

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016061.D
 Acq On : 05 May 2020 14:12
 Operator : JC/SP
 Sample : L2490-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 06 05:01:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 04:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	293745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	474211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	454398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233174	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	180357	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	
35) Dibromofluoromethane	5.47	113	138347	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
50) Toluene-d8	8.70	98	576253	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.12	95	230703	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	

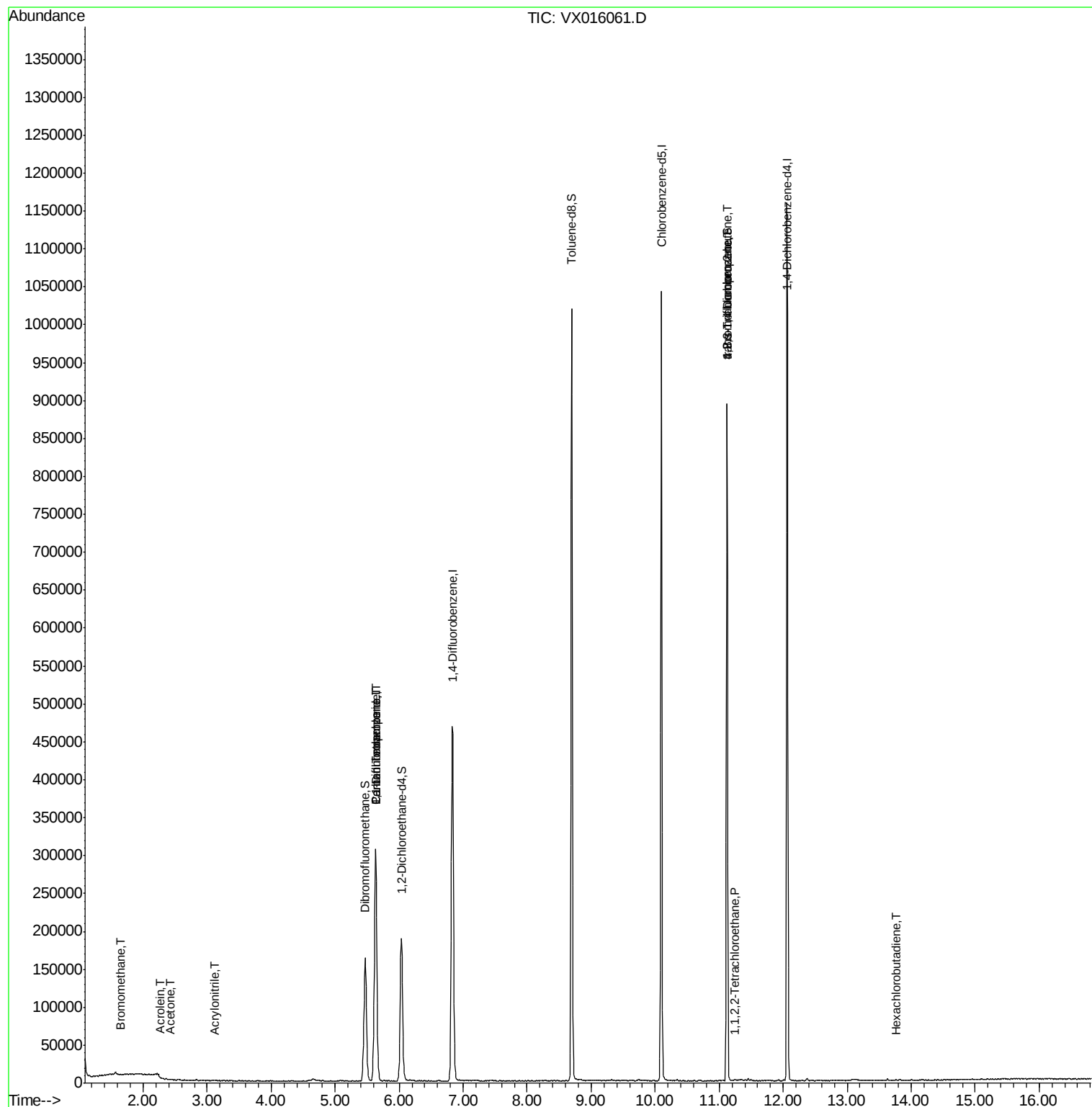
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	612	0.315	ug/l #	50
13) Acrolein	2.27	56	665	1.087	ug/l #	51
15) Acrylonitrile	3.12	53	505	0.249	ug/l #	76
16) Acetone	2.43	43	372	0.216	ug/l #	47
36) 1,1-Dichloropropene	5.63	75	22470	4.814	ug/l #	49
38) Carbon Tetrachloride	5.64	117	28599	6.028	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.25	83	22	4.817	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	115690	21.864	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	115690	52.104	ug/l #	13
94) Hexachlorobutadiene	13.77	225	129	0.576	ug/l	83

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

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 06 05:01:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 04:29:02 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016061.D

Acq: 05 May 2020 14:12

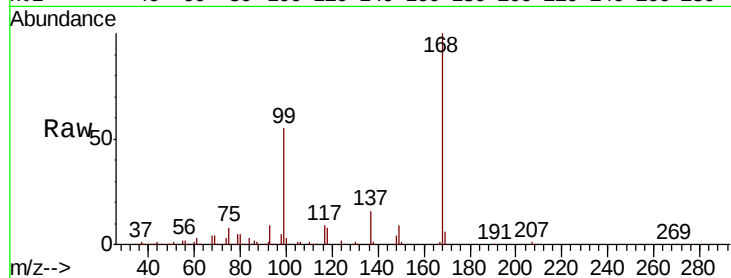
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 293745

Ion Ratio Lower Upper

168 100

99 55.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

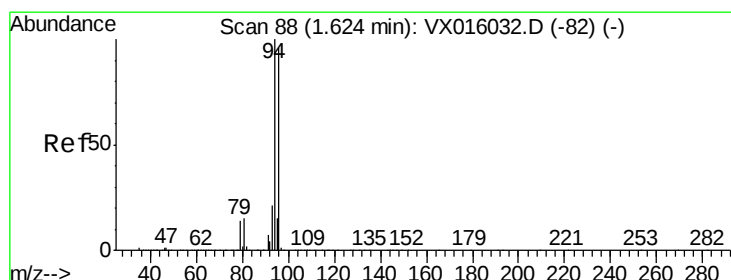
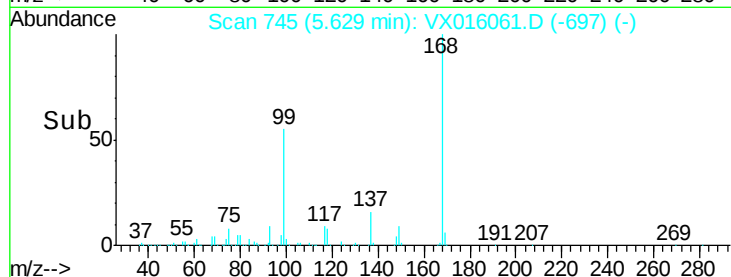
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.315 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016061.D

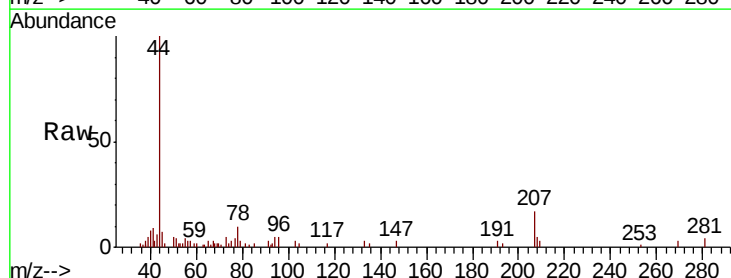
Acq: 05 May 2020 14:12

Tgt Ion: 94 Resp: 612

Ion Ratio Lower Upper

94 100

96 47.1 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

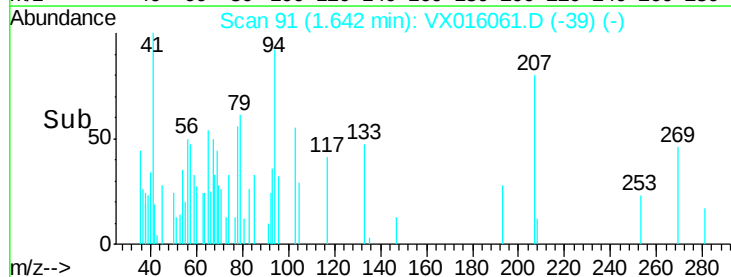
300

200

100

0

Time-->

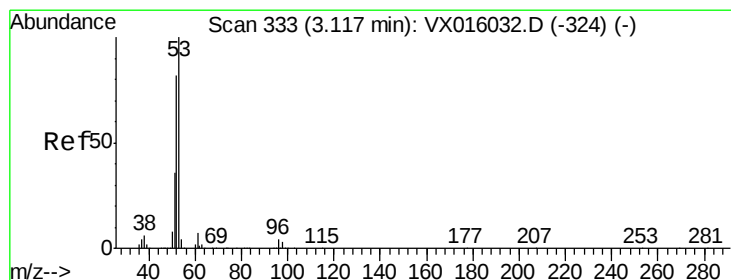
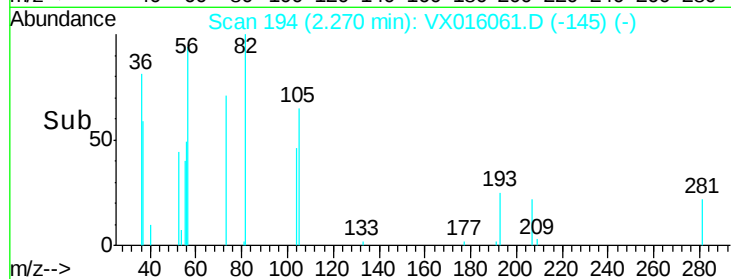
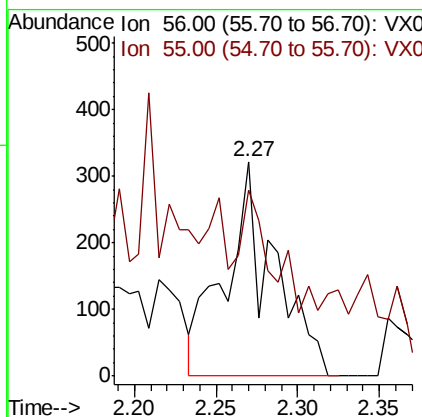
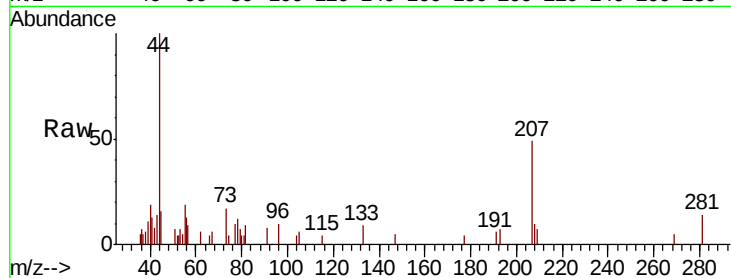




#13
Acrolein
Concen: 1.087 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

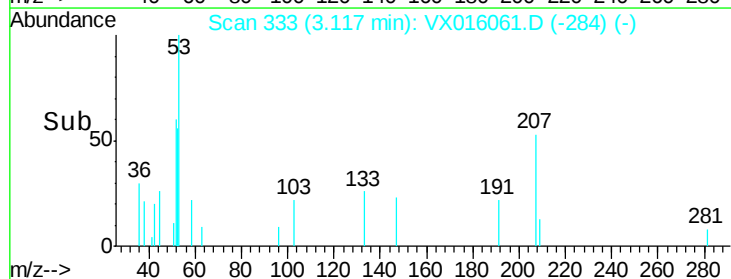
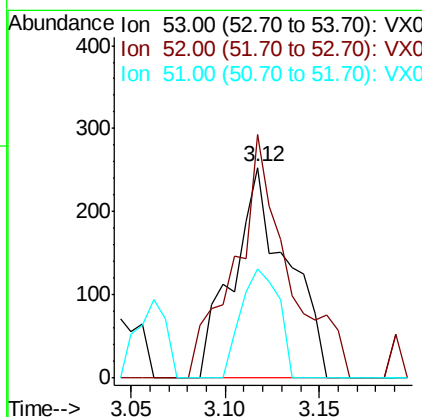
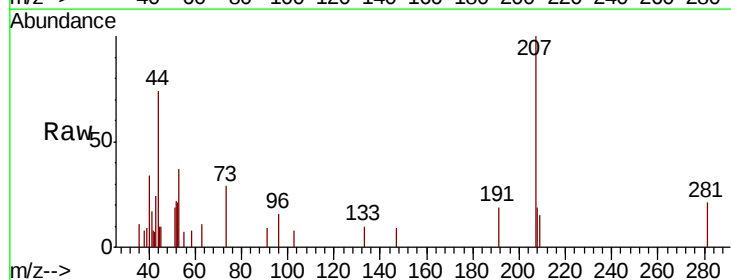
Instrument :
MSVOA_X
ClientSampled :

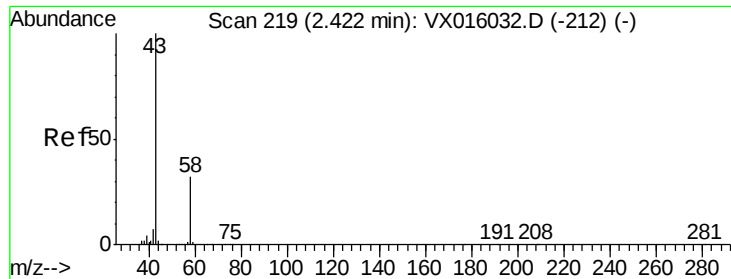
Tot Ion: 56 Resp: 665
Ion Ratio Lower Upper
56 100
55 29.9 56.5 84.7#



#15
Acrylonitrile
Concen: 0.249 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

Tgt Ion: 53 Resp: 505
Ion Ratio Lower Upper
53 100
52 113.9 66.1 99.1#
51 36.2 28.8 43.2

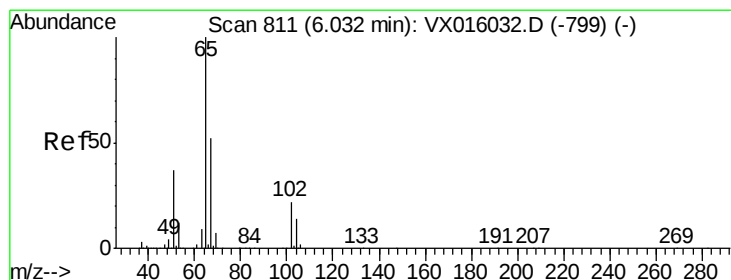
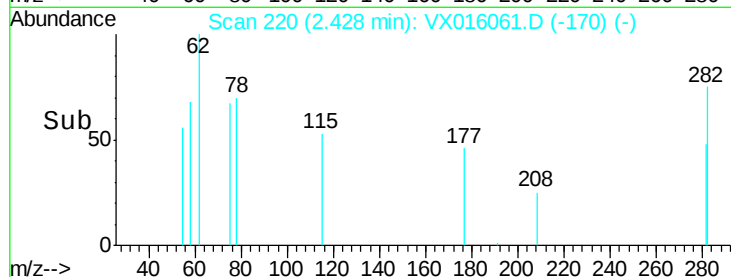
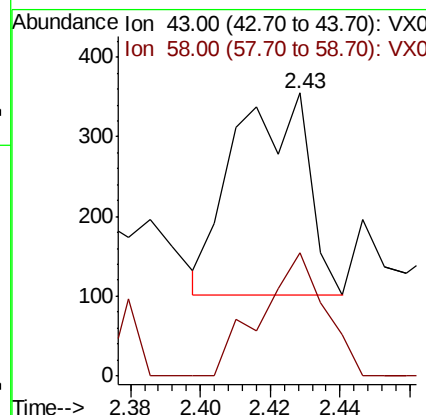
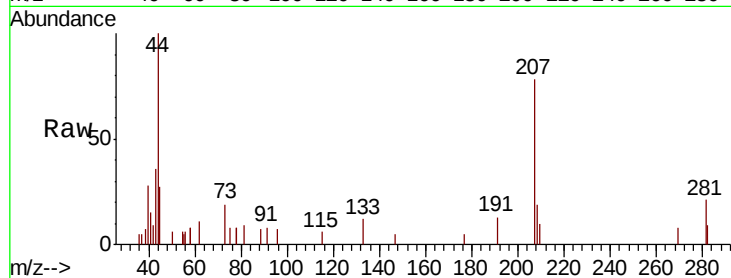




#16
Acetone
Concen: 0.216 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

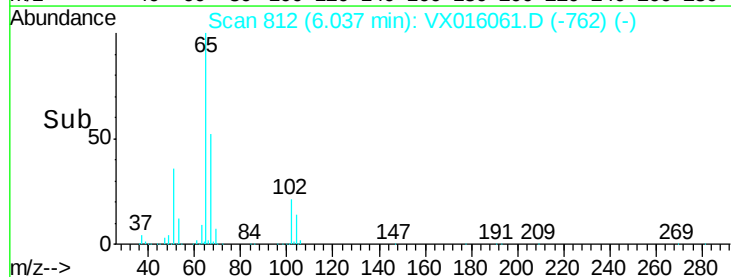
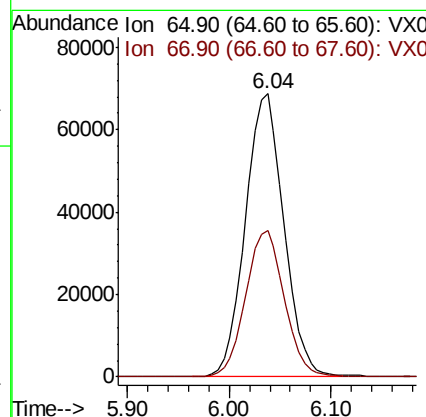
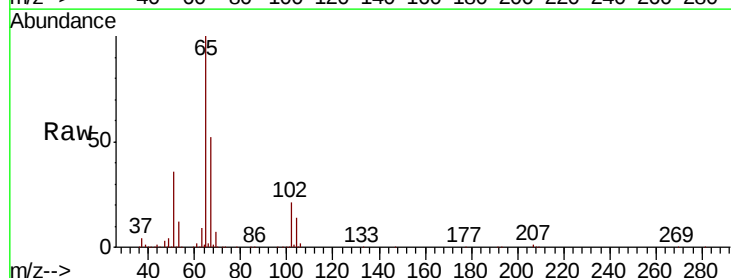
Instrument :
MSVOA_X
ClientSampleId :

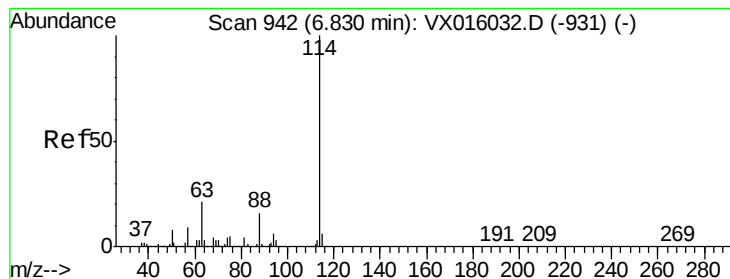
Tot Ion: 43 Resp: 372
Ion Ratio Lower Upper
43 100
58 61.3 25.4 38.0#



#33
1,2-Dichloroethane-d4
Concen: 46.660 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

Tgt Ion: 65 Resp: 180357
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016061.D

Acq: 05 May 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

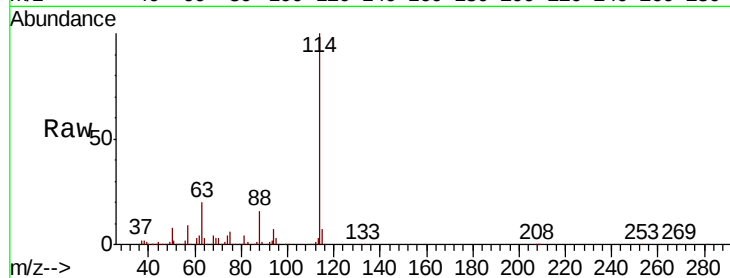
Tot Ion:114 Resp: 474211

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

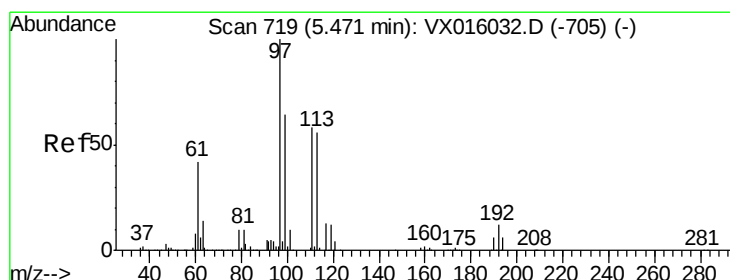
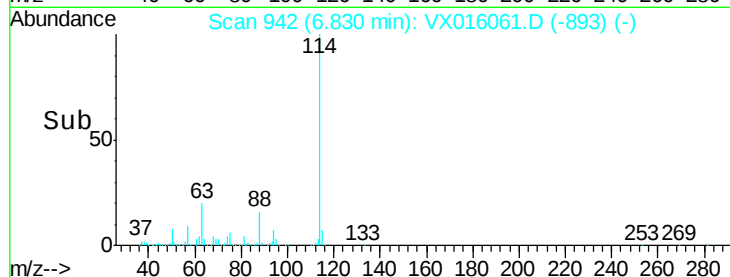
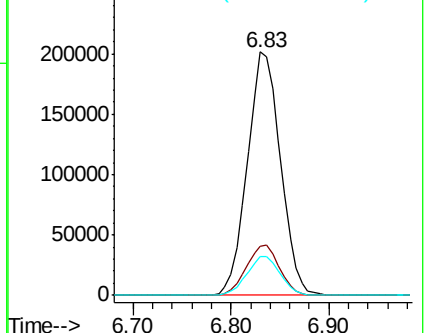
88 16.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.049 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016061.D

Acq: 05 May 2020 14:12

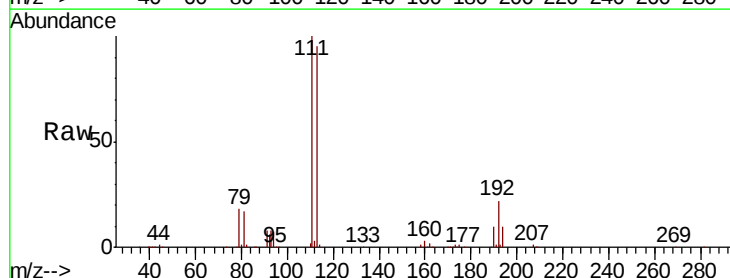
Tgt Ion:113 Resp: 138347

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

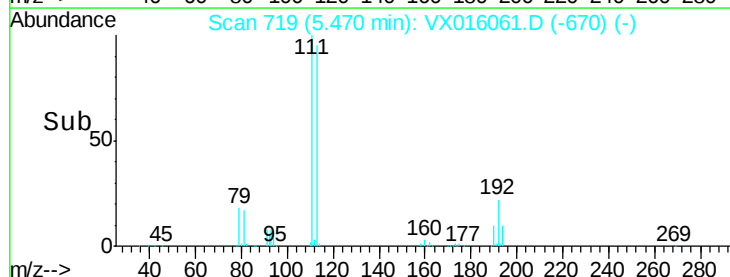
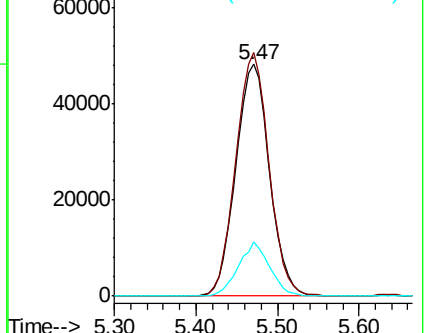
192 21.5 17.0 25.4

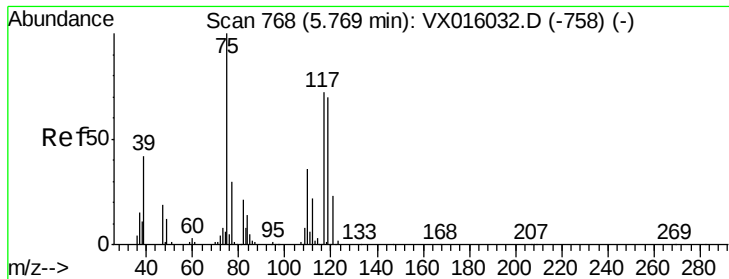


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016061.D

Acq: 05 May 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

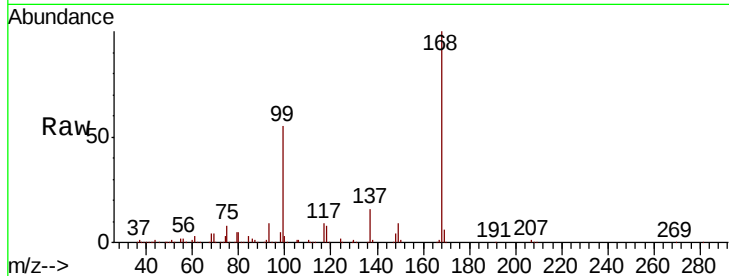
Tot Ion: 75 Resp: 22470

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

77 0.1 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

10000

8000

6000

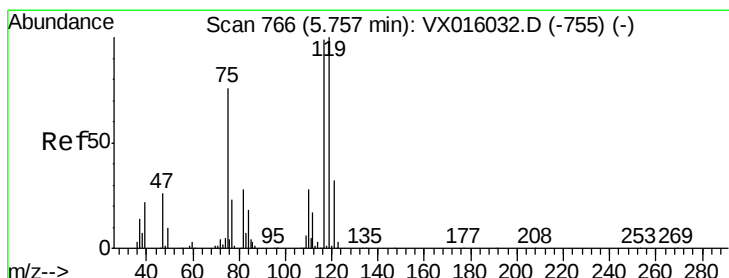
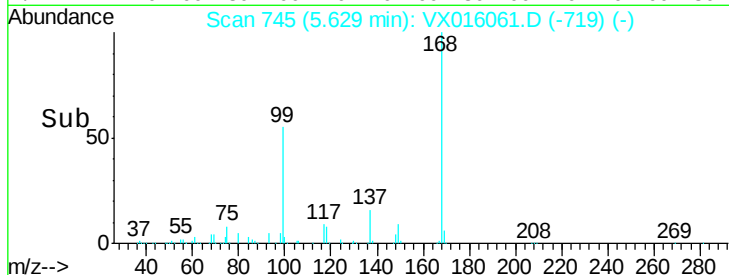
4000

2000

0

5.50 5.60 5.70

Time-->



#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016061.D

Acq: 05 May 2020 14:12

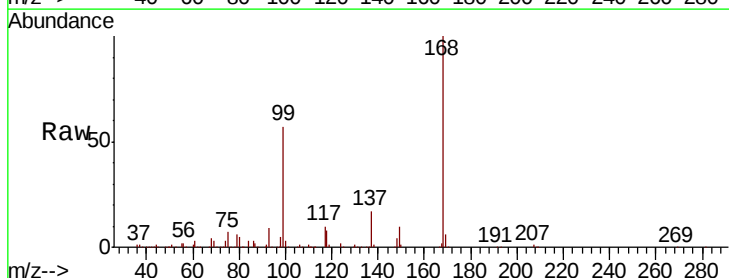
Tgt Ion: 117 Resp: 28599

Ion Ratio Lower Upper

117 100

119 5.8 80.3 120.5#

121 0.0 25.7 38.5#



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

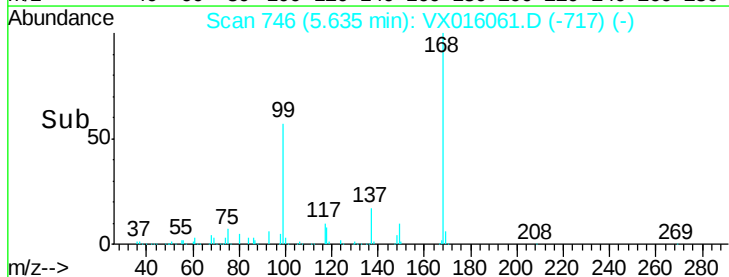
10000

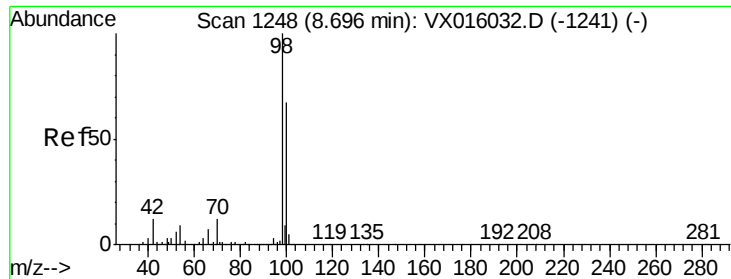
5000

0

5.50 5.60 5.70

Time-->

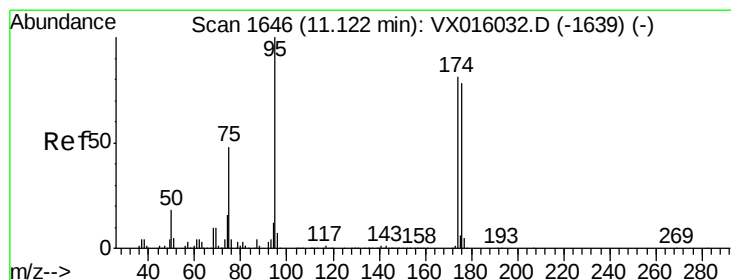
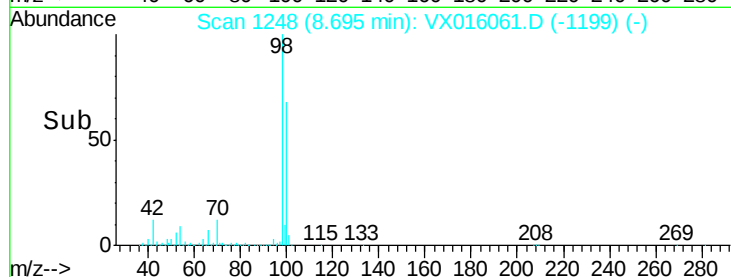
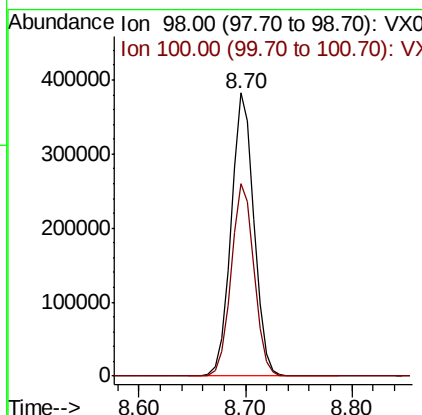
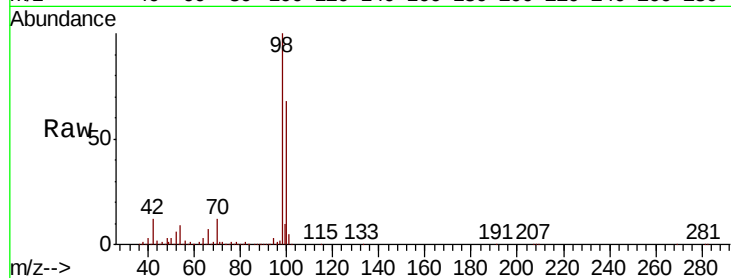




#50
Toluene-d8
Concen: 49.780 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

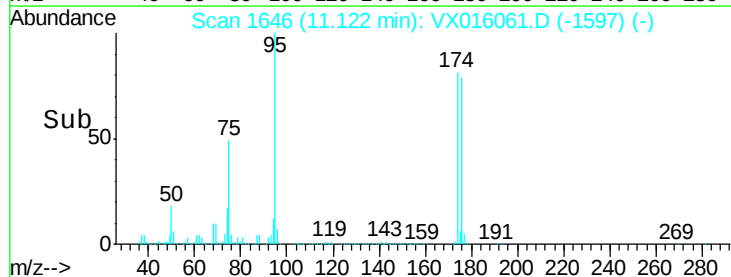
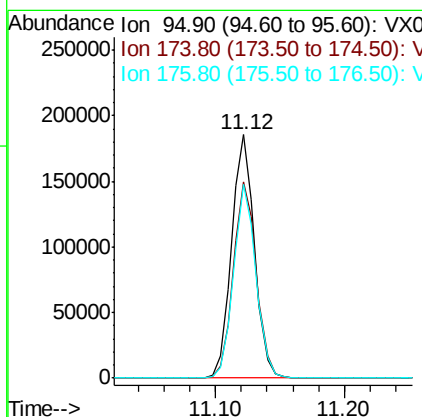
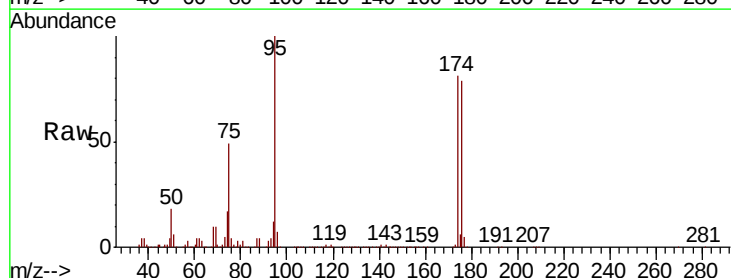
Instrument :
MSVOA_X
ClientSampleId :

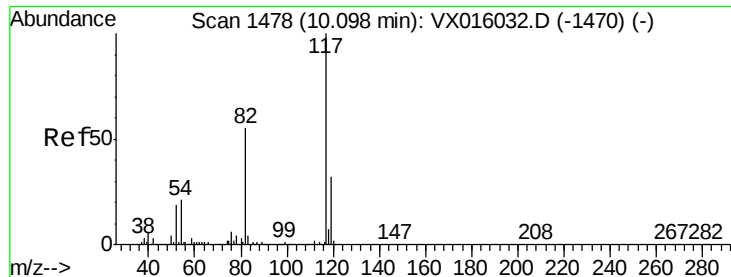
Tot Ion: 98 Resp: 576253
Ion Ratio Lower Upper
98 100
100 67.9 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 52.398 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

Tgt Ion: 95 Resp: 230703
Ion Ratio Lower Upper
95 100
174 80.8 0.0 159.4
176 77.8 0.0 157.6

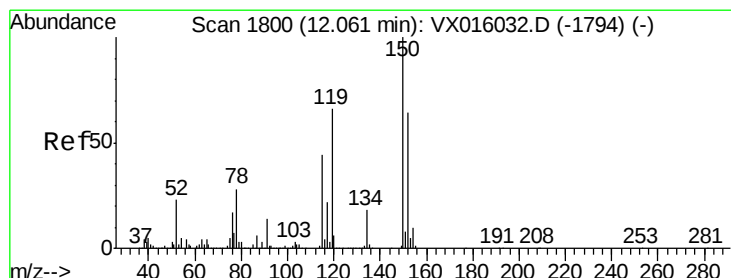
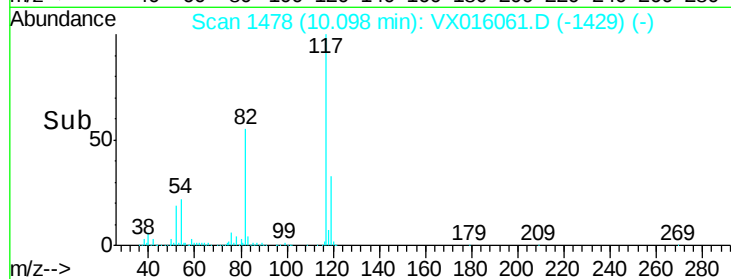
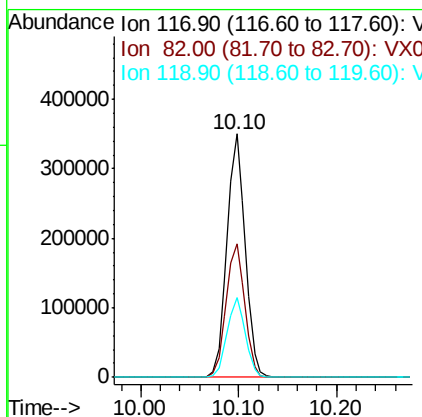
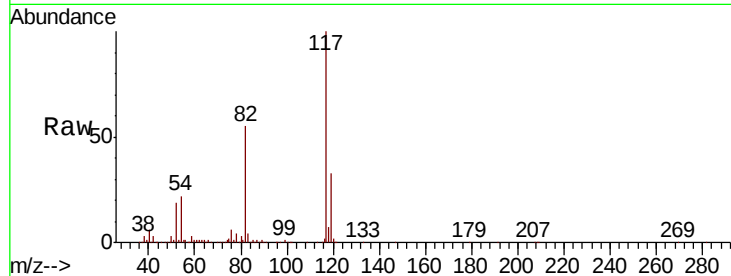




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

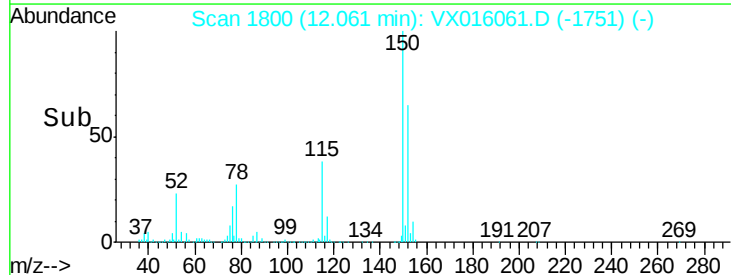
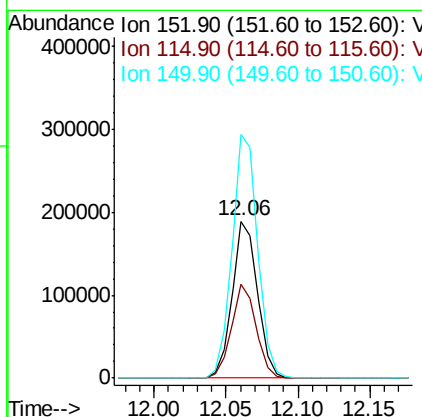
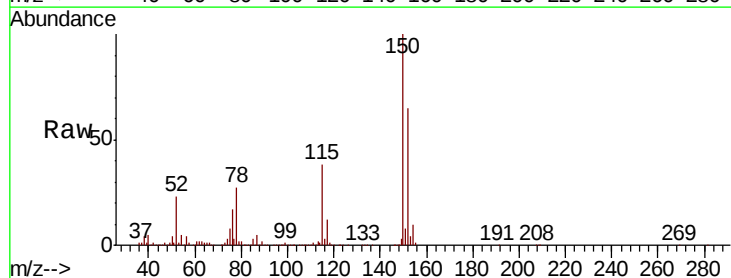
Instrument :
MSVOA_X
ClientSampled :

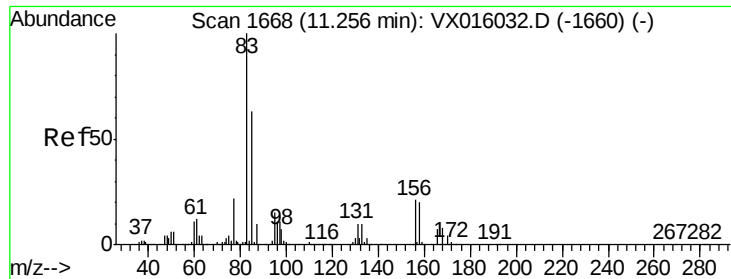
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.4	66.6
119	32.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	41.3	124.1
150	157.5	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.817 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016061.D

Acq: 05 May 2020 14:12

Instrument :

MSVOA_X

ClientSampleId :

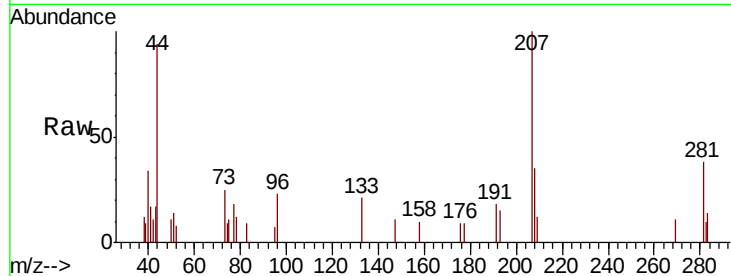
Tot Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

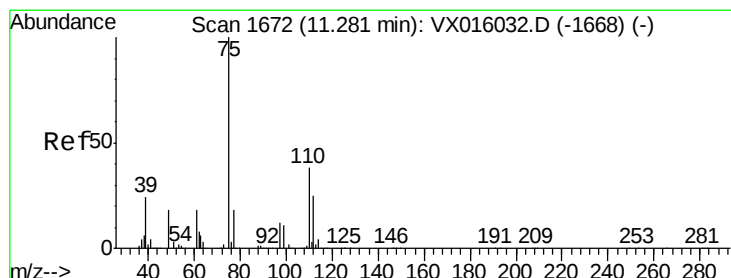
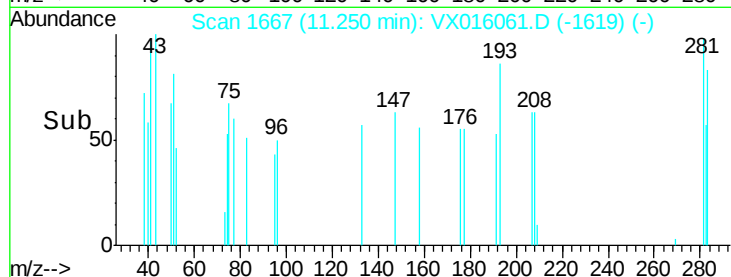
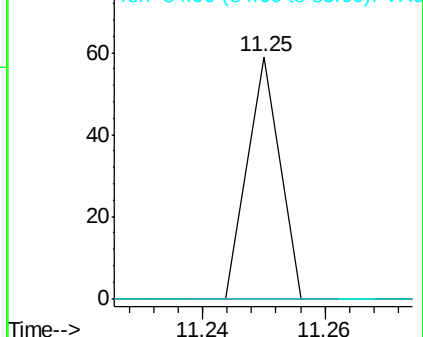
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.864 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016061.D

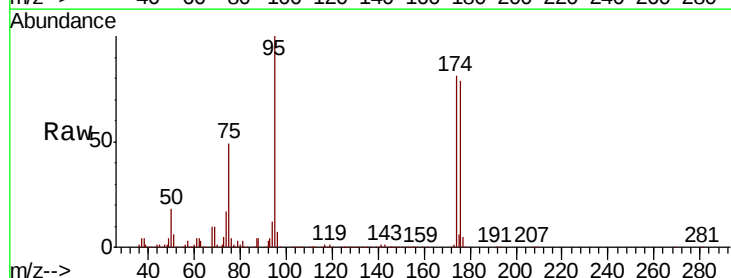
Acq: 05 May 2020 14:12

Tgt Ion: 75 Resp: 115690

Ion Ratio Lower Upper

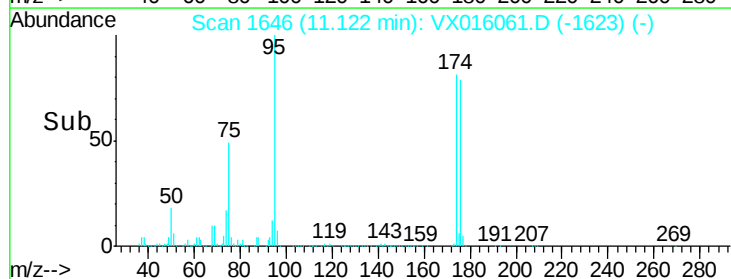
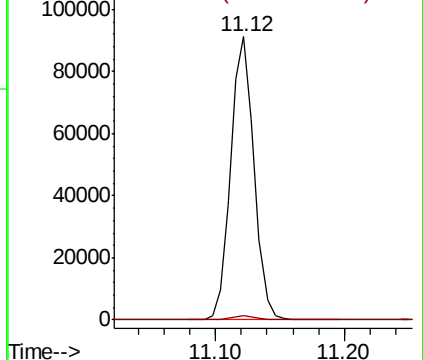
75 100

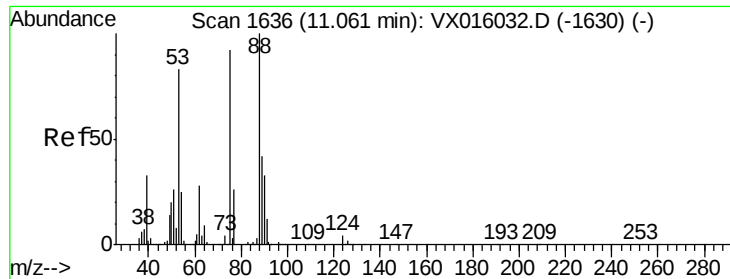
77 1.5 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

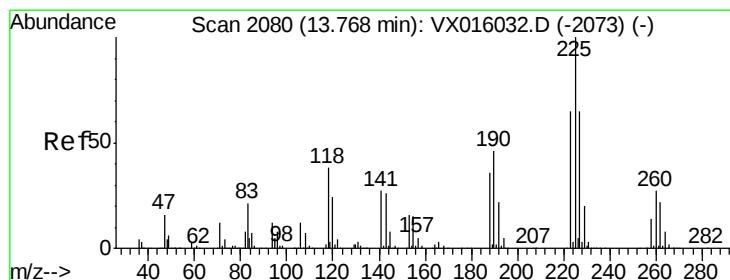
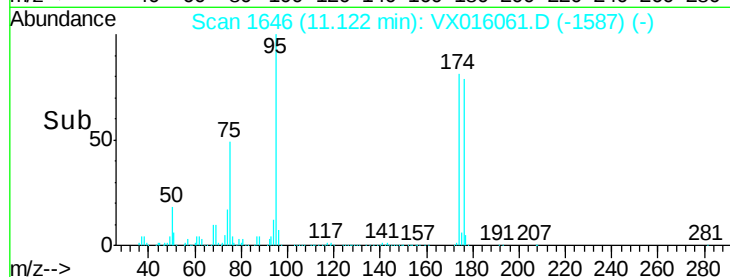
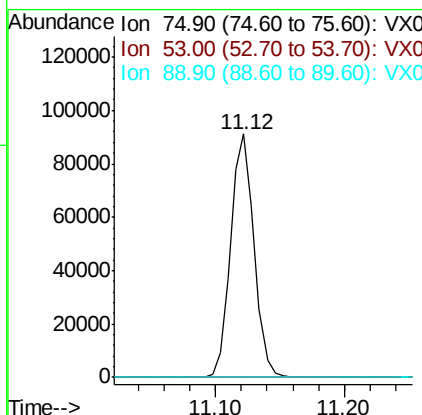
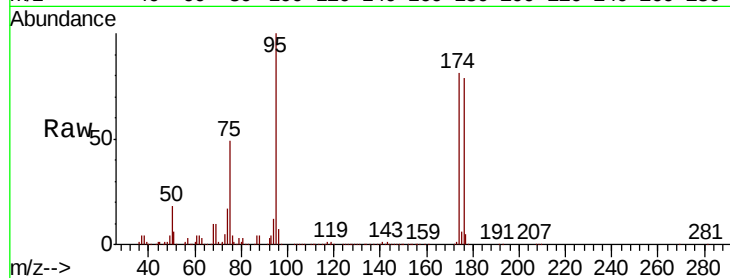




#81
trans-1,4-Dichloro-2-butene
Concen: 52.104 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 115690
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.576 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016061.D
Acq: 05 May 2020 14:12

Tgt Ion: 225 Resp: 129
Ion Ratio Lower Upper
225 100
223 85.3 32.3 96.9
227 69.0 31.8 95.4

