

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060651.D
 Acq On : 20 Mar 2020 14:40
 Operator : JC/MD
 Sample : PB127692TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:24:37 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	185457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	307173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	121149	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
35) Dibromofluoromethane	7.57	113	91613	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.08	98	382938	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.40	95	144233	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	

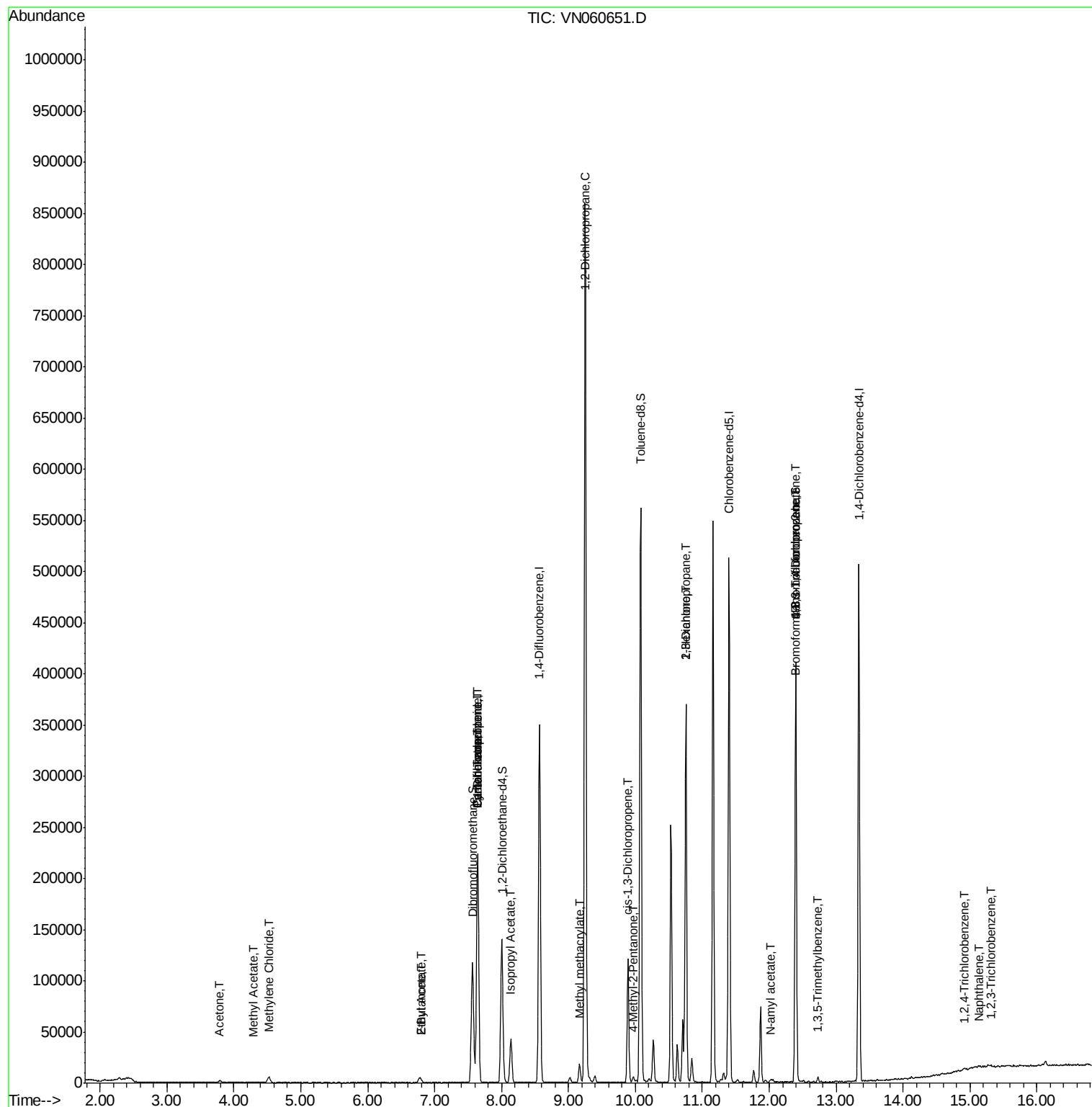
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	4217	4.676	ug/l	92
18) Methyl Acetate	4.30	43	1595	0.628	ug/l #	54
20) Methylene Chloride	4.52	84	4360	1.965	ug/l	97
25) 2-Butanone	6.81	43	1459	1.000	ug/l #	50
31) Cyclohexane	7.64	56	4034	0.984	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14505	4.877	ug/l #	49
37) Ethyl Acetate	6.81	43	1459	0.454	ug/l #	70
38) Carbon Tetrachloride	7.64	117	17290	6.486	ug/l #	17
43) Isopropyl Acetate	8.14	43	50197	9.471	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	971	0.410	ug/l #	43
48) Methyl methacrylate	9.16	41	2702	1.145	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4210	1.396	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	21510	5.735	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	3652	1.009	ug/l #	42
59) 2-Hexanone	10.75	43	55402	25.500	ug/l #	52
71) Bromoform	12.38	173	74	1.721	ug/l #	29
74) N-amyl acetate	12.02	43	2092	0.454	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	73270	25.527	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3095	0.365	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	73270	65.560	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	685	0.275	ug/l	93
95) Naphthalene	15.13	128	2190	0.292	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.31	180	602	0.245	ug/l #	73

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032020\
Data File : VN060651.D
Acq On : 20 Mar 2020 14:40
Operator : JC/MD
Sample : PB127692TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 20 23:24:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

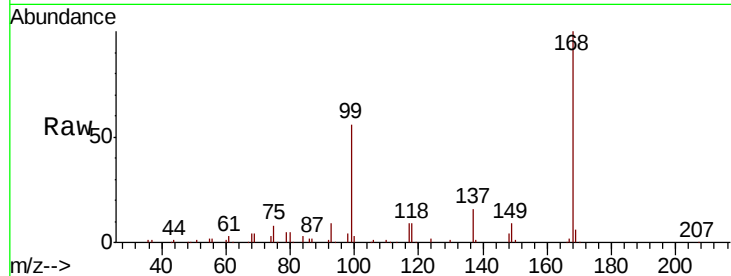
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 185457

Ion Ratio Lower Upper

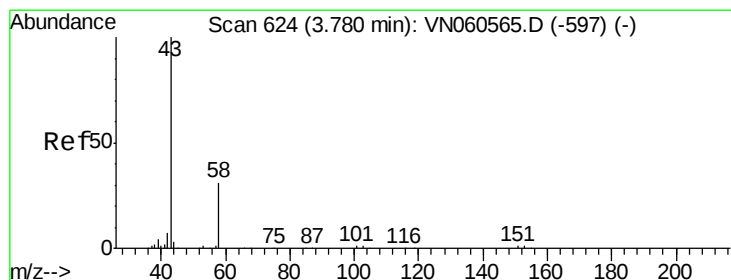
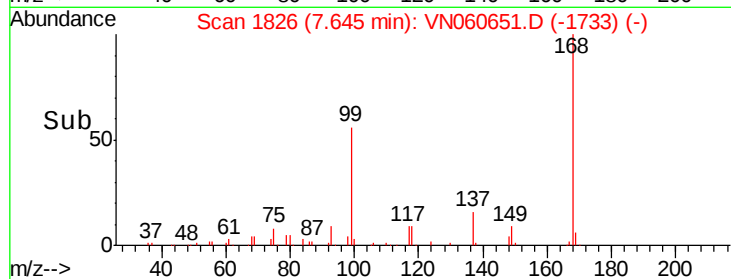
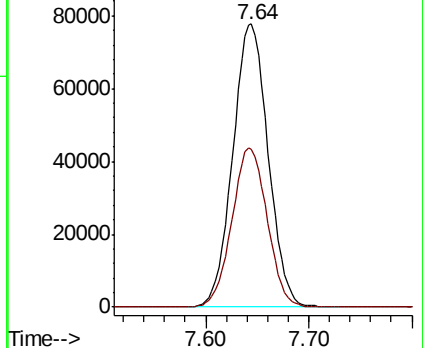
168 100

99 55.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 4.676 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060651.D

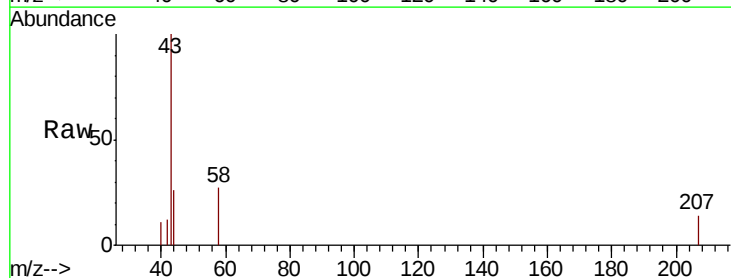
Acq: 20 Mar 2020 14:40

Tgt Ion: 43 Resp: 4217

Ion Ratio Lower Upper

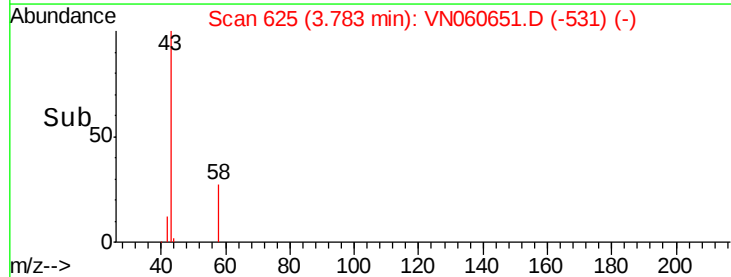
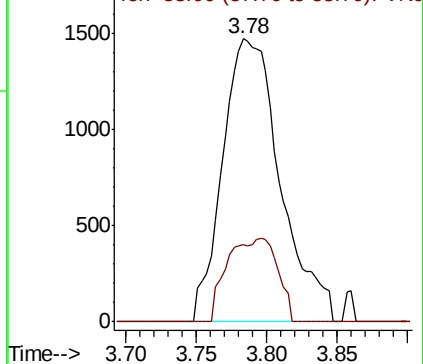
43 100

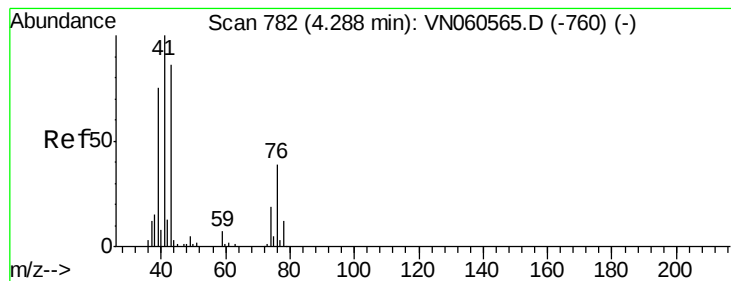
58 27.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 0.628 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

Instrument :

MSVOA_N

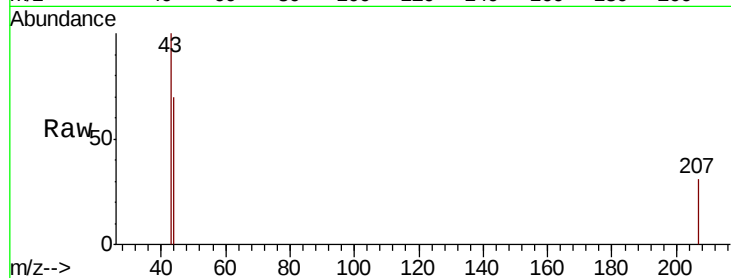
ClientSampleId :

Tot Ion: 43 Resp: 1595

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060651.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060651.D (-689) (-)

4.30

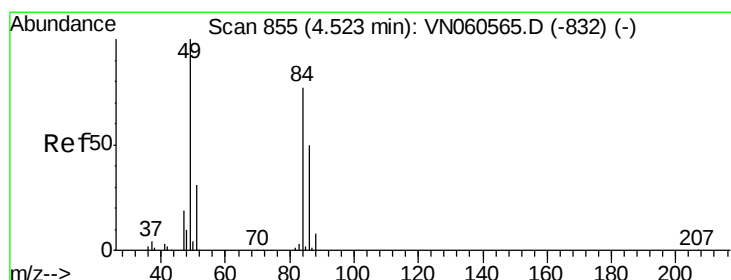
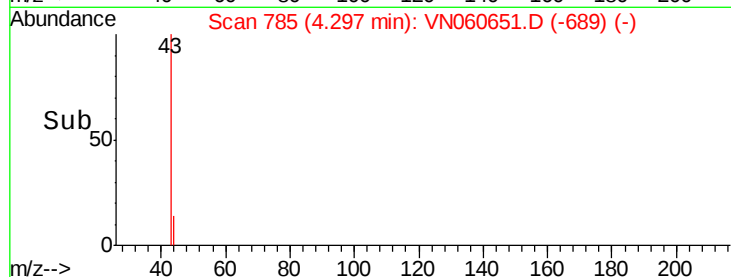
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.965 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

Tgt Ion: 84 Resp: 4360

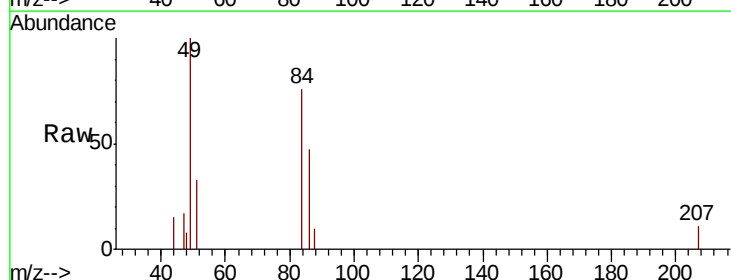
Ion Ratio Lower Upper

84 100

49 131.0 103.3 154.9

51 43.5 31.6 47.4

86 61.7 52.0 78.0



Abundance Ion 83.90 (83.60 to 84.60): VN060651.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060651.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060651.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060651.D (-762) (-)

4.52

3000

2500

2000

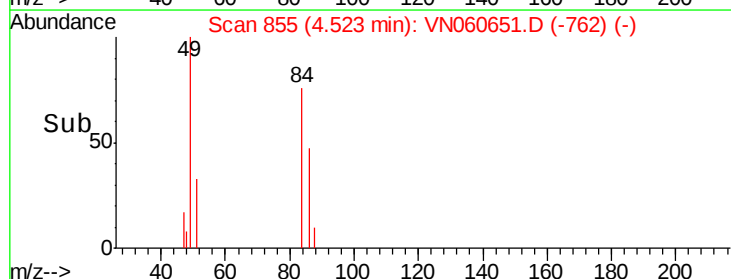
1500

1000

500

0

Time-->

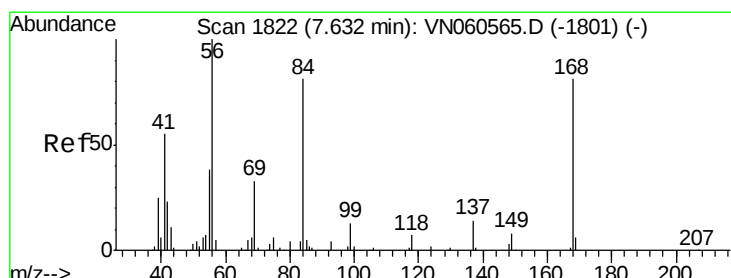
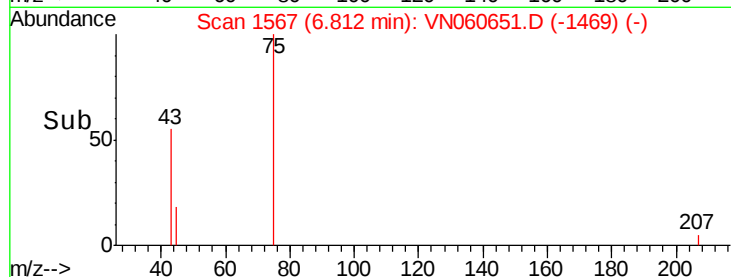
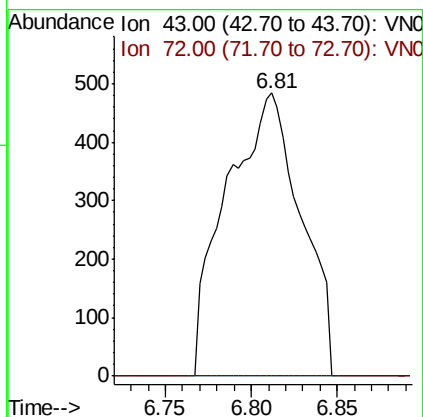
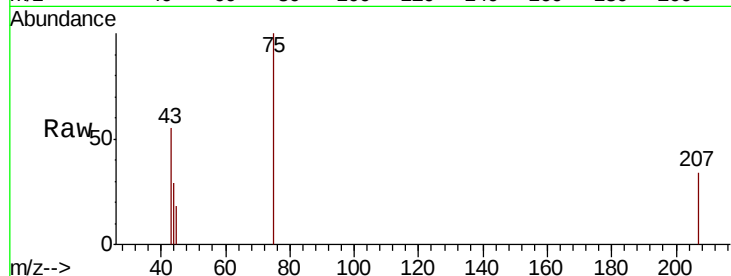




#25
2-Butanone
Concen: 1.000 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

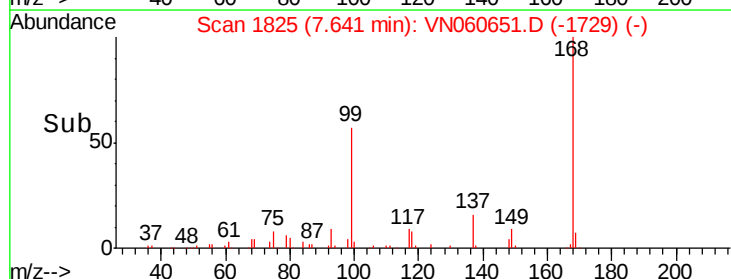
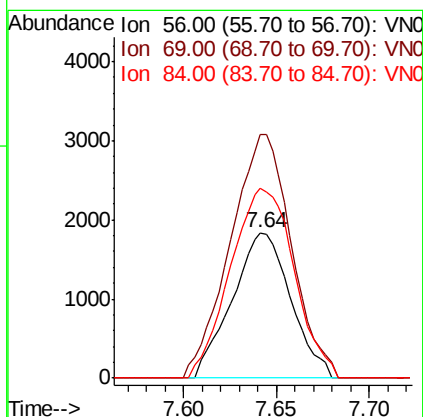
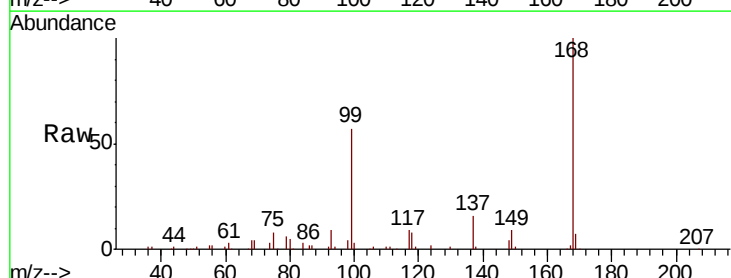
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.984 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

Tgt Ion: 56 Resp: 4034
Ion Ratio Lower Upper
56 100
69 167.1 26.6 40.0#
84 130.5 64.3 96.5#

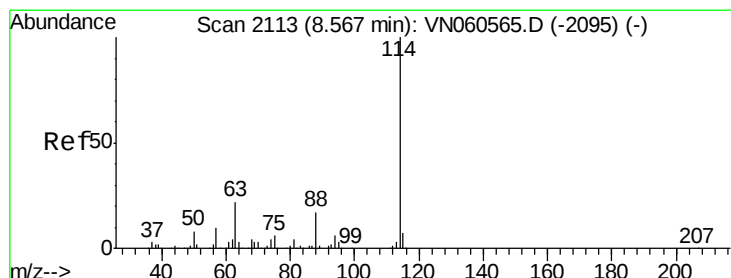
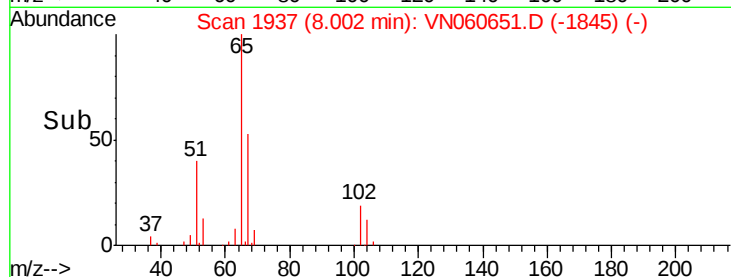
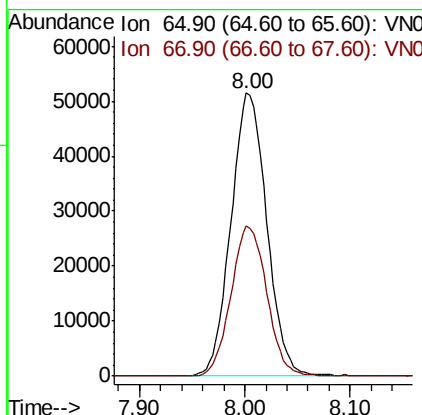
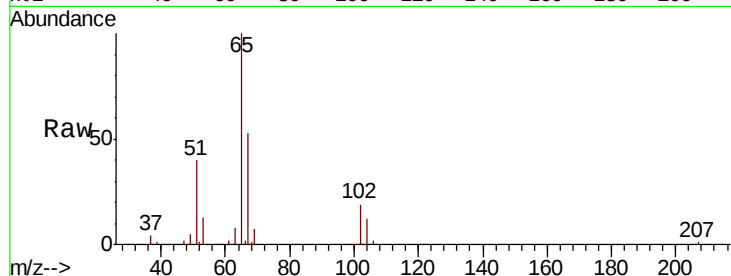




#33
 1,2-Dichloroethane-d4
 Concen: 47.586 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

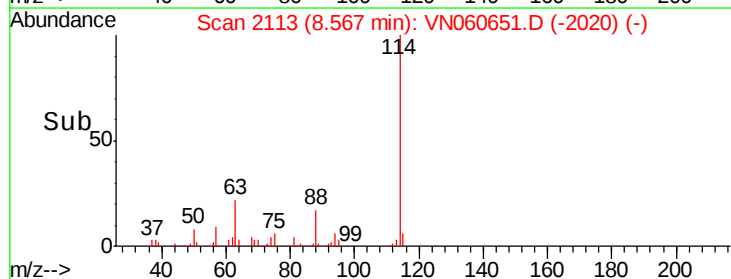
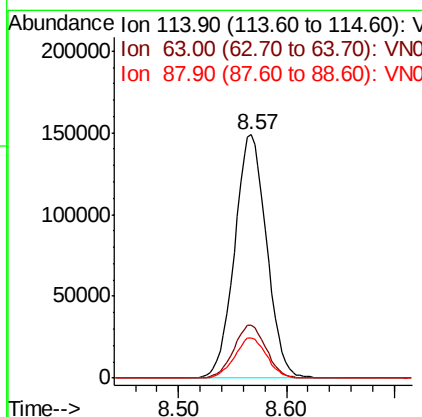
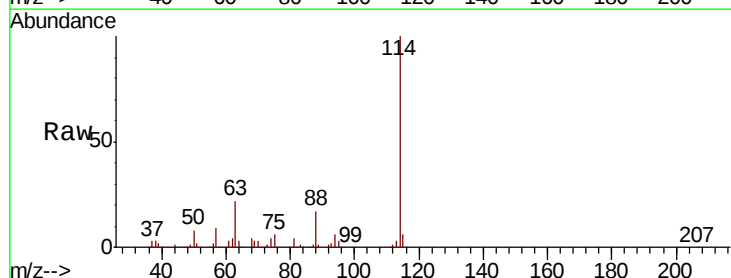
Instrument :
 MSVOA_N
 ClientSampleId :

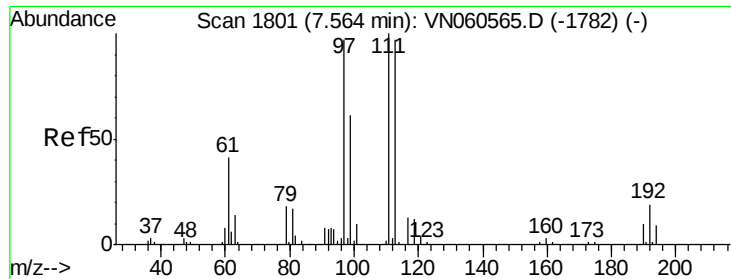
Tot Ion: 65 Resp: 121149
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

Tgt Ion: 114 Resp: 307173
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.8
 88 16.6 0.0 33.0

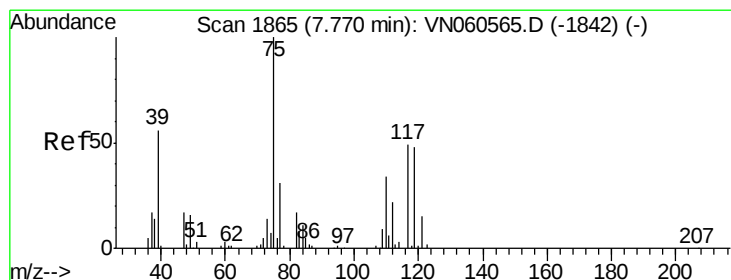
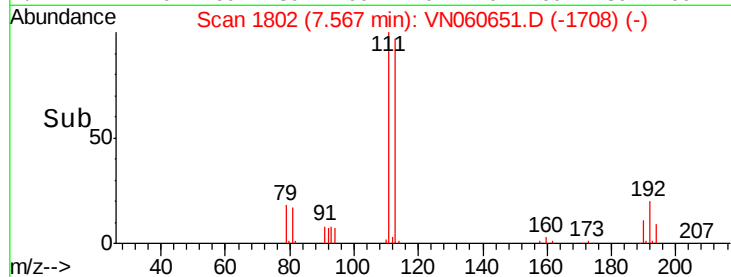
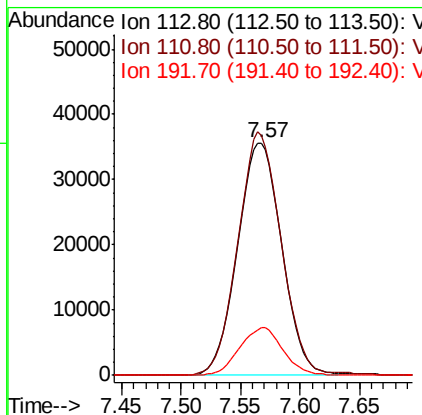
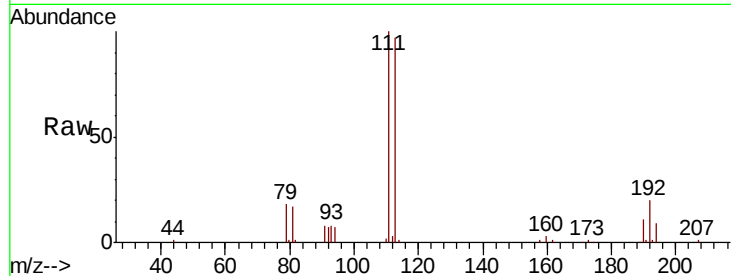




#35
 Dibromofluoromethane
 Concen: 49.324 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

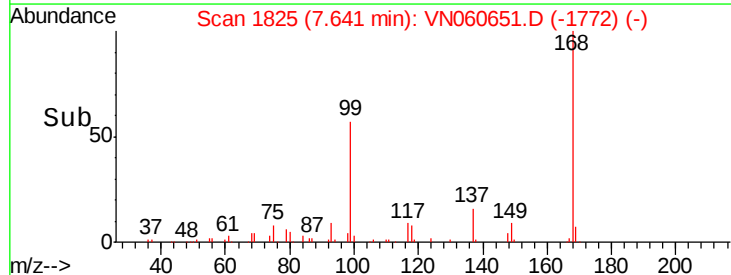
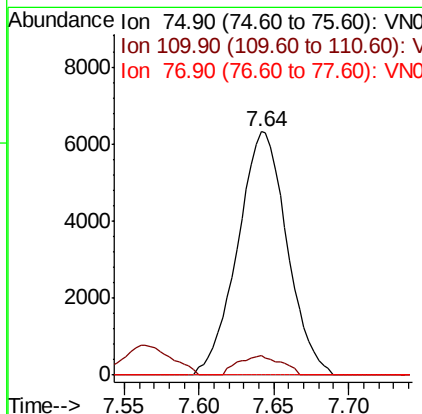
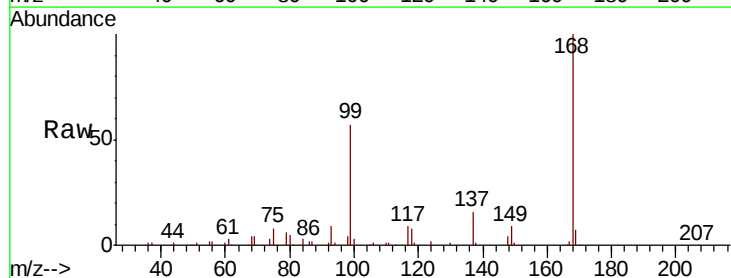
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 91613
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 20.0 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.877 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

Tgt Ion: 75 Resp: 14505
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.9 50.6#
 77 0.0 24.6 36.8#

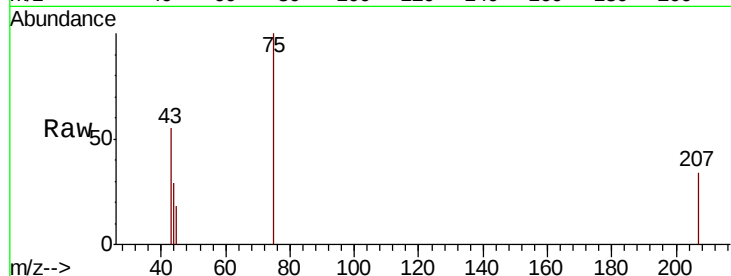




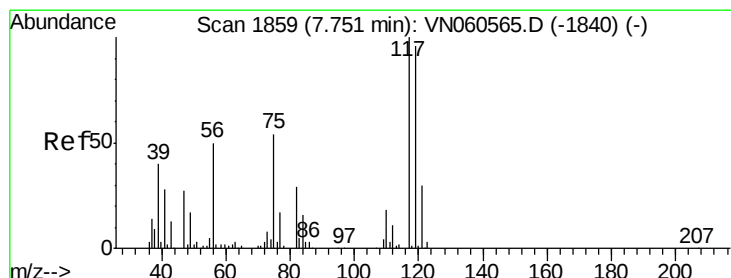
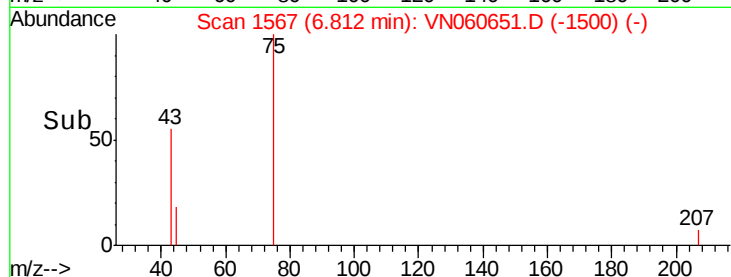
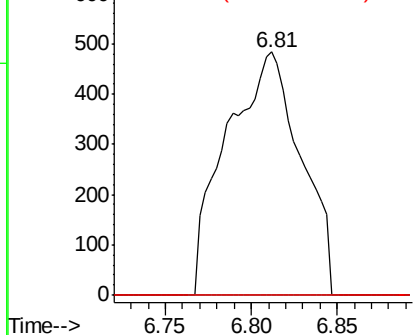
#37
Ethyl Acetate
Concen: 0.454 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1459
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#

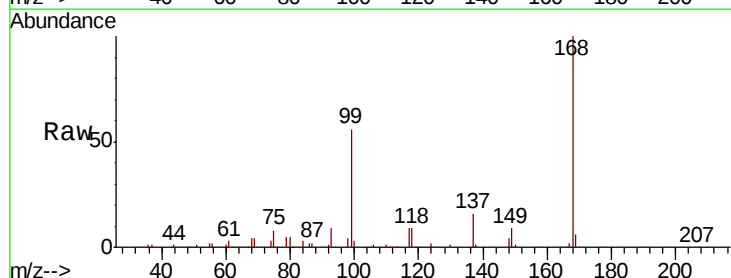


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

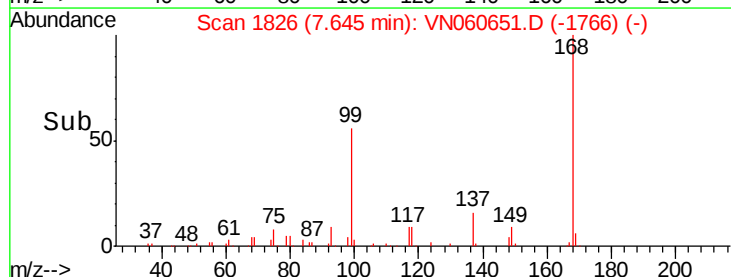
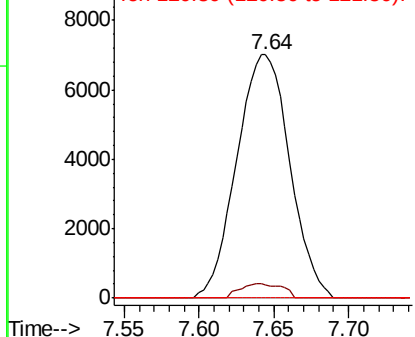


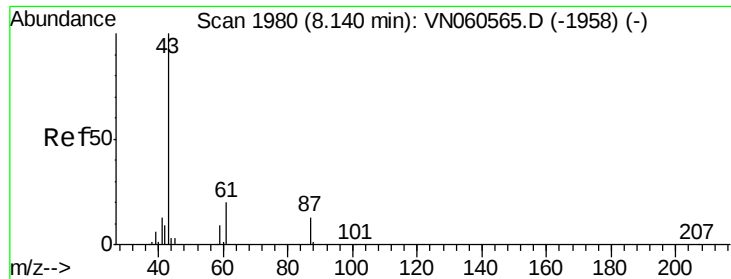
#38
Carbon Tetrachloride
Concen: 6.486 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

Tgt Ion: 117 Resp: 17290
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.2#
121 0.0 23.7 35.5#



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: 9.471 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

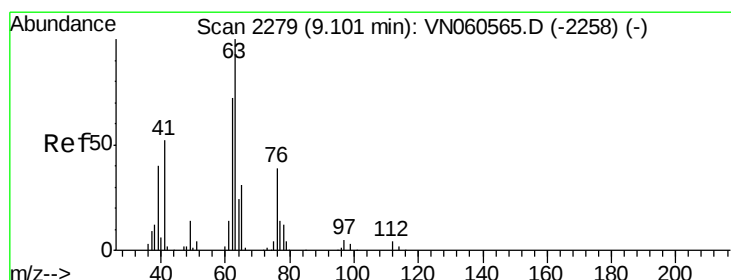
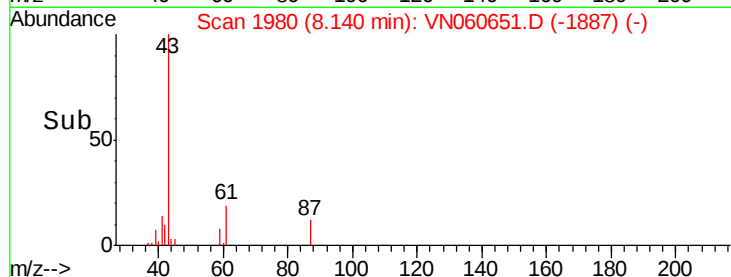
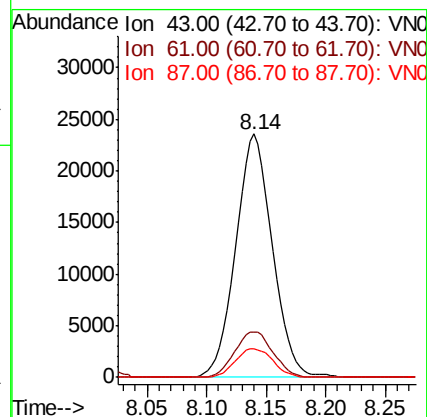
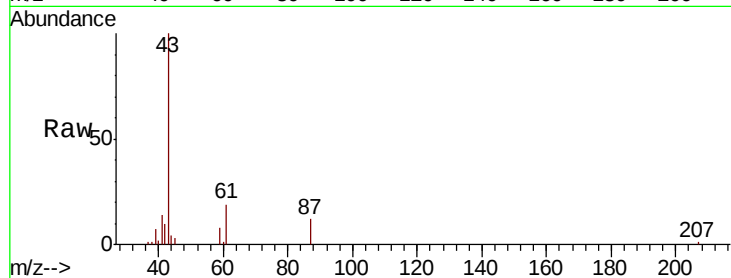
Tot Ion: 43 Resp: 50197

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

87 12.0 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.410 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060651.D

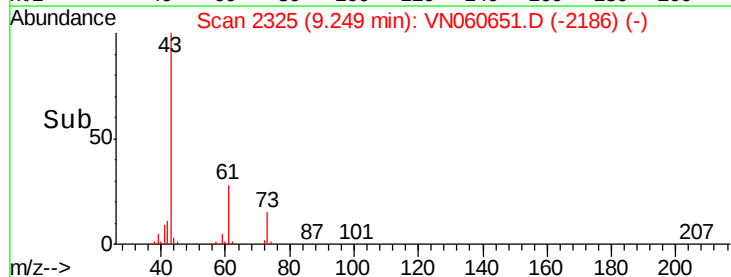
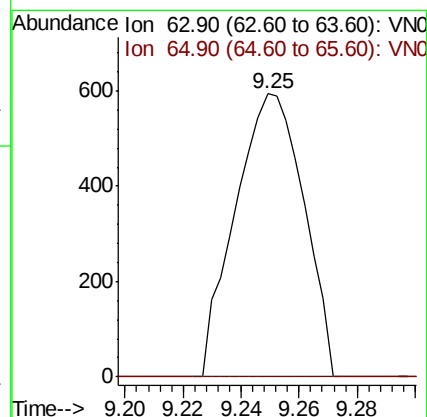
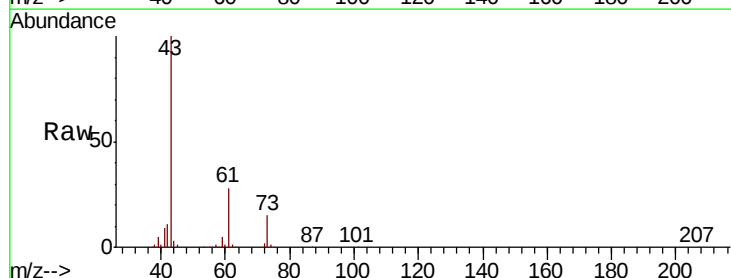
Acq: 20 Mar 2020 14:40

Tgt Ion: 63 Resp: 971

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

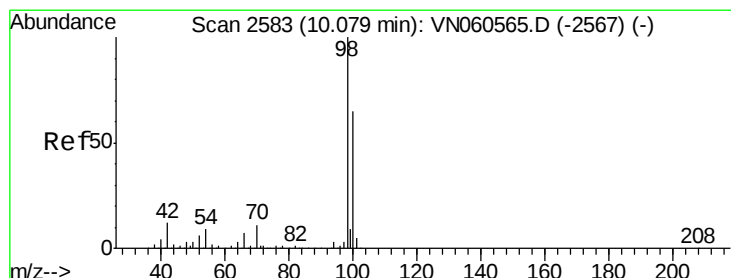
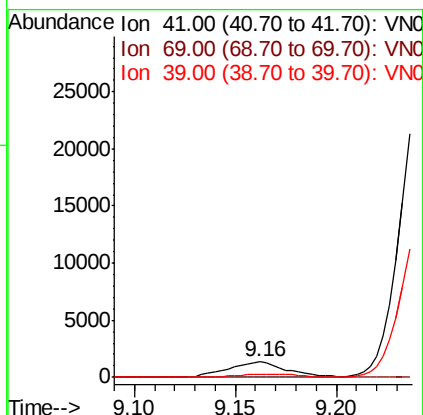
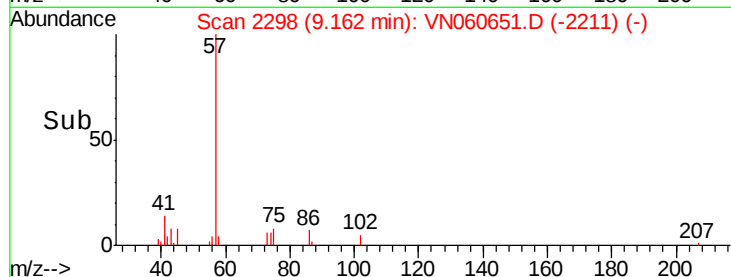
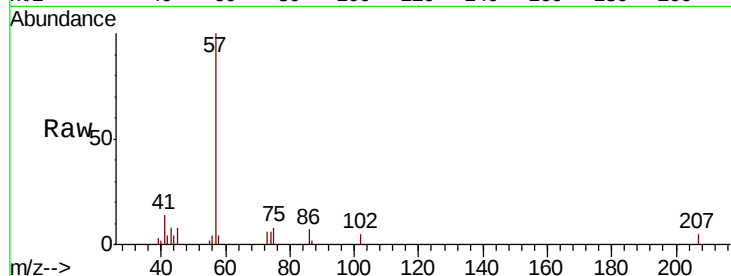




#48
Methvl methacrylate
Concen: 1.145 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

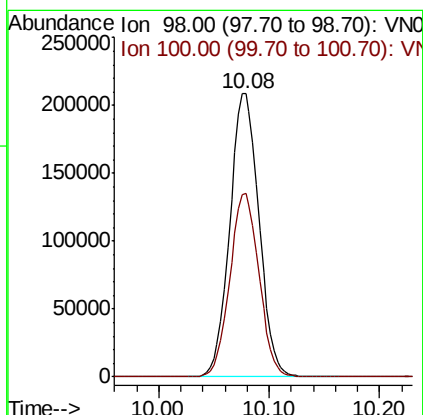
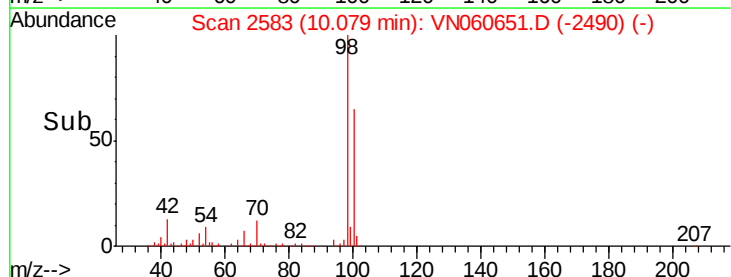
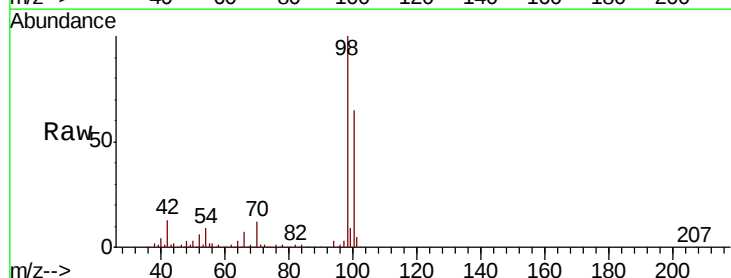
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2702
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.475 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

Tgt Ion: 98 Resp: 382938
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8

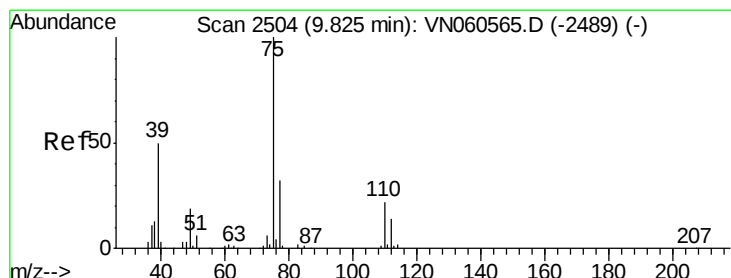
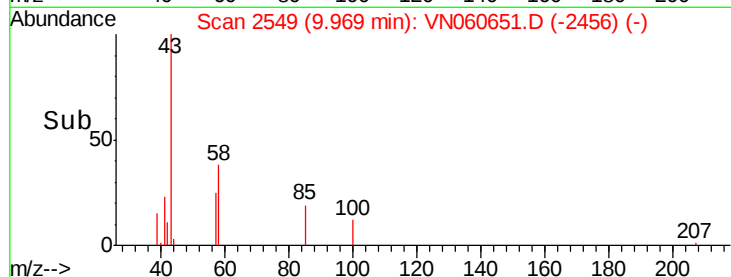
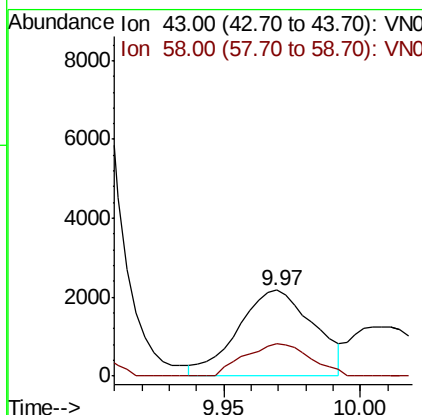
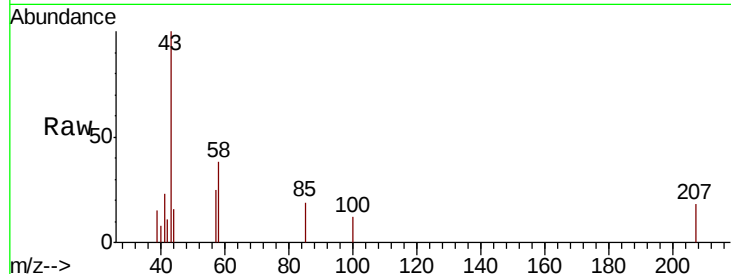




#51
4-Methyl-2-Pentanone
Concen: 1.396 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

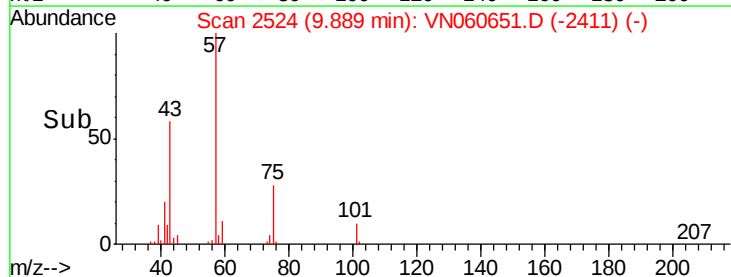
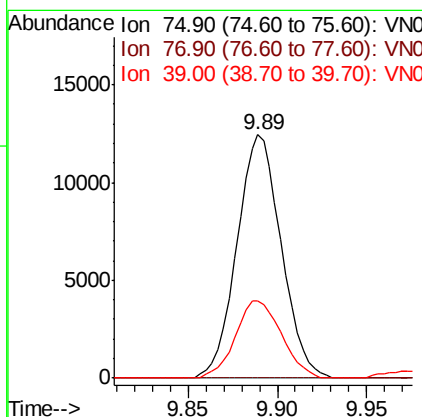
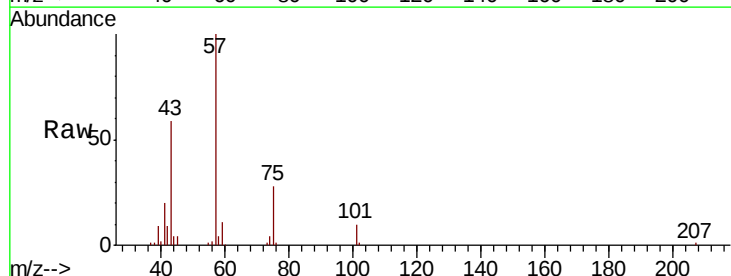
Instrument :
MSVOA_N
ClientSampled :

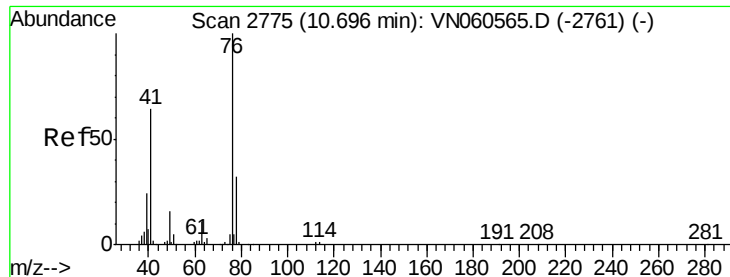
Tot Ion: 43 Resp: 4210
Ion Ratio Lower Upper
43 100
58 32.8 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 5.735 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

Tgt Ion: 75 Resp: 21510
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 31.9 40.2 60.4#

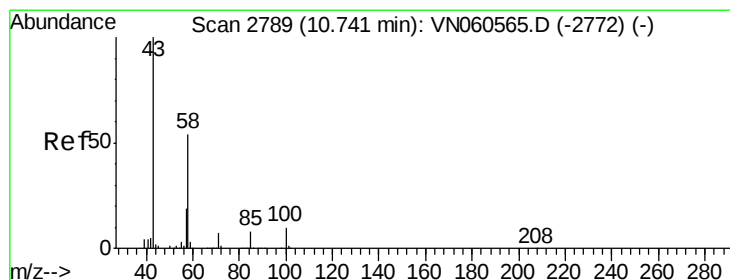
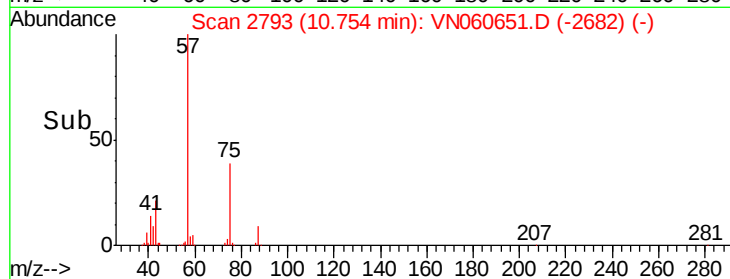
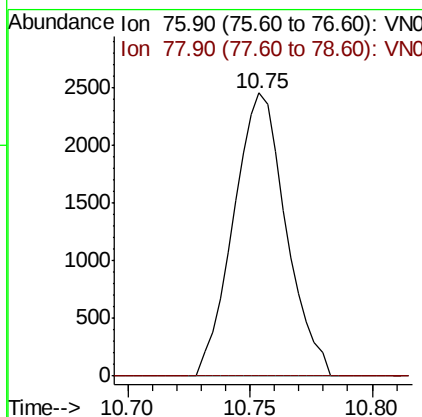
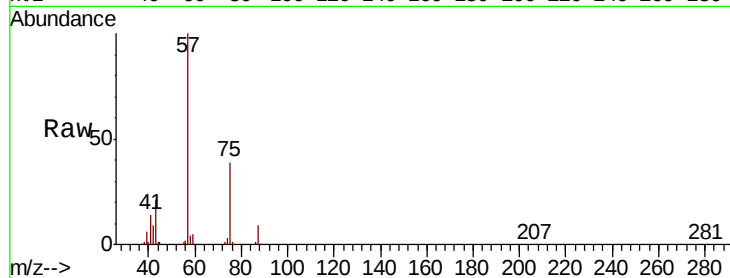




#57
 1,3-Dichloropropane
 Concen: 1.009 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

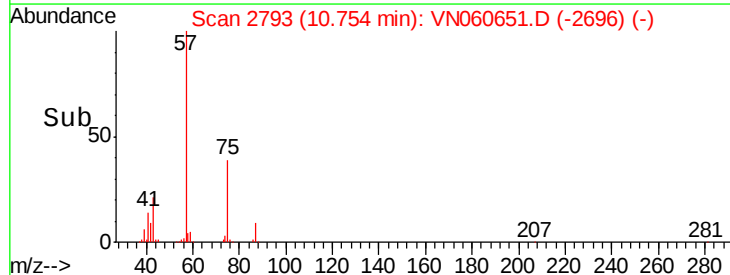
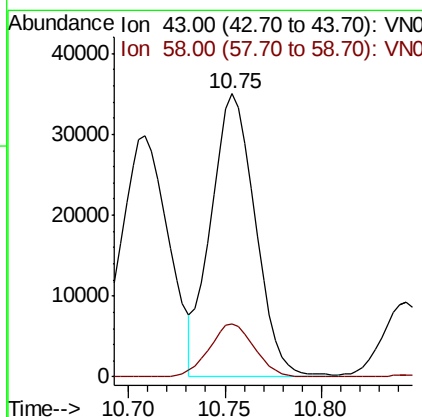
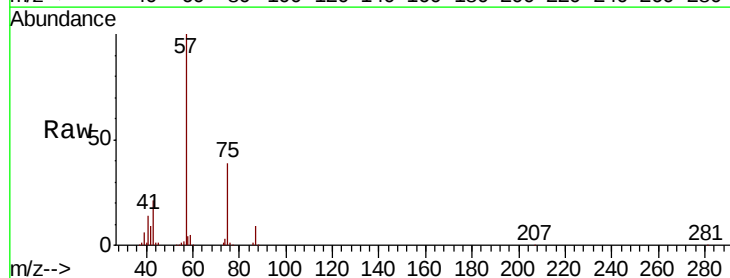
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 76 Resp: 3652
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 25.500 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

Tgt Ion: 43 Resp: 55402
 Ion Ratio Lower Upper
 43 100
 58 19.2 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.875 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

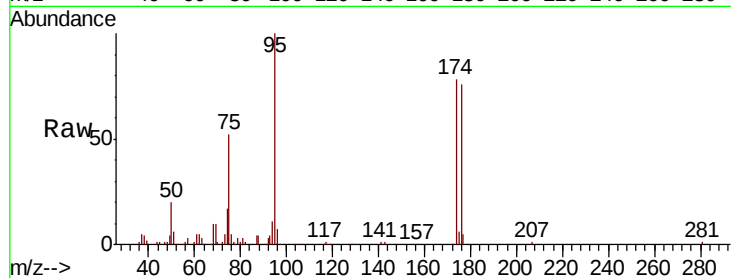
Tot Ion: 95 Resp: 144233

Ion Ratio Lower Upper

95 100

174 77.4 0.0 157.6

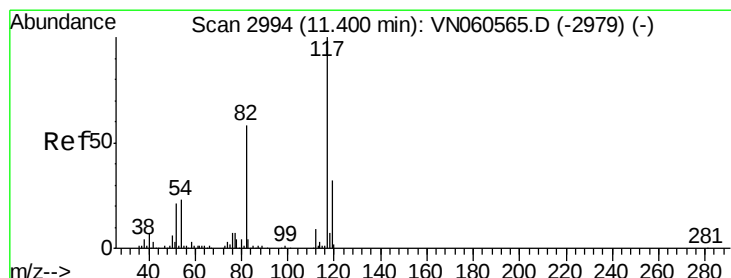
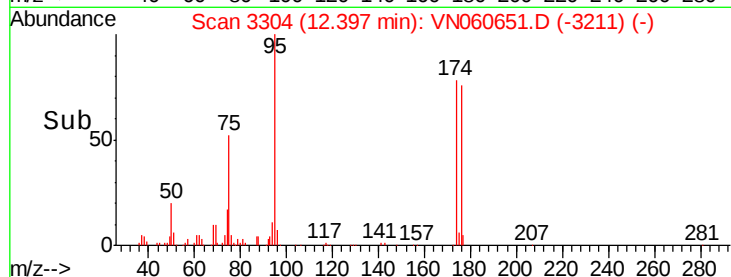
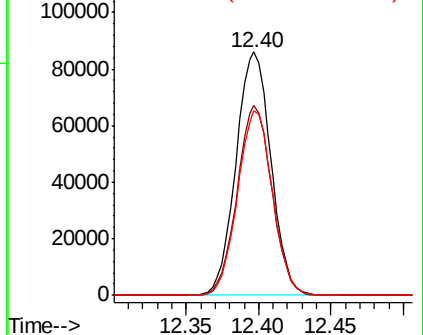
176 75.6 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060565.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060565.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060565.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

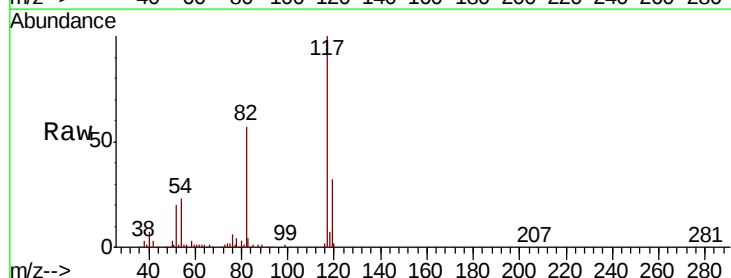
Tgt Ion: 117 Resp: 293570

Ion Ratio Lower Upper

117 100

82 57.3 46.7 70.1

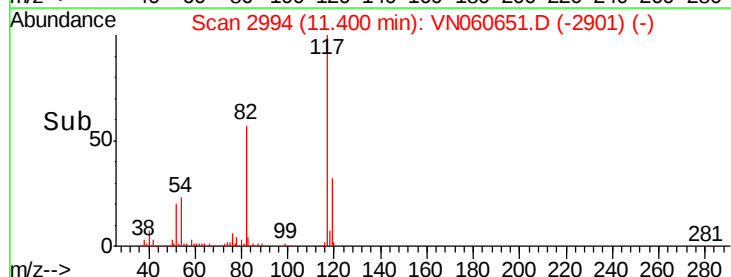
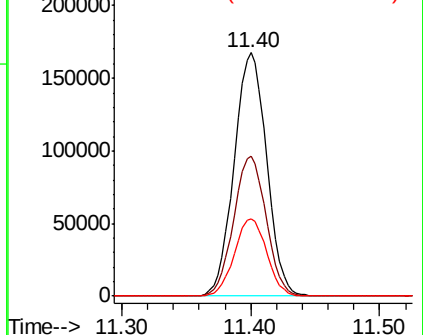
119 31.8 25.5 38.3

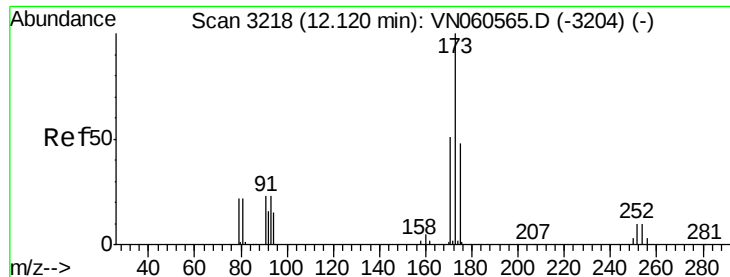


Abundance Ion 116.90 (116.60 to 117.60): VN060565.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060565.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060565.D (-2979) (-)

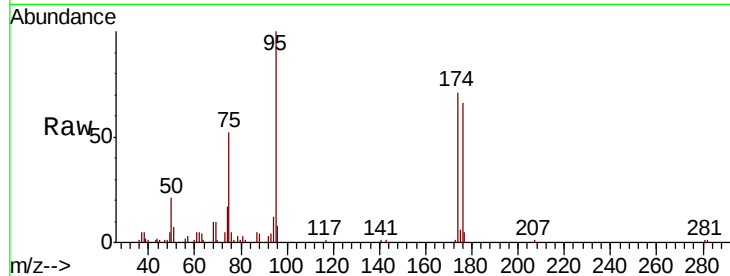




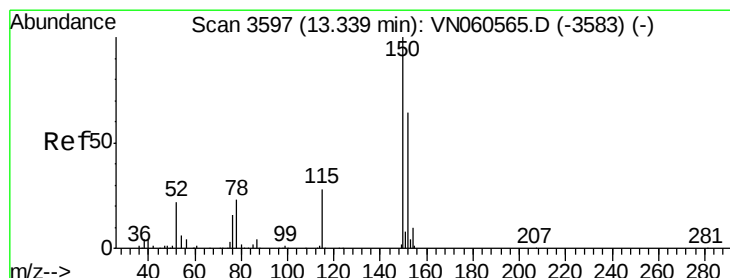
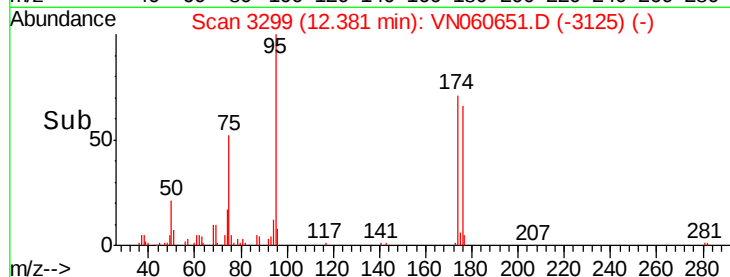
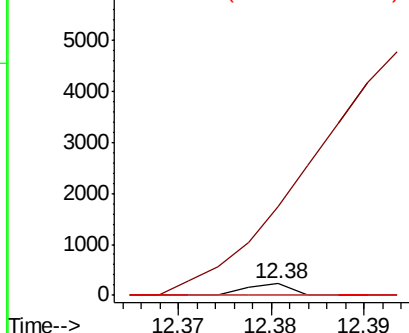
#71
Bromoform
Concen: 1.721 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.26 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 74
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0

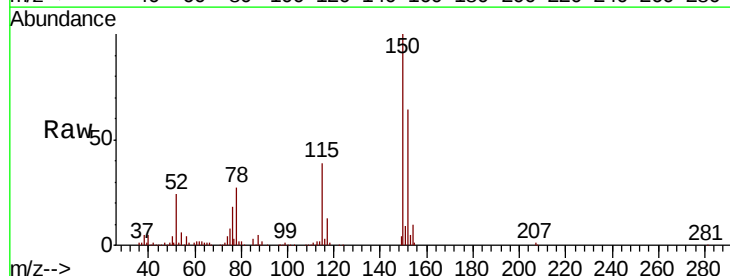


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

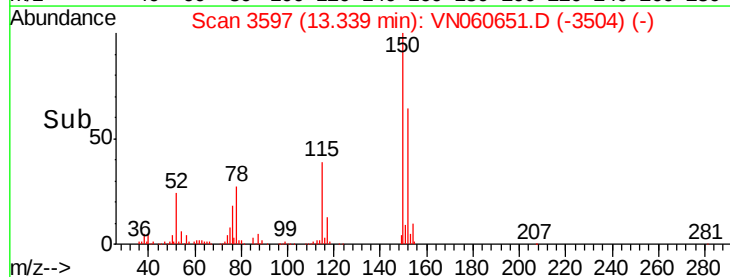
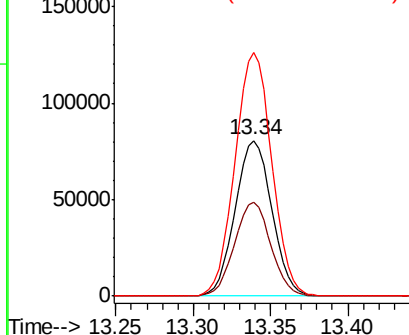


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060651.D
Acq: 20 Mar 2020 14:40

Tgt Ion:152 Resp: 133022
Ion Ratio Lower Upper
152 100
115 59.8 30.2 90.6
150 156.6 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





#74

N-amvl acetate

Concen: 0.454 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2092

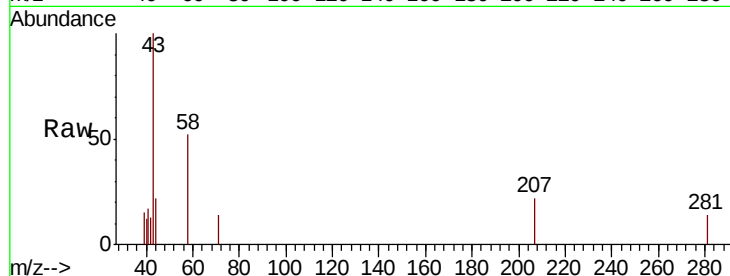
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

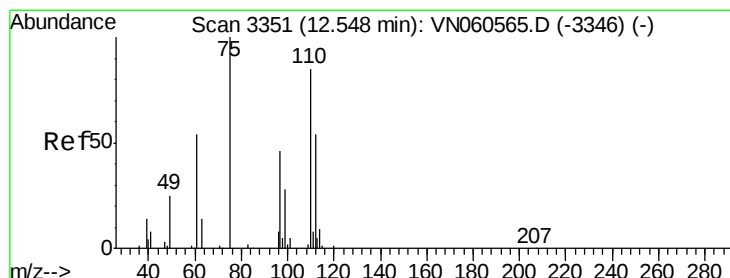
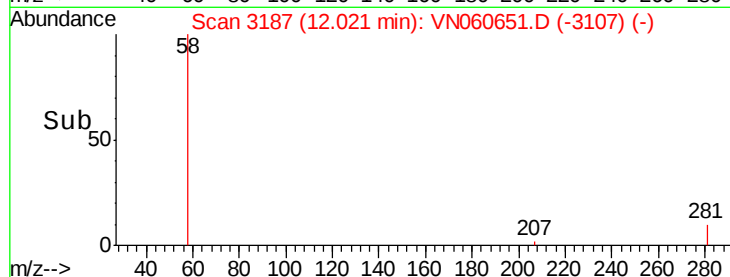
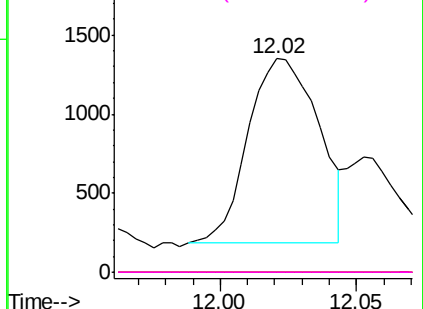


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.527 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060651.D

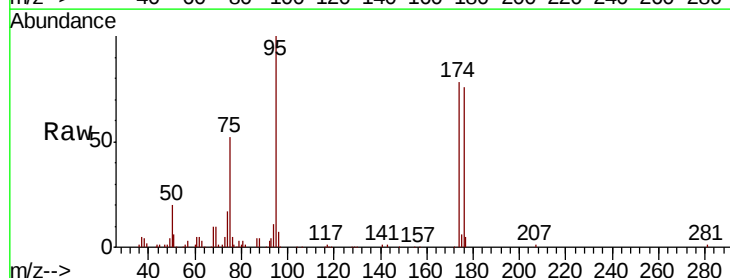
Acq: 20 Mar 2020 14:40

Tgt Ion: 75 Resp: 73270

Ion Ratio Lower Upper

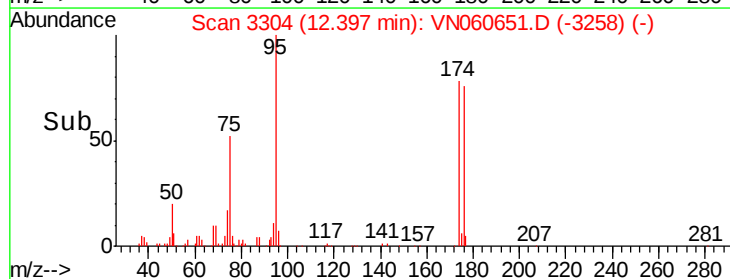
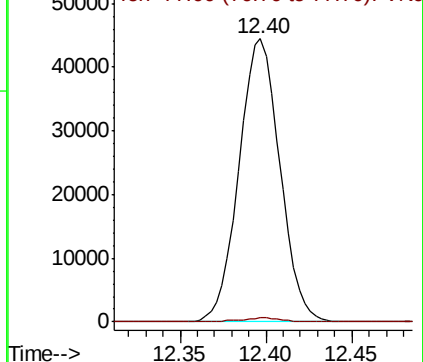
75 100

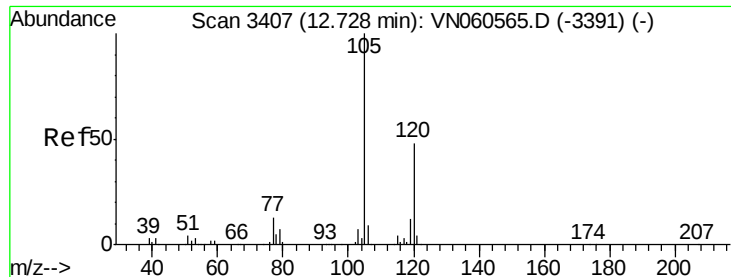
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.365 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

Instrument :

MSVOA_N

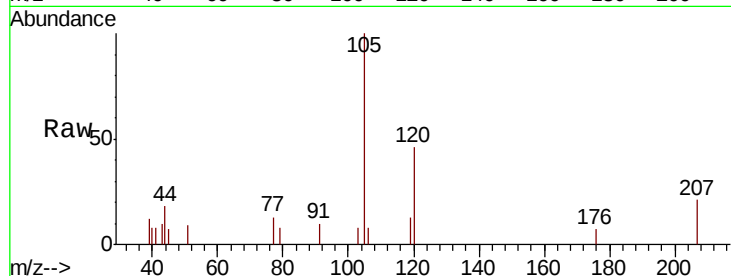
ClientSampled :

Tot Ion:105 Resp: 3095

Ion Ratio Lower Upper

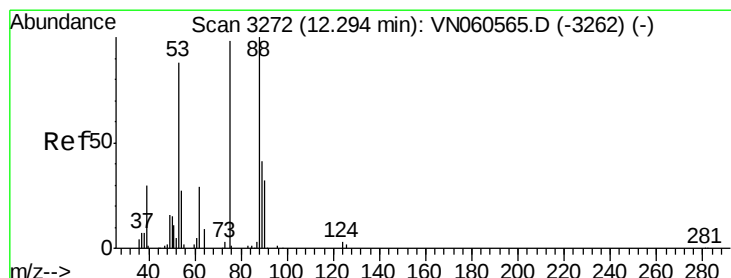
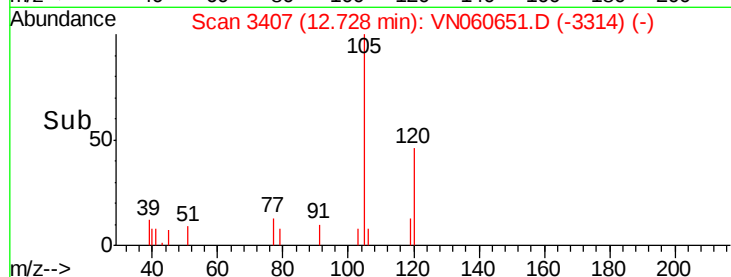
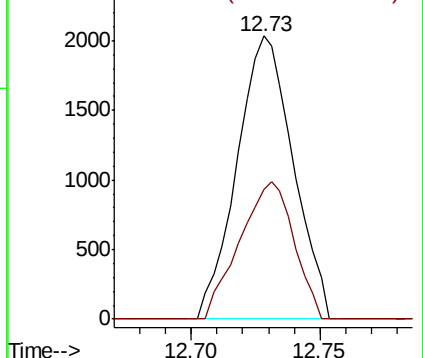
105 100

120 46.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.560 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060651.D

Acq: 20 Mar 2020 14:40

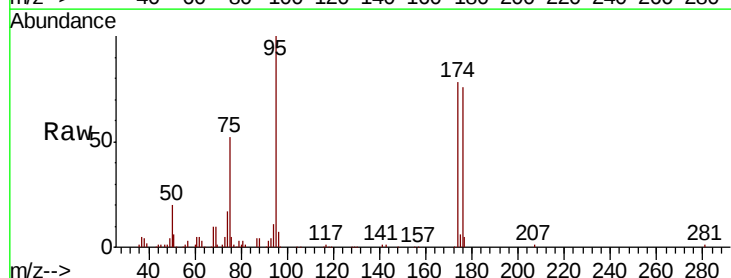
Tgt Ion: 75 Resp: 73270

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

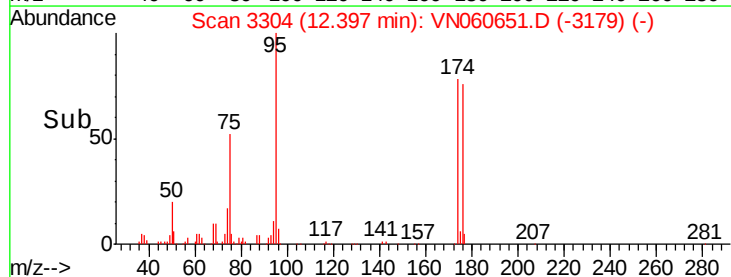
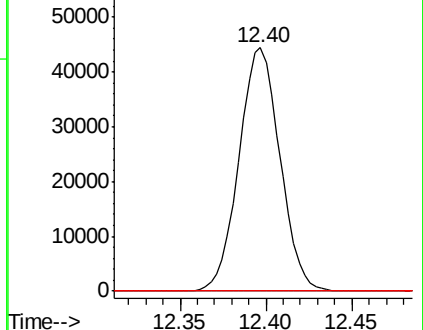
89 0.0 34.8 52.2#

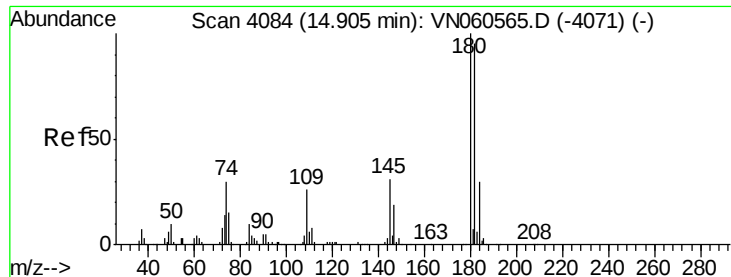


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

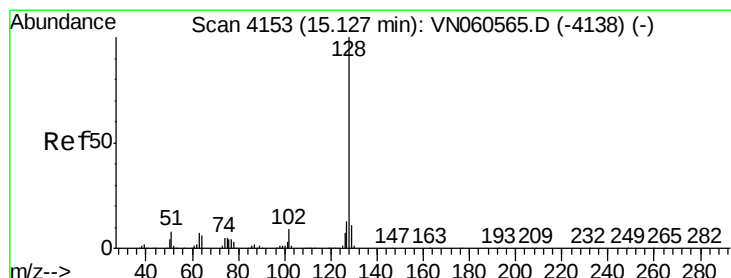
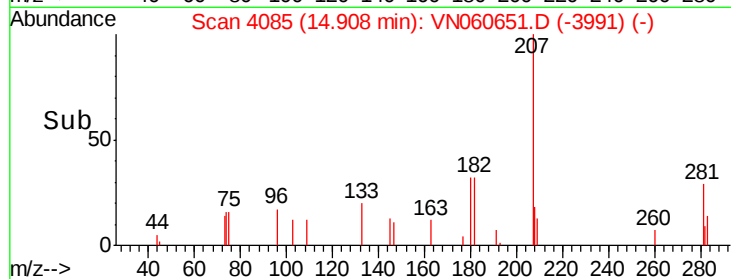
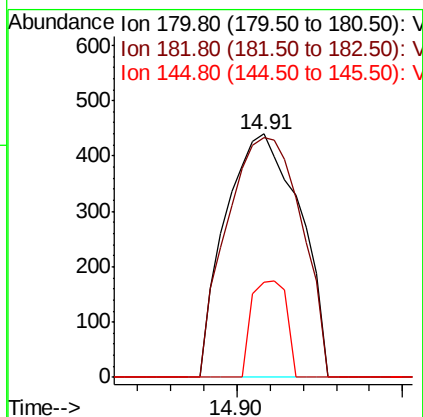
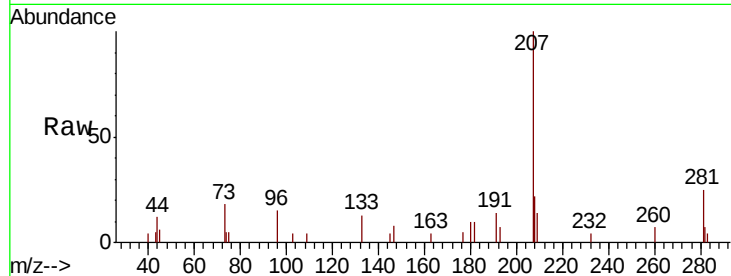




#93
 1,2,4-Trichlorobenzene
 Concen: 0.275 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

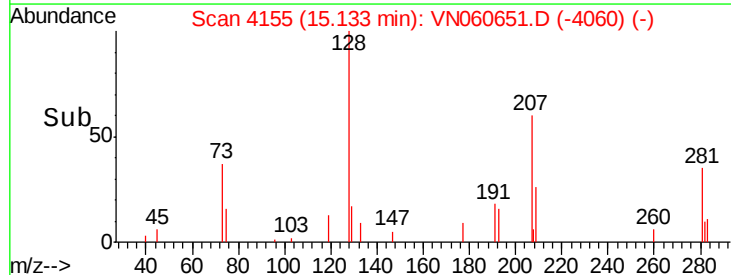
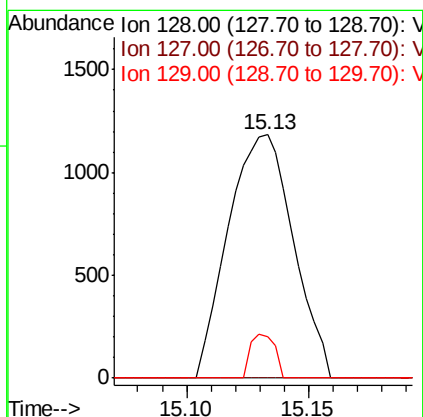
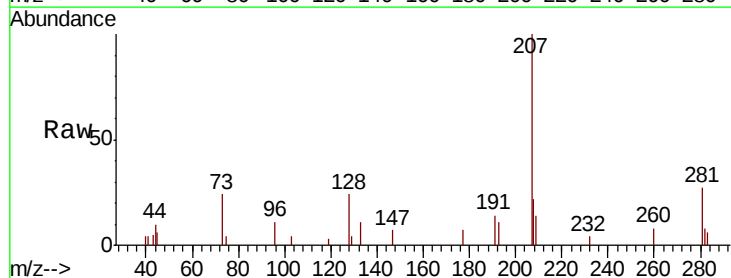
Instrument :
 MSVOA_N
 ClientSampled :

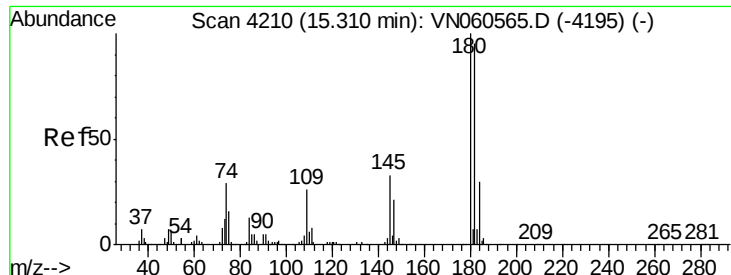
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.9	143.8
145	18.5	15.4	46.2



#95
 Naphthalene
 Concen: 0.292 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.01 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	6.6	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.245 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060651.D
 Acq: 20 Mar 2020 14:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	72.9	47.5	142.6
145	9.8	16.3	48.8#

