

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033020\
 Data File : VN060768.D
 Acq On : 30 Mar 2020 14:19
 Operator : JC/MD
 Sample : L2031-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 31 07:59:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128751	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.57	113	96849	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.08	98	407654	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	154548	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

					Qvalue
11) Tert butyl alcohol	4.72	59	112	0.281	ug/l # 72
13) Acrolein	3.58	56	1802	4.080	ug/l 98
16) Acetone	3.78	43	27761	28.923	ug/l 98
17) Carbon Disulfide	4.03	76	1607	0.247	ug/l # 75
18) Methyl Acetate	4.29	43	2741	1.015	ug/l # 77
20) Methylene Chloride	4.52	84	5596	2.370	ug/l 98
25) 2-Butanone	6.80	43	3228	2.078	ug/l # 87
26) 2,2-Dichloropropane	6.76	77	808	0.237	ug/l # 53
29) Tetrahydrofuran	7.18	42	240	0.218	ug/l # 35
31) Cyclohexane	7.64	56	4164	0.954	ug/l # 1
36) 1,1-Dichloropropene	7.64	75	15368	4.823	ug/l # 49
38) Carbon Tetrachloride	7.64	117	18989	6.649	ug/l # 16
43) Isopropyl Acetate	8.14	43	62218	10.958	ug/l # 91
45) 1,2-Dichloropropane	9.25	63	1049	0.413	ug/l # 43
48) Methyl methacrylate	9.16	41	4219	1.669	ug/l # 15
51) 4-Methyl-2-Pentanone	9.97	43	6228	1.928	ug/l 99
52) Toluene	10.14	92	123347	21.233	ug/l 99
53) t-1,3-Dichloropropene	10.14	75	1458	0.398	ug/l # 1
54) cis-1,3-Dichloropropene	9.89	75	22023	5.481	ug/l # 62
57) 1,3-Dichloropropene	10.75	76	3139	0.809	ug/l # 42
59) 2-Hexanone	10.75	43	47779	20.528	ug/l # 53
67) Ethyl Benzene	11.50	91	14517	1.263	ug/l 98
68) m/p-Xylenes	11.61	106	20223	4.734	ug/l 93
69) o-Xylene	11.94	106	13077	3.207	ug/l 98
71) Bromoform	12.40	173	564	1.973	ug/l # 1
73) Isopropylbenzene	12.24	105	2584	0.234	ug/l 99
74) N-amyl acetate	12.02	43	2894	0.568	ug/l # 47
76) 1,2,3-Trichloropropane	12.40	75	78825	24.867	ug/l # 100
78) n-propylbenzene	12.59	91	4701	0.361	ug/l 94
79) 2-Chlorotoluene	12.65	91	2772	0.356	ug/l # 42
80) 1,3,5-Trimethylbenzene	12.73	105	7099	0.759	ug/l 96
81) trans-1,4-Dichloro-2-buten	12.40	75	78825	63.867	ug/l # 13
83) tert-Butylbenzene	13.04	119	3959	0.510	ug/l # 70
84) 1,2,4-Trimethylbenzene	13.04	105	31888	3.445	ug/l 100

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QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

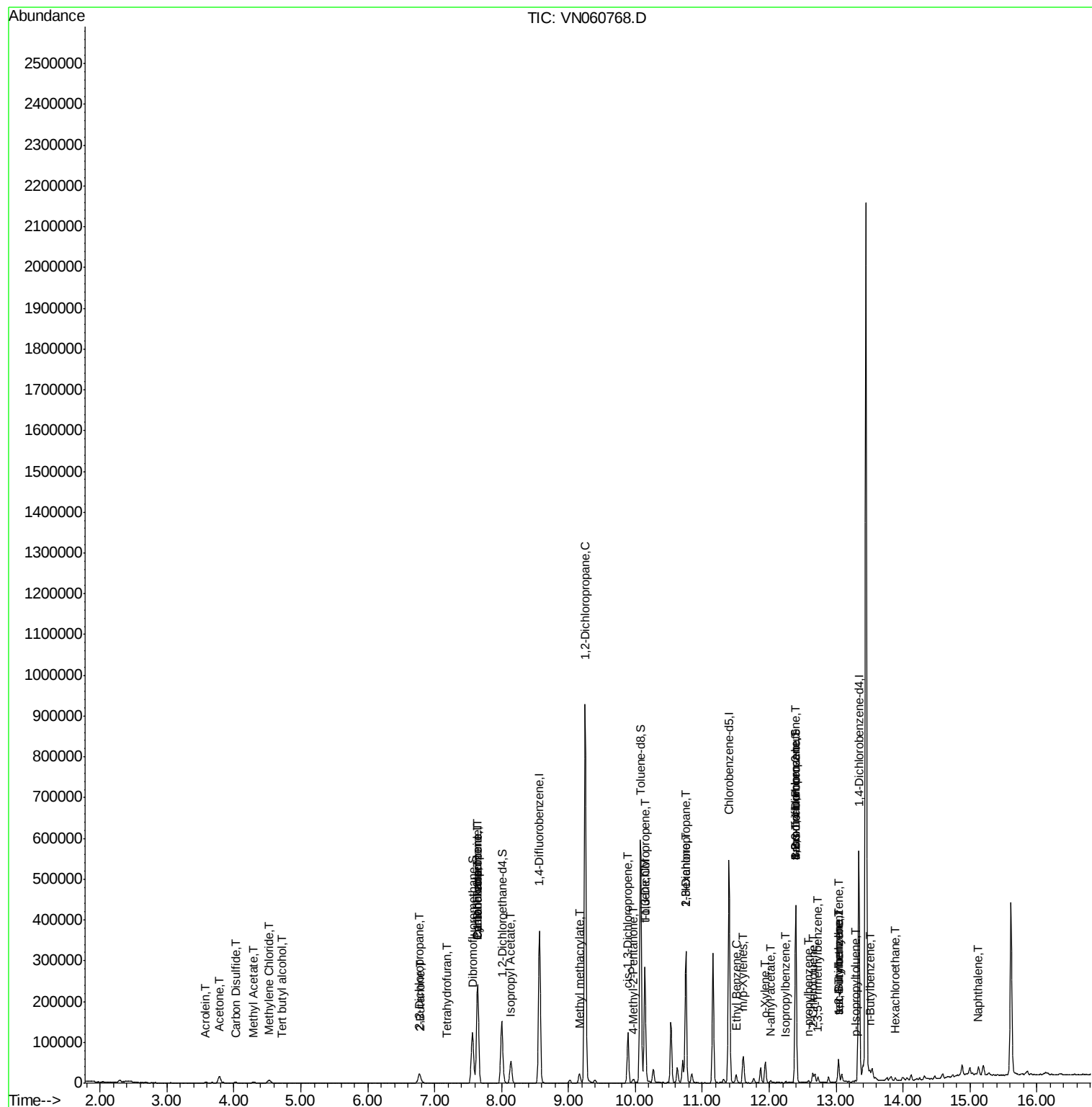
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	31888	3.058	ug/l #	58
86) p-Isopropyltoluene	13.29	119	3045	0.325	ug/l	100
89) n-Butylbenzene	13.50	91	1897	0.224	ug/l	75
90) Hexachloroethane	13.89	117	280	0.205	ug/l #	8
95) Naphthalene	15.13	128	16678	2.015	ug/l	99

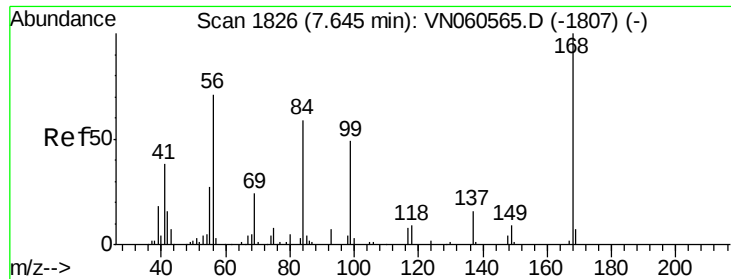
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

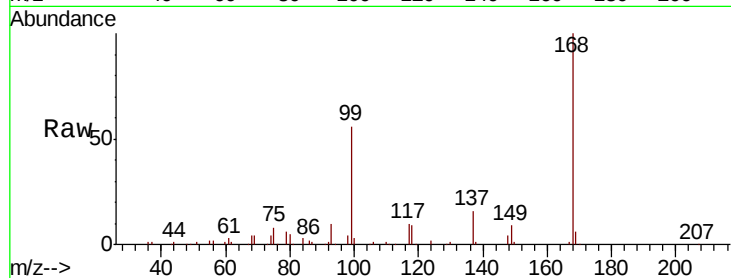
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 197385

Ion Ratio Lower Upper

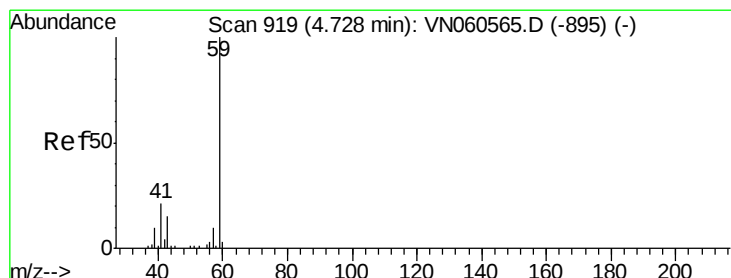
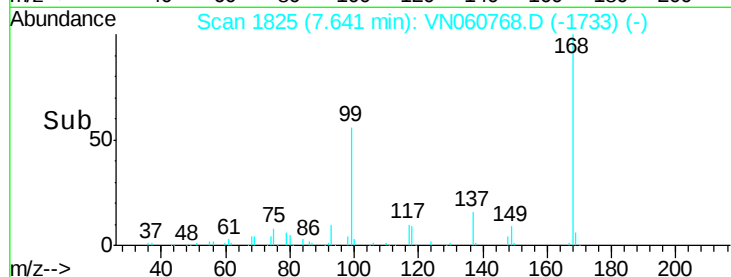
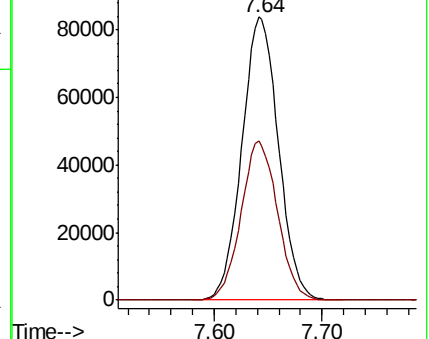
168 100

99 56.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.281 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.01 min

Lab File: VN060768.D

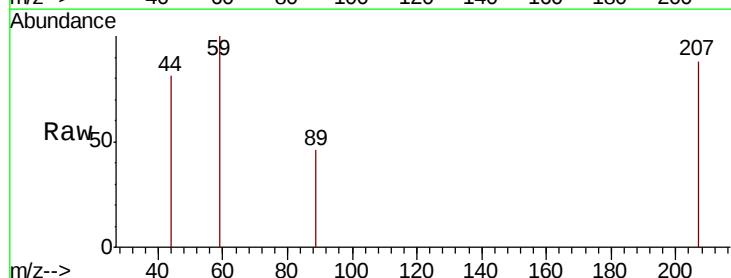
Acq: 30 Mar 2020 14:19

Tgt Ion: 59 Resp: 112

Ion Ratio Lower Upper

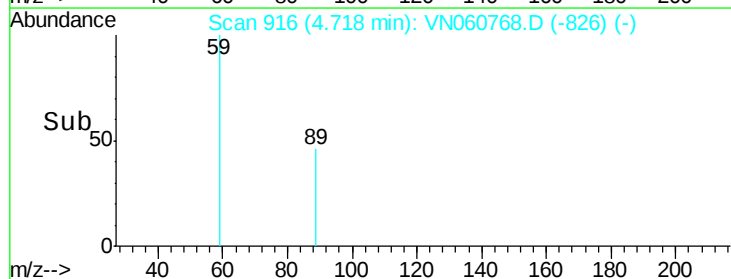
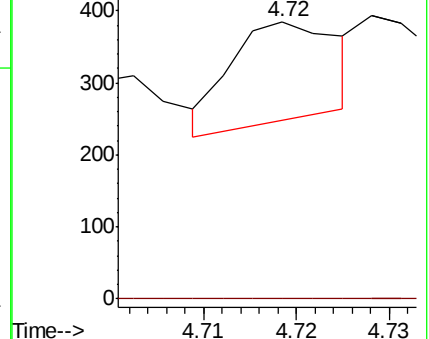
59 100

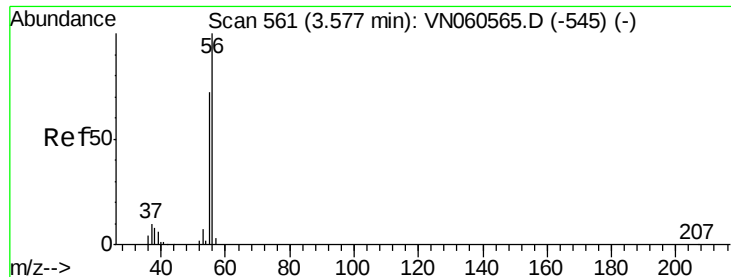
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#13

Acrolein

Concen: 4.080 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.01 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

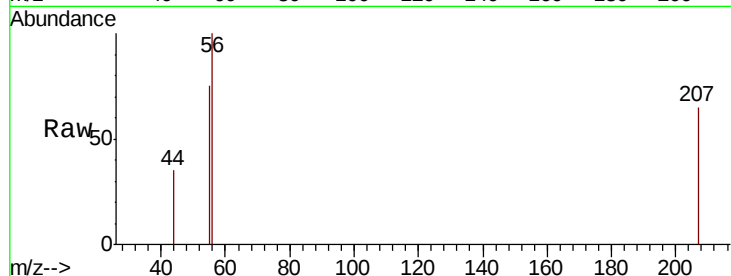
ClientSampled :

Tot Ion: 56 Resp: 1802

Ion Ratio Lower Upper

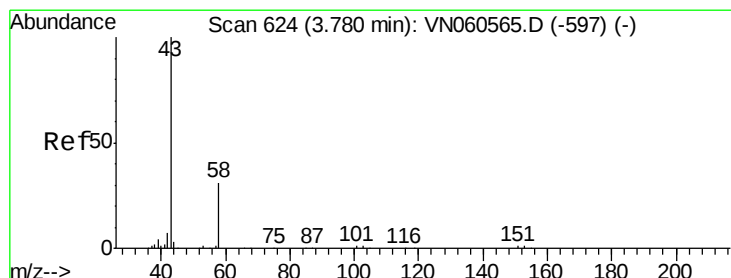
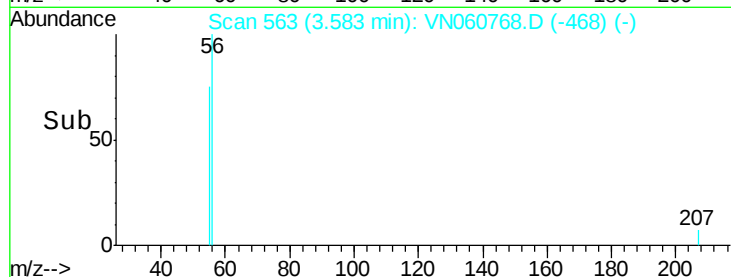
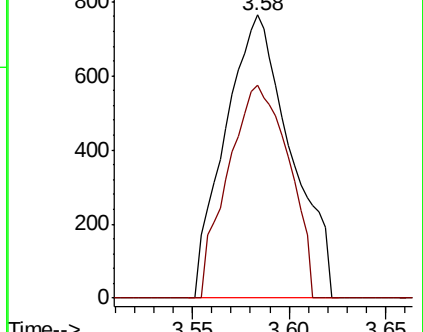
56 100

55 69.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN060768.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060768.D (-545) (-)



#16

Acetone

Concen: 28.923 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060768.D

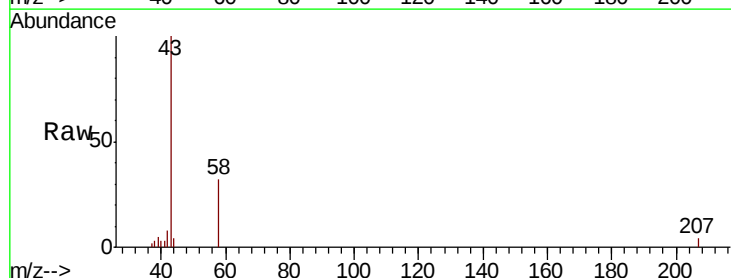
Acq: 30 Mar 2020 14:19

Tgt Ion: 43 Resp: 27761

Ion Ratio Lower Upper

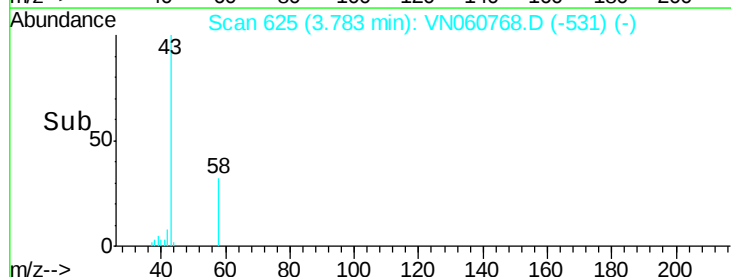
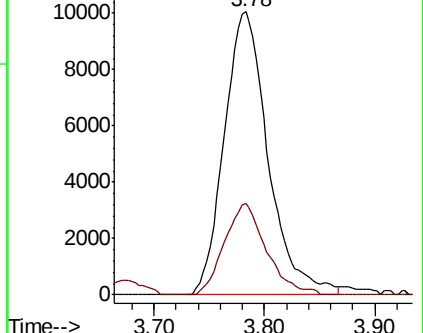
43 100

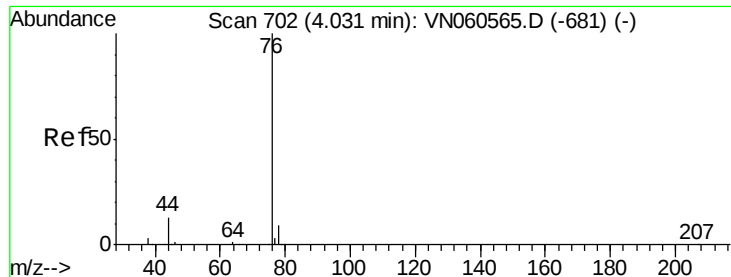
58 32.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060768.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060768.D (-597) (-)





#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

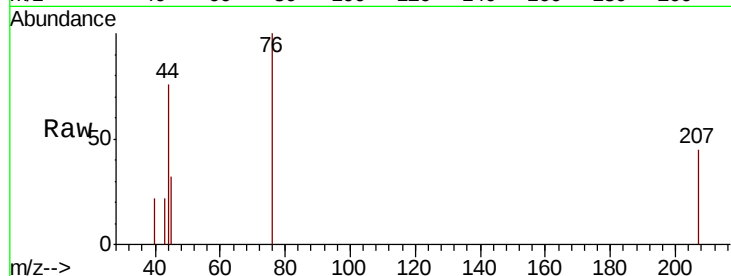
ClientSampleId :

Tot Ion: 76 Resp: 1607

Ion Ratio Lower Upper

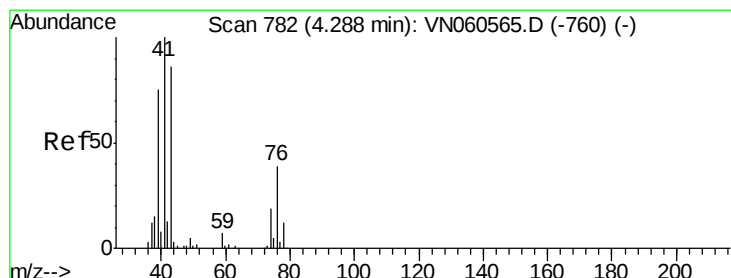
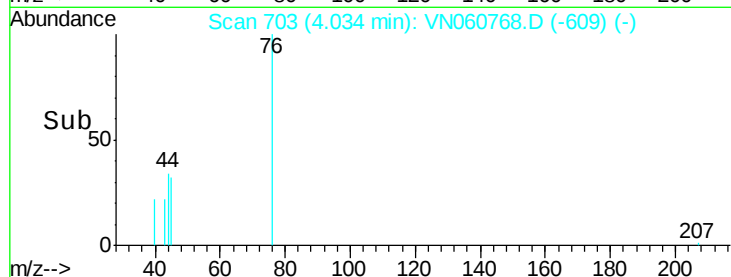
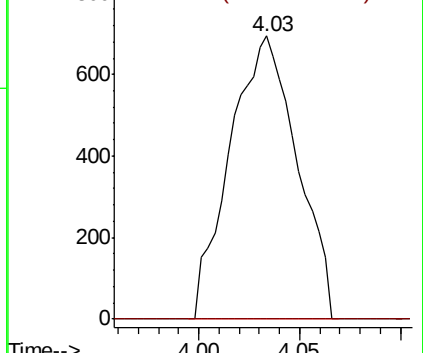
76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN060768.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060768.D (-681) (-)



#18

Methyl Acetate

Concen: 1.015 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060768.D

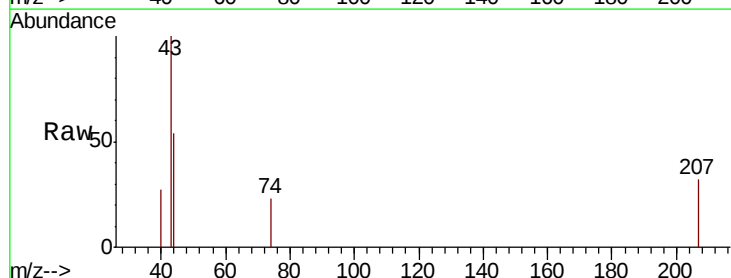
Acq: 30 Mar 2020 14:19

Tgt Ion: 43 Resp: 2741

Ion Ratio Lower Upper

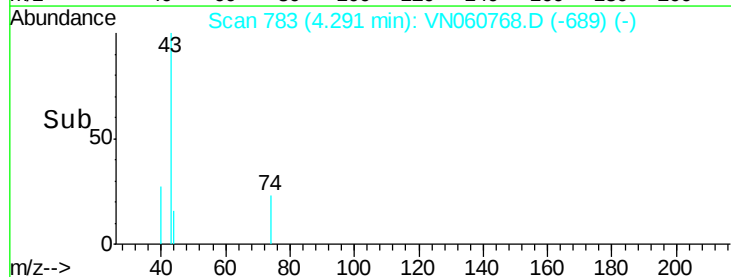
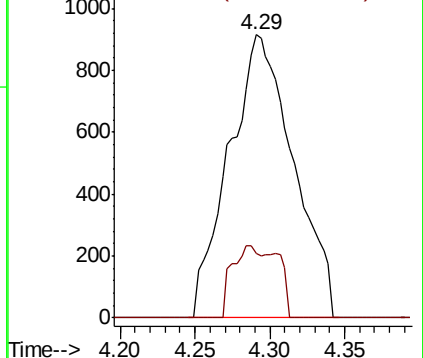
43 100

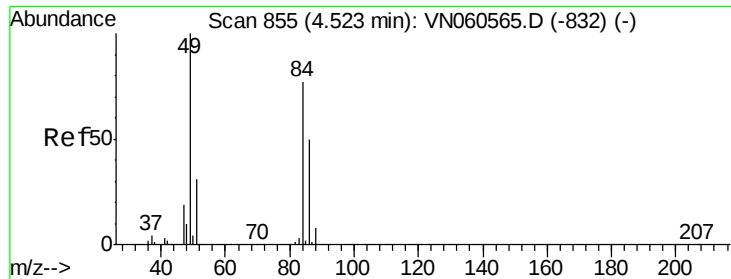
74 11.2 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060768.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060768.D (-689) (-)

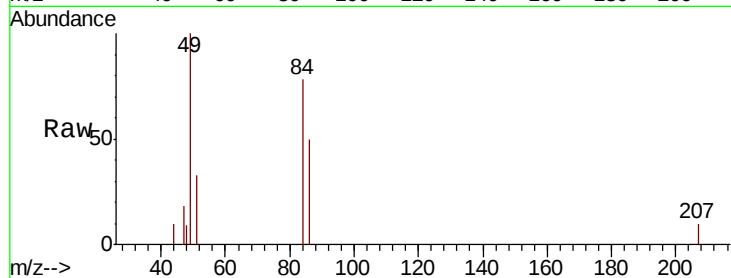




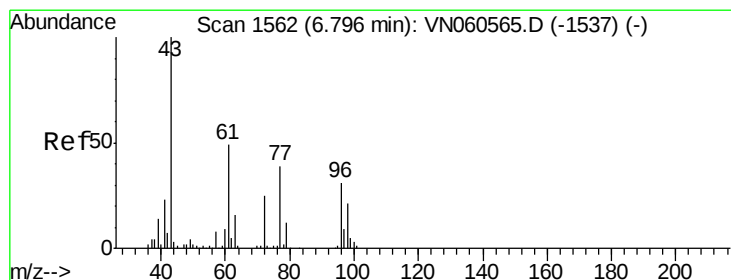
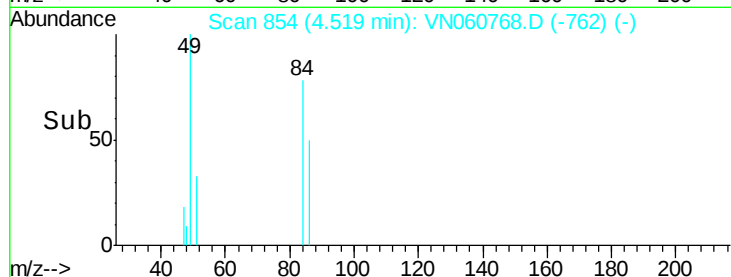
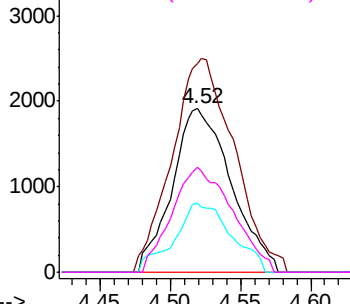
#20
Methylene Chloride
Concen: 2.370 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	5596
Ion	Ratio	Lower	Upper
84	100		
49	127.8	103.3	154.9
51	42.1	31.6	47.4
86	63.9	52.0	78.0

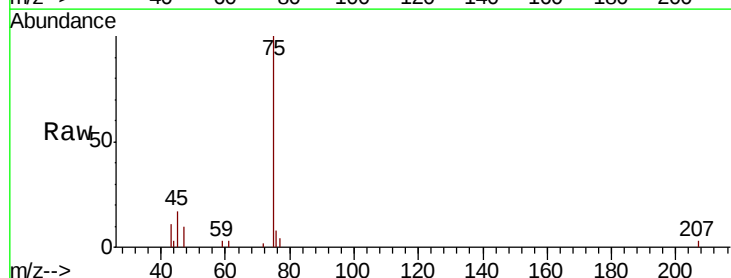


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

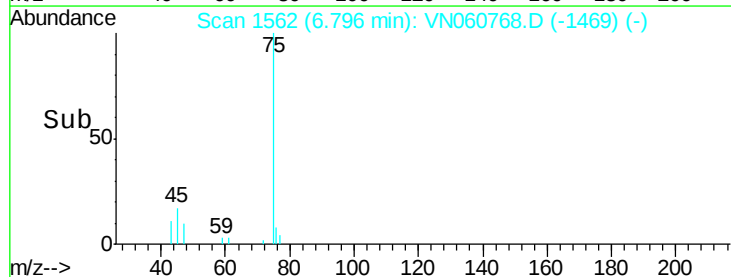
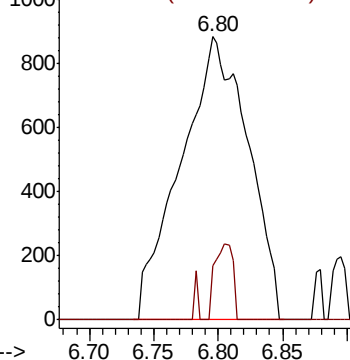


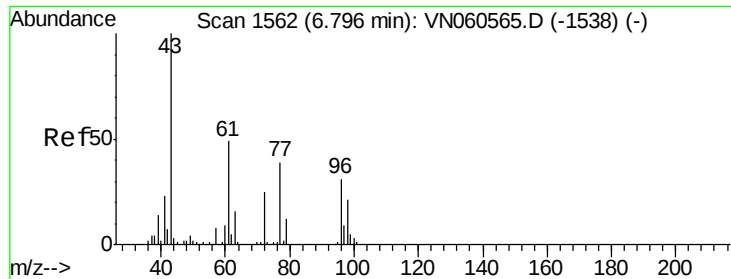
#25
2-Butanone
Concen: 2.078 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion:	43	Resp:	3228
Ion	Ratio	Lower	Upper
43	100		
72	19.1	20.4	30.6#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#26

2,2-Dichloropropane

Concen: 0.237 ug/l

RT: 6.76 min Scan# 1552

Delta R.T. -0.03 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

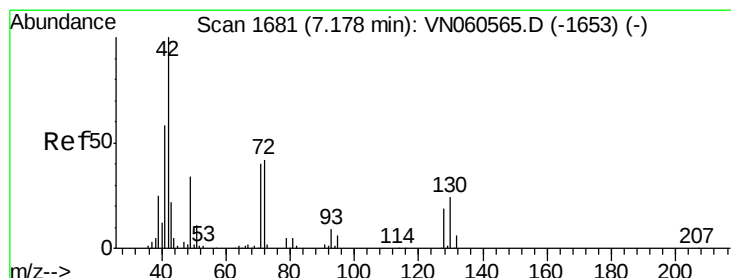
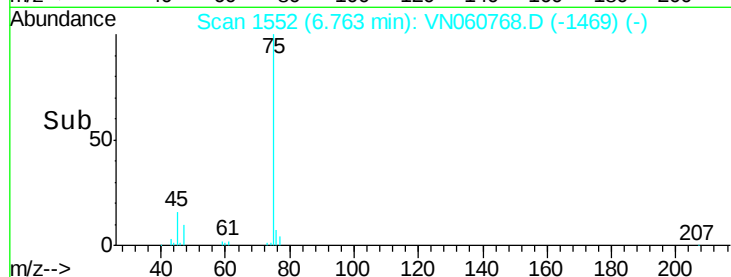
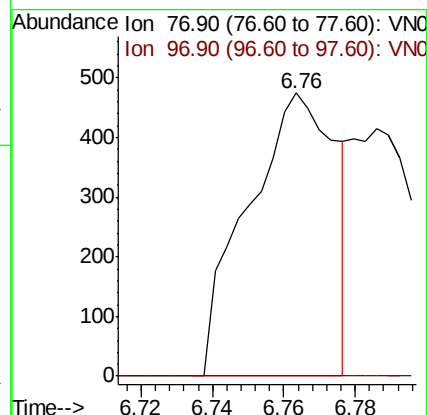
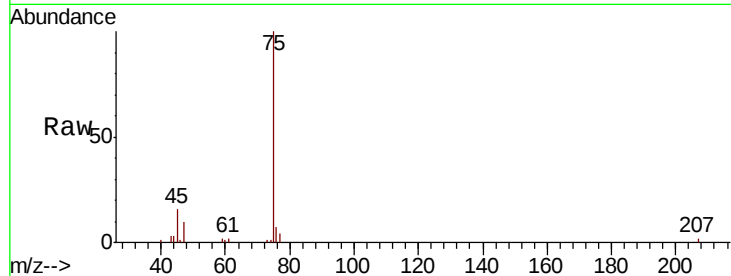
ClientSampleId :

Tot Ion: 77 Resp: 808

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

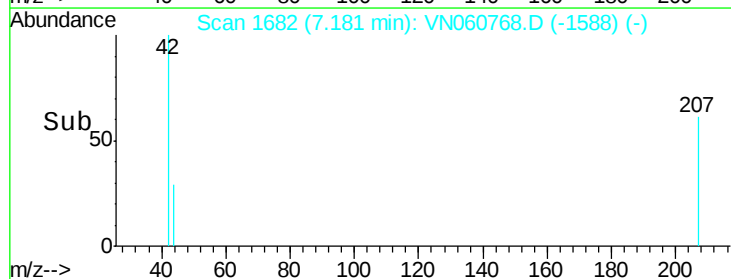
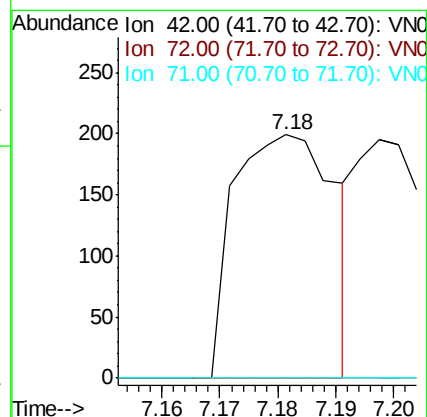
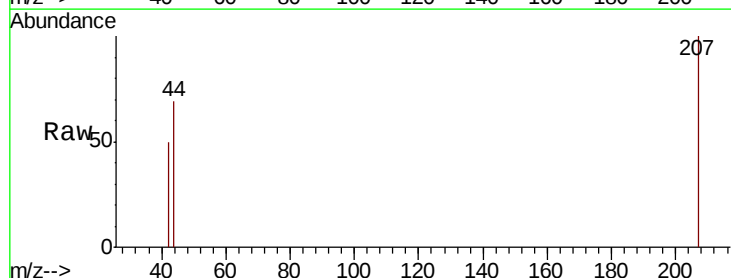
Tgt Ion: 42 Resp: 240

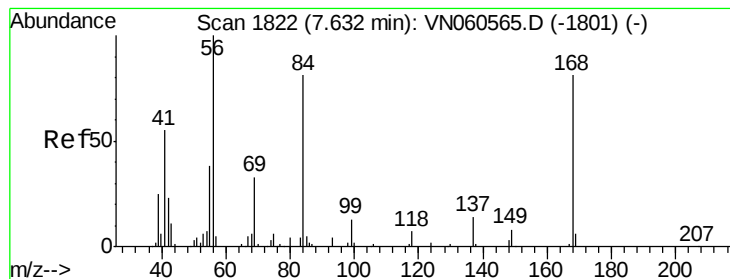
Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 0.0 31.1 46.7#





#31

Cyclohexane

Concen: 0.954 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :
MSVOA_N
ClientSampled :

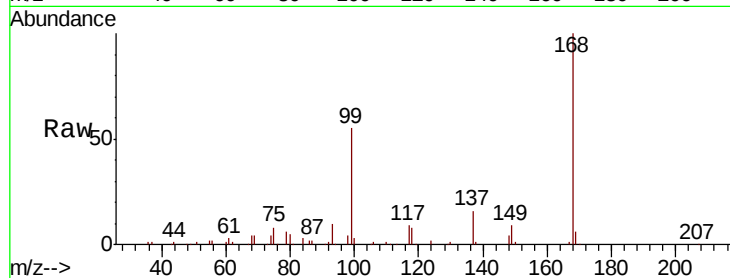
Tot Ion: 56 Resp: 4164

Ion Ratio Lower Upper

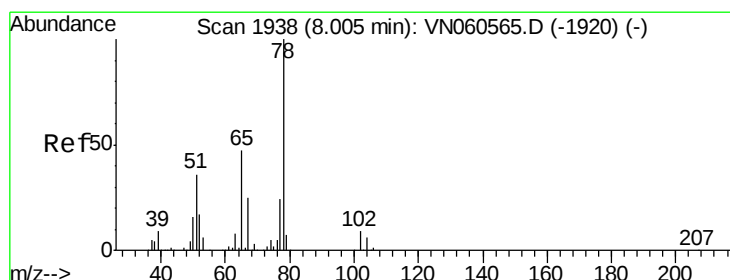
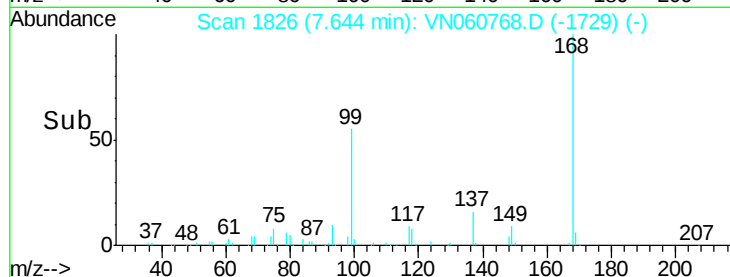
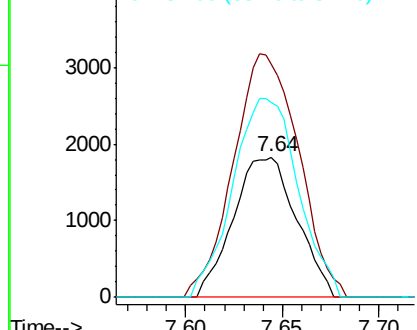
56 100

69 157.7 26.6 40.0#

84 138.7 64.3 96.5#



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



#33

1,2-Dichloroethane-d4

Concen: 47.516 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060768.D

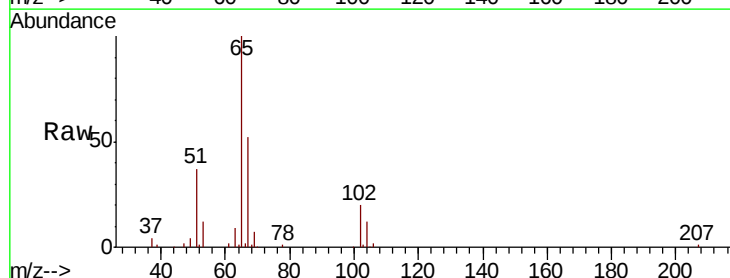
Acq: 30 Mar 2020 14:19

Tgt Ion: 65 Resp: 128751

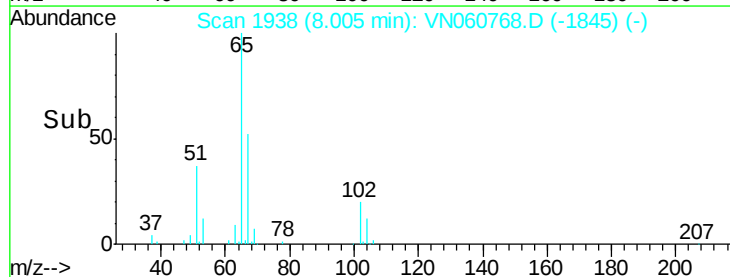
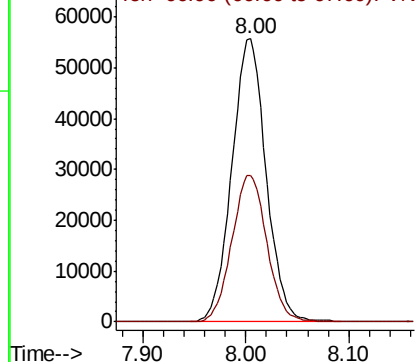
Ion Ratio Lower Upper

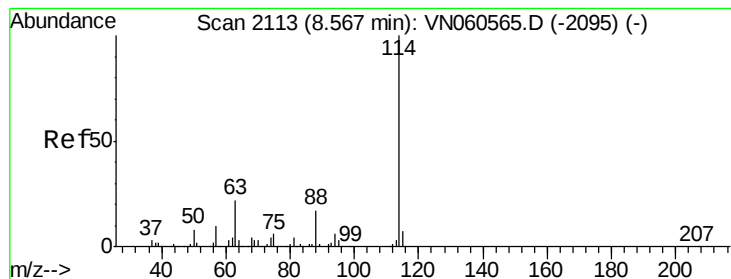
65 100

67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

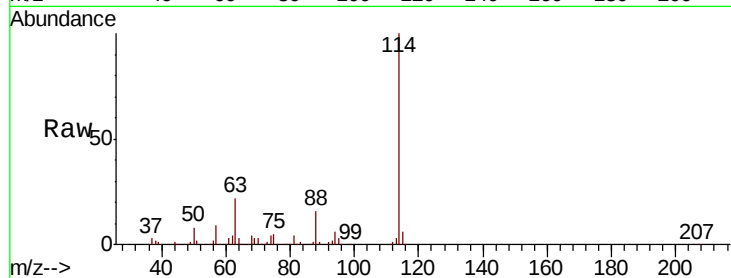
Tot Ion:114 Resp: 329065

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

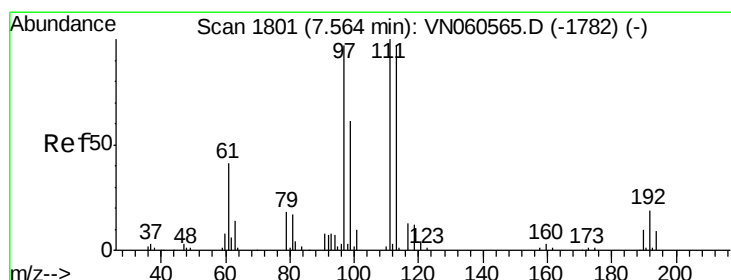
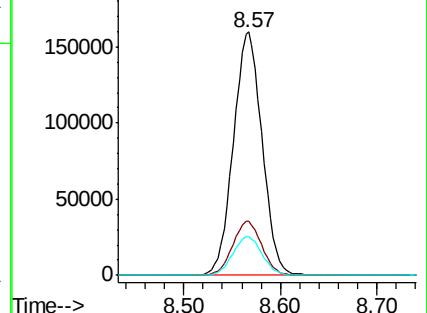
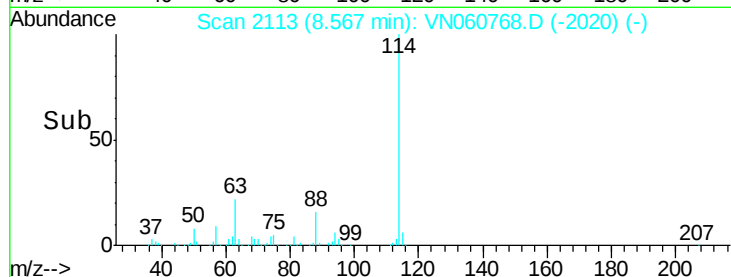
88 15.9 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.674 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

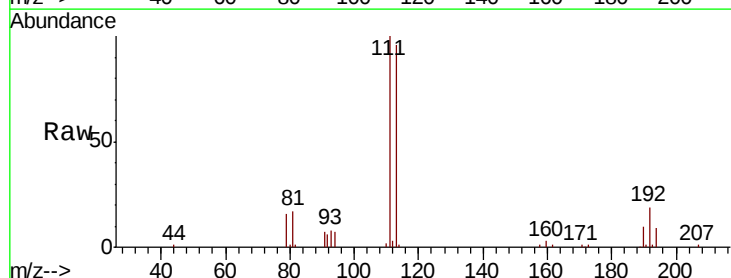
Tgt Ion:113 Resp: 96849

Ion Ratio Lower Upper

113 100

111 104.4 82.9 124.3

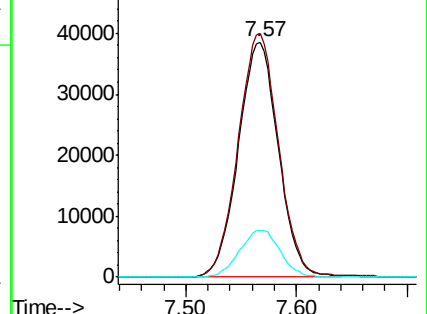
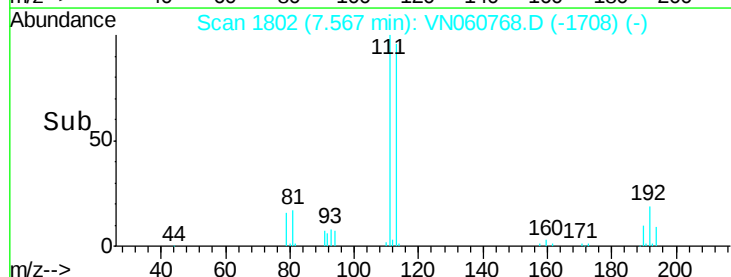
192 20.2 15.8 23.8

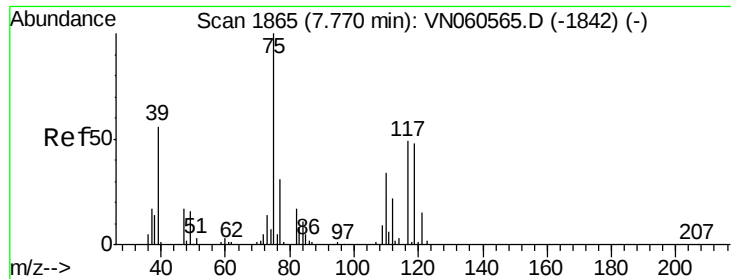


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampled :

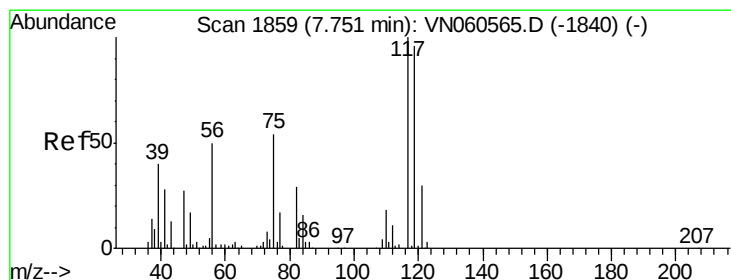
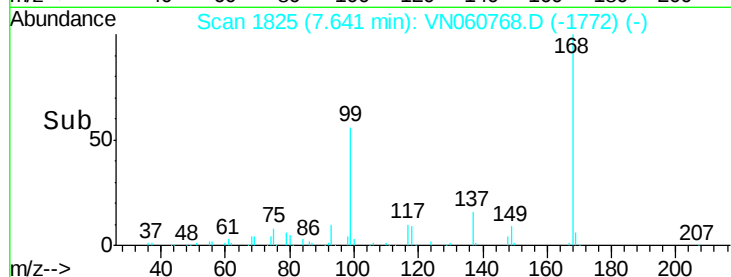
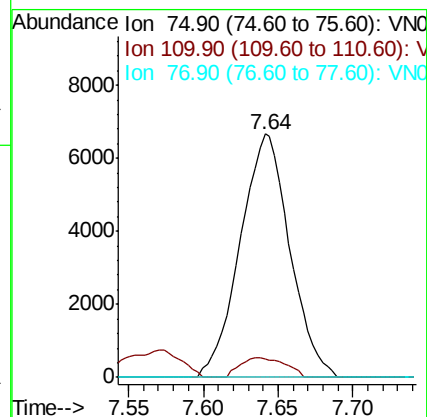
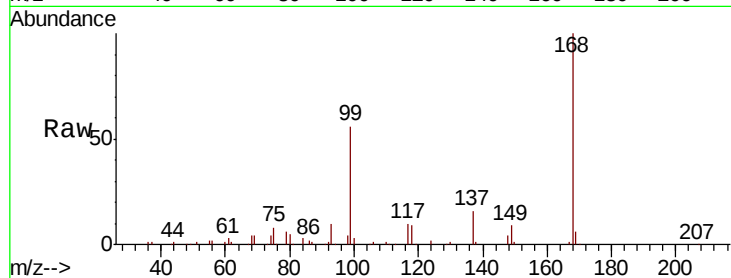
Tot Ion: 75 Resp: 15368

Ion Ratio Lower Upper

75 100

110 7.4 16.9 50.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.649 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

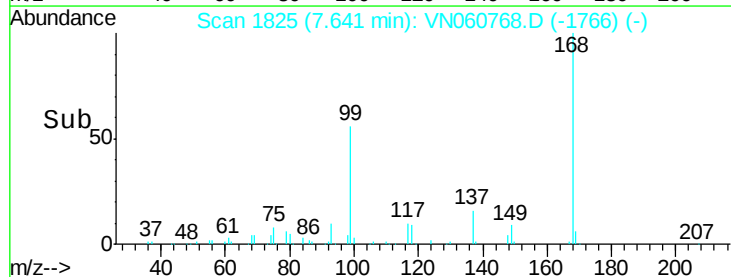
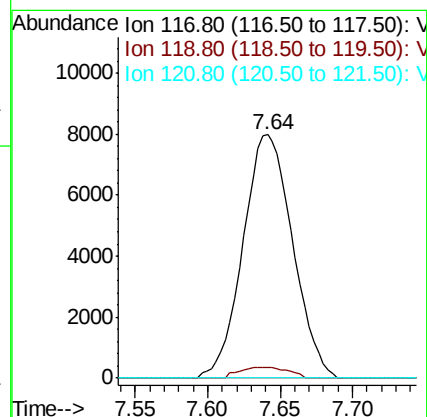
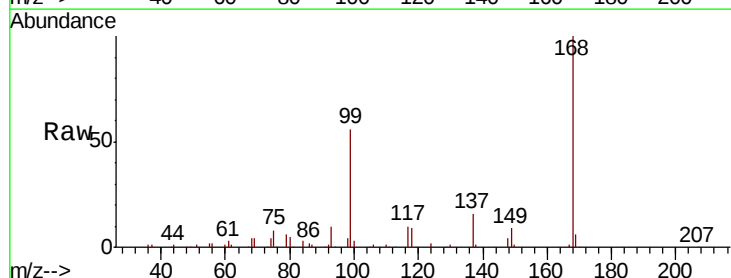
Tgt Ion: 117 Resp: 18989

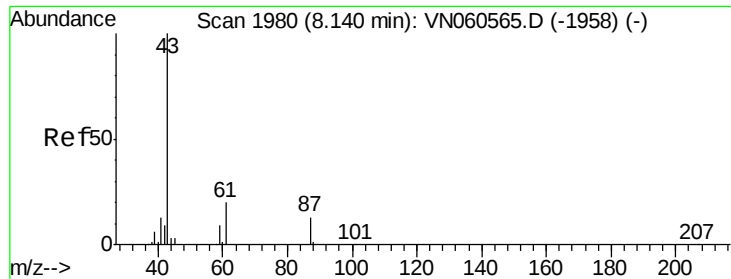
Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

121 0.0 23.7 35.5#

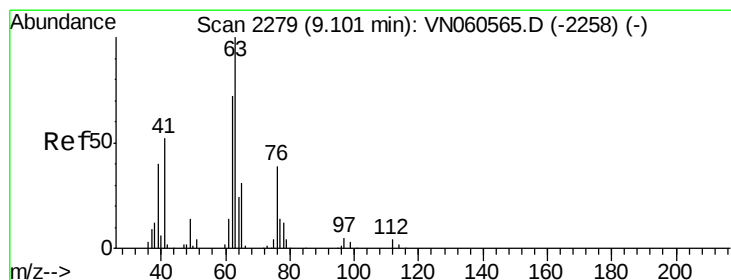
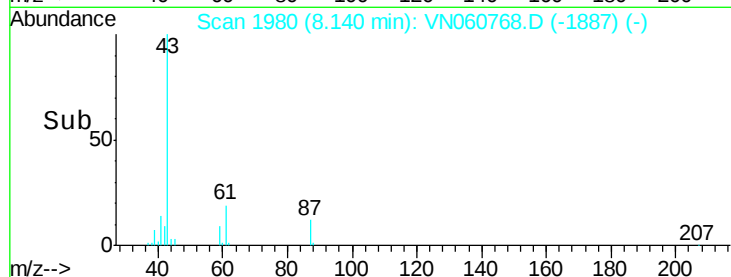
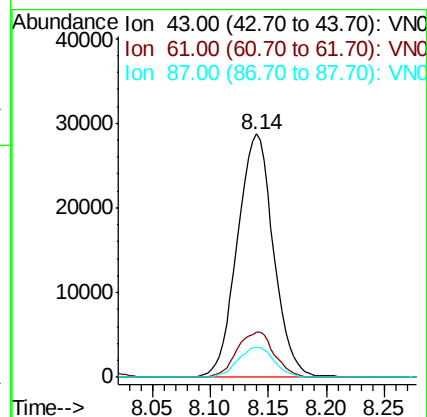
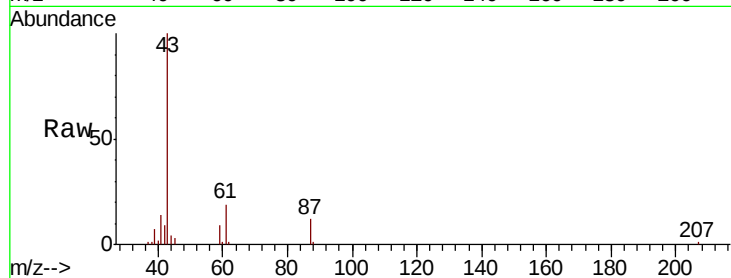




#43
Isopropyl Acetate
Concen: 10.958 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

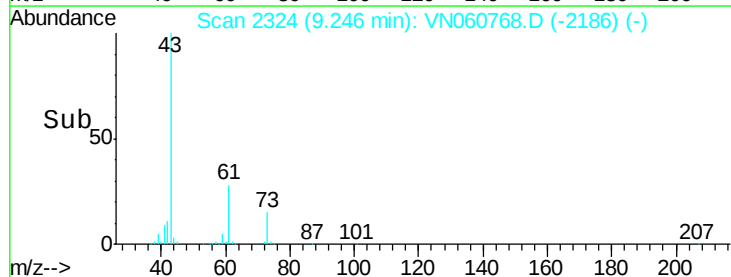
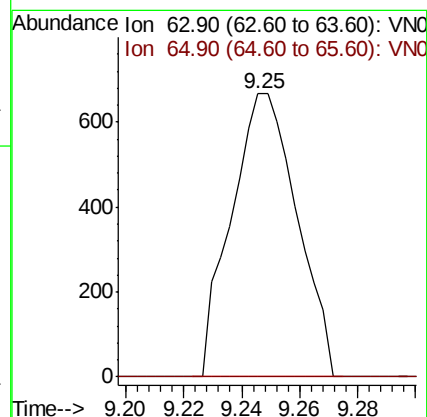
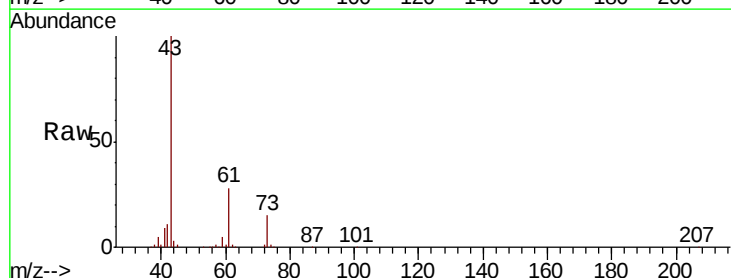
Instrument :
MSVOA_N
ClientSampleId :

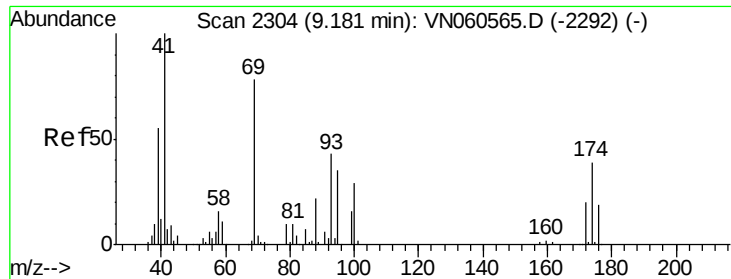
Tot Ion: 43 Resp: 62218
Ion Ratio Lower Upper
43 100
61 19.2 20.7 31.1#
87 12.3 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.413 ug/l
RT: 9.25 min Scan# 2324
Delta R.T. 0.14 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion: 63 Resp: 1049
Ion Ratio Lower Upper
63 100
65 0.0 25.4 38.0#

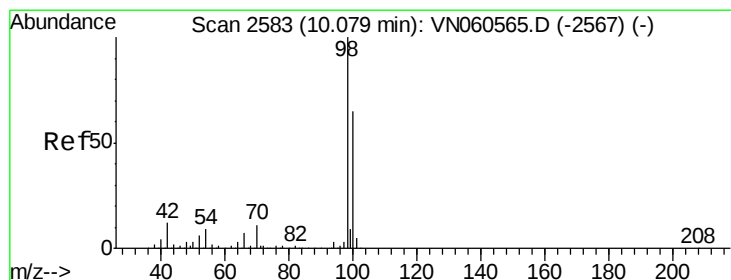
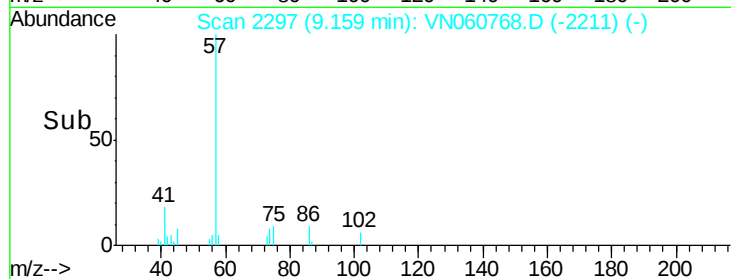
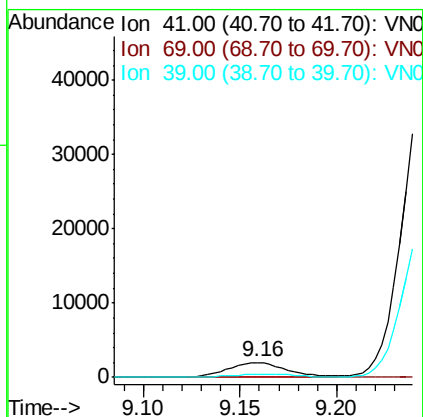
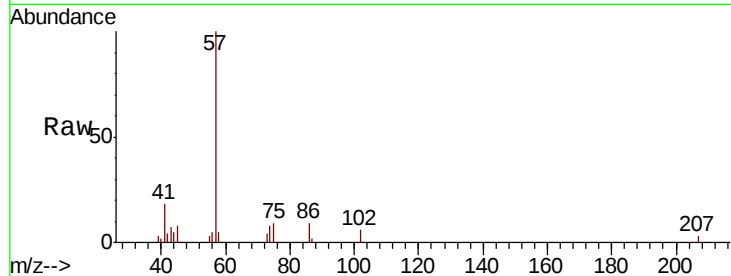




#48
Methvl methacrylate
Concen: 1.669 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

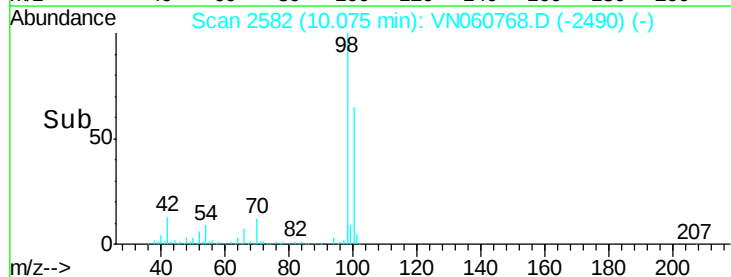
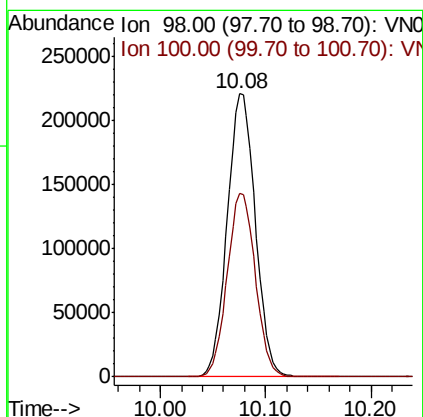
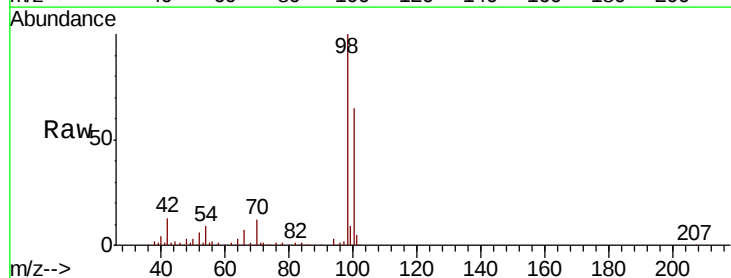
Instrument :
MSVOA_N
ClientSampleId :

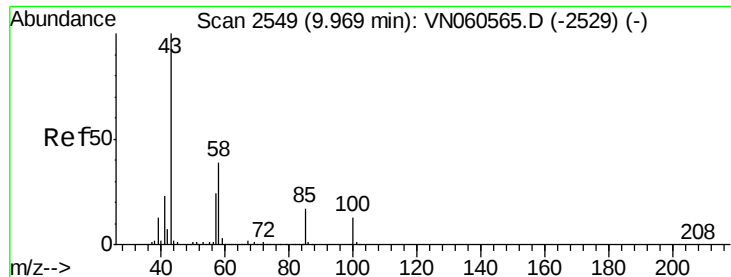
Tot Ion: 41 Resp: 4219
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.158 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion: 98 Resp: 407654
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.928 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

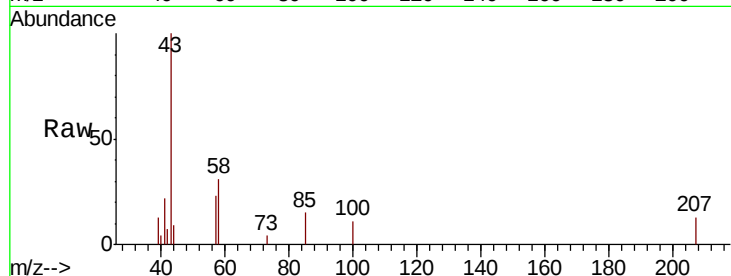
ClientSampled :

Tot Ion: 43 Resp: 6228

Ion Ratio Lower Upper

43 100

58 39.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060768.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060768.D (-2456) (-)

12000

10000

8000

6000

4000

2000

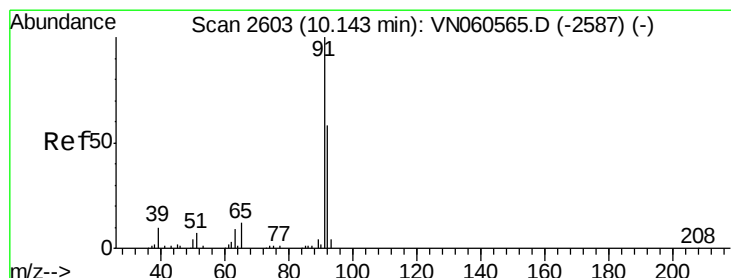
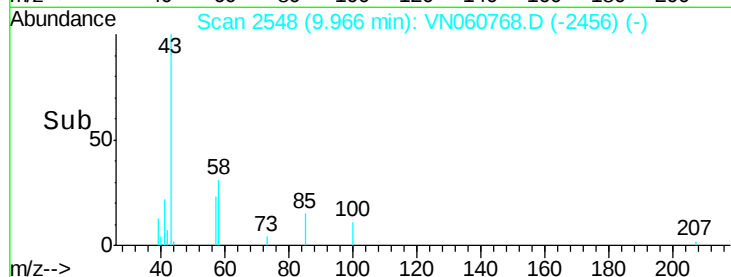
0

9.95

9.97

10.00

Time-->



#52

Toluene

Concen: 21.233 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060768.D

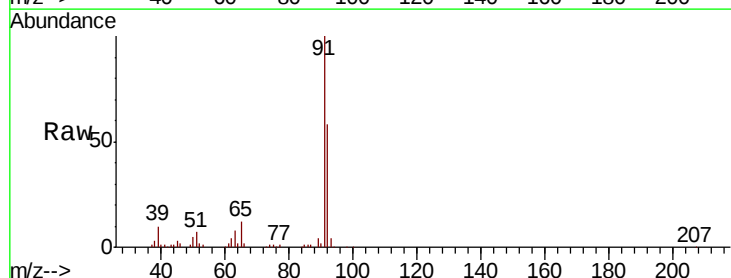
Acq: 30 Mar 2020 14:19

Tgt Ion: 92 Resp: 123347

Ion Ratio Lower Upper

92 100

91 173.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060768.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060768.D (-2510) (-)

100000

50000

0

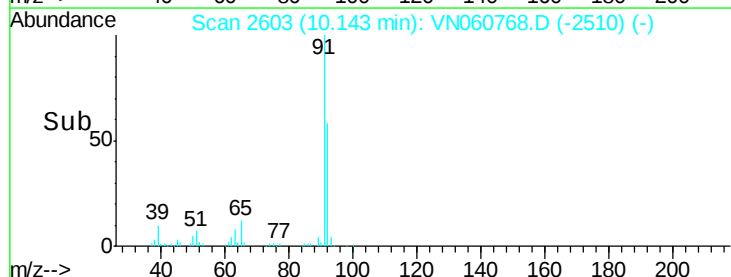
10.05

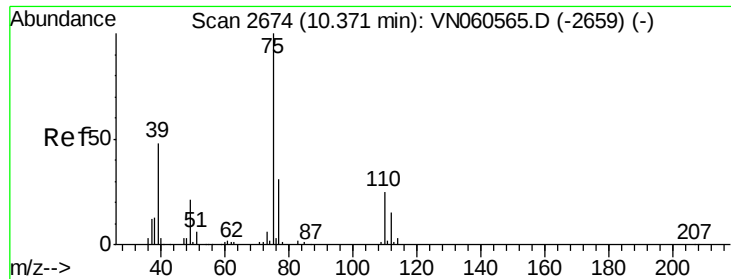
10.10

10.14

10.20

Time-->

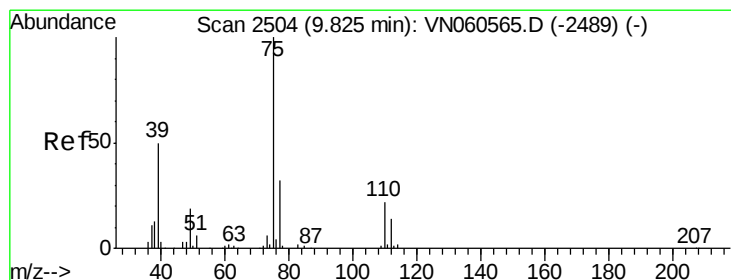
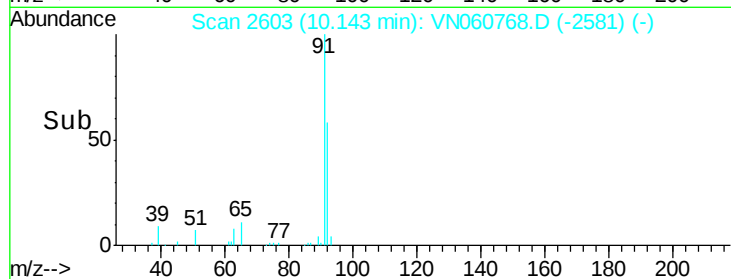
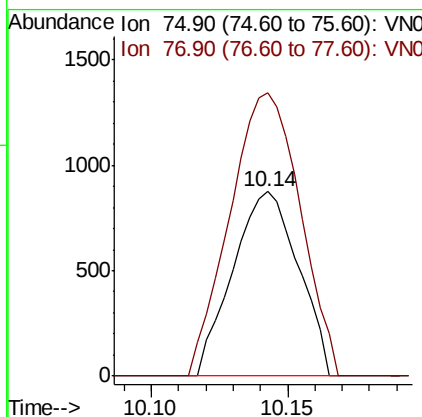
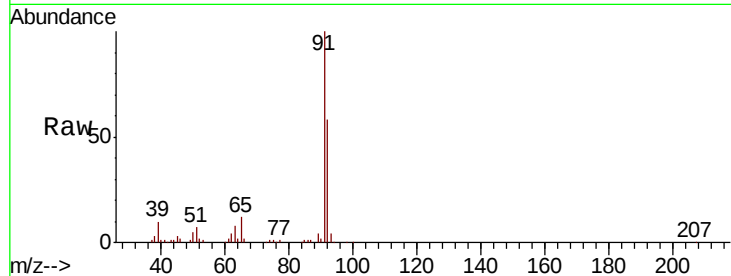




#53
t-1,3-Dichloropropene
Concen: 0.398 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.23 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

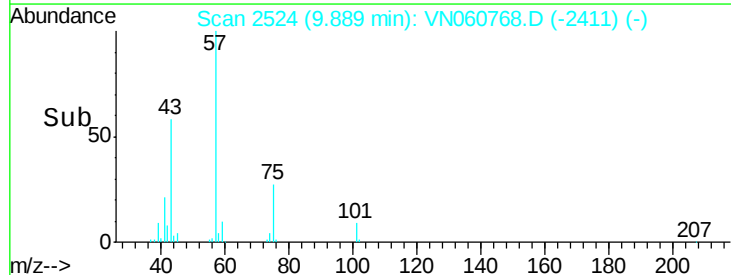
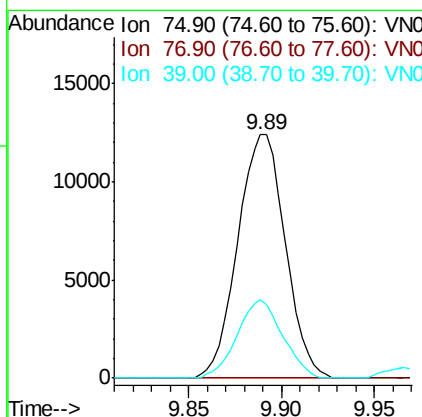
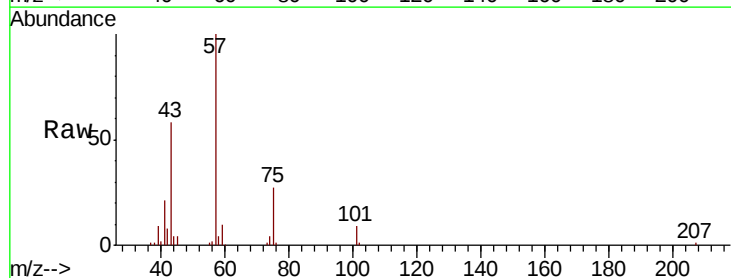
Instrument :
MSVOA_N
ClientSampled :

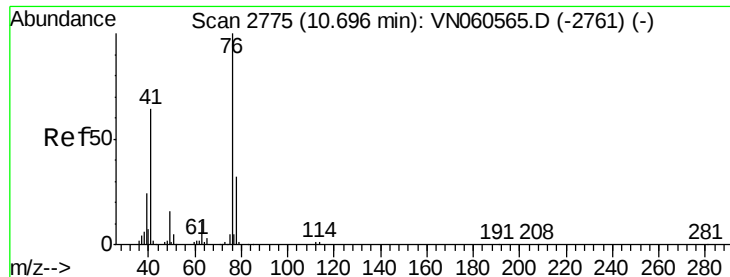
Tot Ion: 75 Resp: 1458
Ion Ratio Lower Upper
75 100
77 153.4 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 5.481 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion: 75 Resp: 22023
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 32.2 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 0.809 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

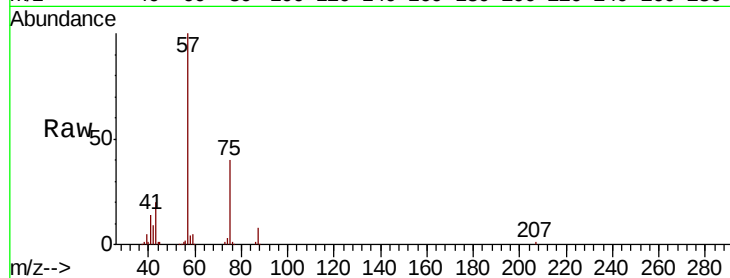
ClientSampled :

Tot Ion: 76 Resp: 3139

Ion Ratio Lower Upper

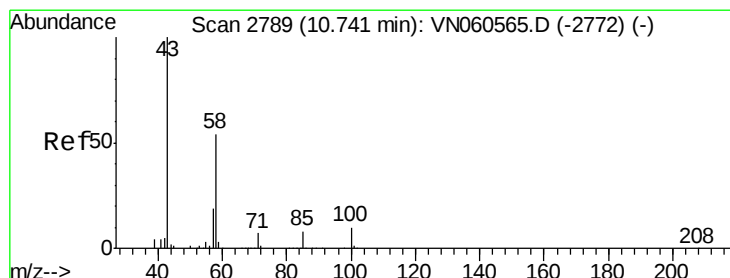
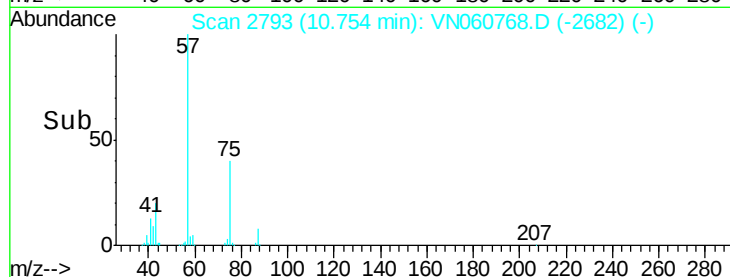
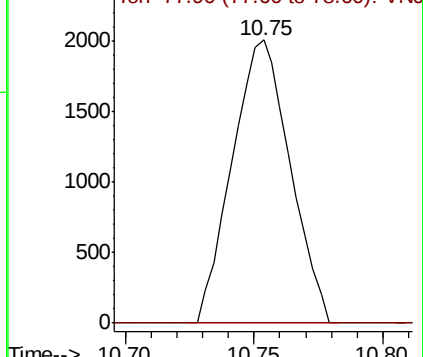
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 20.528 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060768.D

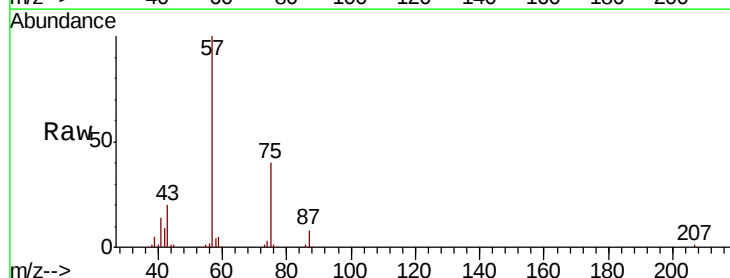
Acq: 30 Mar 2020 14:19

Tgt Ion: 43 Resp: 47779

Ion Ratio Lower Upper

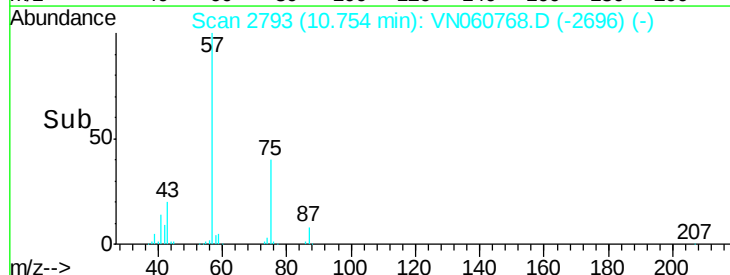
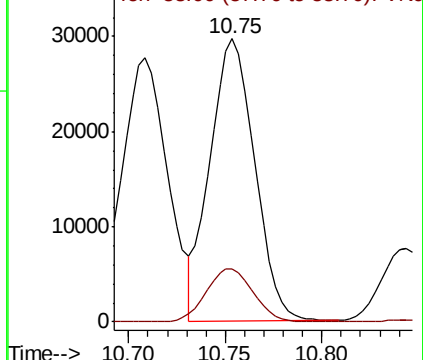
43 100

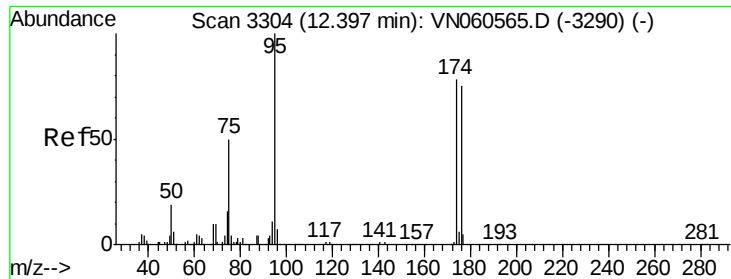
58 19.7 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.887 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

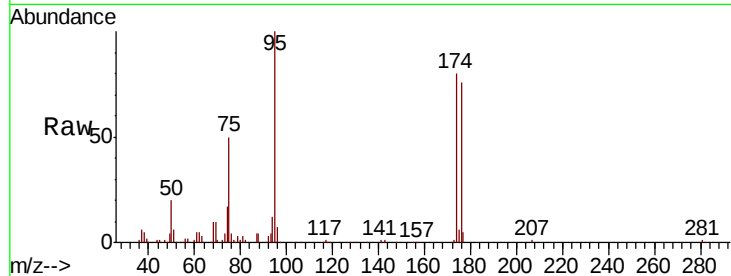
Tot Ion: 95 Resp: 154548

Ion Ratio Lower Upper

95 100

174 78.7 0.0 157.6

176 76.2 0.0 150.6

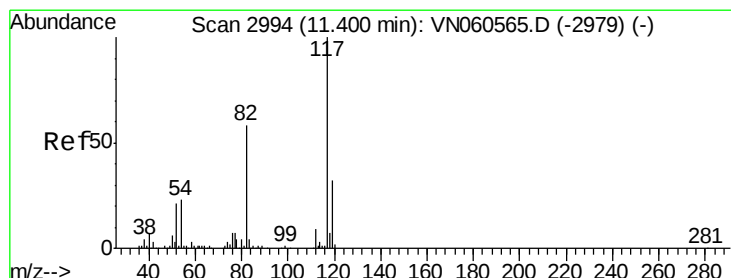
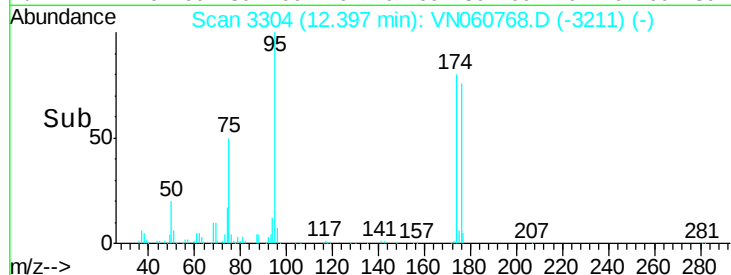


Abundance Ion 94.90 (94.60 to 95.60): VN060768.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060768.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060768.D (-3290) (-)

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

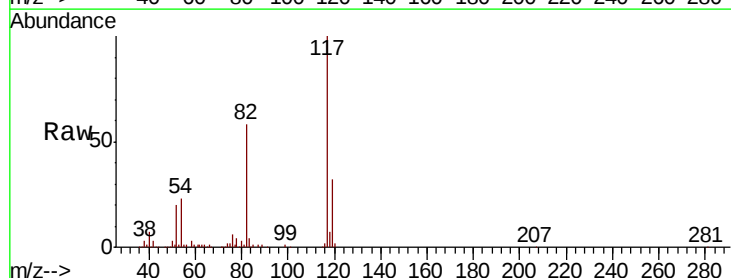
Tgt Ion: 117 Resp: 311817

Ion Ratio Lower Upper

117 100

82 57.9 46.7 70.1

119 32.2 25.5 38.3

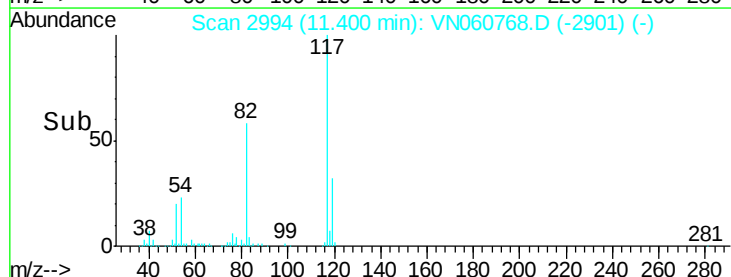


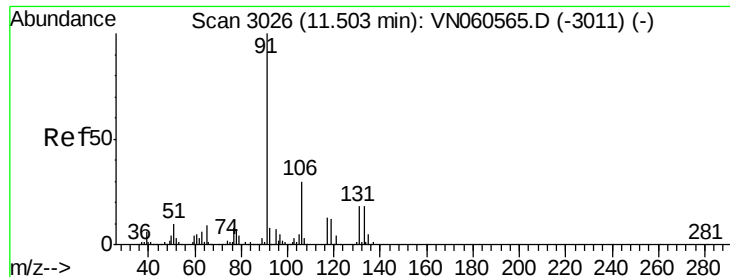
Abundance Ion 116.90 (116.60 to 117.60): VN060768.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060768.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060768.D (-2979) (-)

Time--> 11.30 11.40 11.50

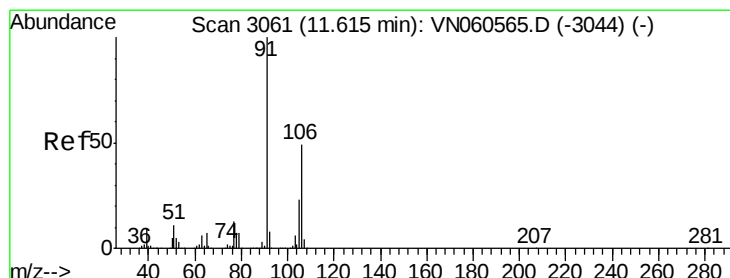
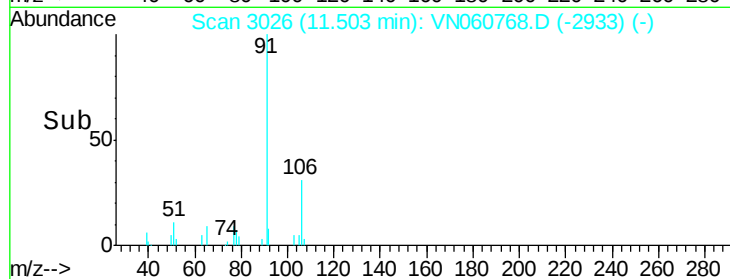
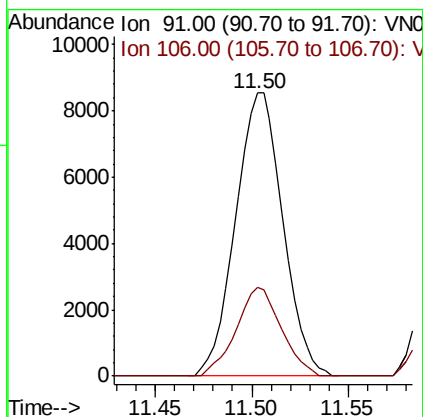
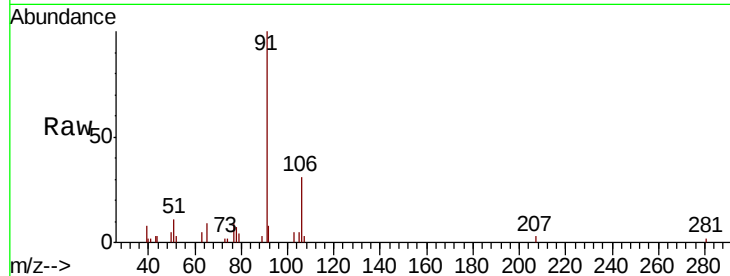




#67
Ethyl Benzene
Concen: 1.263 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

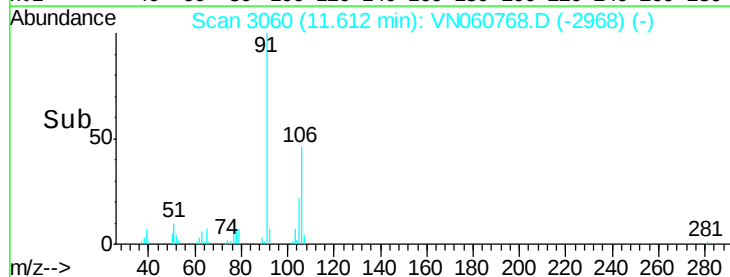
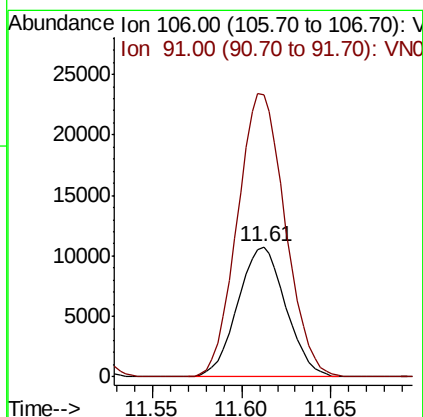
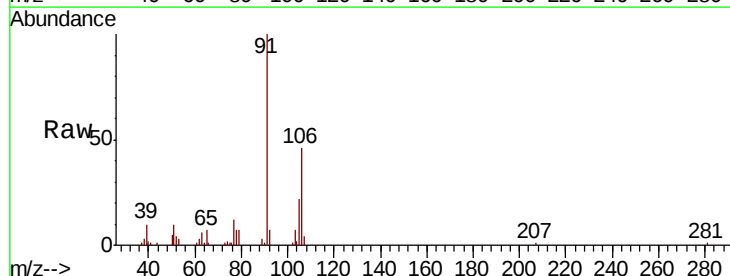
Instrument :
MSVOA_N
ClientSampleId :

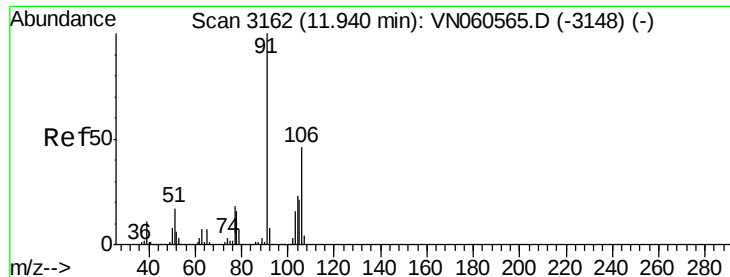
Tot Ion: 91 Resp: 14517
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.2



#68
m/p-Xylenes
Concen: 4.734 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion: 106 Resp: 20223
Ion Ratio Lower Upper
106 100
91 216.7 165.0 247.4

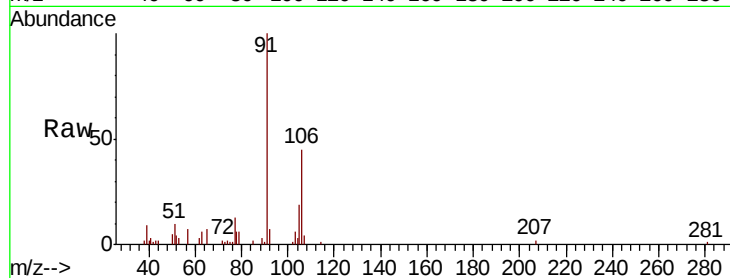




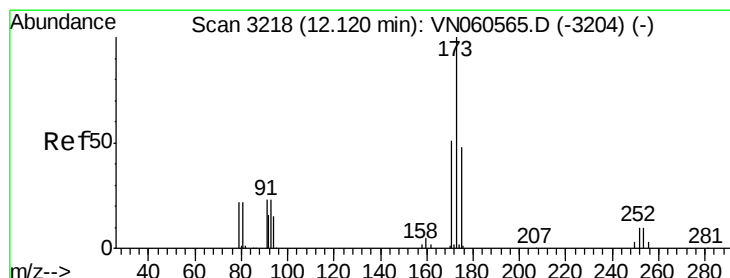
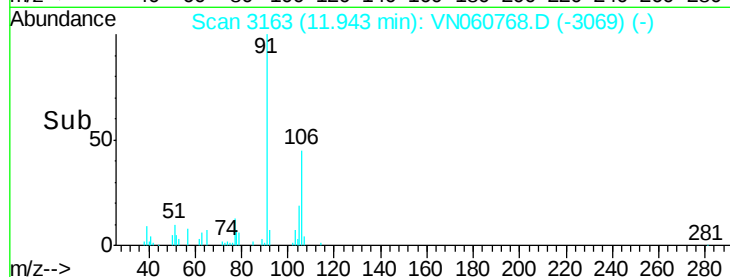
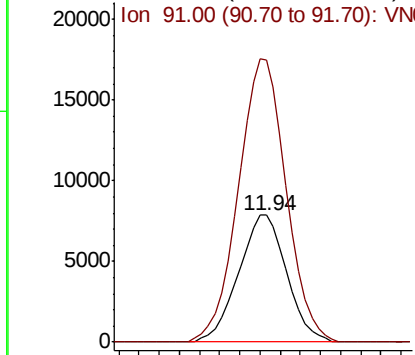
#69
o-Xylene
Concen: 3.207 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 13077
Ion Ratio Lower Upper
106 100
91 221.7 109.5 328.4

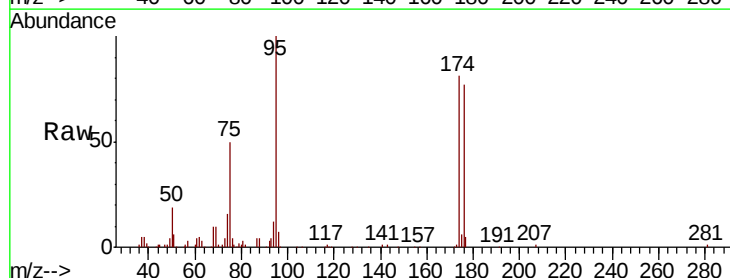


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

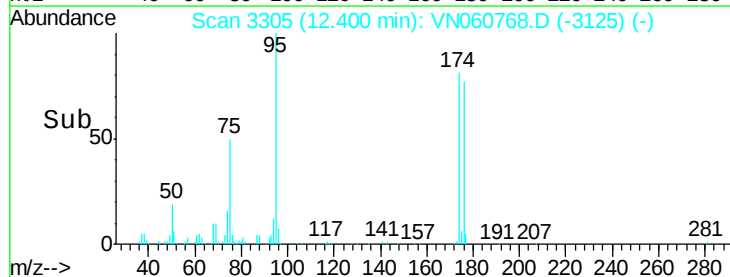
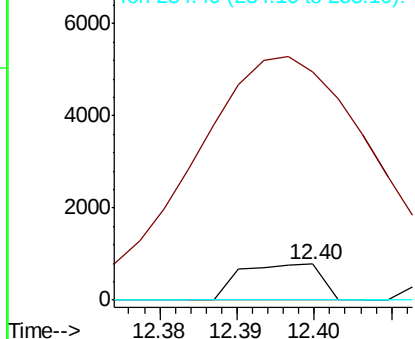


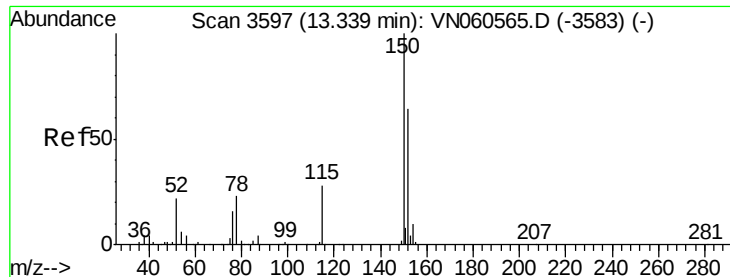
#71
Bromoform
Concen: 1.973 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion:173 Resp: 564
Ion Ratio Lower Upper
173 100
175 1347.5 24.1 72.4#
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



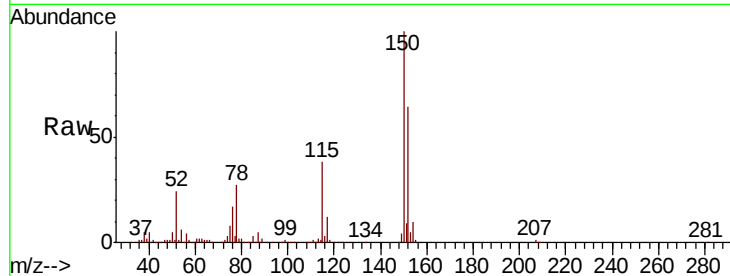


#72

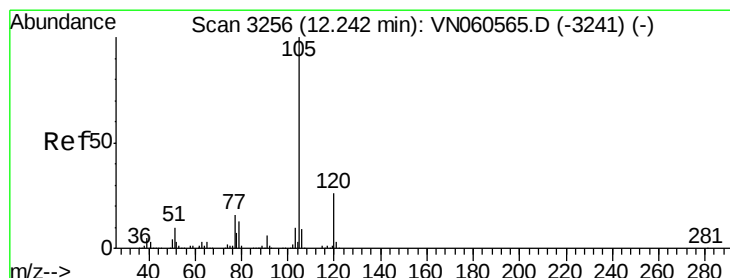
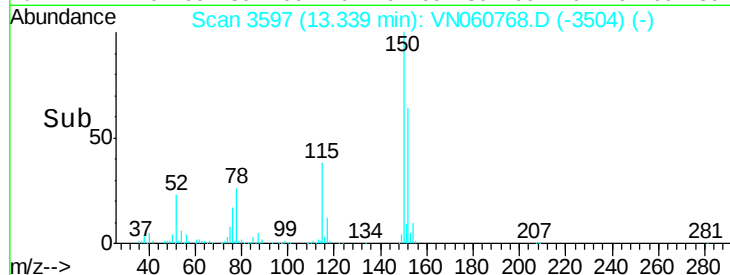
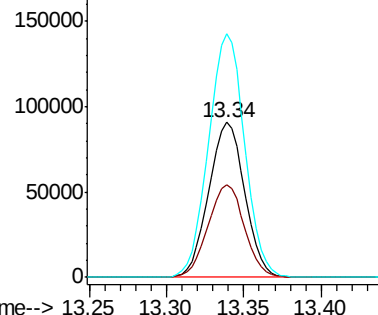
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.2	90.6
150	157.4	0.0	350.2



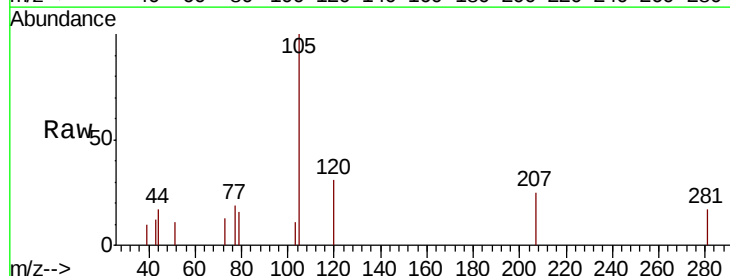
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



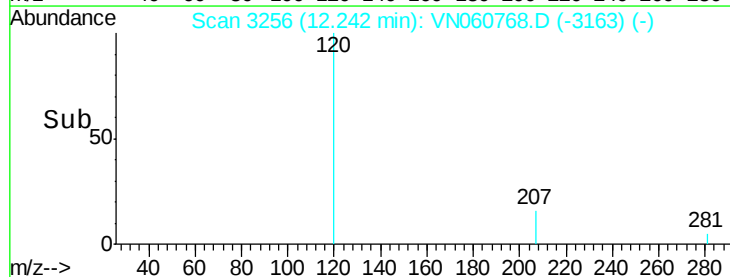
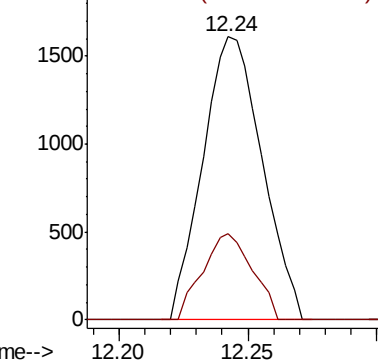
#73

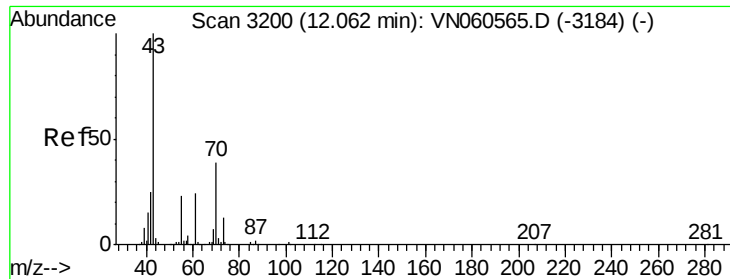
Isopropylbenzene
Concen: 0.234 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.568 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 2894

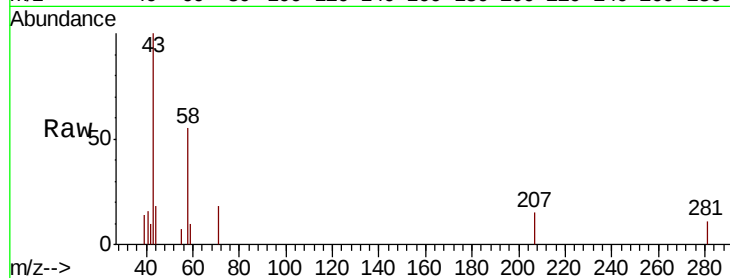
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 3.1 18.6 27.8#

61 0.0 18.9 28.3#

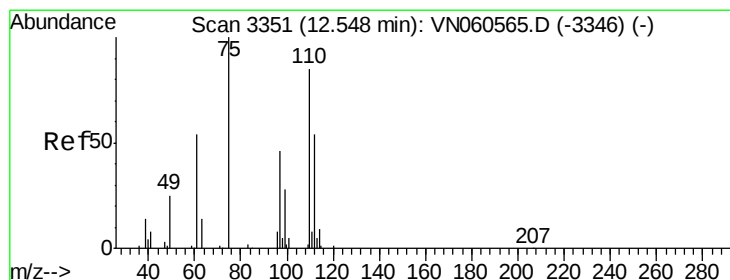
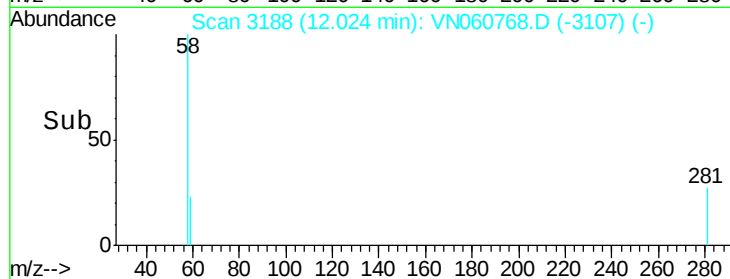
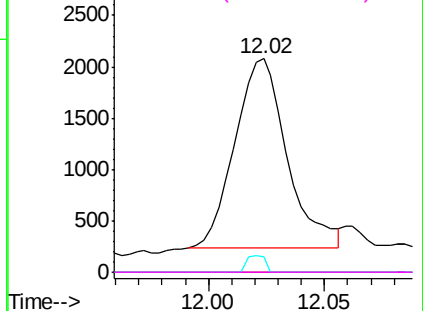


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 24.867 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060768.D

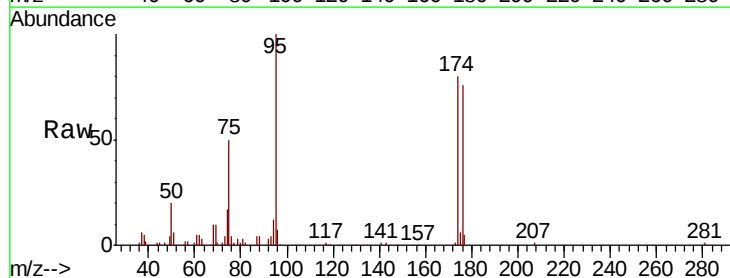
Acq: 30 Mar 2020 14:19

Tgt Ion: 75 Resp: 78825

Ion Ratio Lower Upper

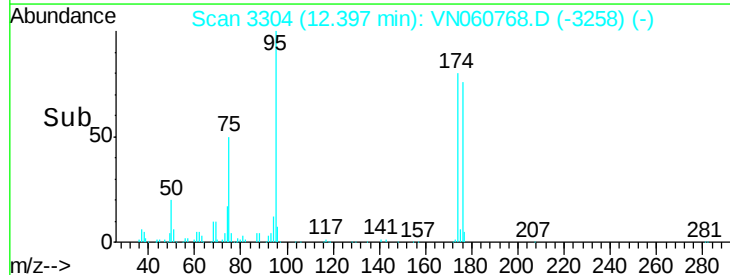
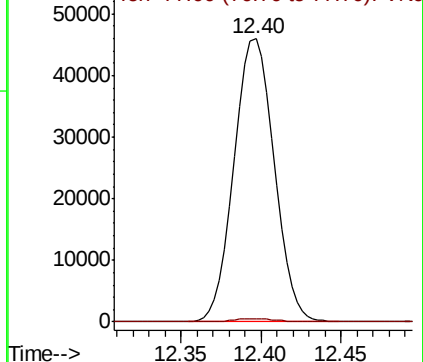
75 100

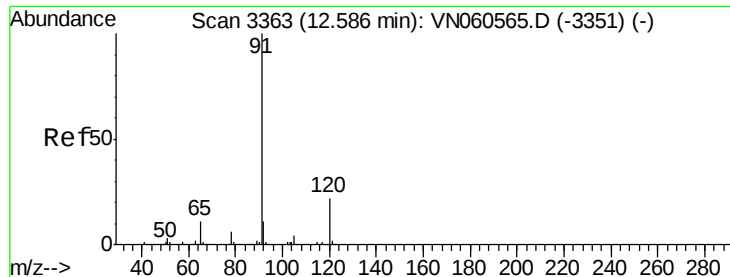
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.361 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

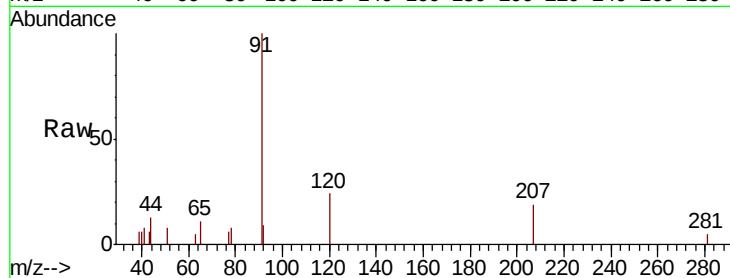
ClientSampled :

Tot Ion: 91 Resp: 4701

Ion Ratio Lower Upper

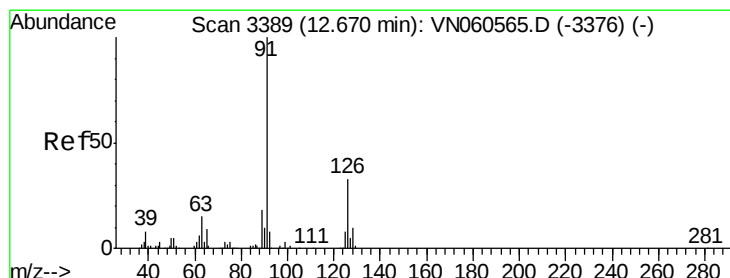
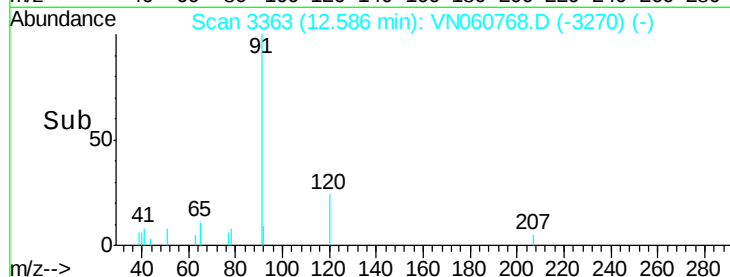
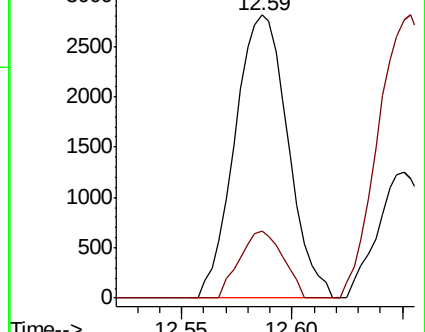
91 100

120 19.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN060768.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN060768.D (-3351) (-)



#79

2-Chlorotoluene

Concen: 0.356 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VN060768.D

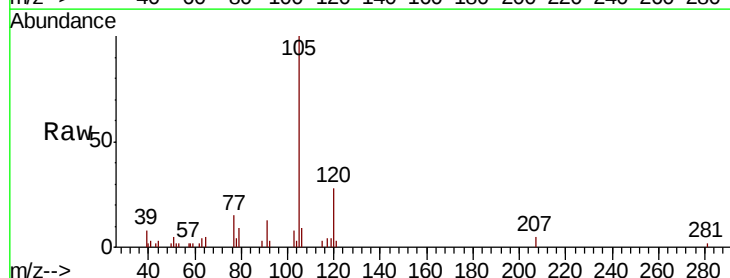
Acq: 30 Mar 2020 14:19

Tgt Ion: 91 Resp: 2772

Ion Ratio Lower Upper

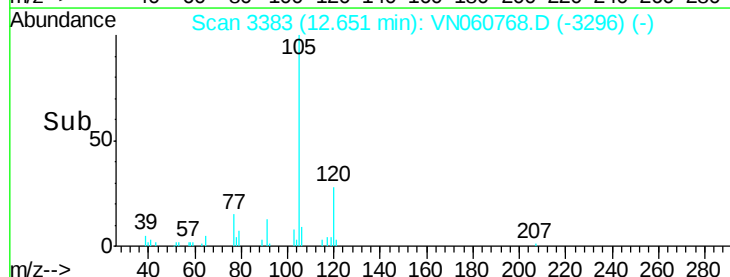
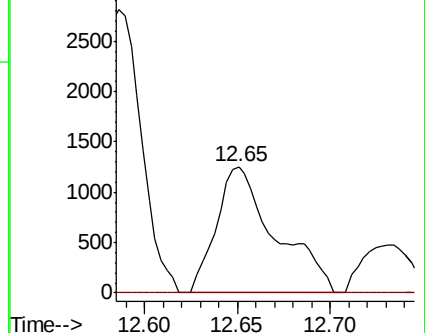
91 100

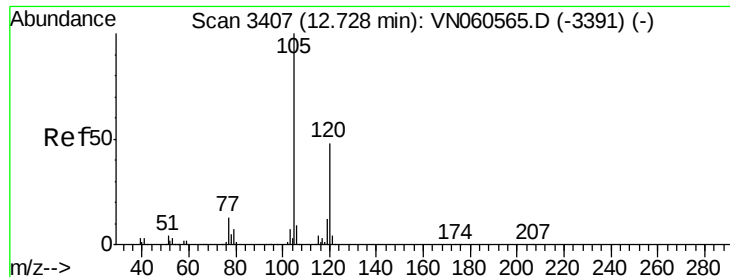
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN060768.D (-3389) (-)

Ion 125.90 (125.60 to 126.60): VN060768.D (-3389) (-)

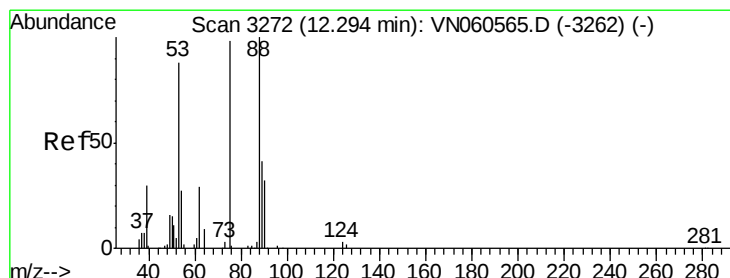
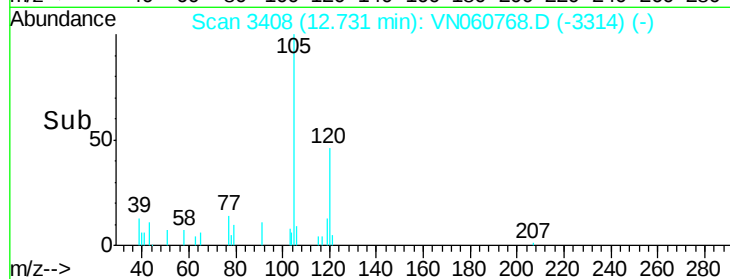
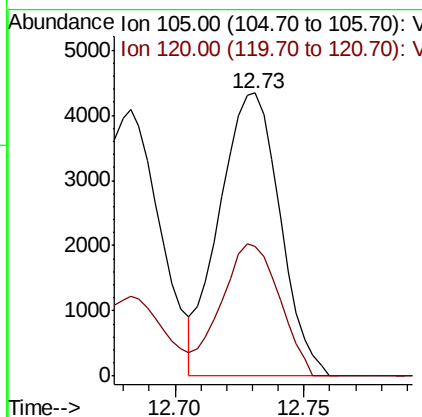
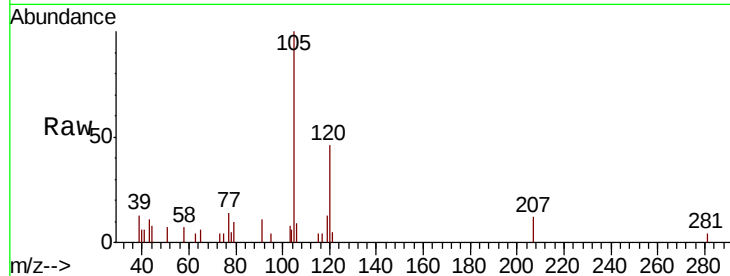




#80
 1,3,5-Trimethylbenzene
 Concen: 0.759 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060768.D
 Acq: 30 Mar 2020 14:19

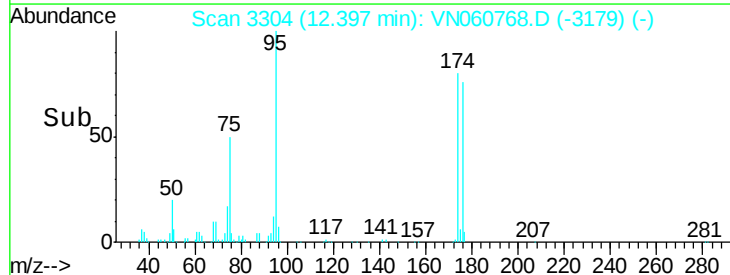
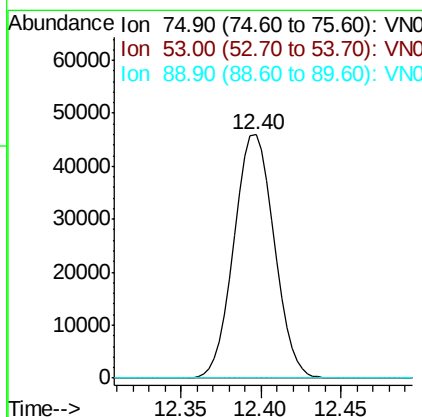
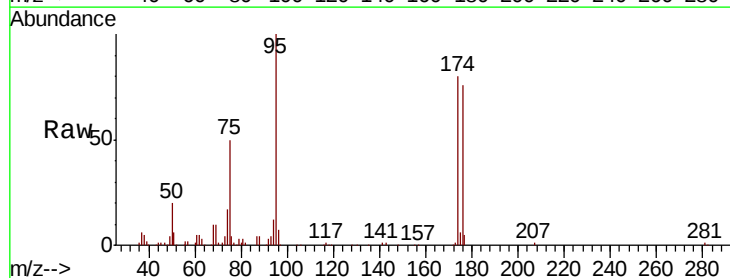
Instrument :
 MSVOA_N
 ClientSampled :

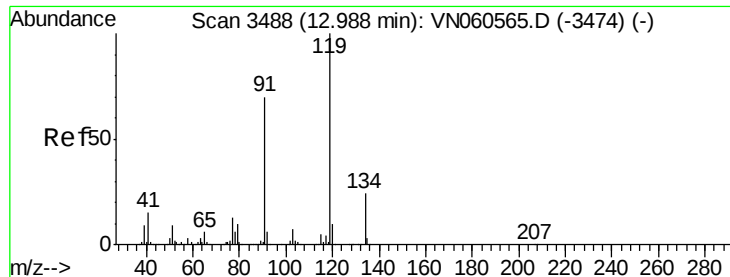
Tot Ion:105 Resp: 7099
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.867 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060768.D
 Acq: 30 Mar 2020 14:19

Tgt Ion: 75 Resp: 78825
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

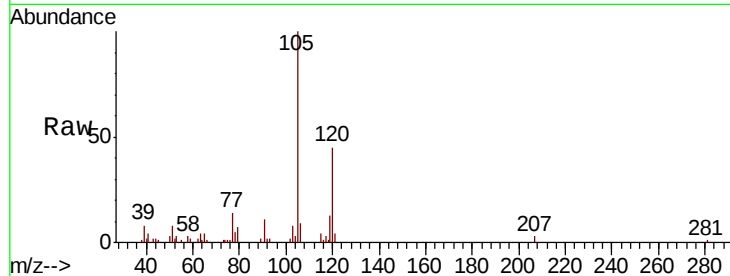




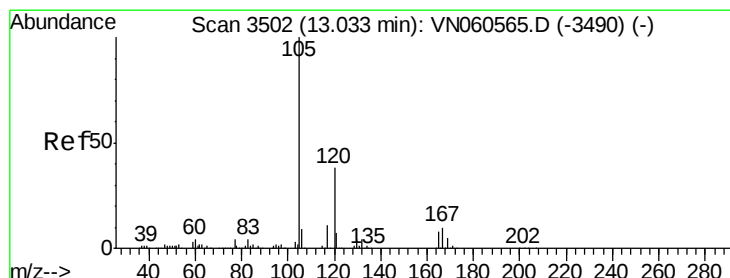
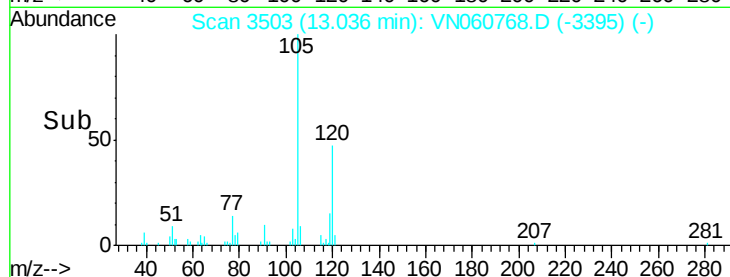
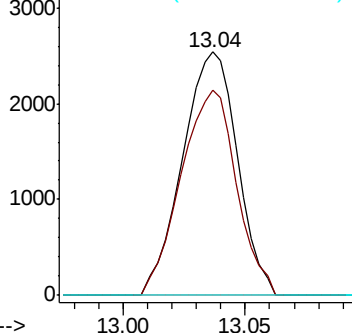
#83
 tert-Butylbenzene
 Concen: 0.510 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.05 min
 Lab File: VN060768.D
 Acq: 30 Mar 2020 14:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 3959
 Ion Ratio Lower Upper
 119 100
 91 85.5 34.0 101.8
 134 0.0 12.7 38.0#

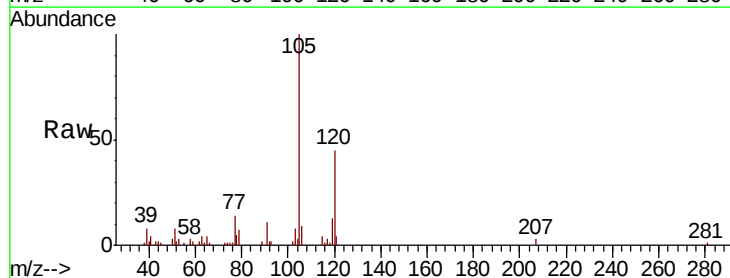


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

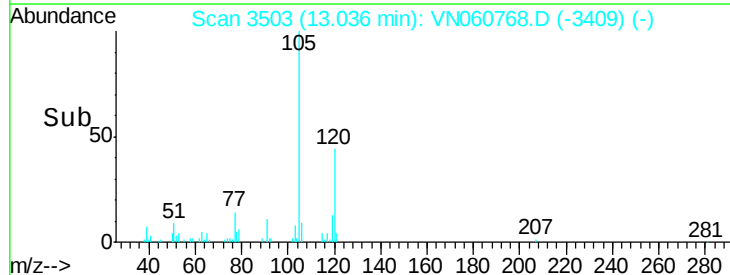
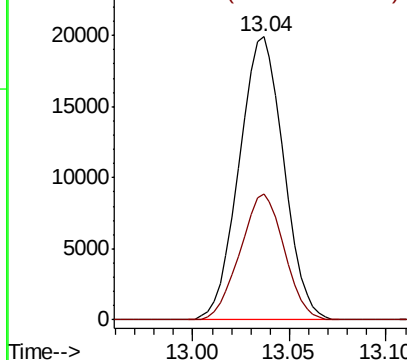


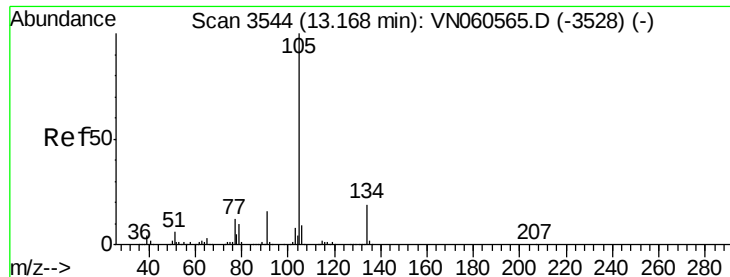
#84
 1,2,4-Trimethylbenzene
 Concen: 3.445 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060768.D
 Acq: 30 Mar 2020 14:19

Tgt Ion:105 Resp: 31888
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 3.058 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.13 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

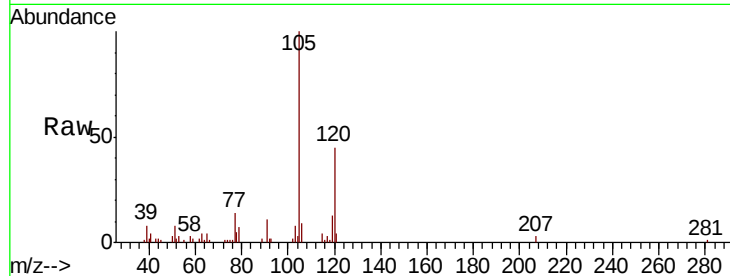
ClientSampled :

Tot Ion:105 Resp: 31888

Ion Ratio Lower Upper

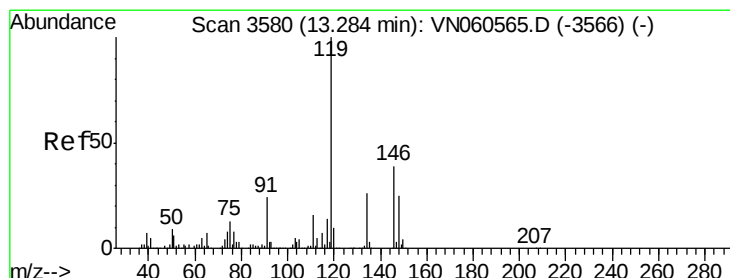
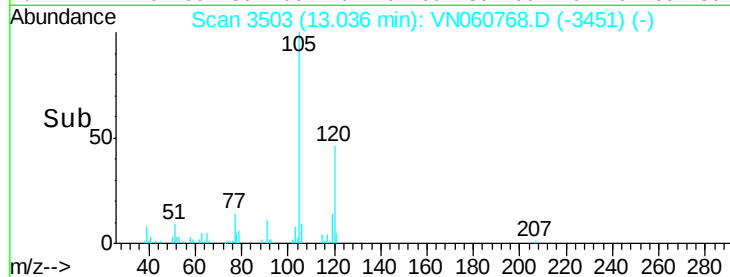
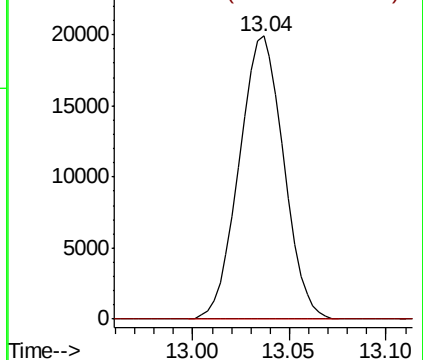
105 100

134 0.0 9.6 28.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.325 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

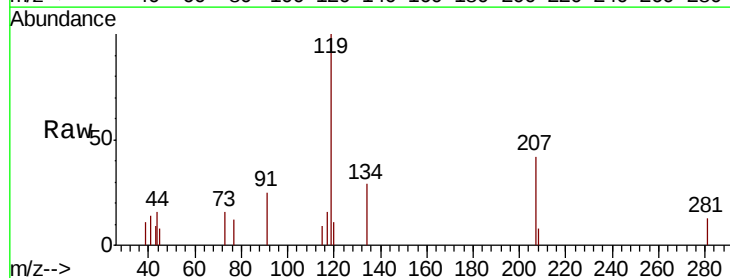
Tgt Ion:119 Resp: 3045

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

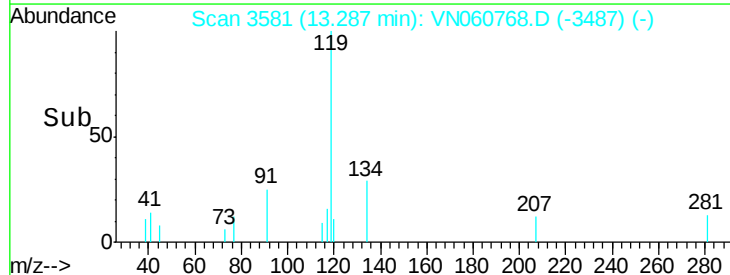
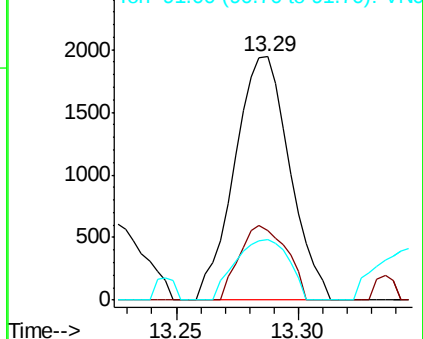
91 24.1 12.0 36.0

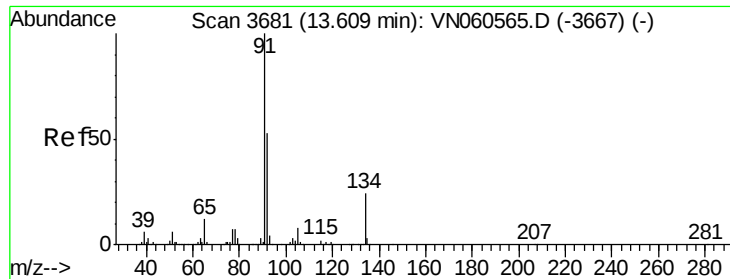


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

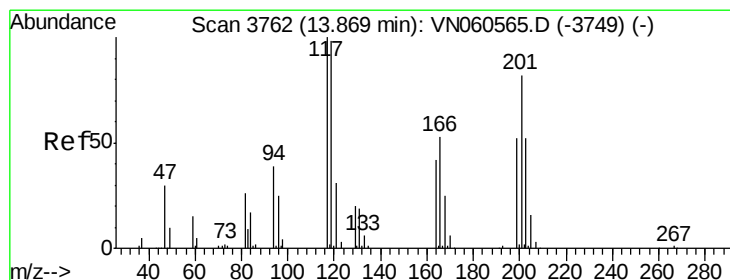
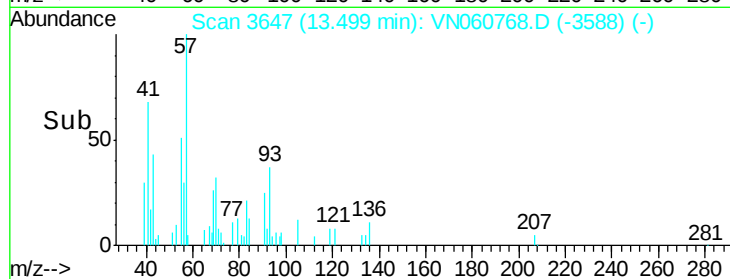
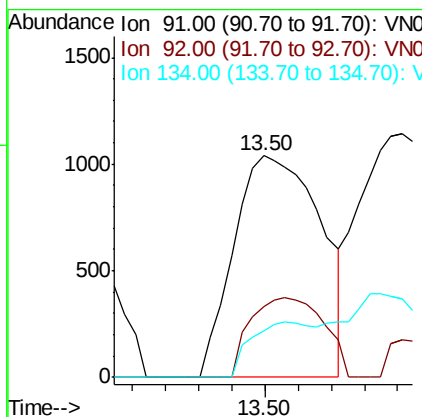
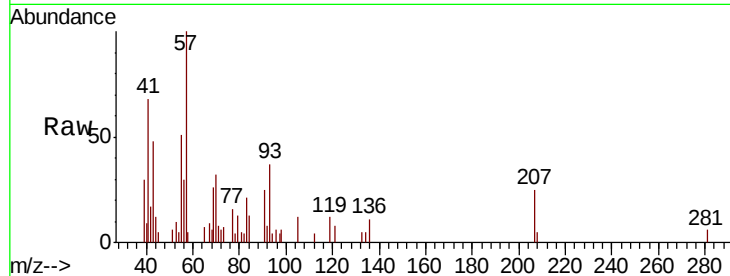




#89
n-Butylbenzene
Concen: 0.224 ug/l
RT: 13.50 min Scan# 3647
Delta R.T. -0.11 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

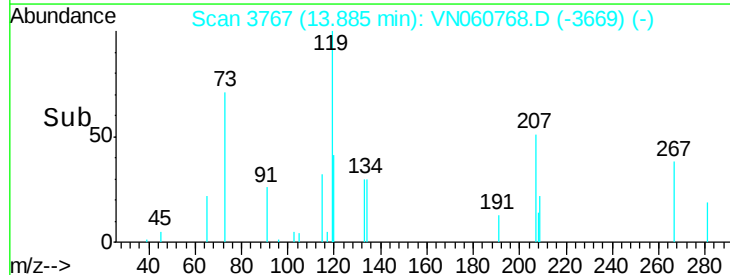
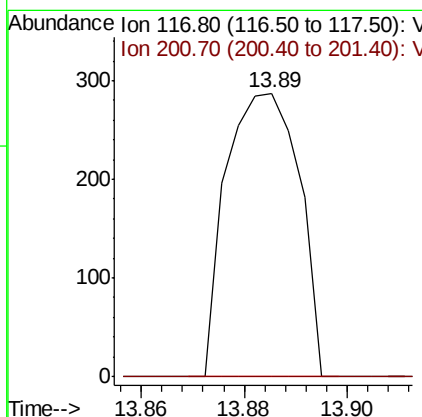
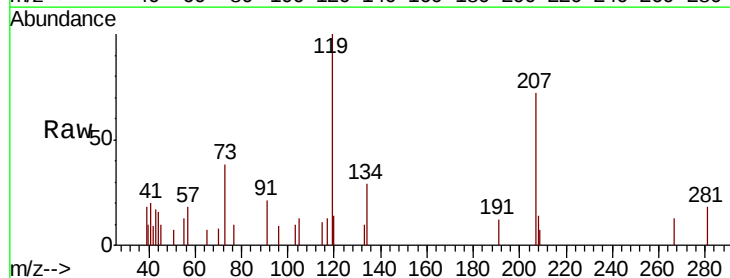
Instrument :
MSVOA_N
ClientSampled :

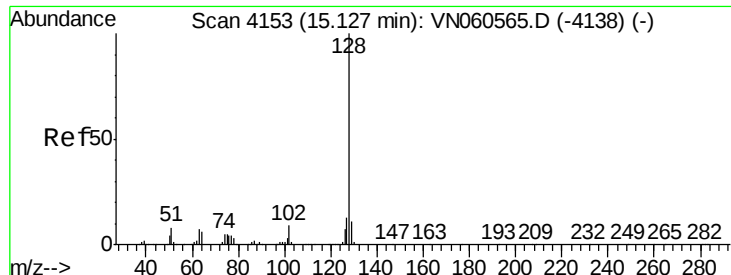
Tot Ion: 91 Resp: 1897
Ion Ratio Lower Upper
91 100
92 30.4 26.2 78.5
134 18.3 12.3 36.9



#90
Hexachloroethane
Concen: 0.205 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.02 min
Lab File: VN060768.D
Acq: 30 Mar 2020 14:19

Tgt Ion: 117 Resp: 280
Ion Ratio Lower Upper
117 100
201 0.0 40.8 122.5#





#95

Naphthalene

Concen: 2.015 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060768.D

Acq: 30 Mar 2020 14:19

Instrument :

MSVOA_N

ClientSampleId :

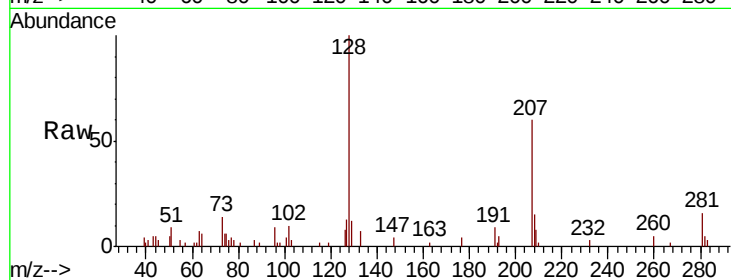
Tot Ion:128 Resp: 16678

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 11.2 8.8 13.2



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

