

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052020\
 Data File : VX016367.D
 Acq On : 20 May 2020 17:53
 Operator : JC/SP
 Sample : L2684-02 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 21 03:54:29 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	272922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	460209	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233367	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	162887	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	
35) Dibromofluoromethane	5.47	113	135848	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	
50) Toluene-d8	8.70	98	563631	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.12	95	233472	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

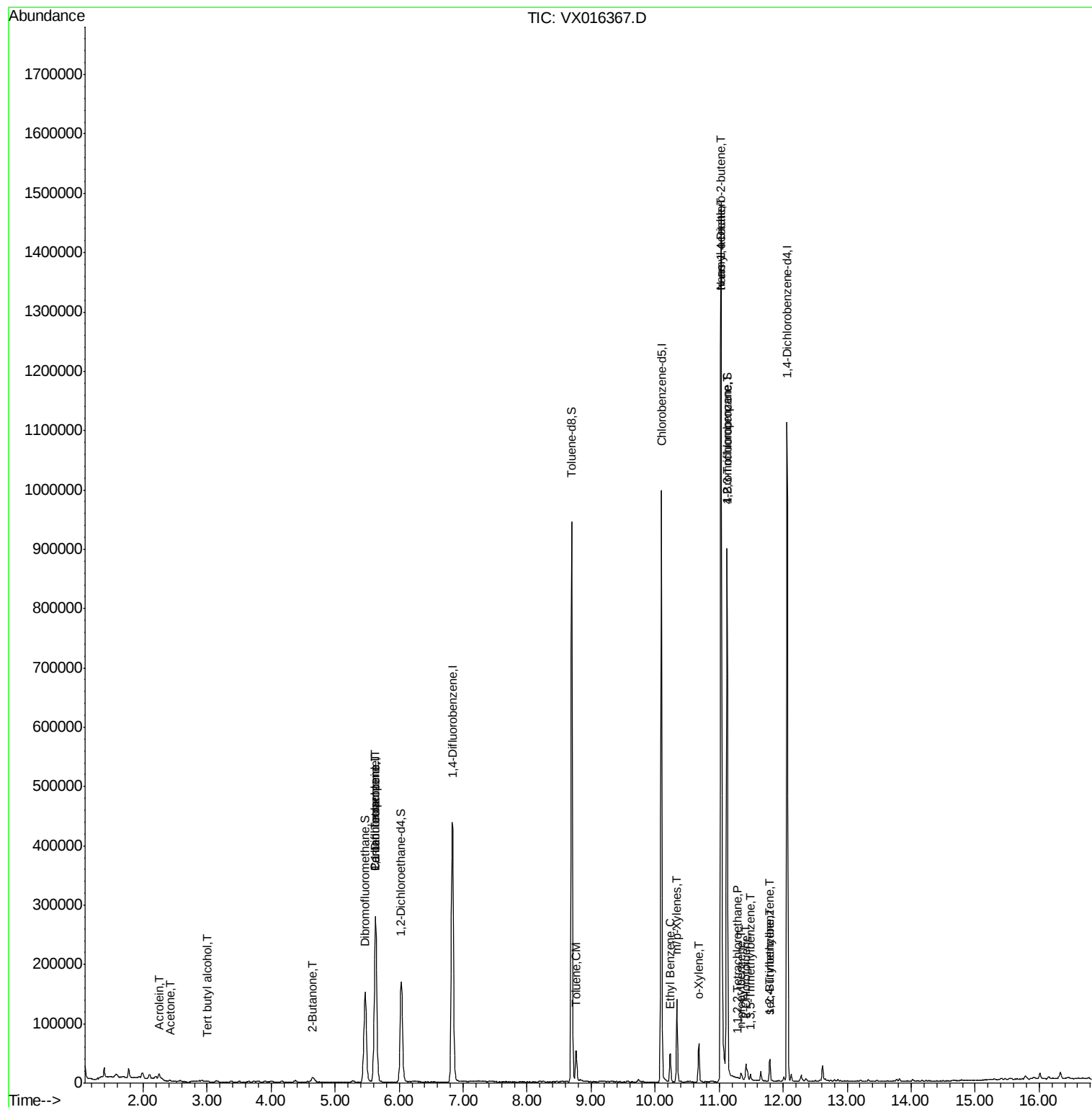
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	1040	1.145	ug/l #	61
13) Acrolein	2.25	56	139	0.245	ug/l #	1
16) Acetone	2.42	43	2514	1.569	ug/l	92
17) Carbon Disulfide	2.56	76	1182	Below Cal	#	77
25) 2-Butanone	4.64	43	1010	0.391	ug/l #	48
36) 1,1-Dichloropropene	5.63	75	20612	4.550	ug/l #	49
38) Carbon Tetrachloride	5.63	117	26476	5.750	ug/l #	14
52) Toluene	8.77	92	19735	2.389	ug/l	98
67) Ethyl Benzene	10.24	91	29128	1.708	ug/l	98
68) m/p-Xylenes	10.34	106	32337	5.061	ug/l	100
69) o-Xylene	10.68	106	14546	2.368	ug/l	98
74) N-amyl acetate	11.03	43	48456	6.120	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	11.28	83	20	2.055	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	113897	21.508	ug/l #	35
78) n-propylbenzene	11.35	91	5114	0.259	ug/l	98
79) 2-Chlorotoluene	11.41	91	2594	0.223	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.49	105	4620	0.322	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.03	75	65277	29.375	ug/l #	23
84) 1,2,4-Trimethylbenzene	11.79	105	16747	1.156	ug/l	99
85) sec-Butylbenzene	11.79	105	16747	1.004	ug/l #	56

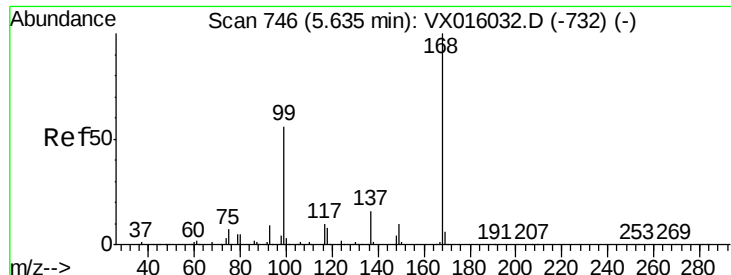
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
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: VX016367.D

Acq: 20 May 2020 17:53

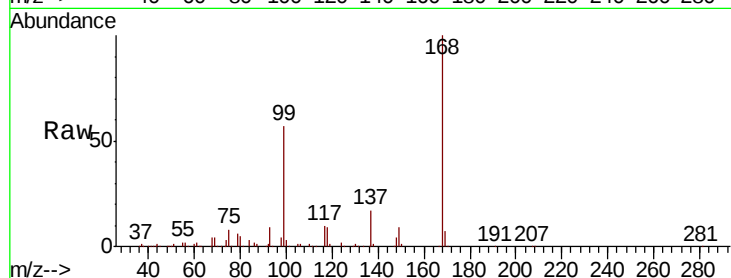
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 272922

Ion Ratio Lower Upper

168 100

99 57.3 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

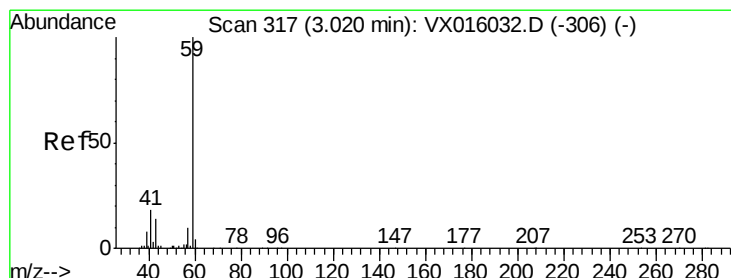
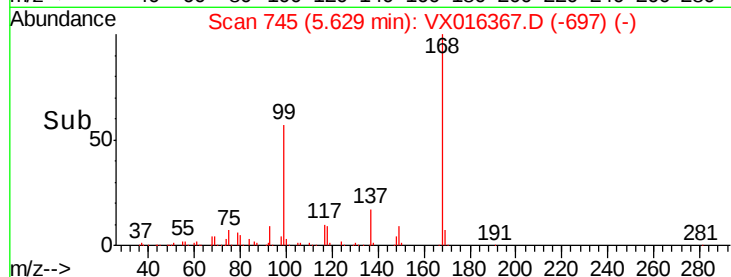
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.145 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016367.D

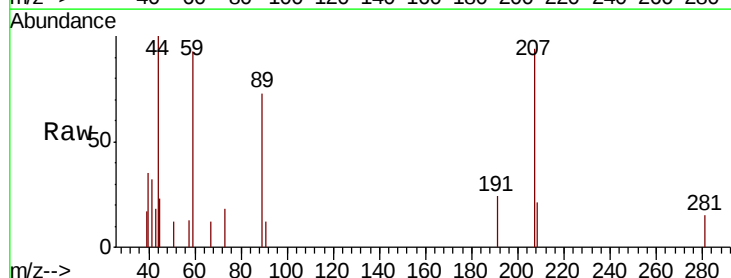
Acq: 20 May 2020 17:53

Tgt Ion: 59 Resp: 1040

Ion Ratio Lower Upper

59 100

57 24.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

500

400

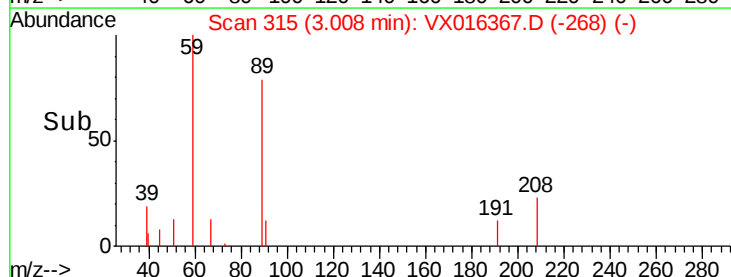
300

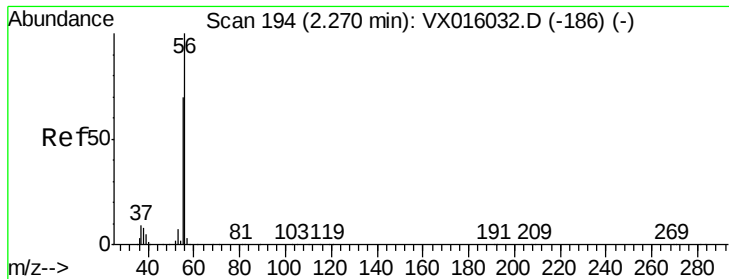
200

100

0

Time-->





#13

Acrolein

Concen: 0.245 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

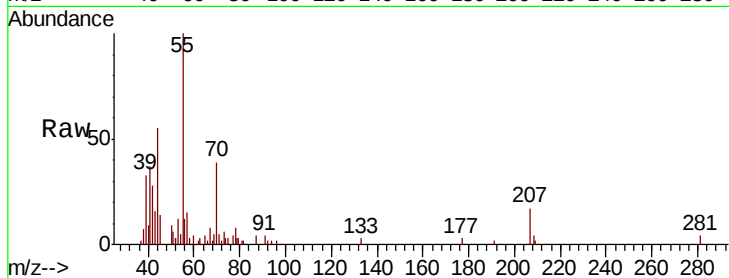
ClientSampleId :

Tot Ion: 56 Resp: 139

Ion Ratio Lower Upper

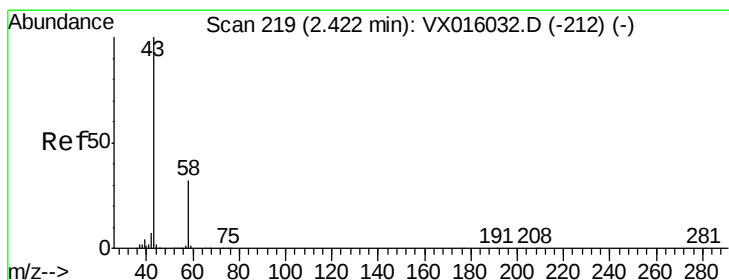
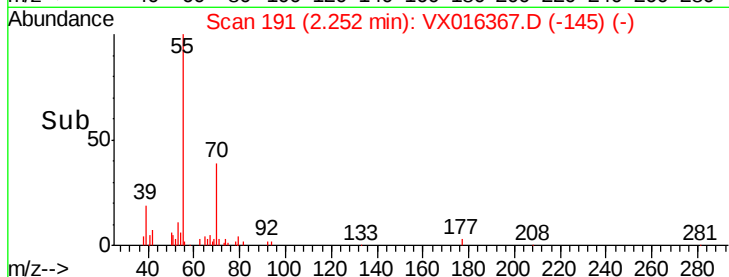
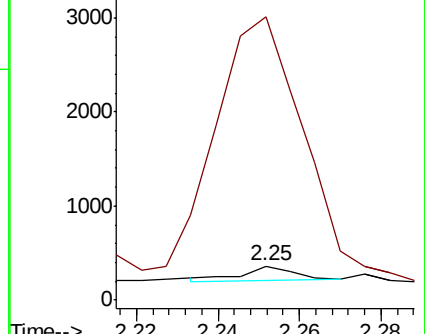
56 100

55 3087.1 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.569 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016367.D

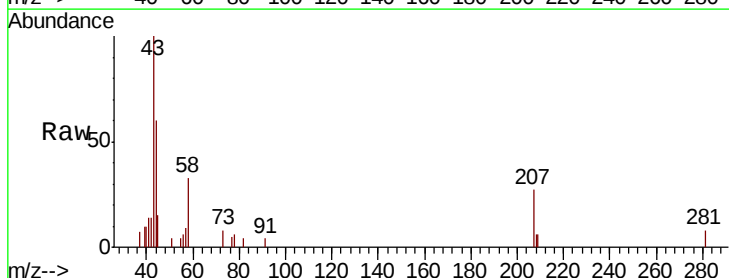
Acq: 20 May 2020 17:53

Tgt Ion: 43 Resp: 2514

Ion Ratio Lower Upper

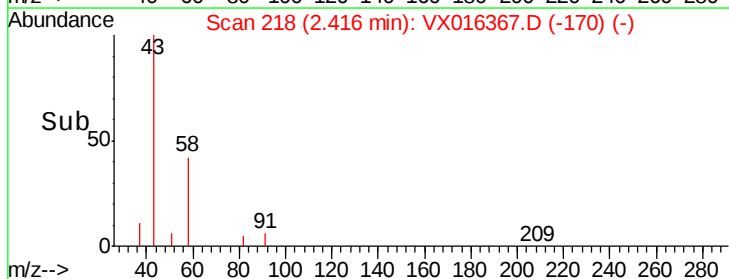
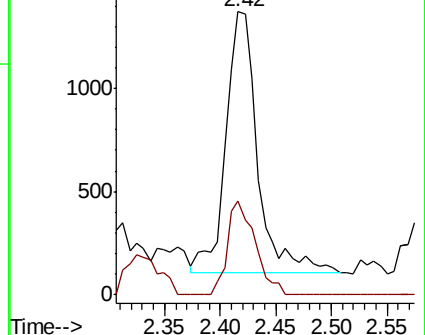
43 100

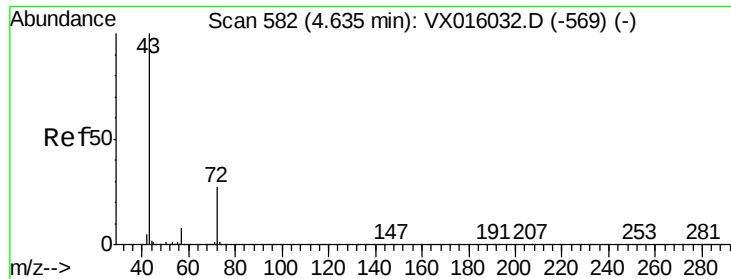
58 36.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

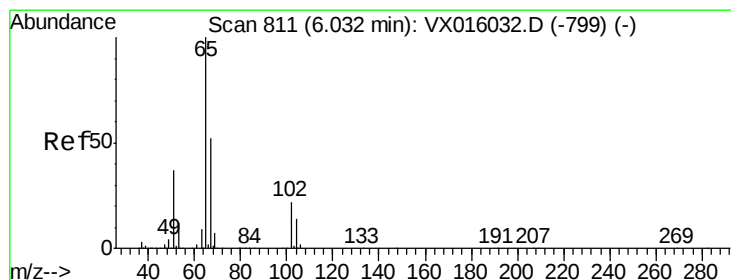
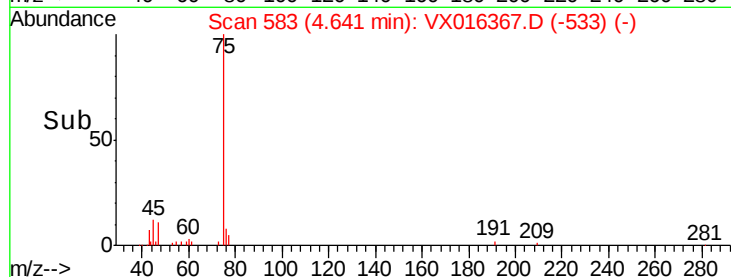
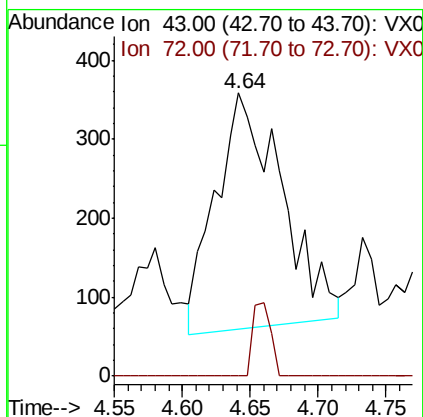
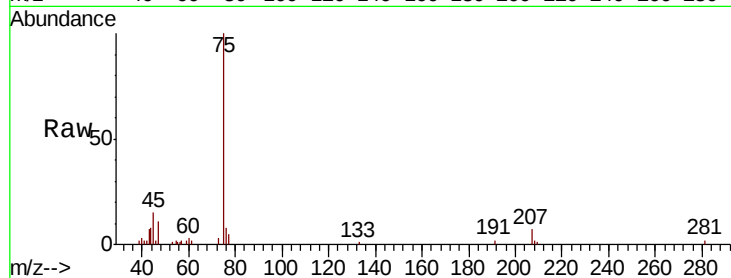




#25
2-Butanone
Concen: 0.391 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016367.D
Acq: 20 May 2020 17:53

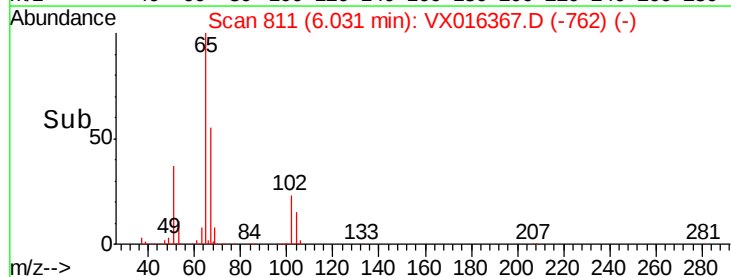
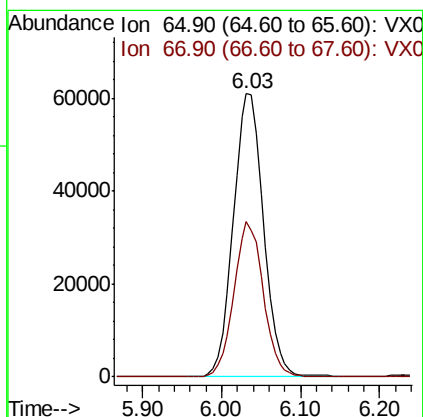
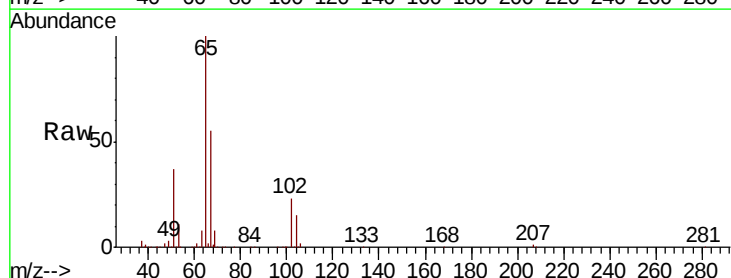
Instrument :
MSVOA_X
ClientSampleId :

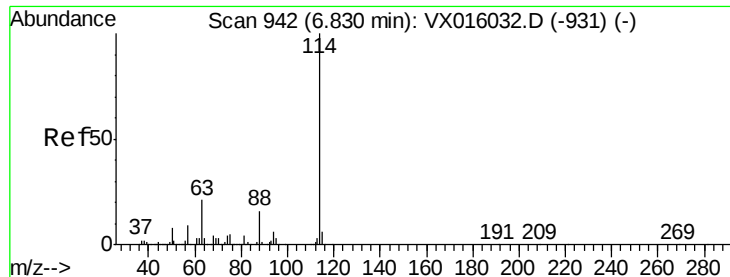
Tot Ion: 43 Resp: 1010
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.8#



#33
1,2-Dichloroethane-d4
Concen: 45.355 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016367.D
Acq: 20 May 2020 17:53

Tgt Ion: 65 Resp: 162887
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

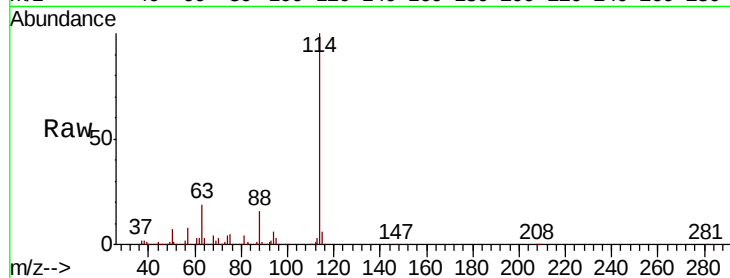
Tot Ion:114 Resp: 460209

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.8

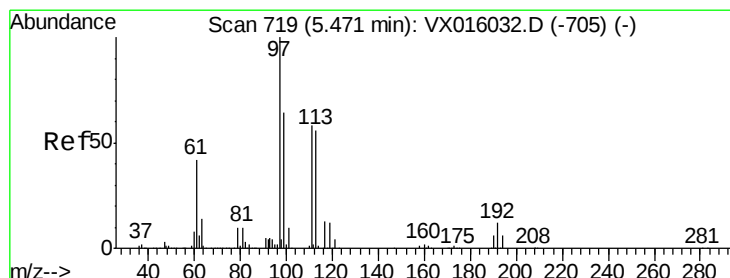
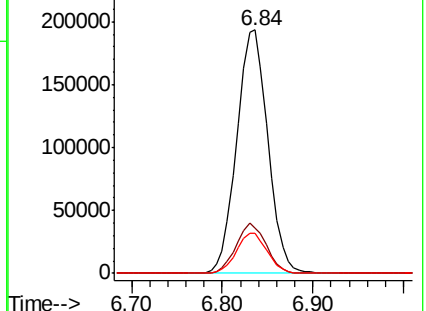
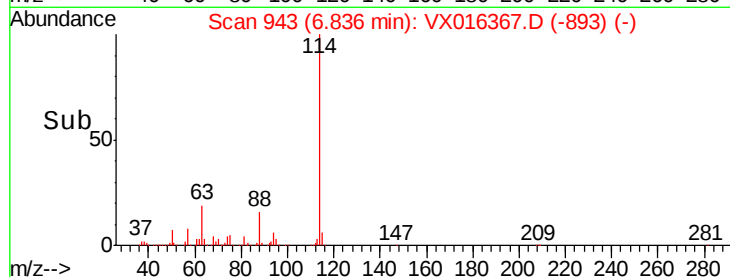
88 16.2 0.0 31.4



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: 46.593 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

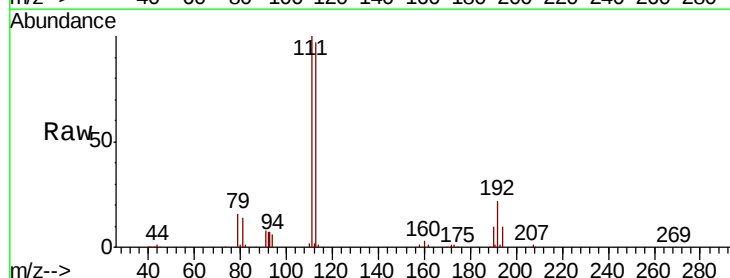
Tgt Ion:113 Resp: 135848

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

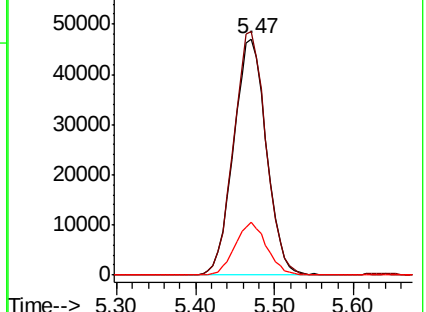
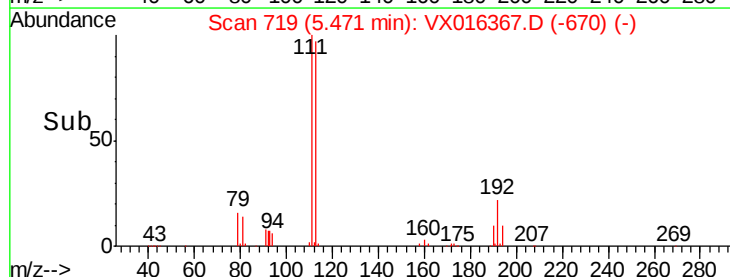
192 21.5 17.0 25.4

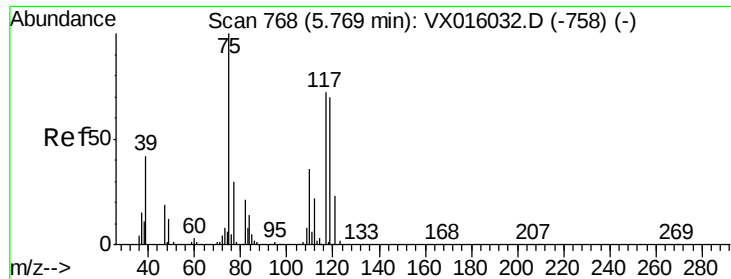


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 5.63 min Scan# 745

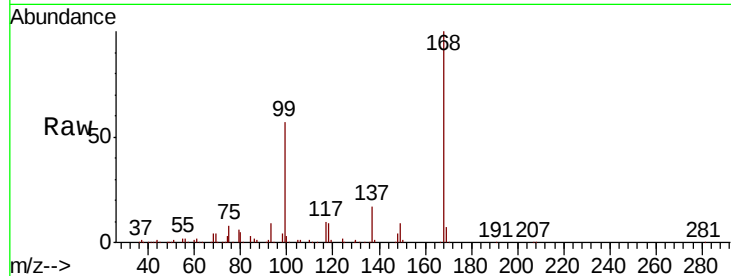
Delta R.T. -0.14 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :
MSVOA_X
ClientSampleId :

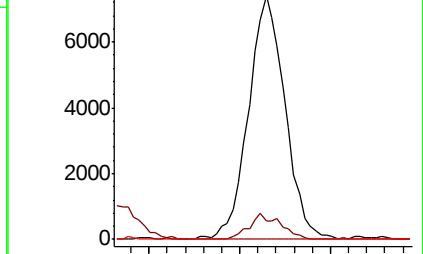
Tot Ion:	75	Resp:	20612
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.0	25.0	37.6#



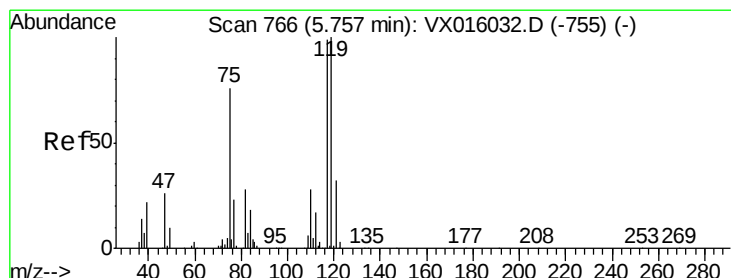
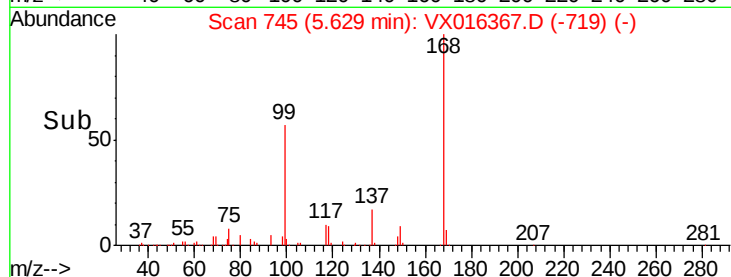
Abundance Ion 74.90 (74.60 to 75.60): VX016367.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016367.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016367.D (-719) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 5.750 ug/l

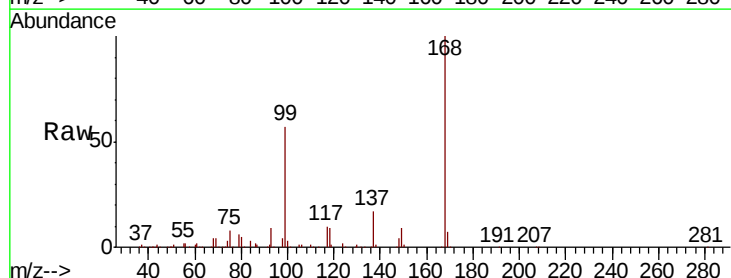
RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

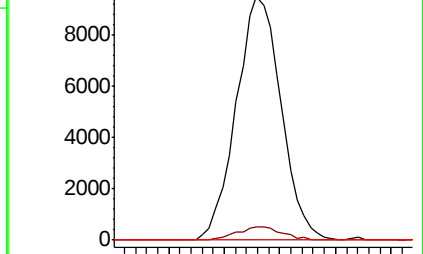
Tgt Ion:	117	Resp:	26476
Ion	Ratio	Lower	Upper
117	100		
119	5.3	80.3	120.5#
121	0.0	25.7	38.5#



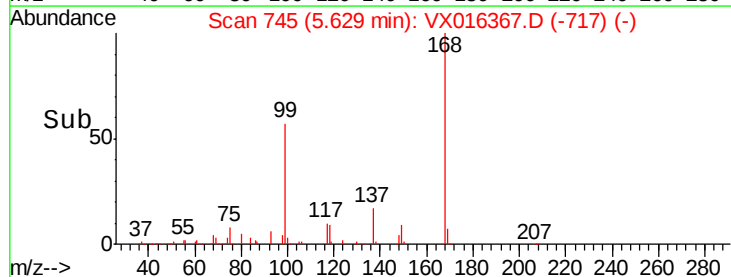
Abundance Ion 116.80 (116.50 to 117.50): VX016367.D (-717) (-)

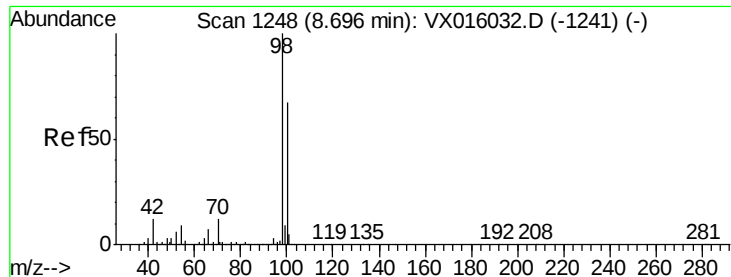
Ion 118.80 (118.50 to 119.50): VX016367.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016367.D (-717) (-)



Time-->





#50

Toluene-d8

Concen: 50.172 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

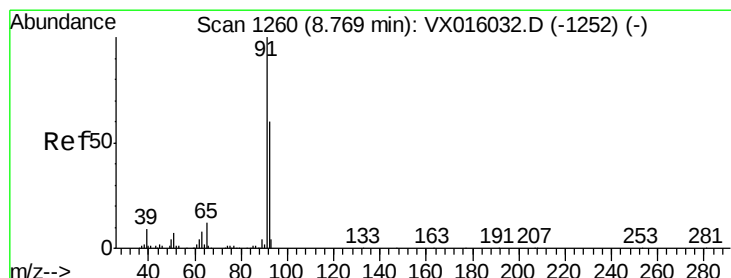
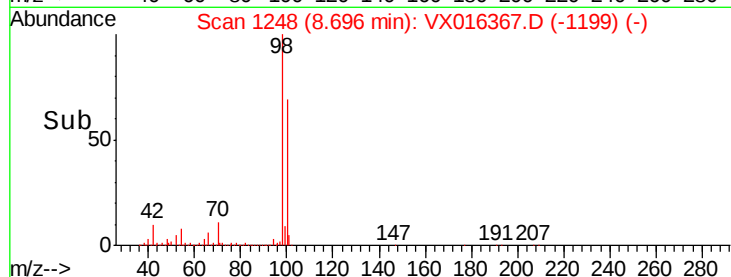
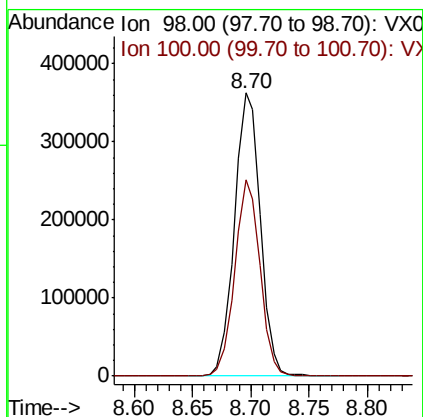
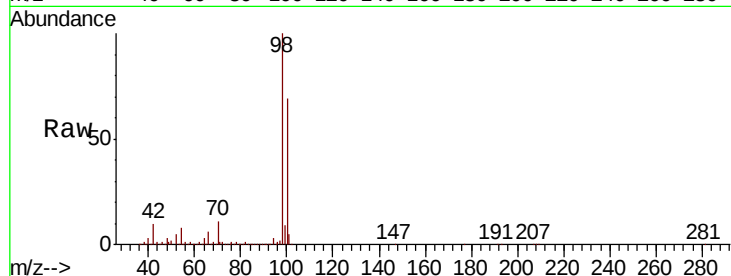
ClientSampleId :

Tot Ion: 98 Resp: 563631

Ion Ratio Lower Upper

98 100

100 67.6 53.7 80.5



#52

Toluene

Concen: 2.389 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016367.D

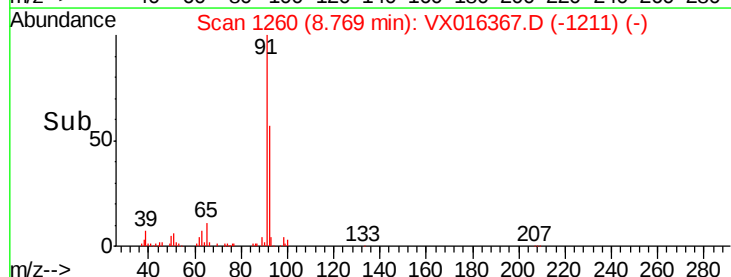
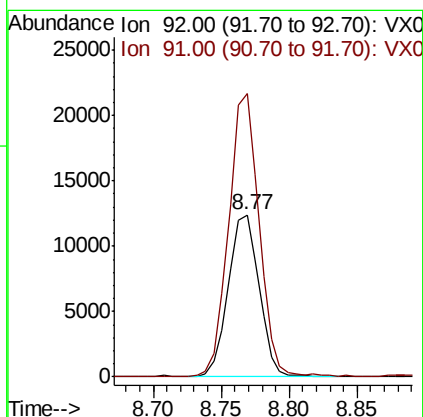
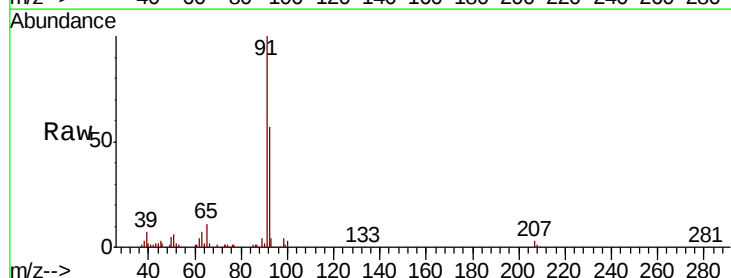
Acq: 20 May 2020 17:53

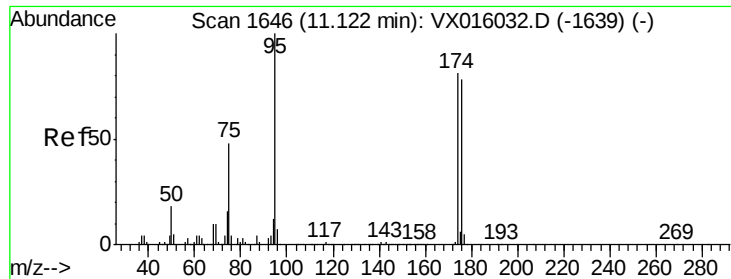
Tgt Ion: 92 Resp: 19735

Ion Ratio Lower Upper

92 100

91 170.5 134.5 201.7

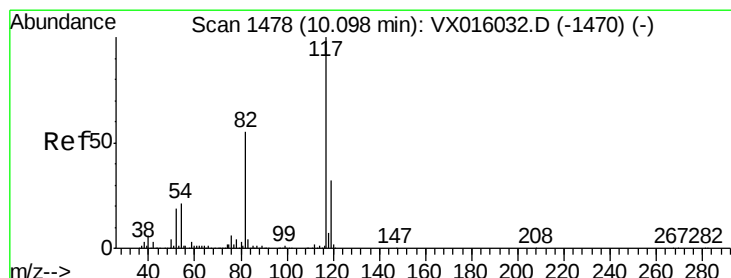
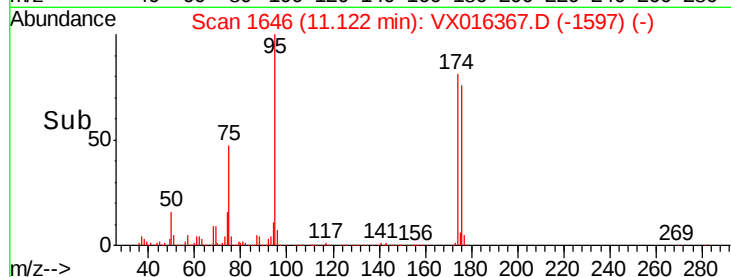
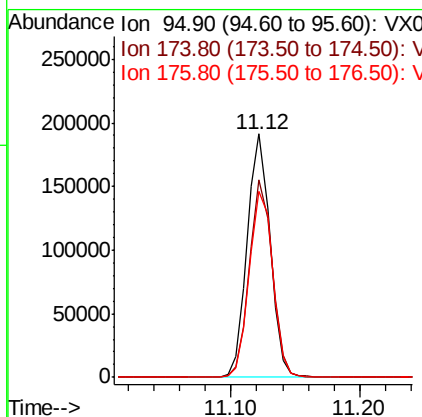
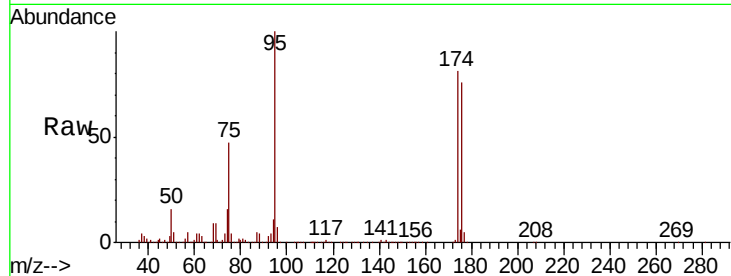




#62
4-Bromofluorobenzene
Concen: 54.640 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016367.D
Acq: 20 May 2020 17:53

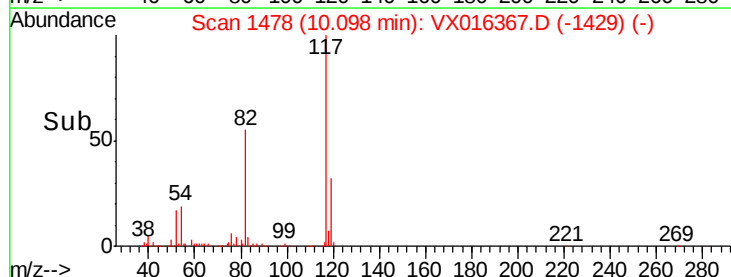
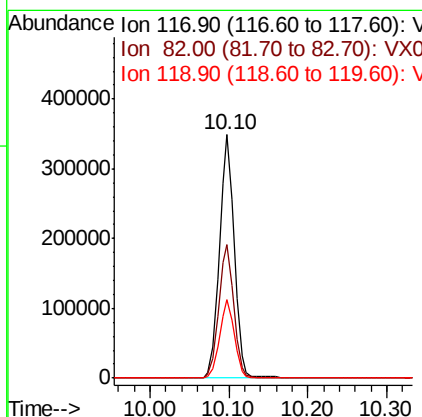
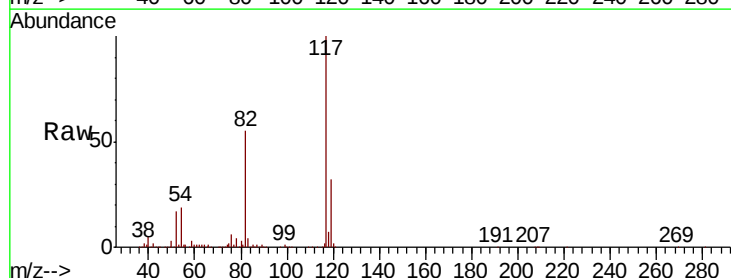
Instrument :
MSVOA_X
ClientSampled :

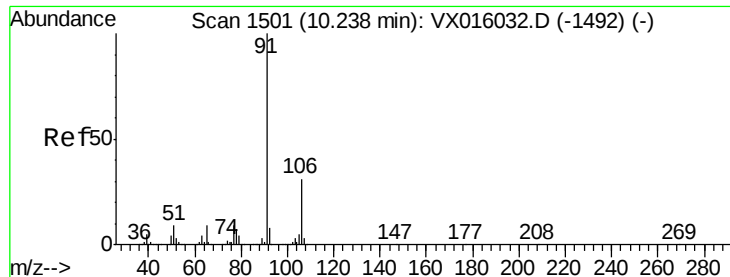
Tot Ion: 95 Resp: 233472
Ion Ratio Lower Upper
95 100
174 80.9 0.0 159.4
176 78.5 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016367.D
Acq: 20 May 2020 17:53

Tgt Ion: 117 Resp: 456447
Ion Ratio Lower Upper
117 100
82 54.7 44.4 66.6
119 32.1 25.5 38.3





#67

Ethyl Benzene

Concen: 1.708 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

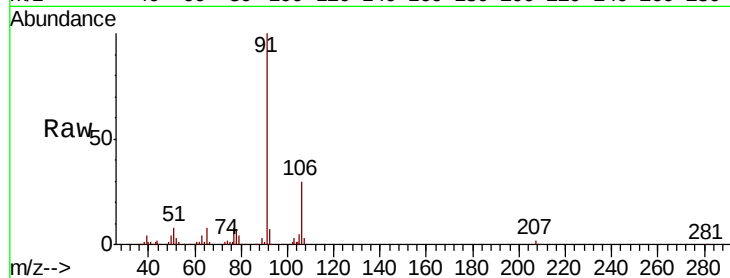
ClientSampleId :

Tot Ion: 91 Resp: 29128

Ion Ratio Lower Upper

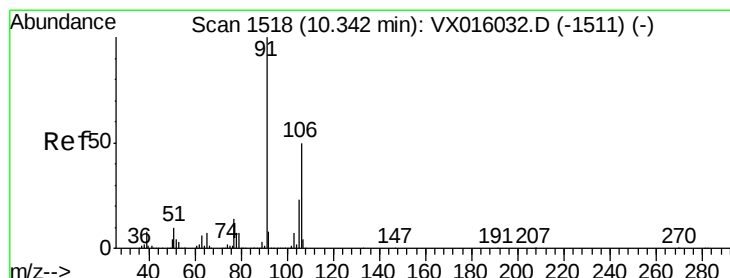
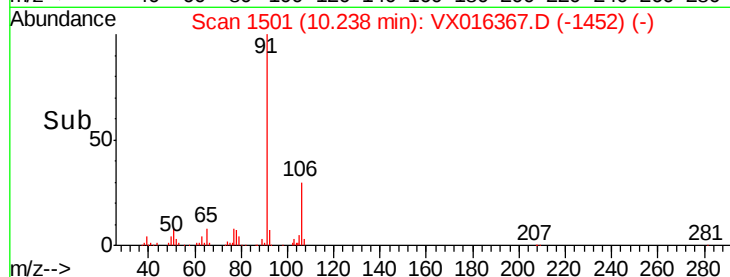
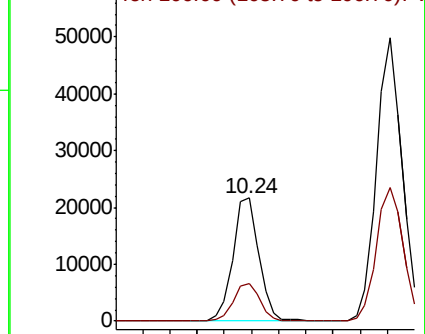
91 100

106 30.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016367.D

Ion 106.00 (105.70 to 106.70): VX016367.D



#68

m/p-Xylenes

Concen: 5.061 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016367.D

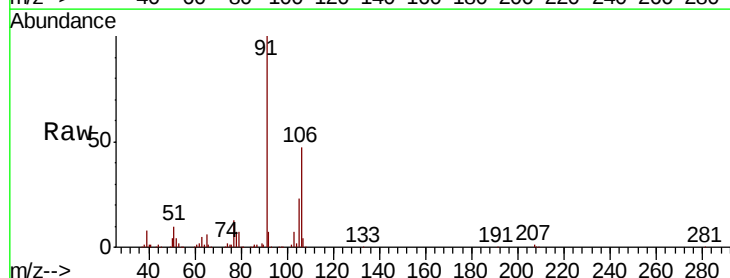
Acq: 20 May 2020 17:53

Tgt Ion: 106 Resp: 32337

Ion Ratio Lower Upper

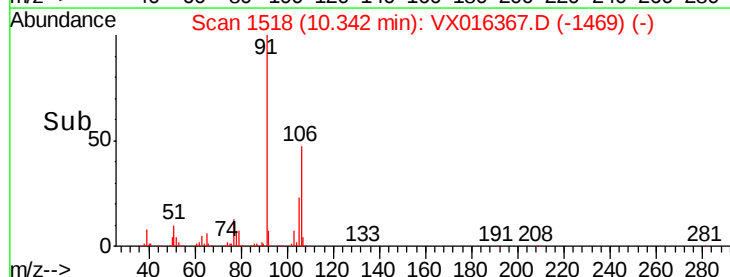
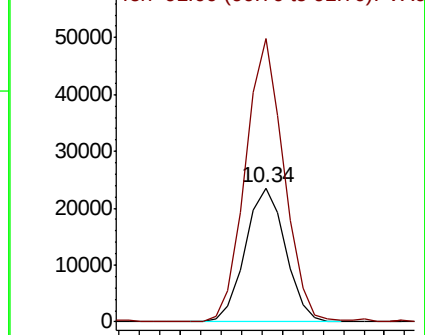
106 100

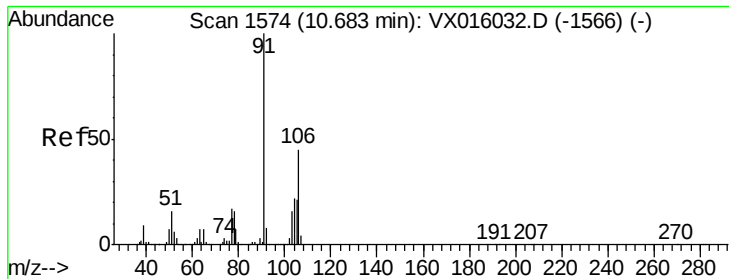
91 202.6 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VX016367.D

Ion 91.00 (90.70 to 91.70): VX016367.D

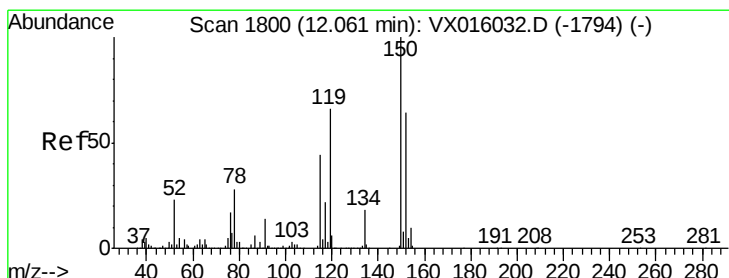
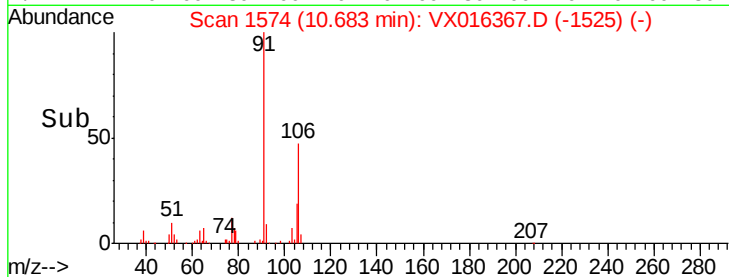
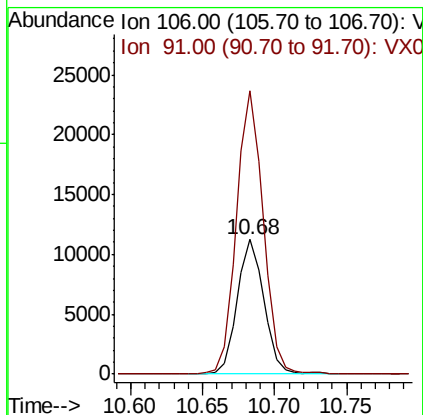
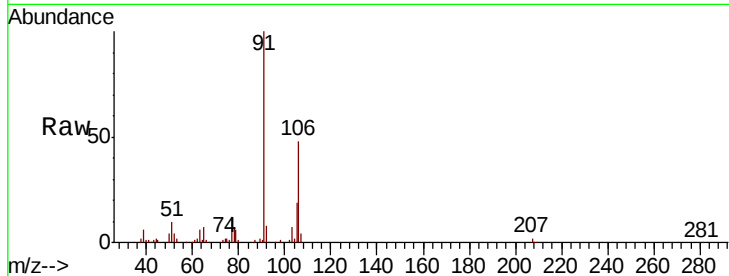




#69
o-Xylene
Concen: 2.368 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016367.D
Acq: 20 May 2020 17:53

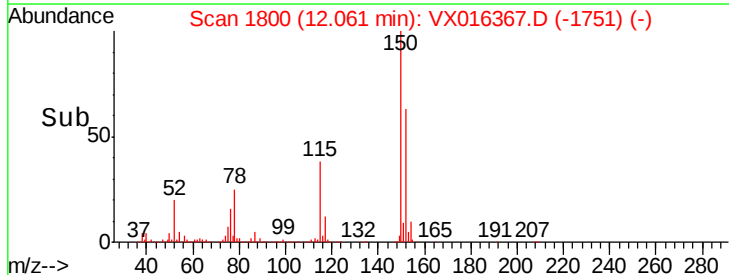
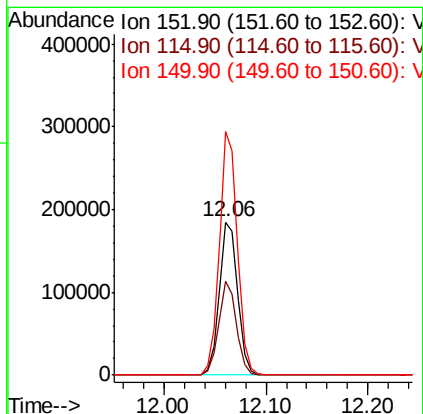
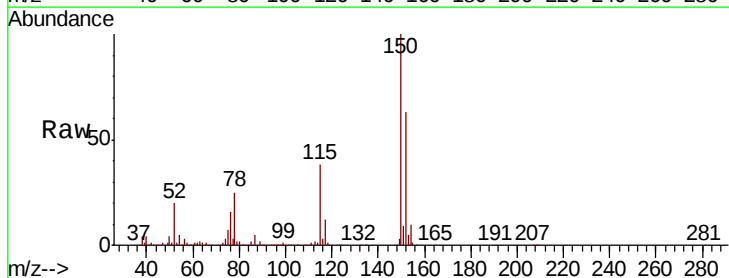
Instrument :
MSVOA_X
ClientSampled :

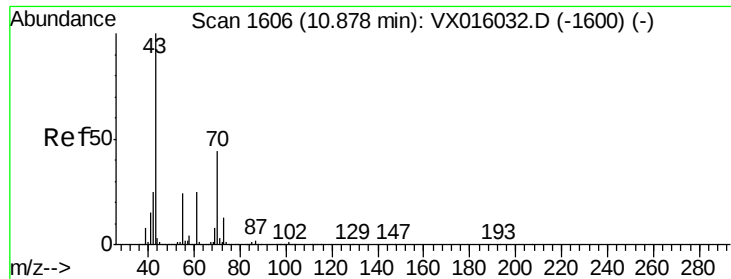
Tot Ion:106 Resp: 14546
Ion Ratio Lower Upper
106 100
91 211.9 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016367.D
Acq: 20 May 2020 17:53

Tgt Ion:152 Resp: 233367
Ion Ratio Lower Upper
152 100
115 59.4 41.3 124.1
150 156.0 0.0 352.2





#74

N-amvl acetate

Concen: 6.120 ug/l

RT: 11.03 min Scan# 1631

Delta R.T. 0.15 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 43 Resp: 48456

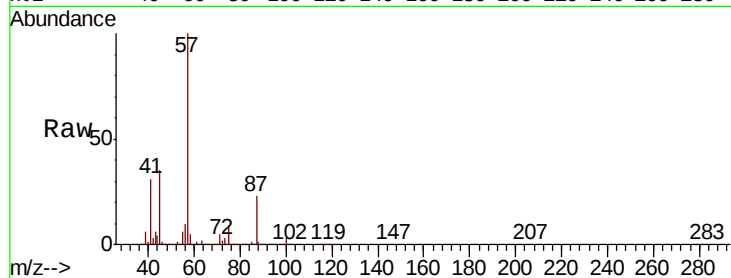
Ion Ratio Lower Upper

43 100

70 2.5 36.5 54.7#

55 96.6 19.7 29.5#

61 13.3 20.9 31.3#

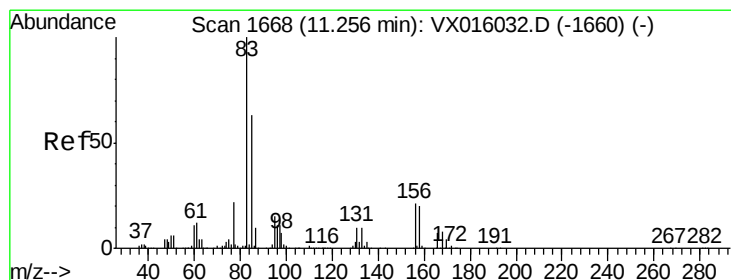
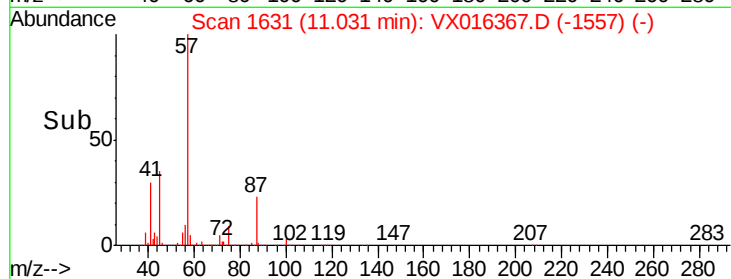
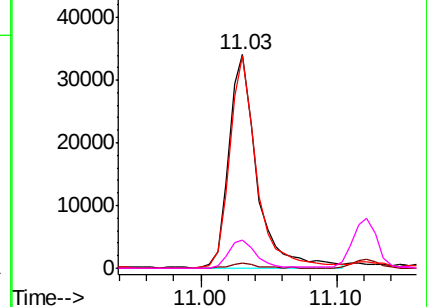


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.055 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.02 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

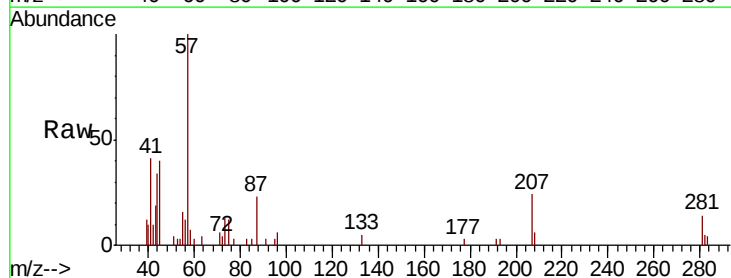
Tgt Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

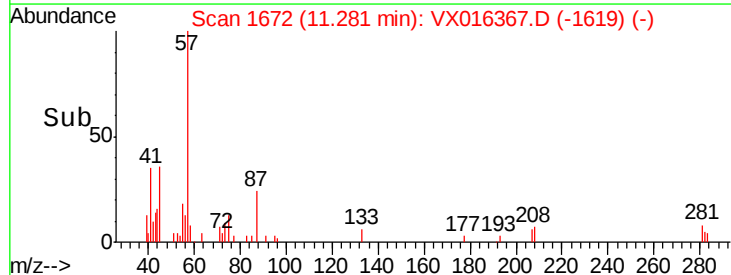
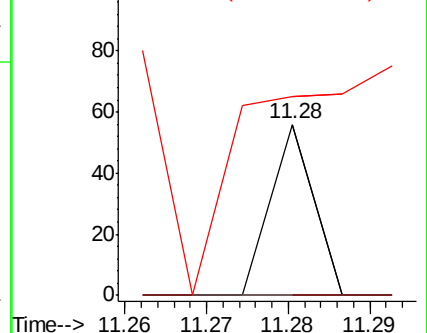
85 0.0 32.0 96.0#

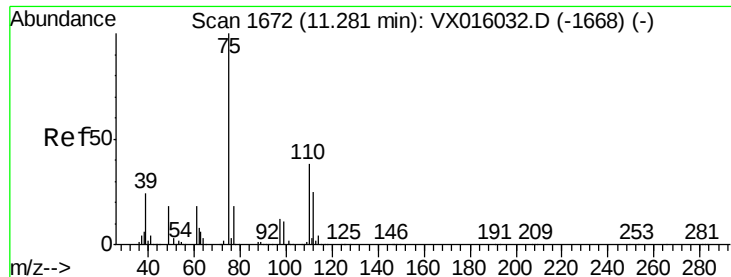


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.508 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

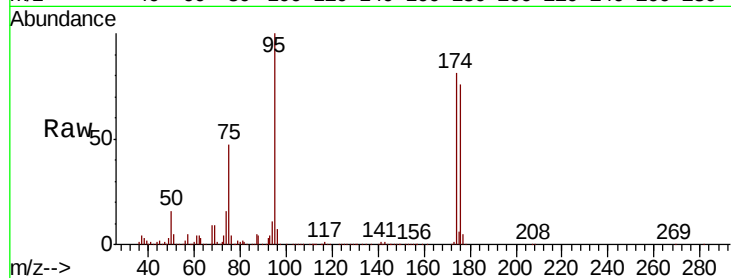
ClientSampled :

Tot Ion: 75 Resp: 113897

Ion Ratio Lower Upper

75 100

77 1.4 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

80000

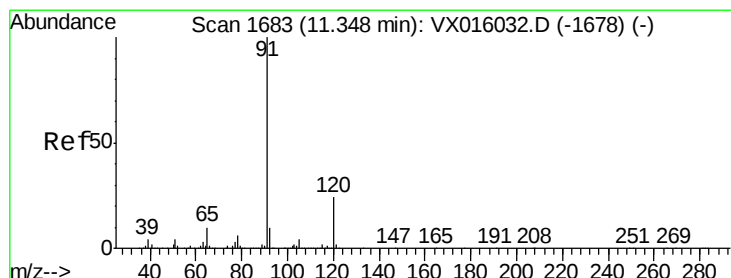
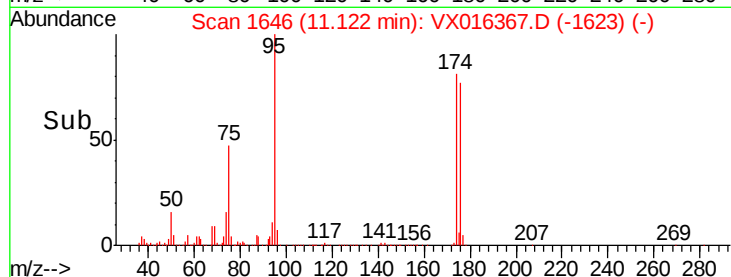
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 0.259 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016367.D

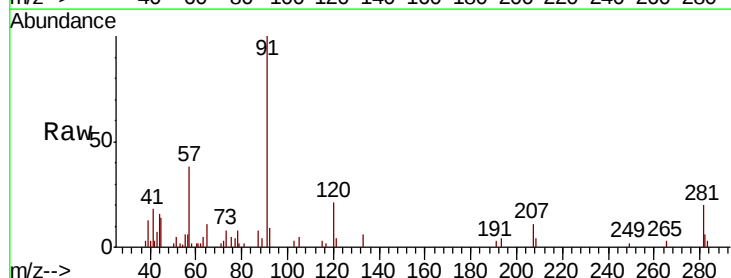
Acq: 20 May 2020 17:53

Tgt Ion: 91 Resp: 5114

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

4000

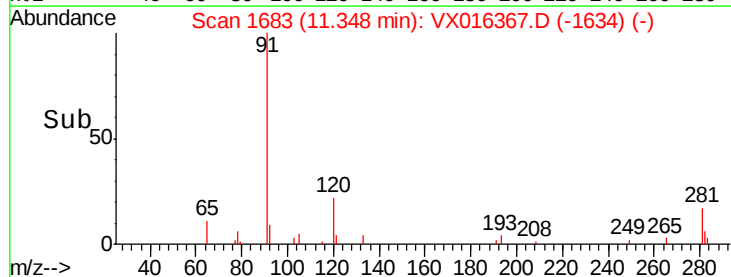
3000

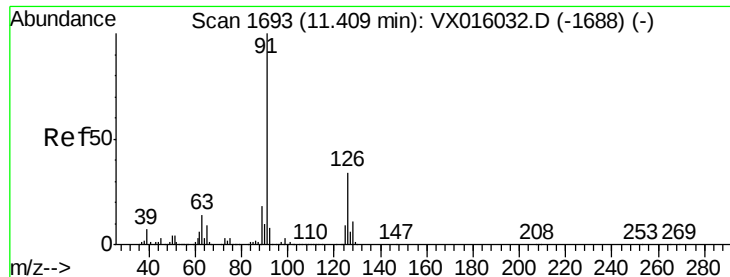
2000

1000

0

Time-->

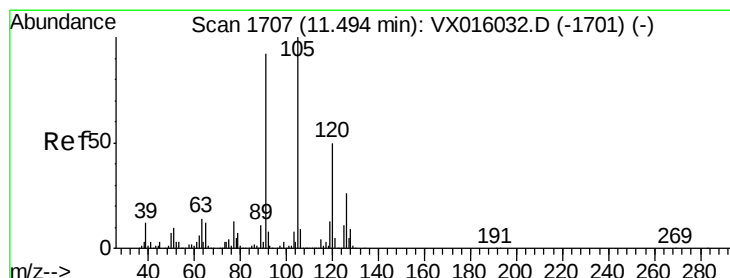
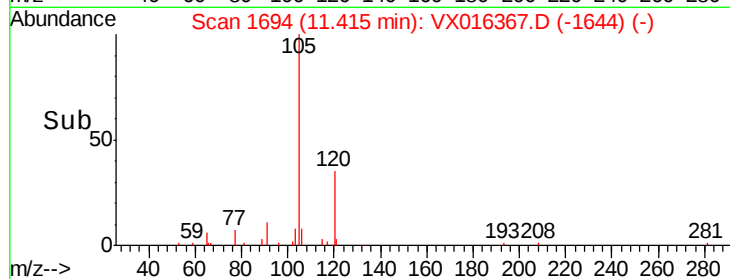
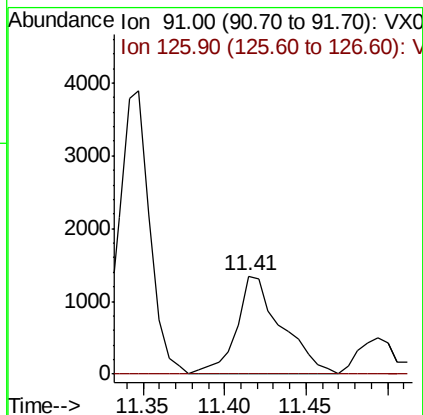
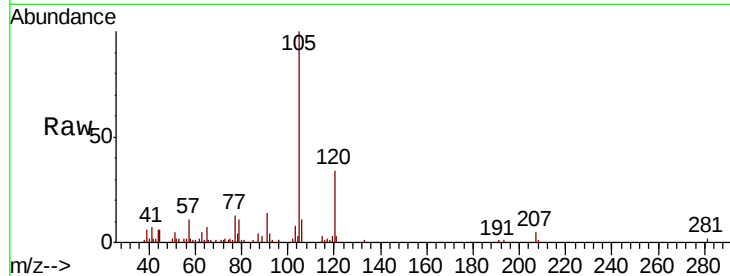




#79
 2-Chlorotoluene
 Concen: 0.223 ug/l
 RT: 11.41 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VX016367.D
 Acq: 20 May 2020 17:53

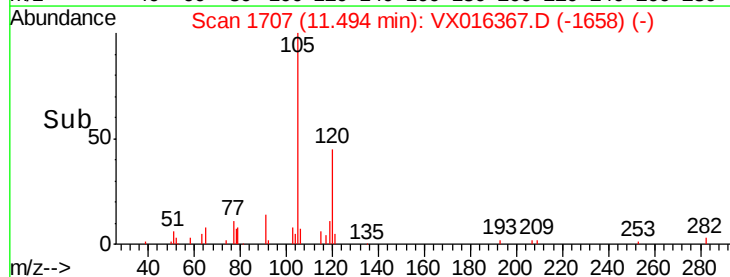
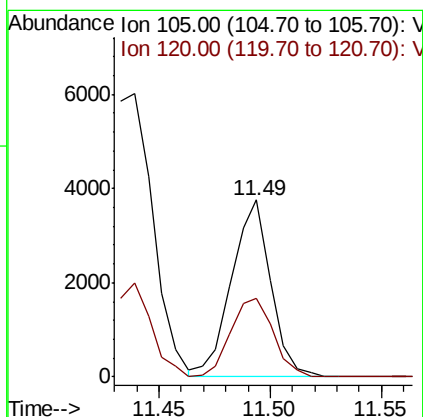
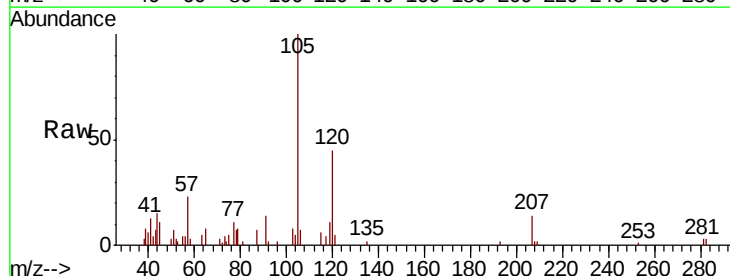
Instrument :
 MSVOA_X
 ClientSampleId :

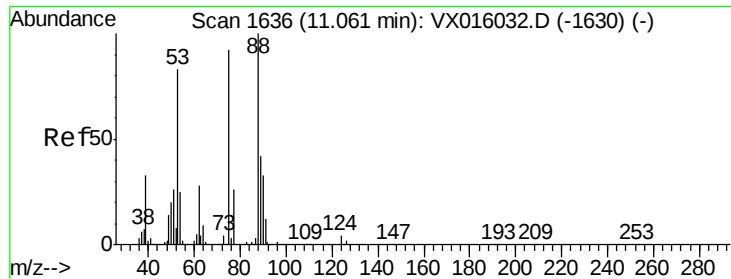
Tot Ion: 91 Resp: 2594
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.9 50.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.322 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016367.D
 Acq: 20 May 2020 17:53

Tgt Ion: 105 Resp: 4620
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 29.375 ug/l

RT: 11.03 min Scan# 1631

Delta R.T. -0.03 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

ClientSampled :

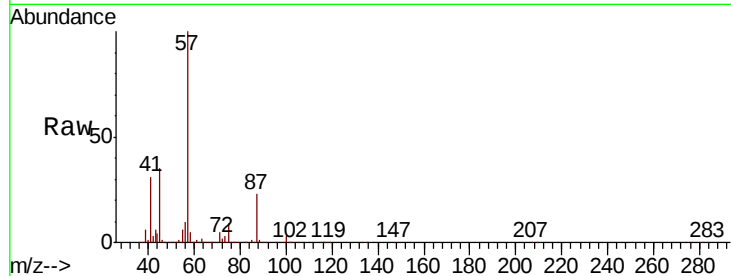
Tot Ion: 75 Resp: 65277

Ion Ratio Lower Upper

75 100

53 11.2 73.1 109.7#

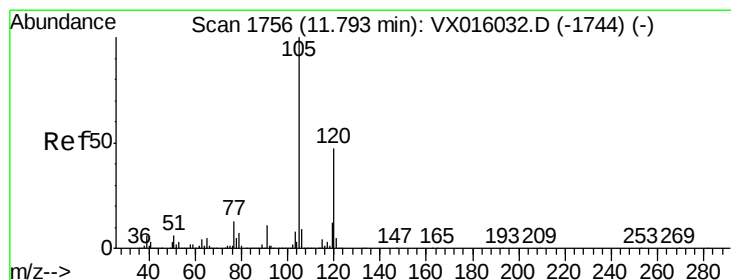
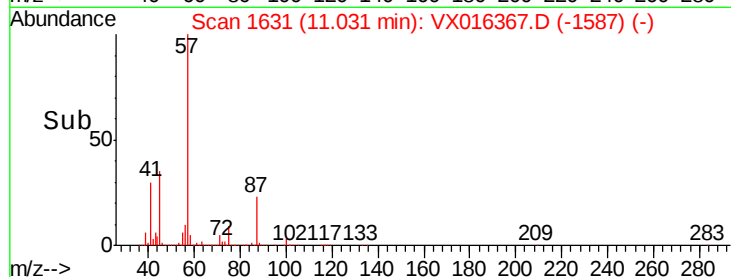
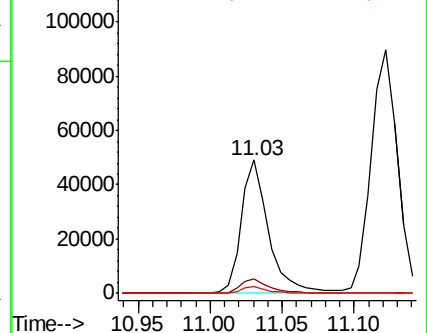
89 5.3 36.7 55.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.156 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016367.D

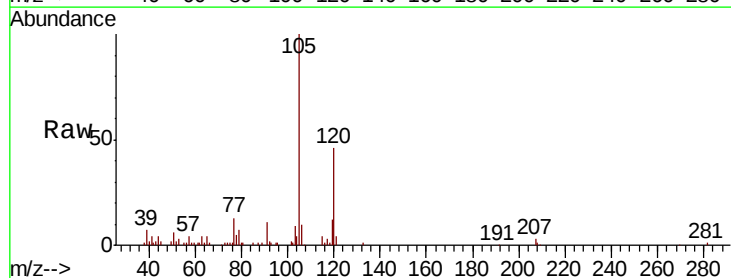
Acq: 20 May 2020 17:53

Tgt Ion: 105 Resp: 16747

Ion Ratio Lower Upper

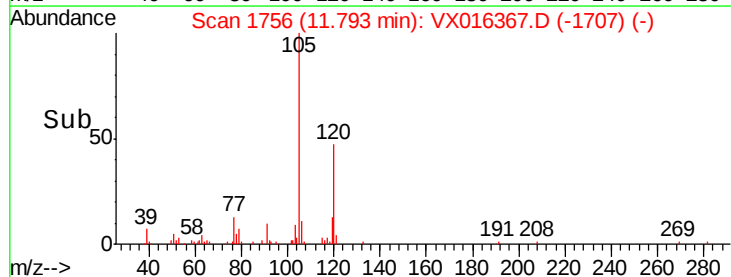
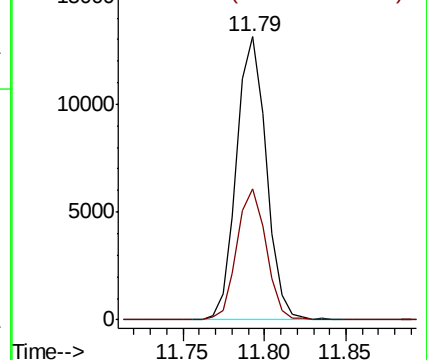
105 100

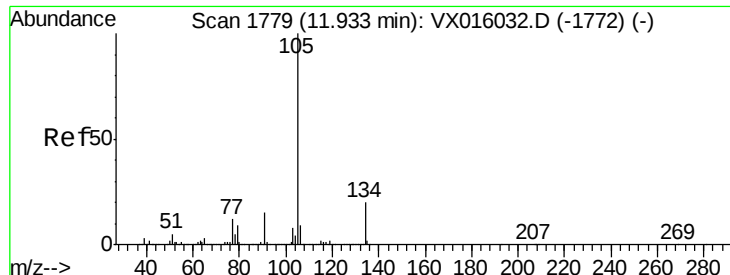
120 45.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.004 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.14 min

Lab File: VX016367.D

Acq: 20 May 2020 17:53

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:105 Resp: 16747

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#

