

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061247.D
 Acq On : 2 May 2020 2:04
 Operator : JC/MD
 Sample : VN0501WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 04 06:46:22 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	7.62	168	100789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	71885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	79715	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.54	113	51872	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.06	98	224220	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.37	95	80198	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

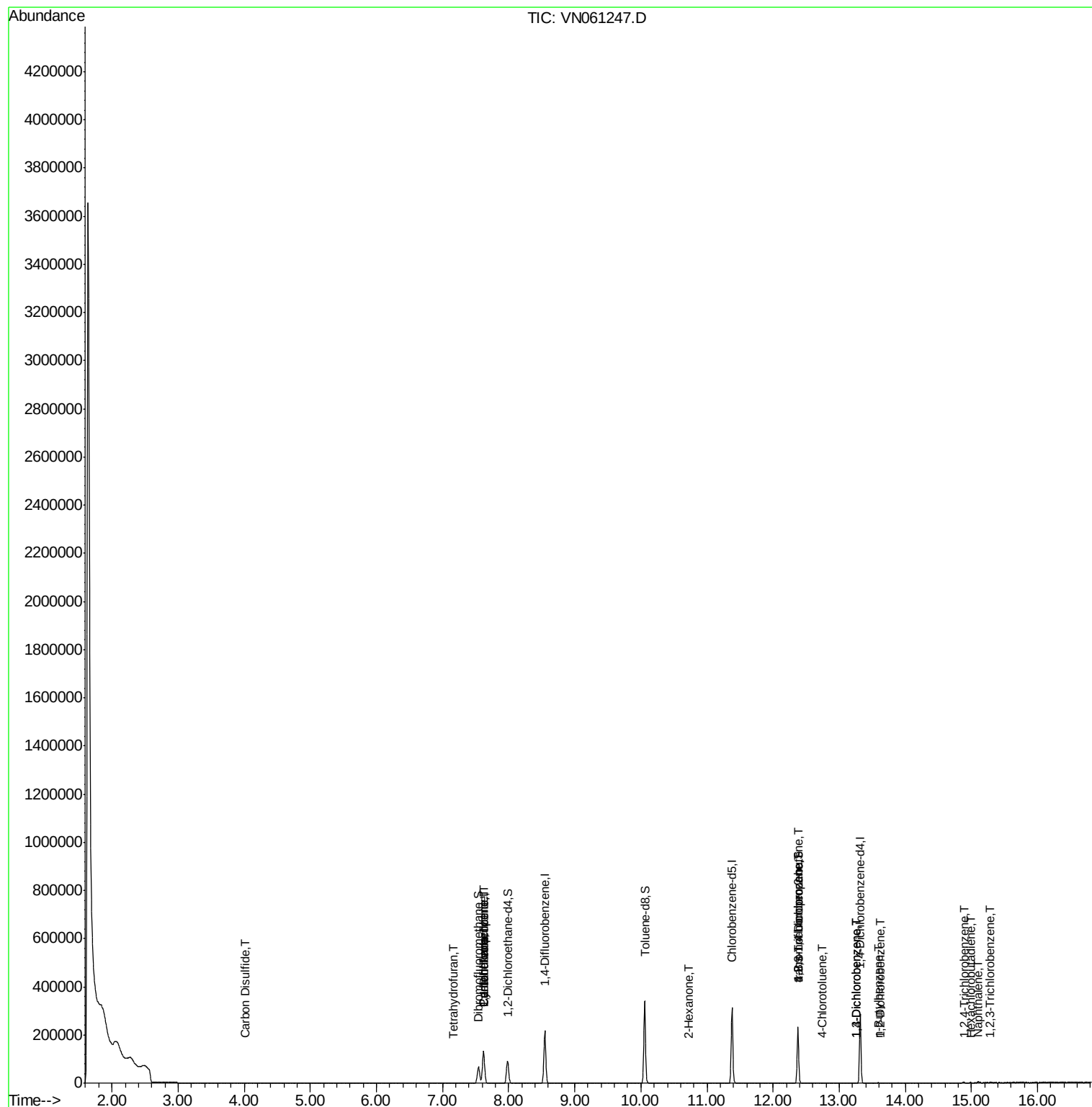
						Qvalue
16) Acetone	3.77	43	2313	Below Cal		95
17) Carbon Disulfide	4.01	76	1515	0.516	ug/l #	75
29) Tetrahydrofuran	7.16	42	320	0.503	ug/l #	37
31) Cyclohexane	7.62	56	2648	1.141	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	9173	5.111	ug/l #	49
38) Carbon Tetrachloride	7.62	117	10848	8.608	ug/l #	17
59) 2-Hexanone	10.72	43	713	0.477	ug/l	75
76) 1,2,3-Trichloropropane	12.37	75	43957	29.004	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	43957	73.656	ug/l #	8
82) 4-Chlorotoluene	12.75	91	919	0.237	ug/l #	61
87) 1,3-Dichlorobenzene	13.26	146	655	0.292	ug/l	86
88) 1,4-Dichlorobenzene	13.26	146	655	0.285	ug/l	87
89) n-Butylbenzene	13.59	91	1423	0.343	ug/l	84
91) 1,2-Dichlorobenzene	13.63	146	537	0.249	ug/l #	78
93) 1,2,4-Trichlorobenzene	14.89	180	988	0.753	ug/l	91
94) Hexachlorobutadiene	14.99	225	437	0.798	ug/l	87
95) Naphthalene	15.11	128	4236	0.992	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.28	180	1352	1.044	ug/l	89

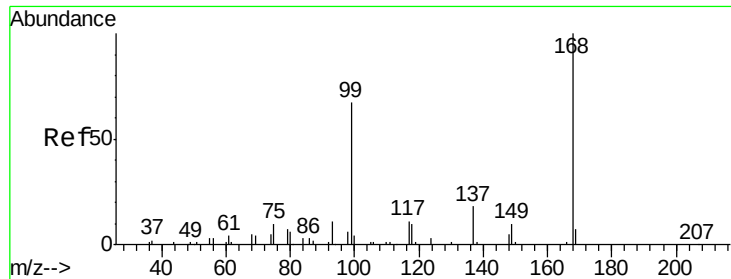
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061247.D

Acq: 2 May 2020 2:04

Instrument :

MSVOA_N

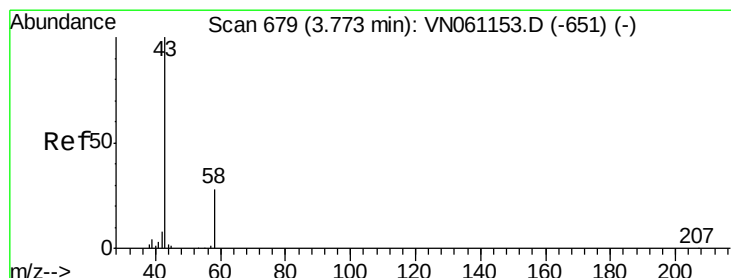
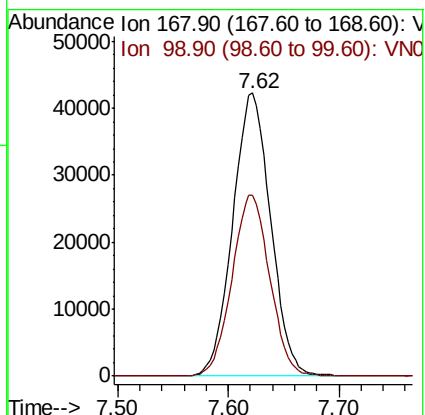
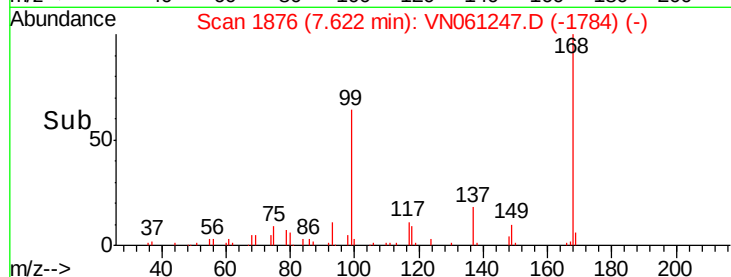
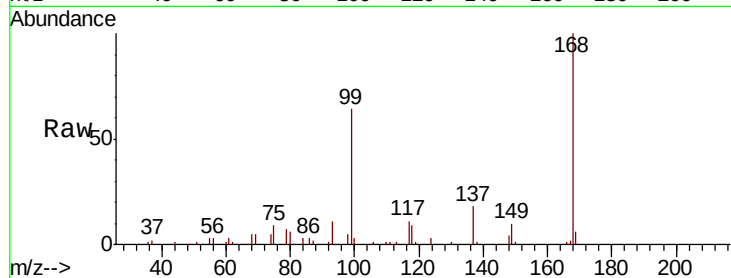
ClientSampleId :

Tot Ion:168 Resp: 100789

Ion Ratio Lower Upper

168 100

99 63.8 51.2 76.8



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061247.D

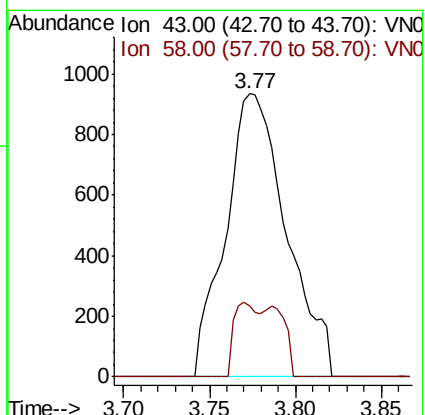
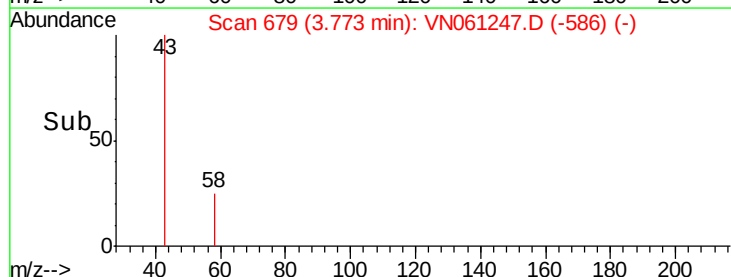
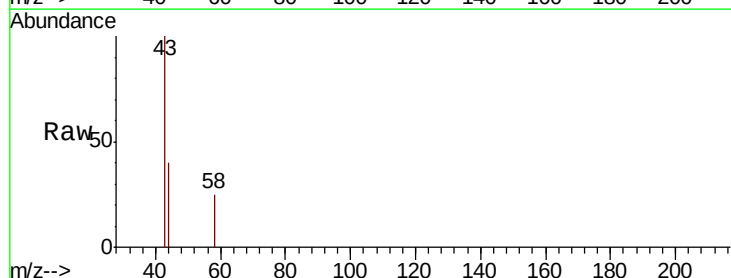
Acq: 2 May 2020 2:04

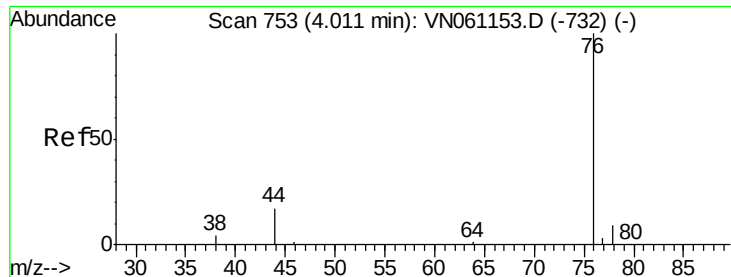
Tgt Ion: 43 Resp: 2313

Ion Ratio Lower Upper

43 100

58 24.8 22.2 33.2





#17

Carbon Disulfide

Concen: 0.516 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061247.D

Acq: 2 May 2020 2:04

Instrument :

MSVOA_N

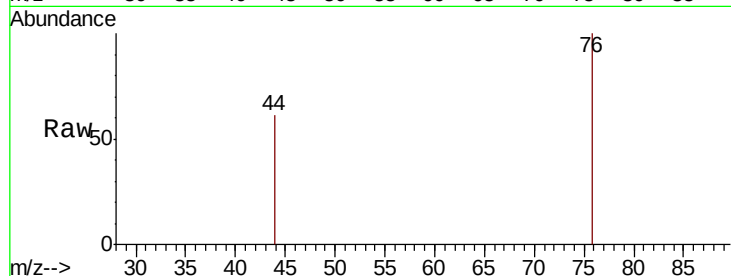
ClientSampleId :

Tot Ion: 76 Resp: 1515

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

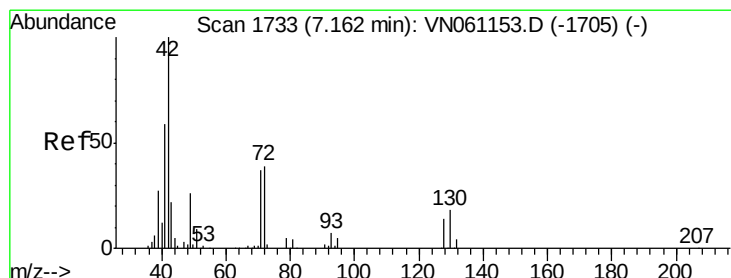
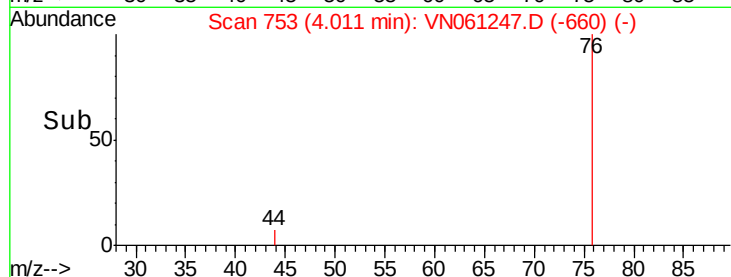
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.503 ug/l

RT: 7.16 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN061247.D

Acq: 2 May 2020 2:04

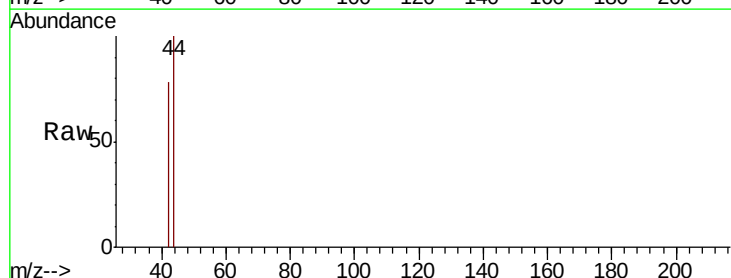
Tgt Ion: 42 Resp: 320

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

71 0.0 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

300

250

200

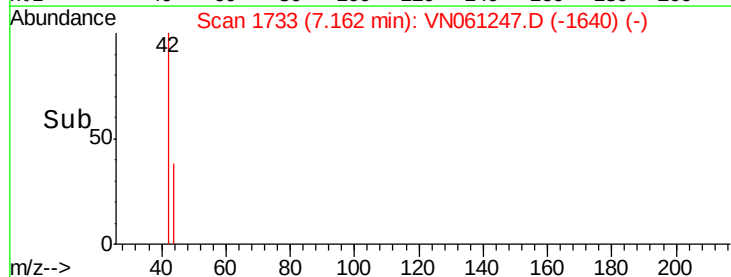
150

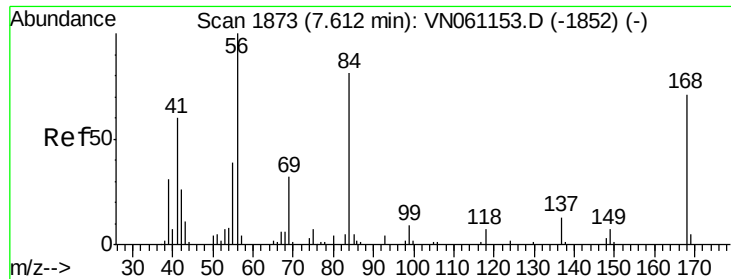
100

50

0

Time-->

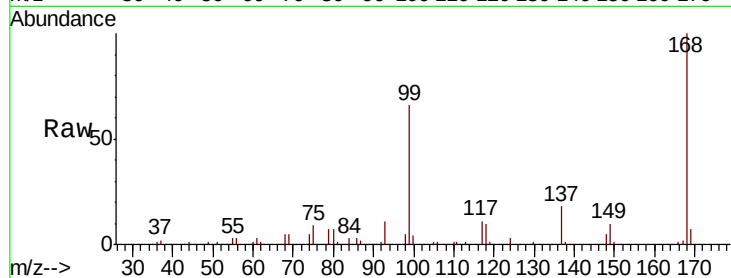




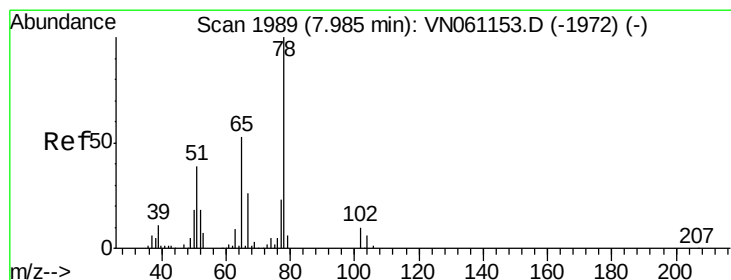
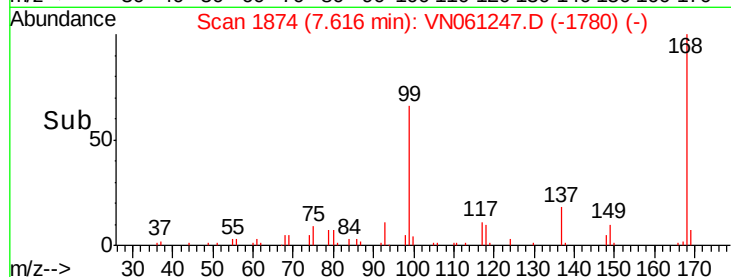
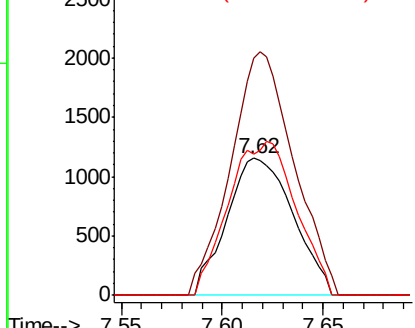
#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2648
Ion Ratio Lower Upper
56 100
69 173.3 25.7 38.5#
84 102.9 64.6 97.0#

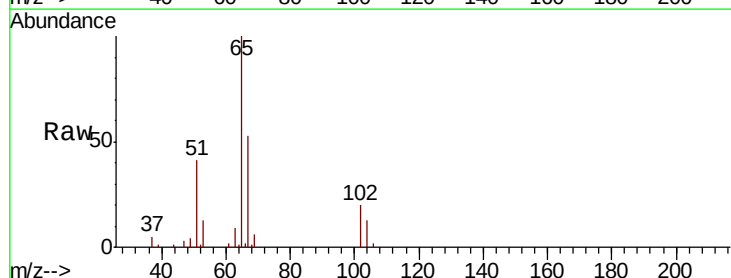


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

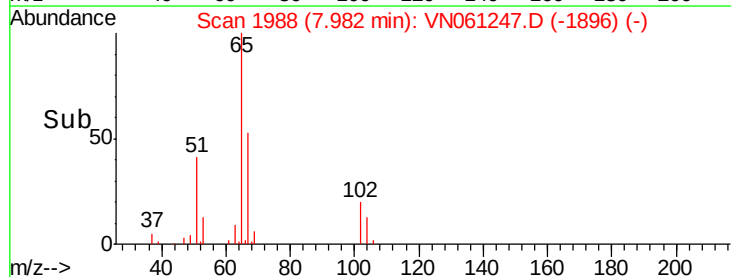
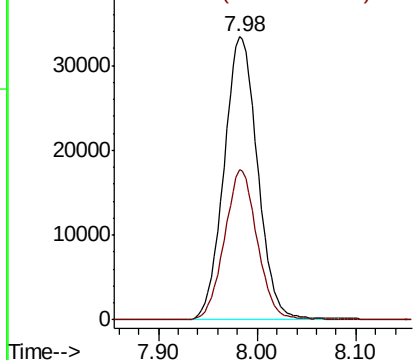


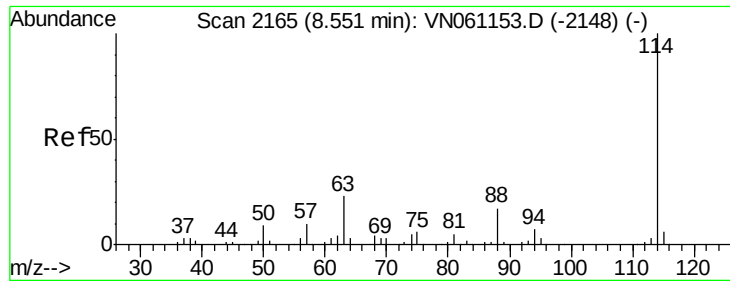
#33
1,2-Dichloroethane-d4
Concen: 49.984 ug/l
RT: 7.98 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Tgt Ion: 65 Resp: 79715
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.6



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

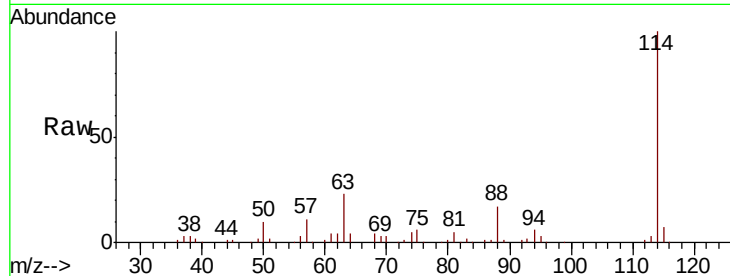




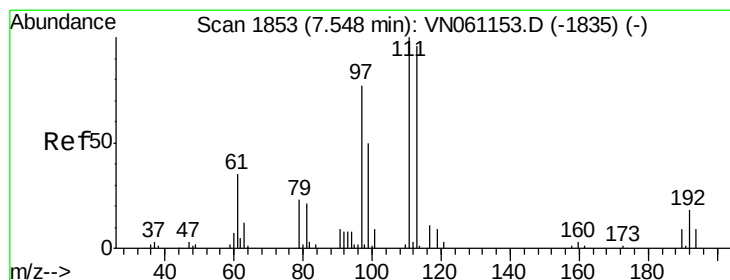
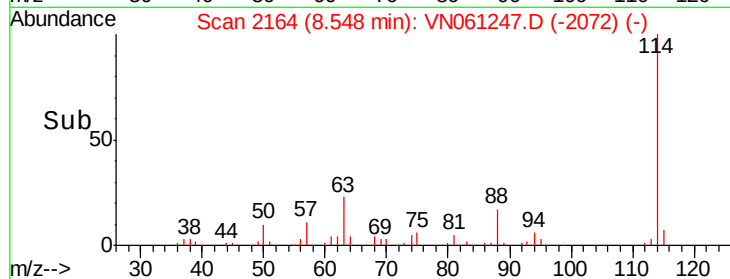
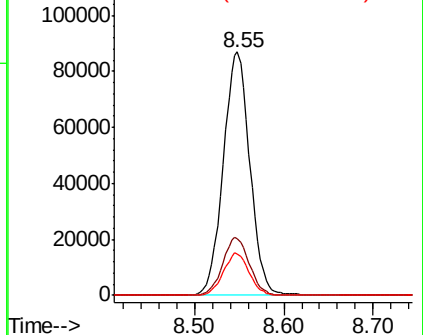
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 179286
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.6
 88 17.2 0.0 33.4

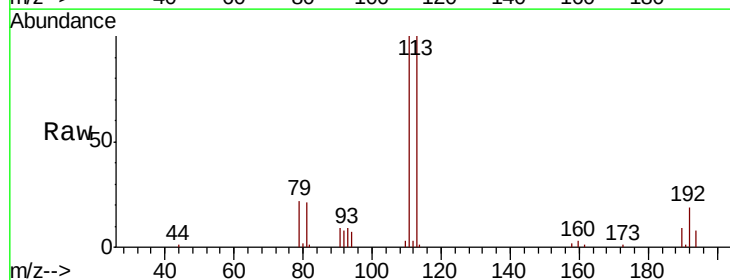


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

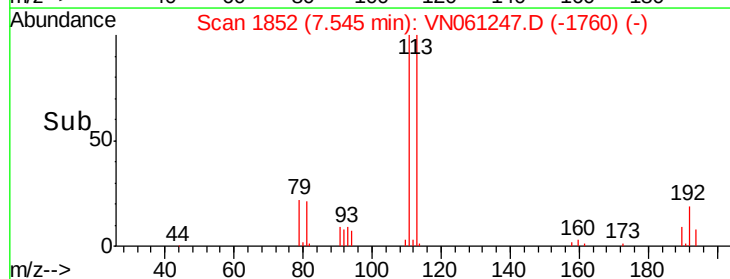
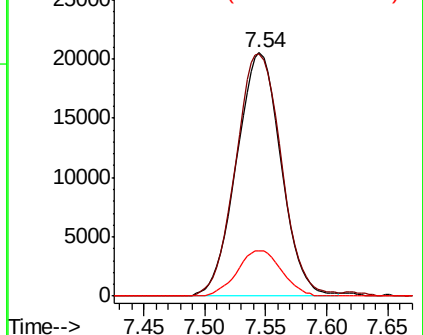


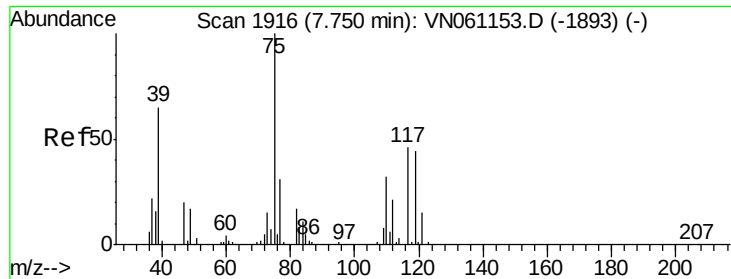
#35
 Dibromofluoromethane
 Concen: 48.928 ug/l
 RT: 7.54 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

Tgt Ion:113 Resp: 51872
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.9 124.3
 192 18.6 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

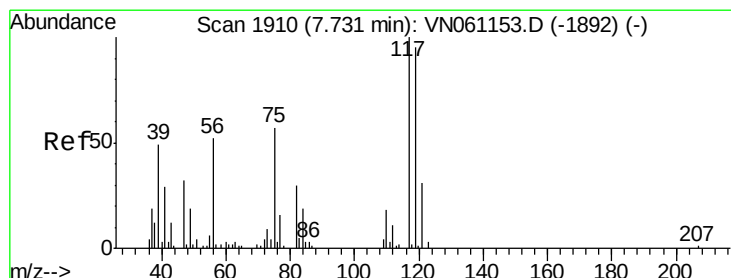
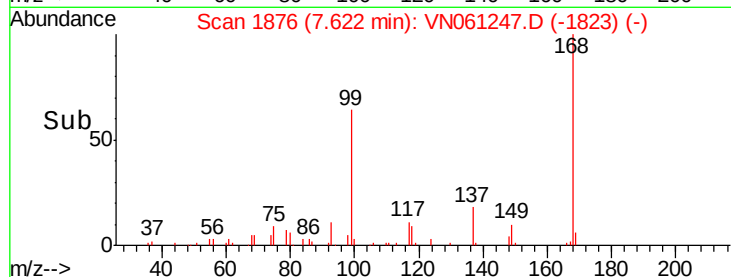
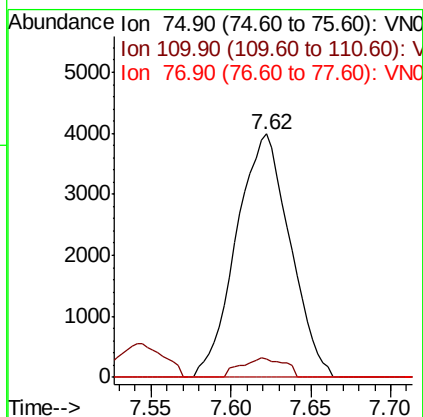
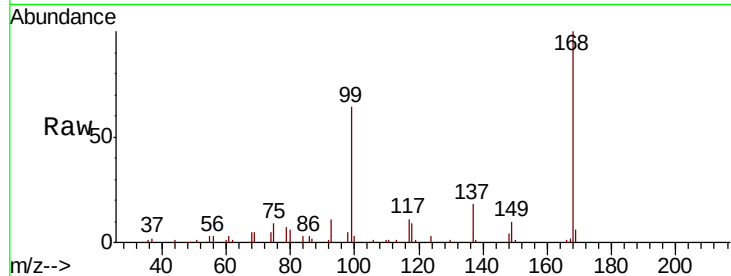




#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 7.62 min Scan# 1876
 Delta R.T. -0.13 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

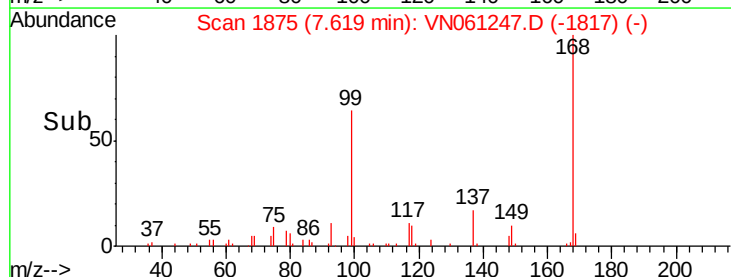
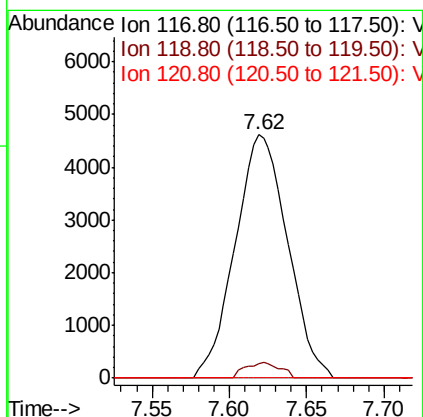
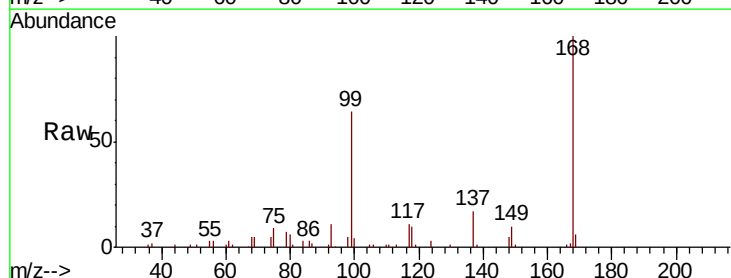
Instrument :
 MSVOA_N
 ClientSampled :

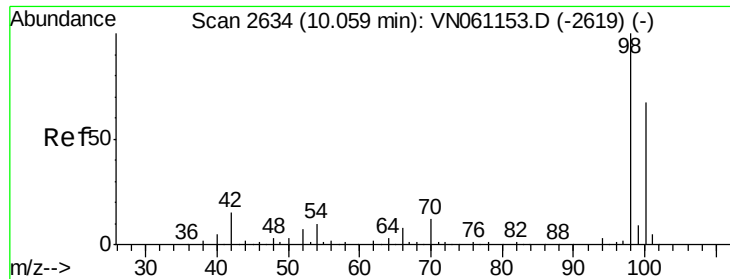
Tot Ion: 75 Resp: 9173
 Ion Ratio Lower Upper
 75 100
 110 6.3 16.0 48.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 8.608 ug/l
 RT: 7.62 min Scan# 1875
 Delta R.T. -0.11 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

Tgt Ion: 117 Resp: 10848
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.8 113.6#
 121 0.0 24.7 37.1#

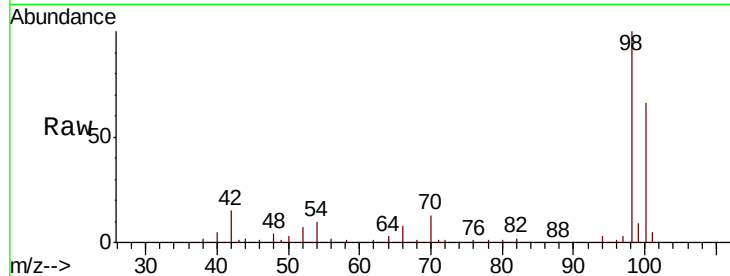




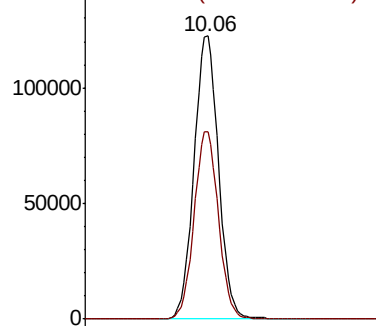
#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Instrument :
MSVOA_N
ClientSampled :

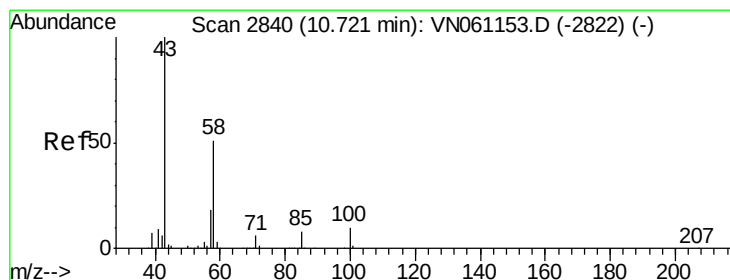
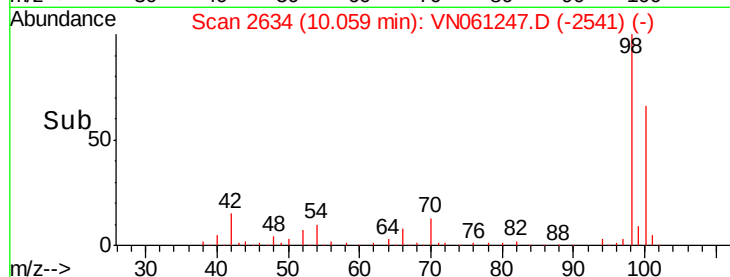
Tot Ion: 98 Resp: 224220
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)
Ion 100.00 (99.70 to 100.70): VN061247.D (-2541) (-)

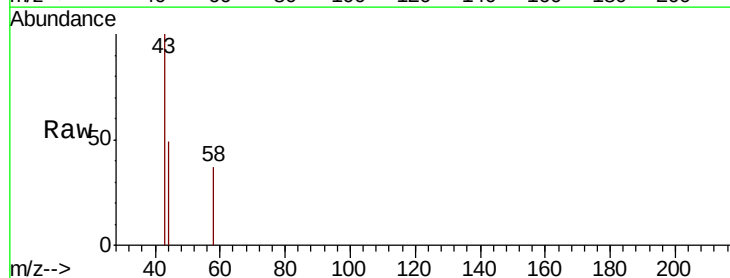


Time-->

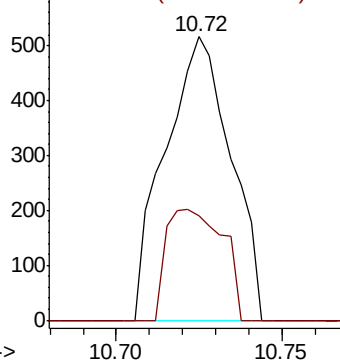


#59
2-Hexanone
Concen: 0.477 ug/l
RT: 10.72 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

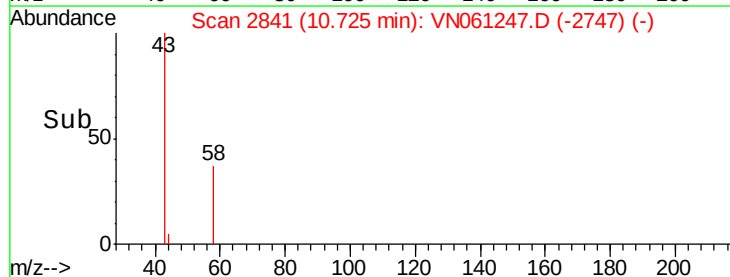
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 33.7 25.4 76.4

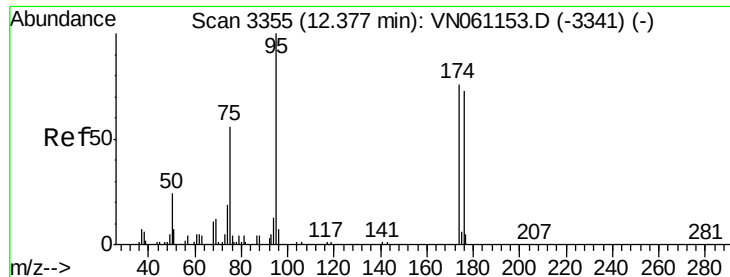


Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2822) (-)
Ion 58.00 (57.70 to 58.70): VN061247.D (-2747) (-)



Time-->

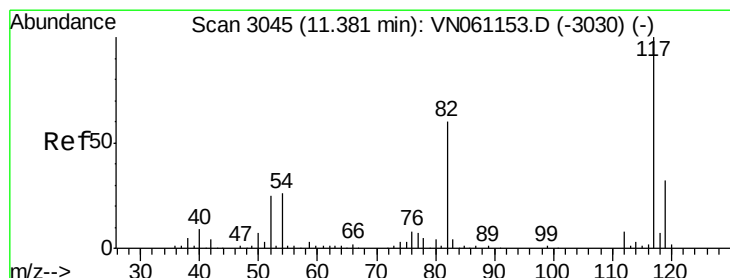
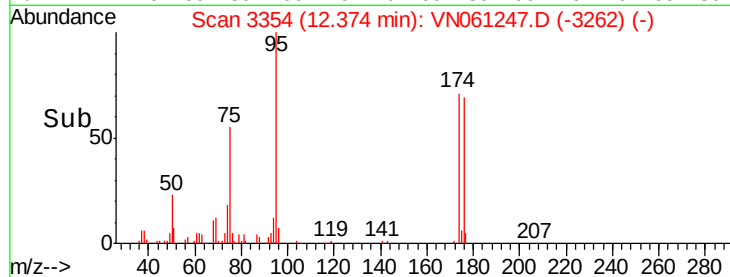
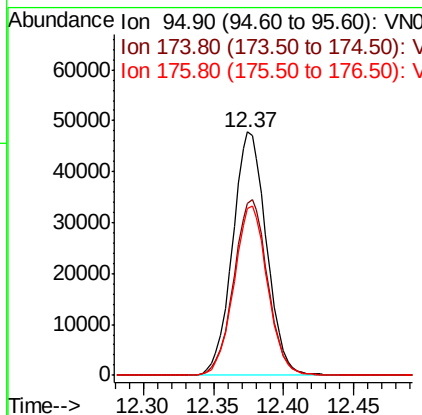
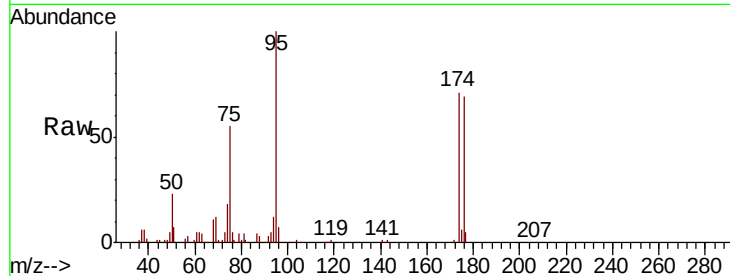




#62
4-Bromofluorobenzene
Concen: 49.312 ug/l
RT: 12.37 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

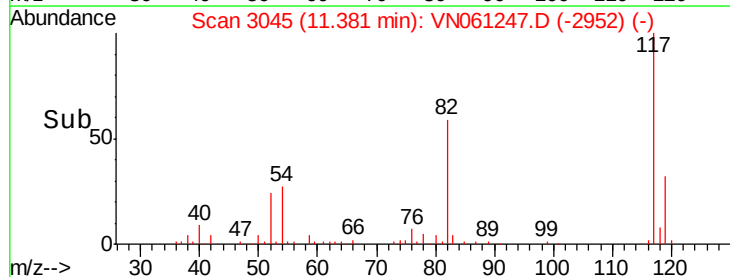
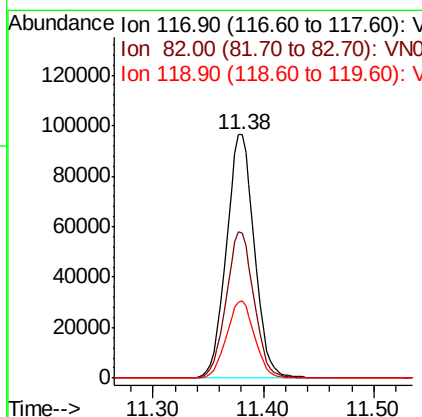
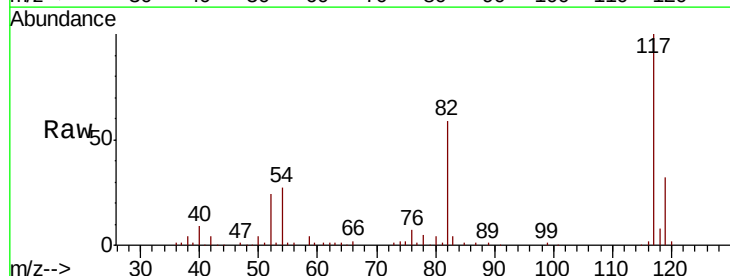
Instrument :
MSVOA_N
ClientSampleId :

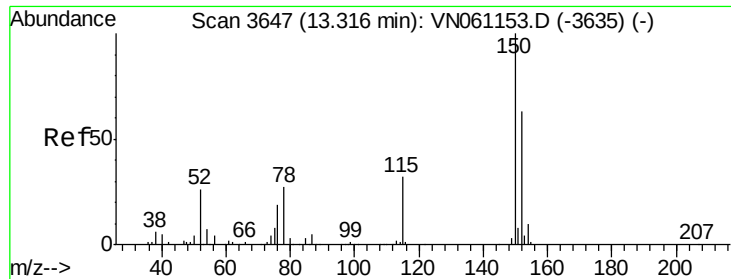
Tot Ion	95	Resp	80198
Ion Ratio	Lower	Upper	
95	100		
174	72.5	0.0	149.4
176	68.9	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Tgt Ion	117	Resp	169402
Ion Ratio	Lower	Upper	
117	100		
82	59.4	47.8	71.8
119	31.7	25.8	38.6



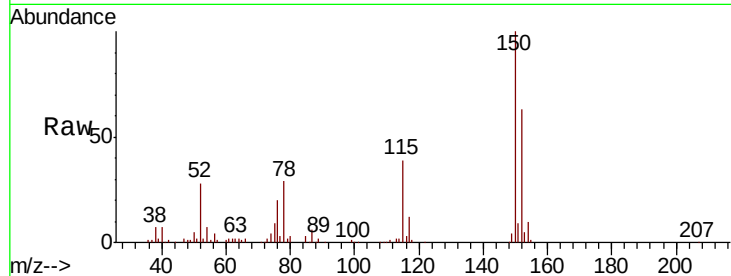


#72

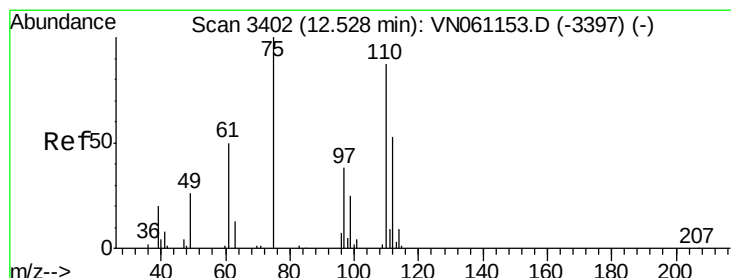
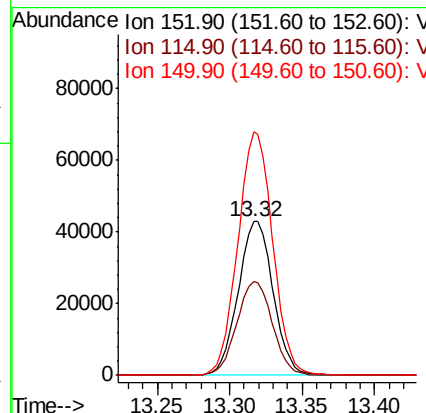
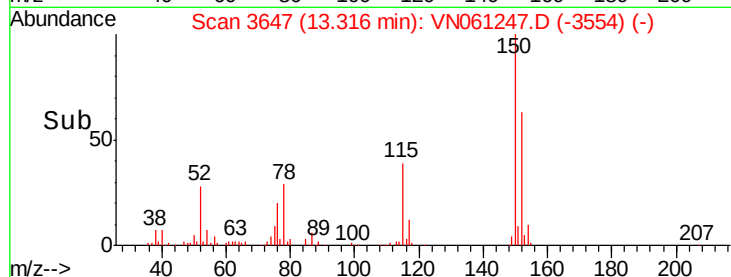
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3647
Delta R.T. 0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 71885
Ion Ratio Lower Upper
152 100
115 62.0 31.0 93.0
150 157.8 0.0 351.8



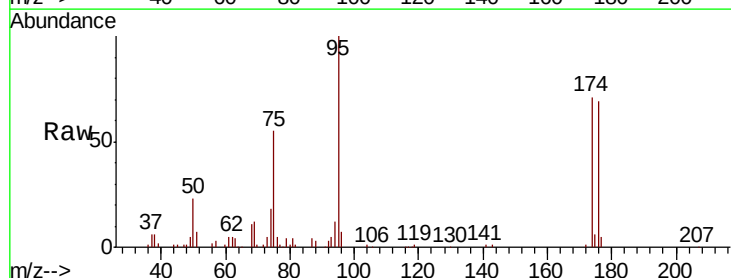
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



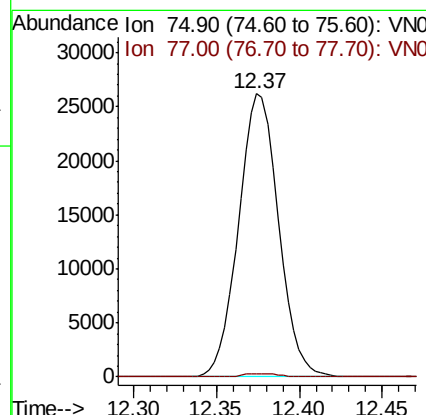
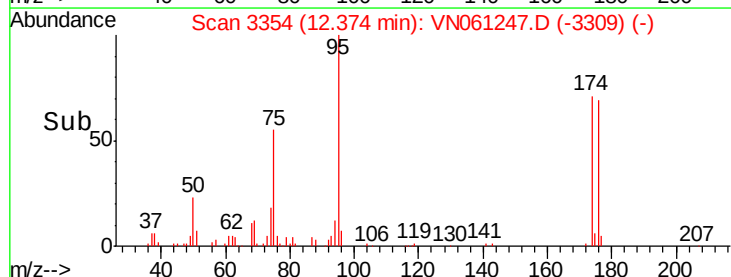
#76

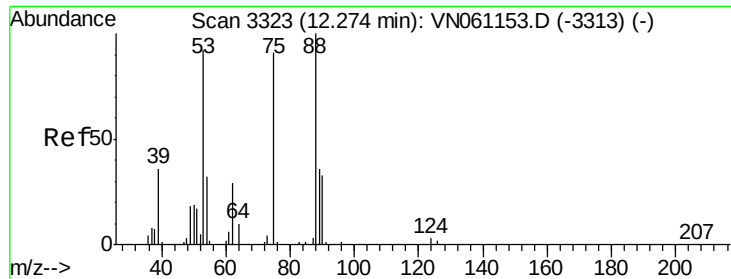
1,2,3-Trichloropropane
Concen: 29.004 ug/l
RT: 12.37 min Scan# 3354
Delta R.T. -0.15 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Tgt Ion: 75 Resp: 43957
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.656 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.10 min

Lab File: VN061247.D

Acq: 2 May 2020 2:04

Instrument :

MSVOA_N

ClientSampled :

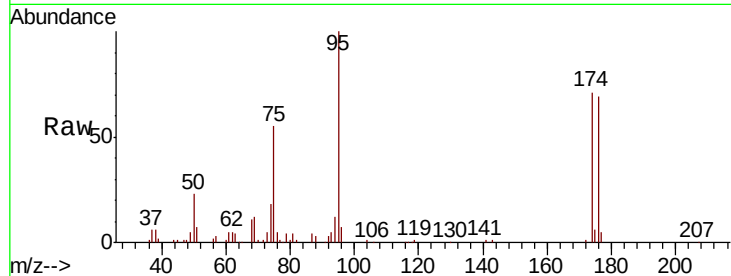
Tot Ion: 75 Resp: 43957

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

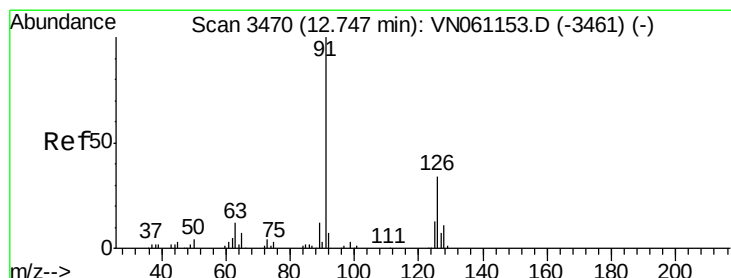
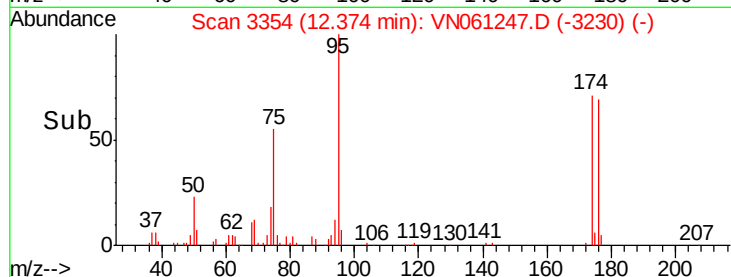
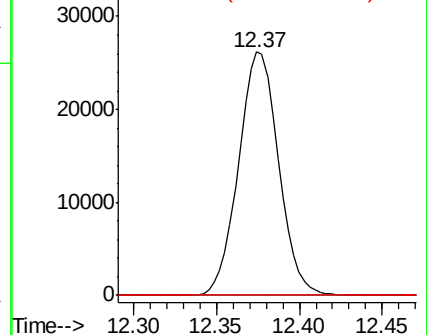
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.237 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061247.D

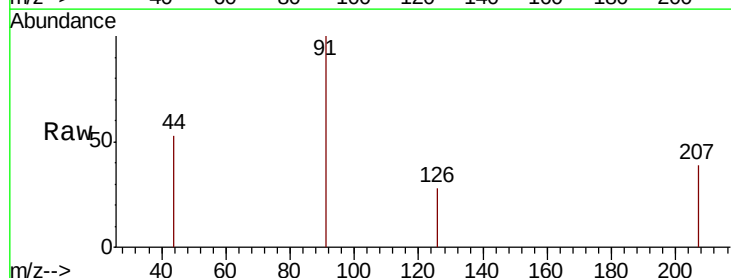
Acq: 2 May 2020 2:04

Tgt Ion: 91 Resp: 919

Ion Ratio Lower Upper

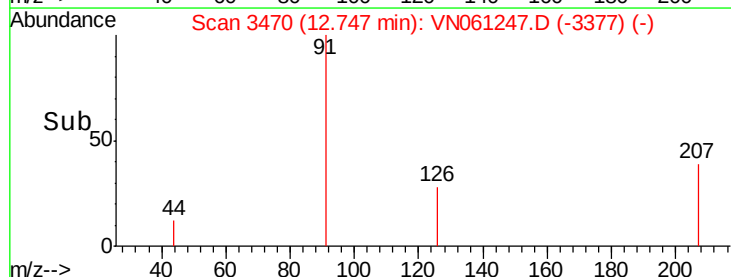
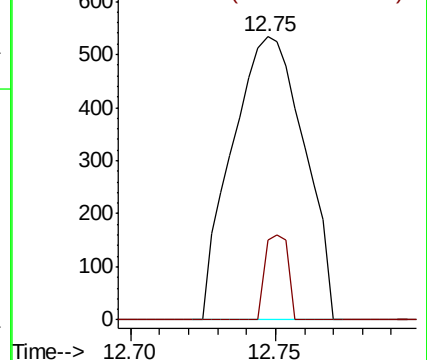
91 100

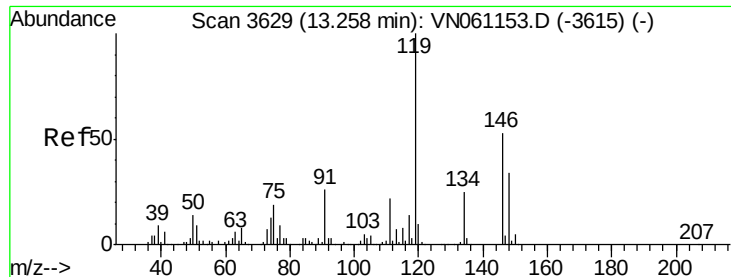
126 9.7 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

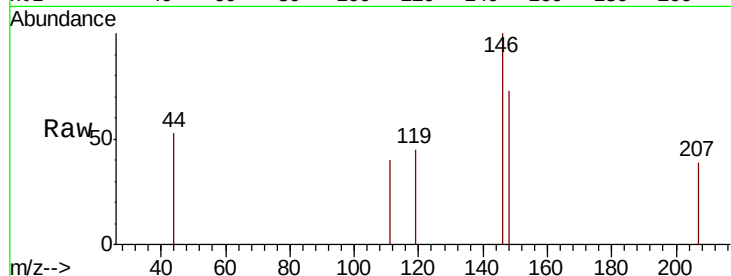




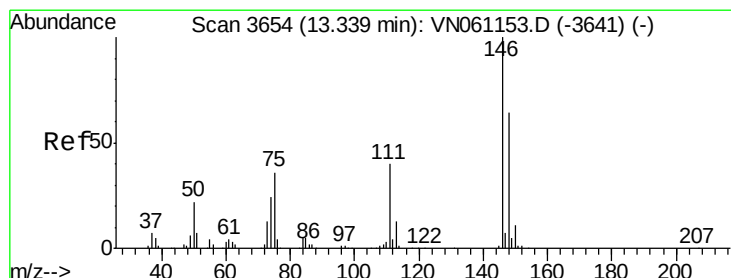
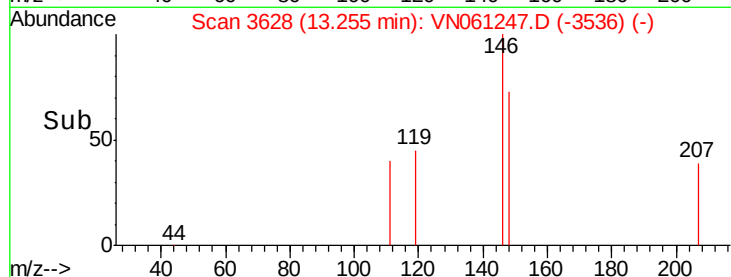
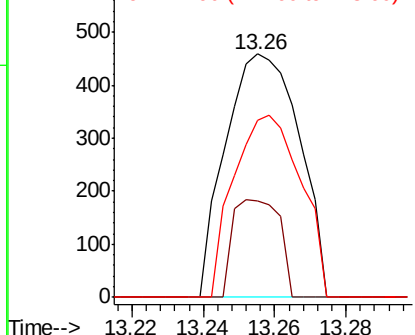
#87
 1,3-Dichlorobenzene
 Concen: 0.292 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 655
 Ion Ratio Lower Upper
 146 100
 111 25.3 20.7 62.1
 148 68.5 31.8 95.3

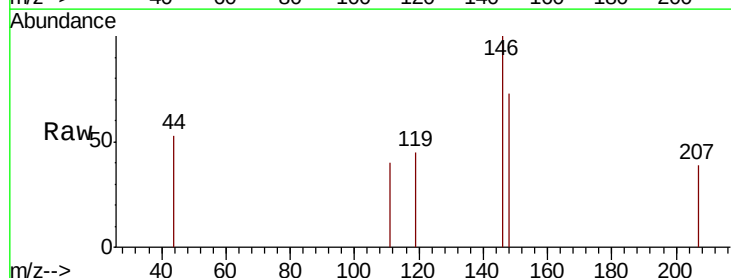


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

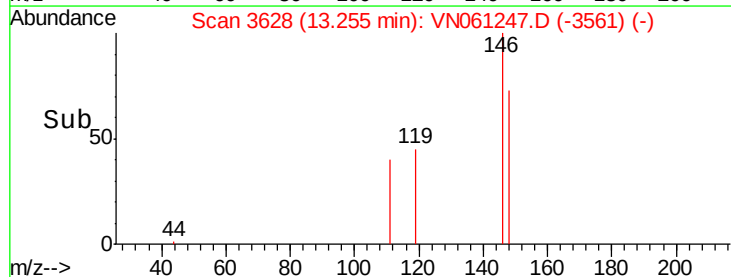
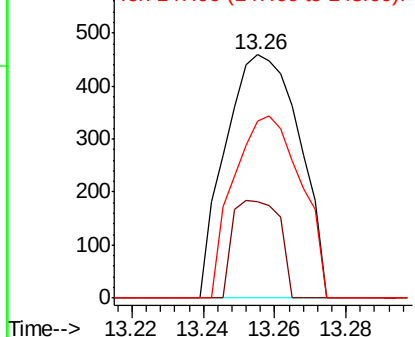


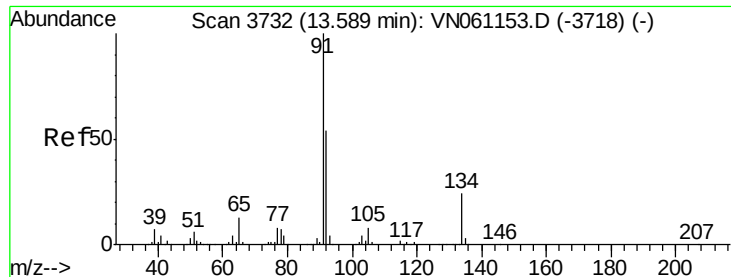
#88
 1,4-Dichlorobenzene
 Concen: 0.285 ug/l
 RT: 13.26 min Scan# 3628
 Delta R.T. -0.08 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

Tgt Ion:146 Resp: 655
 Ion Ratio Lower Upper
 146 100
 111 25.3 20.4 61.3
 148 68.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

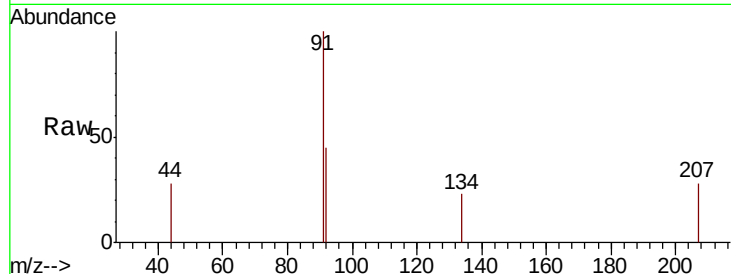




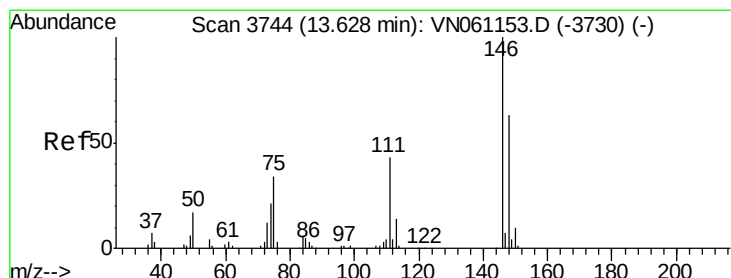
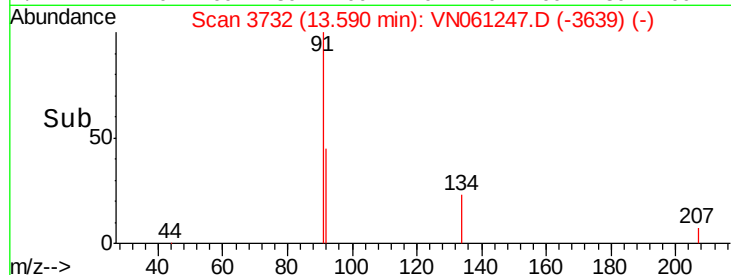
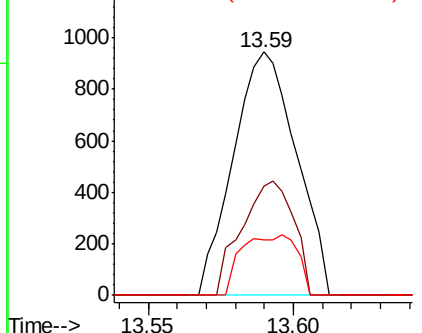
#89
n-Butylbenzene
Concen: 0.343 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 1423
Ion Ratio Lower Upper
91 100
92 38.7 26.8 80.3
134 21.9 11.9 35.5

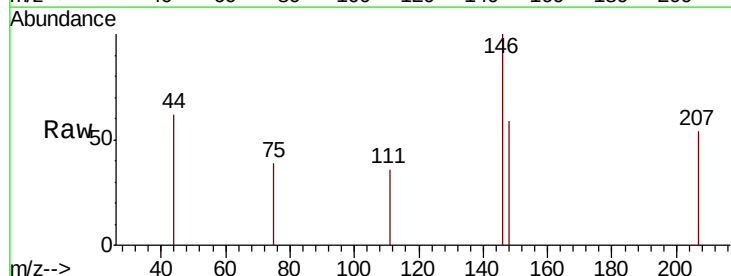


Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3718) (-)
Ion 92.00 (91.70 to 92.70): VN061153.D (-3718) (-)
Ion 134.00 (133.70 to 134.70): VN061153.D (-3718) (-)

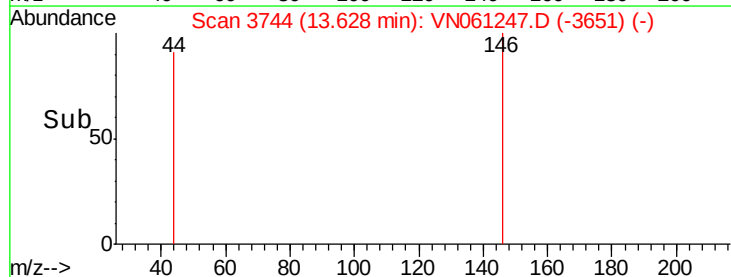
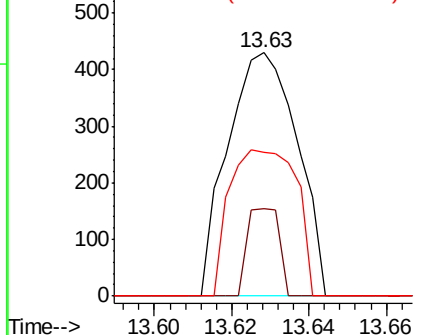


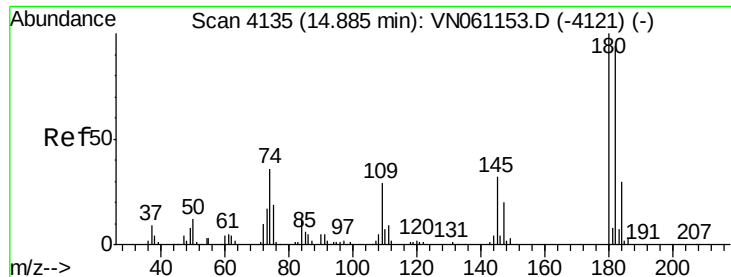
#91
1,2-Dichlorobenzene
Concen: 0.249 ug/l
RT: 13.63 min Scan# 3744
Delta R.T. 0.00 min
Lab File: VN061247.D
Acq: 2 May 2020 2:04

Tgt Ion: 146 Resp: 537
Ion Ratio Lower Upper
146 100
111 16.6 21.8 65.3#
148 57.4 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): VN061153.D (-3730) (-)
Ion 110.90 (110.60 to 111.60): VN061153.D (-3730) (-)
Ion 147.90 (147.60 to 148.60): VN061153.D (-3730) (-)

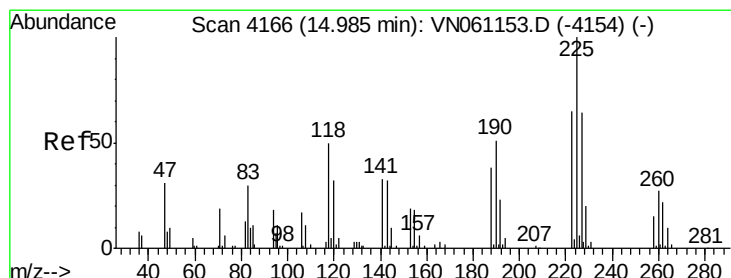
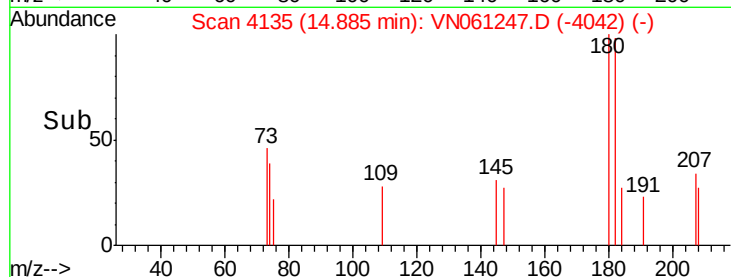
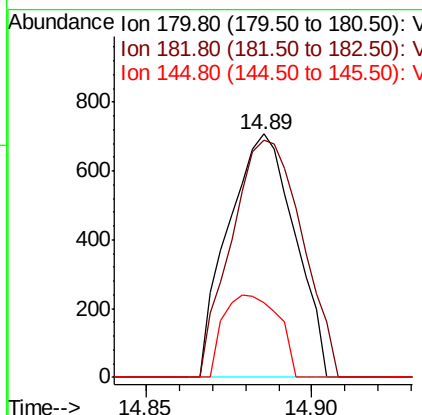
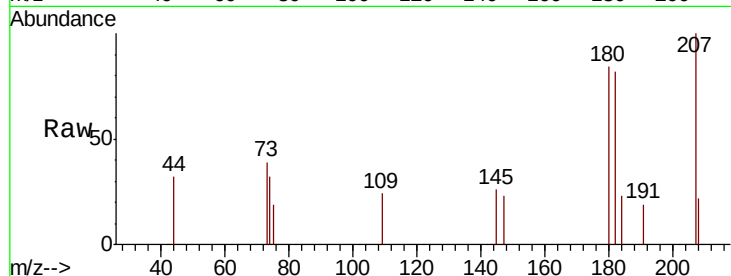




#93
 1,2,4-Trichlorobenzene
 Concen: 0.753 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

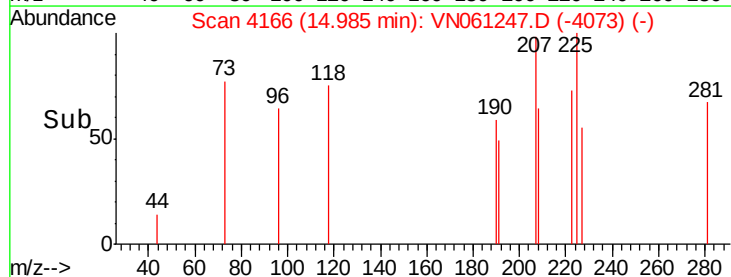
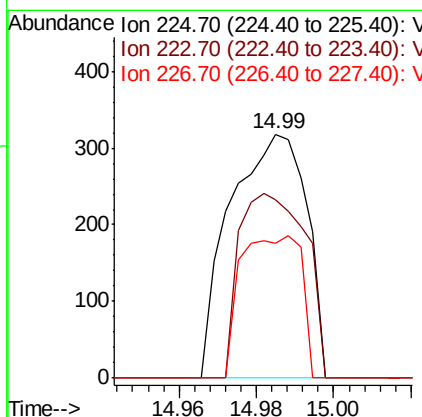
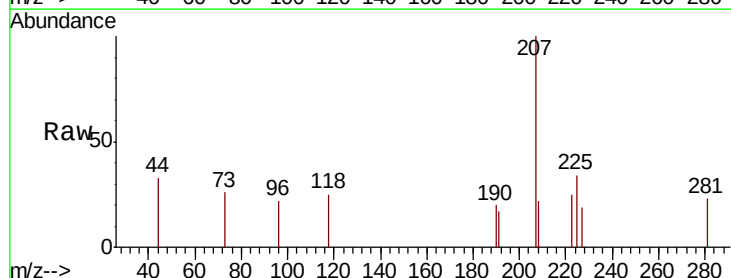
Instrument :
 MSVOA_N
 ClientSampleId :

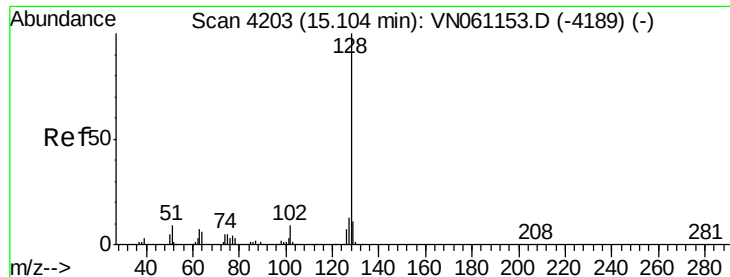
Tot Ion:180 Resp: 988
 Ion Ratio Lower Upper
 180 100
 182 103.3 47.3 141.9
 145 27.9 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 0.798 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061247.D
 Acq: 2 May 2020 2:04

Tgt Ion:225 Resp: 437
 Ion Ratio Lower Upper
 225 100
 223 65.7 32.4 97.0
 227 46.0 32.4 97.0





#95

Naphthalene

Concen: 0.992 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061247.D

Acq: 2 May 2020 2:04

Instrument :

MSVOA_N

ClientSampleId :

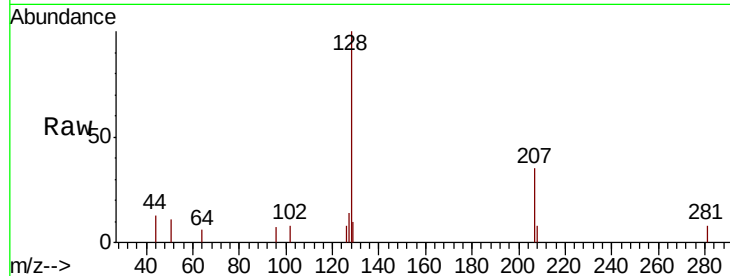
Tot Ion:128 Resp: 4236

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 8.0 8.7 13.1#

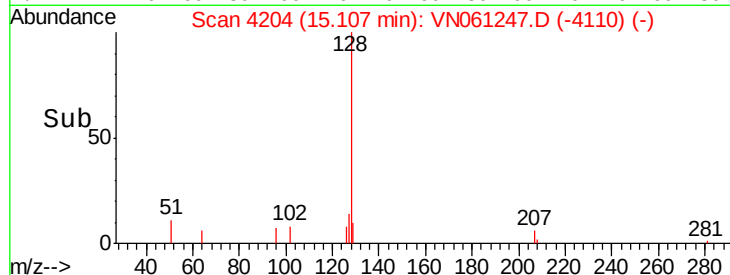


Abundance Ion 128.00 (127.70 to 128.70): V

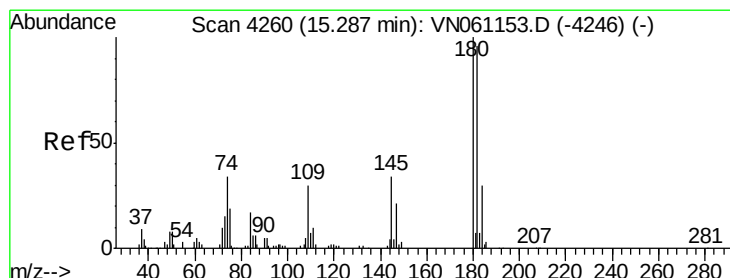
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.11



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 1.044 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061247.D

Acq: 2 May 2020 2:04

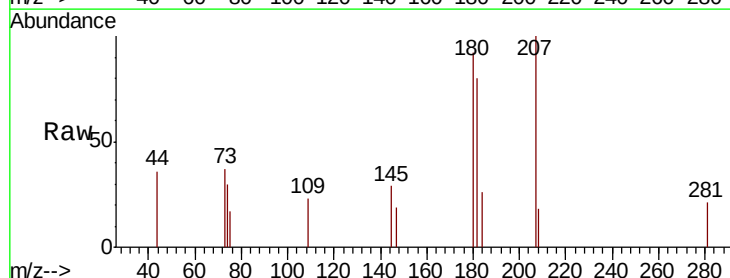
Tgt Ion:180 Resp: 1352

Ion Ratio Lower Upper

180 100

182 86.5 47.5 142.5

145 23.0 16.9 50.7

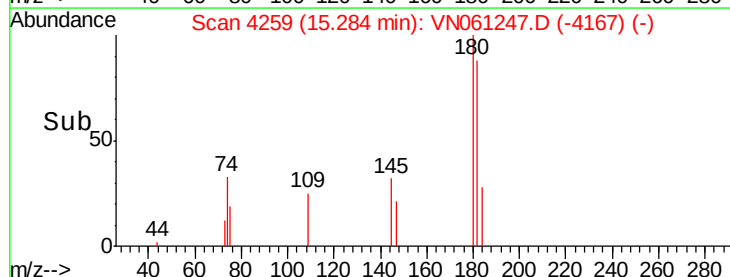


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.28



Time-->