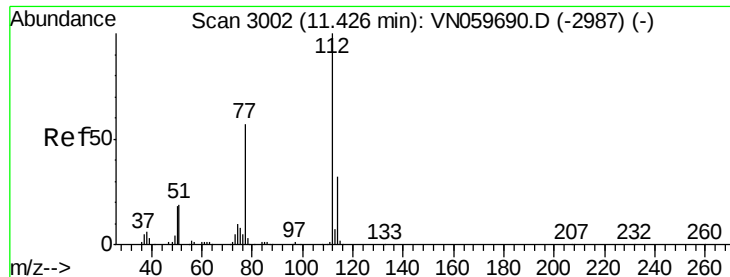
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	45.9	68.9
119	32.5	25.5	38.3



#64
Tetrachloroethene
Concen: 21.138 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.4	152.0
129	90.3	80.2	120.4
131	89.4	75.0	112.4

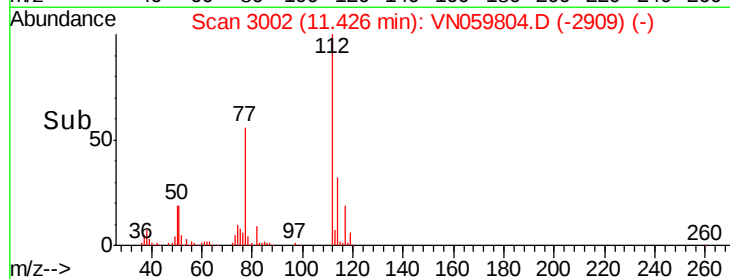
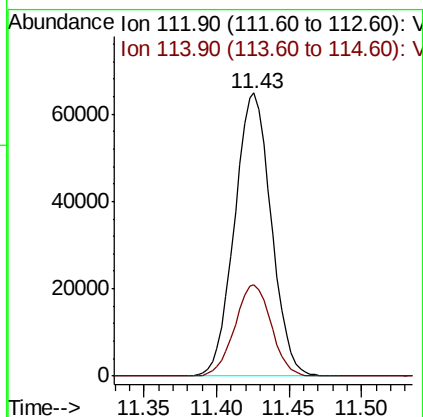
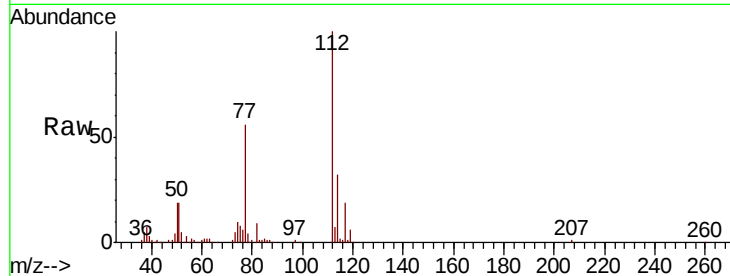




#65
Chlorobenzene
Concen: 20.435 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

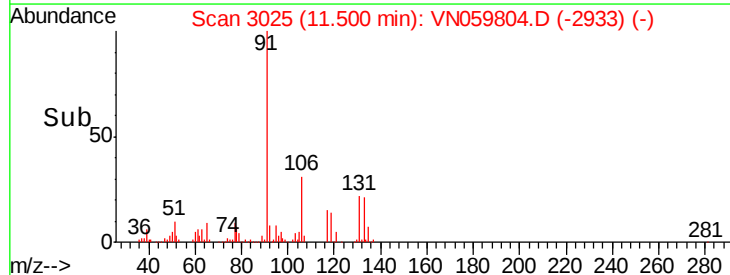
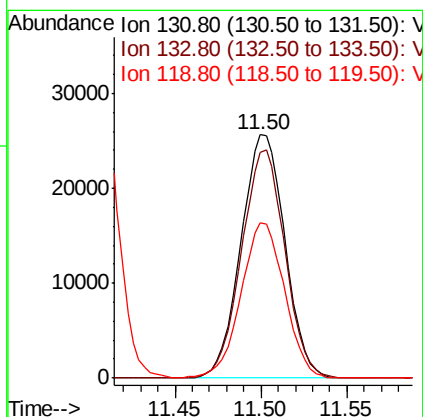
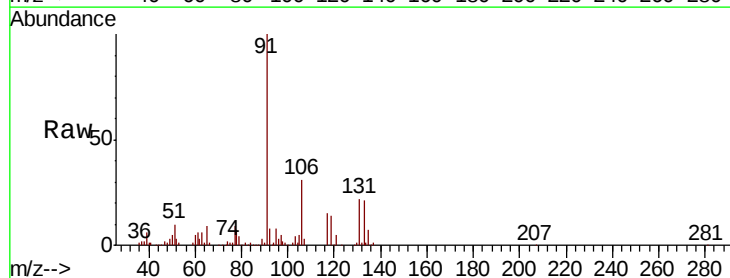
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 113796
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.152 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion:131 Resp: 45513
Ion Ratio Lower Upper
131 100
133 93.0 47.4 142.2
119 63.2 33.1 99.3

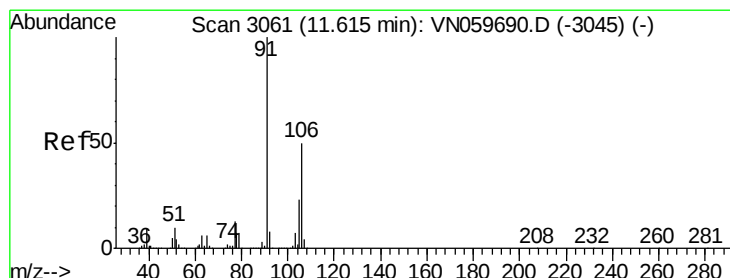
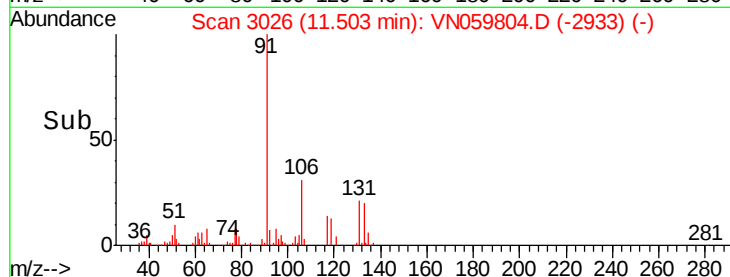
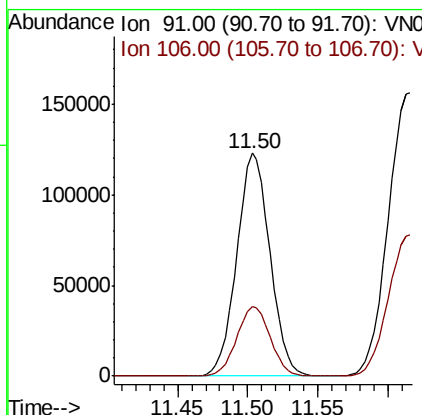
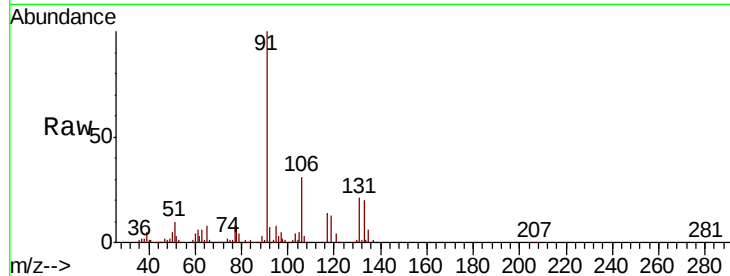




#67
Ethyl Benzene
Concen: 20.081 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

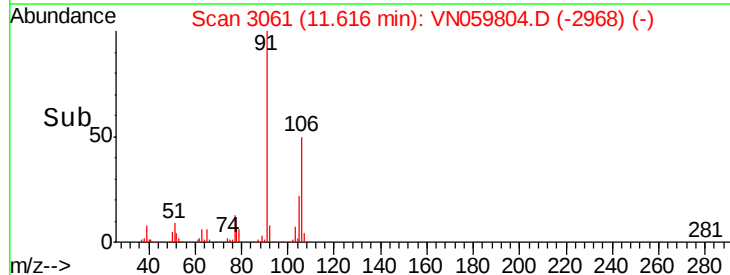
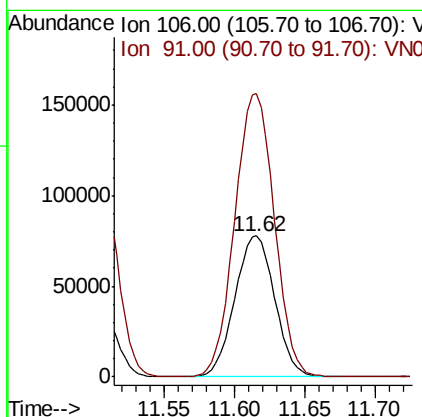
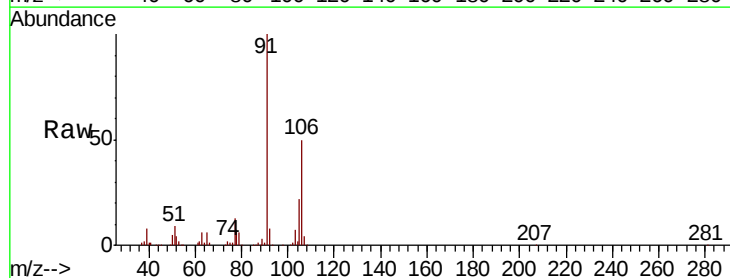
Instrument :
MSVOA_N
ClientSampleId :

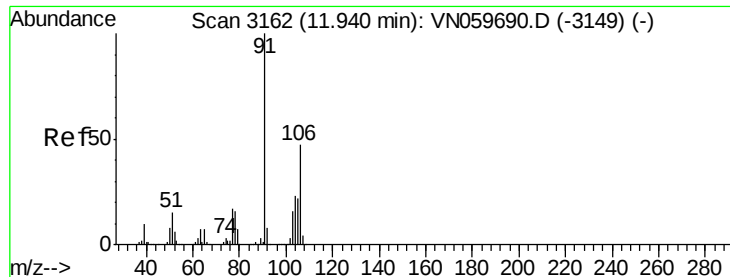
Tot Ion: 91 Resp: 202998
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1



#68
m/p-Xylenes
Concen: 40.237 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion: 106 Resp: 153649
Ion Ratio Lower Upper
106 100
91 199.5 167.9 251.9

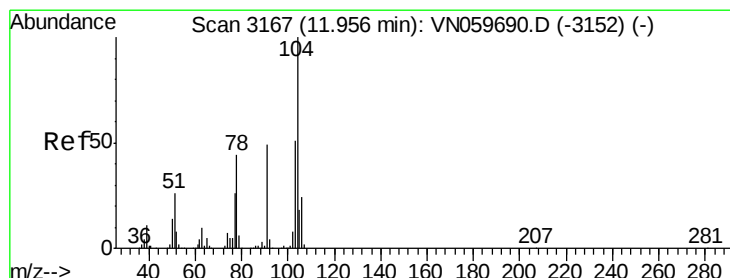
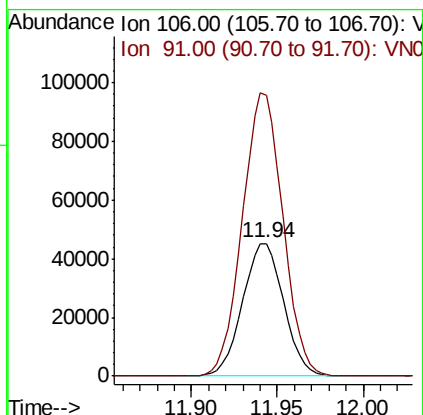
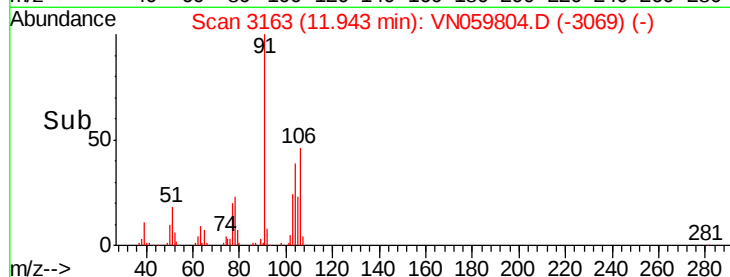
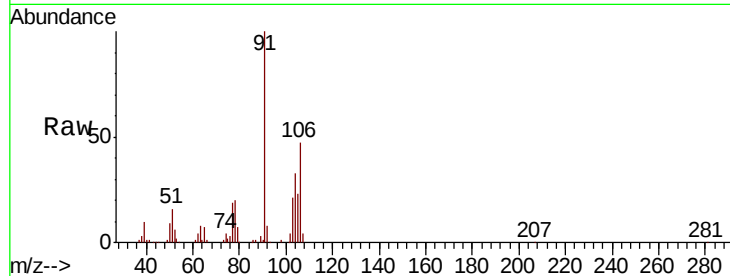




#69
o-Xylene
Concen: 20.068 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

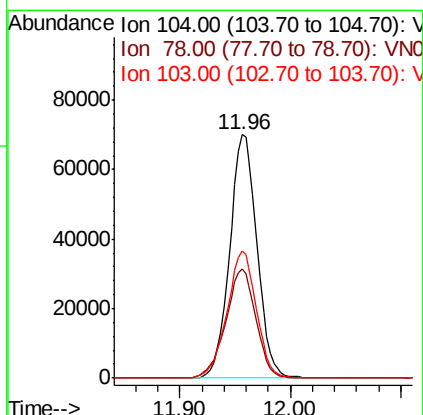
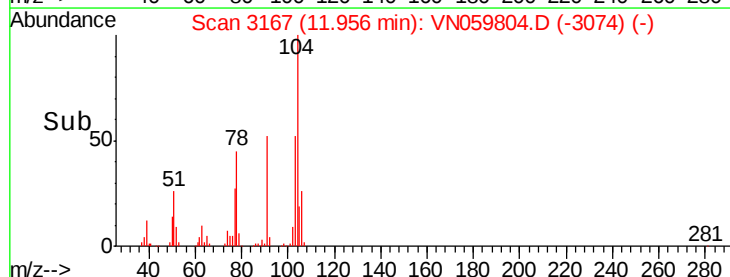
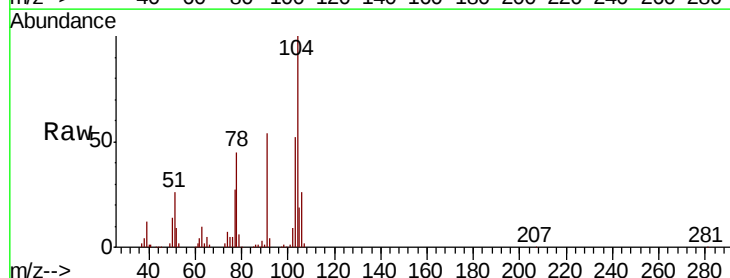
Instrument :
MSVOA_N
ClientSampled :

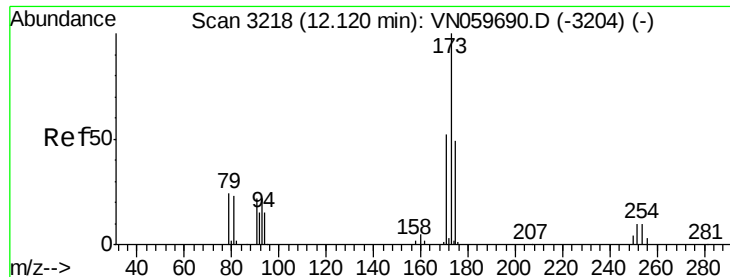
Tot Ion:106 Resp: 75025
Ion Ratio Lower Upper
106 100
91 211.0 110.3 330.9



#70
Styrene
Concen: 19.170 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion:104 Resp: 119924
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 56.0 43.9 65.9

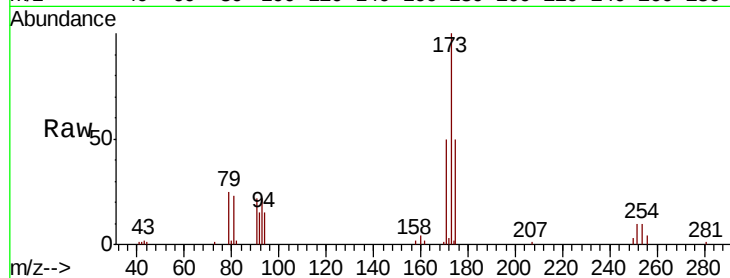




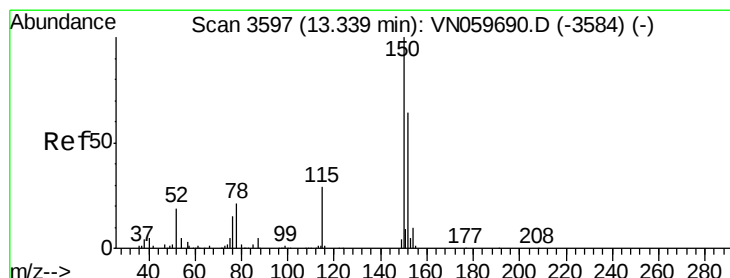
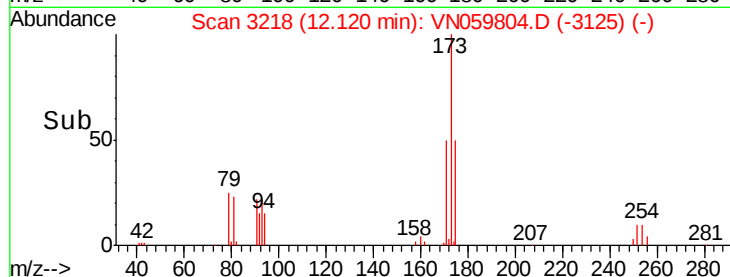
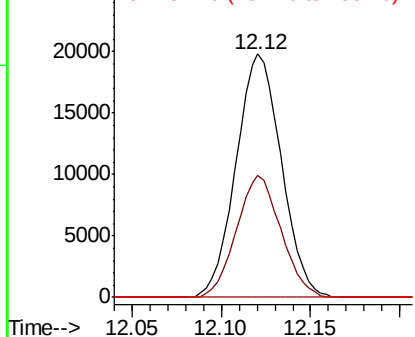
#71
Bromoform
Concen: 20.357 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 35087
Ion Ratio Lower Upper
173 100
175 49.1 23.8 71.4
254 0.0 0.0 0.0

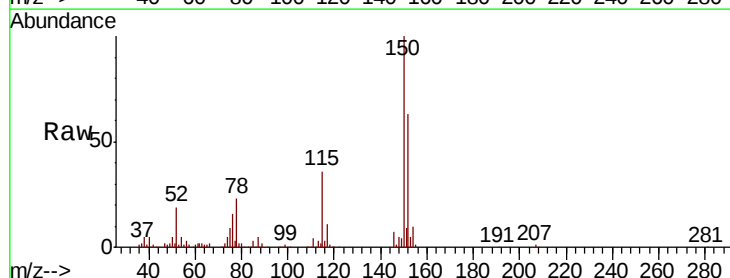


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

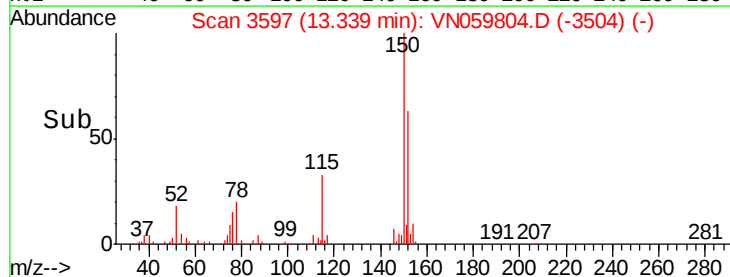
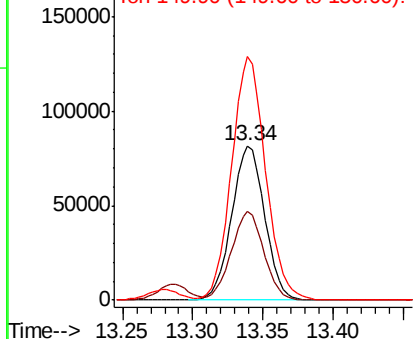


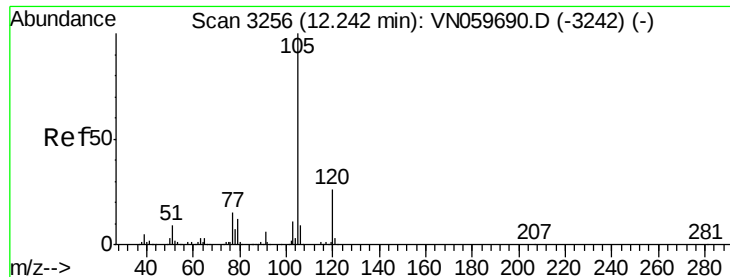
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059804.D
Acq: 21 Jan 2020 12:05

Tgt Ion:152 Resp: 133576
Ion Ratio Lower Upper
152 100
115 56.6 30.3 90.9
150 161.7 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: 20.498 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

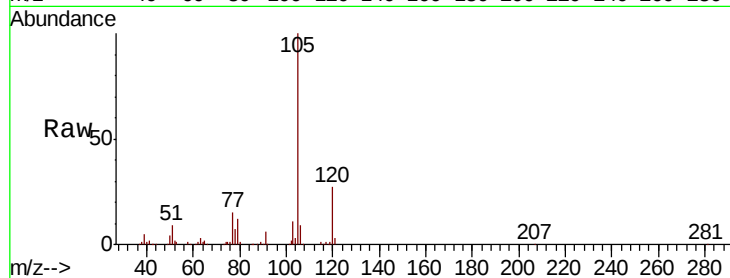
ClientSampled :

Tot Ion: 105 Resp: 200811

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

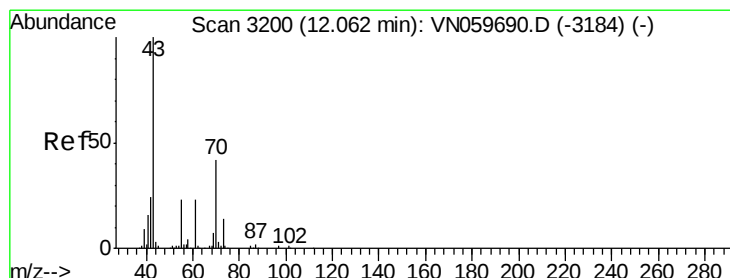
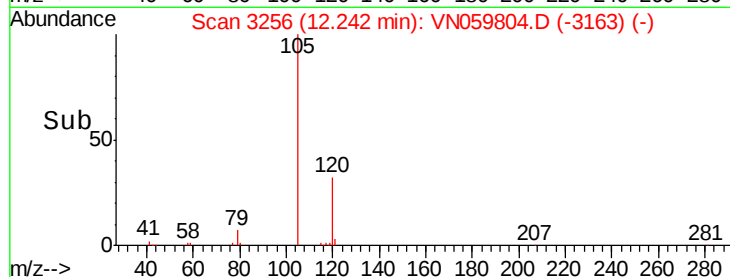
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 17.877 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Tgt Ion: 43 Resp: 67955

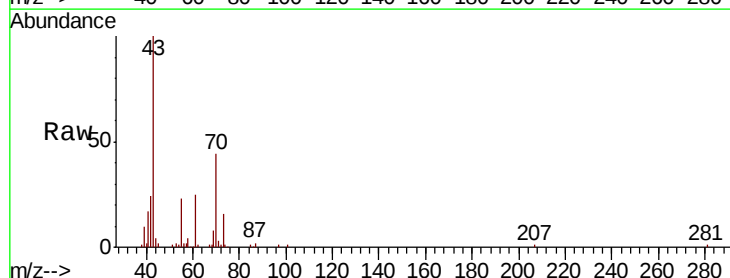
Ion Ratio Lower Upper

43 100

70 42.9 31.3 46.9

55 23.5 19.8 29.6

61 24.4 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

50000

40000

30000

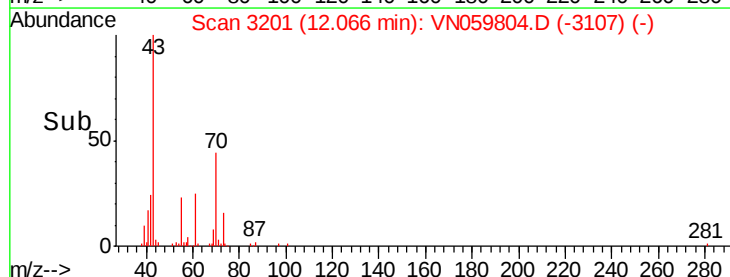
20000

10000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 19.437 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

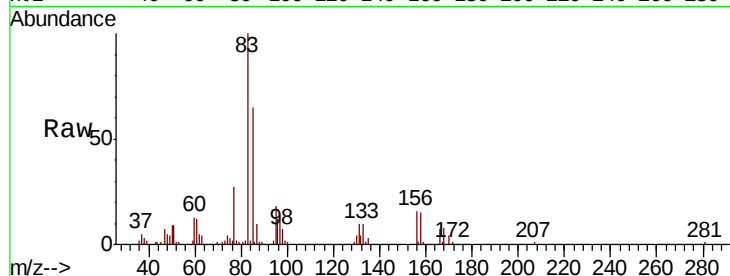
Tot Ion: 83 Resp: 55200

Ion Ratio Lower Upper

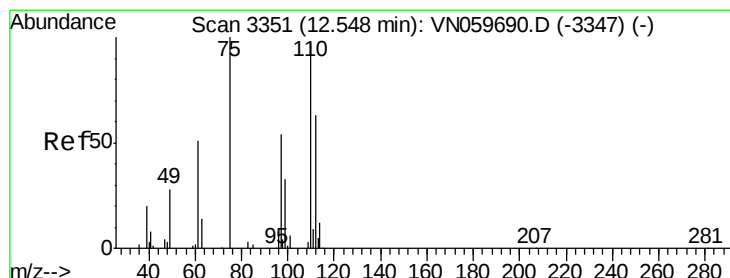
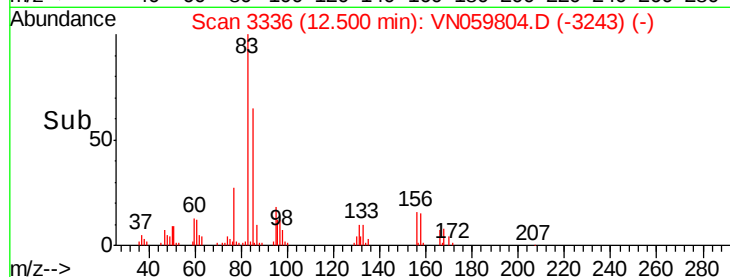
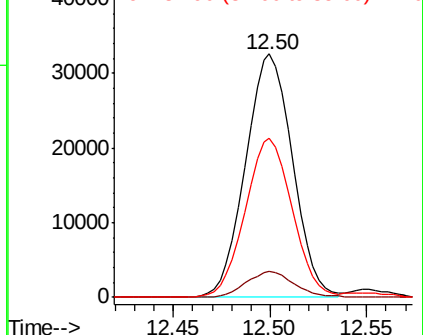
83 100

131 10.8 5.0 14.9

85 65.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 32.733 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059804.D

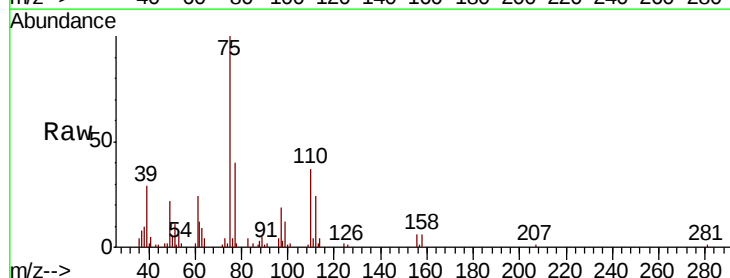
Acq: 21 Jan 2020 12:05

Tgt Ion: 75 Resp: 73582

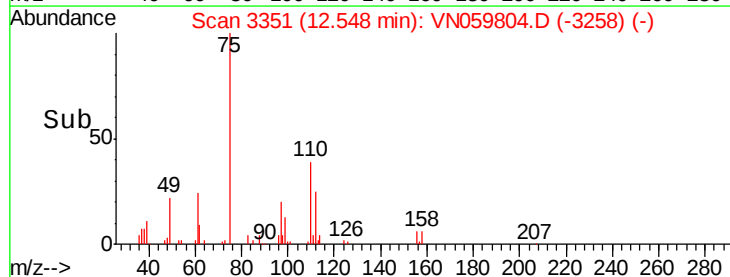
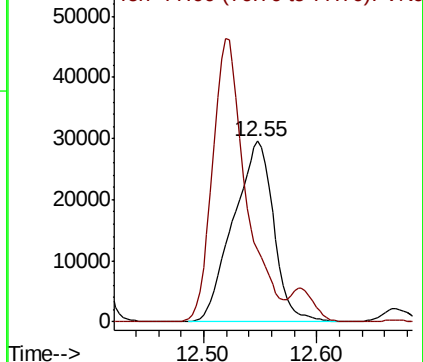
Ion Ratio Lower Upper

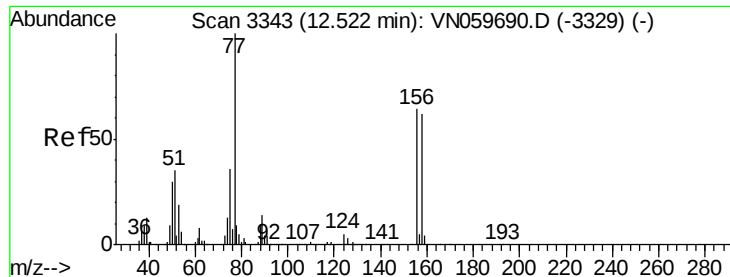
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.621 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

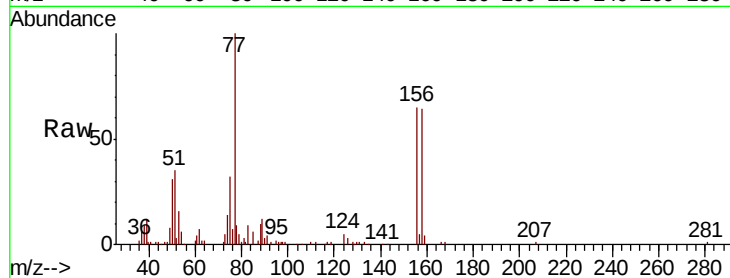
Tot Ion:156 Resp: 51156

Ion Ratio Lower Upper

156 100

77 185.7 115.8 347.4

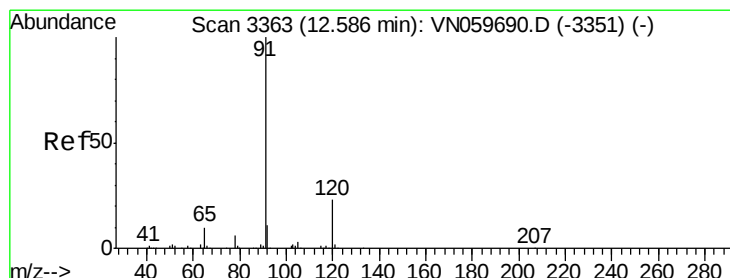
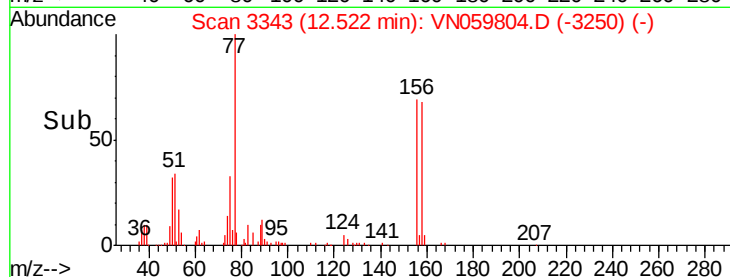
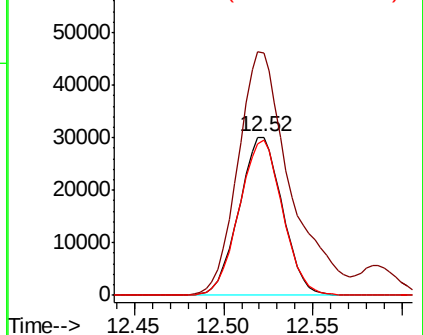
158 97.9 49.2 147.6



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: 20.236 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059804.D

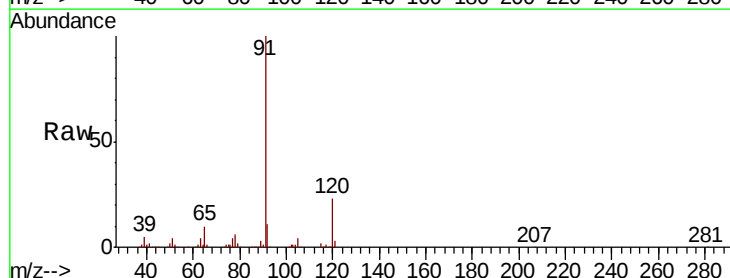
Acq: 21 Jan 2020 12:05

Tgt Ion: 91 Resp: 222503

Ion Ratio Lower Upper

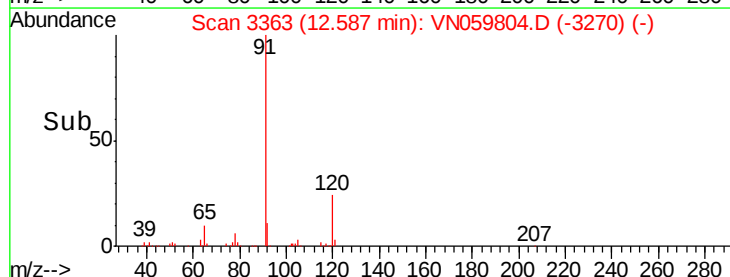
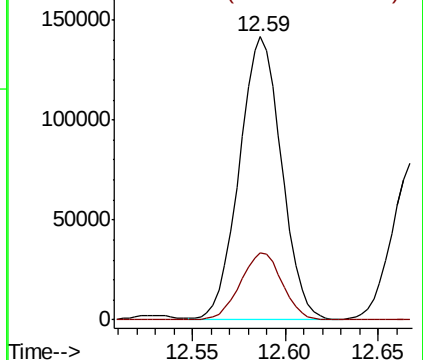
91 100

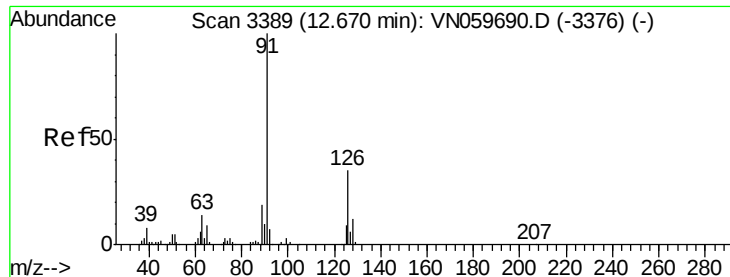
120 23.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.200 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

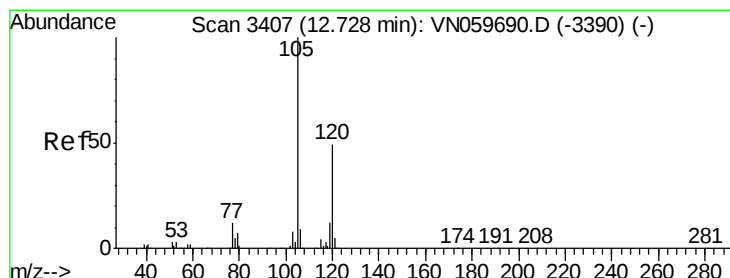
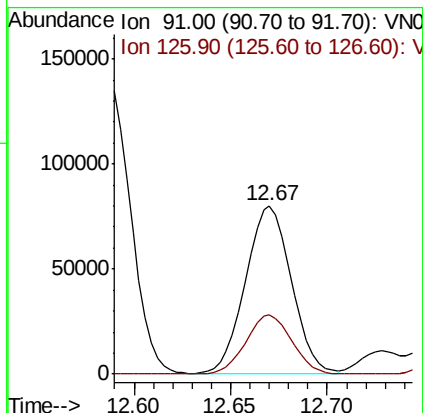
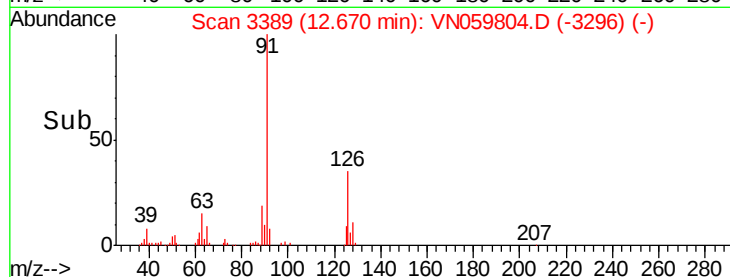
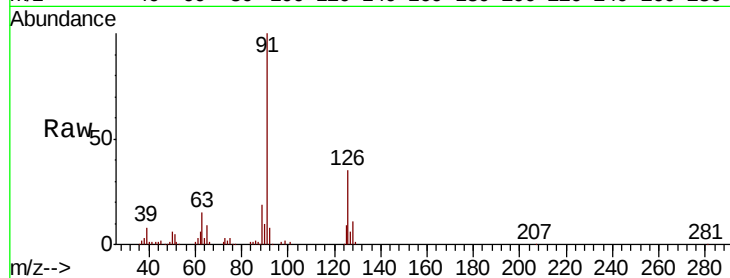
ClientSampleId :

Tot Ion: 91 Resp: 132129

Ion Ratio Lower Upper

91 100

126 35.3 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 20.369 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059804.D

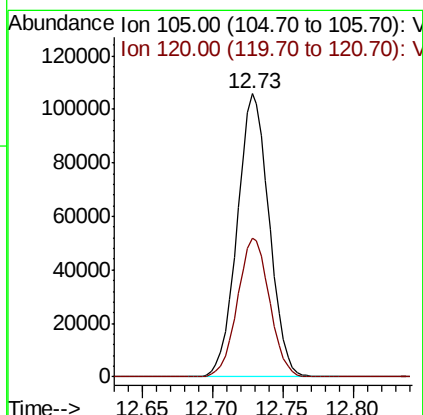
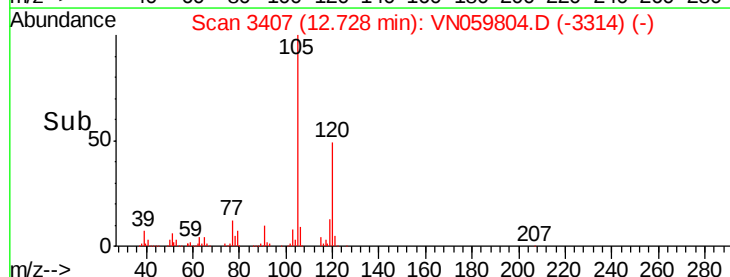
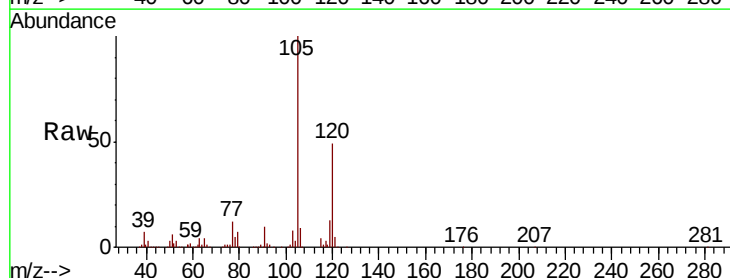
Acq: 21 Jan 2020 12:05

Tgt Ion: 105 Resp: 167814

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.504 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

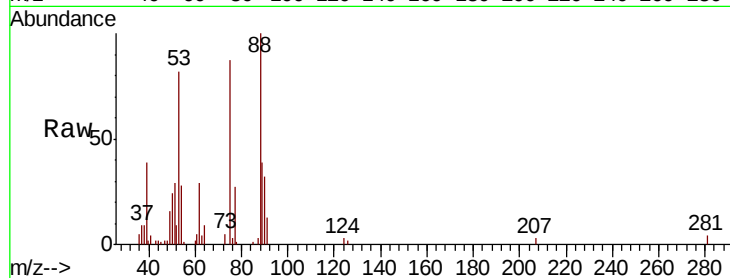
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 19370

Ion	Ratio	Lower	Upper
75	100		
53	93.3	78.1	117.1
89	45.3	35.4	53.2

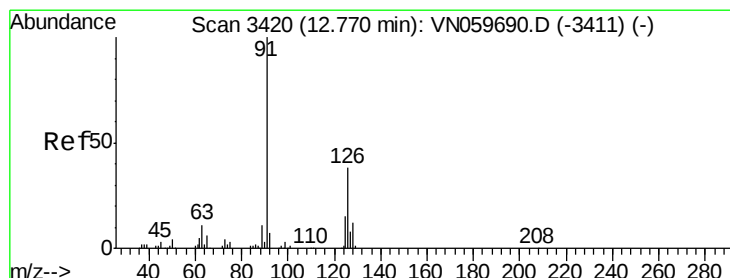
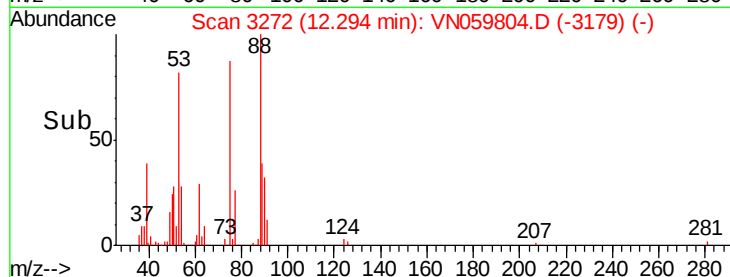
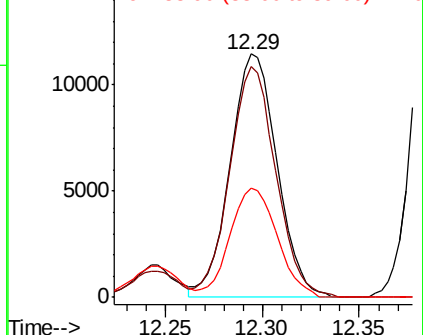


Abundance

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: 20.179 ug/l

RT: 12.77 min Scan# 3420

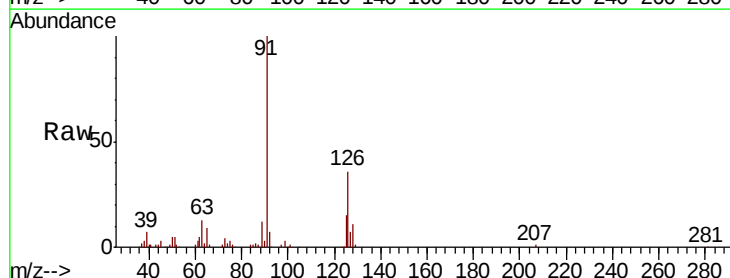
Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Tgt Ion: 91 Resp: 132394

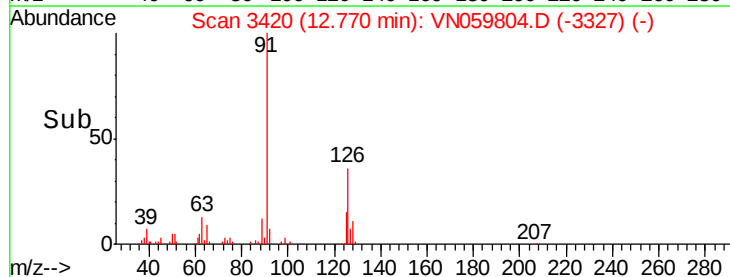
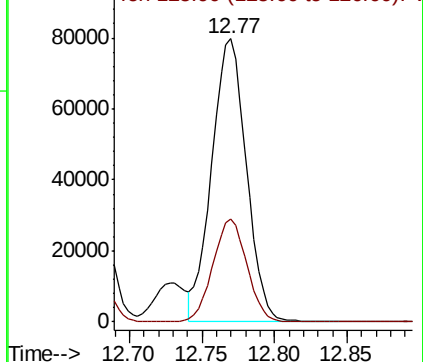
Ion	Ratio	Lower	Upper
91	100		
126	35.6	16.3	48.8

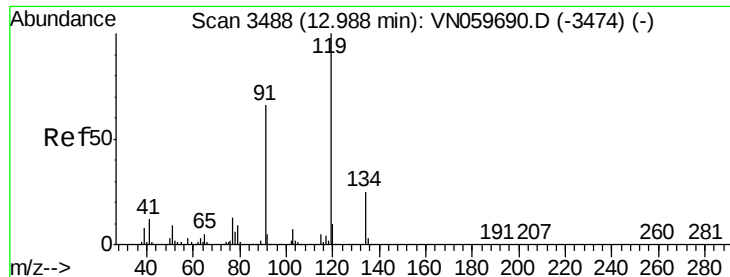


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

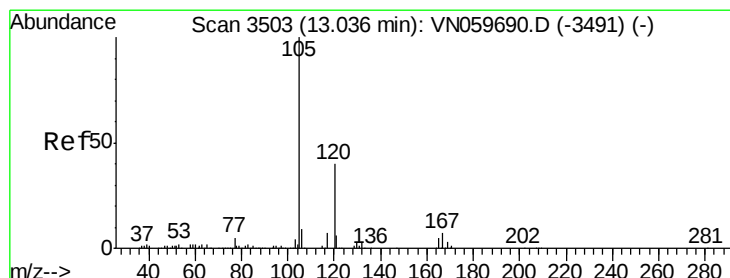
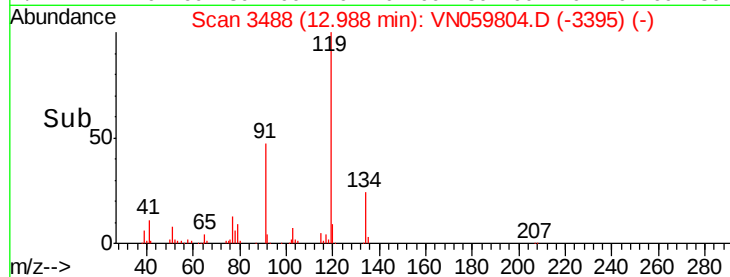
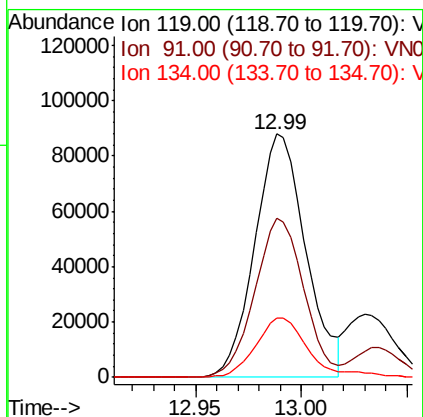
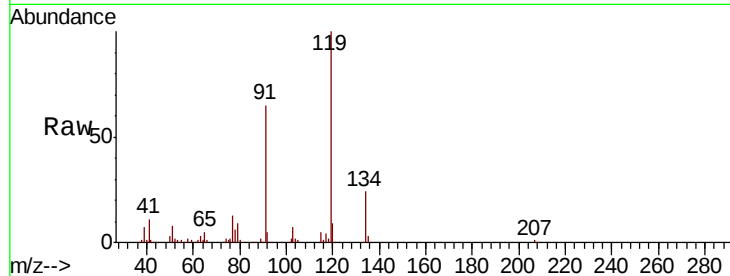




#83
 tert-Butylbenzene
 Concen: 20.786 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

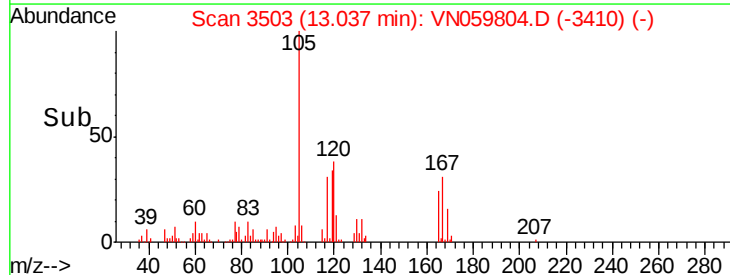
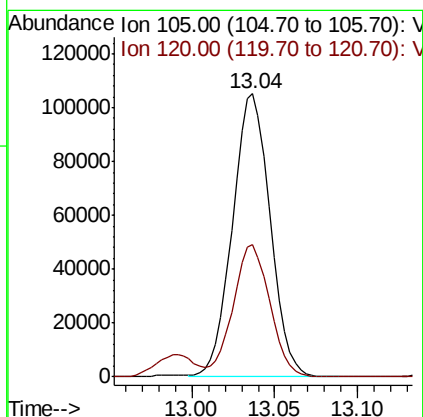
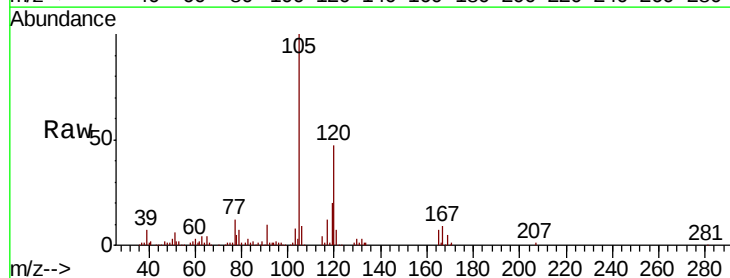
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 148113
 Ion Ratio Lower Upper
 119 100
 91 62.9 34.8 104.4
 134 25.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.413 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059804.D
 Acq: 21 Jan 2020 12:05

Tgt Ion:105 Resp: 166377
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 20.282 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

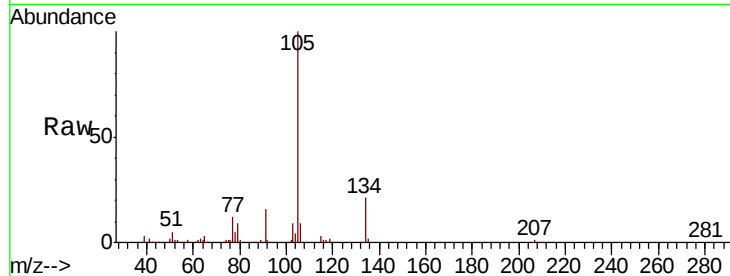
ClientSampleId :

Tot Ion:105 Resp: 189879

Ion Ratio Lower Upper

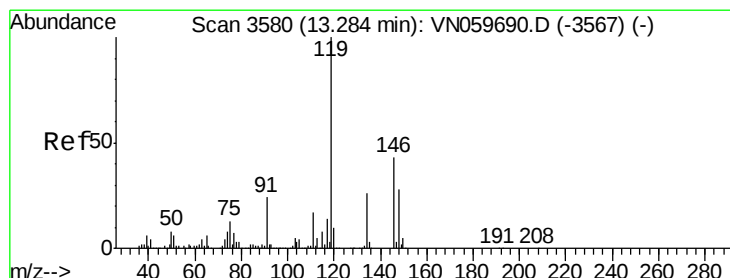
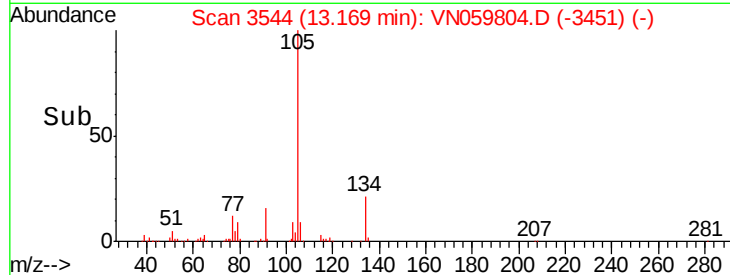
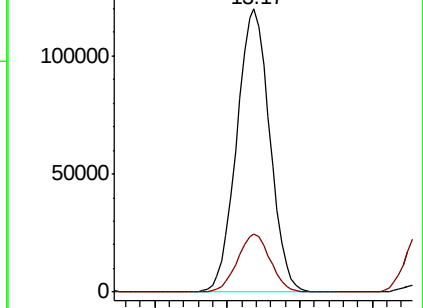
105 100

134 20.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.132 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

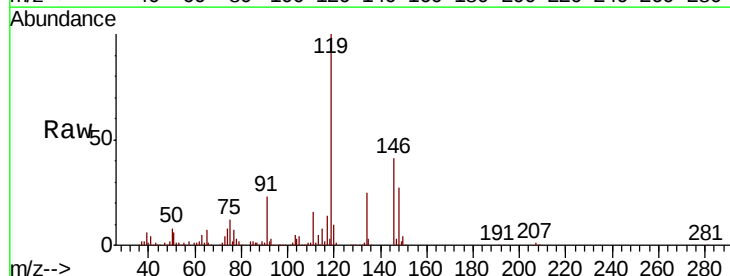
Tgt Ion:119 Resp: 174392

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

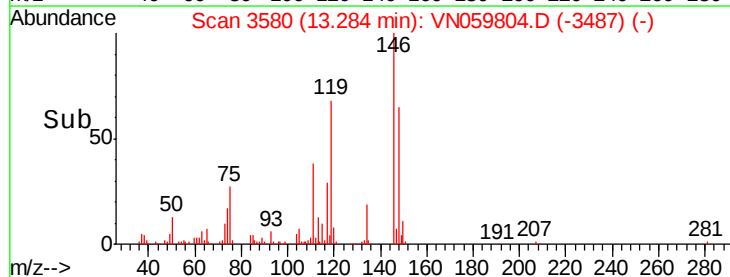
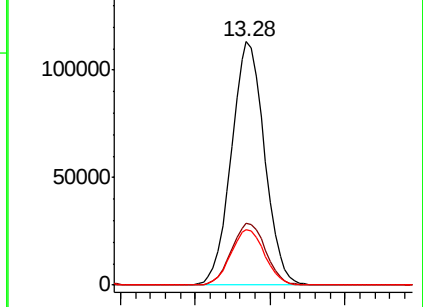
91 23.4 12.4 37.4

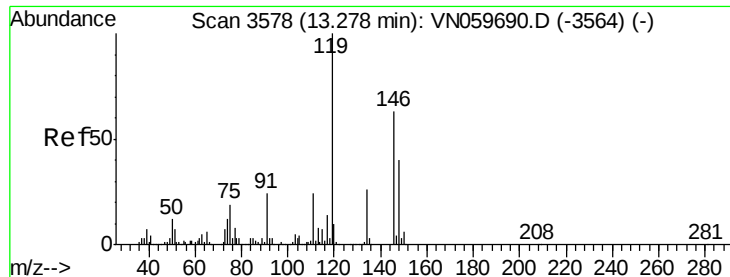


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.264 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

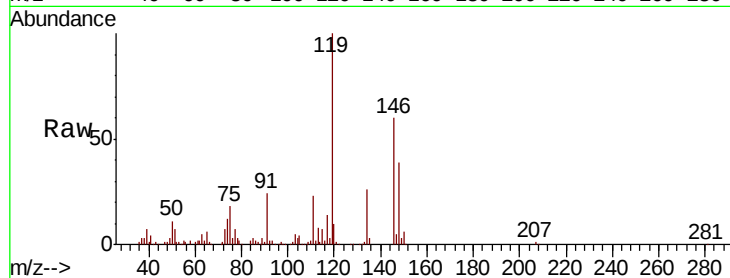
Tot Ion:146 Resp: 87326

Ion Ratio Lower Upper

146 100

111 38.9 20.8 62.2

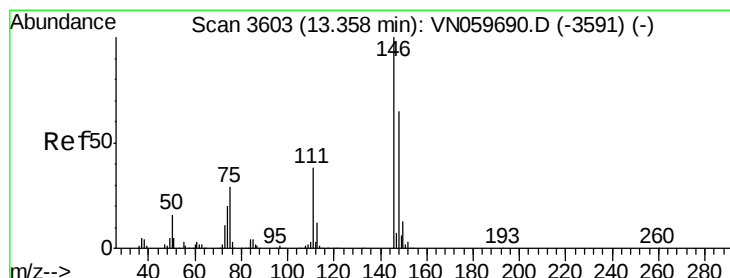
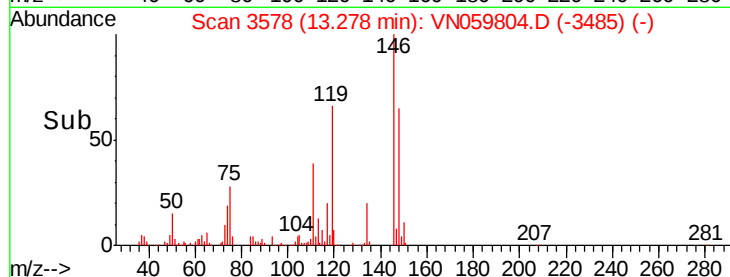
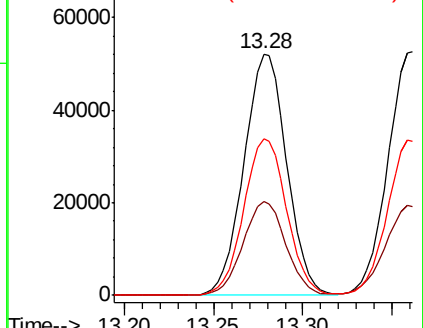
148 65.1 32.0 96.0



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: 20.430 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

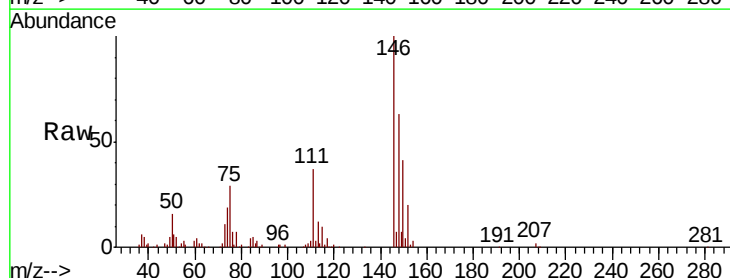
Tgt Ion:146 Resp: 87827

Ion Ratio Lower Upper

146 100

111 38.8 20.8 62.2

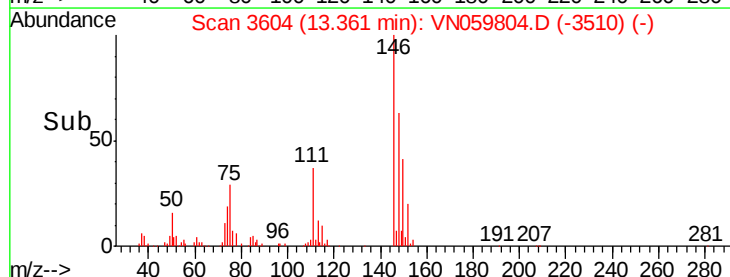
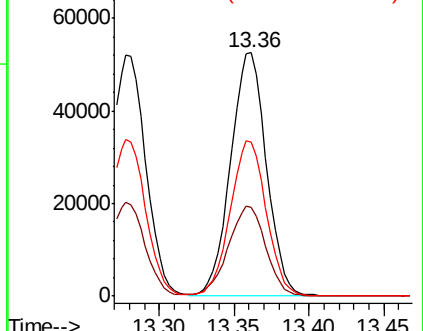
148 64.3 31.8 95.4

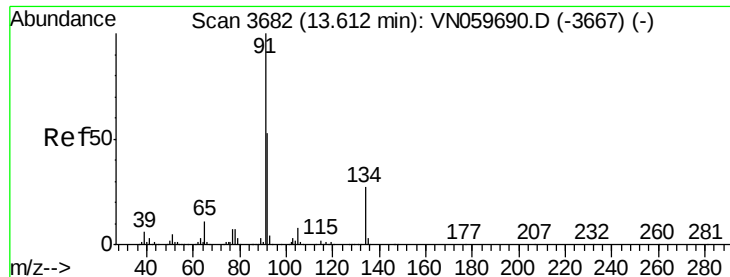


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.715 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

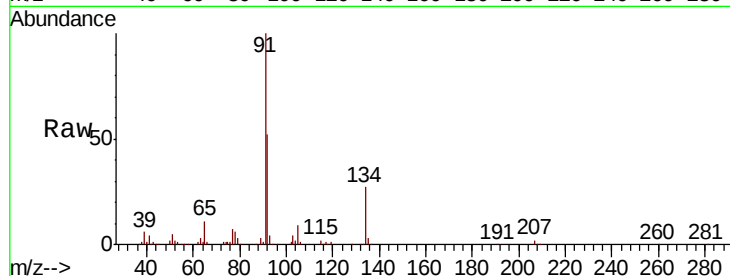
Tot Ion: 91 Resp: 145614

Ion Ratio Lower Upper

91 100

92 51.4 25.9 77.7

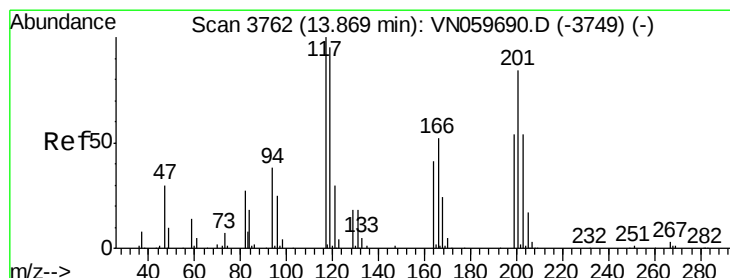
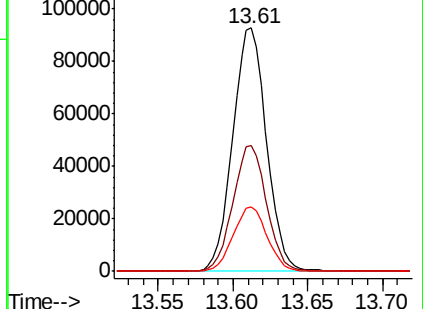
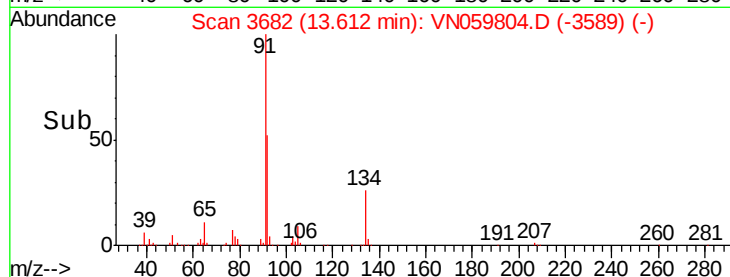
134 26.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059804.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN059804.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN059804.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.697 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059804.D

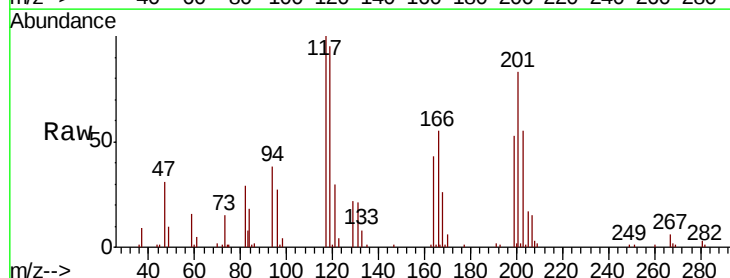
Acq: 21 Jan 2020 12:05

Tgt Ion: 117 Resp: 31924

Ion Ratio Lower Upper

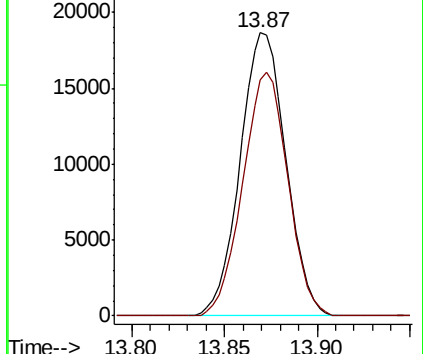
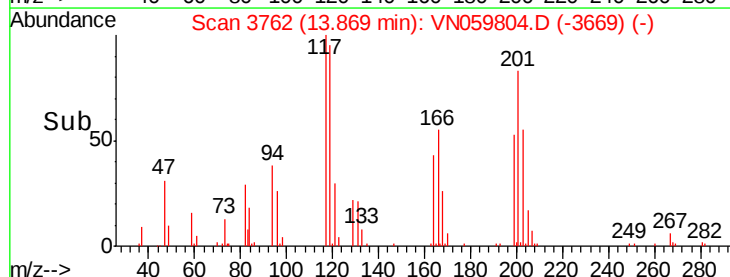
117 100

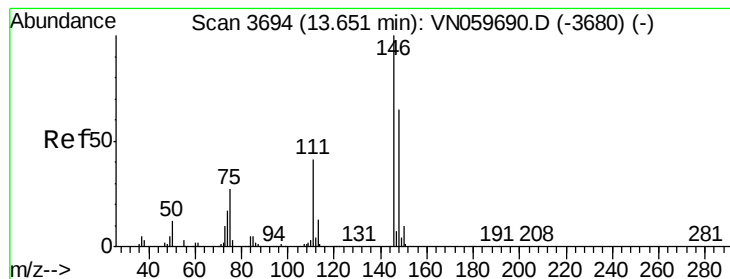
201 84.8 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059804.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059804.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 20.697 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

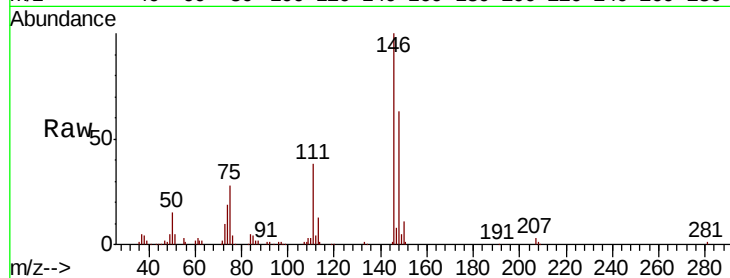
Tot Ion:146 Resp: 88175

Ion Ratio Lower Upper

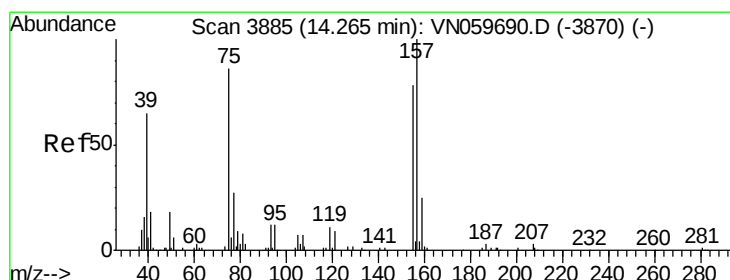
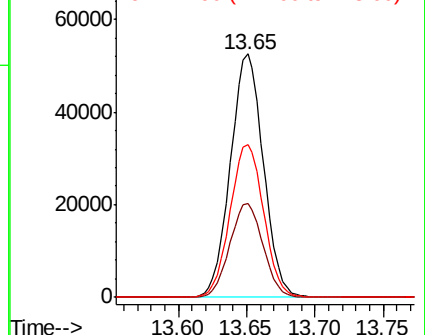
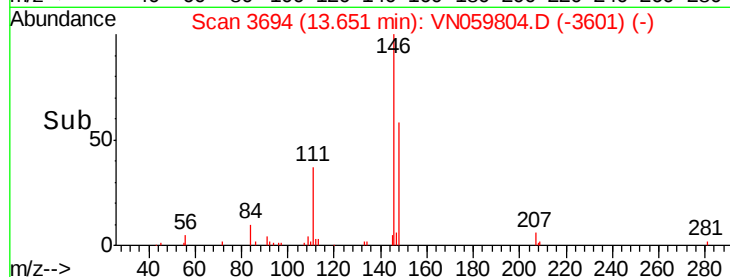
146 100

111 38.7 21.6 64.8

148 63.9 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.272 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

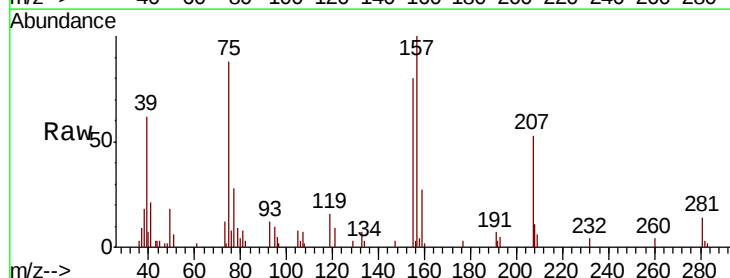
Tgt Ion: 75 Resp: 11946

Ion Ratio Lower Upper

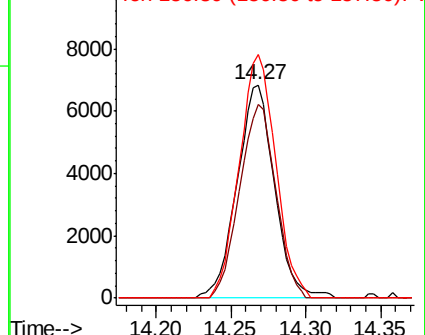
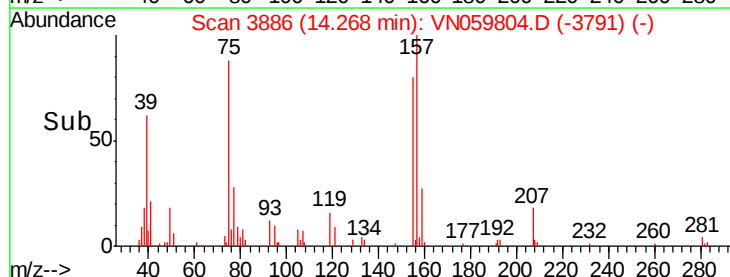
75 100

155 87.5 37.0 110.9

157 110.7 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.783 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

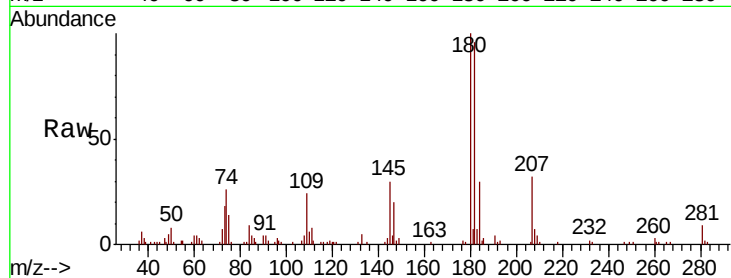
Tot Ion:180 Resp: 50642

Ion Ratio Lower Upper

180 100

182 93.8 46.9 140.7

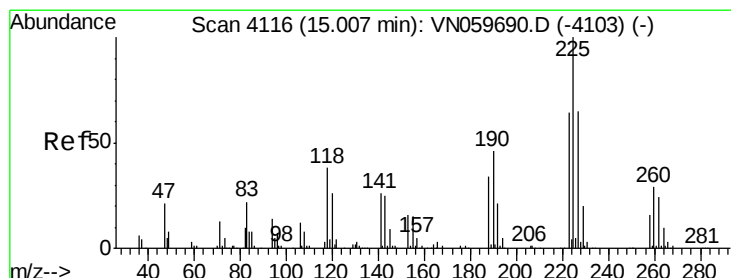
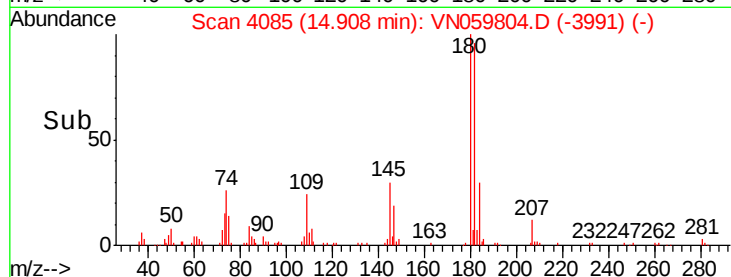
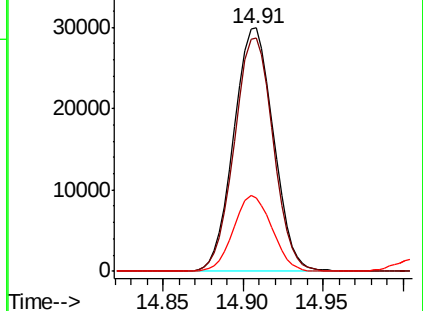
145 30.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.073 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

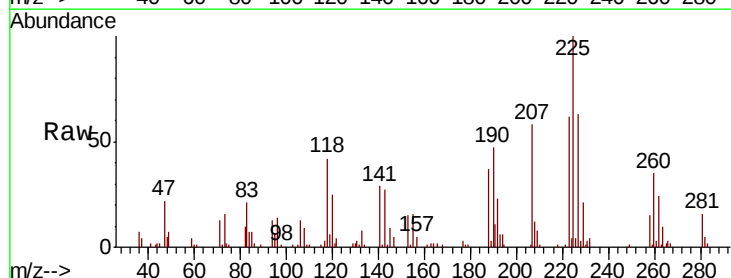
Tgt Ion:225 Resp: 28316

Ion Ratio Lower Upper

225 100

223 63.0 31.8 95.3

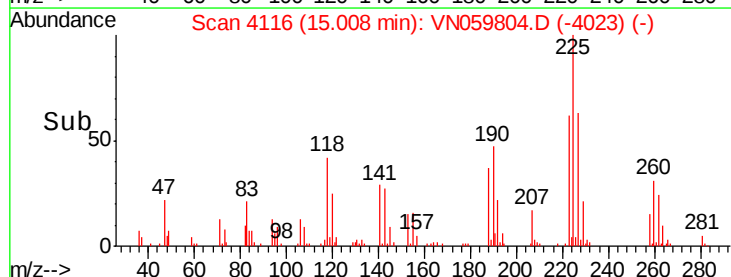
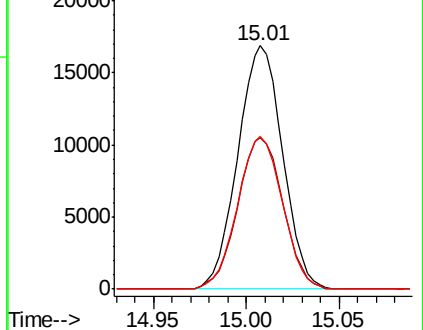
227 62.6 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.901 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

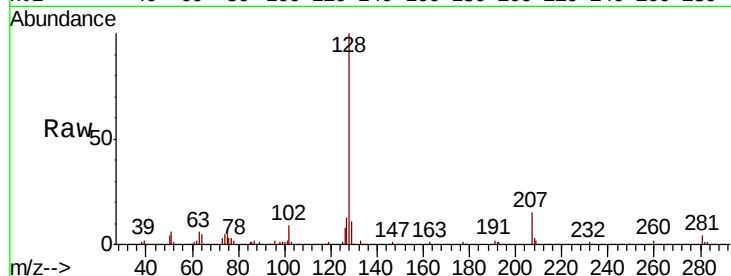
Tot Ion:128 Resp: 130342

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

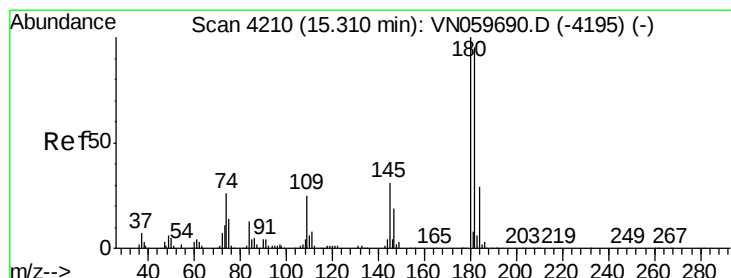
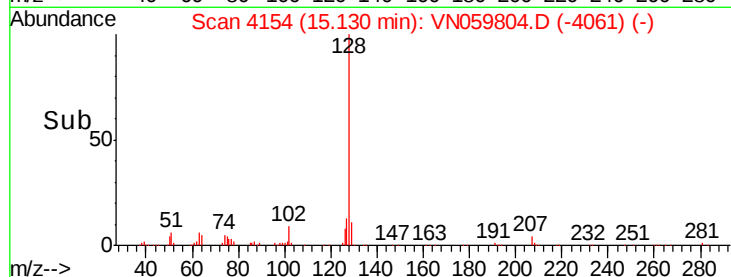
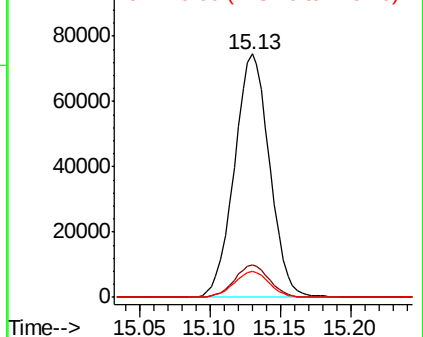
129 10.6 8.6 12.8



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: 19.503 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059804.D

Acq: 21 Jan 2020 12:05

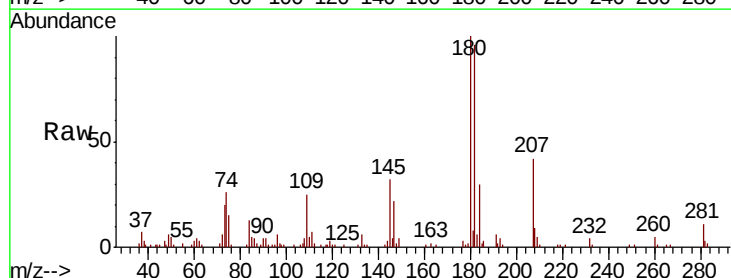
Tgt Ion:180 Resp: 48595

Ion Ratio Lower Upper

180 100

182 96.6 47.4 142.3

145 31.2 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

