

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
 Data File : VN054858.D
 Acq On : 31 Mar 2019 18:38
 Operator : JC/SP
 Sample : K2180-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 02:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	530827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	901516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	757324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	366458	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	285605	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1070793	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.40	95	337803	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds

				Qvalue	
5) Bromomethane	2.57	94	134	Below Cal	# 79
13) Acrolein	3.60	56	259	0.777	ug/l # 78
14) Allyl chloride	4.54	41	24115	2.346	ug/l # 21
16) Acetone	3.82	43	8960	5.251	ug/l # 82
18) Methyl Acetate	4.34	43	3872	Below Cal	# 62
20) Methylene Chloride	4.54	84	487375	80.971	ug/l # 84
25) 2-Butanone	6.85	43	1103	0.437	ug/l 90
29) Tetrahydrofuran	7.22	42	538	0.307	ug/l # 40
30) Chloroform	7.37	83	4423	0.428	ug/l 99
31) Cyclohexane	7.66	56	14149	Below Cal	# 40
36) 1,1-Dichloropropene	7.66	75	41203	4.905	ug/l # 48
38) Carbon Tetrachloride	7.66	117	52713	6.461	ug/l # 16
43) Isopropyl Acetate	8.18	43	20404	2.038	ug/l # 89
45) 1,2-Dichloropropane	9.27	63	1814	0.265	ug/l # 80
47) Bromodichloromethane	9.40	83	1913	0.239	ug/l # 92
48) Methyl methacrylate	9.18	41	6966	1.284	ug/l # 11
49) 1,4-Dioxane	9.27	88	107	1.987	ug/l # 1
51) 4-Methyl-2-Pentanone	10.02	43	8765	1.558	ug/l # 36
52) Toluene	10.15	92	4657	0.326	ug/l 96
54) cis-1,3-Dichloropropene	9.91	75	60936	6.768	ug/l # 70
55) 1,1,2-Trichloroethane	10.54	97	3258	0.613	ug/l # 31
57) 1,3-Dichloropropane	10.77	76	11593	1.268	ug/l # 43
58) 2-Chloroethyl Vinyl ether	9.64	63	113	10.390	ug/l # 44
59) 2-Hexanone	10.77	43	199953	55.503	ug/l # 47
67) Ethyl Benzene	11.51	91	371230	13.874	ug/l 96
68) m/p-Xylenes	11.62	106	202987	20.500	ug/l 90
69) o-Xylene	11.95	106	8054	0.829	ug/l 86
71) Bromoform	12.40	173	1305	0.401	ug/l # 1
73) Isopropylbenzene	12.25	105	62577	2.630	ug/l 96
75) 1,1,2,2-Tetrachloroethane	12.48	83	67	Below Cal	# 26
76) 1,2,3-Trichloropropane	12.40	75	172083	34.026	ug/l # 100
78) n-propylbenzene	12.59	91	231379	8.847	ug/l 96
79) 2-Chlorotoluene	12.65	91	40931	2.530	ug/l # 38
80) 1,3,5-Trimethylbenzene	12.73	105	335948	17.207	ug/l 96

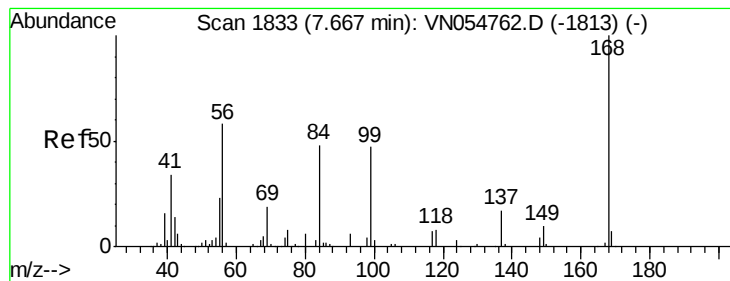
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033119\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.40	75	172083	132.354	ug/l #	11
82) 4-Chlorotoluene	12.73	91	36573	2.327	ug/l #	39
83) tert-Butylbenzene	13.04	119	134238	7.082	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.04	105	1096509	58.950	ug/l	97
85) sec-Butylbenzene	13.04	105	1096509	51.700	ug/l #	55
86) p-Isopropyltoluene	13.23	119	12879	0.688	ug/l	92
89) n-Butylbenzene	13.58	91	10214	0.669	ug/l #	1
90) Hexachloroethane	13.89	117	14424	4.541	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	978	1.202	ug/l #	1
95) Naphthalene	15.13	128	69636	6.637	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

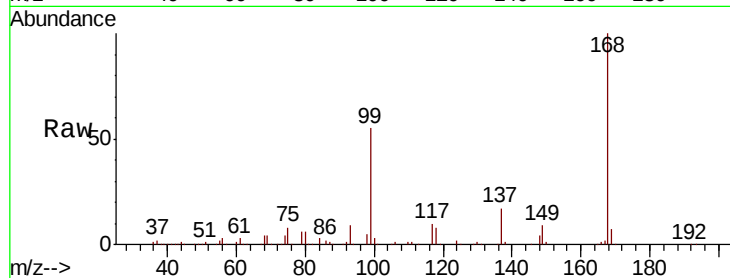
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 530827

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054858.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054858.D (-1740) (-)

7.67

250000

200000

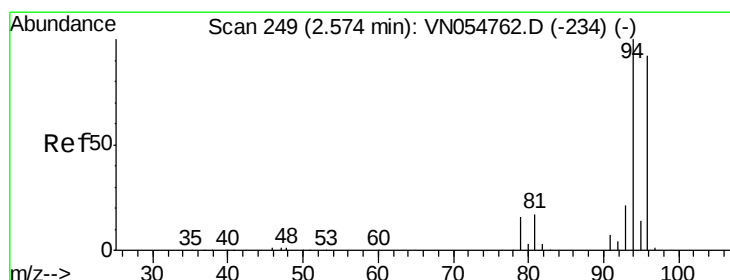
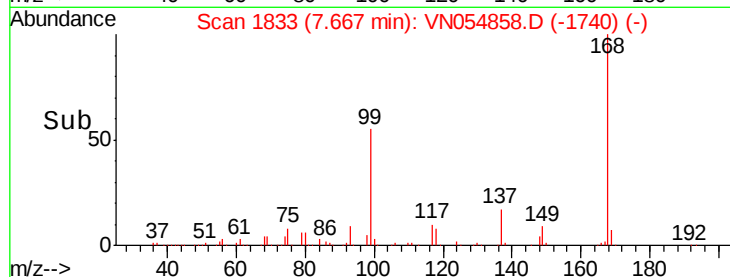
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054858.D

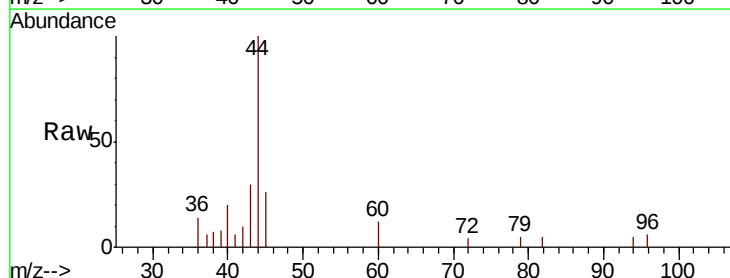
Acq: 31 Mar 2019 18:38

Tgt Ion: 94 Resp: 134

Ion Ratio Lower Upper

94 100

96 117.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054858.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054858.D (-156) (-)

250

200

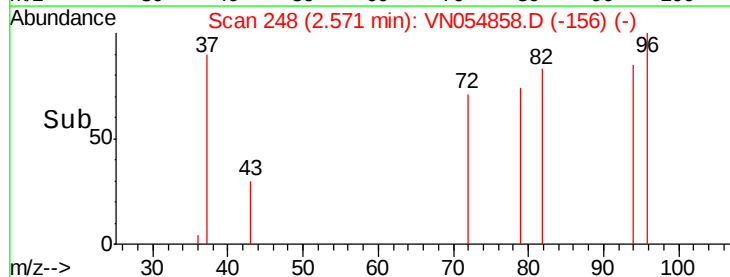
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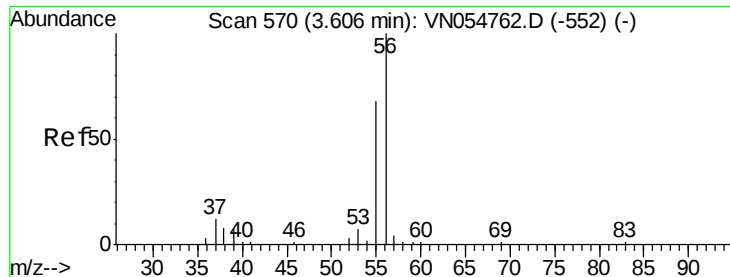
100

50

0

Time-->





#13

Acrolein

Concen: 0.777 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

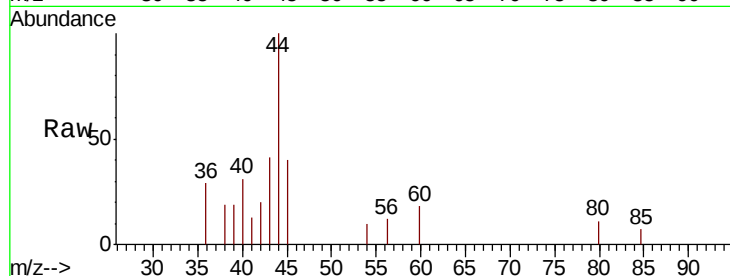
ClientSampleId :

Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

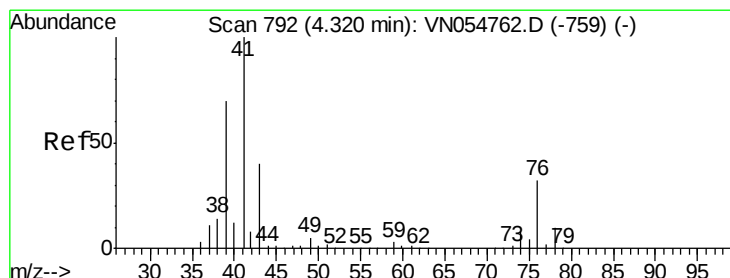
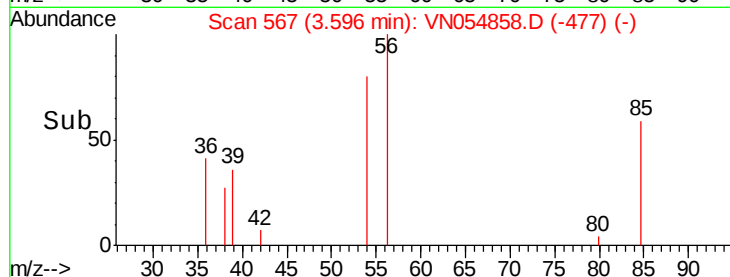
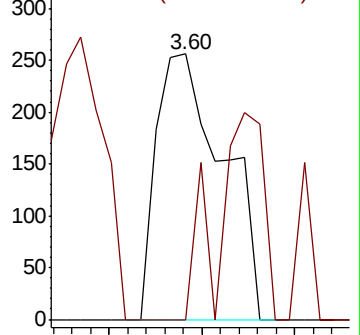
56 100

55 52.5 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 2.346 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.23 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

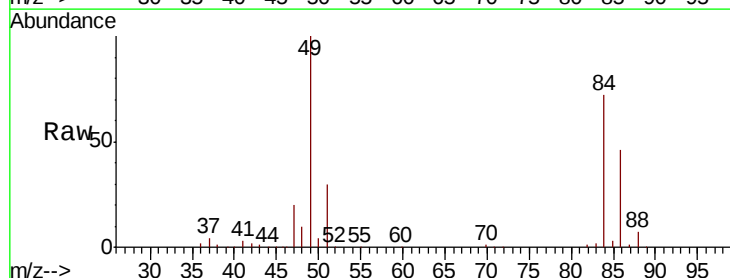
Tgt Ion: 41 Resp: 24115

Ion Ratio Lower Upper

41 100

39 0.6 58.2 87.4#

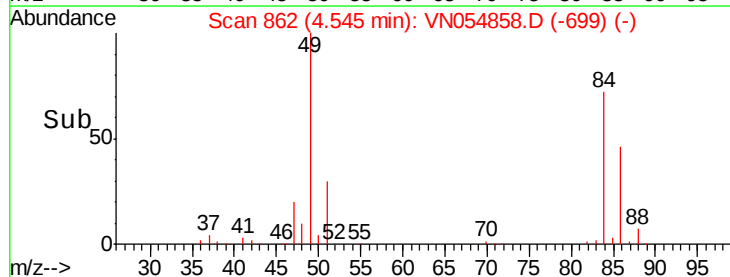
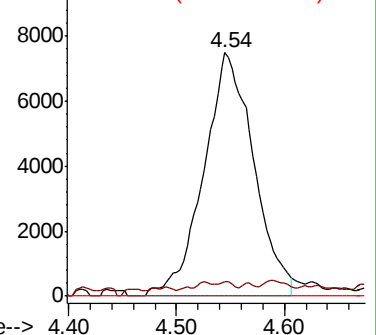
76 0.0 31.7 47.5#

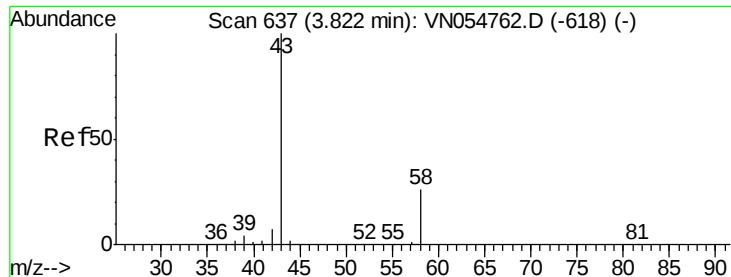


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

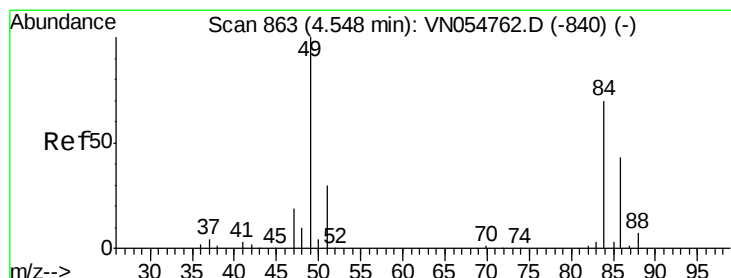
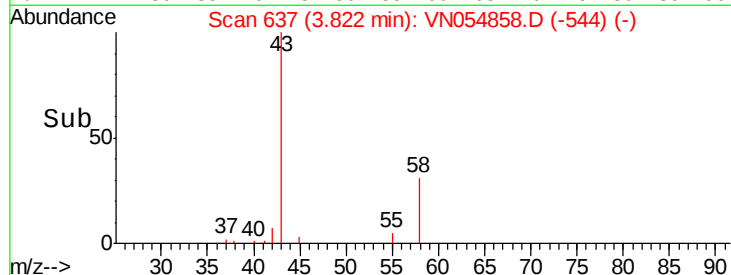
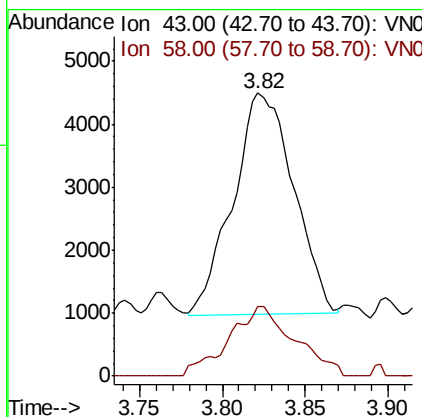
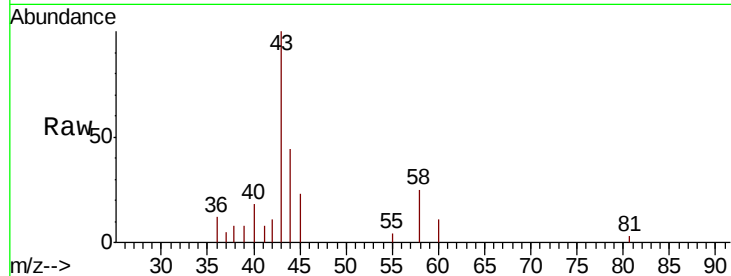




#16
Acetone
Concen: 5.251 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

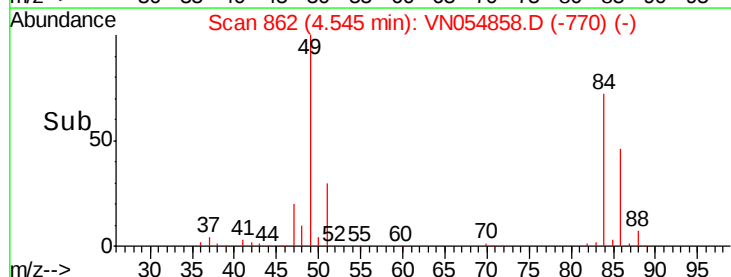
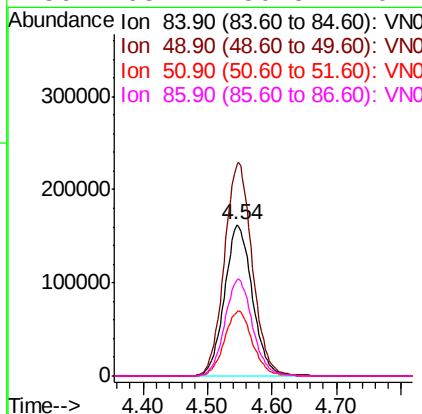
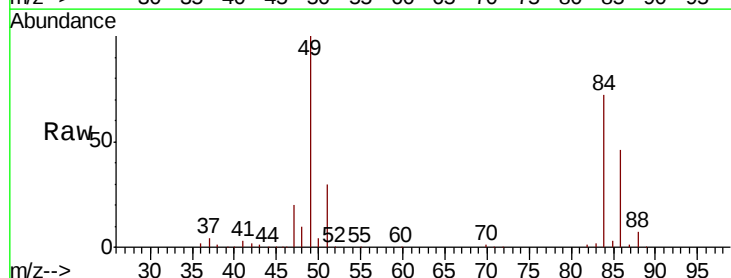
Instrument :
MSVOA_N
ClientSampled :

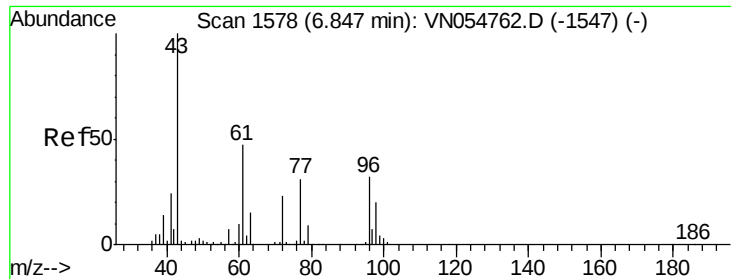
Tot Ion: 43 Resp: 8960
Ion Ratio Lower Upper
43 100
58 26.9 29.9 44.9#



#20
Methylene Chloride
Concen: 80.971 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion: 84 Resp: 487375
Ion Ratio Lower Upper
84 100
49 139.3 89.7 134.5#
51 42.4 28.2 42.4#
86 63.7 50.8 76.2

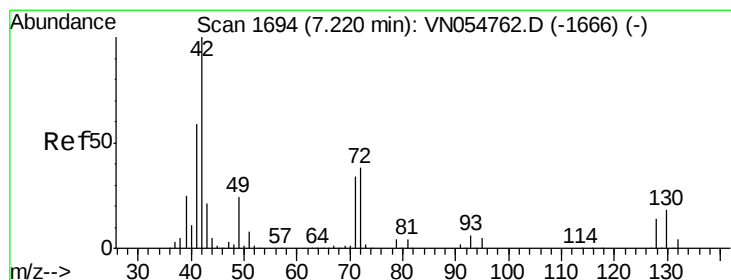
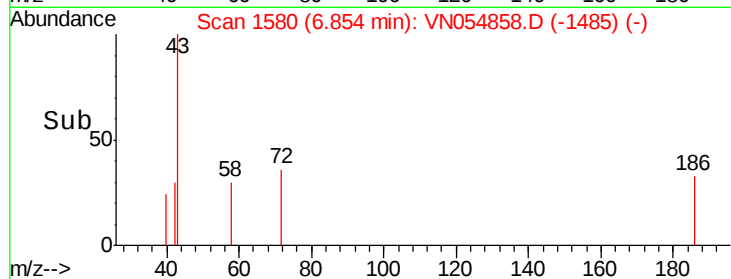
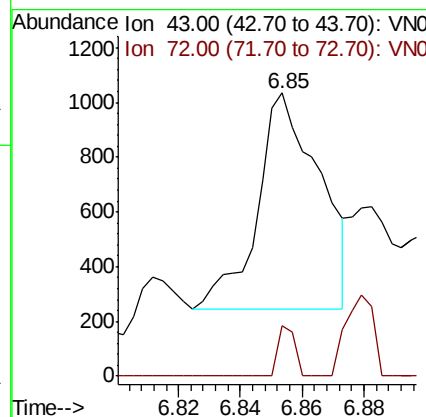
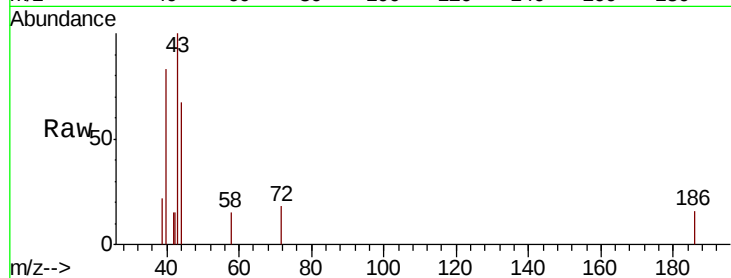




#25
 2-Butanone
 Concen: 0.437 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

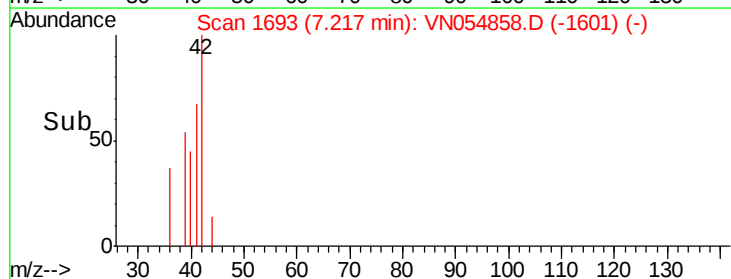
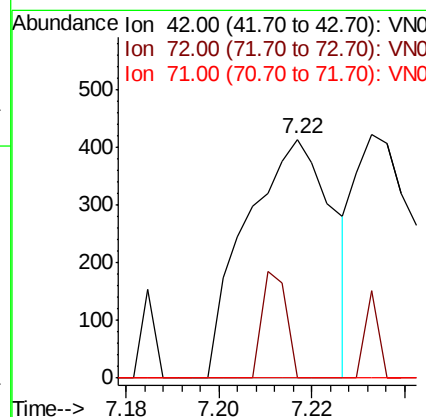
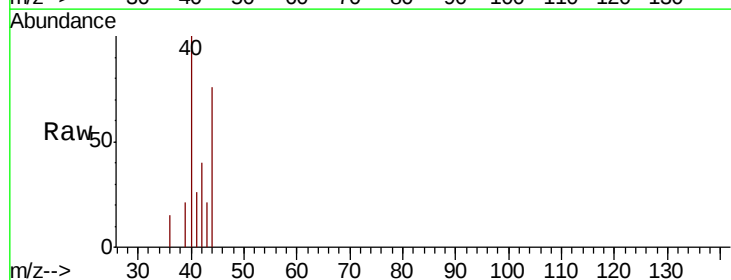
Instrument :
 MSVOA_N
 ClientSampled :

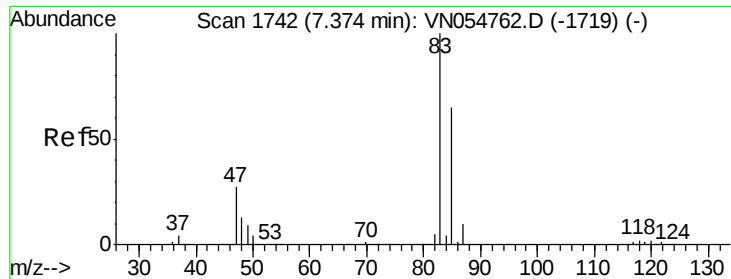
Tot Ion: 43 Resp: 1103
 Ion Ratio Lower Upper
 43 100
 72 23.2 23.0 34.6



#29
 Tetrahydrofuran
 Concen: 0.307 ug/l
 RT: 7.22 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Tgt Ion: 42 Resp: 538
 Ion Ratio Lower Upper
 42 100
 72 12.5 37.8 56.6#
 71 0.0 36.2 54.2#

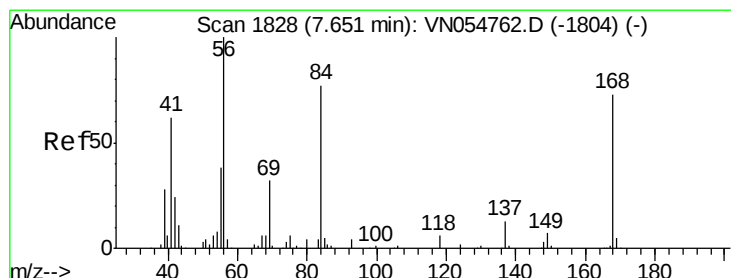
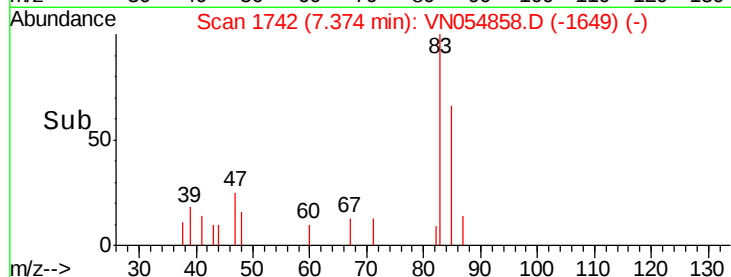
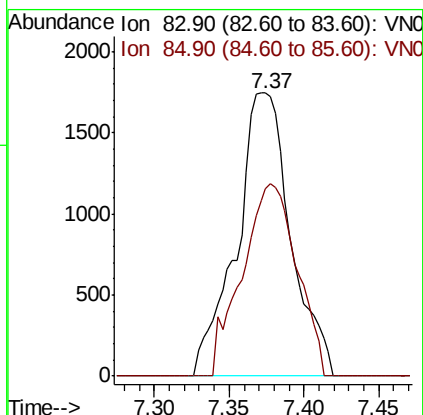
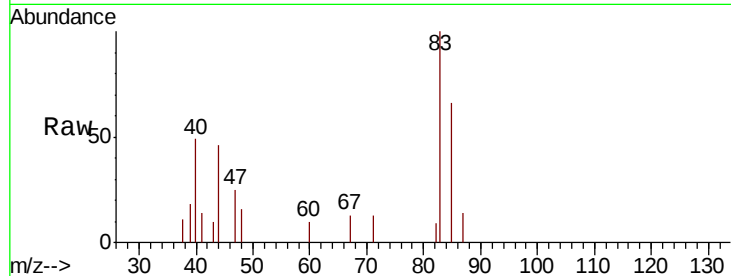




#30
Chloroform
Concen: 0.428 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

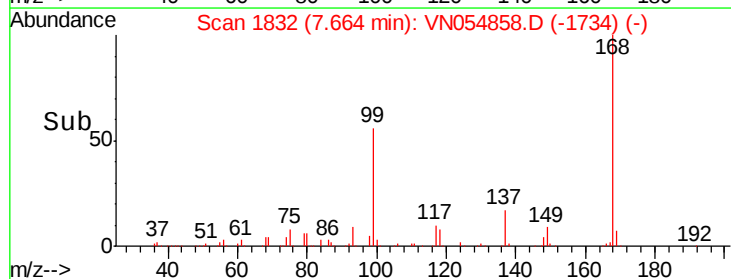
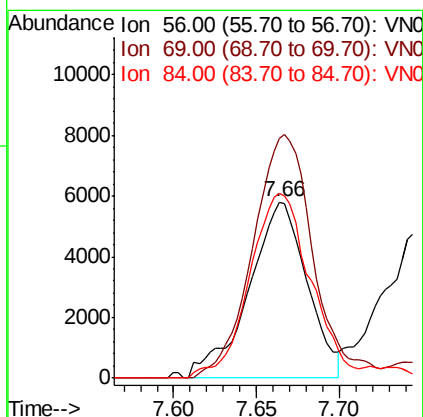
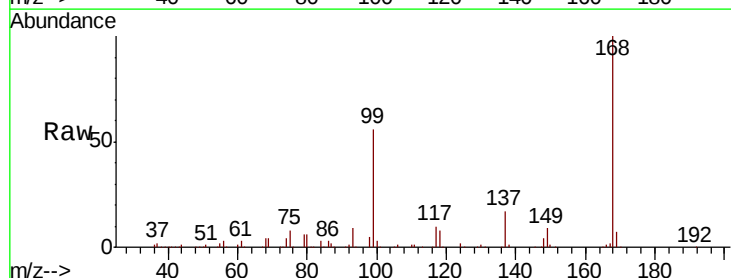
Instrument :
MSVOA_N
ClientSampleId :

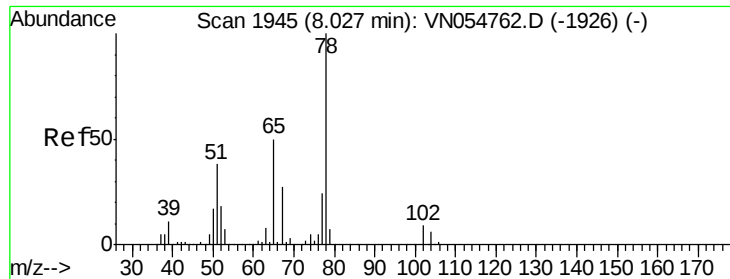
Tot Ion: 83 Resp: 4423
Ion Ratio Lower Upper
83 100
85 66.2 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion: 56 Resp: 14149
Ion Ratio Lower Upper
56 100
69 136.1 27.8 41.6#
84 110.0 74.6 111.8

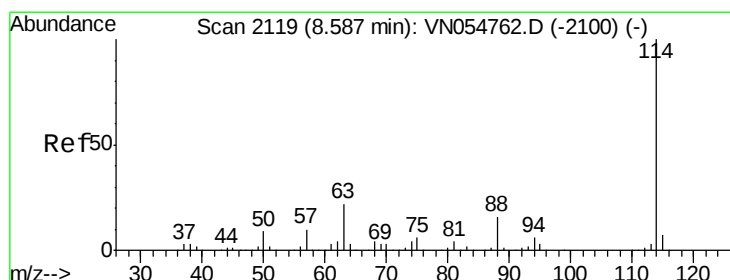
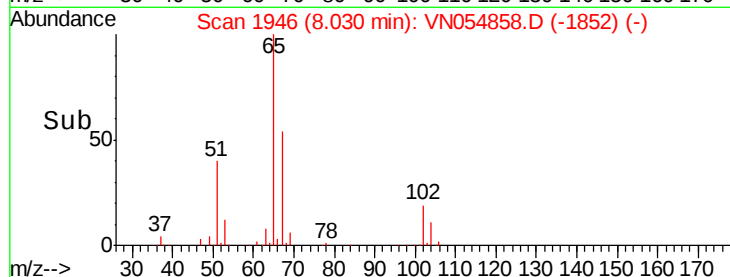
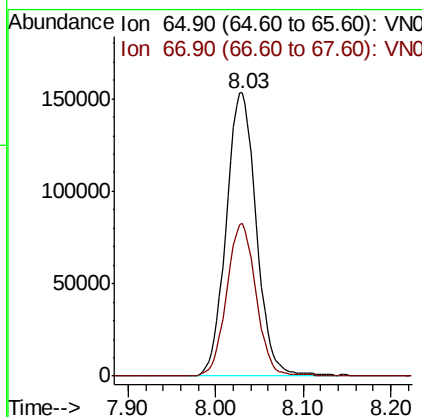
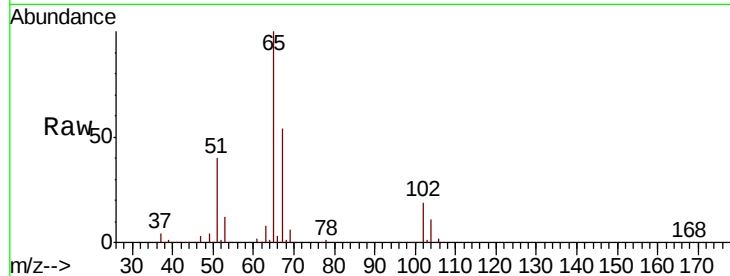




#33
 1,2-Dichloroethane-d4
 Concen: 51.212 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

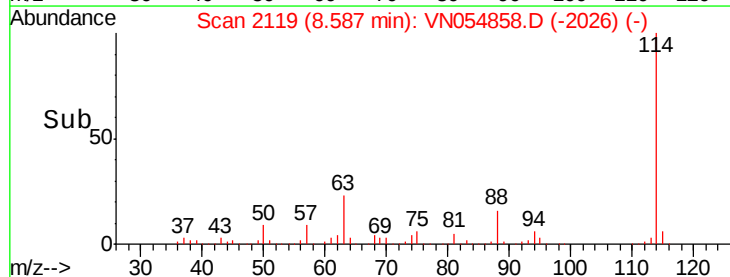
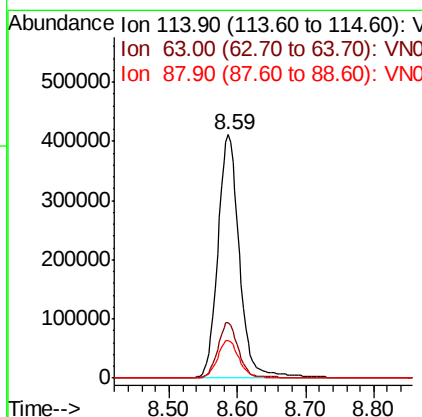
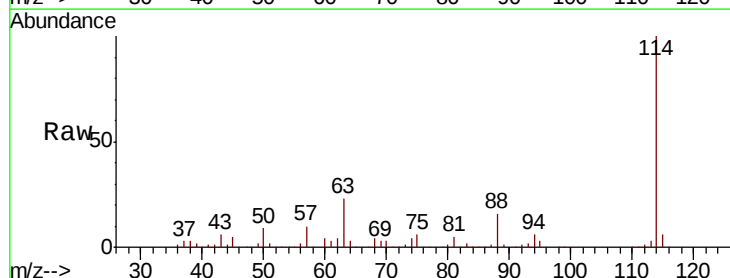
Instrument :
 MSVOA_N
 ClientSampleId :

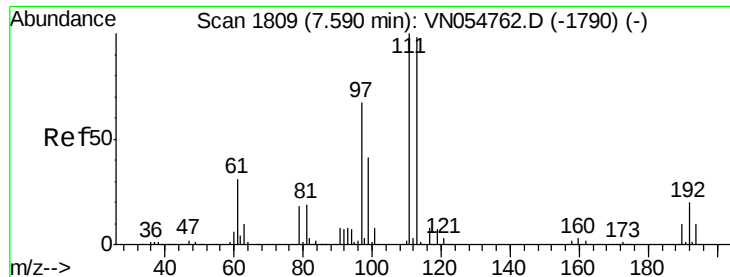
Tot Ion: 65 Resp: 366458
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Tgt Ion: 114 Resp: 901516
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 35.2
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.519 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

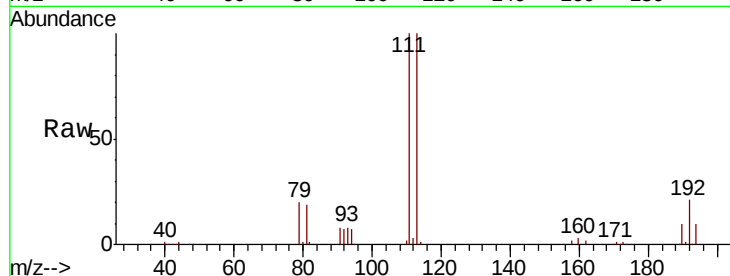
Tot Ion:113 Resp: 285605

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

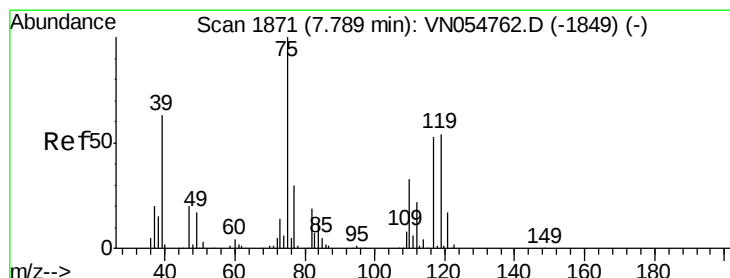
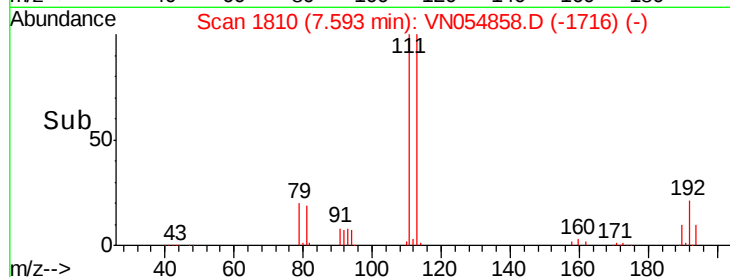
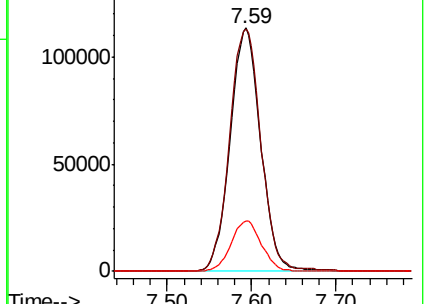
192 20.7 19.2 28.8



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: 4.905 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

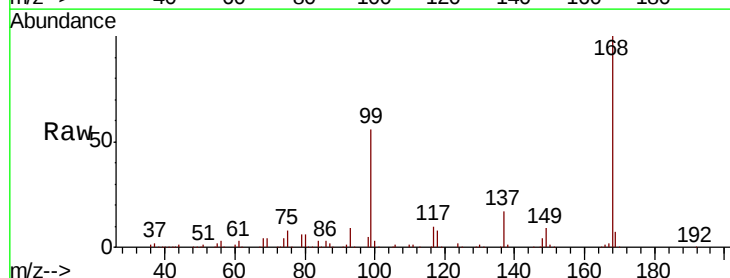
Tgt Ion: 75 Resp: 41203

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.5#

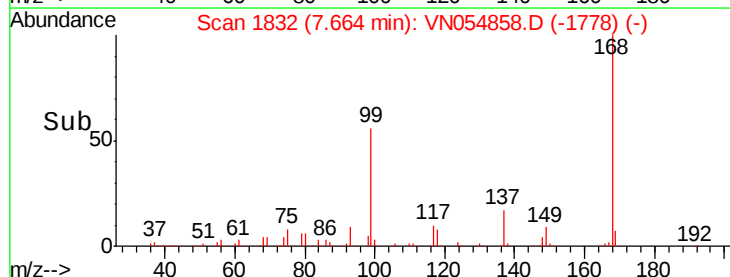
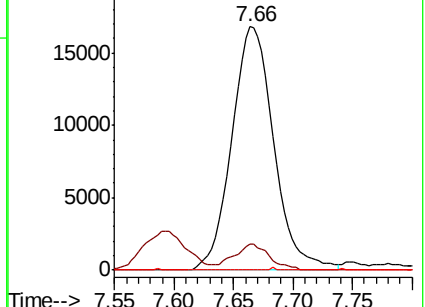
77 0.1 25.0 37.4#

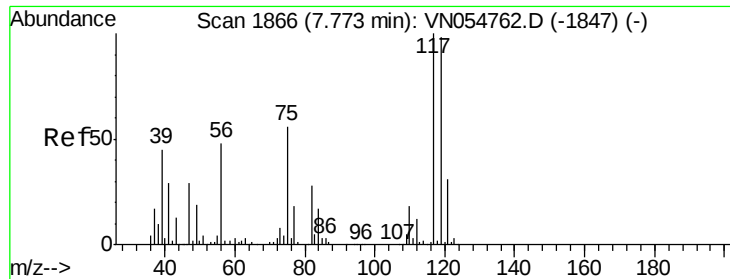


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.461 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

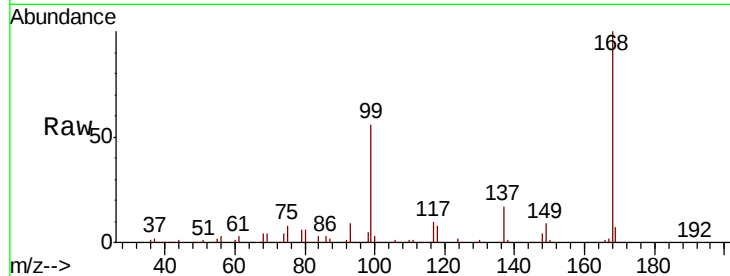
Tot Ion:117 Resp: 52713

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

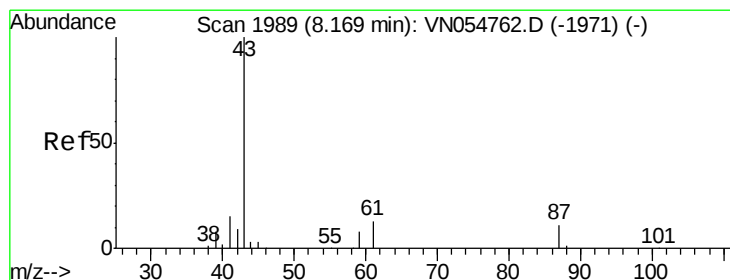
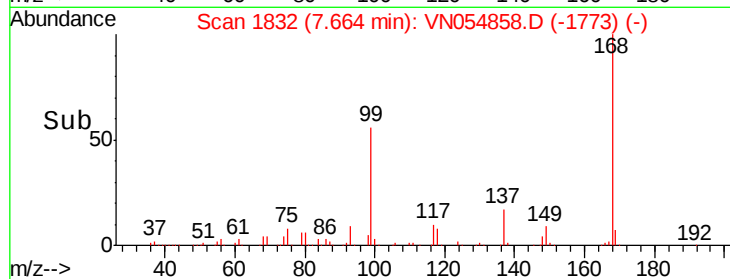
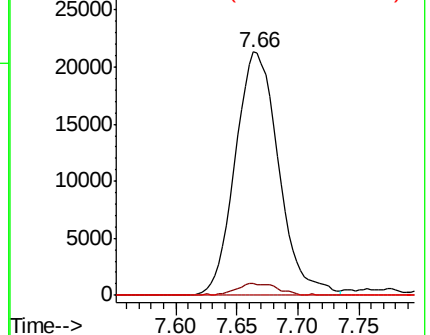
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 2.038 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

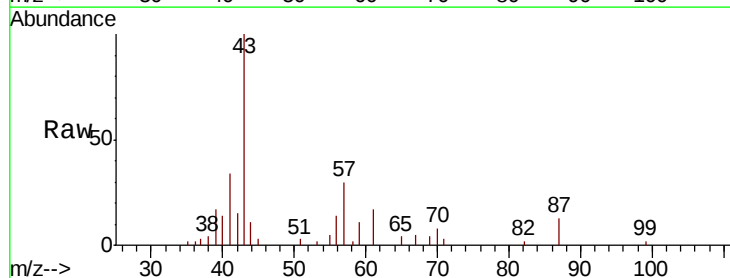
Tgt Ion: 43 Resp: 20404

Ion Ratio Lower Upper

43 100

61 15.4 15.8 23.8#

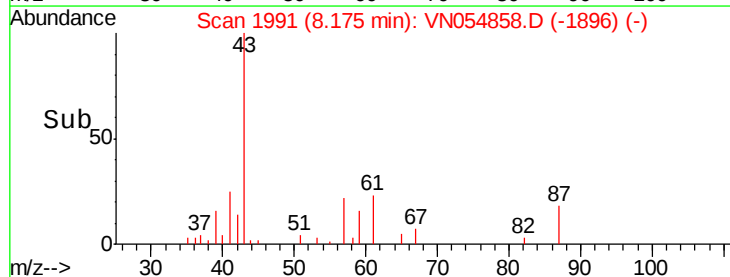
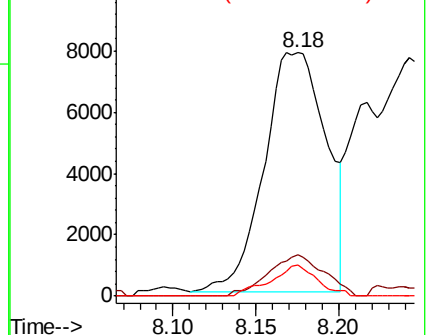
87 9.7 12.0 18.0#

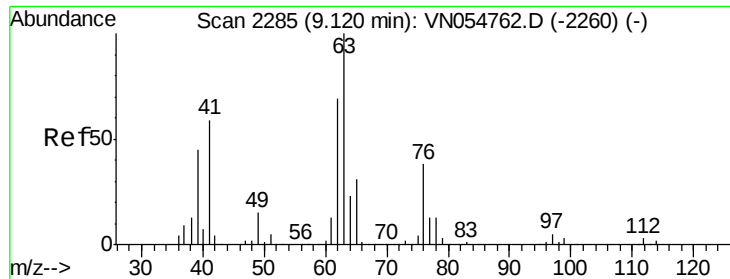


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.265 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

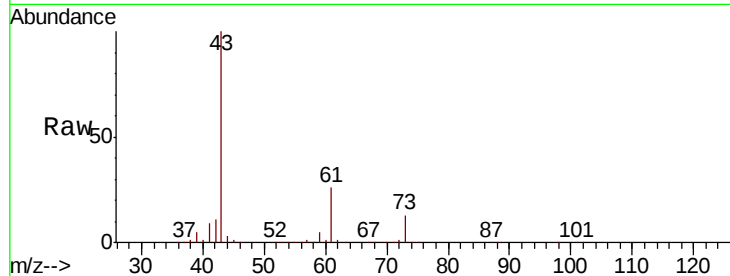
ClientSampled :

Tot Ion: 63 Resp: 1814

Ion Ratio Lower Upper

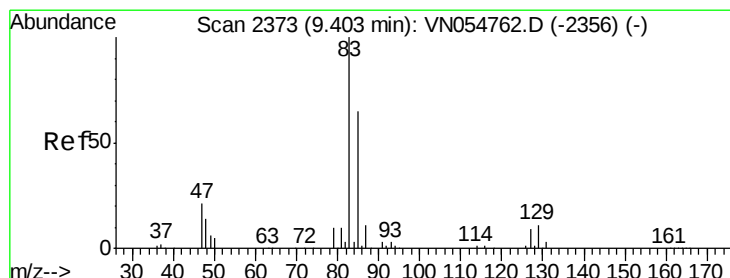
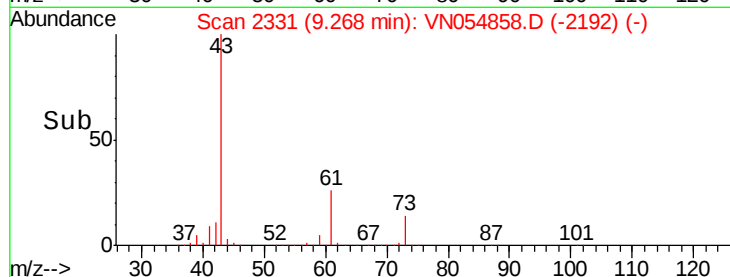
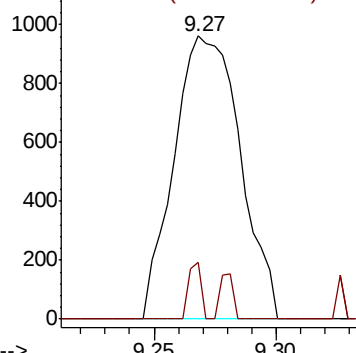
63 100

65 20.2 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#47

Bromodichloromethane

Concen: 0.239 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

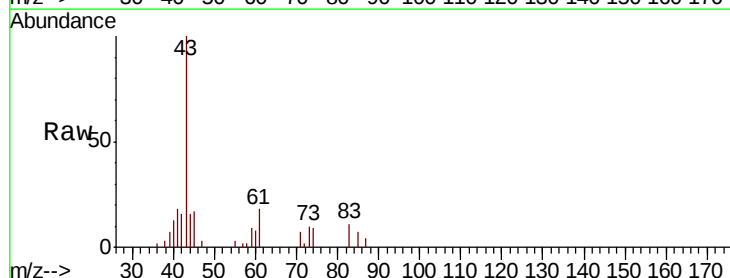
Tgt Ion: 83 Resp: 1913

Ion Ratio Lower Upper

83 100

85 61.5 52.8 79.2

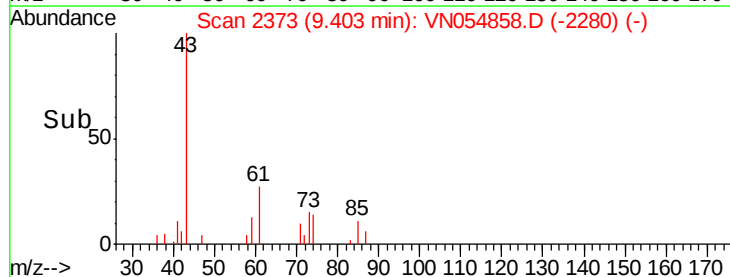
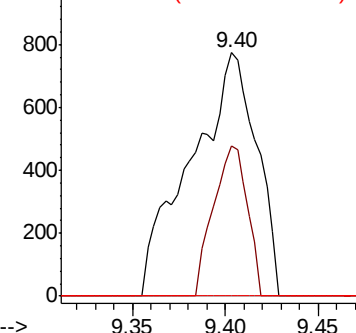
127 0.0 7.4 11.2#

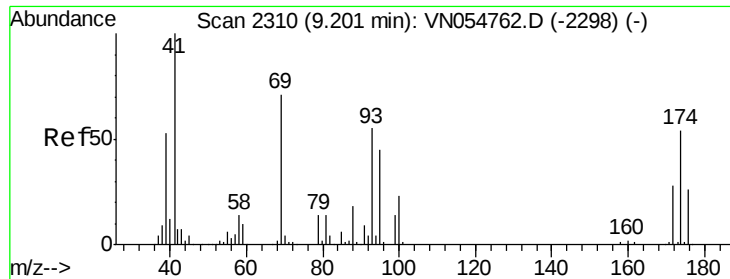


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

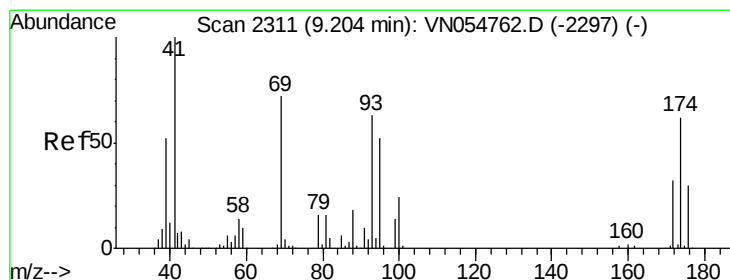
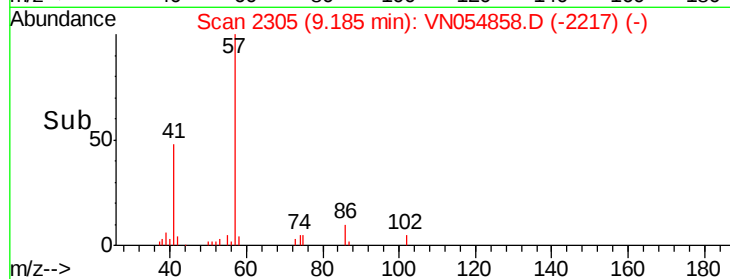
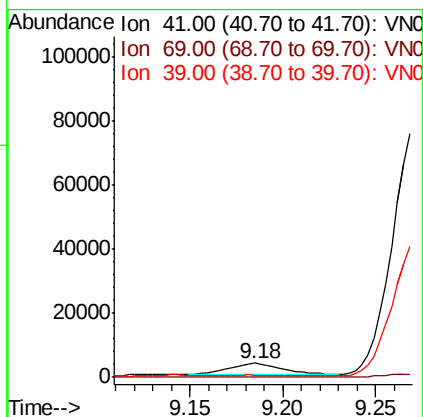
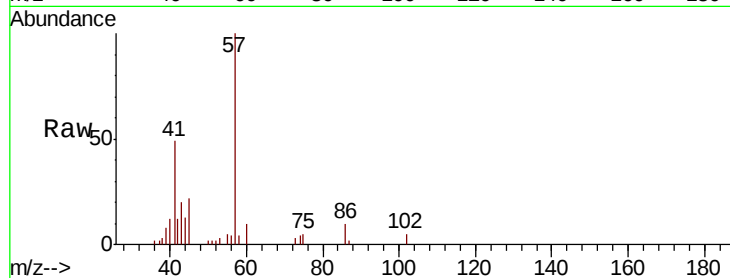




#48
Methyl methacrylate
Concen: 1.284 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

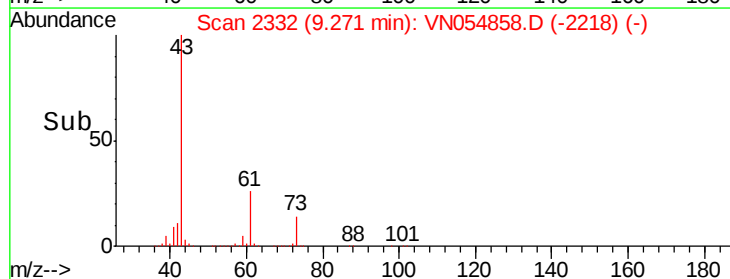
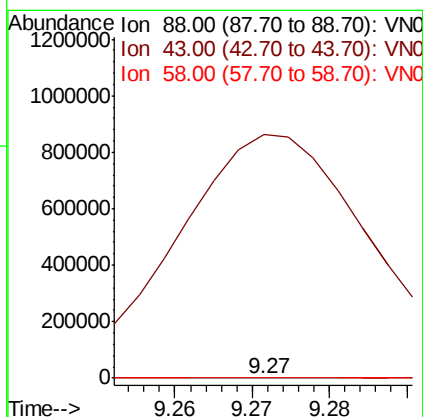
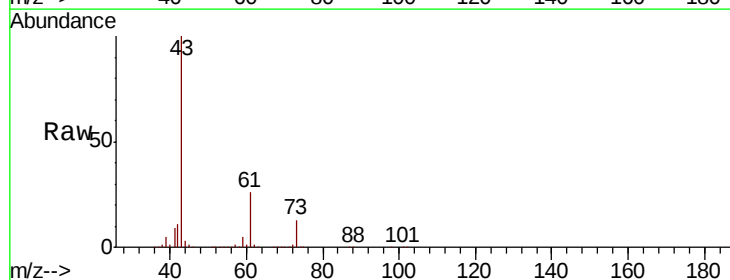
Instrument :
MSVOA_N
ClientSampled :

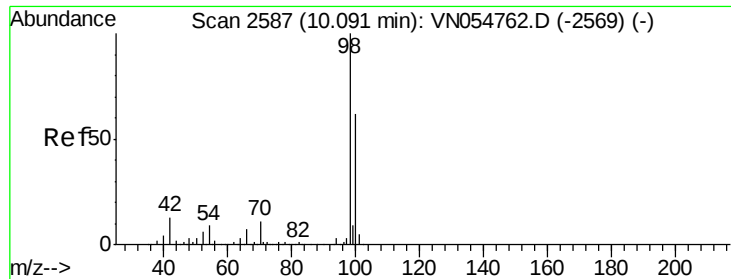
Tot Ion: 41 Resp: 6966
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#



#49
1,4-Dioxane
Concen: 1.987 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
43 1546770.1 24.1 36.1#
58 5918.7 50.8 76.2#





#50

Toluene-d8

Concen: 47.921 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

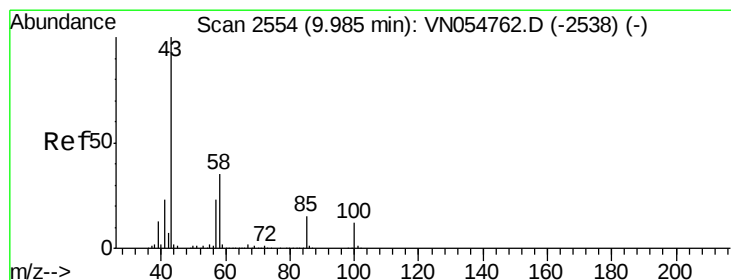
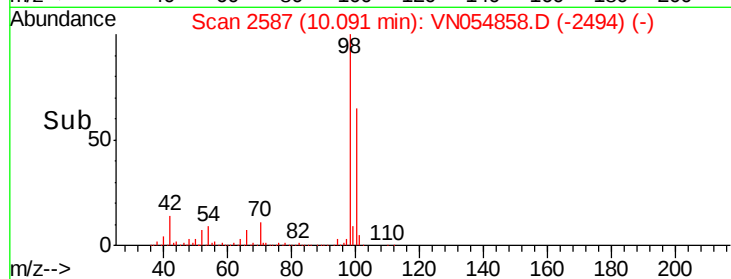
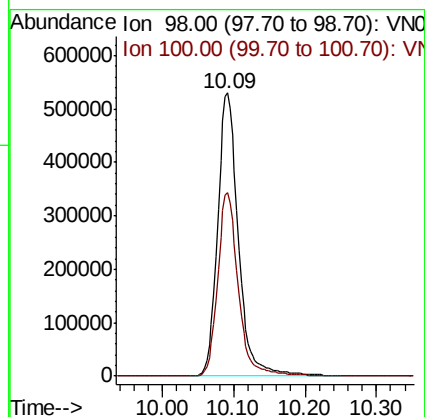
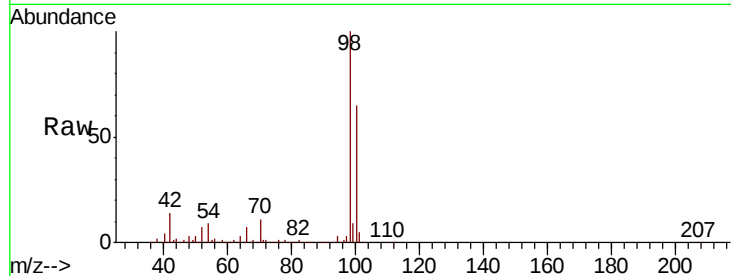
ClientSampled :

Tot Ion: 98 Resp: 1070793

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.558 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054858.D

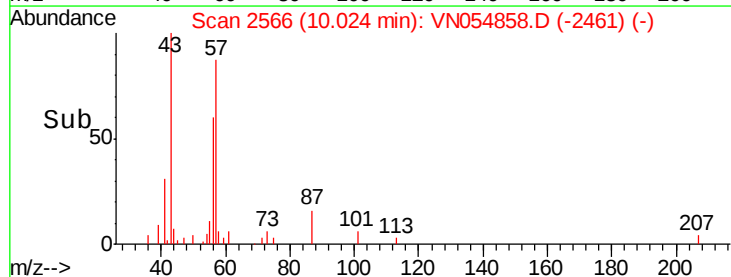
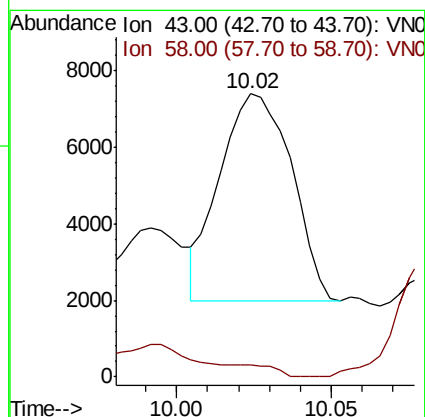
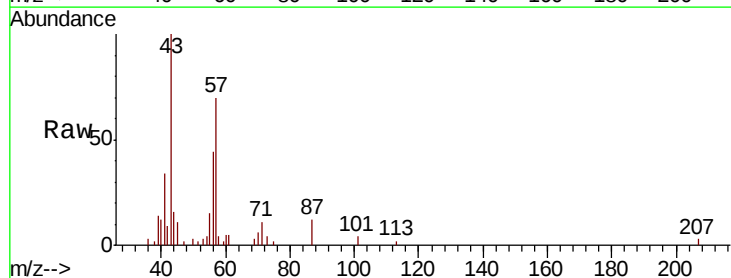
Acq: 31 Mar 2019 18:38

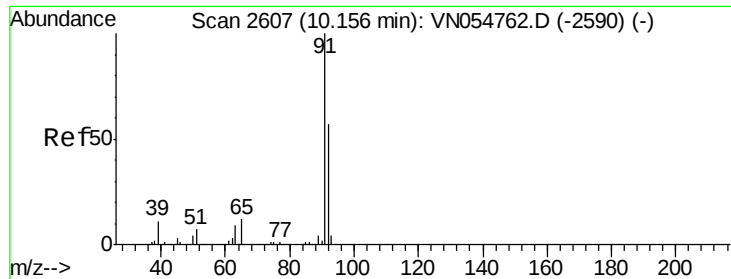
Tgt Ion: 43 Resp: 8765

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#





#52

Toluene

Concen: 0.326 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

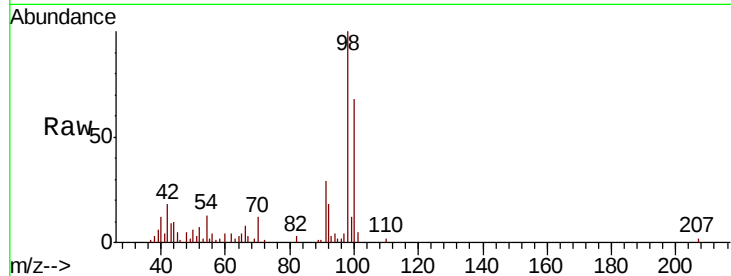
ClientSampled :

Tot Ion: 92 Resp: 4657

Ion Ratio Lower Upper

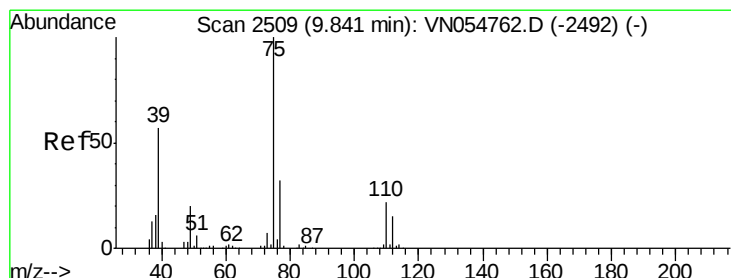
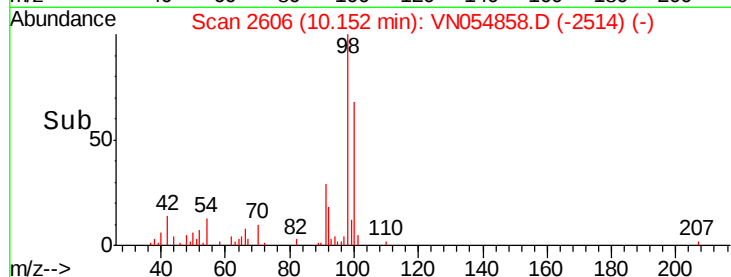
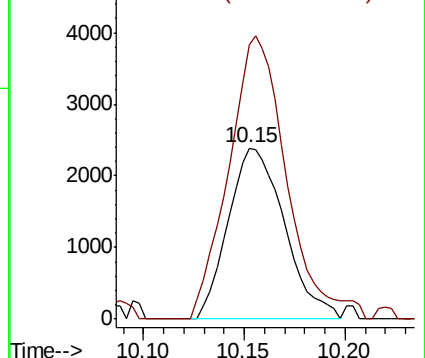
92 100

91 169.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.768 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

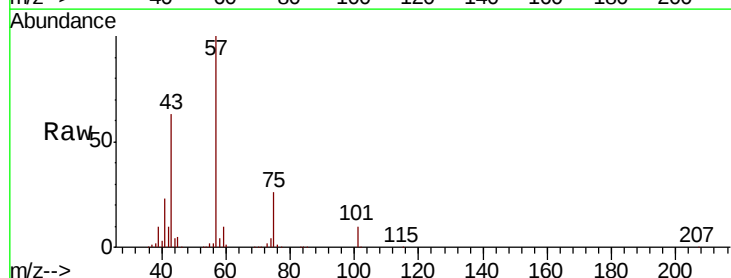
Tgt Ion: 75 Resp: 60936

Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.0#

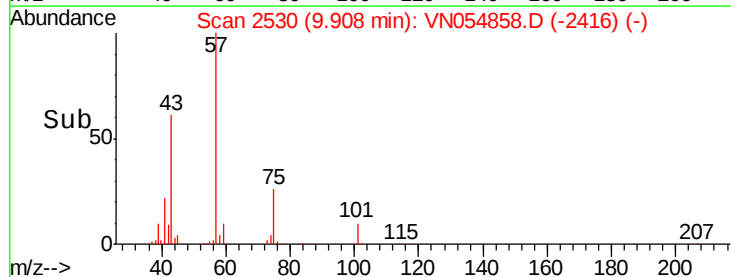
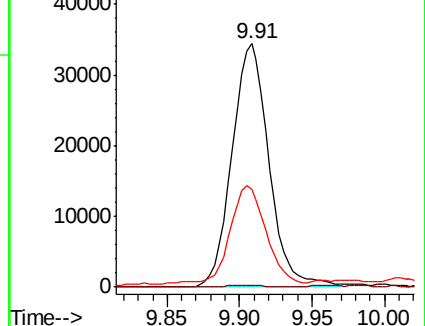
39 38.1 37.2 55.8

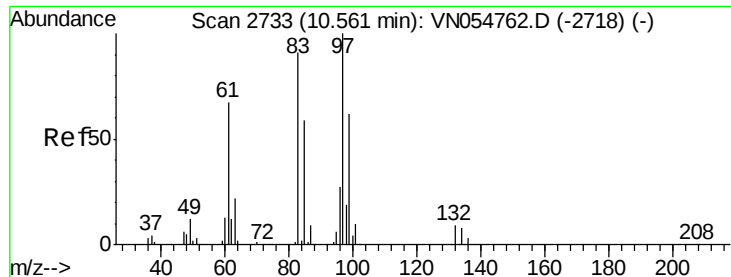


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

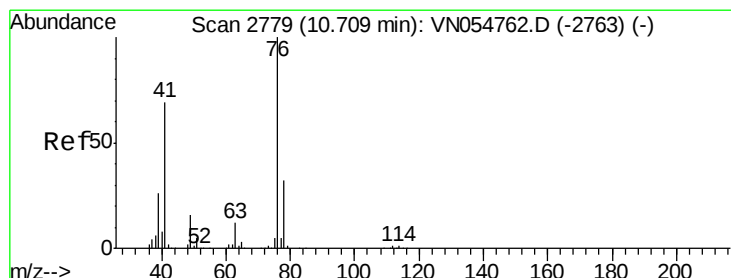
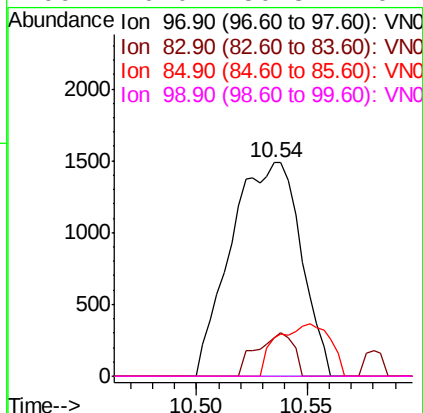
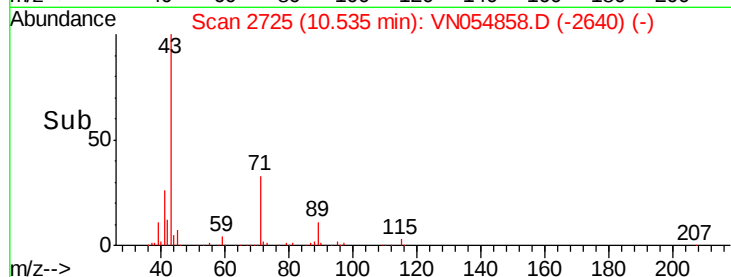
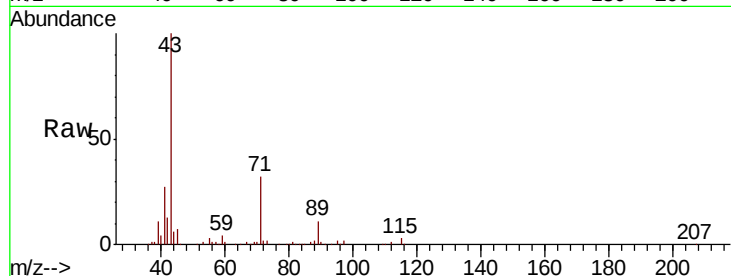




#55
 1,1,2-Trichloroethane
 Concen: 0.613 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. -0.03 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

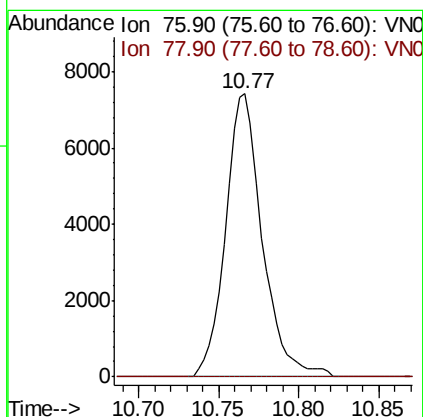
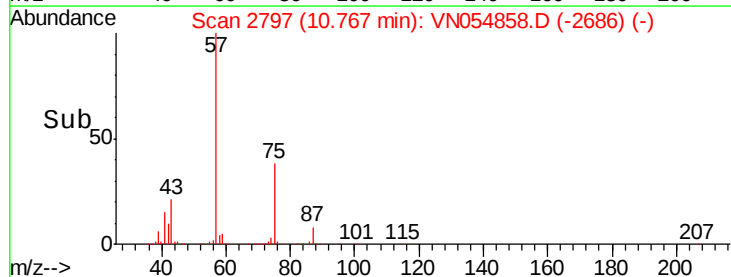
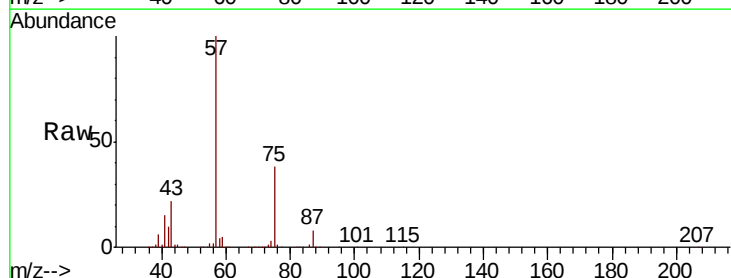
Instrument :
 MSVOA_N
 ClientSampleId :

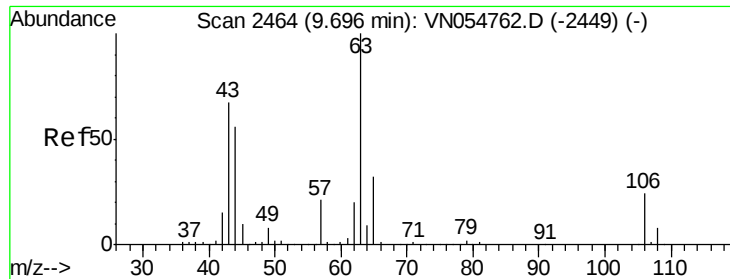
Tot Ion: 97 Resp: 3258
 Ion Ratio Lower Upper
 97 100
 83 18.2 66.6 100.0#
 85 18.0 44.4 66.6#
 99 0.0 50.8 76.2#



#57
 1,3-Dichloropropane
 Concen: 1.268 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Tgt Ion: 76 Resp: 11593
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

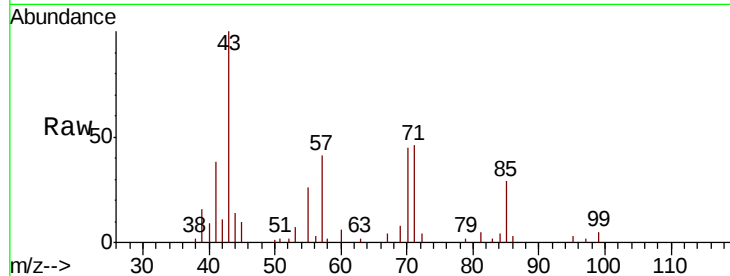




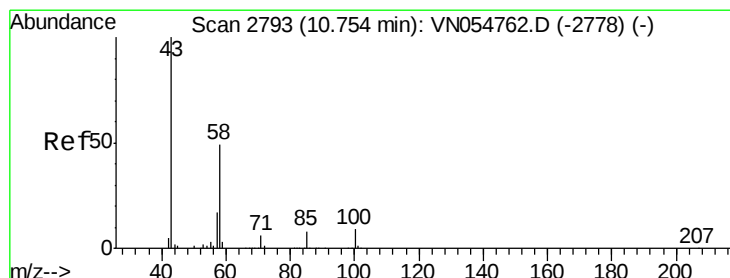
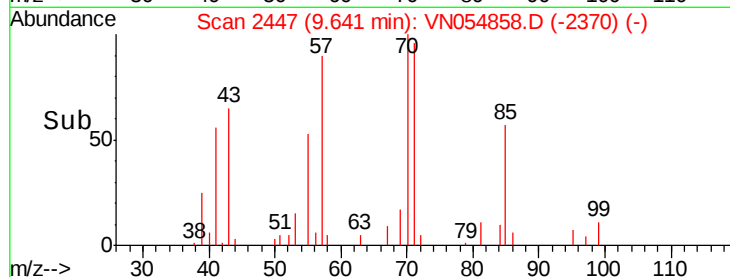
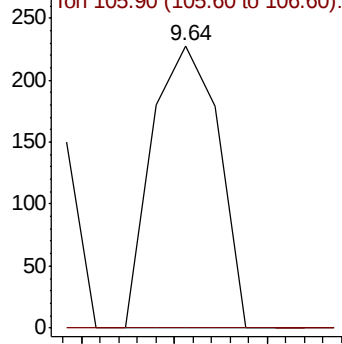
#58
2-Chloroethyl Vinyl ether
Concen: 10.390 ug/l
RT: 9.64 min Scan# 2447
Delta R.T. -0.05 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 113
Ion Ratio Lower Upper
63 100
106 0.0 24.4 36.6#

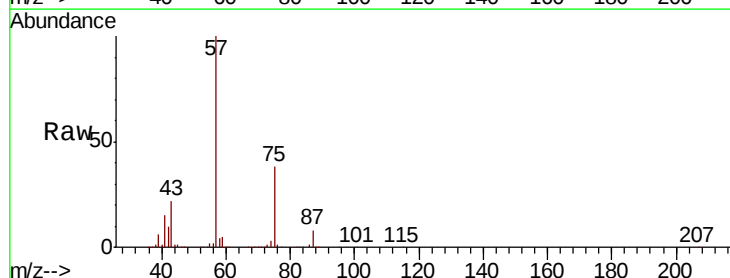


Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 105.90 (105.60 to 106.60): V

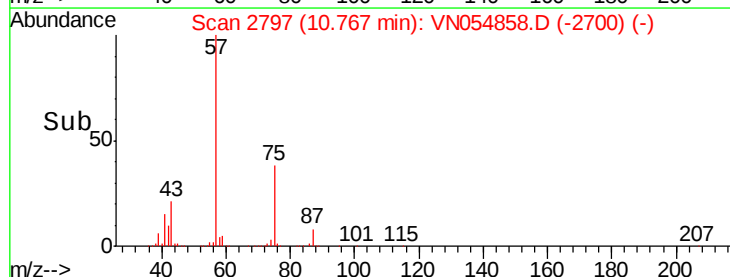
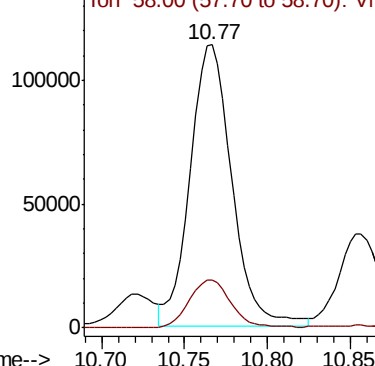


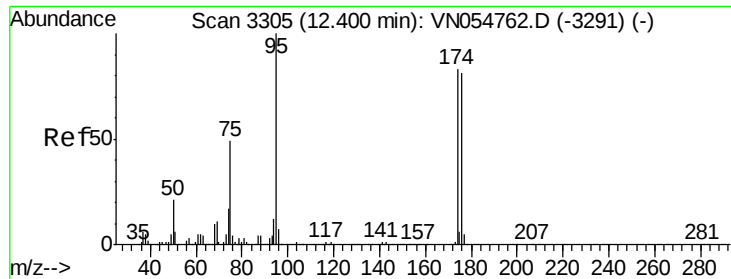
#59
2-Hexanone
Concen: 55.503 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion: 43 Resp: 199953
Ion Ratio Lower Upper
43 100
58 17.2 28.0 83.9#



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





#62

4-Bromofluorobenzene

Concen: 45.456 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

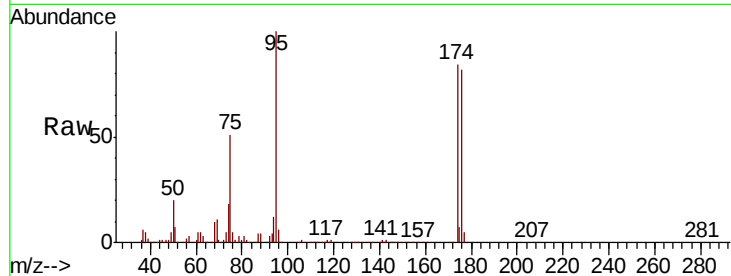
Tot Ion: 95 Resp: 337803

Ion Ratio Lower Upper

95 100

174 82.5 0.0 191.0

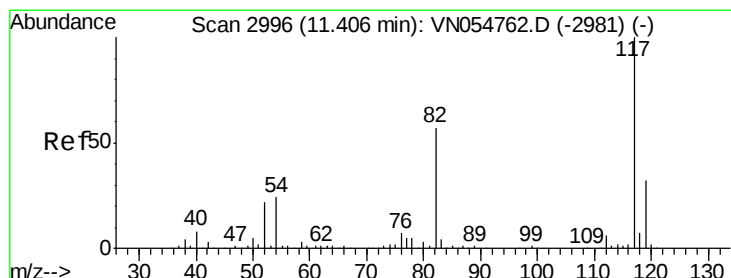
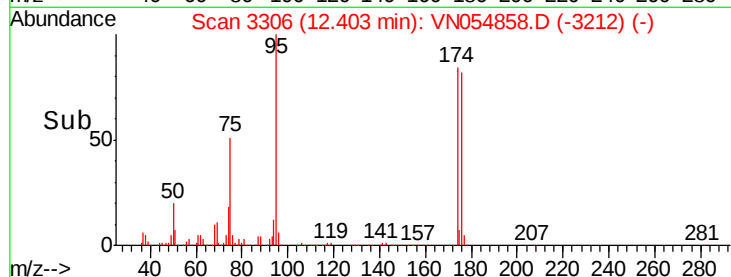
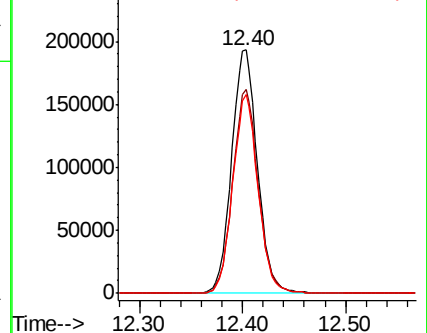
176 79.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

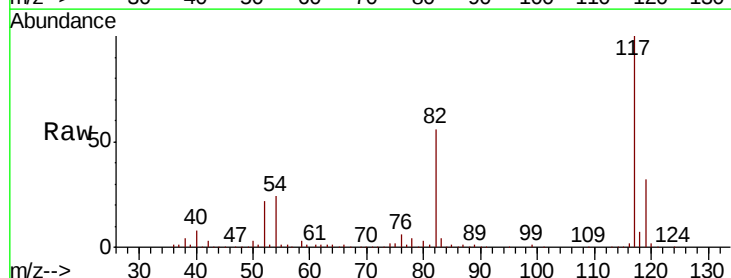
Tgt Ion: 117 Resp: 757324

Ion Ratio Lower Upper

117 100

82 55.9 40.0 60.0

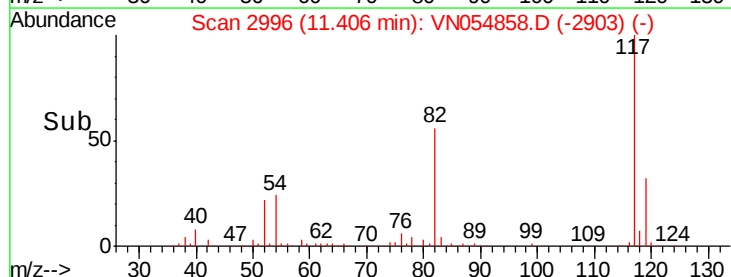
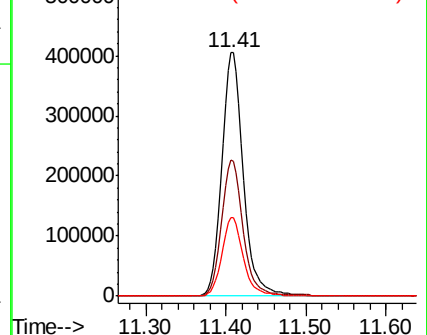
119 32.4 25.8 38.6

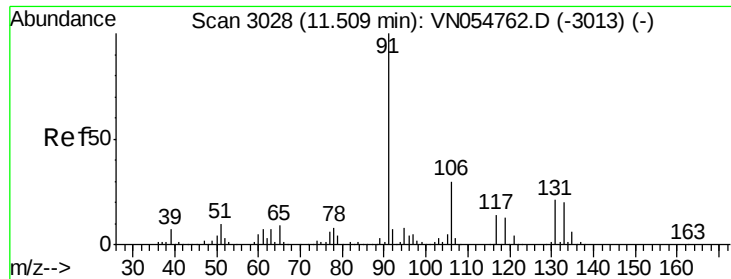


Abundance Ion 116.90 (116.60 to 117.60): VN054762.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054762.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054762.D (-2981) (-)

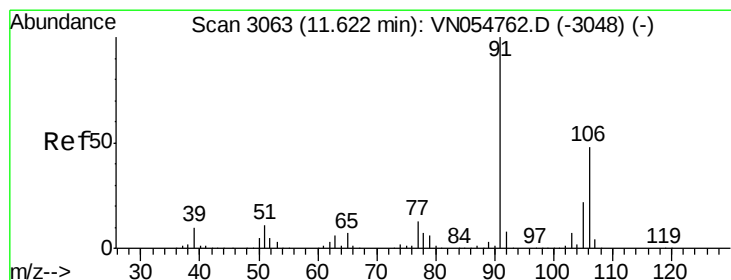
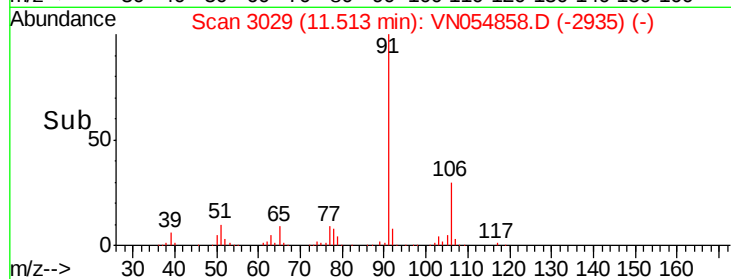
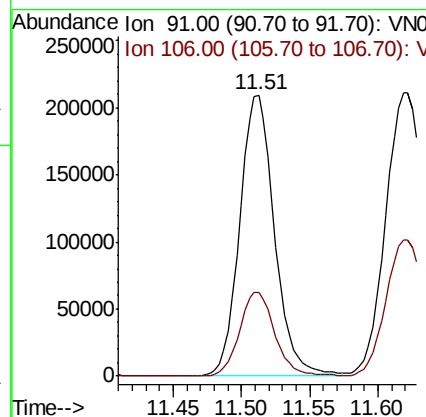
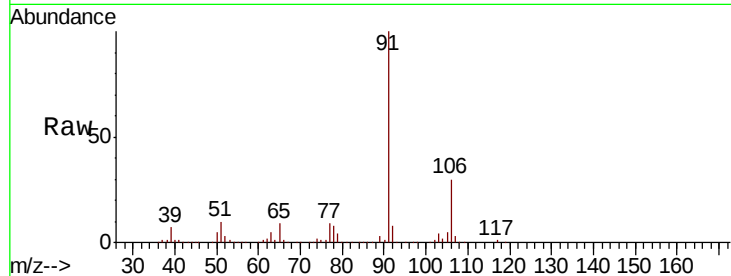




#67
Ethyl Benzene
Concen: 13.874 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

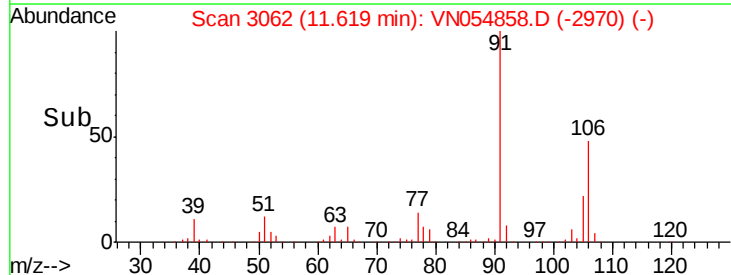
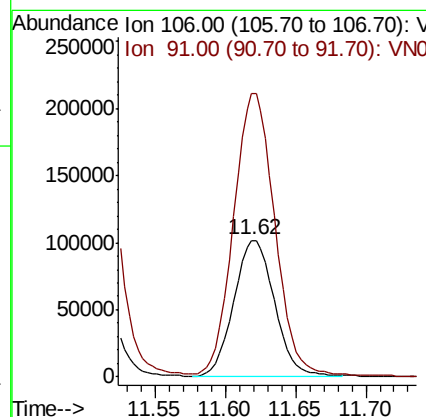
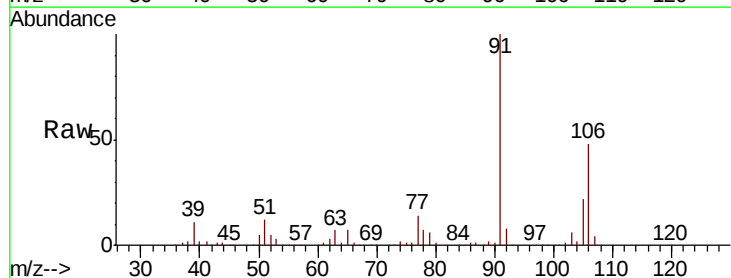
Instrument :
MSVOA_N
ClientSampled :

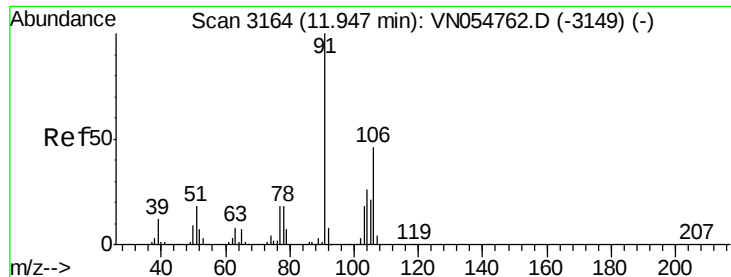
Tot Ion: 91 Resp: 371230
Ion Ratio Lower Upper
91 100
106 29.9 25.5 38.3



#68
m/p-Xylenes
Concen: 20.500 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion: 106 Resp: 202987
Ion Ratio Lower Upper
106 100
91 214.7 159.4 239.2

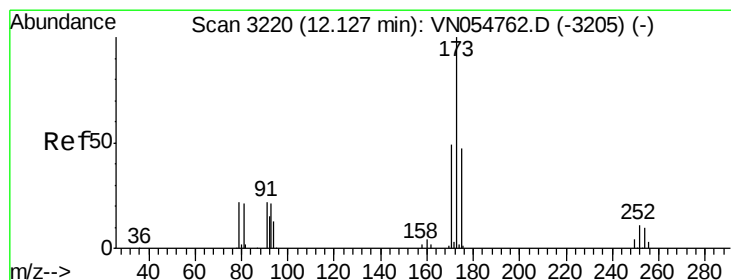
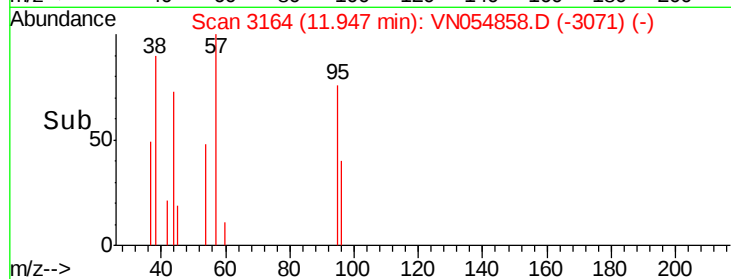
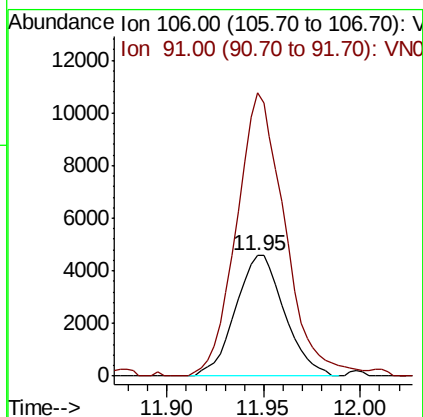
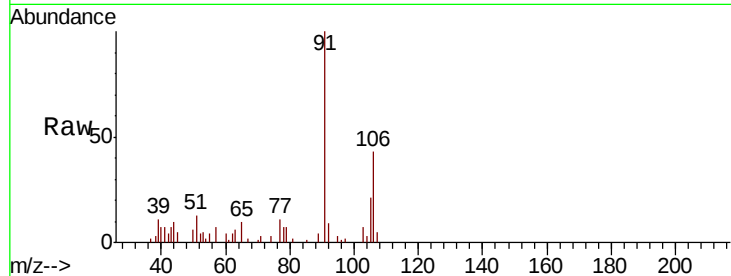




#69
o-Xylene
Concen: 0.829 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

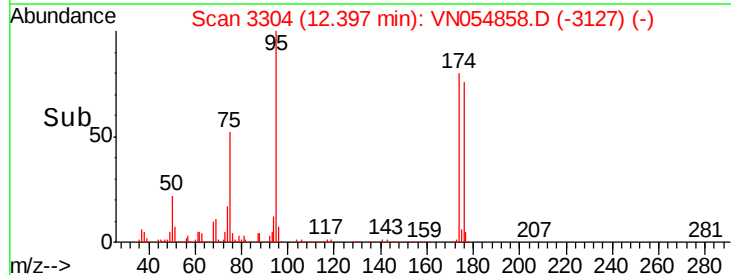
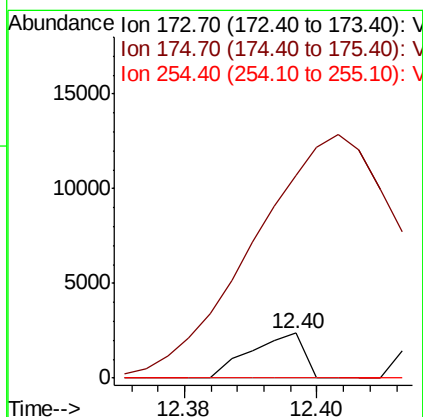
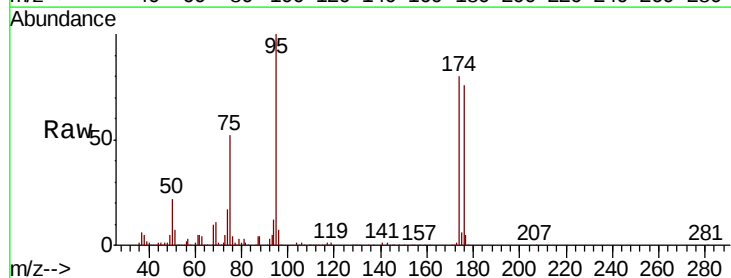
Instrument :
MSVOA_N
ClientSampled :

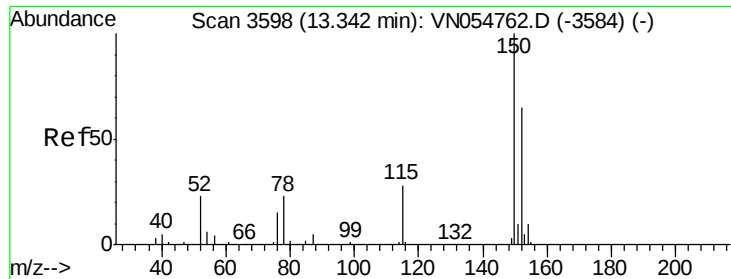
Tot Ion:106 Resp: 8054
Ion Ratio Lower Upper
106 100
91 233.0 105.7 317.1



#71
Bromoform
Concen: 0.401 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion:173 Resp: 1305
Ion Ratio Lower Upper
173 100
175 1393.0 24.4 73.2#
254 0.0 0.1 0.1#



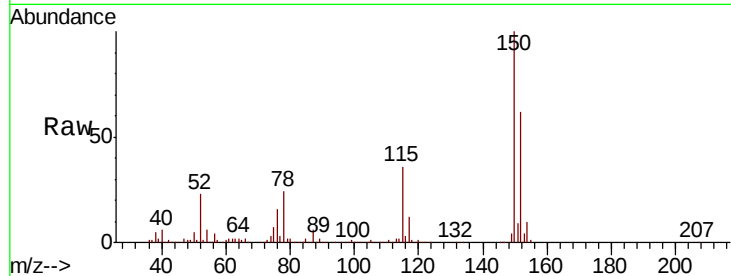


#72

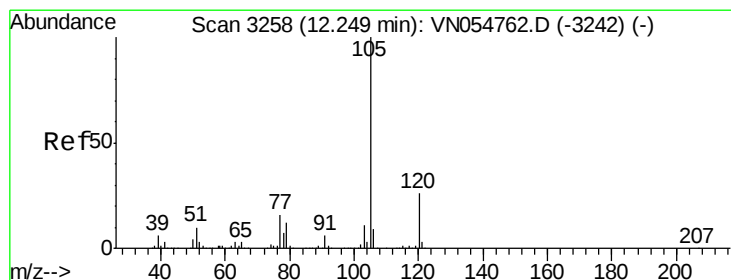
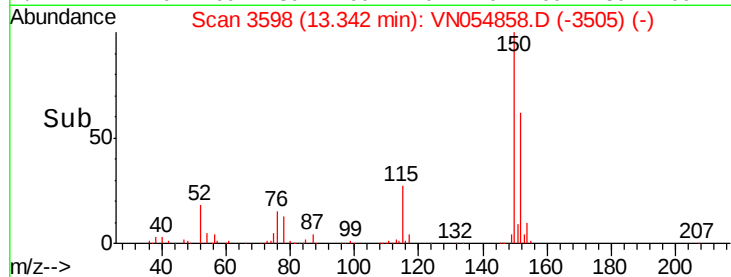
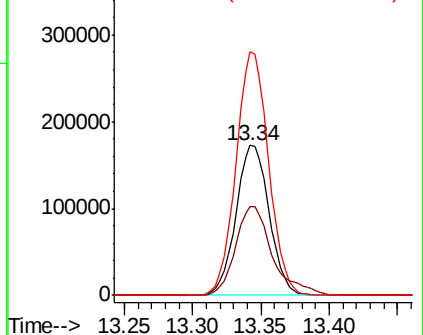
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.8	27.2	81.6
150	159.6	0.0	349.2



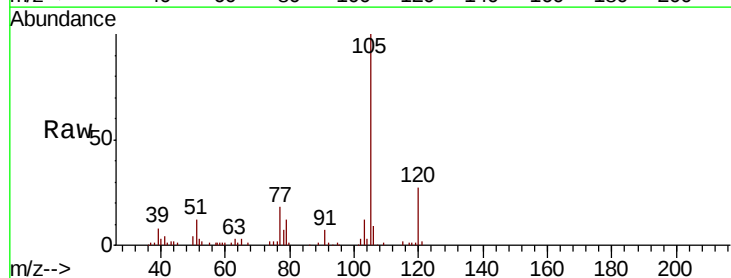
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



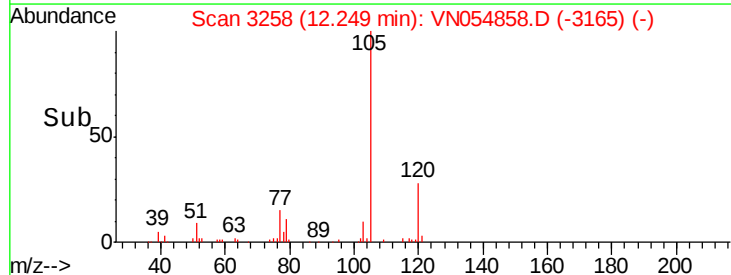
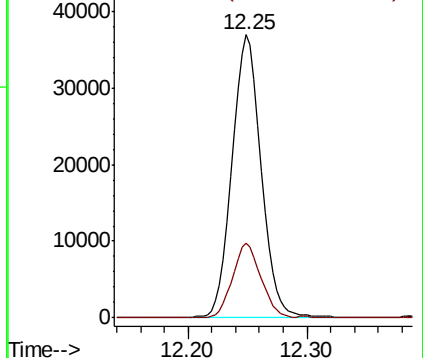
#73

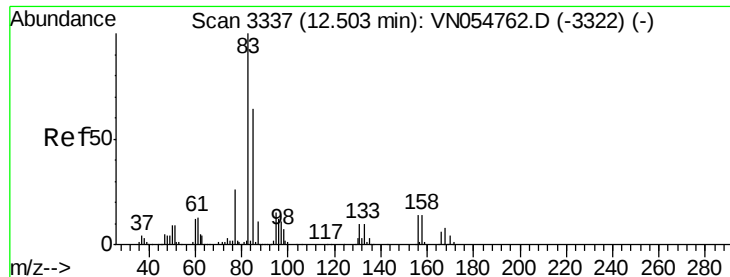
Isopropylbenzene
Concen: 2.630 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054858.D
Acq: 31 Mar 2019 18:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.8	41.3



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3331

Delta R.T. -0.02 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

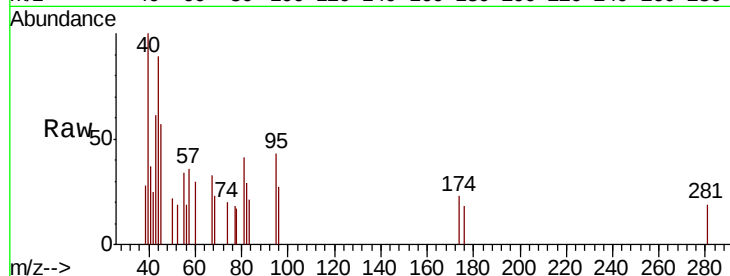
Tot Ion: 83 Resp: 67

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

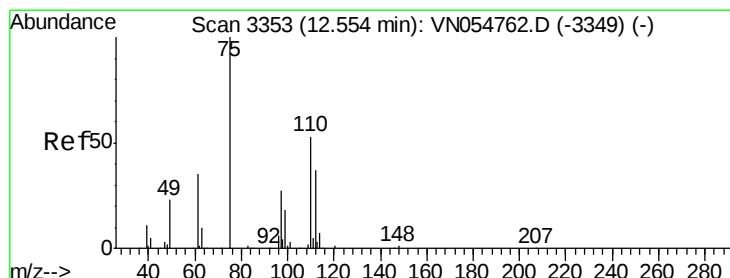
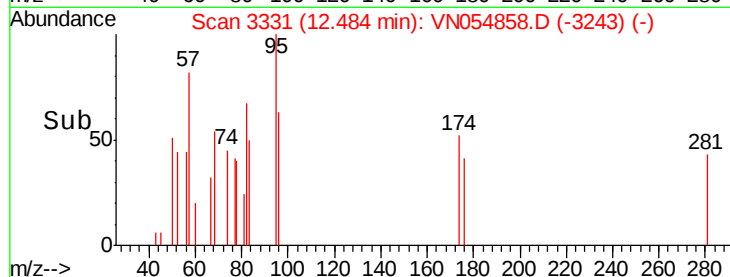
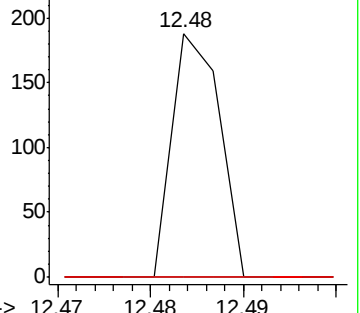
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 34.026 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054858.D

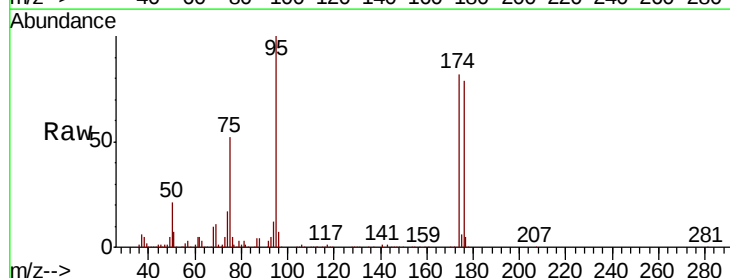
Acq: 31 Mar 2019 18:38

Tgt Ion: 75 Resp: 172083

Ion Ratio Lower Upper

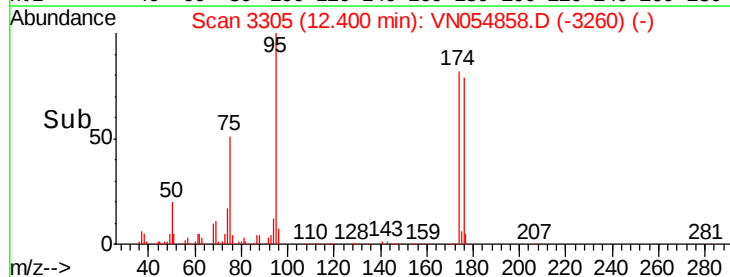
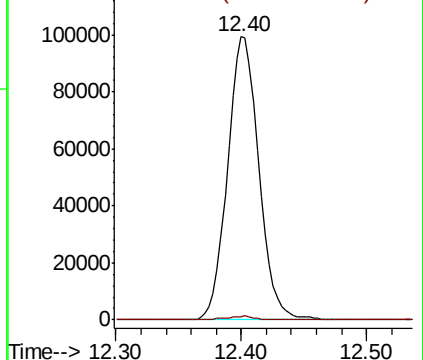
75 100

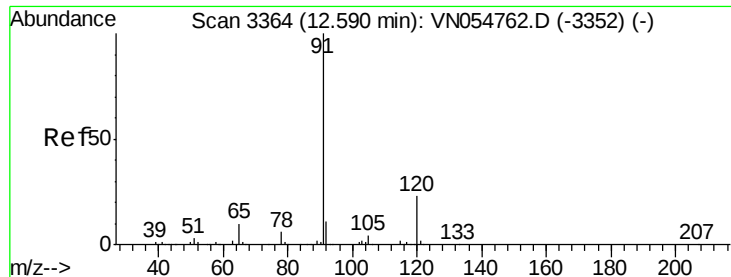
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 8.847 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

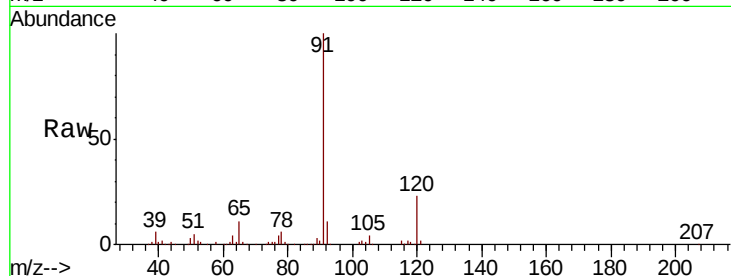
ClientSampled :

Tot Ion: 91 Resp: 231379

Ion Ratio Lower Upper

91 100

120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

150000

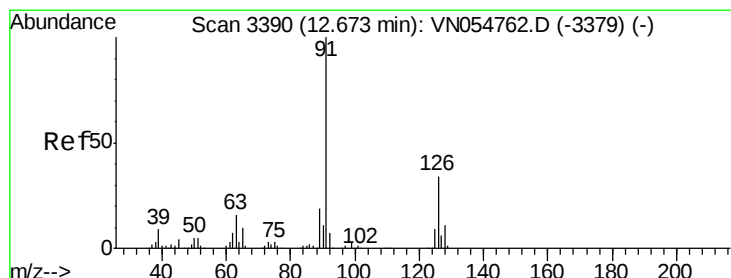
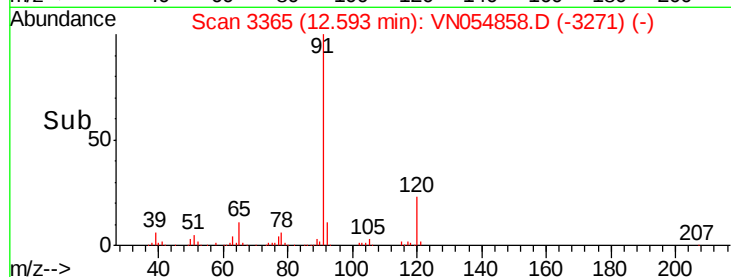
100000

50000

0

12.55 12.60 12.65

Time-->



#79

2-Chlorotoluene

Concen: 2.530 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054858.D

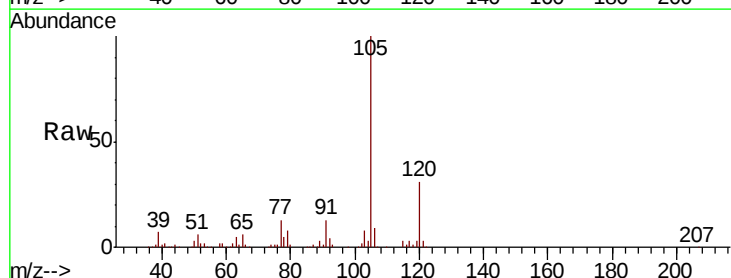
Acq: 31 Mar 2019 18:38

Tgt Ion: 91 Resp: 40931

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

80000

60000

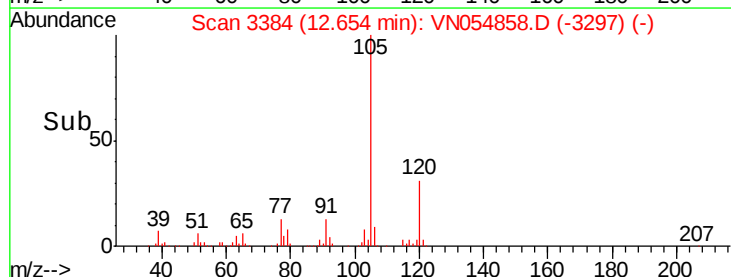
40000

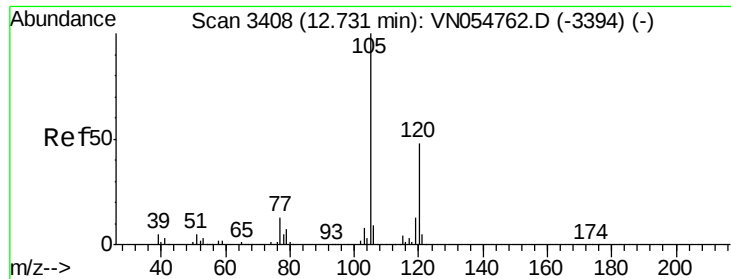
20000

0

12.65

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 17.207 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

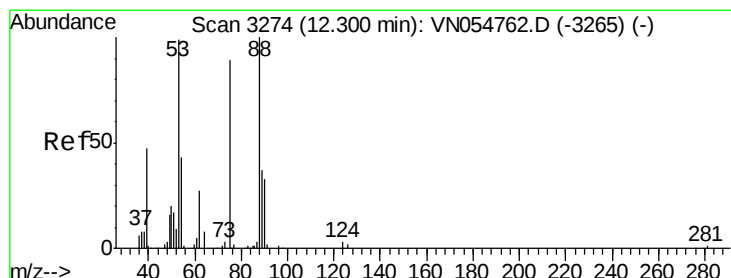
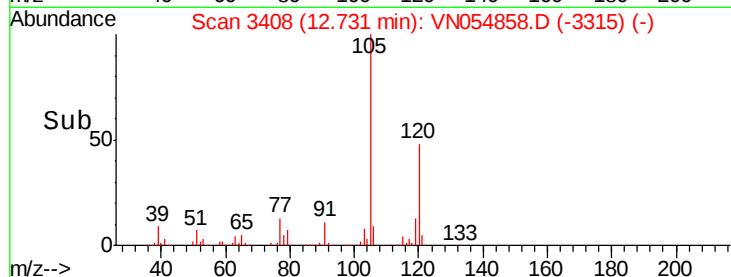
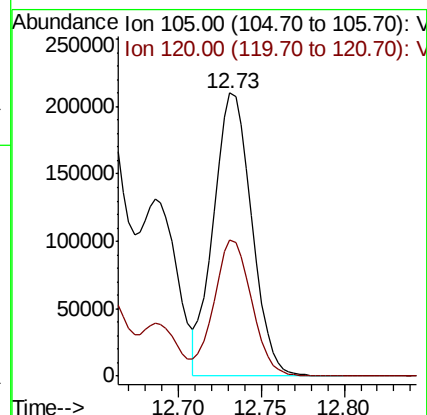
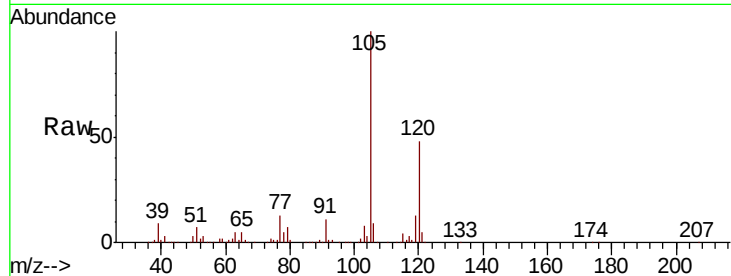
ClientSampled :

Tot Ion:105 Resp: 335948

Ion Ratio Lower Upper

105 100

120 47.4 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 132.354 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

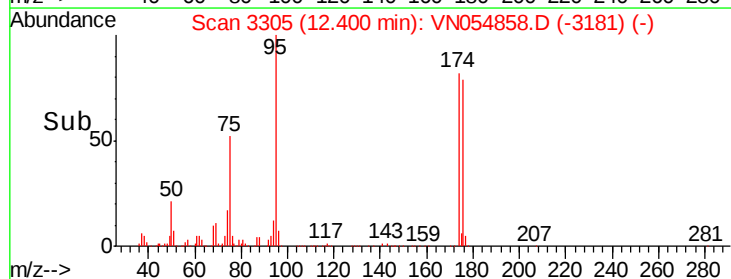
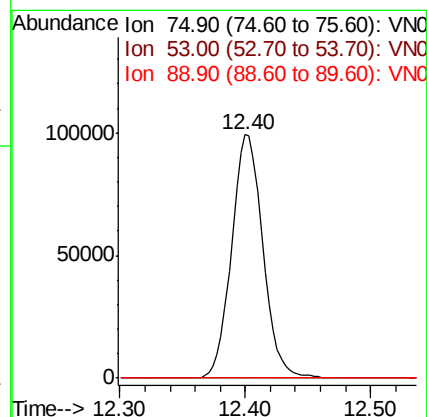
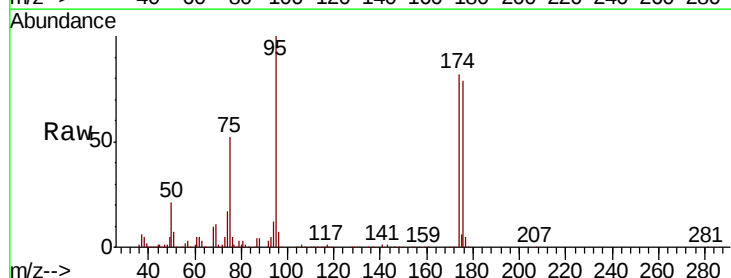
Tgt Ion: 75 Resp: 172083

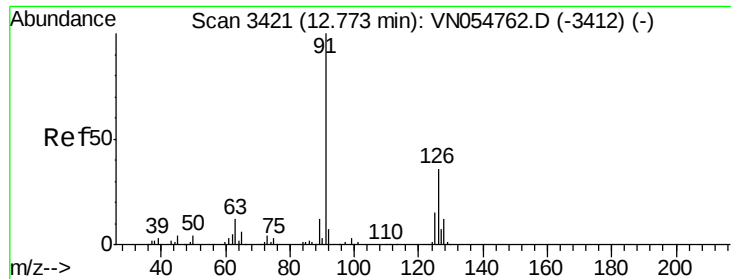
Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.0 39.2 58.8#





#82

4-Chlorotoluene

Concen: 2.327 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

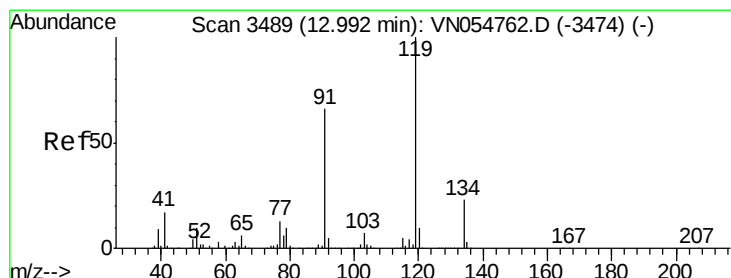
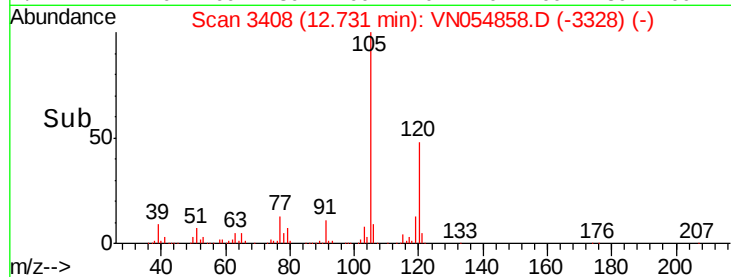
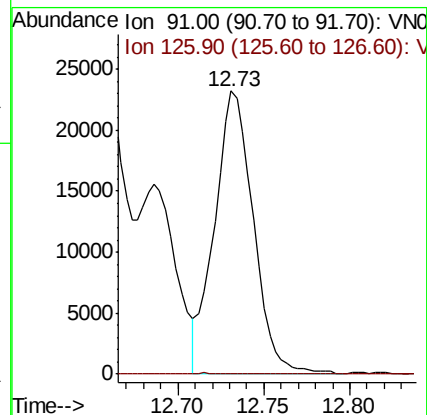
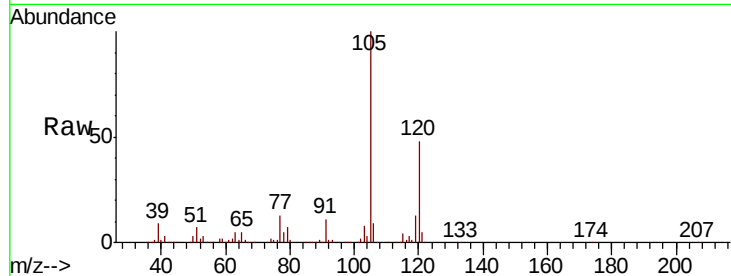
ClientSampled :

Tot Ion: 91 Resp: 36573

Ion Ratio Lower Upper

91 100

126 0.1 18.1 54.1#



#83

tert-Butylbenzene

Concen: 7.082 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

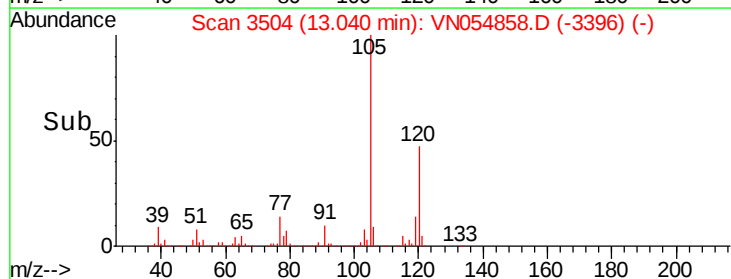
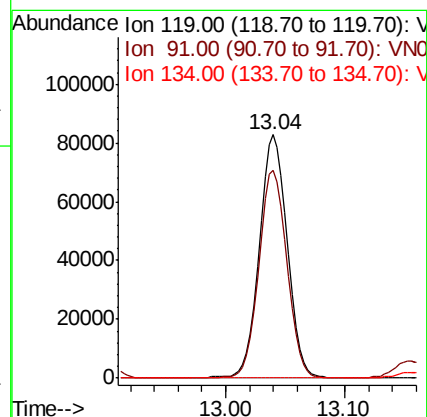
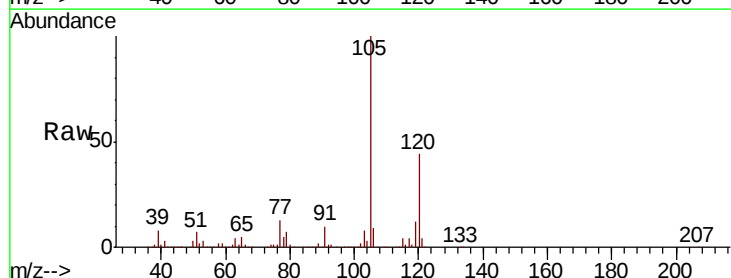
Tgt Ion: 119 Resp: 134238

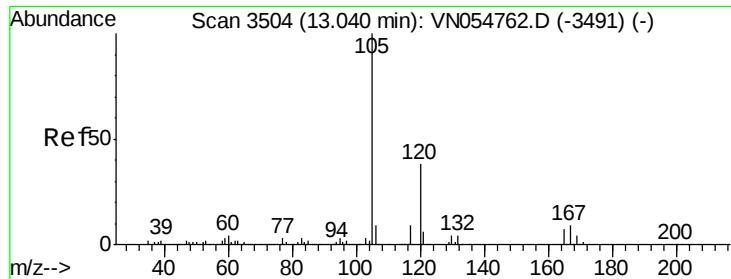
Ion Ratio Lower Upper

119 100

91 86.5 30.9 92.8

134 0.3 13.2 39.6#

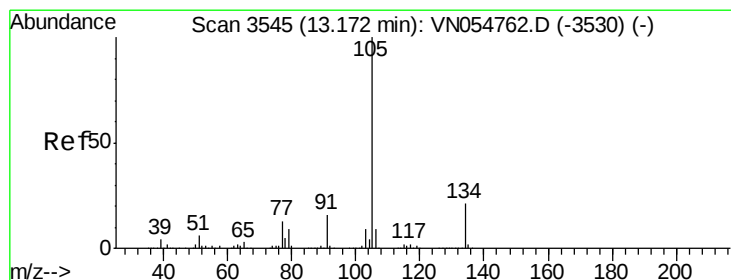
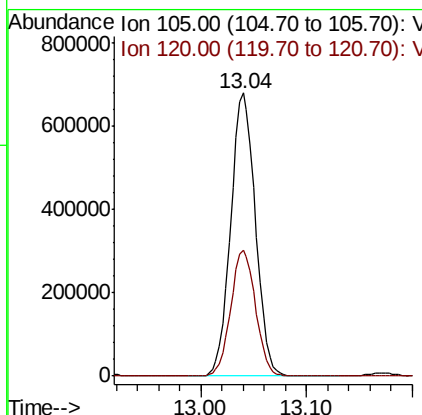
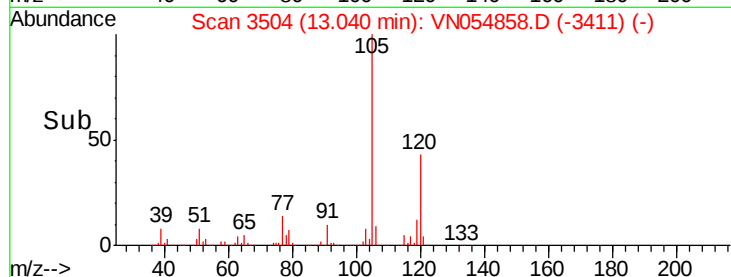
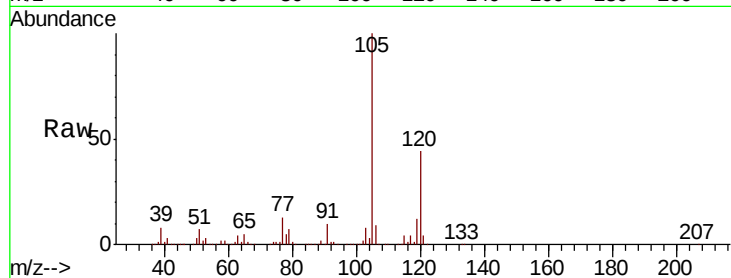




#84
 1,2,4-Trimethylbenzene
 Concen: 58.950 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

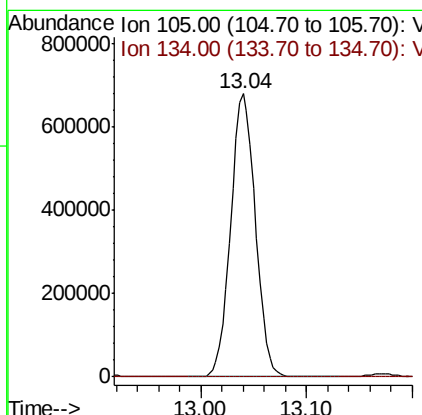
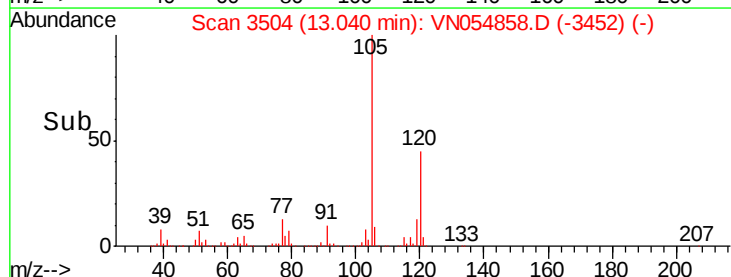
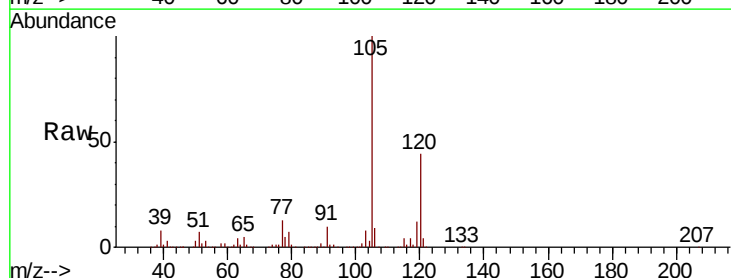
Instrument :
 MSVOA_N
 ClientSampleId :

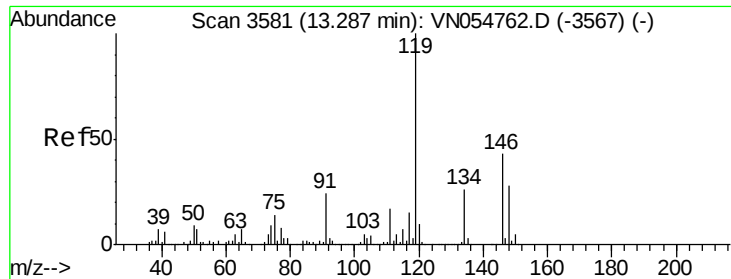
Tot Ion:105 Resp: 1096509
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 51.700 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Tgt Ion:105 Resp: 1096509
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 32.1#

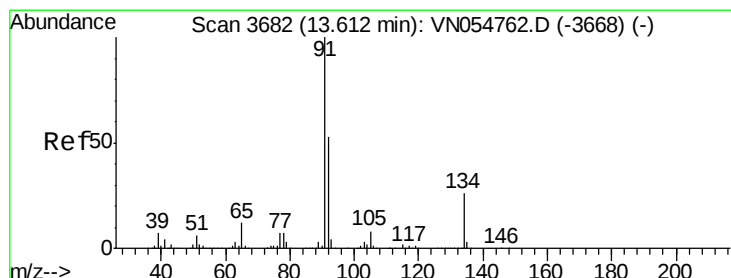
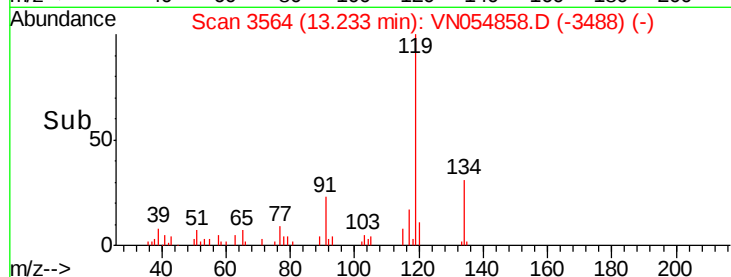
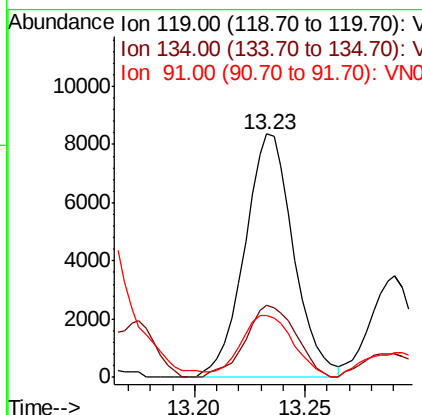
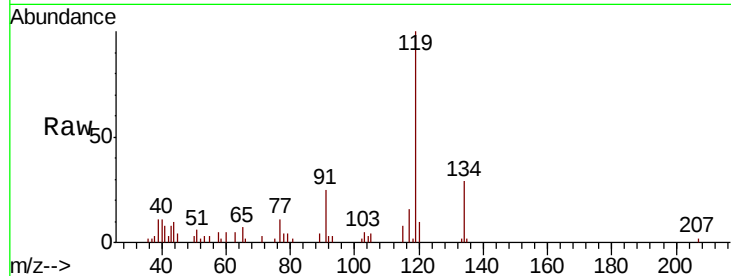




#86
 p-Isopropyltoluene
 Concen: 0.688 ug/l
 RT: 13.23 min Scan# 3564
 Delta R.T. -0.05 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

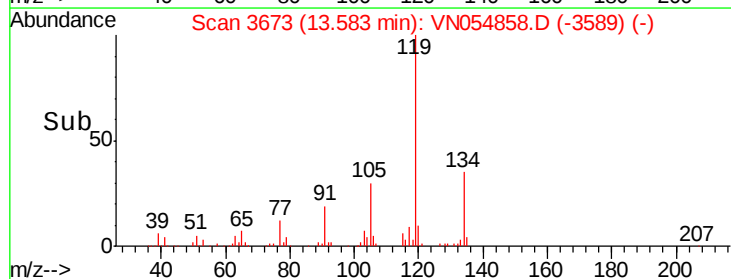
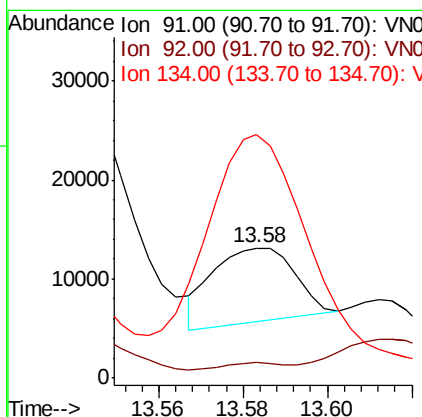
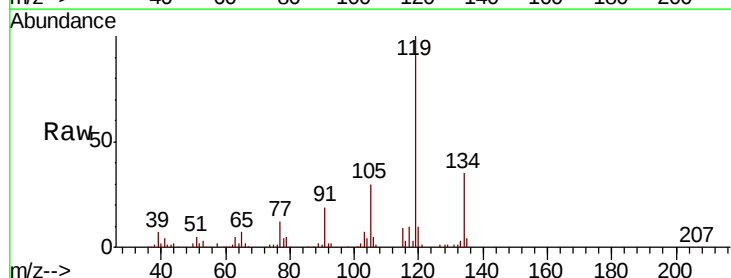
Instrument :
 MSVOA_N
 ClientSampleId :

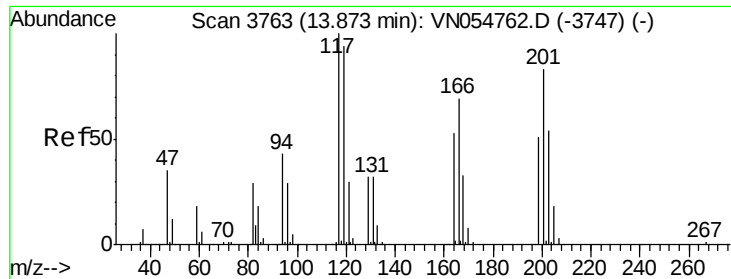
Tot Ion:119 Resp: 12879
 Ion Ratio Lower Upper
 119 100
 134 30.8 13.6 40.8
 91 27.2 11.1 33.3



#89
 n-Butylbenzene
 Concen: 0.669 ug/l
 RT: 13.58 min Scan# 3673
 Delta R.T. -0.03 min
 Lab File: VN054858.D
 Acq: 31 Mar 2019 18:38

Tgt Ion: 91 Resp: 10214
 Ion Ratio Lower Upper
 91 100
 92 18.1 26.2 78.6#
 134 442.6 14.3 42.9#





#90

Hexachloroethane

Concen: 4.541 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

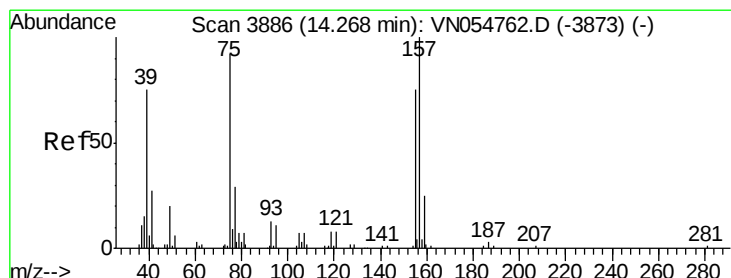
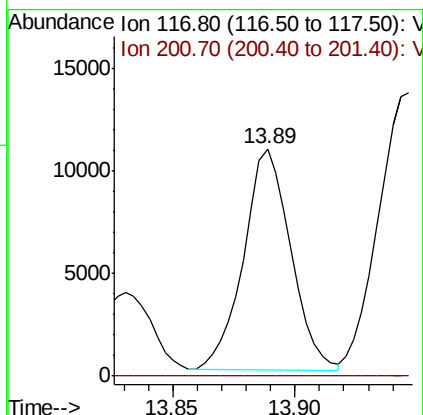
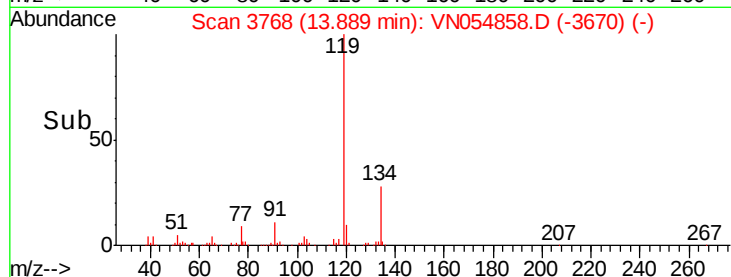
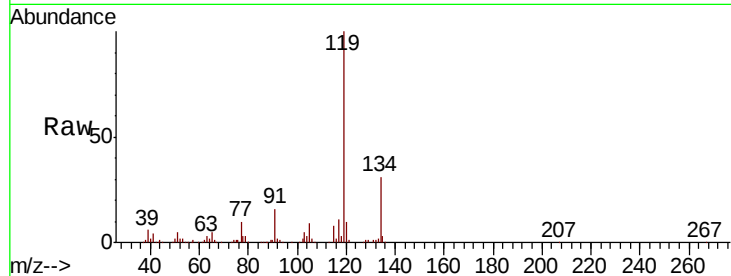
ClientSampleId :

Tot Ion:117 Resp: 14424

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.202 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

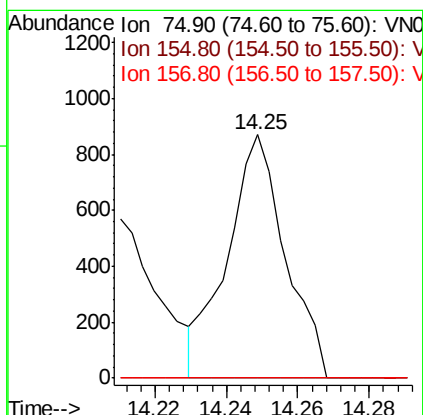
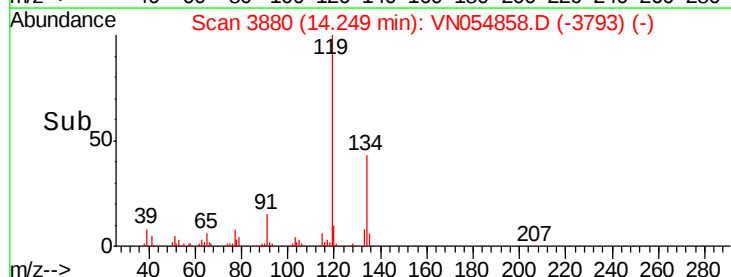
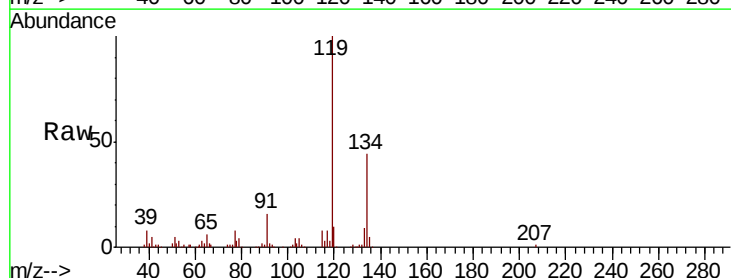
Tgt Ion: 75 Resp: 978

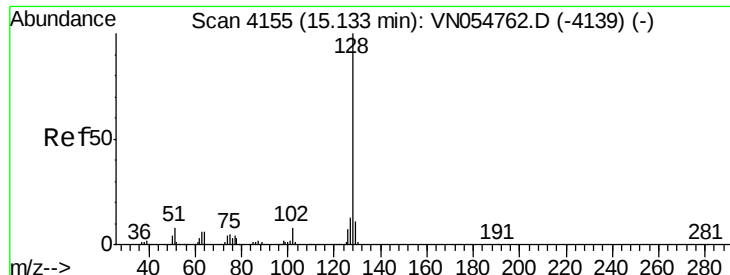
Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 0.0 63.1 189.3#





#95

Naphthalene

Concen: 6.637 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054858.D

Acq: 31 Mar 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

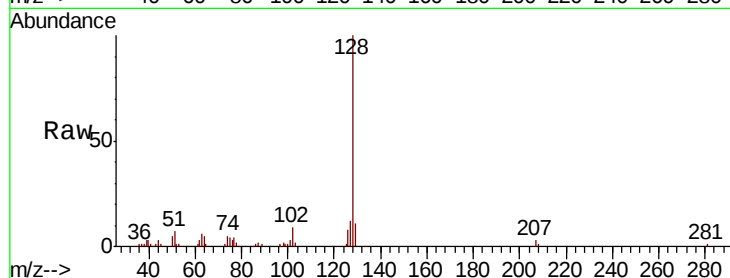
Tot Ion:128 Resp: 69636

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 11.7 8.7 13.1



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

