

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061019.D
 Acq On : 16 Apr 2020 18:12
 Operator : JC/MD
 Sample : PB128250TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 03:59:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	155127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	262858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	252242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	113821	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	104188	52.49	ug/l	0.00
Spiked Amount						
			Recovery	=	104.98%	
35) Dibromofluoromethane	7.56	113	79121	51.54	ug/l	0.00
Spiked Amount						
			Recovery	=	103.08%	
50) Toluene-d8	10.08	98	328756	56.68	ug/l	0.00
Spiked Amount						
			Recovery	=	113.36%	
62) 4-Bromofluorobenzene	12.39	95	124720	54.86	ug/l	0.00
Spiked Amount						
			Recovery	=	109.72%	

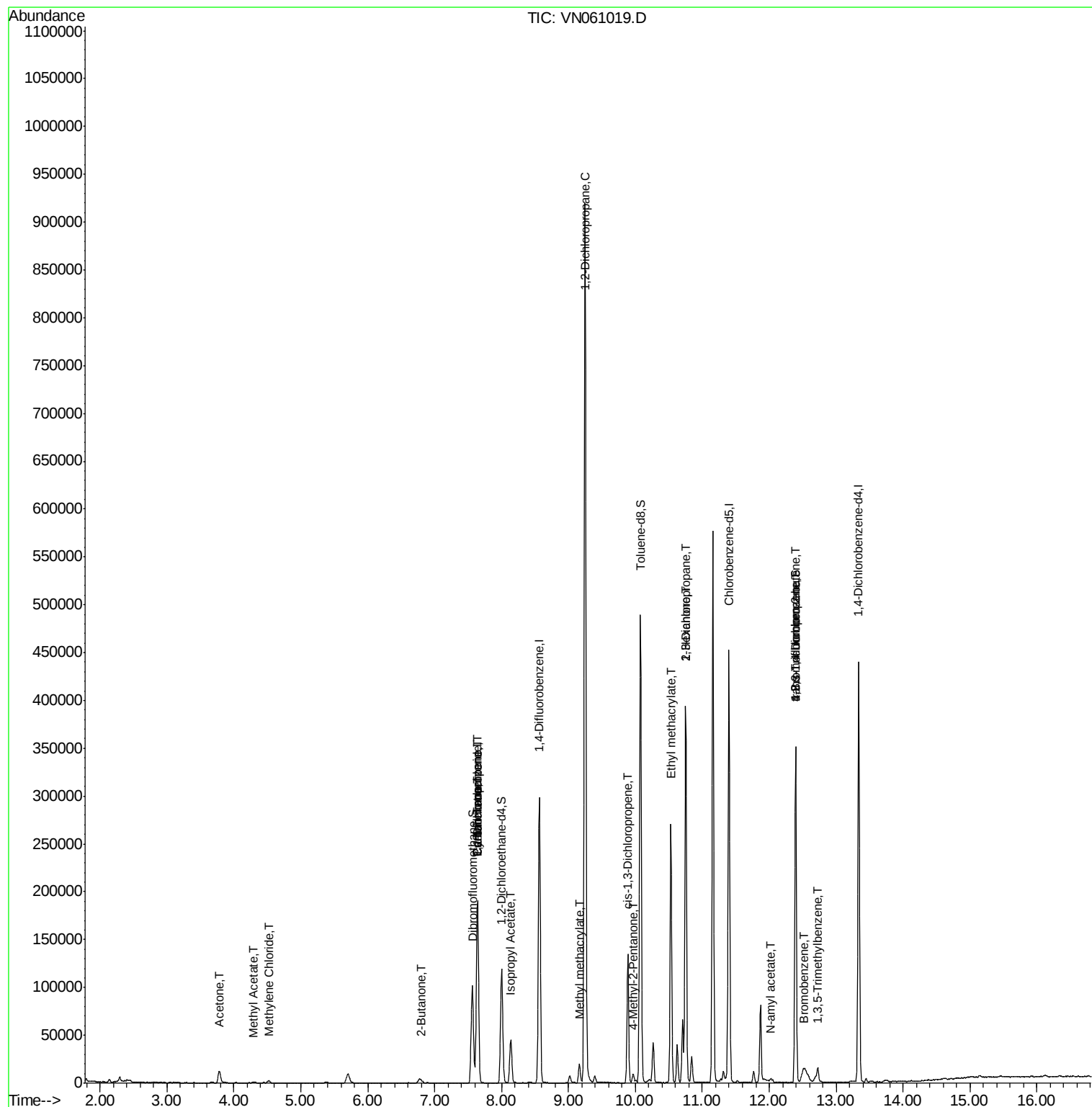
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	21896	25.064	ug/l	97
18) Methyl Acetate	4.28	43	711	0.260	ug/l #	73
20) Methylene Chloride	4.53	84	1871	0.981	ug/l #	78
25) 2-Butanone	6.81	43	3356	2.507	ug/l	98
31) Cyclohexane	7.64	56	3655	0.989	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12650	4.664	ug/l #	46
38) Carbon Tetrachloride	7.64	117	15435	6.836	ug/l #	15
43) Isopropyl Acetate	8.14	43	55871	11.664	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	1023	0.471	ug/l #	43
48) Methyl methacrylate	9.16	41	2949	1.393	ug/l #	14
51) 4-Methyl-2-Pentanone	9.97	43	6086	2.204	ug/l	100
54) cis-1,3-Dichloropropene	9.89	75	23562	7.023	ug/l #	59
56) Ethyl methacrylate	10.54	69	579	0.202	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	3985	1.223	ug/l #	43
59) 2-Hexanone	10.75	43	59483	29.869	ug/l #	53
74) N-amyl acetate	12.02	43	3072	0.724	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	63146	25.222	ug/l #	100
77) Bromobenzene	12.52	156	9618	4.517	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	6675	0.886	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.39	75	63146	62.212	ug/l #	12

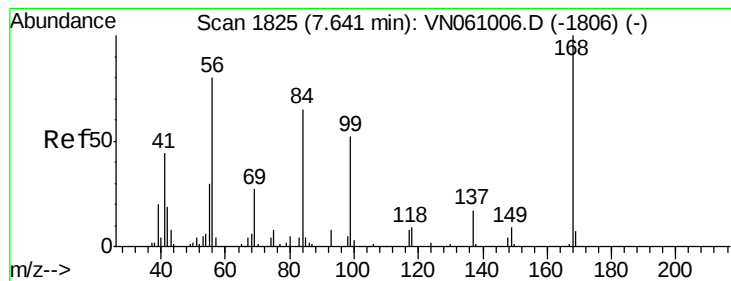
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

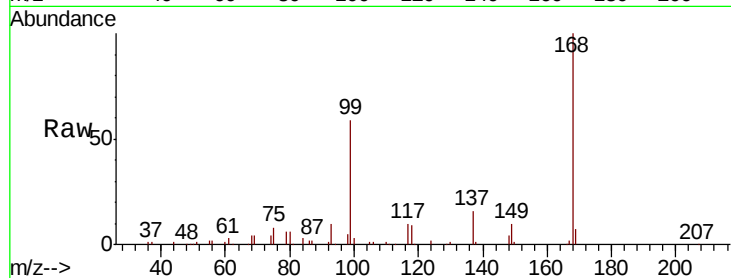
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 155127

Ion Ratio Lower Upper

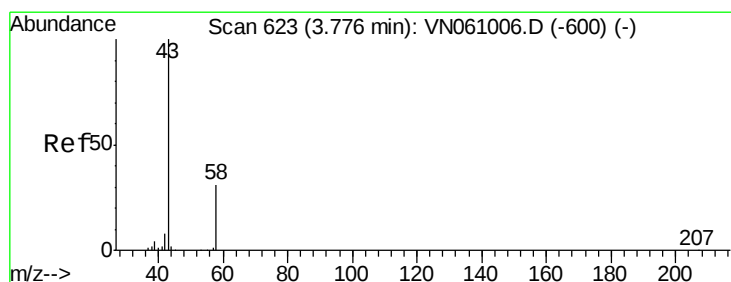
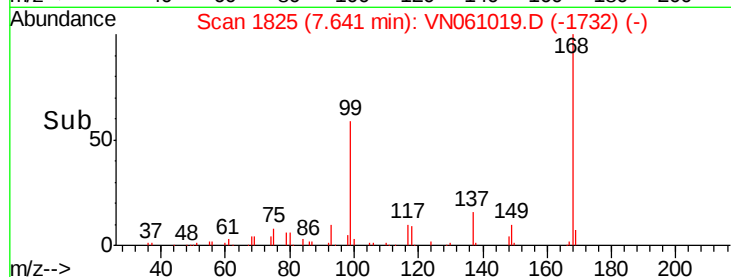
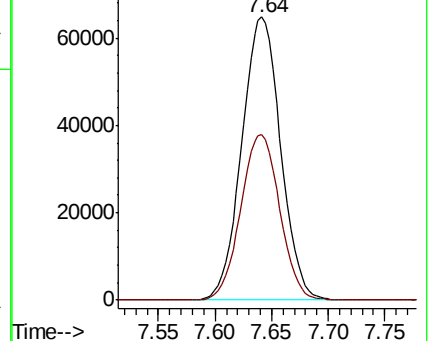
168 100

99 58.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 25.064 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN061019.D

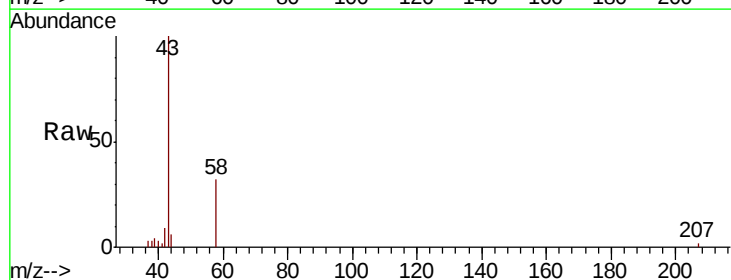
Acq: 16 Apr 2020 18:12

Tgt Ion: 43 Resp: 21896

Ion Ratio Lower Upper

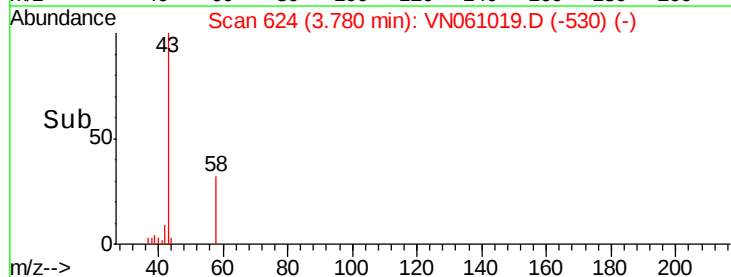
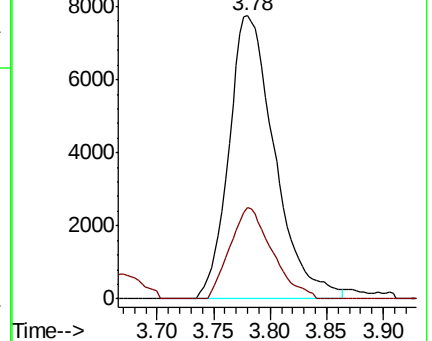
43 100

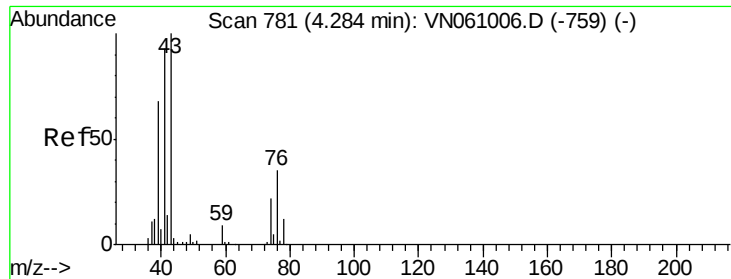
58 32.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

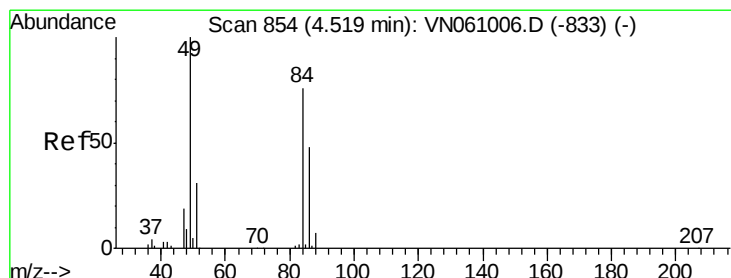
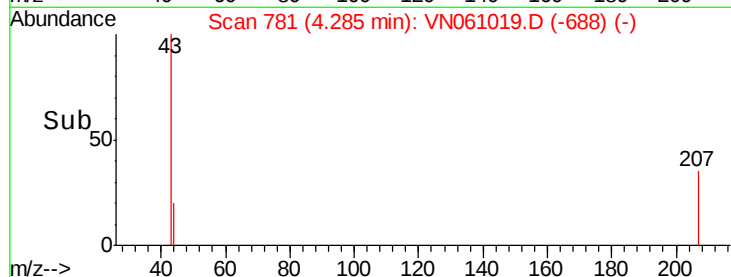
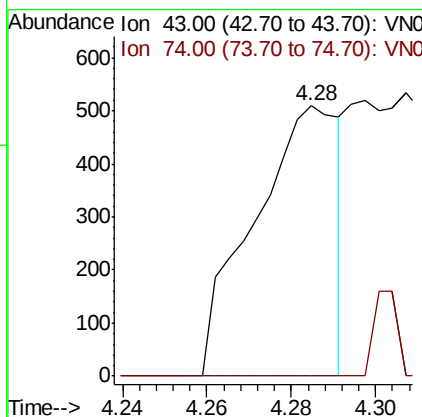
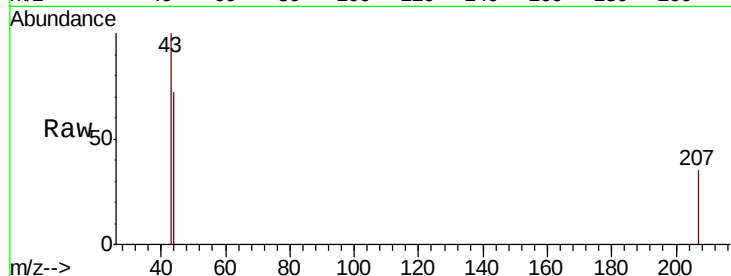




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.00 min
Lab File: VN061019.D
Acq: 16 Apr 2020 18:12

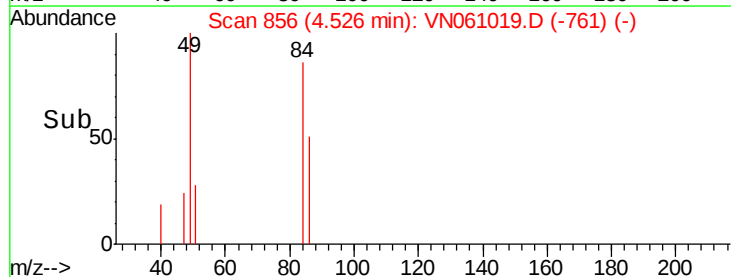
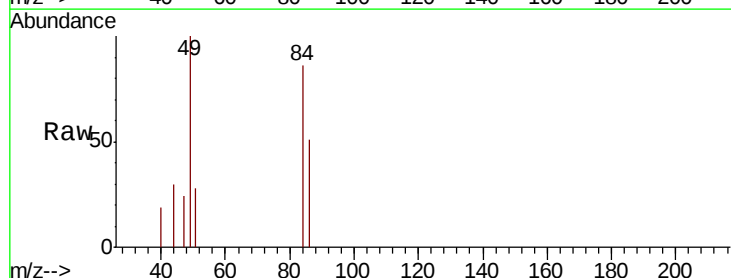
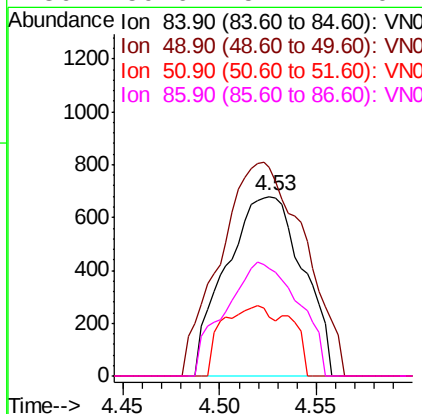
Instrument :
MSVOA_N
ClientSampleId :

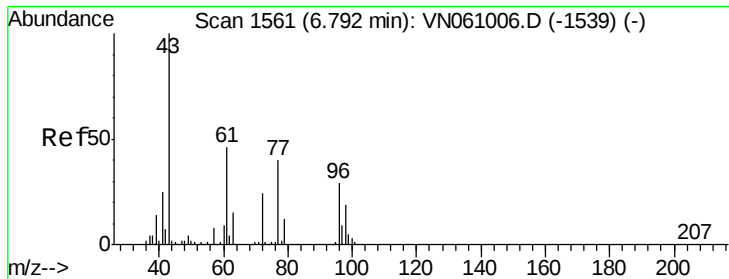
Tot Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
74 8.7 17.4 26.0#



#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN061019.D
Acq: 16 Apr 2020 18:12

Tgt Ion: 84 Resp: 1871
Ion Ratio Lower Upper
84 100
49 93.8 105.8 158.6#
51 32.7 32.4 48.6
86 59.6 51.1 76.7





#25

2-Butanone

Concen: 2.507 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.02 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Instrument :

MSVOA_N

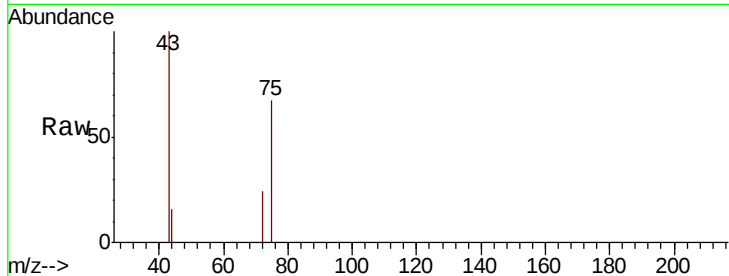
ClientSampleId :

Tot Ion: 43 Resp: 3356

Ion Ratio Lower Upper

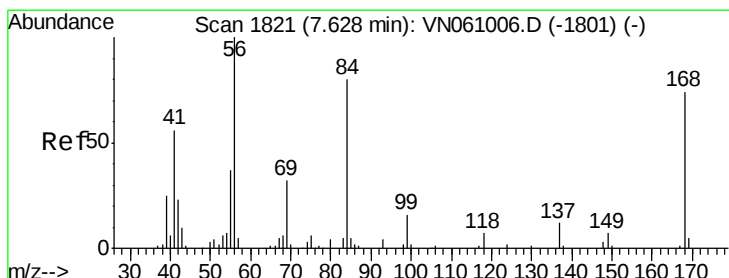
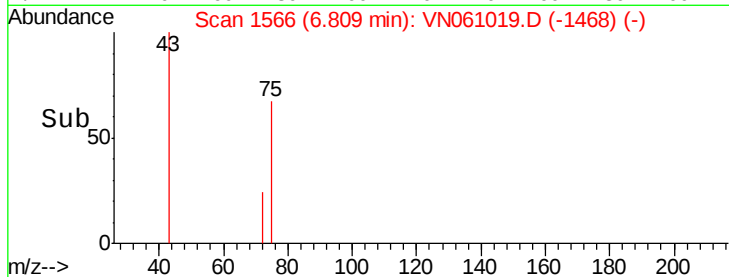
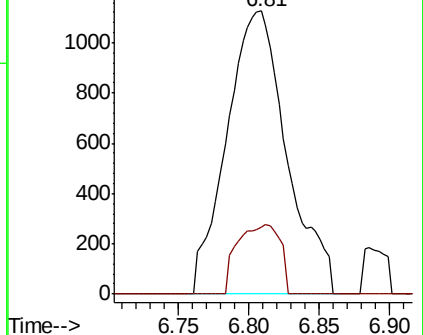
43 100

72 23.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-1539) (-)

Ion 72.00 (71.70 to 72.70): VN061006.D (-1539) (-)



#31

Cyclohexane

Concen: 0.989 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

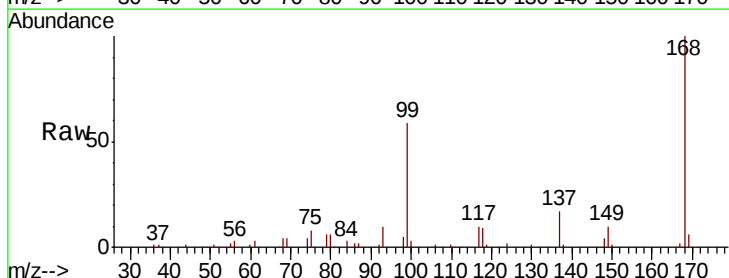
Tgt Ion: 56 Resp: 3655

Ion Ratio Lower Upper

56 100

69 157.8 25.6 38.4#

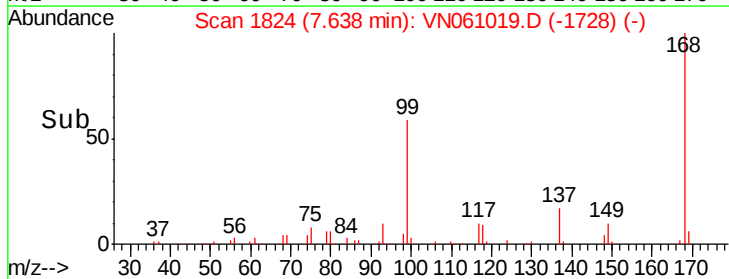
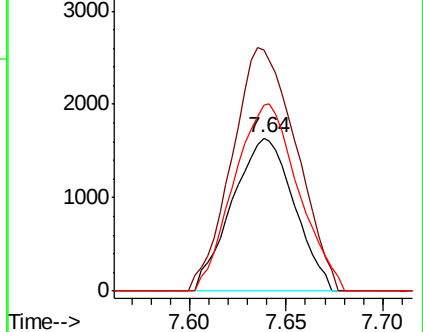
84 122.1 63.4 95.2#

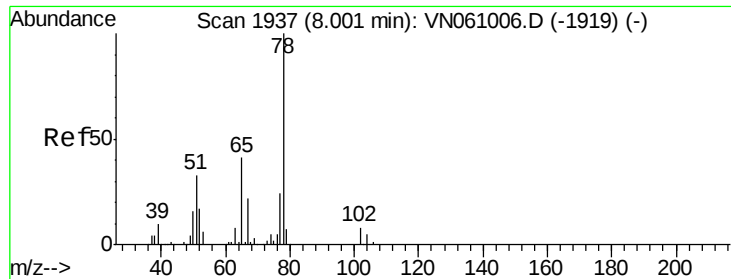


Abundance Ion 56.00 (55.70 to 56.70): VN061006.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN061006.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN061006.D (-1801) (-)

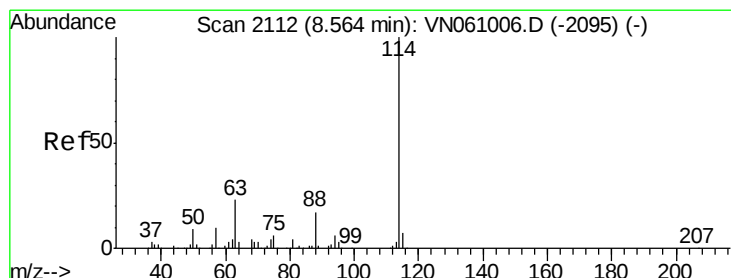
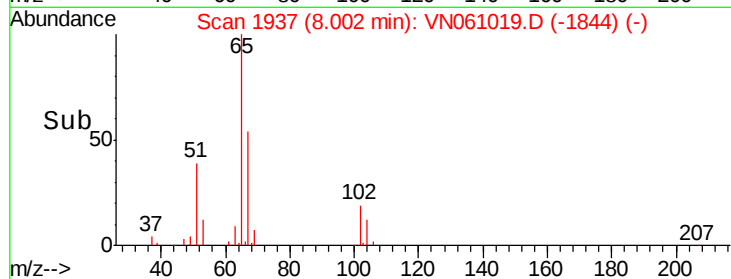
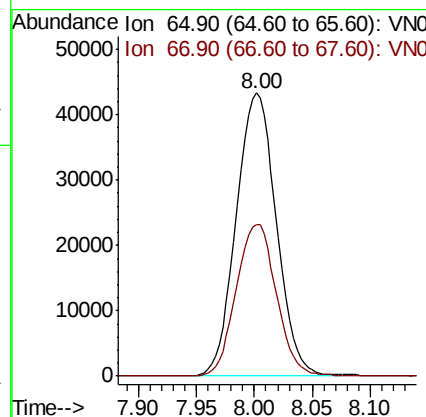
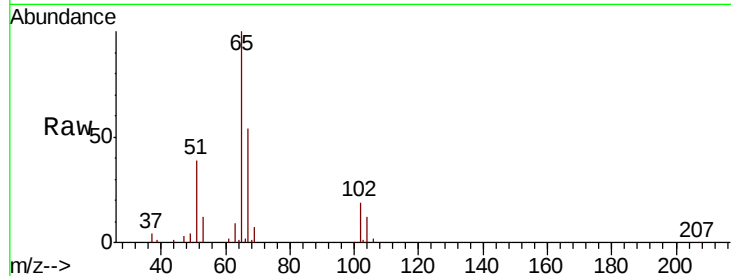




#33
 1,2-Dichloroethane-d4
 Concen: 52.494 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

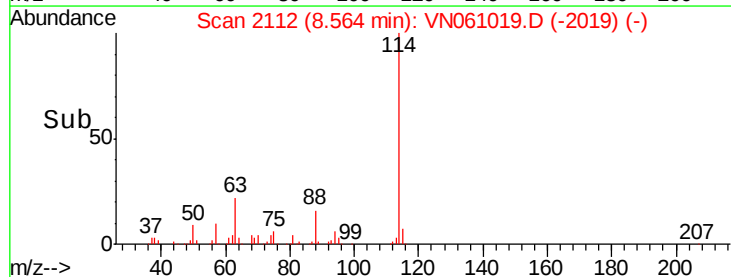
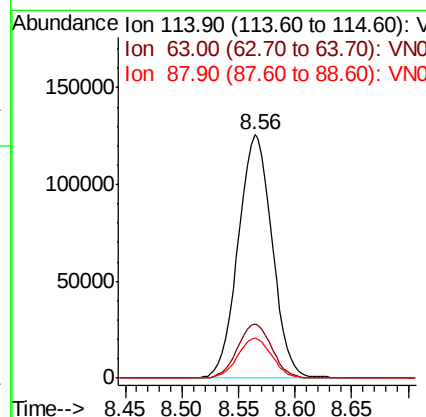
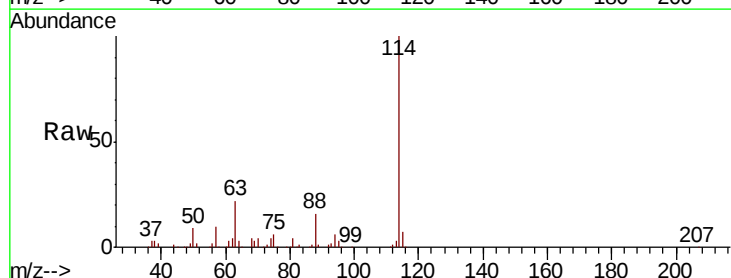
Instrument :
 MSVOA_N
 ClientSampleId :

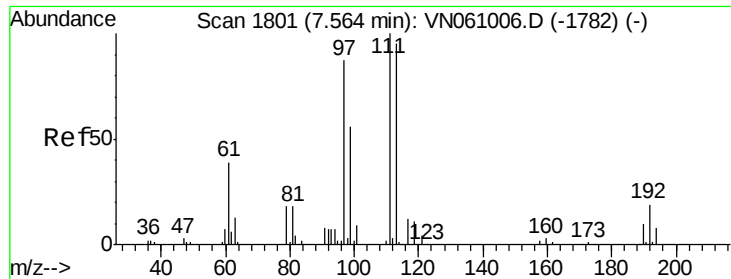
Tot Ion: 65 Resp: 104188
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

Tgt Ion: 114 Resp: 262858
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.2
 88 16.3 0.0 33.4

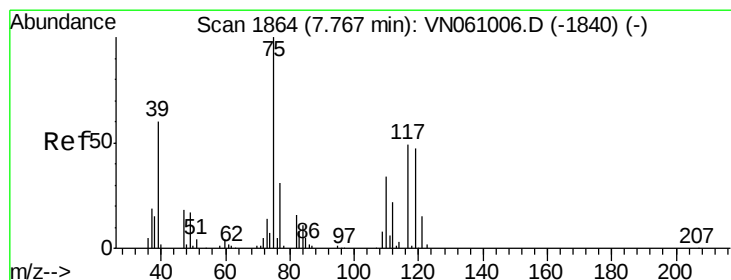
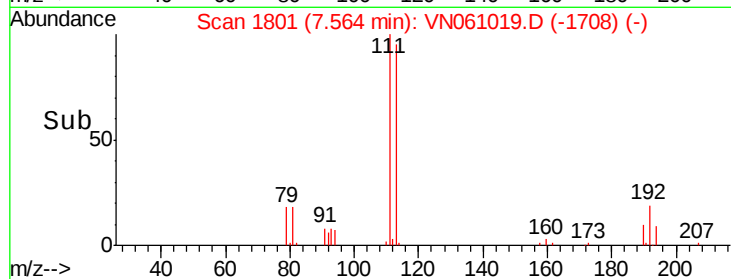
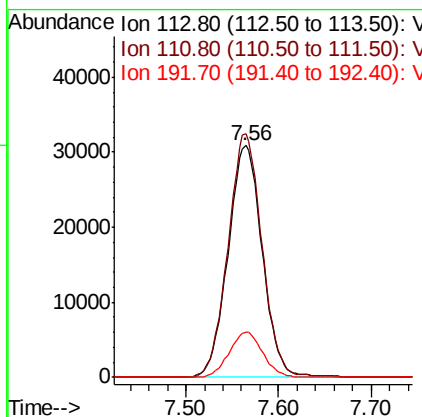
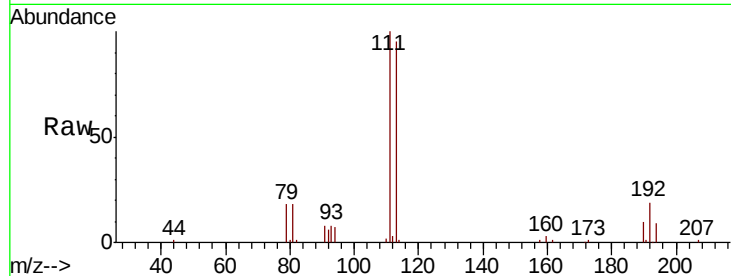




#35
 Dibromofluoromethane
 Concen: 51.543 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

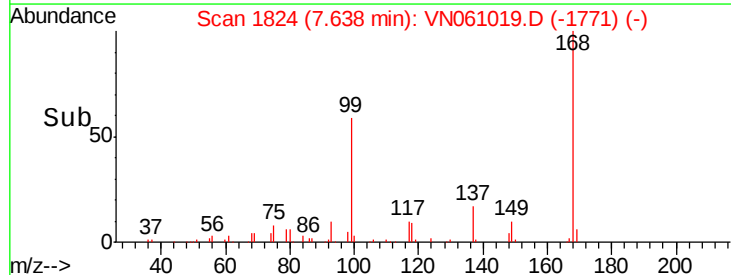
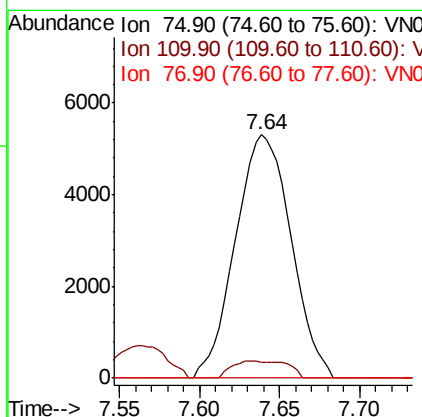
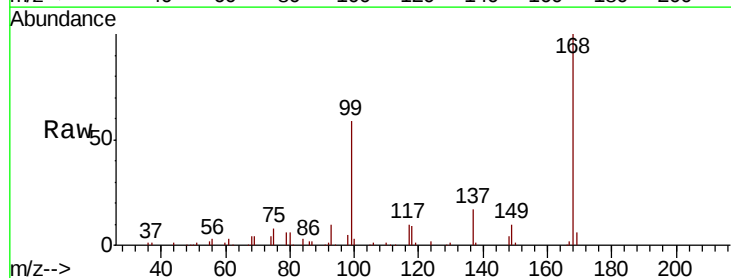
Instrument :
 MSVOA_N
 ClientSampleId :

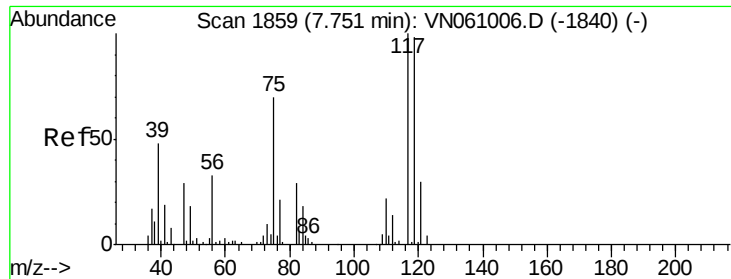
Tot Ion:113 Resp: 79121
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.4 125.2
 192 19.0 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.664 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

Tgt Ion: 75 Resp: 12650
 Ion Ratio Lower Upper
 75 100
 110 4.2 16.8 50.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.836 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Instrument :

MSVOA_N

ClientSampleId :

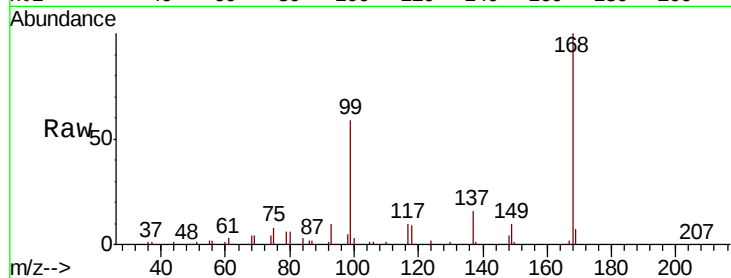
Tot Ion:117 Resp: 15435

Ion Ratio Lower Upper

117 100

119 4.7 78.1 117.1#

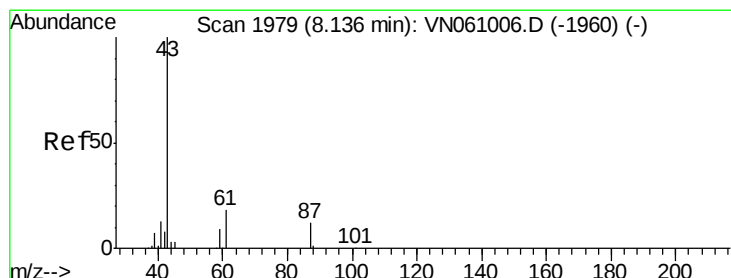
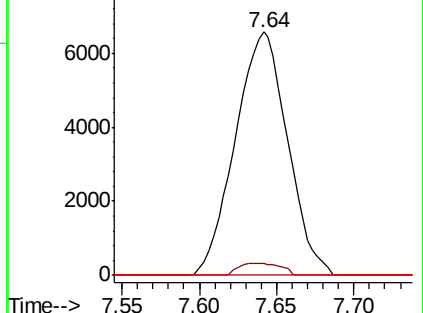
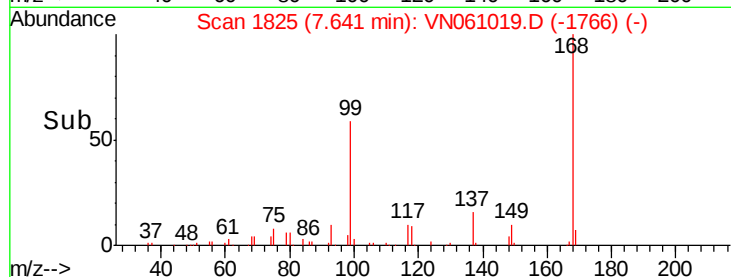
121 0.0 24.0 36.0#



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: 11.664 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

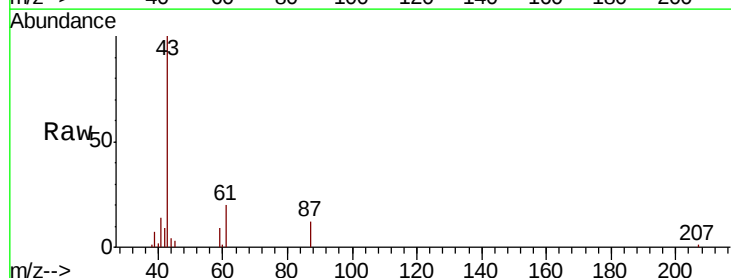
Tgt Ion: 43 Resp: 55871

Ion Ratio Lower Upper

43 100

61 19.3 20.3 30.5#

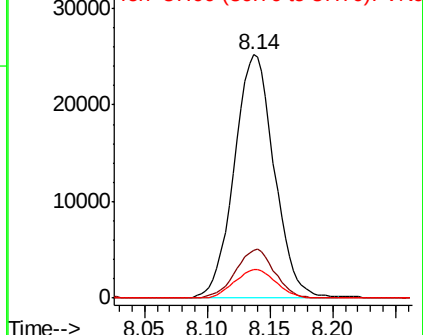
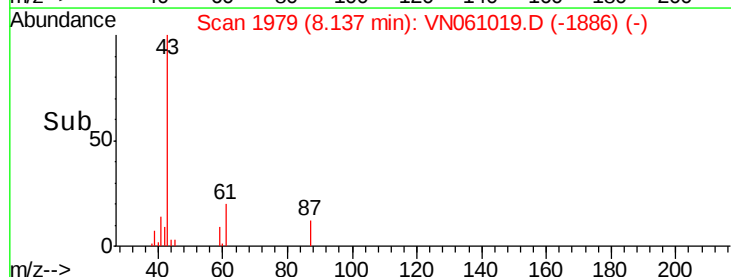
87 11.9 9.4 14.2

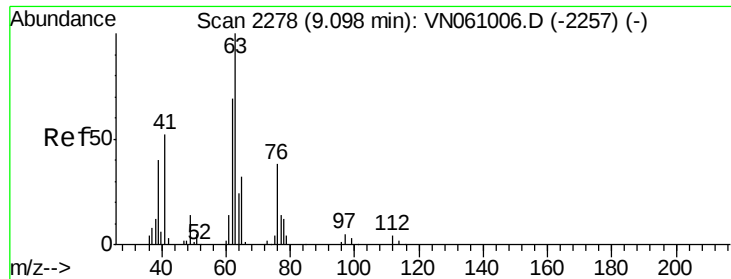


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

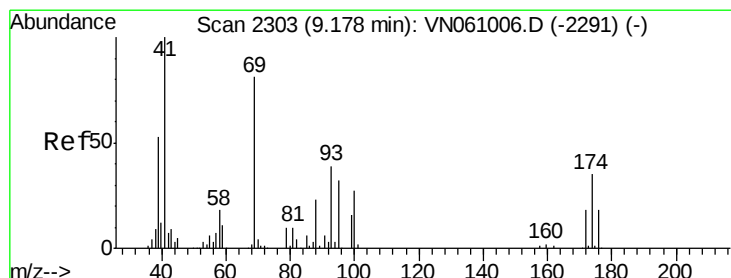
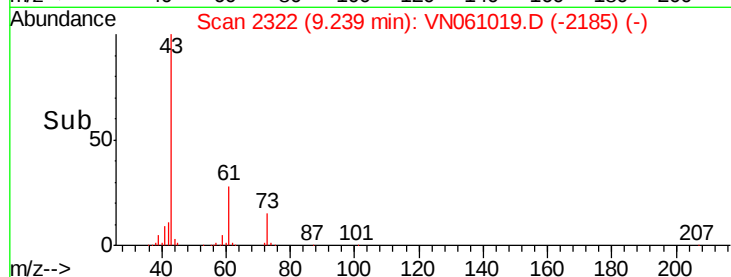
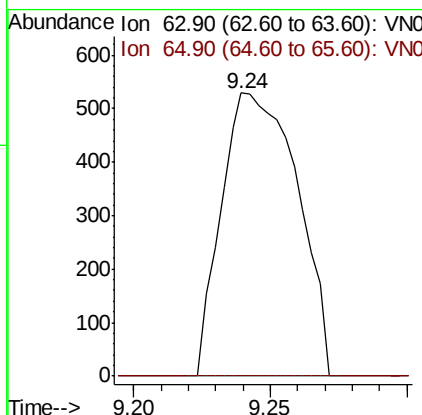
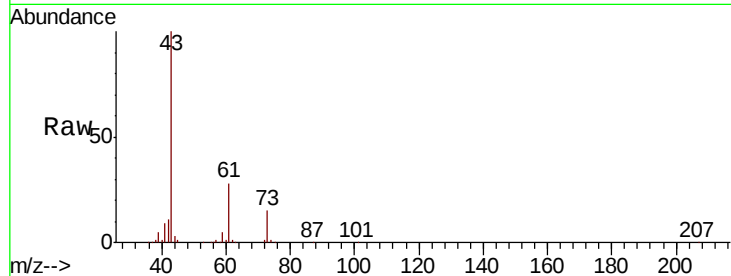




#45
 1,2-Dichloropropane
 Concen: 0.471 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.14 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

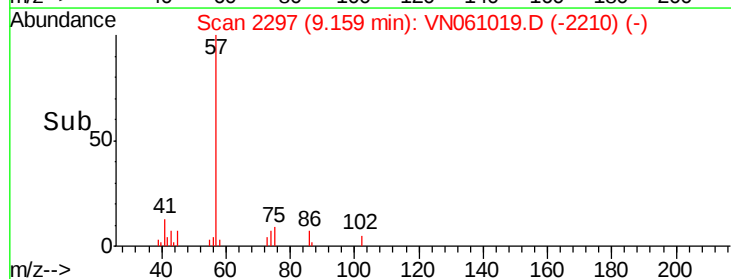
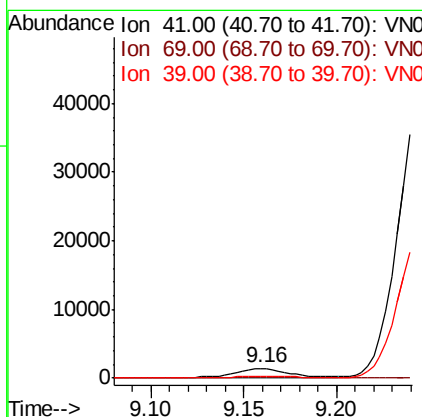
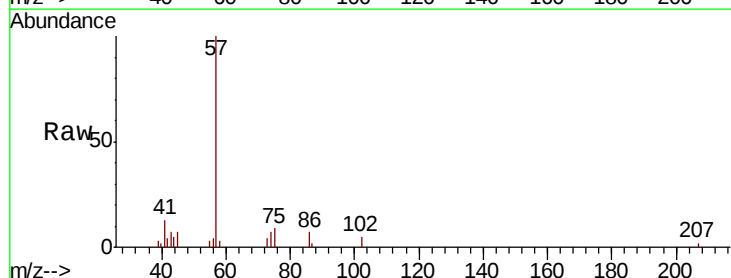
Instrument :
 MSVOA_N
 ClientSampleId :

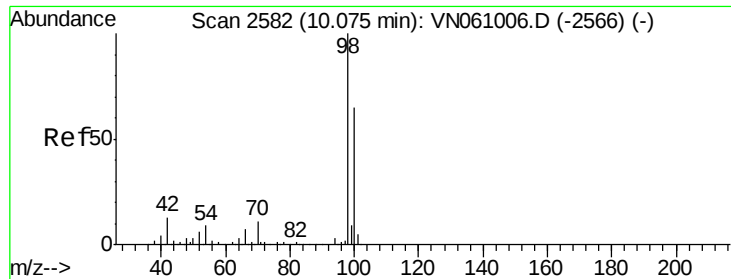
Tot Ion: 63 Resp: 1023
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.2 37.8#



#48
 Methyl methacrylate
 Concen: 1.393 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

Tgt Ion: 41 Resp: 2949
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.3 97.9#
 39 0.0 45.2 67.8#





#50

Toluene-d8

Concen: 56.676 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Instrument :

MSVOA_N

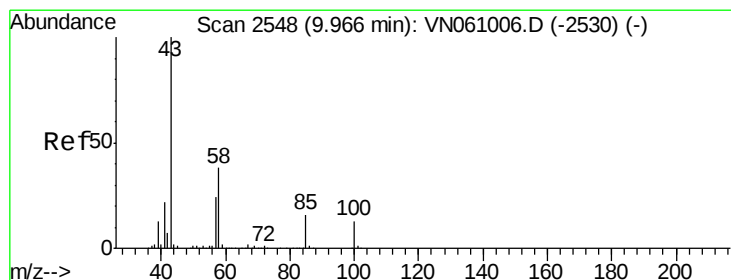
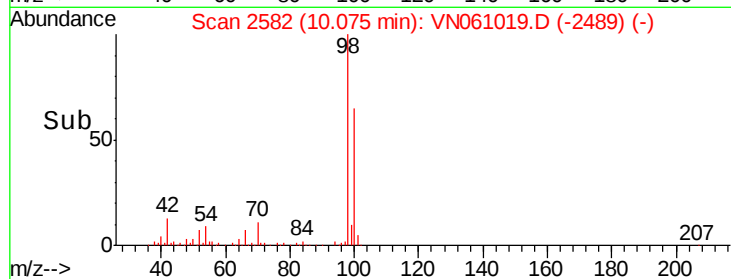
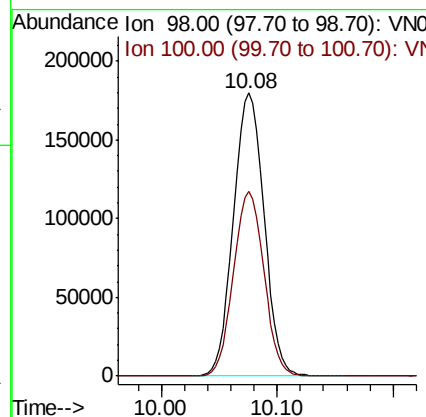
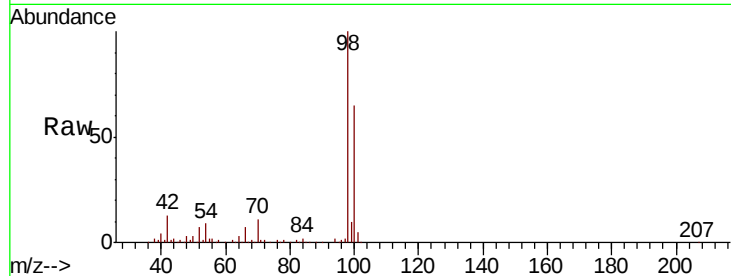
ClientSampled :

Tot Ion: 98 Resp: 328756

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 2.204 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061019.D

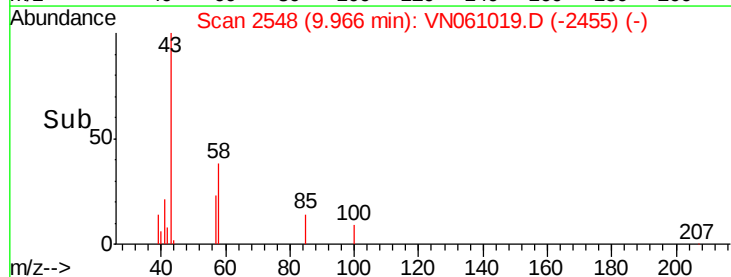
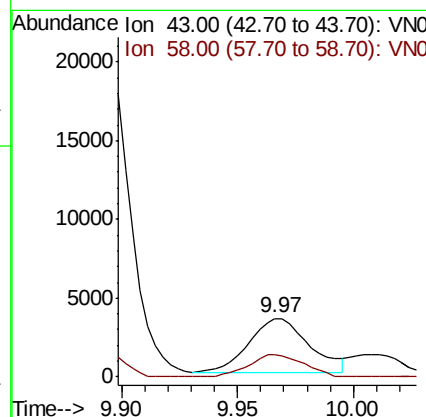
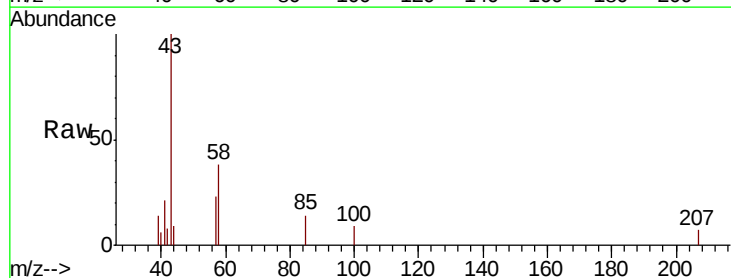
Acq: 16 Apr 2020 18:12

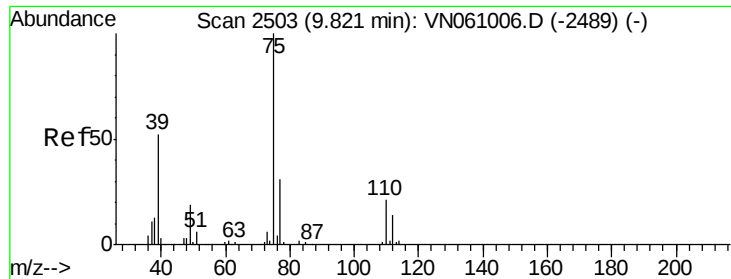
Tgt Ion: 43 Resp: 6086

Ion Ratio Lower Upper

43 100

58 37.9 30.3 45.5



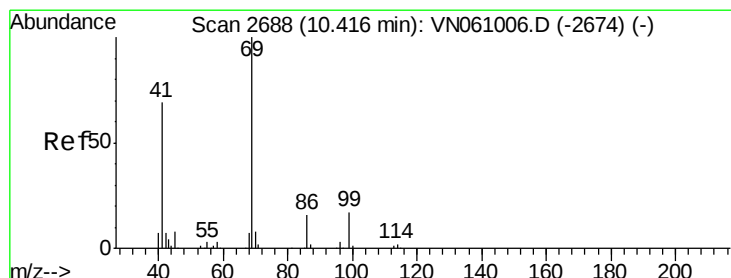
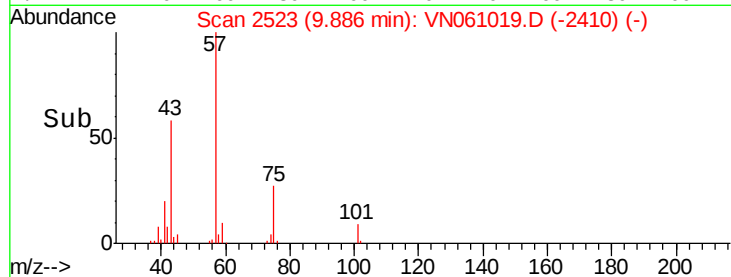
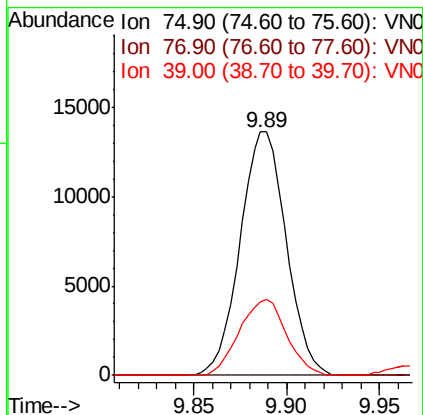
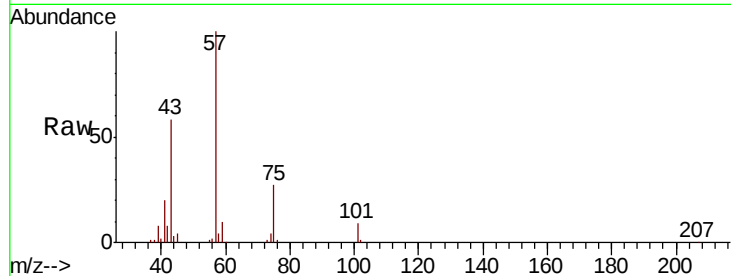


#54

cis-1,3-Dichloropropene
 Concen: 7.023 ug/l
 RT: 9.89 min Scan# 2523
 Delta R.T. 0.06 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

Instrument :
 MSVOA_N
 ClientSampleId :

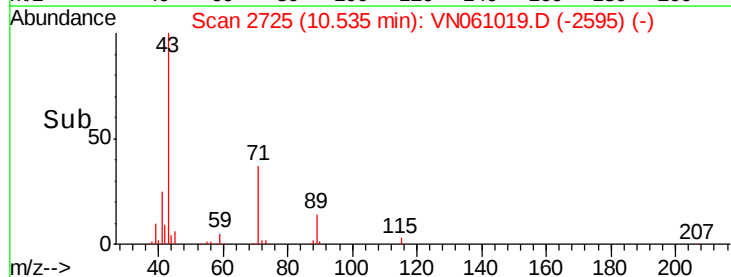
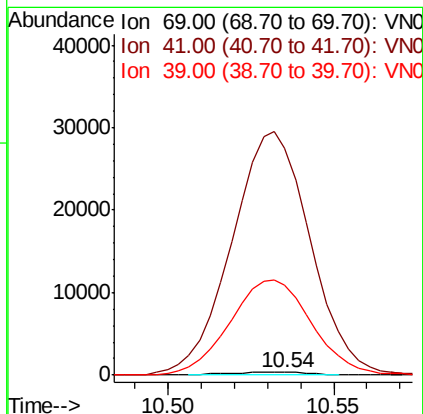
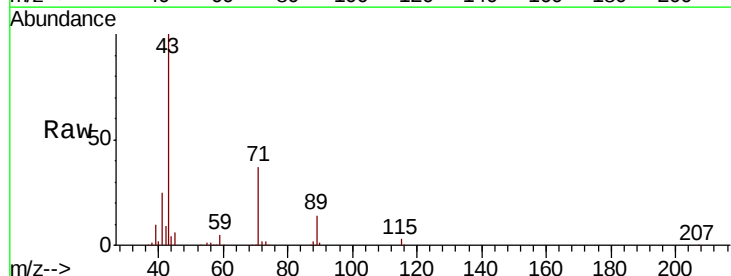
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.0	37.6#
39	30.0	41.4	62.2#

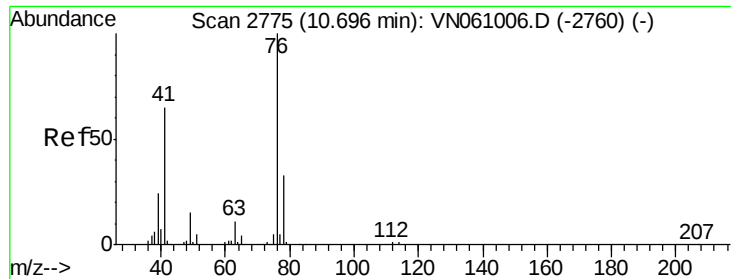


#56

Ethyl methacrylate
 Concen: 0.202 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.12 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	8455.8	56.7	85.1#
39	3409.8	29.4	44.0#





#57

1,3-Dichloropropane

Concen: 1.223 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Instrument :

MSVOA_N

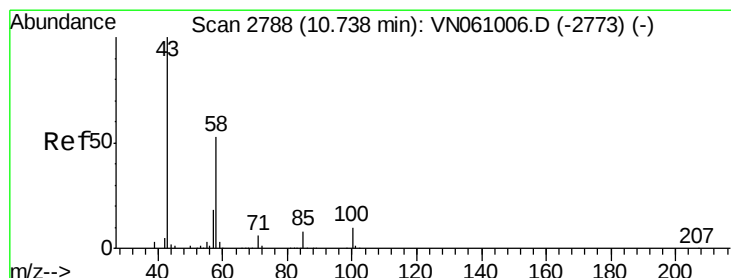
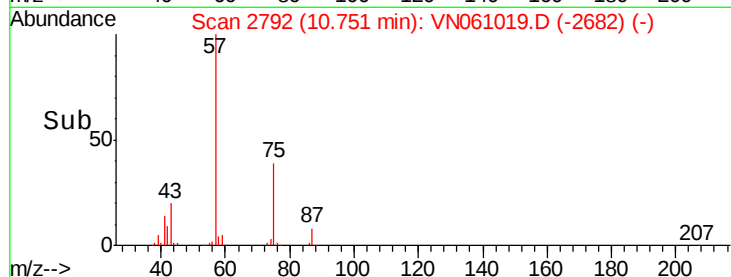
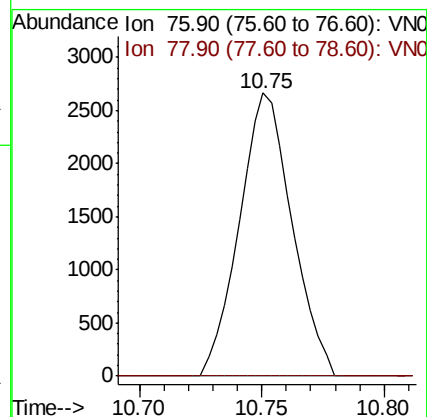
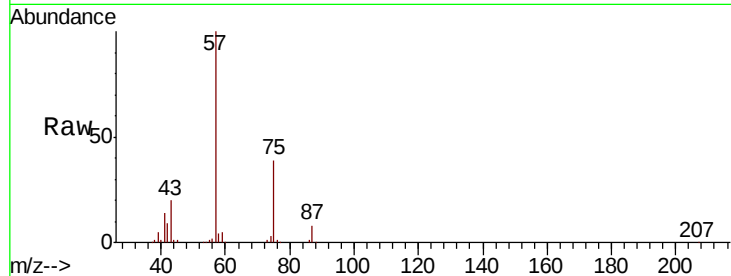
ClientSampled :

Tot Ion: 76 Resp: 3985

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



#59

2-Hexanone

Concen: 29.869 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN061019.D

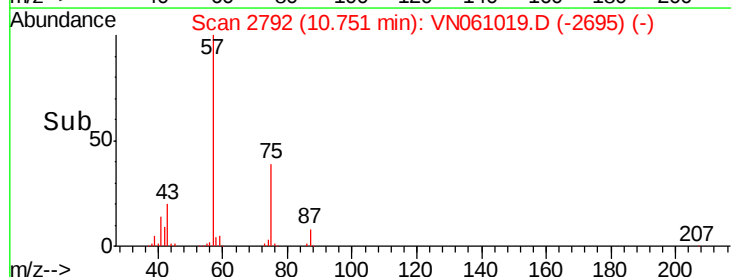
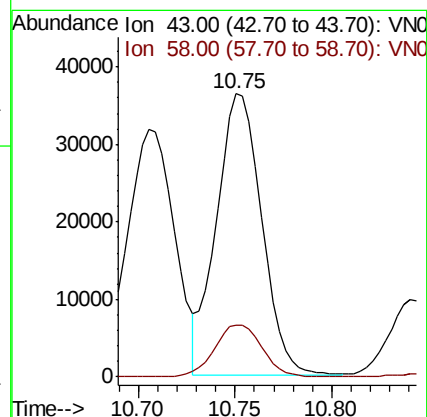
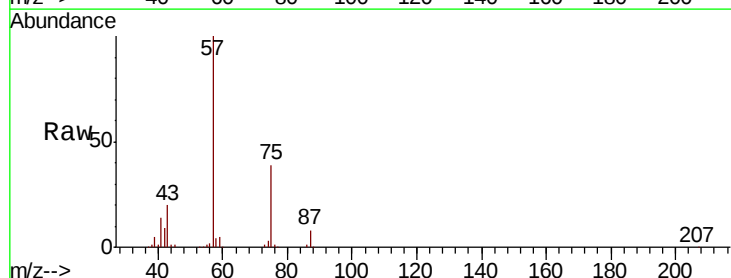
Acq: 16 Apr 2020 18:12

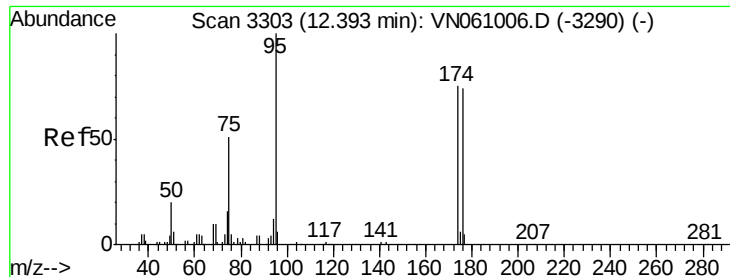
Tgt Ion: 43 Resp: 59483

Ion Ratio Lower Upper

43 100

58 19.1 26.4 79.0#

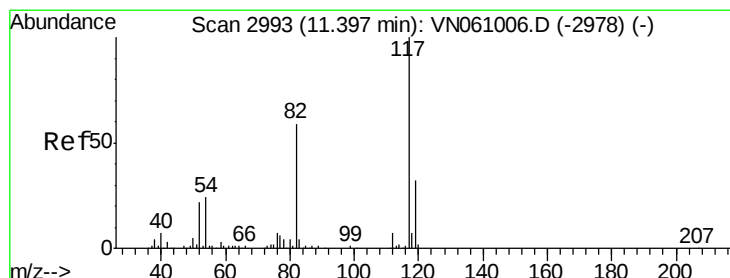
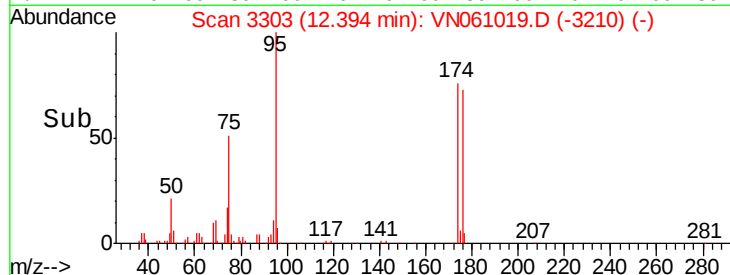
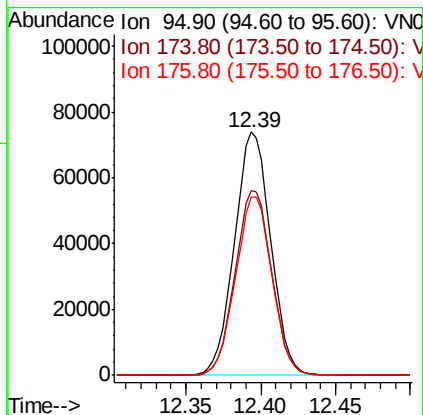
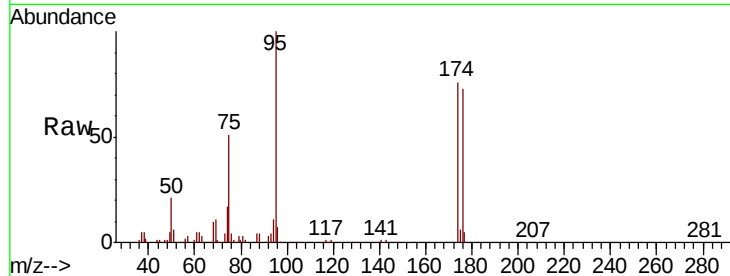




#62
 4-Bromofluorobenzene
 Concen: 54.859 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

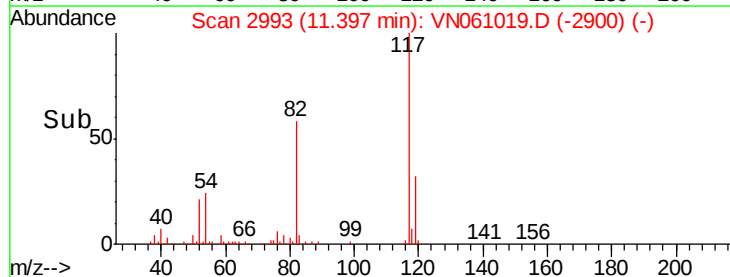
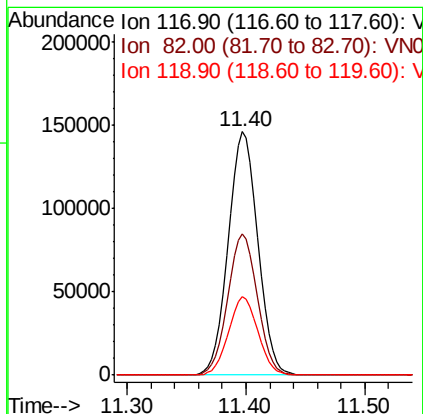
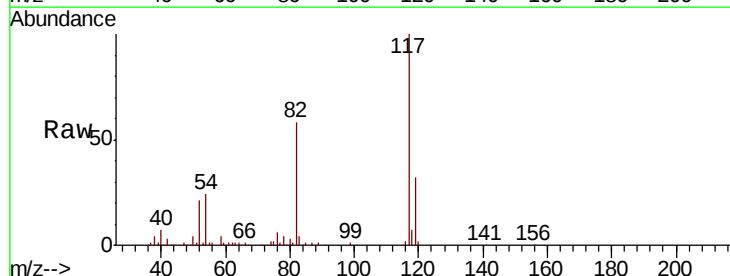
Instrument :
 MSVOA_N
 ClientSampled :

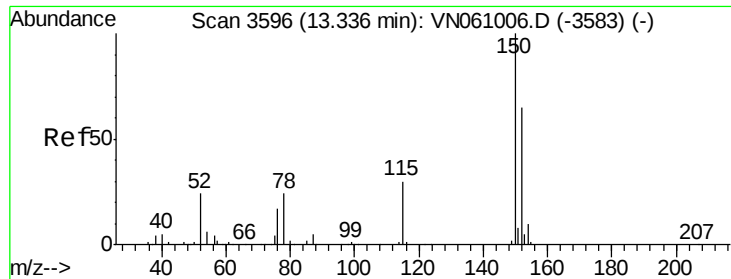
Tot Ion: 95 Resp: 124720
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 151.2
 176 73.6 0.0 148.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2993
 Delta R.T. 0.00 min
 Lab File: VN061019.D
 Acq: 16 Apr 2020 18:12

Tgt Ion: 117 Resp: 252242
 Ion Ratio Lower Upper
 117 100
 82 58.0 47.1 70.7
 119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Instrument :

MSVOA_N

ClientSampled :

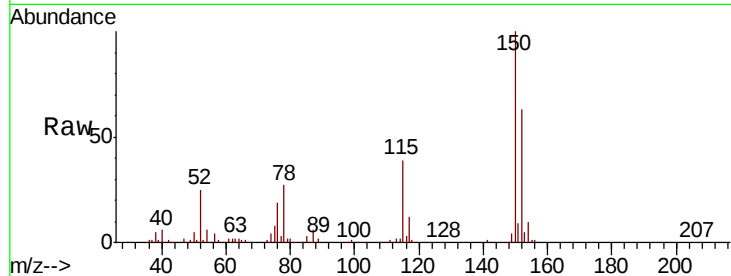
Tot Ion:152 Resp: 113821

Ion Ratio Lower Upper

152 100

115 61.4 30.8 92.4

150 155.4 0.0 349.0

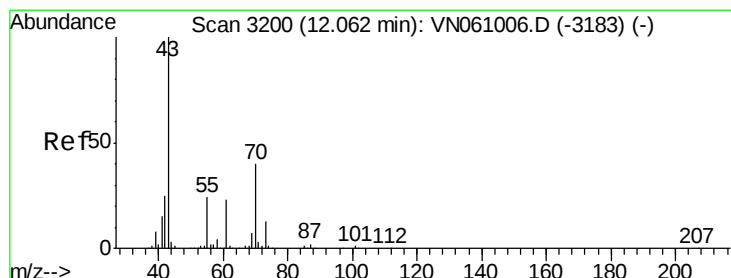
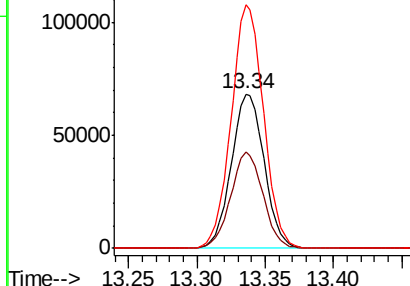
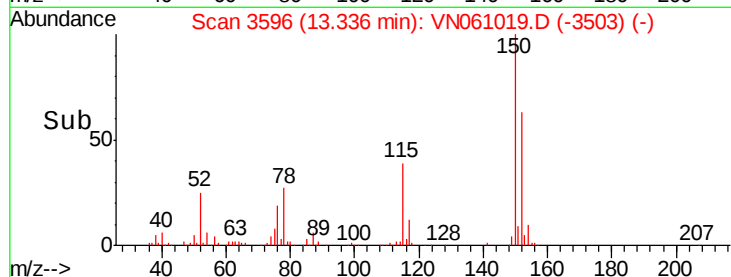


Abundance

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-ethyl acetate

Concen: 0.724 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Tgt Ion: 43 Resp: 3072

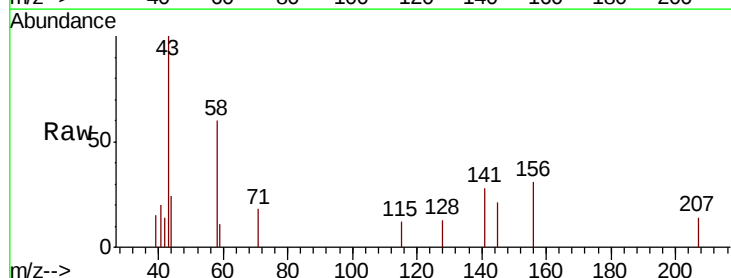
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.6 27.8#

61 0.0 18.2 27.4#



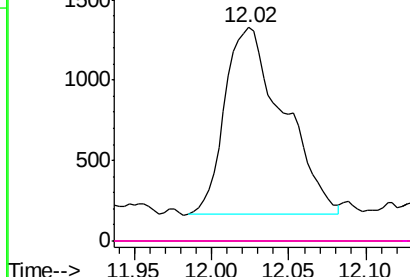
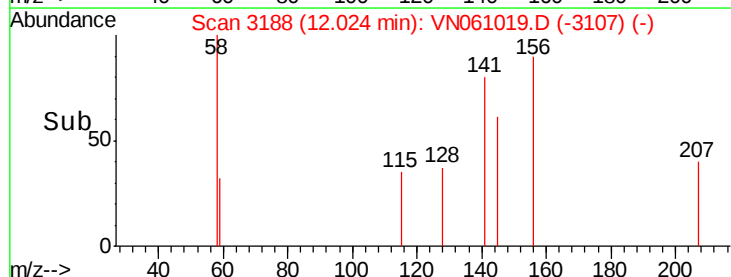
Abundance

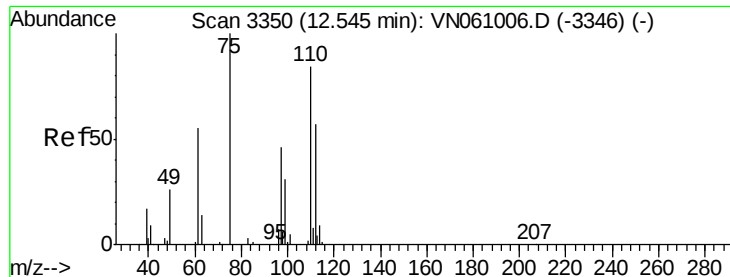
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.222 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Instrument :

MSVOA_N

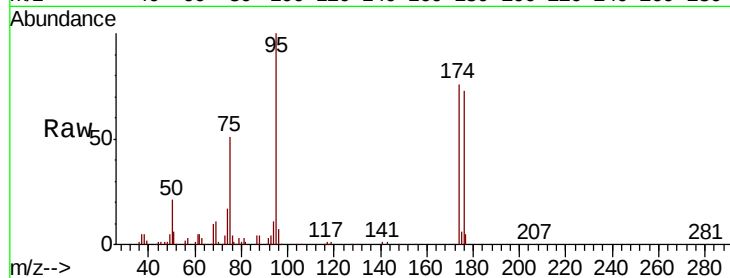
ClientSampled :

Tot Ion: 75 Resp: 63146

Ion Ratio Lower Upper

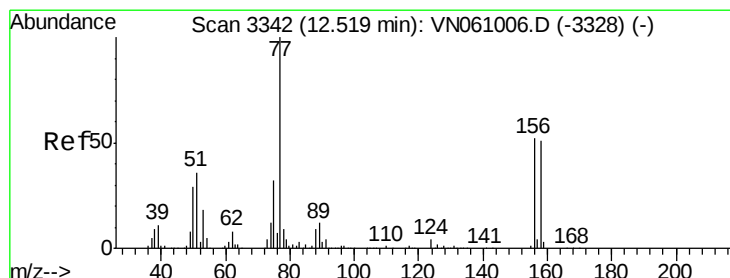
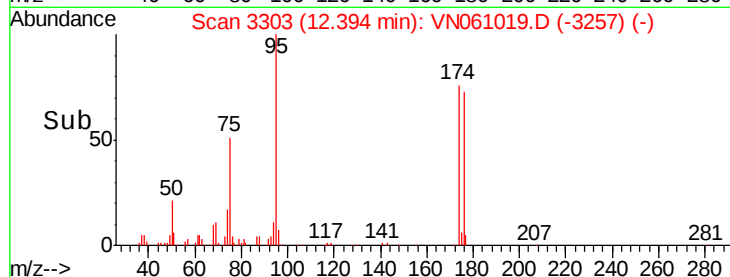
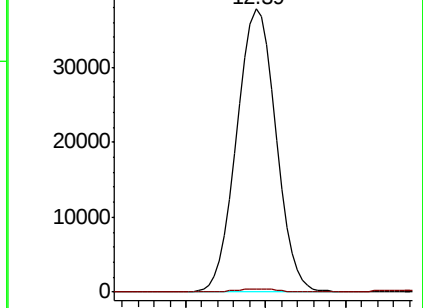
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061006.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN061006.D (-3346) (-)



#77

Bromobenzene

Concen: 4.517 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

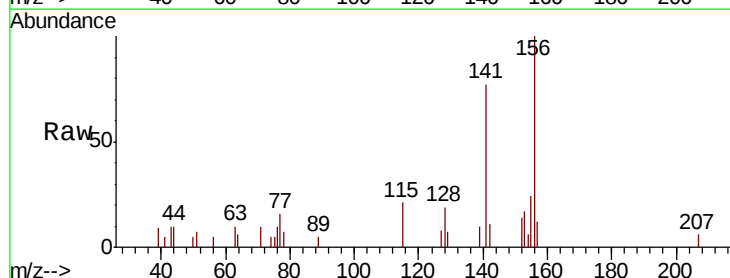
Tgt Ion: 156 Resp: 9618

Ion Ratio Lower Upper

156 100

77 8.8 115.6 346.8#

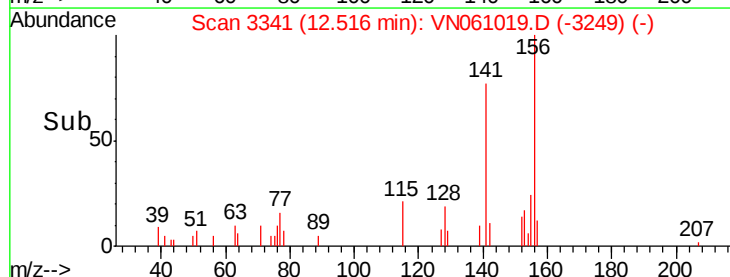
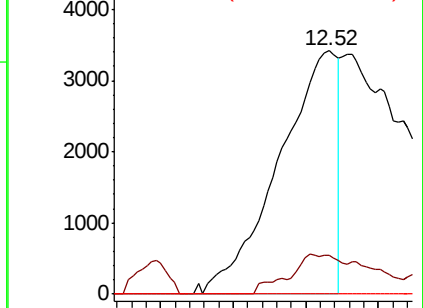
158 0.0 48.9 146.6#

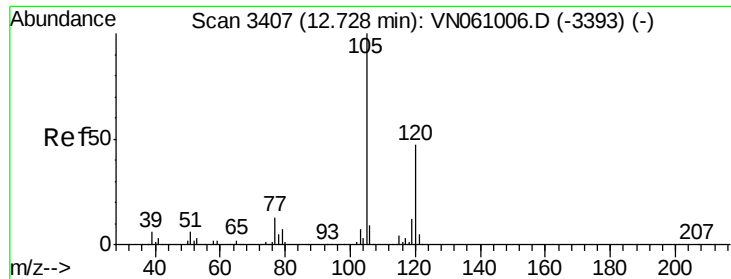


Abundance Ion 155.80 (155.50 to 156.50): VN061006.D (-3328) (-)

Ion 77.00 (76.70 to 77.70): VN061006.D (-3328) (-)

Ion 157.80 (157.50 to 158.50): VN061006.D (-3328) (-)





#80

1,3,5-Trimethylbenzene

Concen: 0.886 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

Instrument :

MSVOA_N

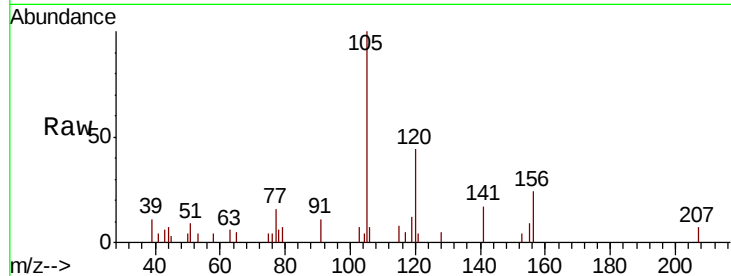
ClientSampleId :

Tot Ion:105 Resp: 6675

Ion Ratio Lower Upper

105 100

120 45.4 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

5000

4000

3000

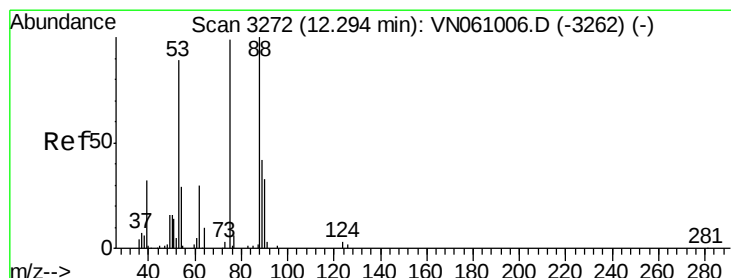
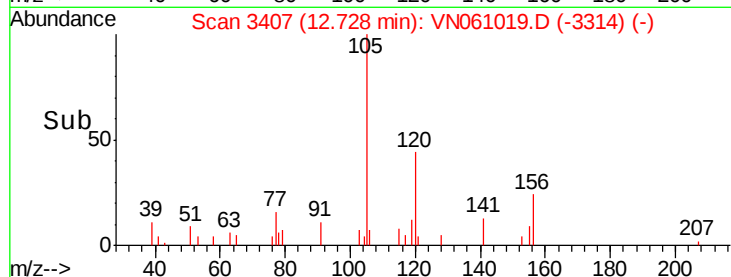
2000

1000

0

12.70 12.73 12.75

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.212 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061019.D

Acq: 16 Apr 2020 18:12

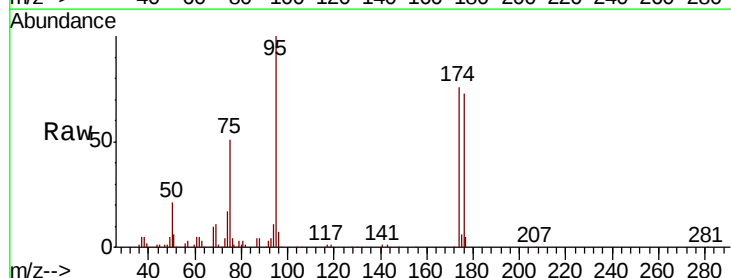
Tgt Ion: 75 Resp: 63146

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#



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

50000

40000

30000

20000

10000

0

12.35 12.39 12.45

Time-->

