

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052020\
 Data File : VX016356.D
 Acq On : 20 May 2020 13:44
 Operator : JC/SP
 Sample : L2663-05 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1378

Quant Time: May 21 03:51:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	284125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	480189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	471538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233452	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	169619	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
35) Dibromofluoromethane	5.46	113	140540	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
50) Toluene-d8	8.70	98	588934	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.12	95	234743	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	

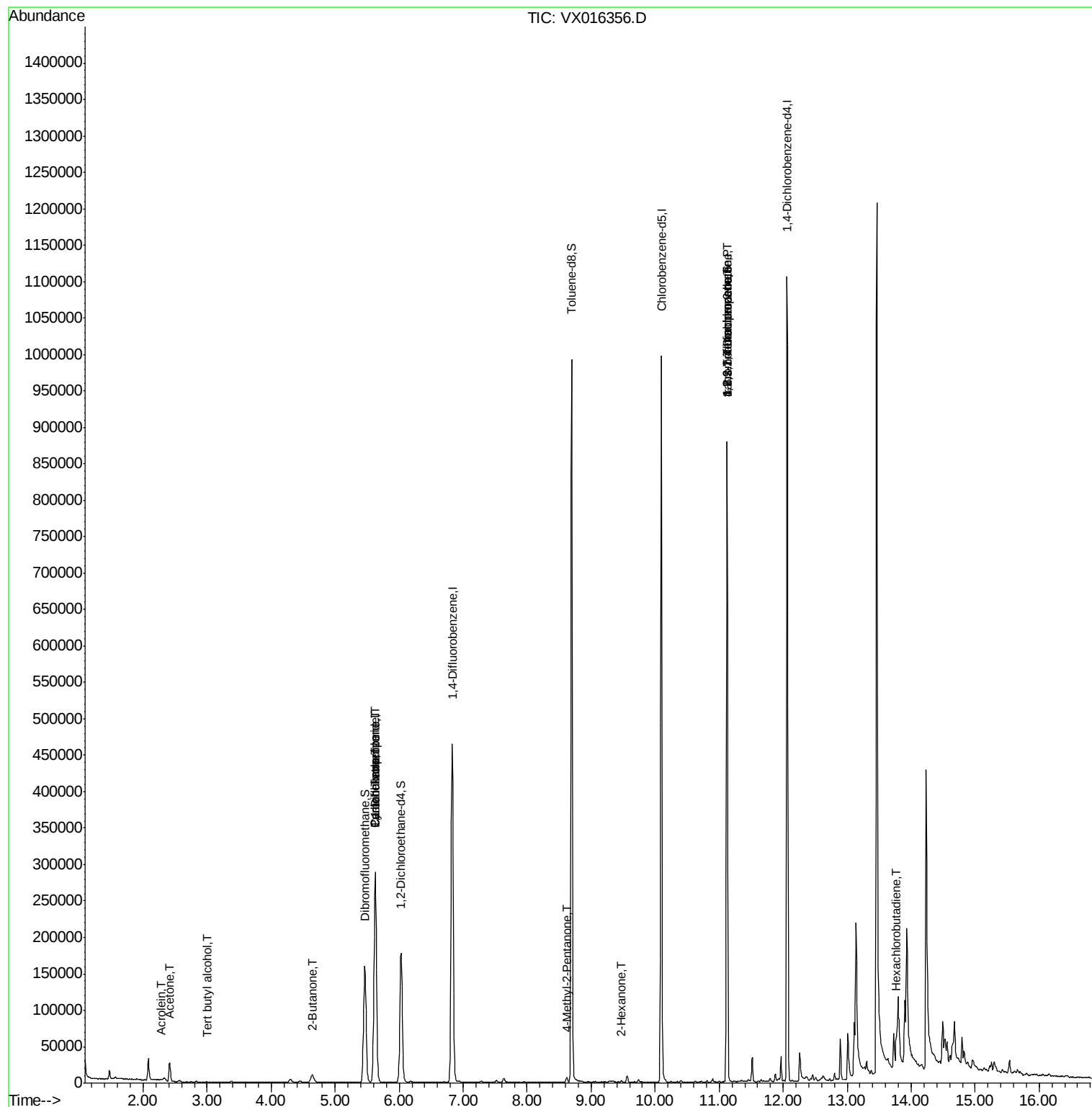
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	621	0.657	ug/l #	86
13) Acrolein	2.27	56	479	0.810	ug/l #	36
16) Acetone	2.42	43	27184	16.295	ug/l	96
17) Carbon Disulfide	2.55	76	776	Below Cal	#	90
25) 2-Butanone	4.64	43	5176	1.925	ug/l	99
31) Cyclohexane	5.63	56	4982	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20503	4.338	ug/l #	49
38) Carbon Tetrachloride	5.62	117	27355	5.694	ug/l #	13
51) 4-Methyl-2-Pentanone	8.62	43	4121	0.770	ug/l	96
59) 2-Hexanone	9.47	43	1296	0.309	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.12	83	130	2.090	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	111574	21.061	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	111574	50.191	ug/l #	13
94) Hexachlorobutadiene	13.77	225	165	0.591	ug/l #	59

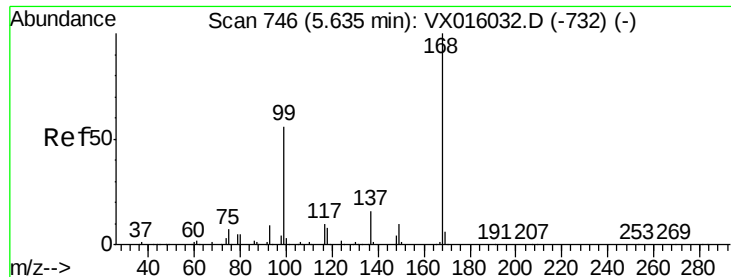
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 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: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

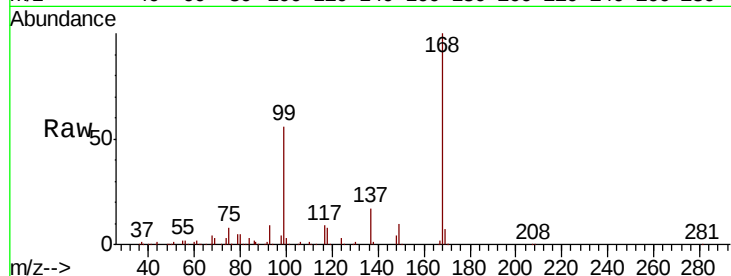
1378

Tot Ion:168 Resp: 284125

Ion Ratio Lower Upper

168 100

99 55.9 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

100000

80000

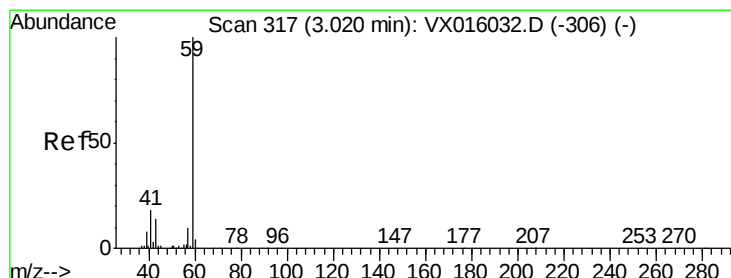
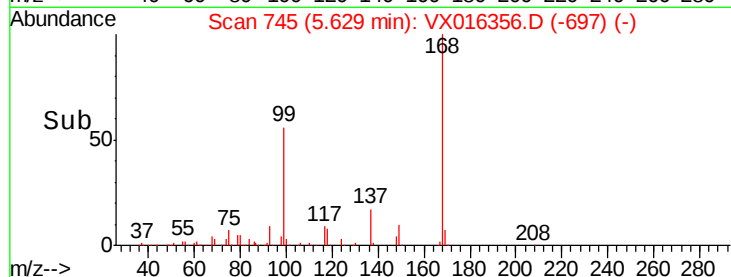
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.657 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016356.D

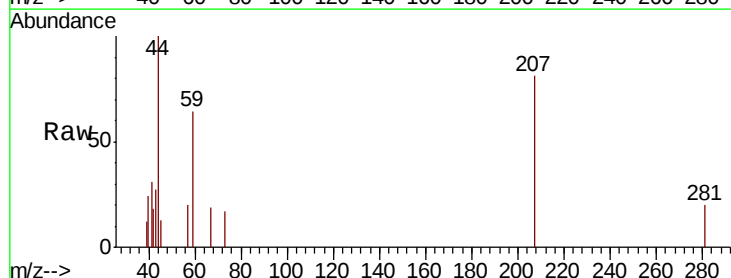
Acq: 20 May 2020 13:44

Tgt Ion: 59 Resp: 621

Ion Ratio Lower Upper

59 100

57 5.2 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

300

250

200

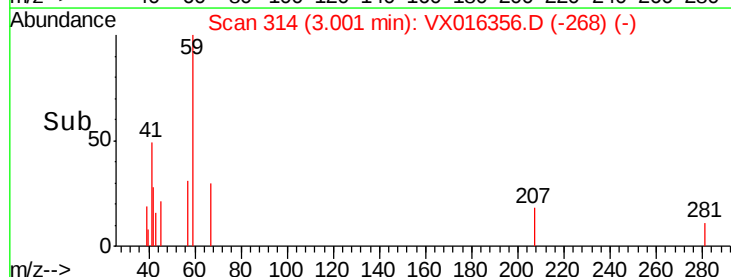
150

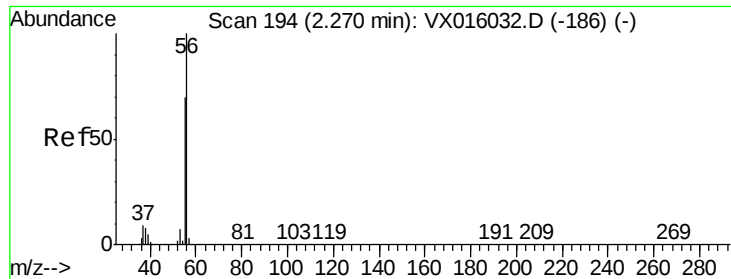
100

50

0

Time-->

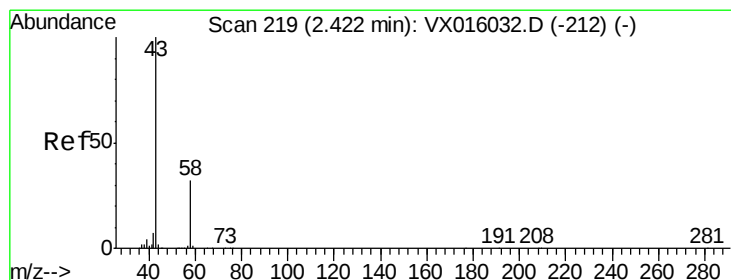
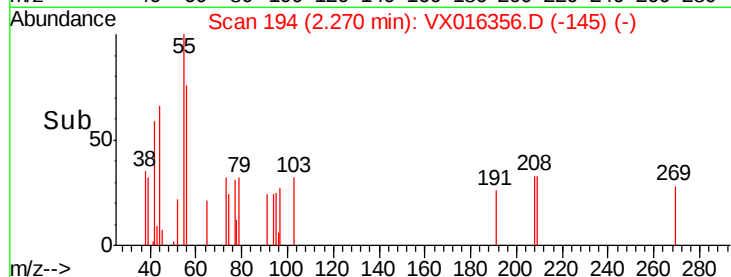
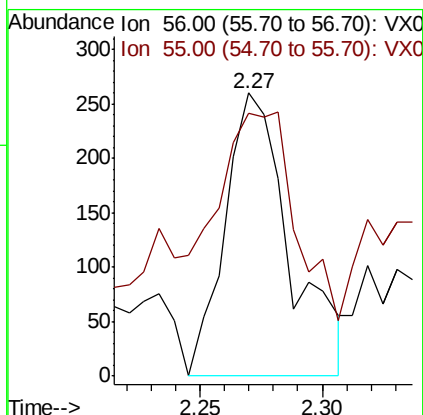
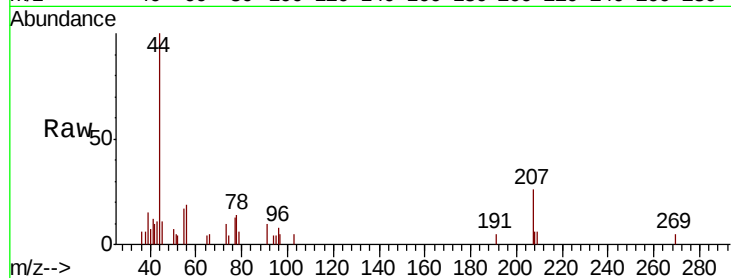




#13
Acrolein
Concen: 0.810 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016356.D
Acq: 20 May 2020 13:44

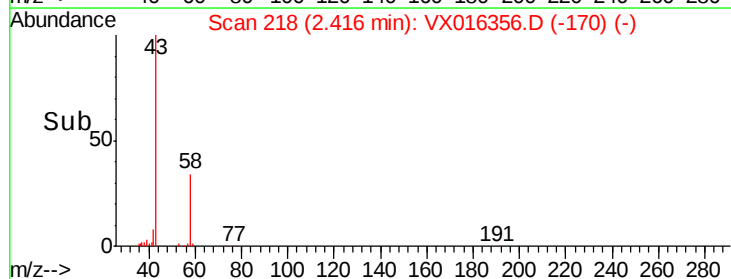
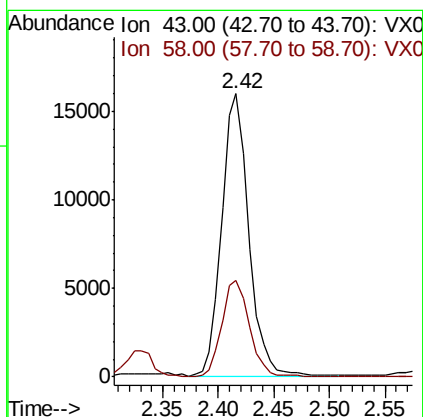
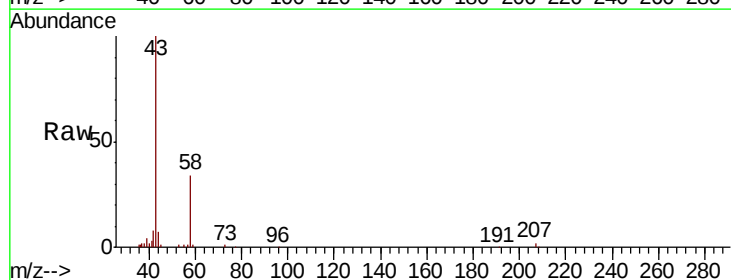
Instrument :
MSVOA_X
ClientSampled :
1378

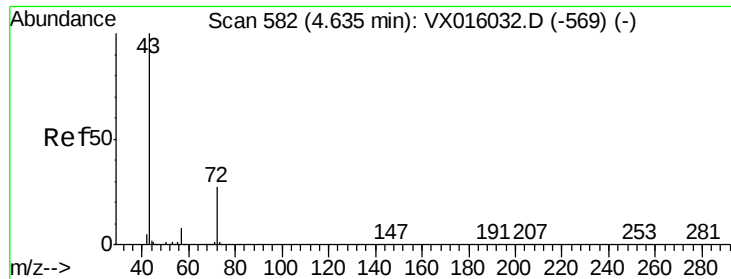
Tot Ion: 56 Resp: 479
Ion Ratio Lower Upper
56 100
55 123.2 56.5 84.7#



#16
Acetone
Concen: 16.295 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016356.D
Acq: 20 May 2020 13:44

Tgt Ion: 43 Resp: 27184
Ion Ratio Lower Upper
43 100
58 33.9 25.4 38.0





#25

2-Butanone

Concen: 1.925 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

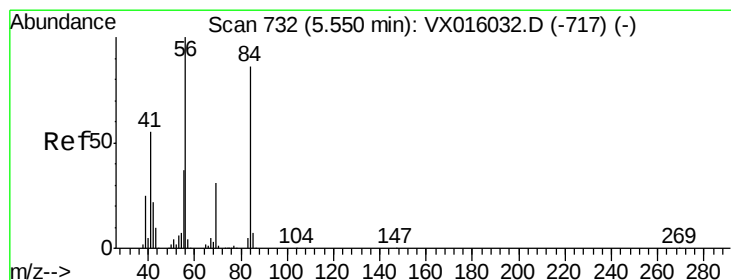
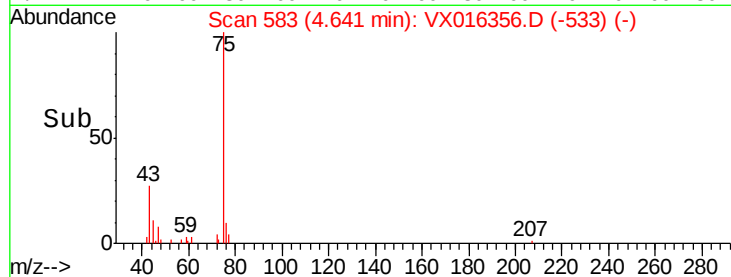
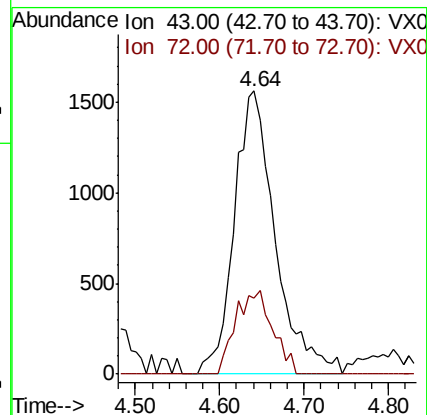
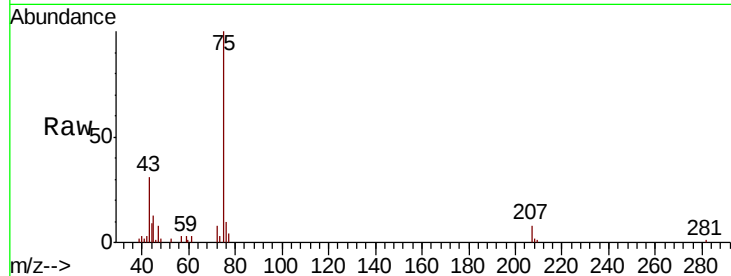
1378

Tot Ion: 43 Resp: 5176

Ion Ratio Lower Upper

43 100

72 26.7 21.8 32.8



#31

Cyclohexane

Concen: 0.959 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

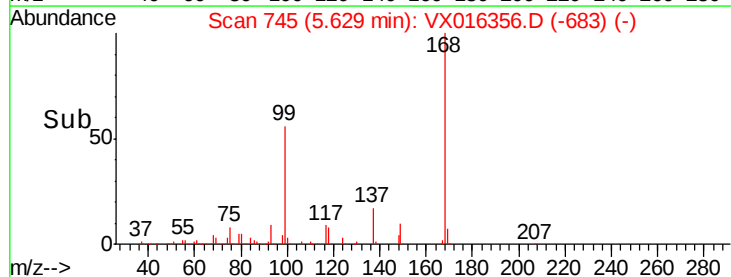
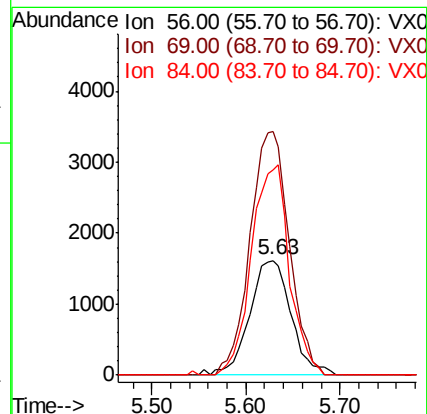
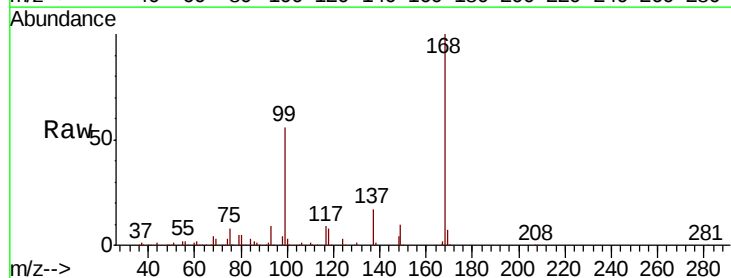
Tgt Ion: 56 Resp: 4982

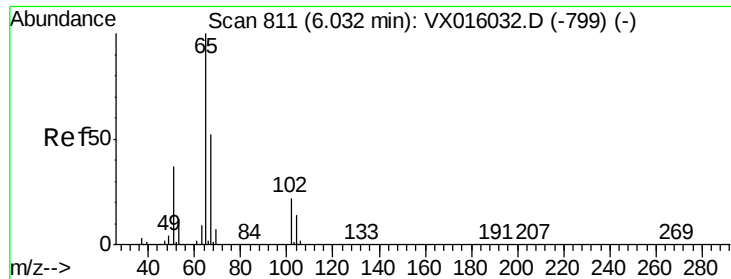
Ion Ratio Lower Upper

56 100

69 212.6 25.0 37.6#

84 178.9 69.0 103.6#

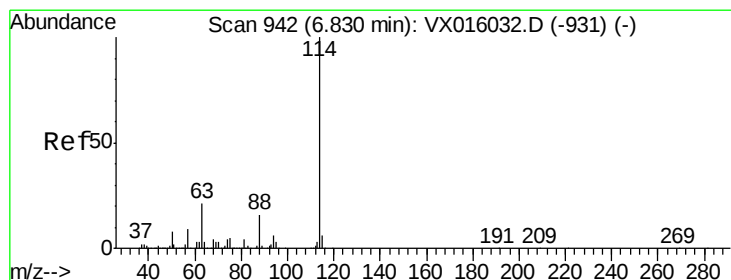
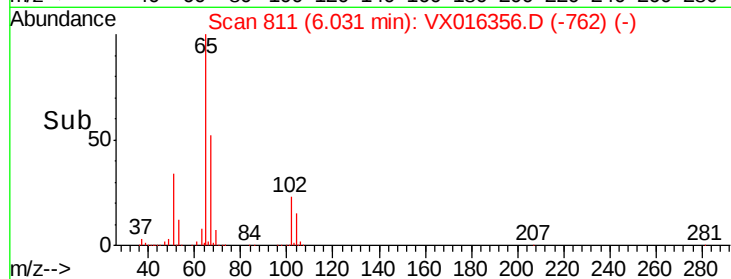
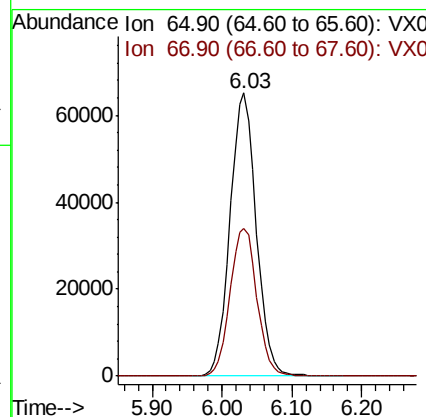
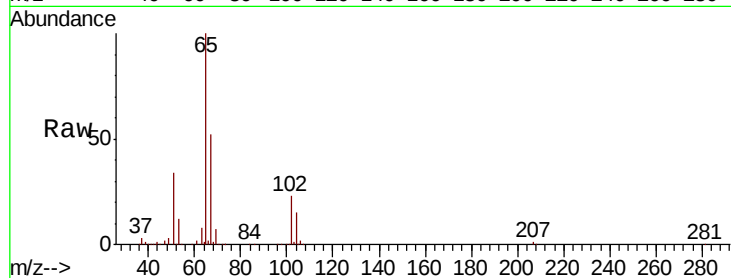




#33
 1,2-Dichloroethane-d4
 Concen: 45.367 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016356.D
 Acq: 20 May 2020 13:44

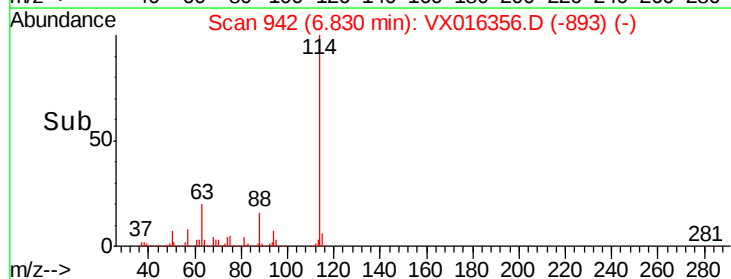
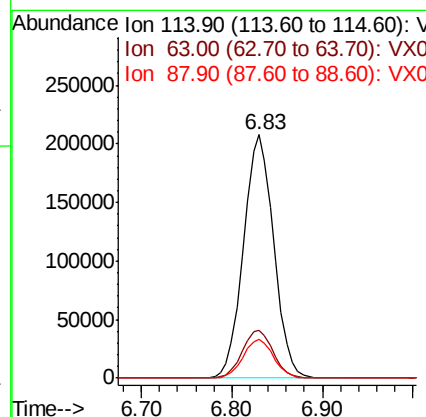
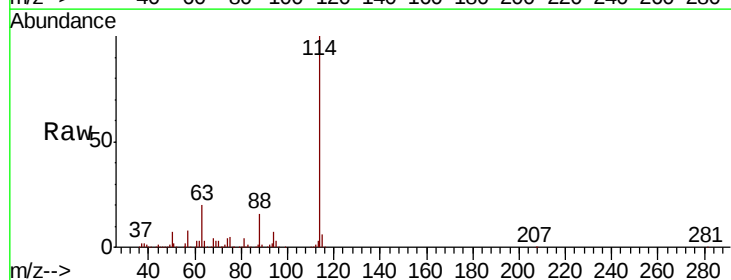
Instrument :
 MSVOA_X
 ClientSampleId :
 1378

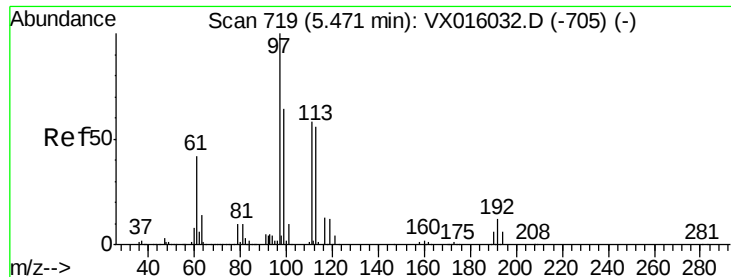
Tot Ion: 65 Resp: 169619
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016356.D
 Acq: 20 May 2020 13:44

Tgt Ion: 114 Resp: 480189
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.8
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.197 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

1378

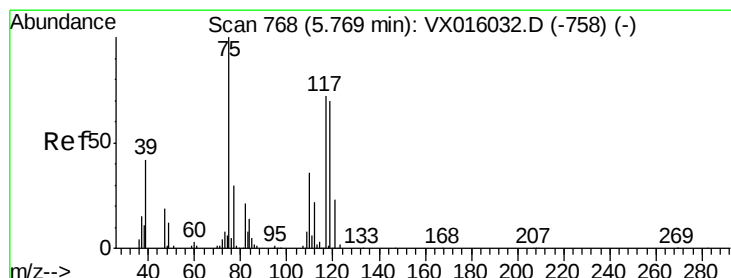
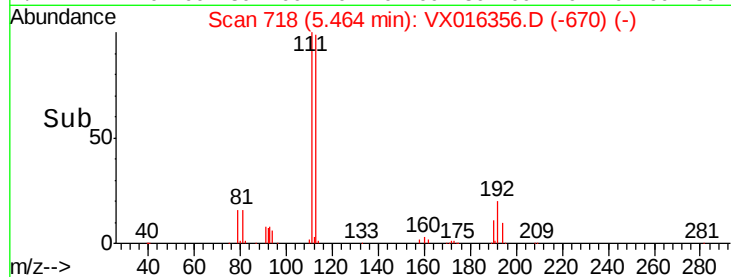
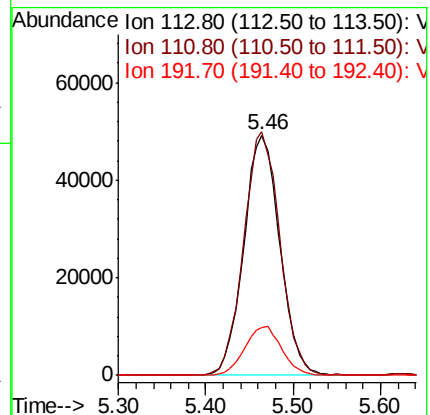
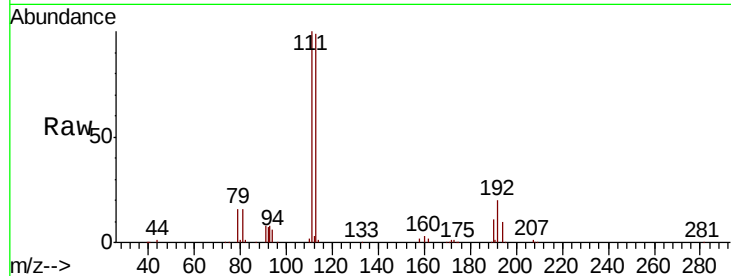
Tot Ion:113 Resp: 140540

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

192 21.0 17.0 25.4



#36

1,1-Dichloropropene

Concen: 4.338 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

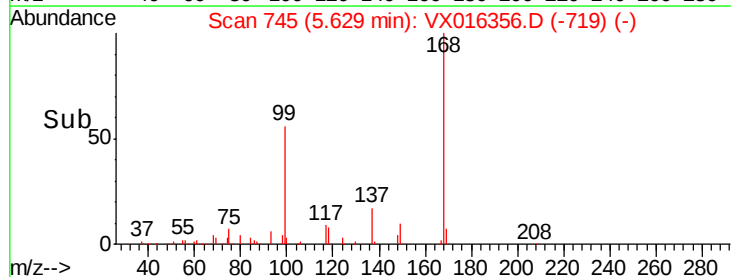
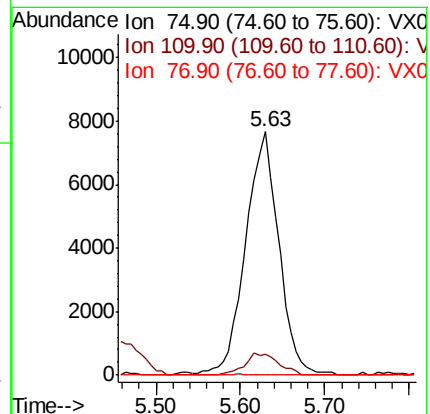
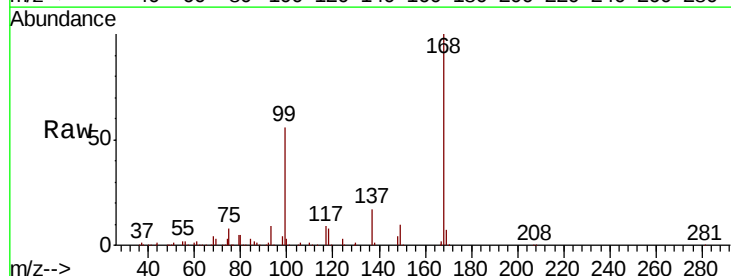
Tgt Ion: 75 Resp: 20503

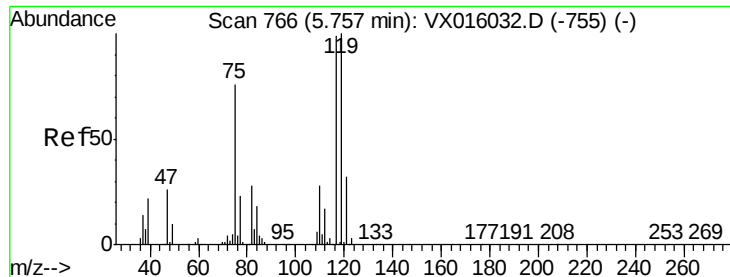
Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.694 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

1378

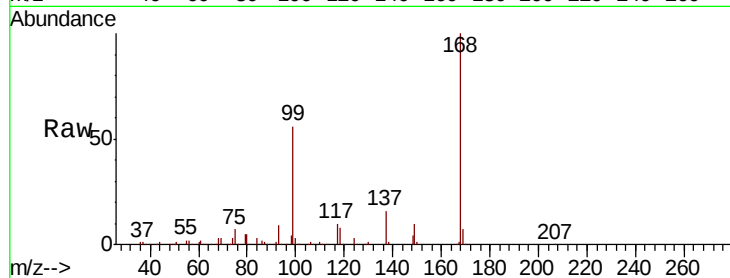
Tot Ion:117 Resp: 27355

Ion Ratio Lower Upper

117 100

119 3.5 80.3 120.5#

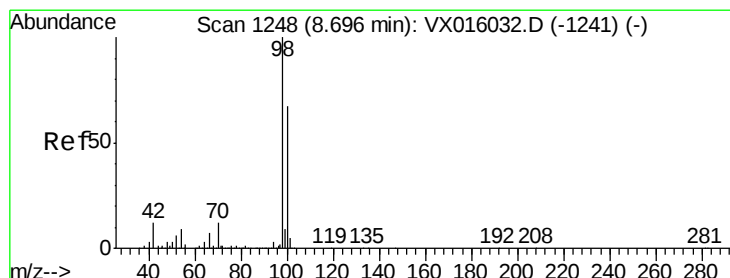
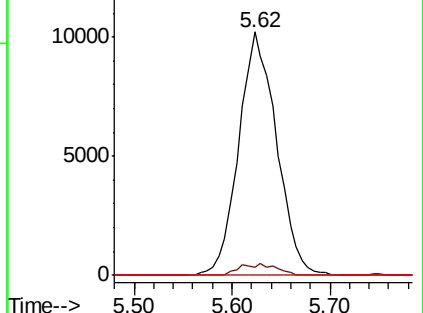
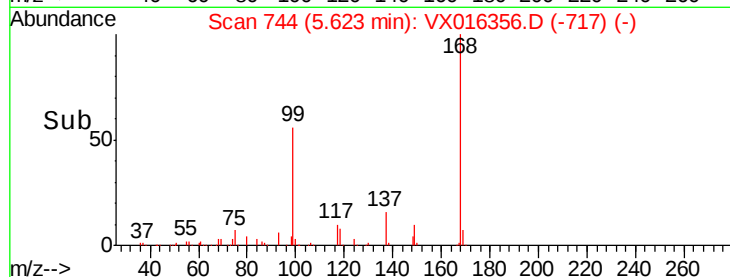
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 50.243 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016356.D

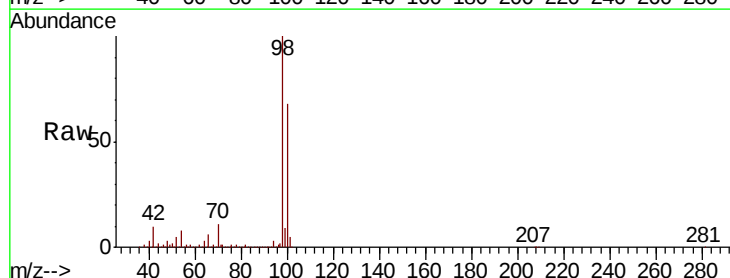
Acq: 20 May 2020 13:44

Tgt Ion: 98 Resp: 588934

Ion Ratio Lower Upper

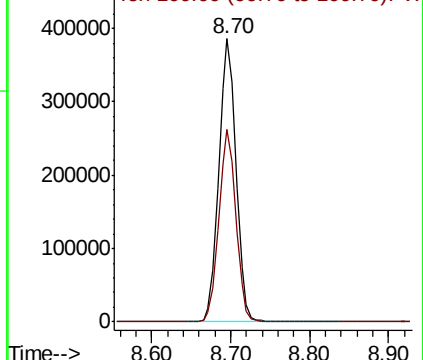
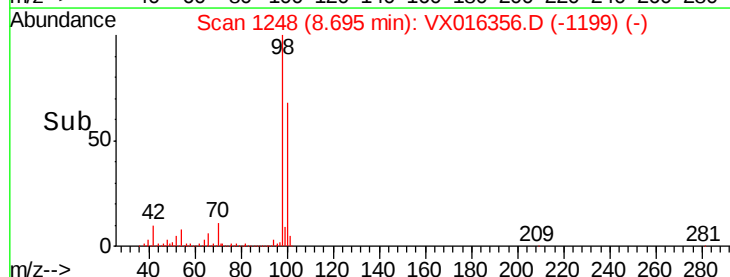
98 100

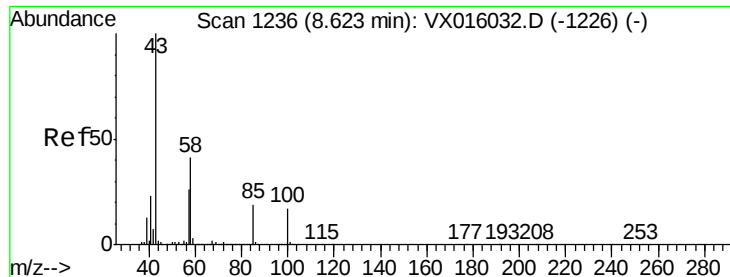
100 67.5 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

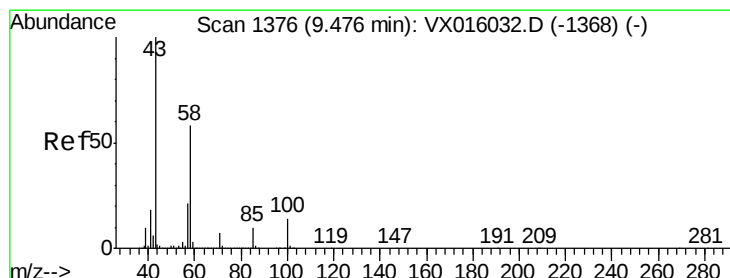
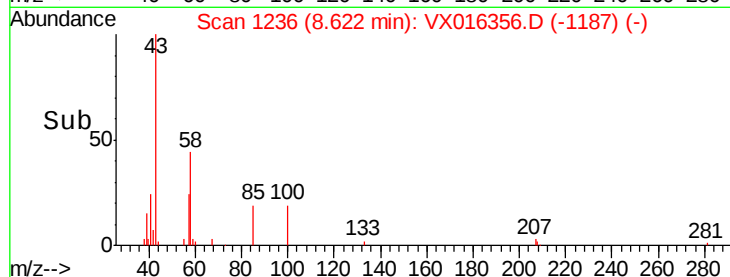
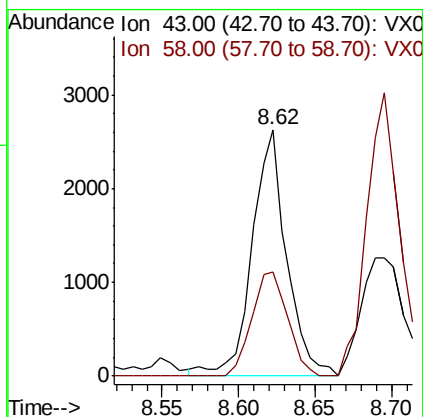
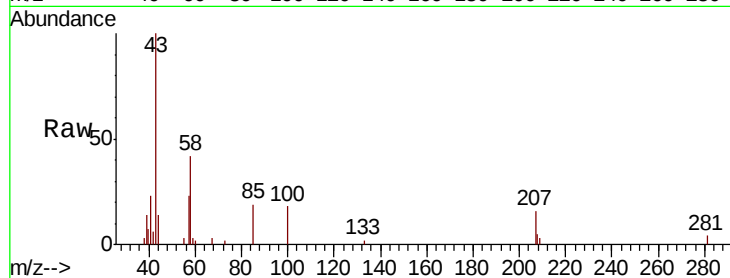




#51
4-Methyl-2-Pentanone
Concen: 0.770 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016356.D
Acq: 20 May 2020 13:44

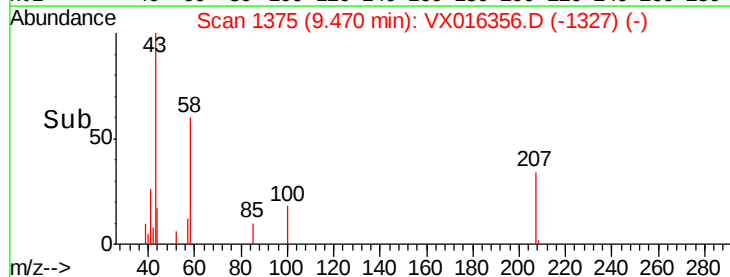
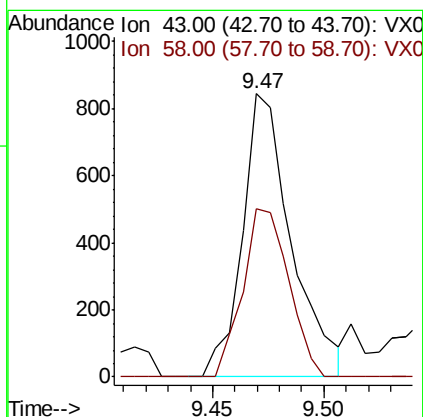
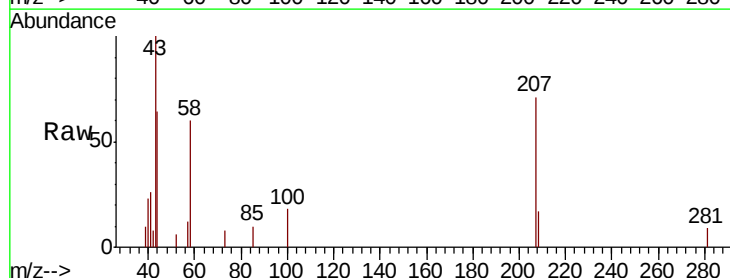
Instrument :
MSVOA_X
ClientSampled :
1378

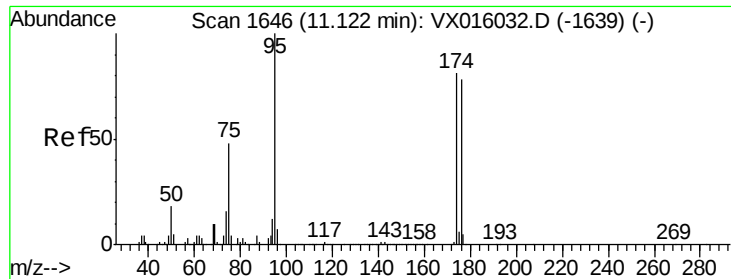
Tot Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
58 43.9 33.0 49.4



#59
2-Hexanone
Concen: 0.309 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016356.D
Acq: 20 May 2020 13:44

Tgt Ion: 43 Resp: 1296
Ion Ratio Lower Upper
43 100
58 55.8 28.6 85.9





#62

4-Bromofluorobenzene

Concen: 52.652 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampled :

1378

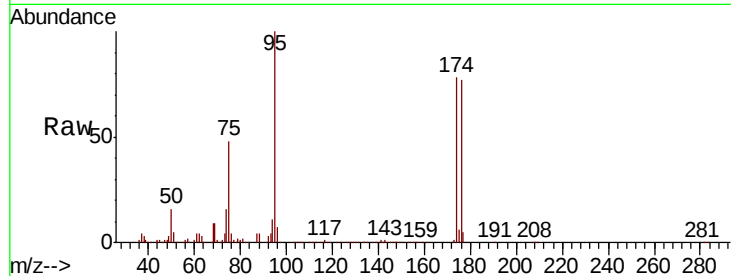
Tot Ion: 95 Resp: 234743

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.4

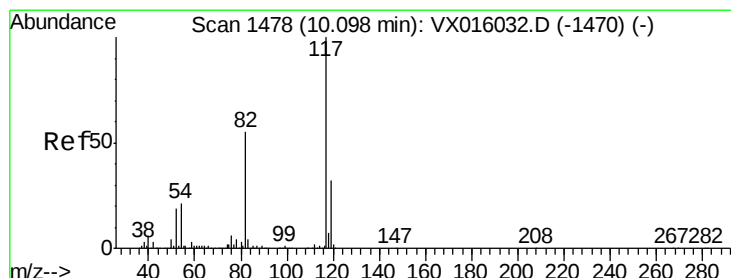
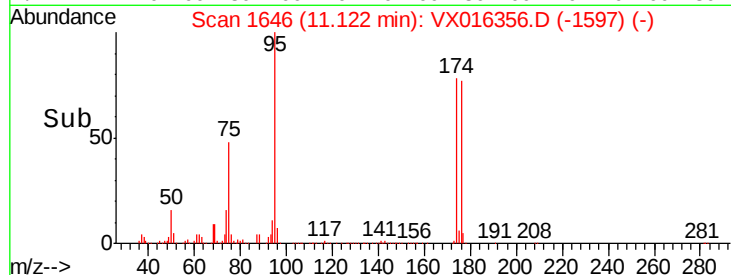
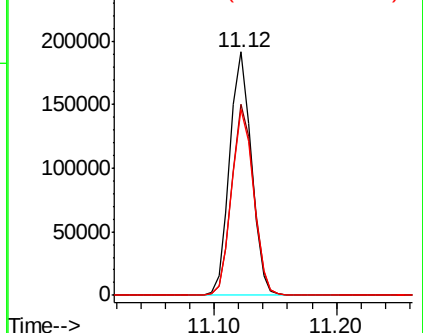
176 77.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

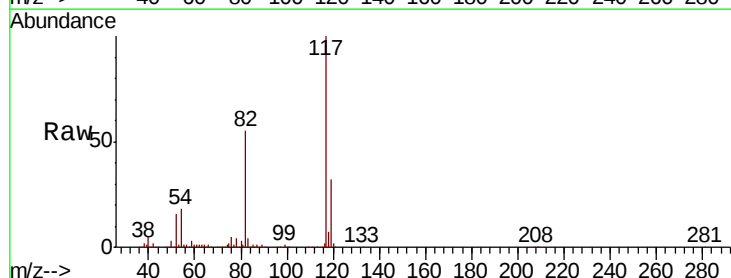
Tgt Ion: 117 Resp: 471538

Ion Ratio Lower Upper

117 100

82 54.7 44.4 66.6

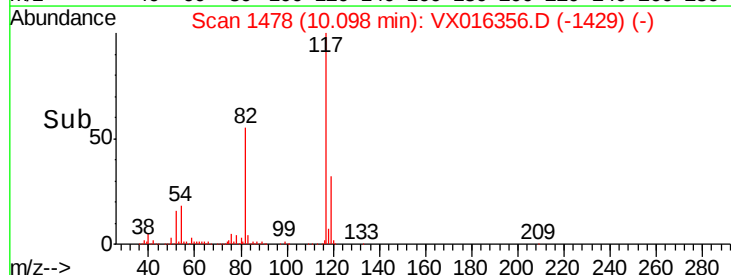
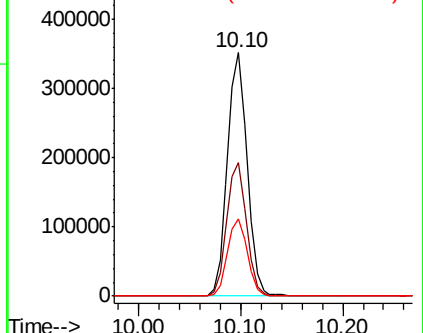
119 31.6 25.5 38.3

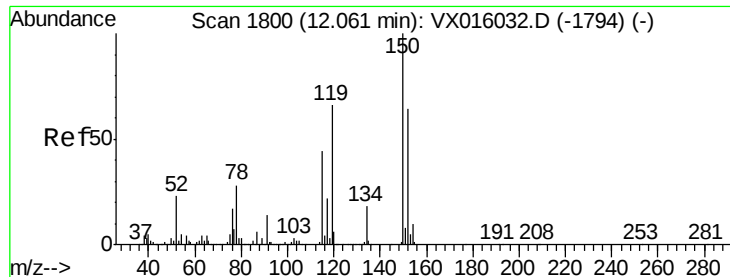


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

1378

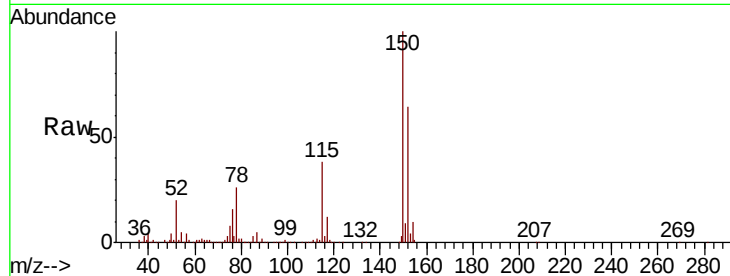
Tot Ion:152 Resp: 233452

Ion Ratio Lower Upper

152 100

115 58.1 41.3 124.1

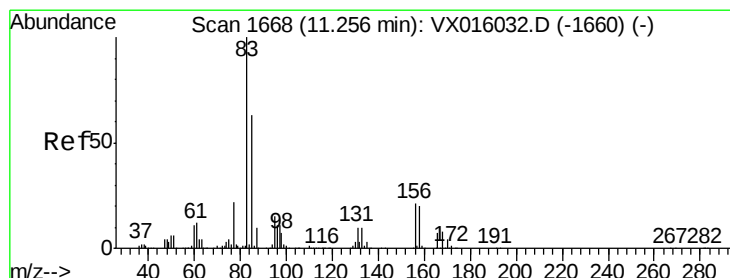
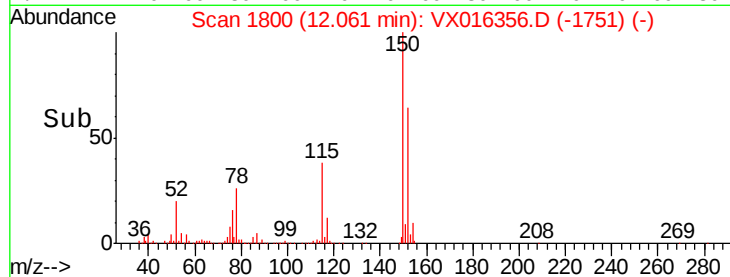
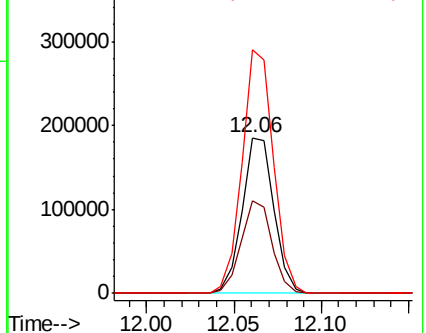
150 154.3 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.090 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

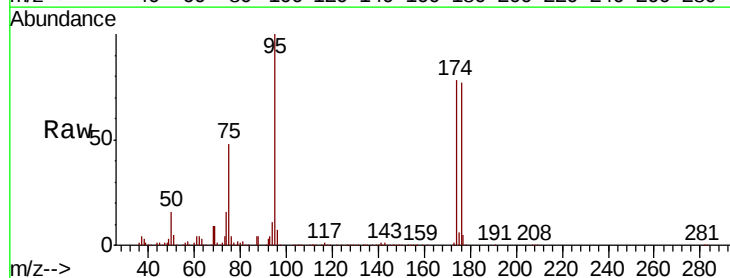
Tgt Ion: 83 Resp: 130

Ion Ratio Lower Upper

83 100

131 245.4 5.1 15.4#

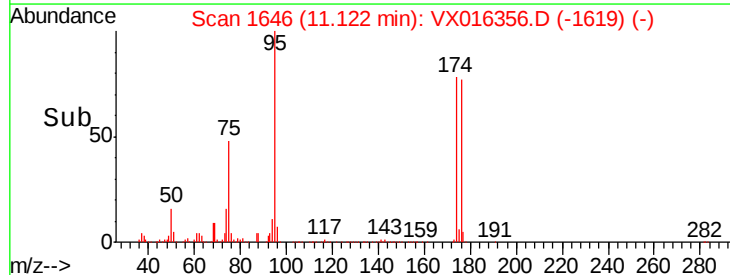
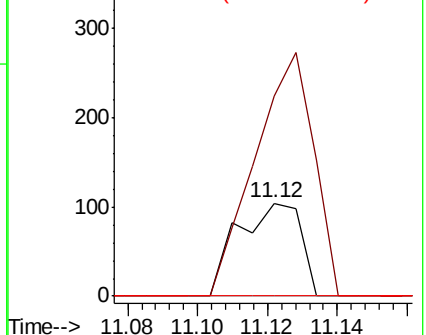
85 0.0 32.0 96.0#

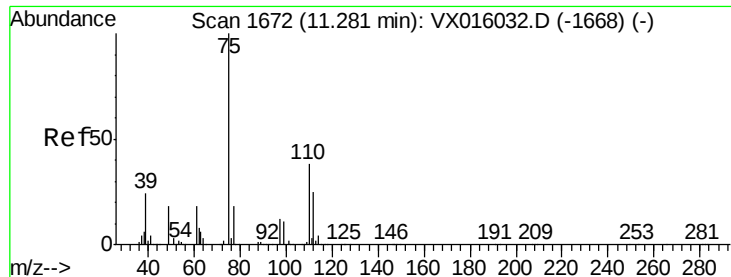


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.061 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampled :

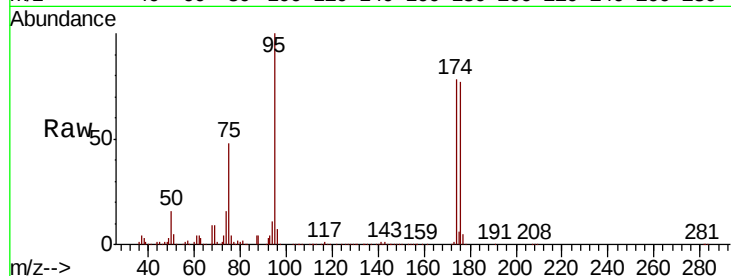
1378

Tot Ion: 75 Resp: 111574

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

100000

80000

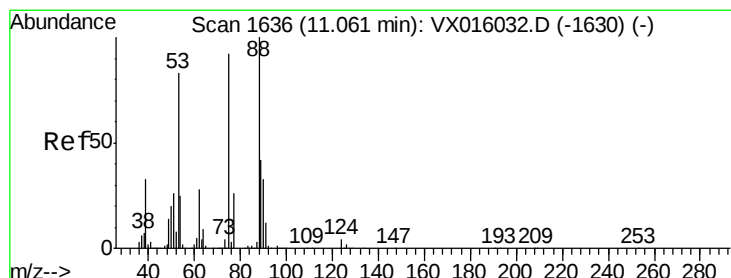
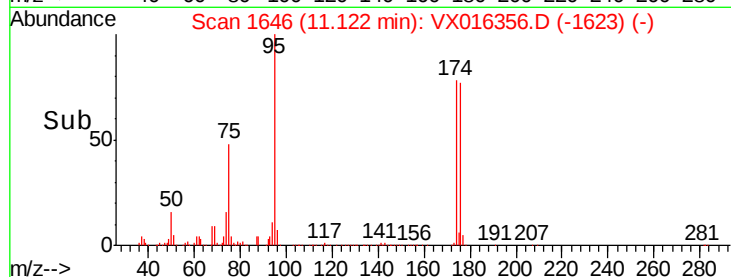
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 50.191 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

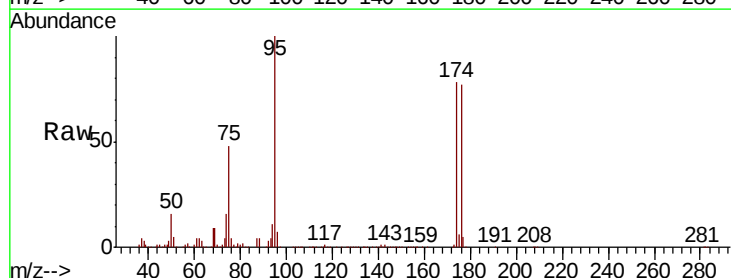
Tgt Ion: 75 Resp: 111574

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

120000

100000

80000

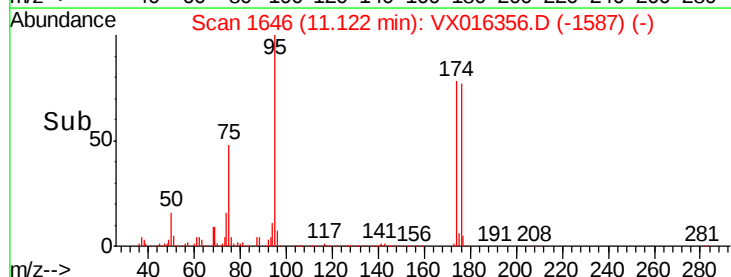
60000

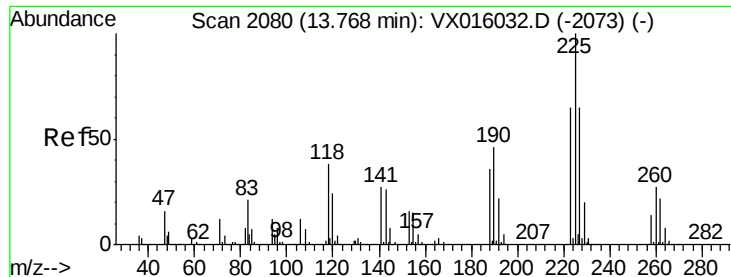
40000

20000

0

Time-->





#94

Hexachlorobutadiene

Concen: 0.591 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016356.D

Acq: 20 May 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :
1378

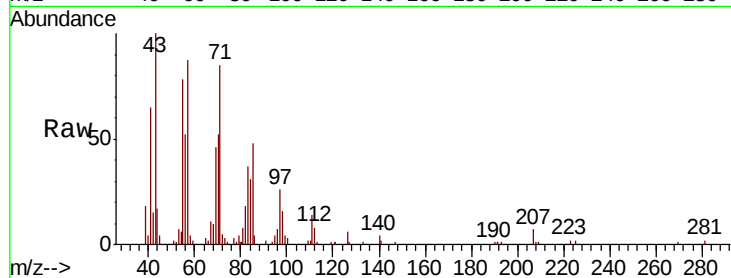
Tot Ion:225 Resp: 165

Ion Ratio Lower Upper

225 100

223 63.0 32.3 96.9

227 0.0 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

