

Data File : VN061208.D
Acq On : 30 Apr 2020 17:51
Operator : JC/MD
Sample : L2458-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S73-0246

Quant Time: May 01 02:19:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	111768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	197795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	189806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85790	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	85827	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
35) Dibromofluoromethane	7.55	113	58394	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.06	98	249070	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.38	95	92727	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	

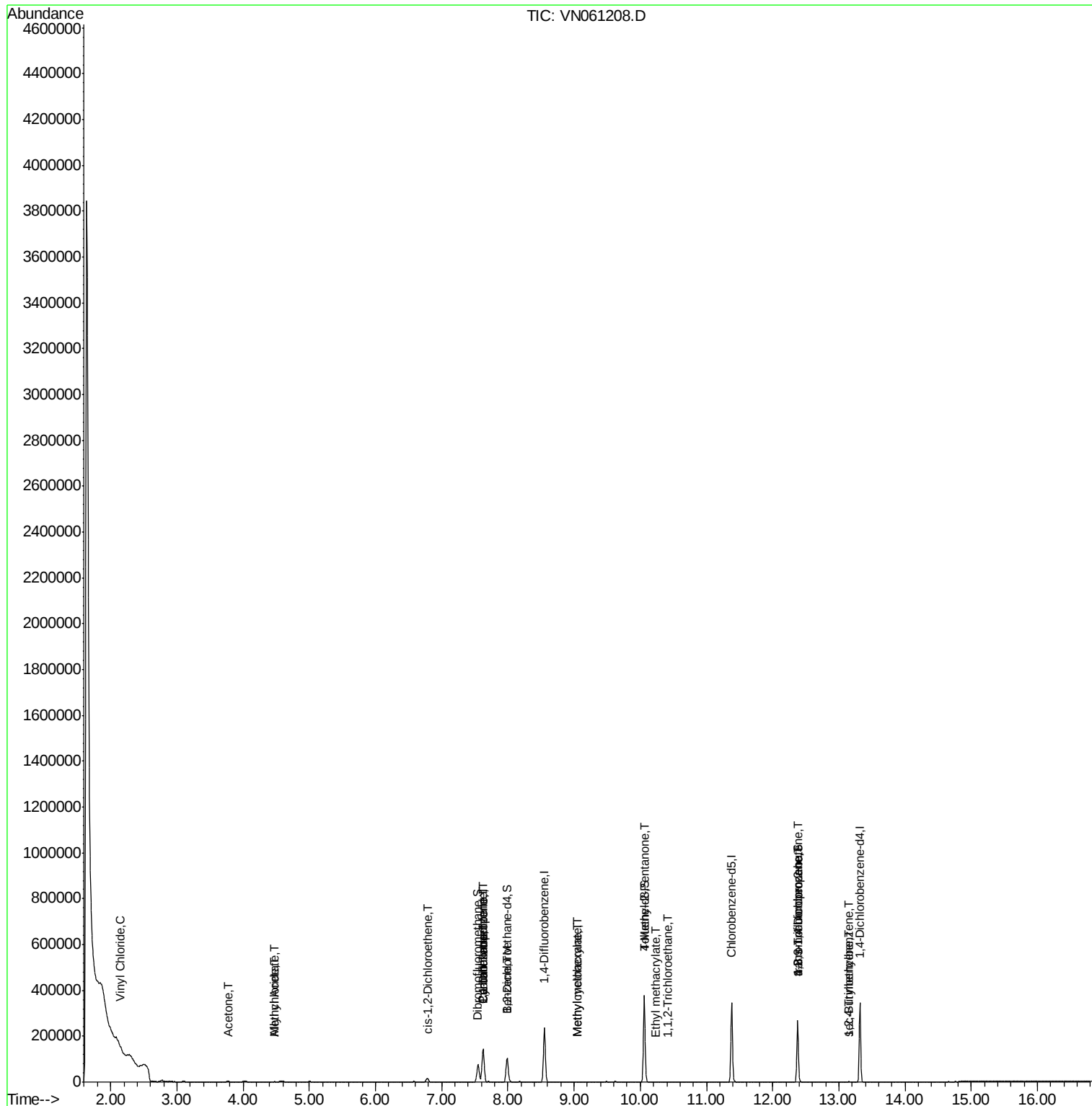
Target Compounds				Qvalue		
4) Vinyl Chloride	2.16	62	4048	2.483	ug/l	97
14) Allyl chloride	4.48	41	505	0.231	ug/l #	33
16) Acetone	3.77	43	5923	3.206	ug/l	93
18) Methyl Acetate	4.47	43	1394	1.295	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	9836	6.527	ug/l	84
31) Cyclohexane	7.62	56	5169	2.009	ug/l #	50
36) 1,1-Dichloropropene	7.63	75	9593	4.845	ug/l #	47
38) Carbon Tetrachloride	7.63	117	11406	8.312	ug/l #	17
39) Methylcyclohexane	9.04	83	732	0.330	ug/l	94
40) Benzene	8.00	78	7871	1.334	ug/l	98
48) Methyl methacrylate	9.05	41	463	0.266	ug/l #	24
51) 4-Methyl-2-Pentanone	10.06	43	1306	0.576	ug/l #	1
55) 1,1,2-Trichloroethane	10.40	97	349	0.246	ug/l #	14
56) Ethyl methacrylate	10.23	69	127	2.776	ug/l #	36
76) 1,2,3-Trichloropropane	12.38	75	49265	27.238	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49265	69.170	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.15	105	1579	0.294	ug/l #	32
85) sec-Butylbenzene	13.15	105	1579	0.263	ug/l #	77

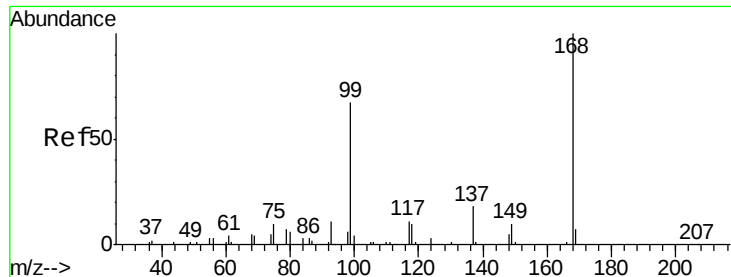
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN061208.D
Acq On : 30 Apr 2020 17:51
Operator : JC/MD
Sample : L2458-06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S73-0246

Quant Time: May 01 02:19:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 29 08:14:26 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061208.D

Acq: 30 Apr 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

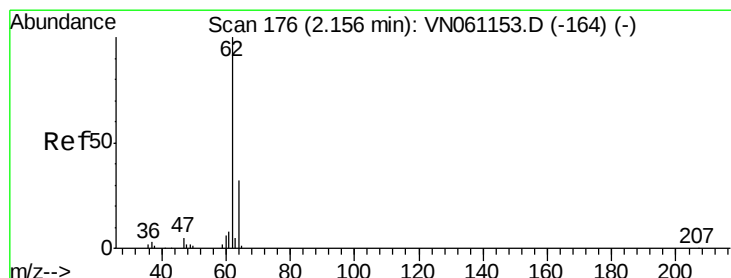
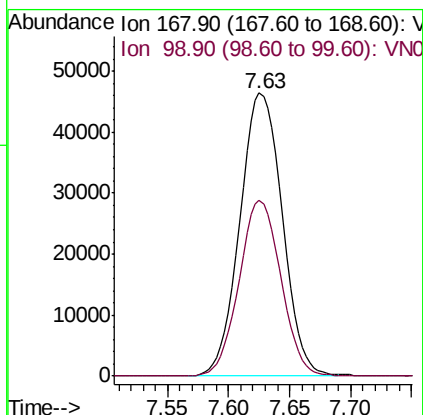
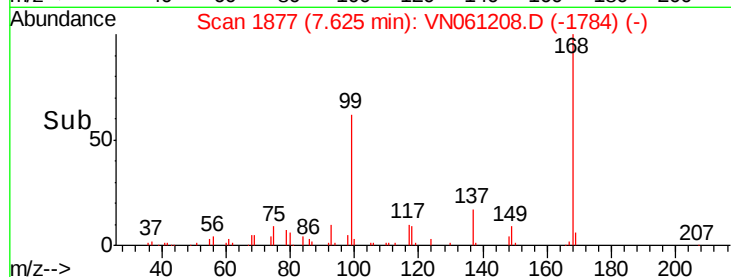
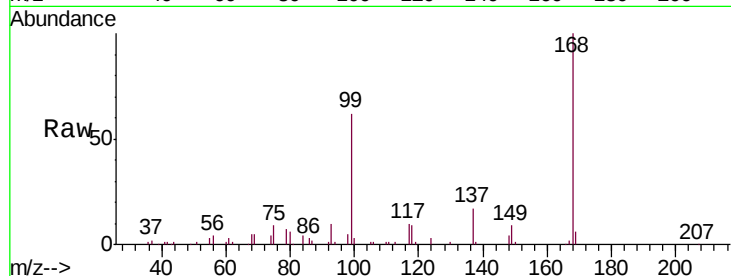
S73-0246

Tgt Ion: 168 Resp: 111768

Ion Ratio Lower Upper

168 100

99 62.1 51.2 76.8



#4

Vinyl Chloride

Concen: 2.483 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061208.D

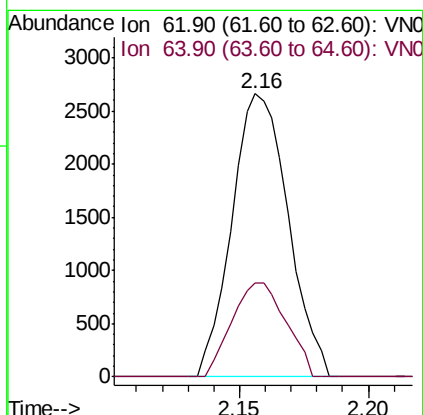
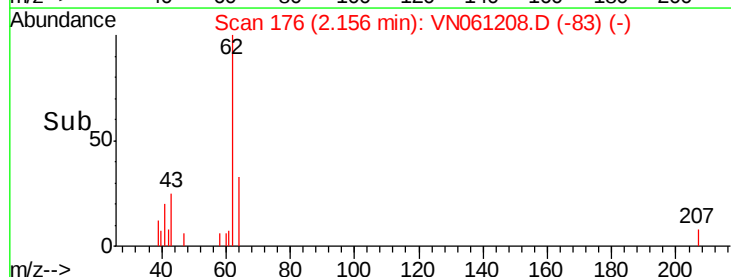
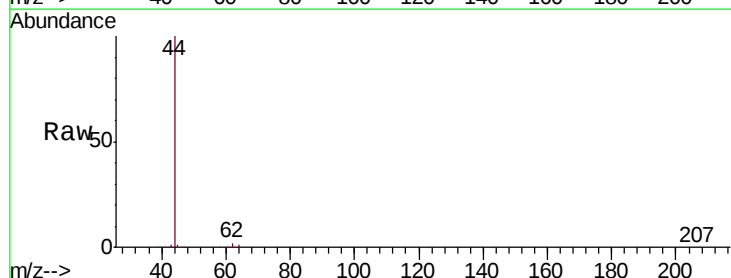
Acq: 30 Apr 2020 17:51

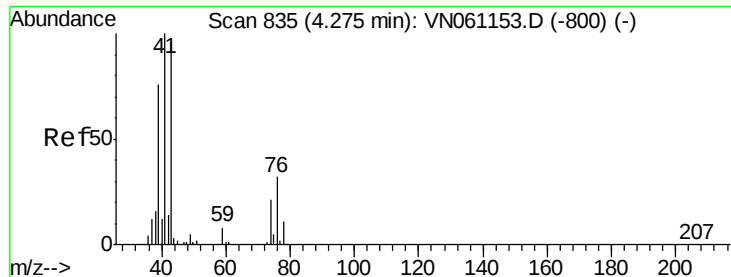
Tgt Ion: 62 Resp: 4048

Ion Ratio Lower Upper

62 100

64 33.4 25.2 37.8





#14

Allyl chloride

Concen: 0.231 ug/l

RT: 4.48 min Scan# 898

Delta R.T. 0.20 min

Lab File: VN061208.D

Acq: 30 Apr 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

S73-0246

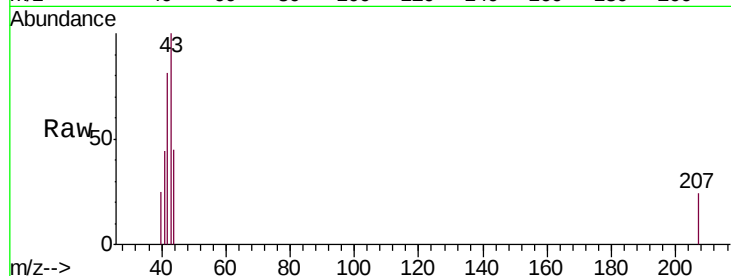
Tgt Ion: 41 Resp: 505

Ion Ratio Lower Upper

41 100

39 12.1 57.1 85.7#

76 0.0 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VN061153.D (-800) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-800) (-)

Ion 75.90 (75.60 to 76.60): VN061153.D (-800) (-)

4.48

300

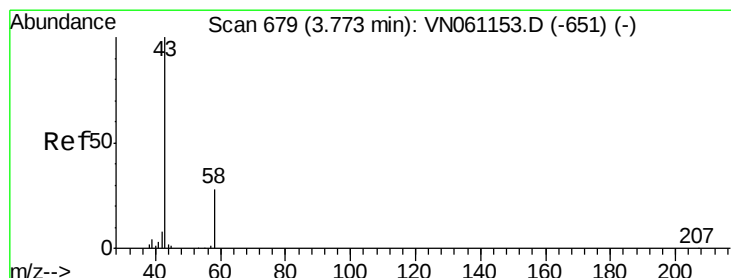
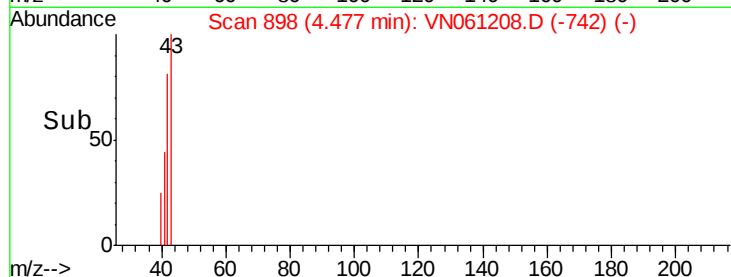
200

100

0

4.44 4.46 4.48

Time-->



#16

Acetone

Concen: 3.206 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061208.D

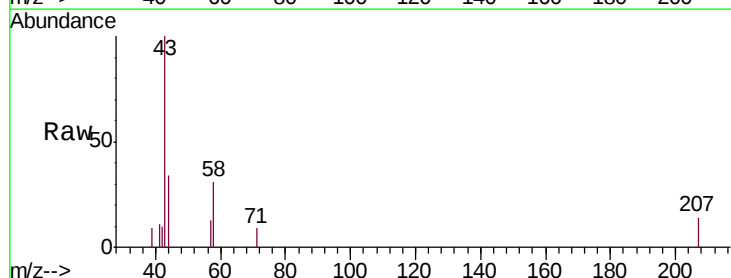
Acq: 30 Apr 2020 17:51

Tgt Ion: 43 Resp: 5923

Ion Ratio Lower Upper

43 100

58 31.3 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-651) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-651) (-)

3.77

2000

1500

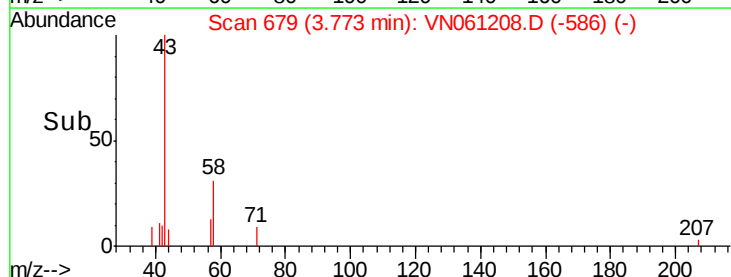
1000

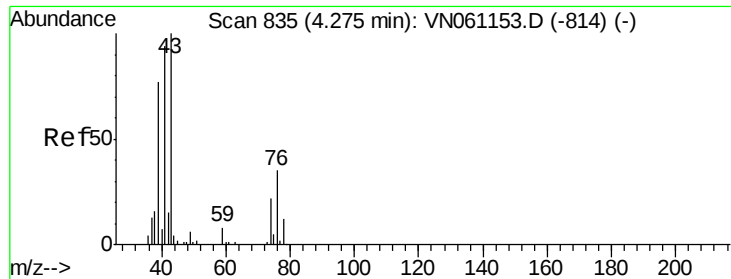
500

0

3.70 3.75 3.80 3.85

Time-->

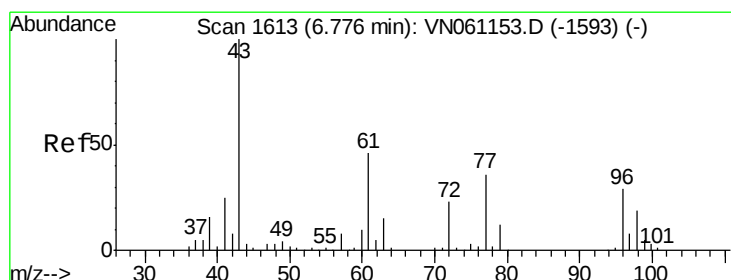
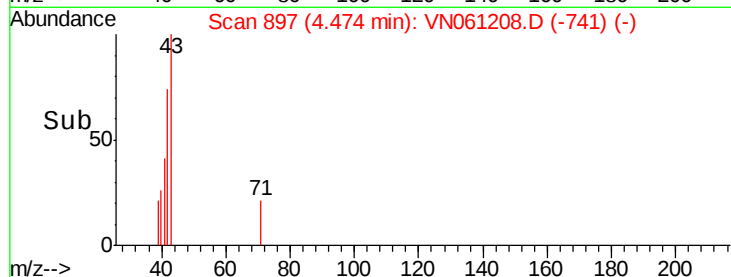
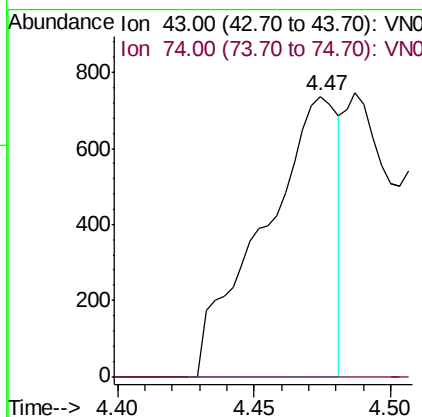
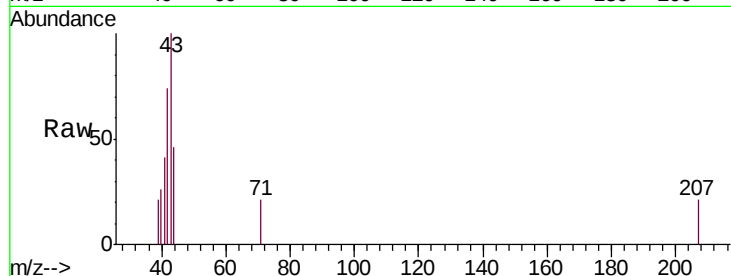




#18
Methyl Acetate
Concen: 1.295 ug/l
RT: 4.47 min Scan# 897
Delta R.T. 0.20 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

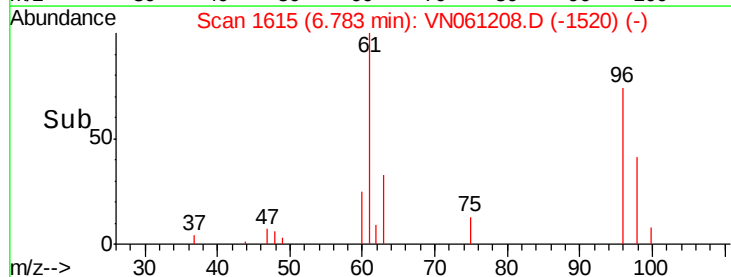
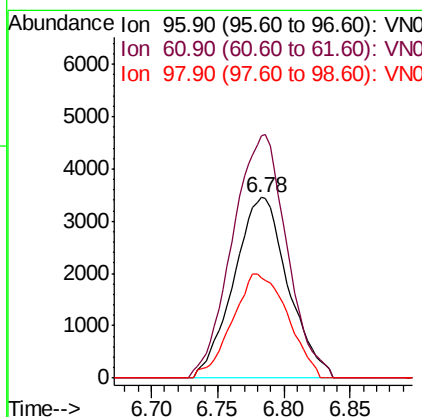
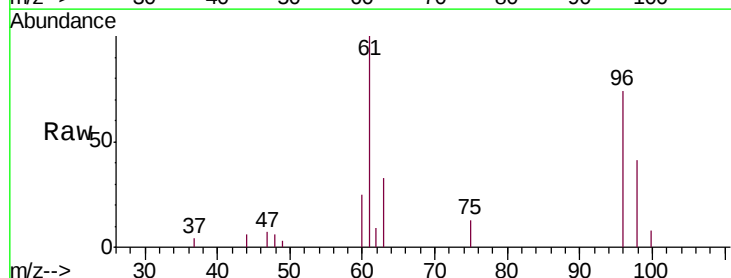
Instrument :
MSVOA_N
ClientSampleId :
S73-0246

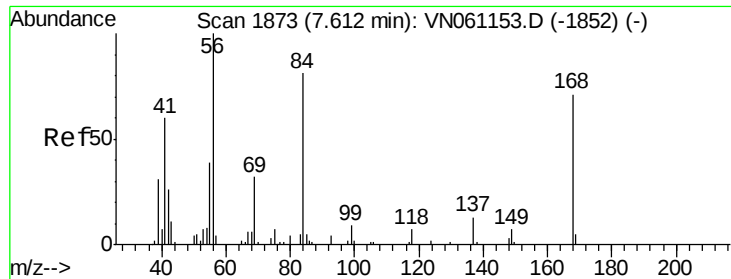
Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#27
cis-1,2-Dichloroethene
Concen: 6.527 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.01 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

Tgt Ion: 96 Resp: 9836
Ion Ratio Lower Upper
96 100
61 135.1 0.0 322.0
98 59.0 0.0 129.6

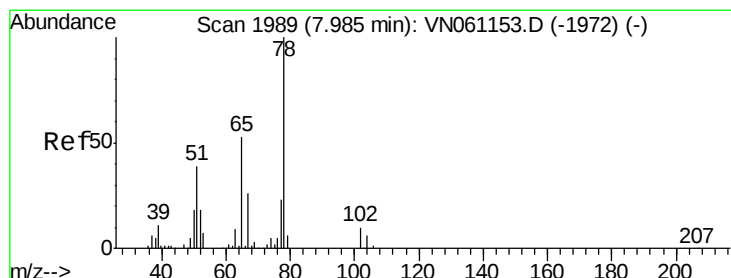
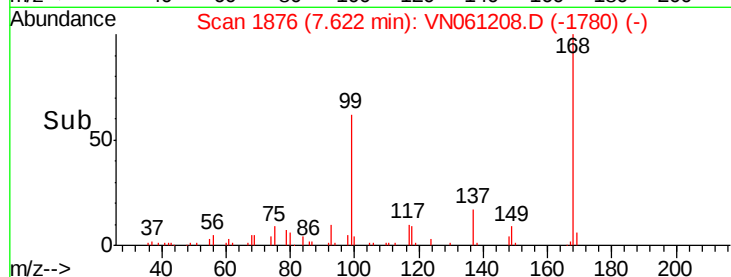
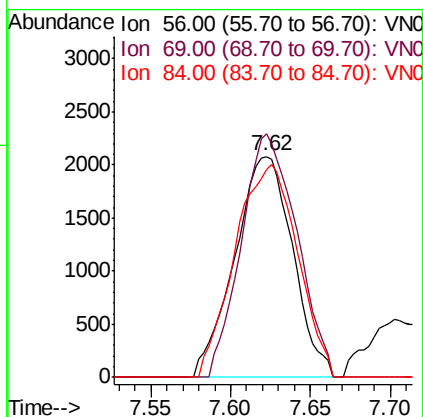
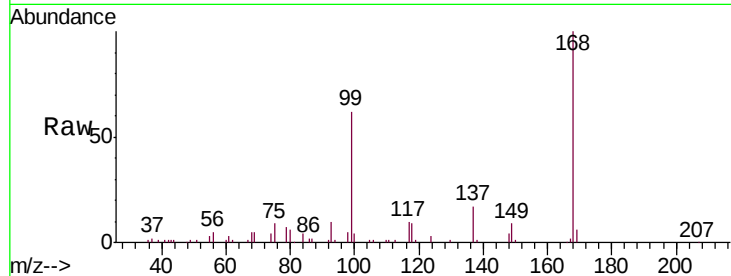




#31
Cyclohexane
Concen: 2.009 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

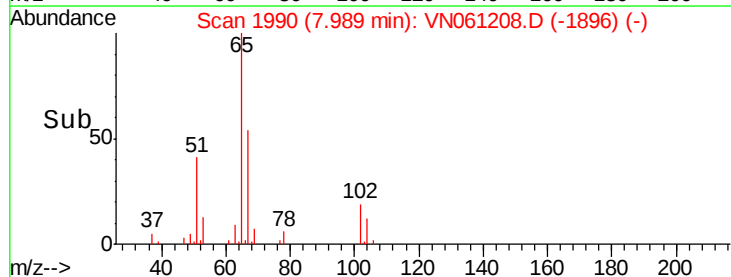
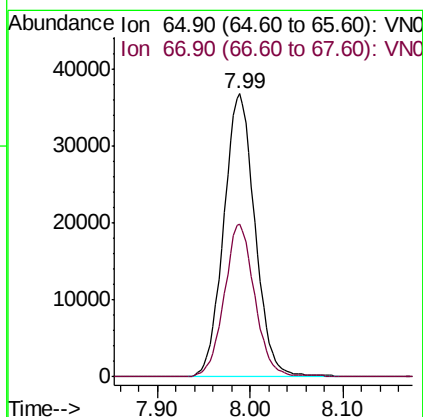
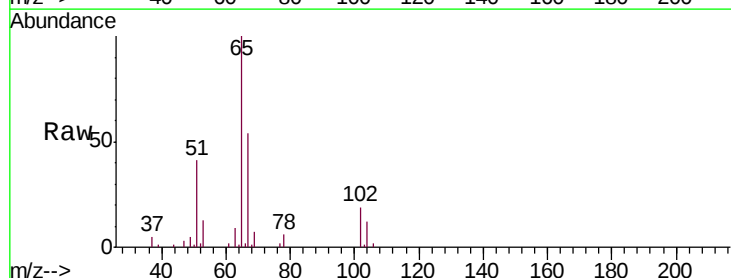
Instrument :
MSVOA_N
ClientSampled :
S73-0246

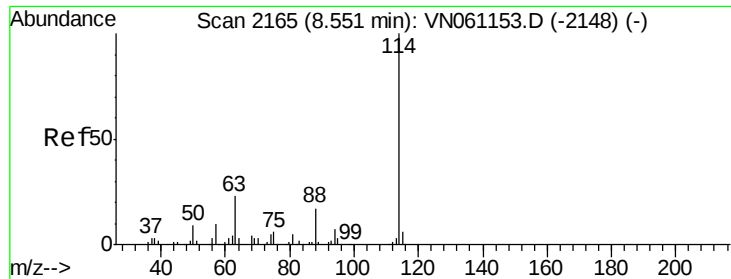
Tgt Ion: 56 Resp: 5169
Ion Ratio Lower Upper
56 100
69 110.1 25.7 38.5#
84 93.9 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 48.530 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

Tgt Ion: 65 Resp: 85827
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.6

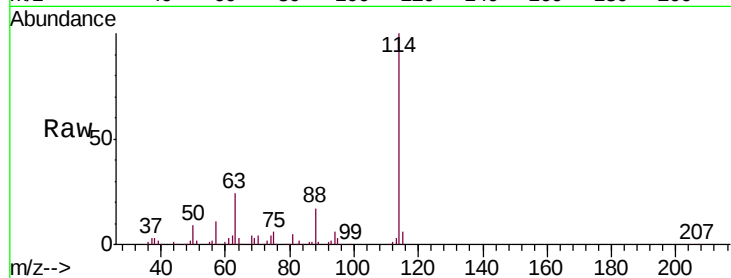




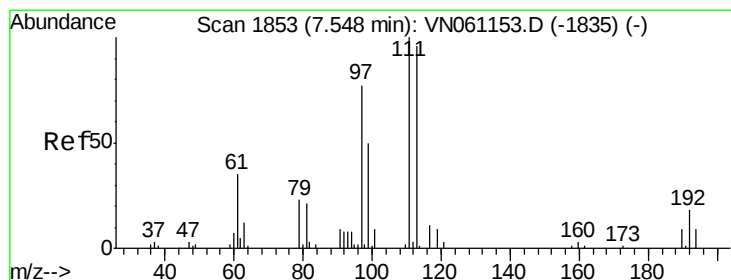
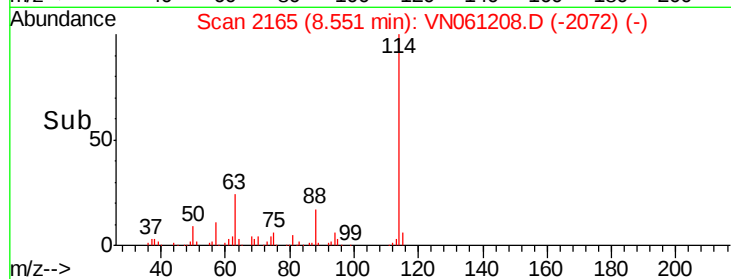
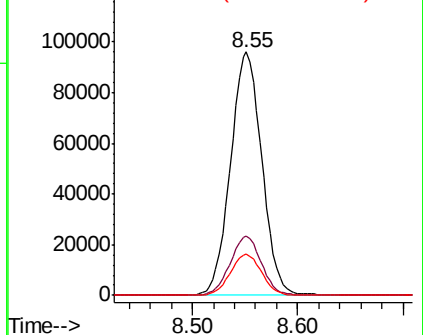
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 S73-0246

Tgt Ion:114 Resp: 197795
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.6
 88 16.9 0.0 33.4

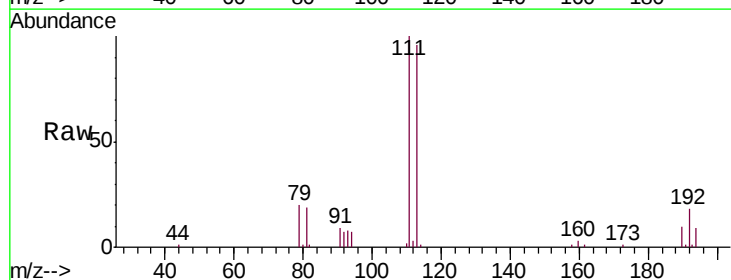


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

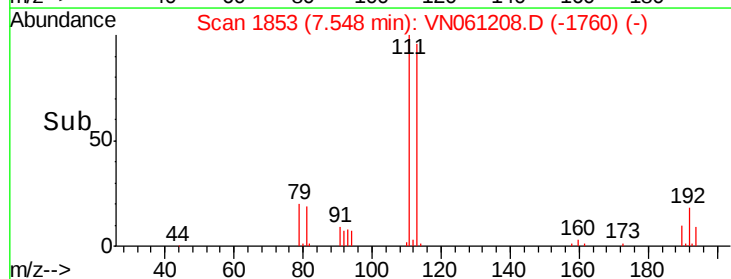
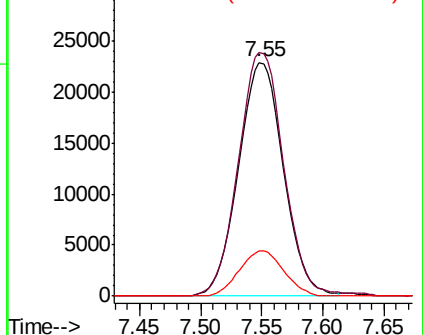


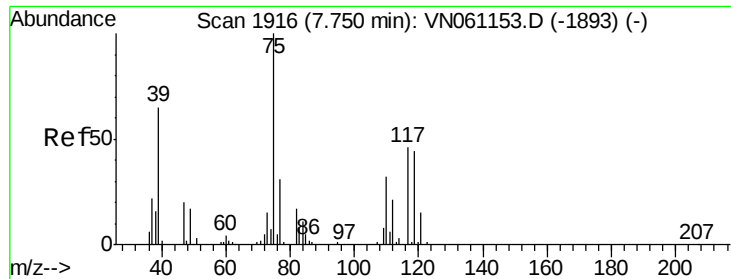
#35
 Dibromofluoromethane
 Concen: 49.926 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

Tgt Ion:113 Resp: 58394
 Ion Ratio Lower Upper
 113 100
 111 105.4 82.9 124.3
 192 19.2 14.7 22.1



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

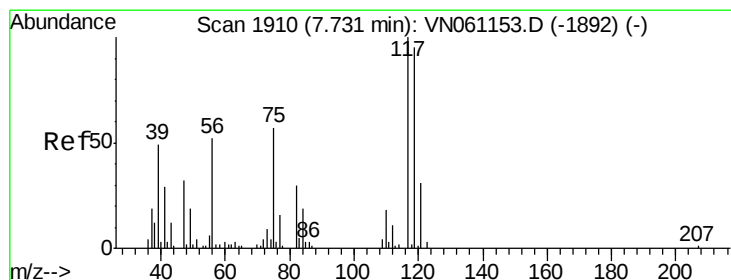
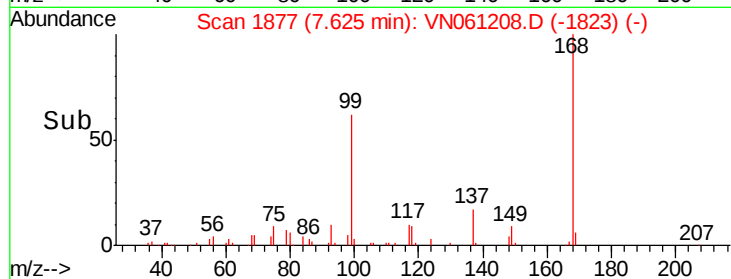
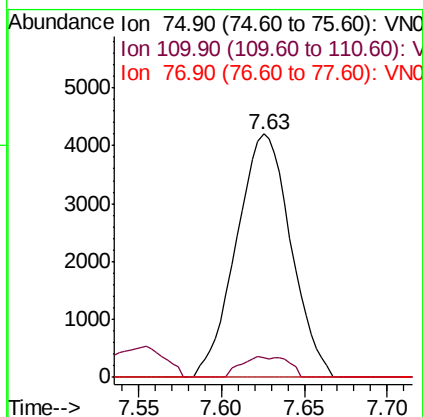
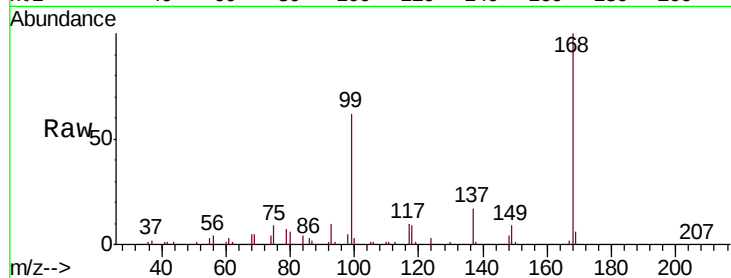




#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

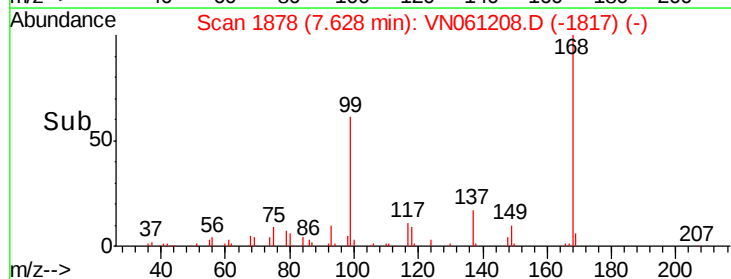
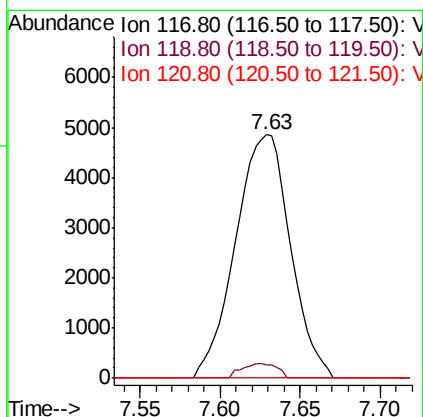
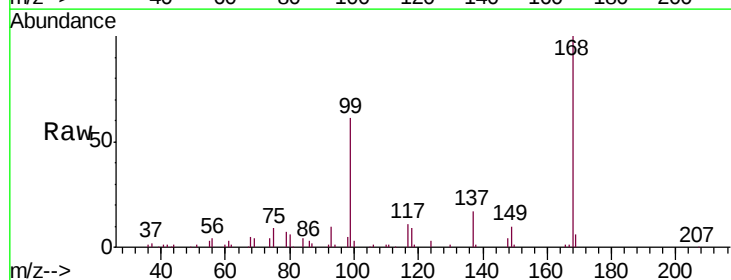
Instrument :
 MSVOA_N
 ClientSampled :
 S73-0246

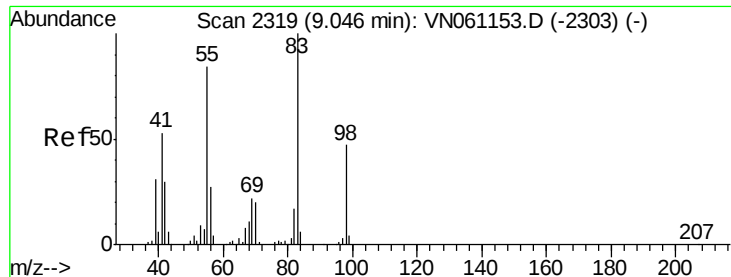
Tgt Ion: 75 Resp: 9593
 Ion Ratio Lower Upper
 75 100
 110 4.4 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.312 ug/l
 RT: 7.63 min Scan# 1878
 Delta R.T. -0.10 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

Tgt Ion: 117 Resp: 11406
 Ion Ratio Lower Upper
 117 100
 119 5.5 75.8 113.6#
 121 0.0 24.7 37.1#

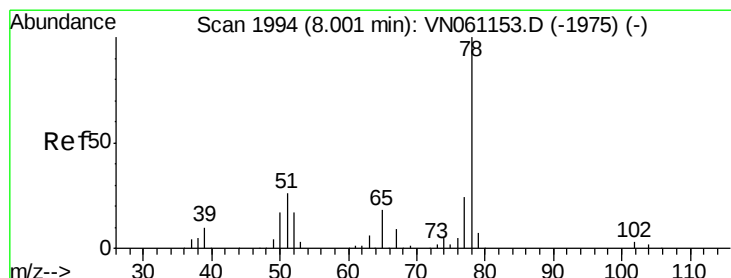
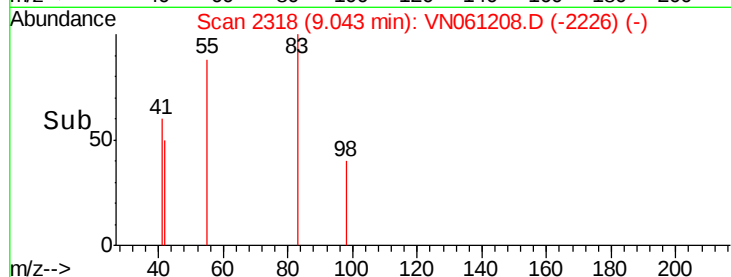
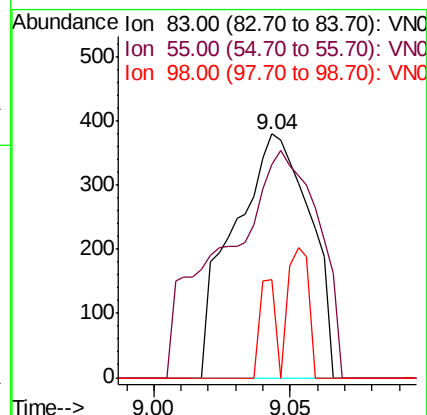
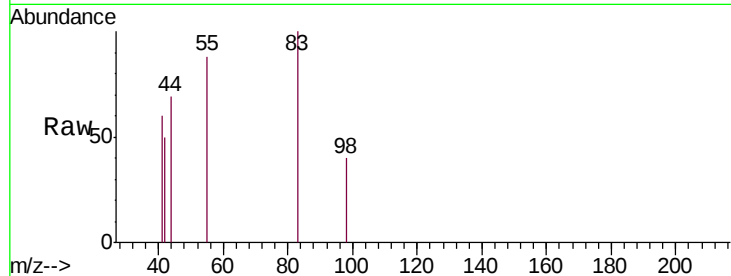




#39
Methylcyclohexane
Concen: 0.330 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

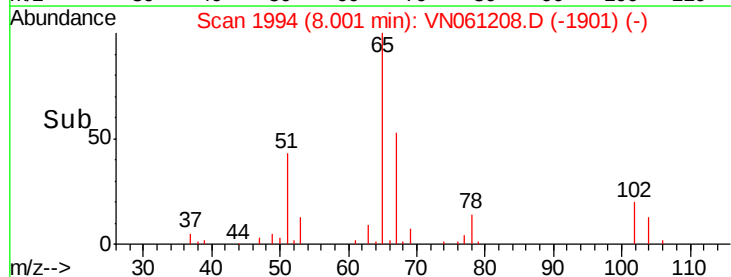
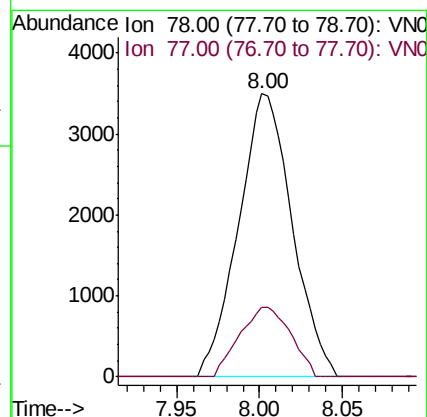
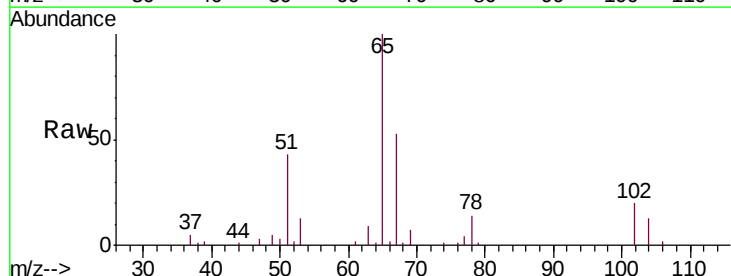
Instrument :
MSVOA_N
ClientSampleId :
S73-0246

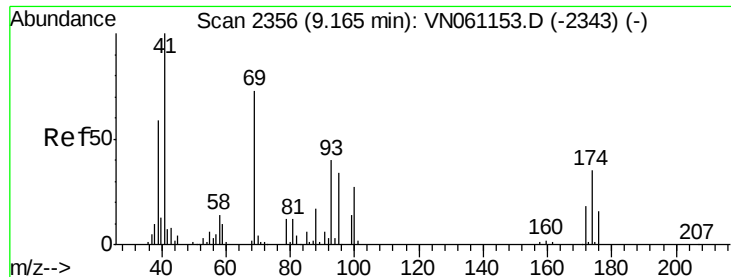
Tgt Ion: 83 Resp: 732
Ion Ratio Lower Upper
83 100
55 87.6 67.3 100.9
98 40.4 37.7 56.5



#40
Benzene
Concen: 1.334 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

Tgt Ion: 78 Resp: 7871
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6

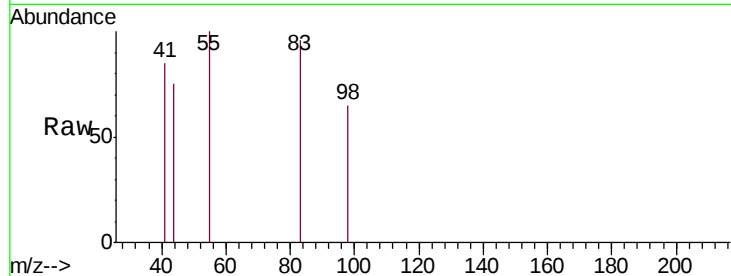




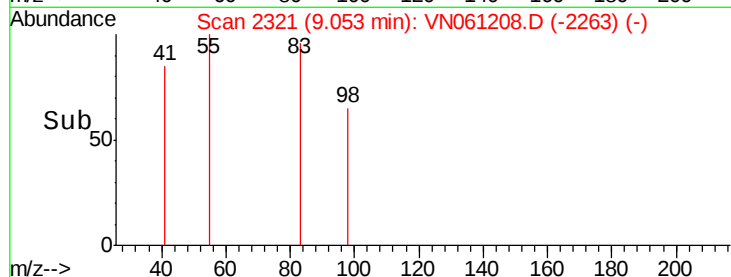
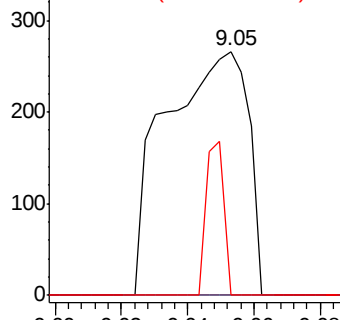
#48
Methyl methacrylate
Concen: 0.266 ug/l
RT: 9.05 min Scan# 2321
Delta R.T. -0.11 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
S73-0246

Tgt Ion: 41 Resp: 463
Ion Ratio Lower Upper
41 100
69 0.0 60.3 90.5#
39 13.6 47.4 71.0#

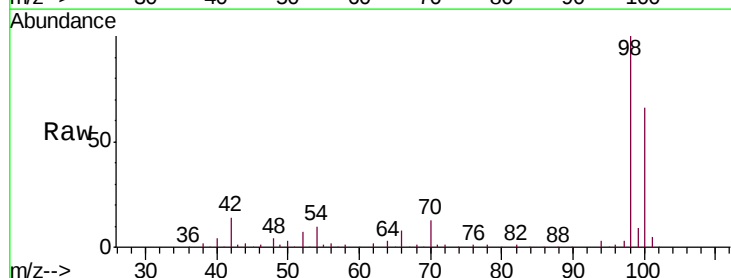
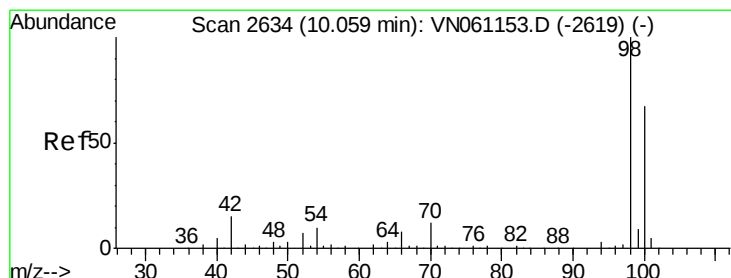


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

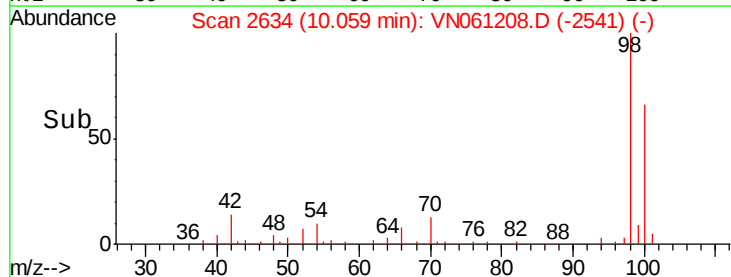
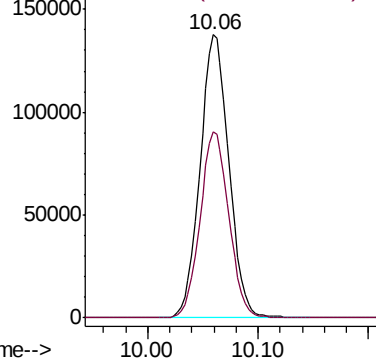


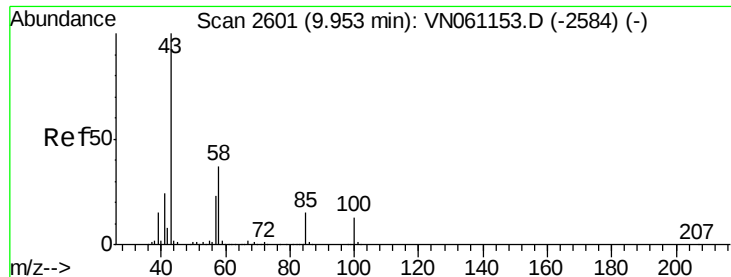
#50
Toluene-d8
Concen: 52.239 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

Tgt Ion: 98 Resp: 249070
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.576 ug/l

RT: 10.06 min Scan# 2635

Delta R.T. 0.11 min

Lab File: VN061208.D

Acq: 30 Apr 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

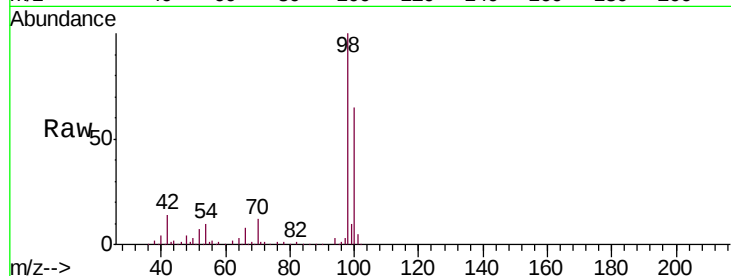
S73-0246

Tgt Ion: 43 Resp: 1306

Ion Ratio Lower Upper

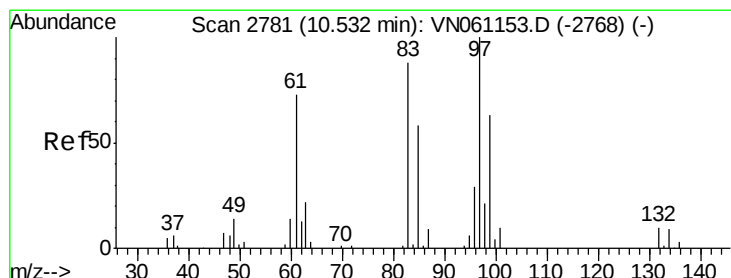
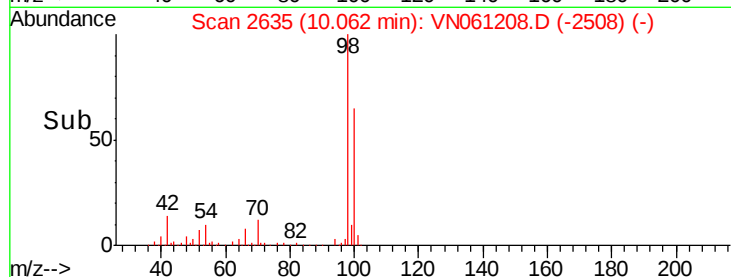
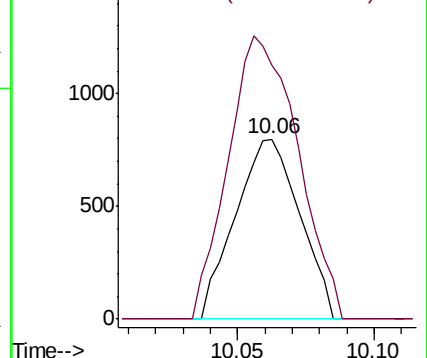
43 100

58 170.4 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)



#55

1,1,2-Trichloroethane

Concen: 0.246 ug/l

RT: 10.40 min Scan# 2741

Delta R.T. -0.13 min

Lab File: VN061208.D

Acq: 30 Apr 2020 17:51

Tgt Ion: 97 Resp: 349

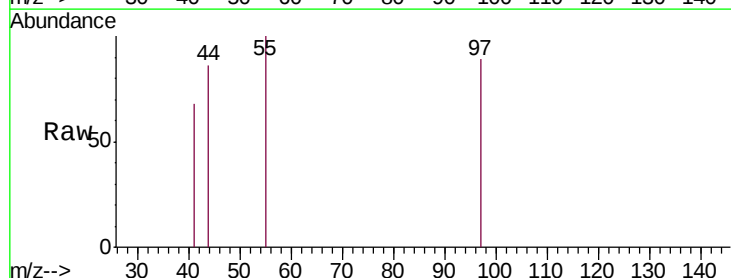
Ion Ratio Lower Upper

97 100

83 0.0 70.6 106.0#

85 0.0 46.4 69.6#

99 0.0 50.6 75.8#

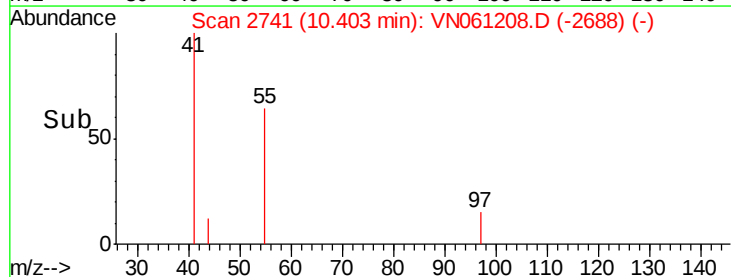
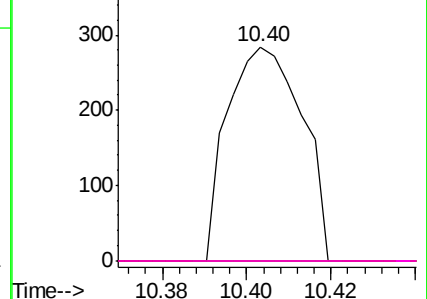


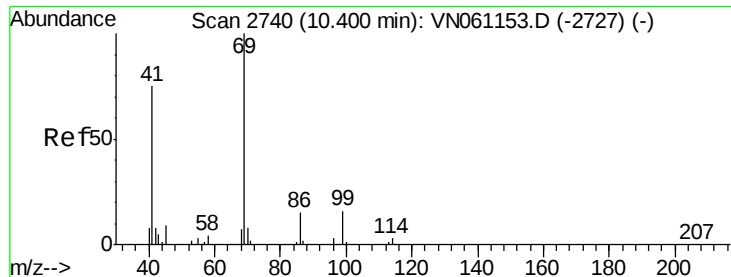
Abundance Ion 96.90 (96.60 to 97.60): VN061153.D (-2768) (-)

Ion 82.90 (82.60 to 83.60): VN061153.D (-2768) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2768) (-)

Ion 98.90 (98.60 to 99.60): VN061153.D (-2768) (-)





#56

Ethyl methacrylate

Concen: 2.776 ug/l

RT: 10.23 min Scan# 2686

Delta R.T. -0.17 min

Lab File: VN061208.D

Acq: 30 Apr 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

S73-0246

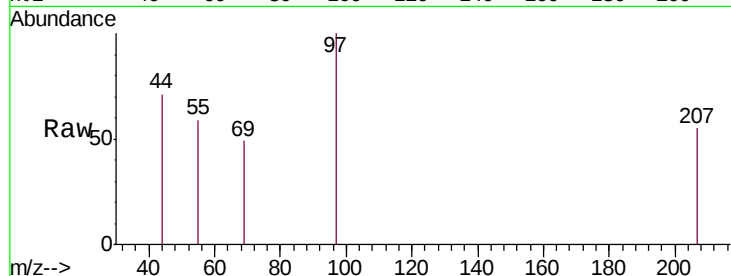
Tgt Ion: 69 Resp: 127

Ion Ratio Lower Upper

69 100

41 22.8 60.3 90.5#

39 0.0 35.9 53.9#

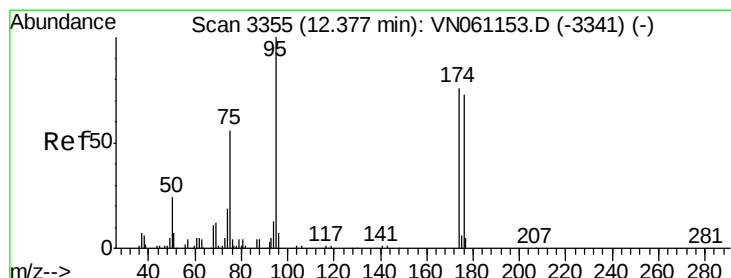
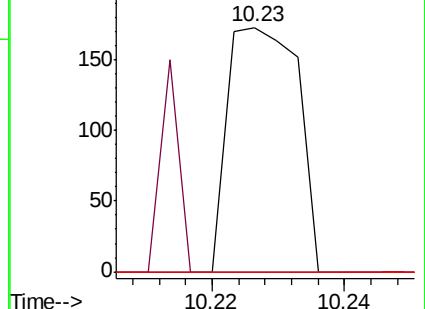
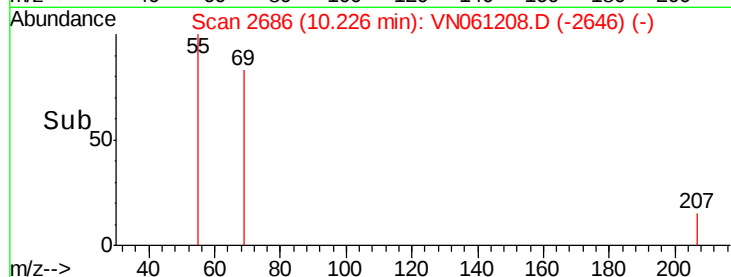


Abundance Ion 69.00 (68.70 to 69.70): VN061208.D (-2646) (-)

Ion 41.00 (40.70 to 41.70): VN061208.D (-2646) (-)

Ion 39.00 (38.70 to 39.70): VN061208.D (-2646) (-)

Time-->



#62

4-Bromofluorobenzene

Concen: 51.680 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061208.D

Acq: 30 Apr 2020 17:51

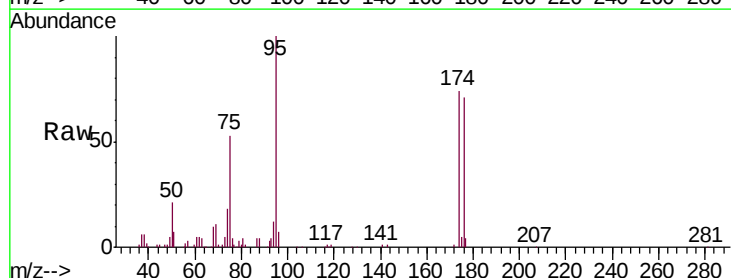
Tgt Ion: 95 Resp: 92727

Ion Ratio Lower Upper

95 100

174 73.5 0.0 149.4

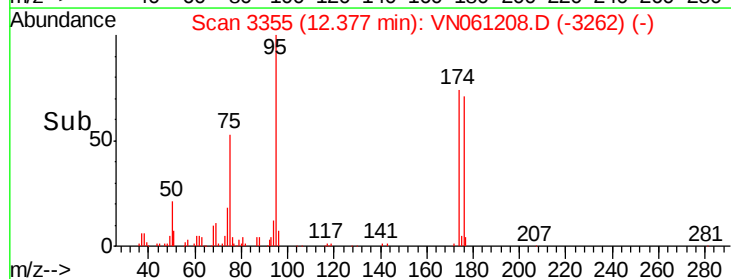
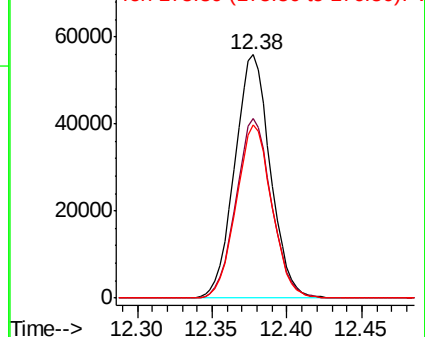
176 71.0 0.0 144.8

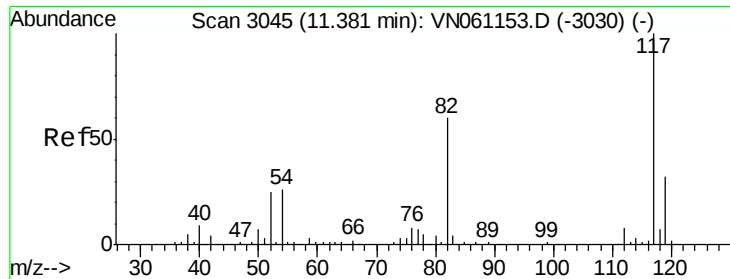


Abundance Ion 94.90 (94.60 to 95.60): VN061208.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061208.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061208.D (-3262) (-)

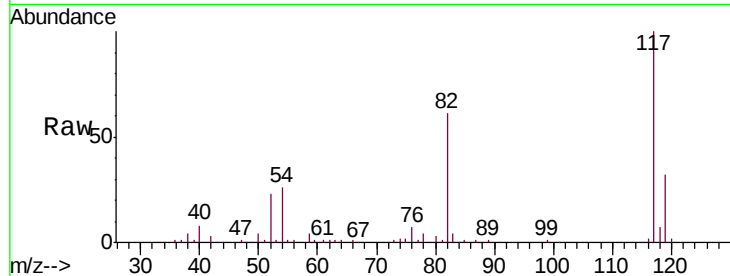




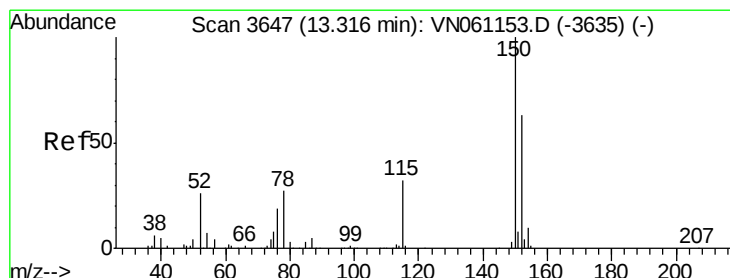
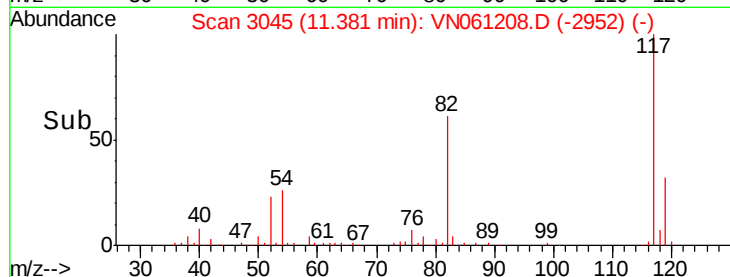
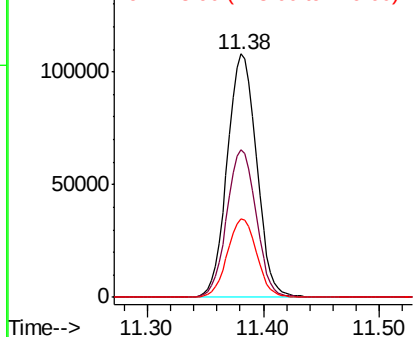
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

Instrument :
MSVOA_N
ClientSampled :
S73-0246

Tgt Ion:117 Resp: 189806
Ion Ratio Lower Upper
117 100
82 60.8 47.8 71.8
119 32.2 25.8 38.6

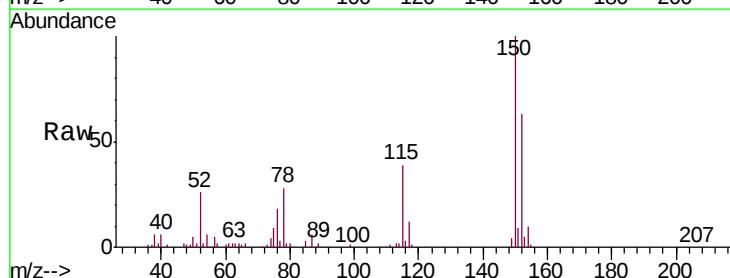


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

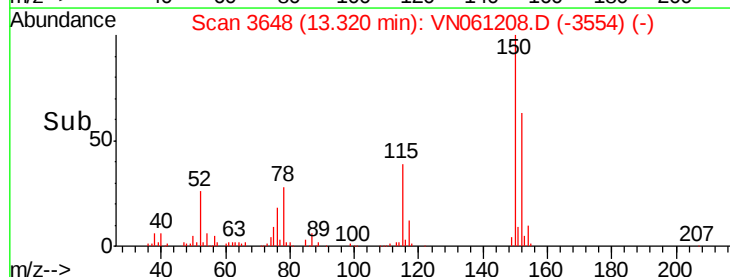
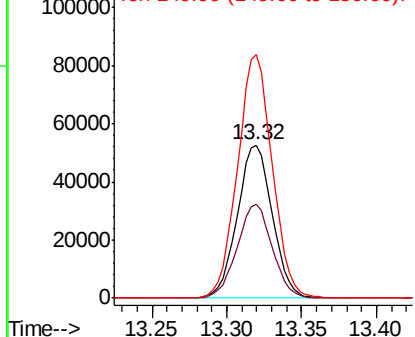


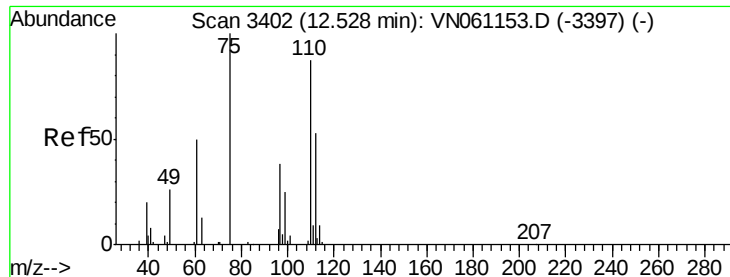
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061208.D
Acq: 30 Apr 2020 17:51

Tgt Ion:152 Resp: 85790
Ion Ratio Lower Upper
152 100
115 61.4 31.0 93.0
150 157.8 0.0 351.8



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

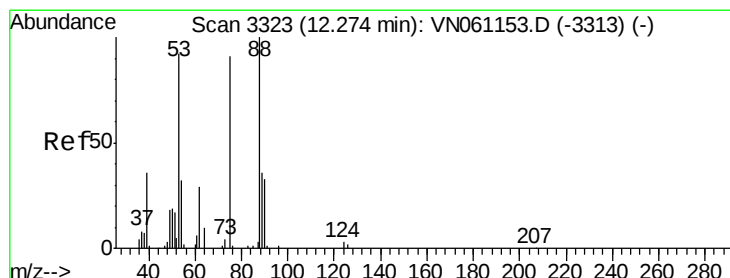
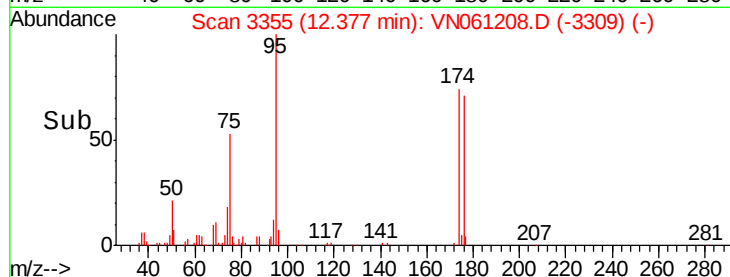
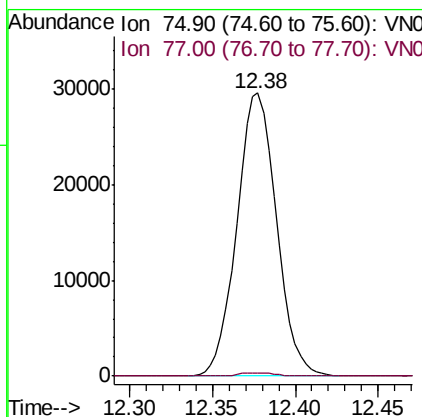
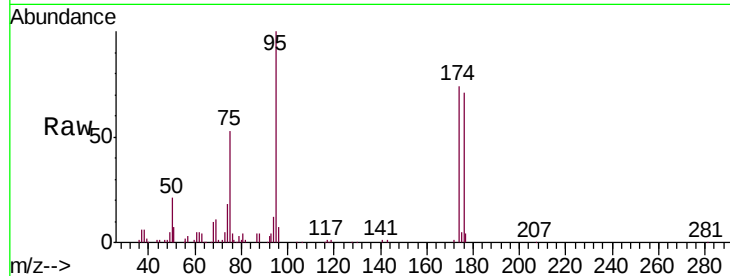




#76
 1,2,3-Trichloropropane
 Concen: 27.238 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. -0.15 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

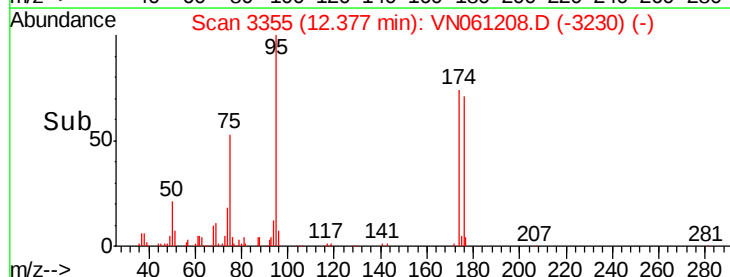
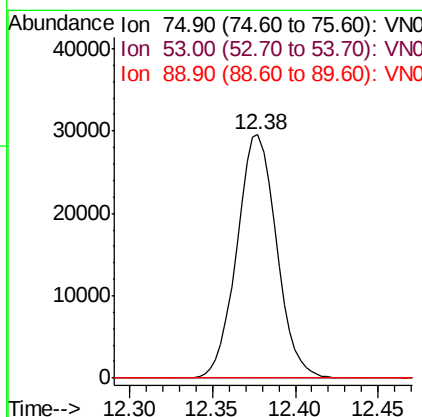
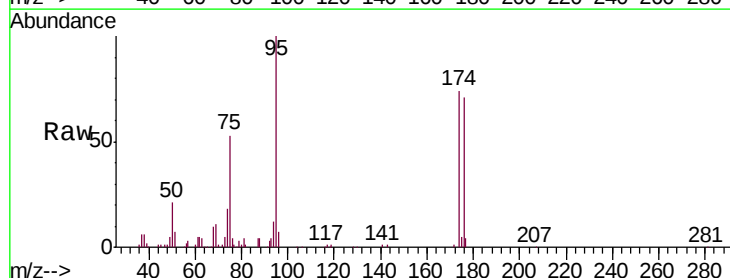
Instrument :
 MSVOA_N
 ClientSampleId :
 S73-0246

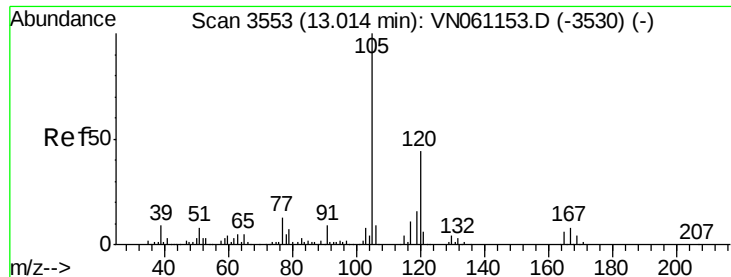
Tgt Ion: 75 Resp: 49265
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.170 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.10 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

Tgt Ion: 75 Resp: 49265
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.1 126.1#
 89 0.0 35.2 52.8#

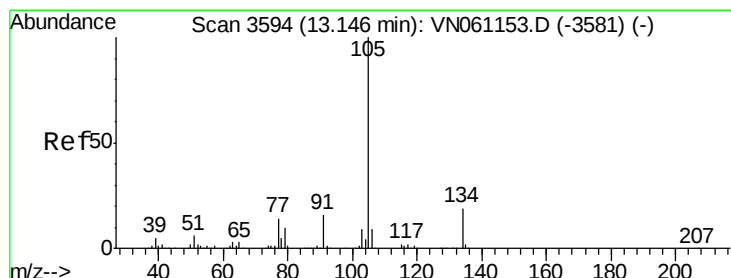
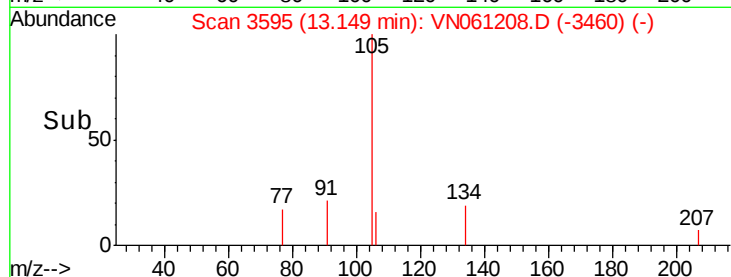
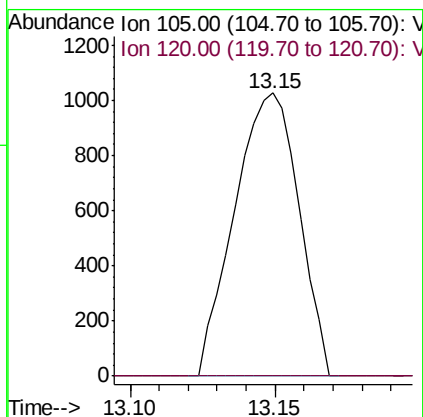
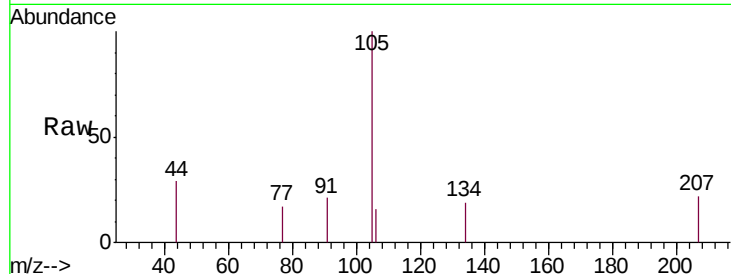




#84
 1,2,4-Trimethylbenzene
 Concen: 0.294 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.14 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 S73-0246

Tgt Ion:105 Resp: 1579
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.2 66.6#



#85
 sec-Butylbenzene
 Concen: 0.263 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VN061208.D
 Acq: 30 Apr 2020 17:51

Tgt Ion:105 Resp: 1579
 Ion Ratio Lower Upper
 105 100
 134 8.8 9.6 28.8#

