

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
 Data File : VX016355.D
 Acq On : 20 May 2020 13:12
 Operator : JC/SP
 Sample : L2684-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-051520

Quant Time: May 21 03:51:30 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	251756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	412728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	396889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196750	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	144228	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	
35) Dibromofluoromethane	5.46	113	116681	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	
50) Toluene-d8	8.70	98	505340	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.12	95	197274	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	

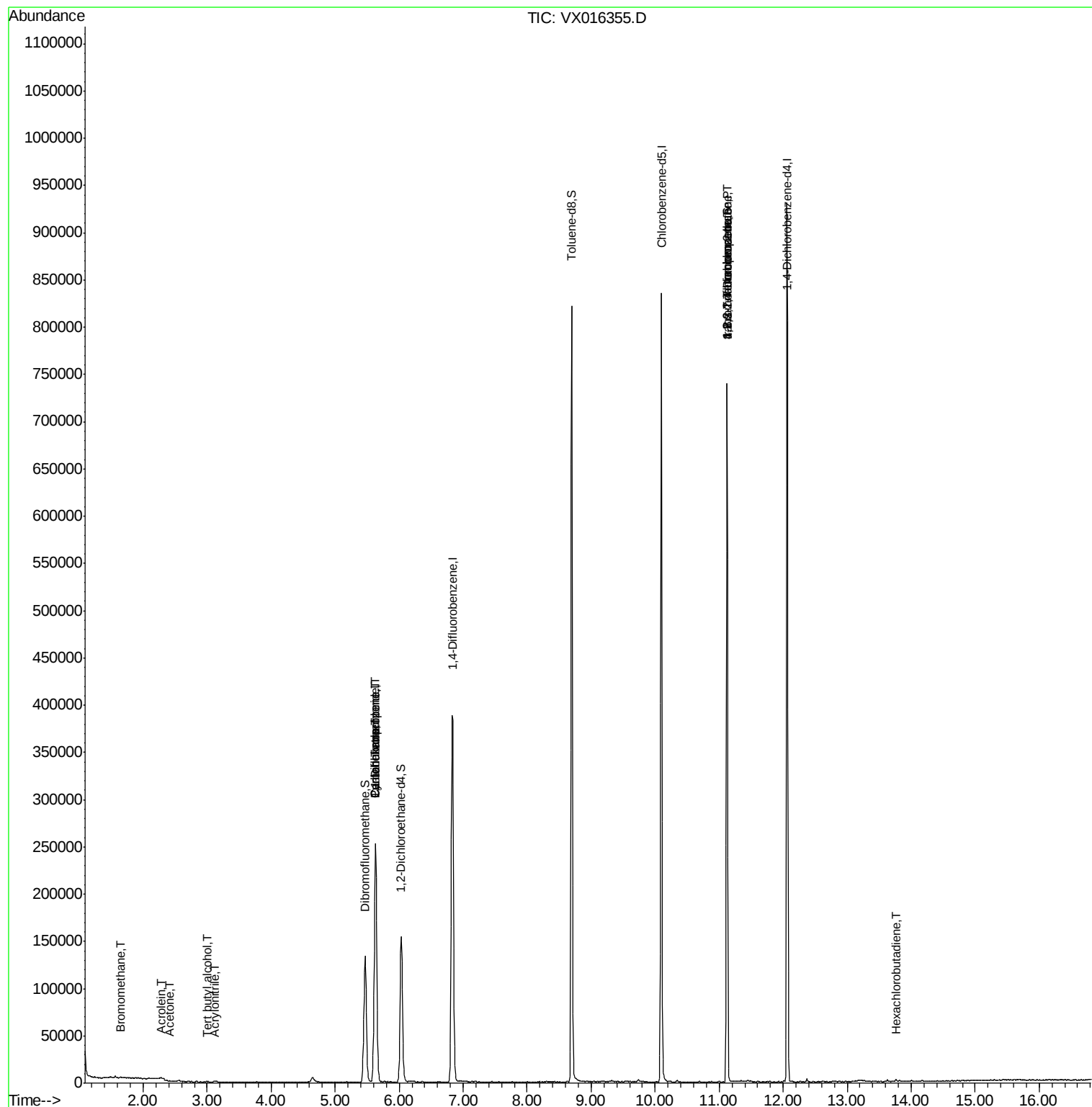
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	491	0.295	ug/l #	70
11) Tert butyl alcohol	3.00	59	195	0.233	ug/l #	69
13) Acrolein	2.27	56	458	0.874	ug/l #	49
15) Acrylonitrile	3.12	53	496	0.285	ug/l #	72
16) Acetone	2.41	43	444	0.300	ug/l #	43
17) Carbon Disulfide	2.56	76	1541	Below Cal	#	78
31) Cyclohexane	5.63	56	4574	0.994	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18197	4.479	ug/l #	49
38) Carbon Tetrachloride	5.64	117	23601	5.715	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	84	2.080	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	94033	21.061	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	94033	50.191	ug/l #	13
94) Hexachlorobutadiene	13.77	225	448	0.741	ug/l	90

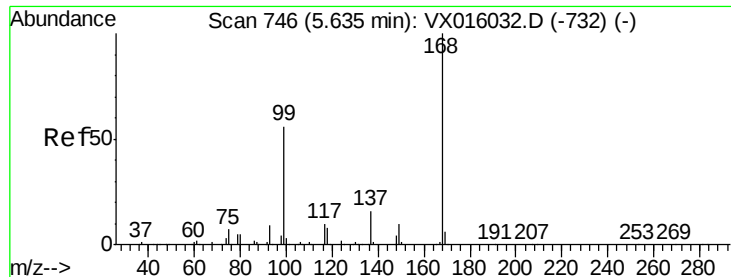
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX016355.D

Acq: 20 May 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

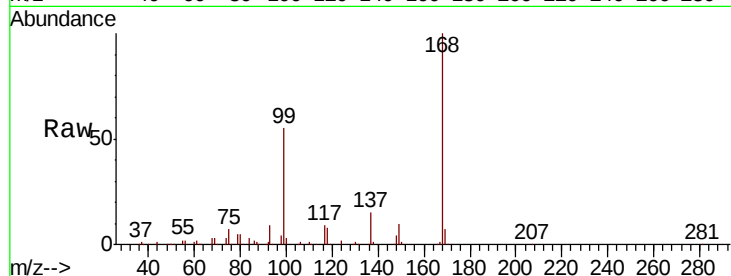
TB-051520

Tot Ion:168 Resp: 251756

Ion Ratio Lower Upper

168 100

99 54.9 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

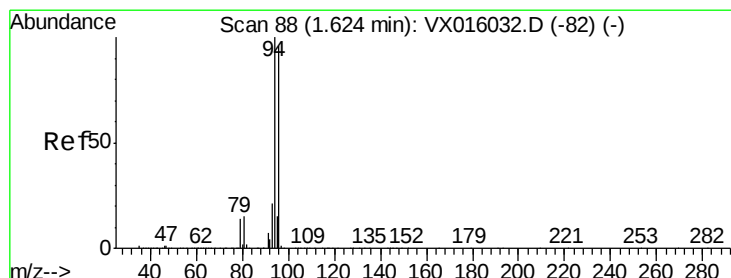
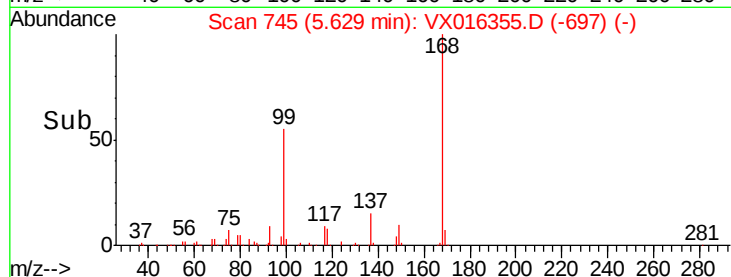
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016355.D

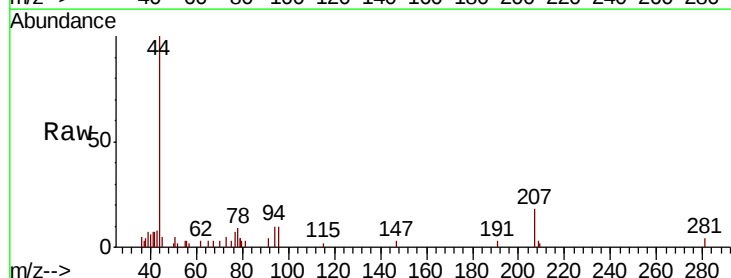
Acq: 20 May 2020 13:12

Tgt Ion: 94 Resp: 491

Ion Ratio Lower Upper

94 100

96 66.7 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

250

200

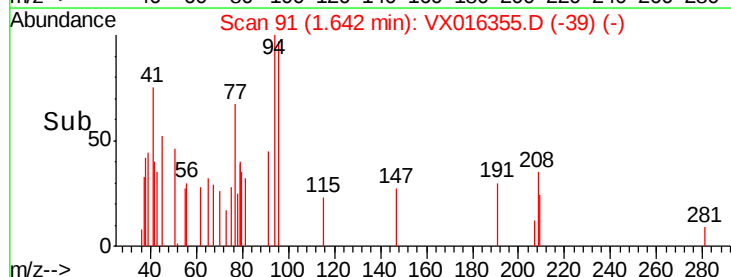
150

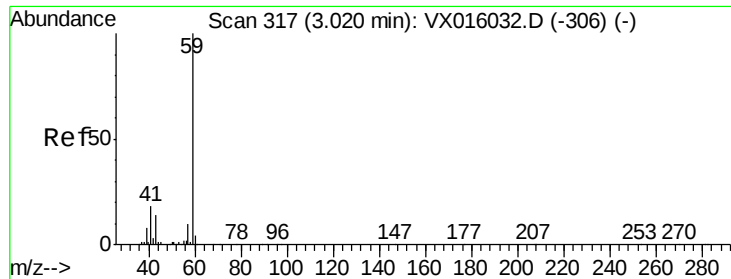
100

50

0

Time-->

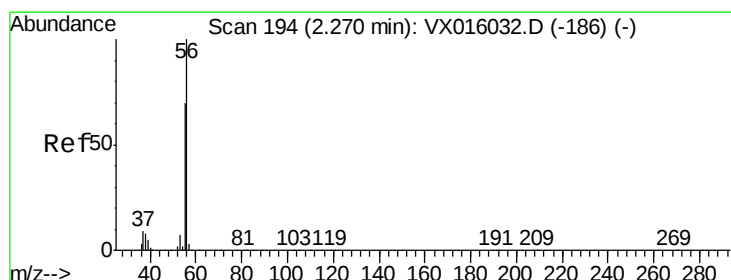
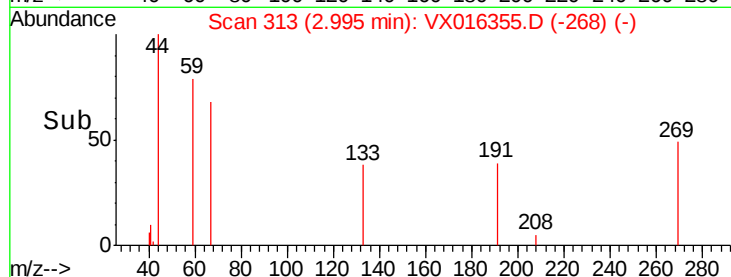
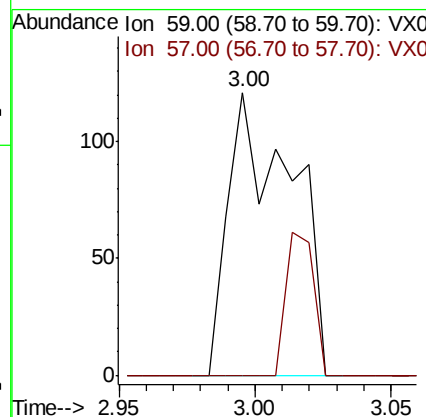
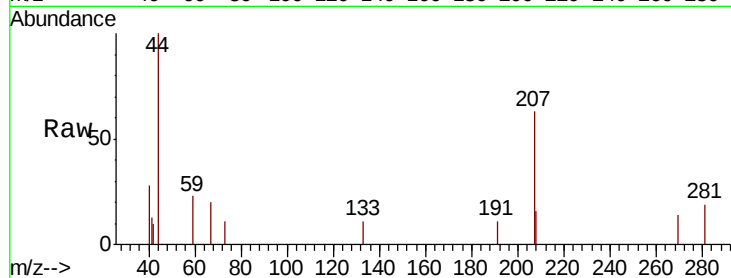




#11
Tert butyl alcohol
Concen: 0.233 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX016355.D
Acq: 20 May 2020 13:12

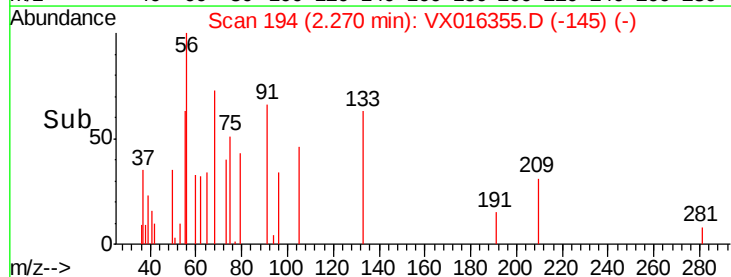
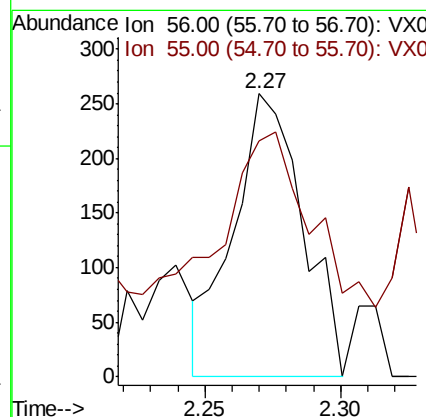
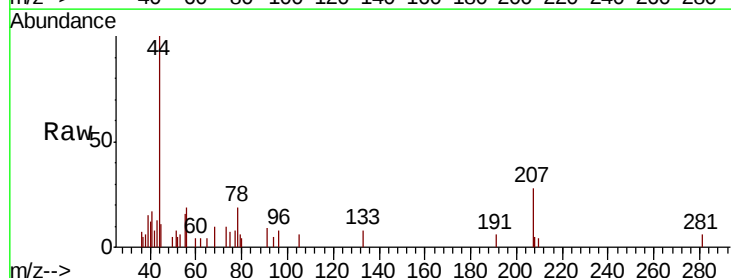
Instrument :
MSVOA_X
ClientSampled :
TB-051520

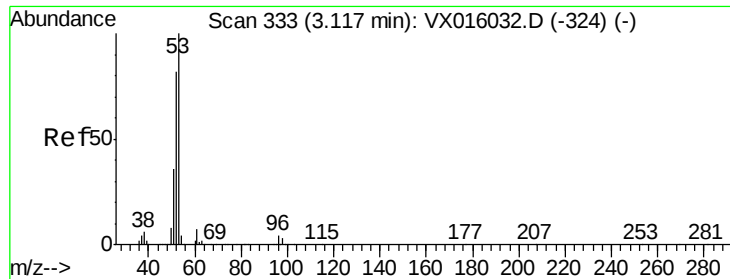
Tot Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 22.1 8.2 12.4#



#13
Acrolein
Concen: 0.874 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016355.D
Acq: 20 May 2020 13:12

Tgt Ion: 56 Resp: 458
Ion Ratio Lower Upper
56 100
55 112.4 56.5 84.7#





#15

Acrylonitrile

Concen: 0.285 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-051520

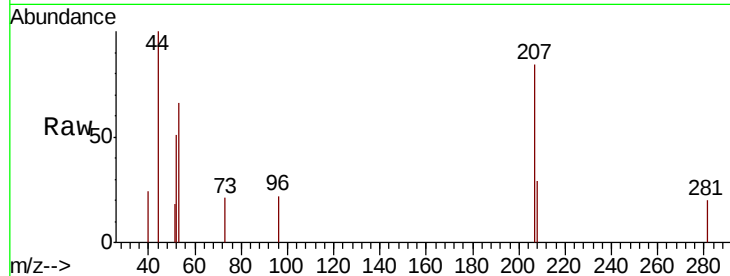
Tot Ion: 53 Resp: 496

Ion Ratio Lower Upper

53 100

52 61.3 66.1 99.1#

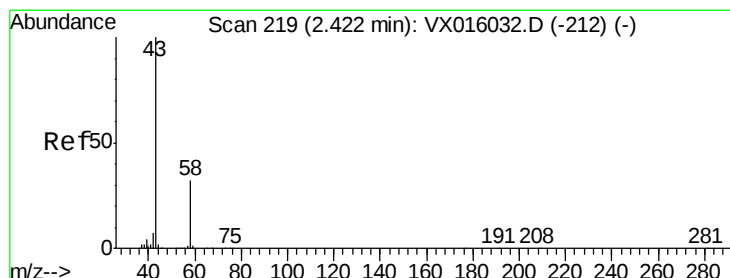
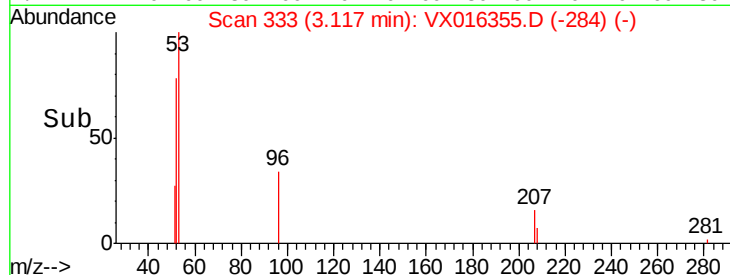
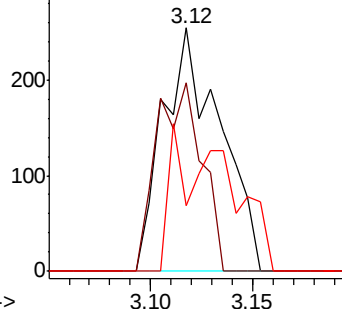
51 58.1 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.300 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016355.D

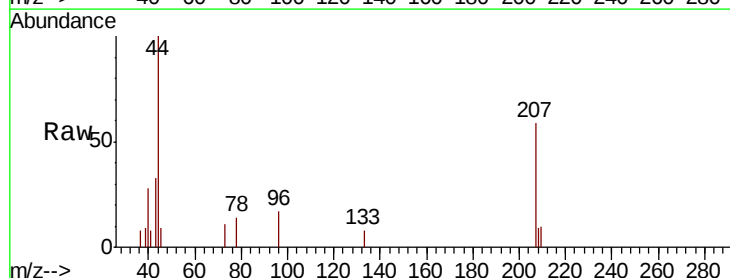
Acq: 20 May 2020 13:12

Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

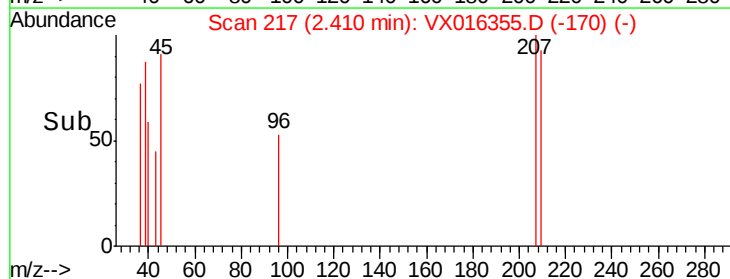
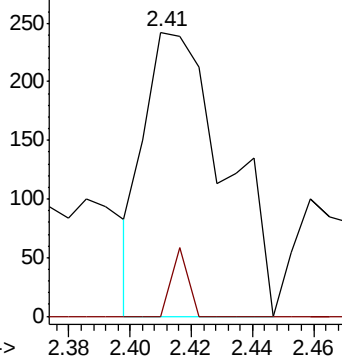
43 100

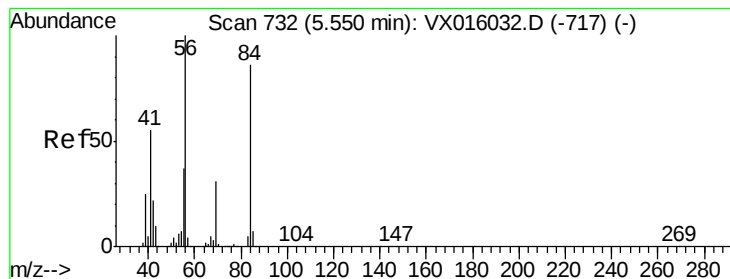
58 0.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 0.994 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-051520

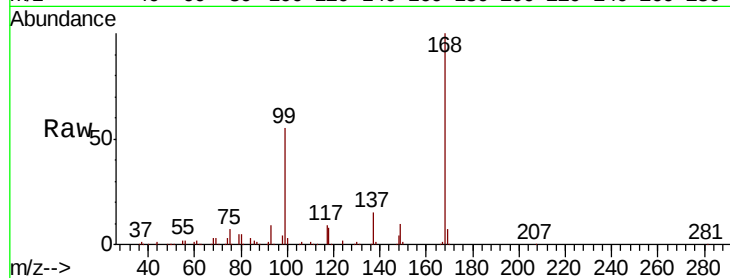
Tot Ion: 56 Resp: 4574

Ion Ratio Lower Upper

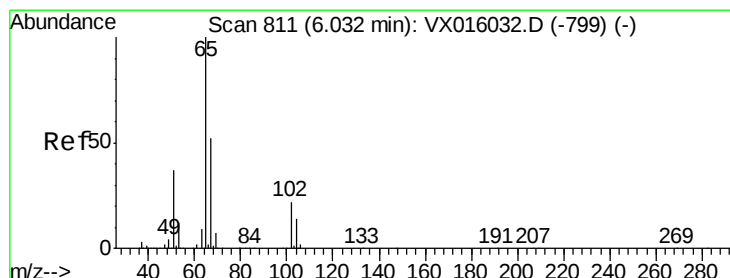
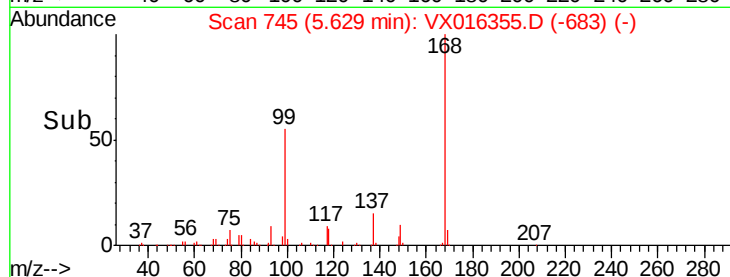
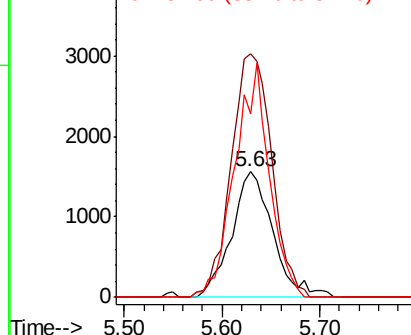
56 100

69 193.9 25.0 37.6#

84 146.0 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.536 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016355.D

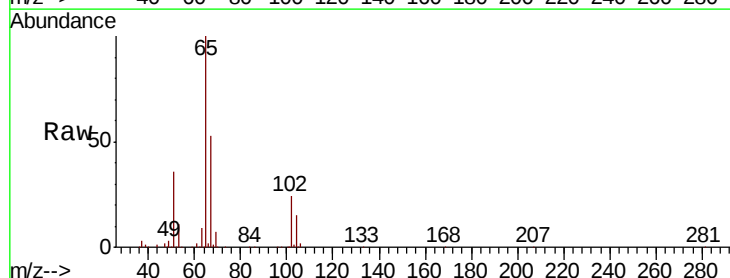
Acq: 20 May 2020 13:12

Tgt Ion: 65 Resp: 144228

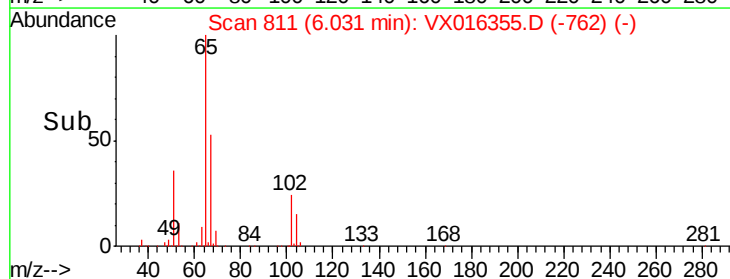
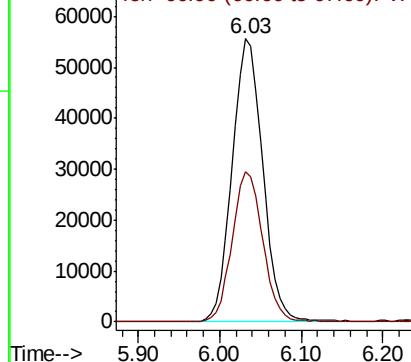
Ion Ratio Lower Upper

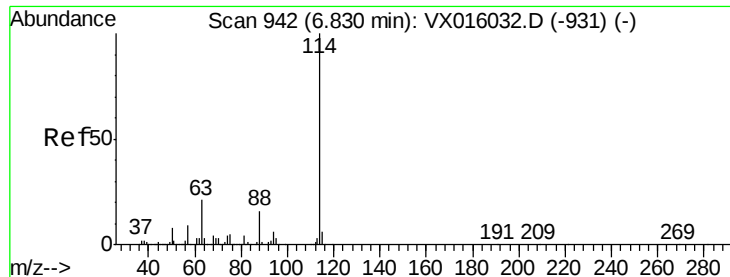
65 100

67 52.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-051520

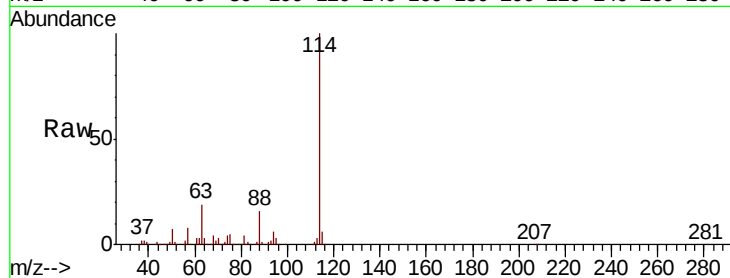
Tot Ion:114 Resp: 412728

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.8

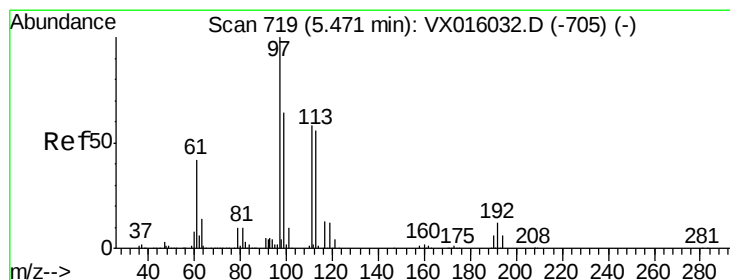
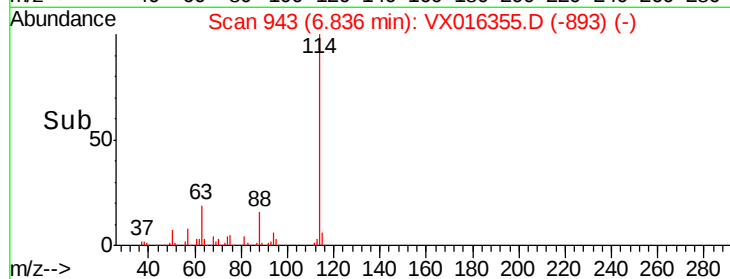
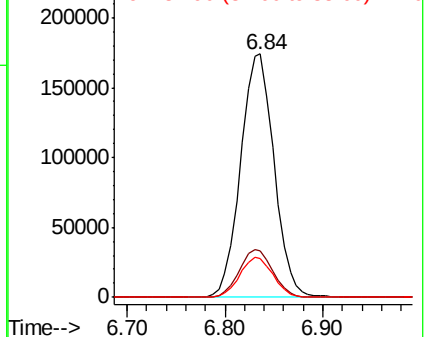
88 16.0 0.0 31.4



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: 44.623 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

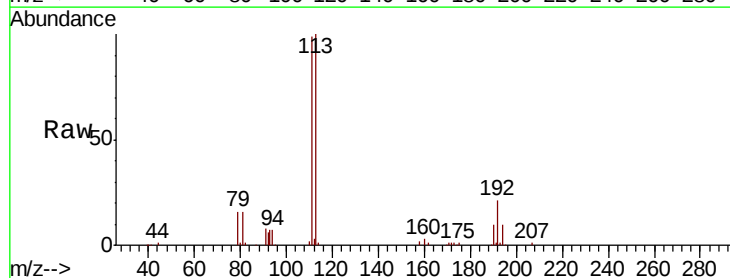
Tgt Ion:113 Resp: 116681

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

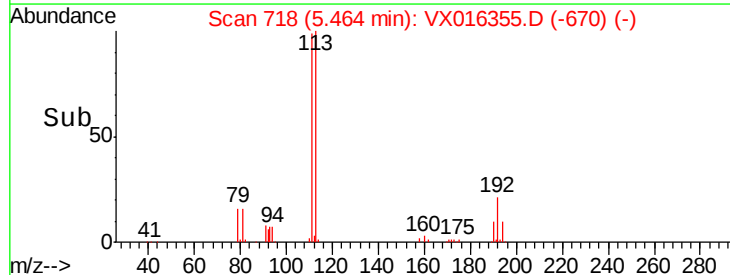
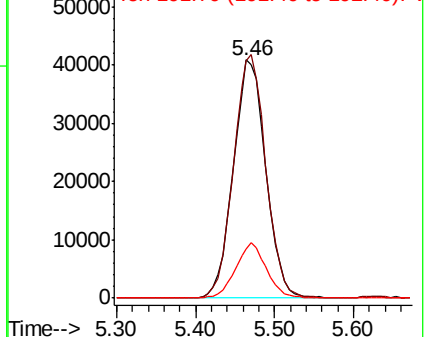
192 21.9 17.0 25.4

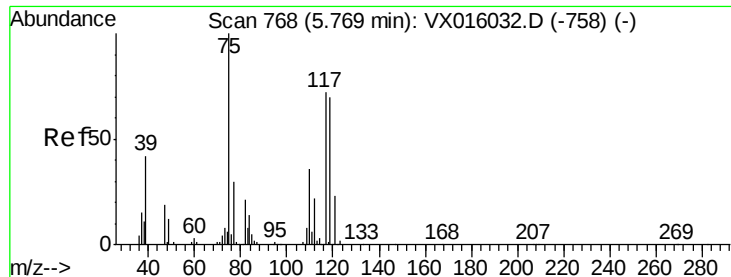


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.479 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

Instrument :

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TB-051520

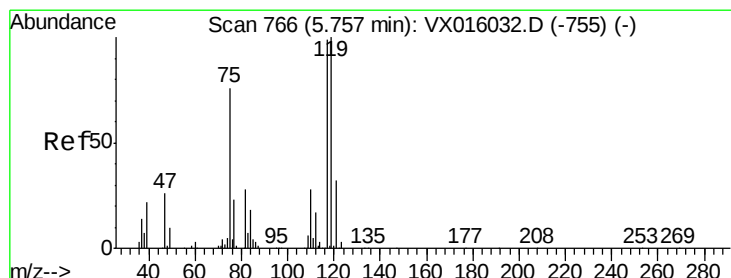
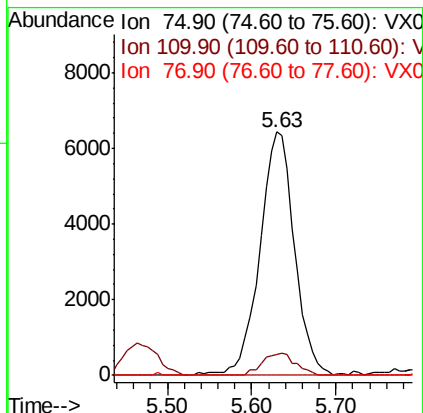
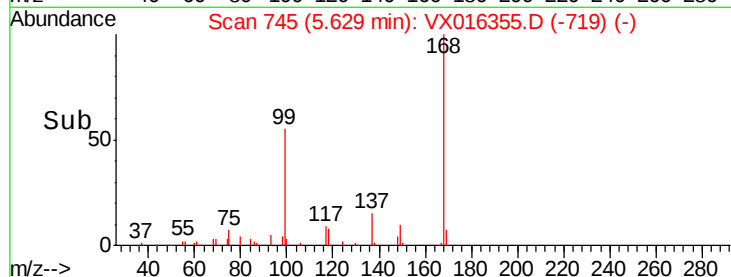
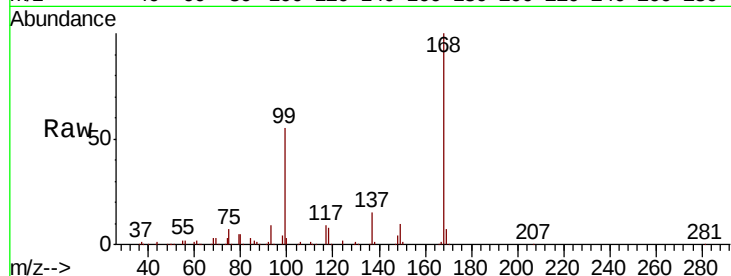
Tot Ion: 75 Resp: 18197

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.1#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

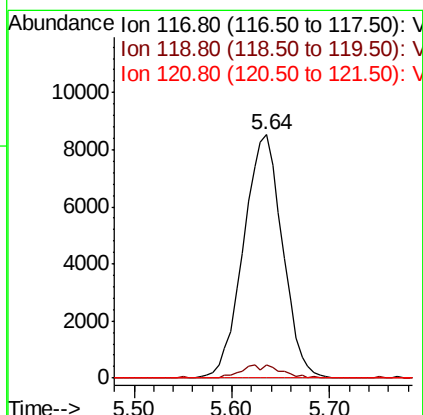
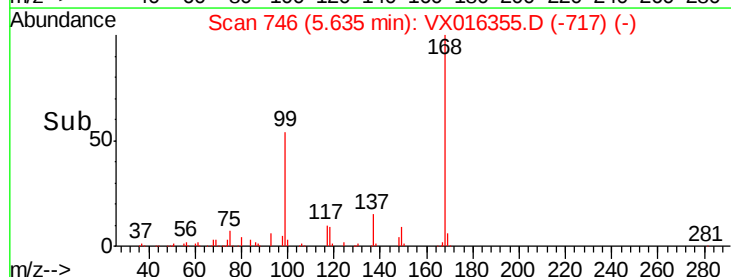
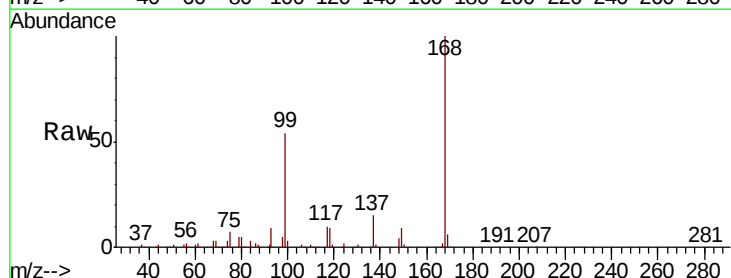
Tgt Ion: 117 Resp: 23601

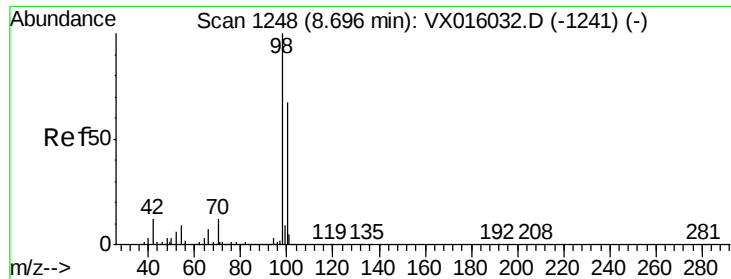
Ion Ratio Lower Upper

117 100

119 5.6 80.3 120.5#

121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 50.158 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

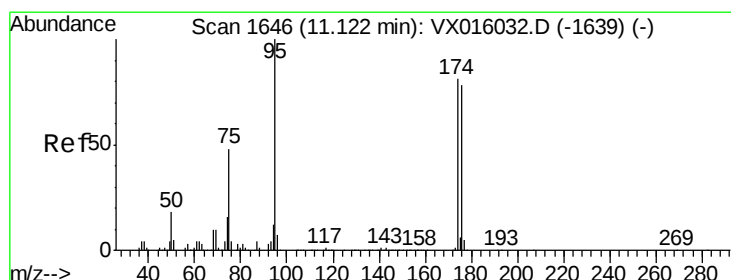
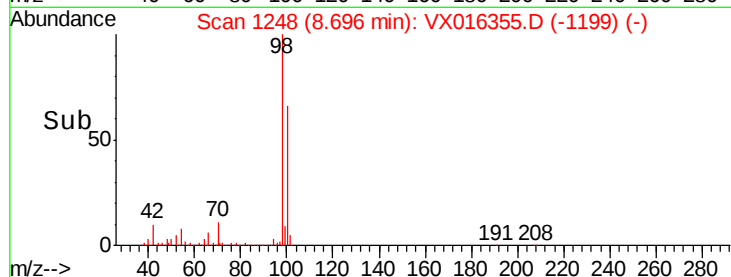
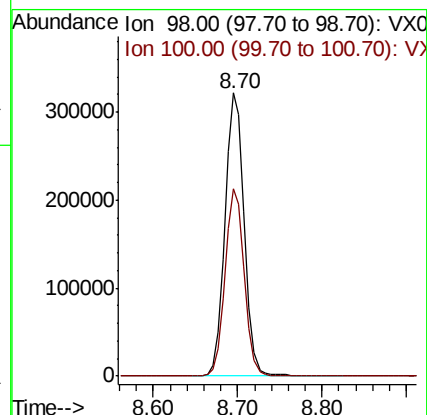
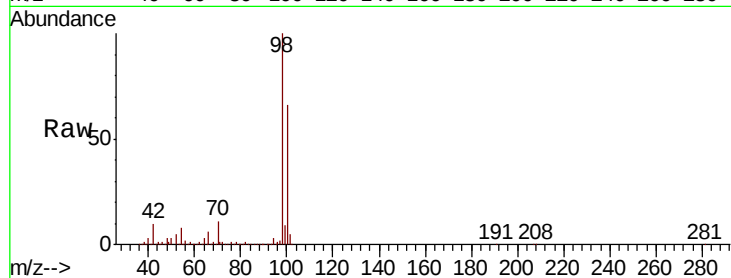
TB-051520

Tot Ion: 98 Resp: 505340

Ion Ratio Lower Upper

98 100

100 66.3 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 51.480 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

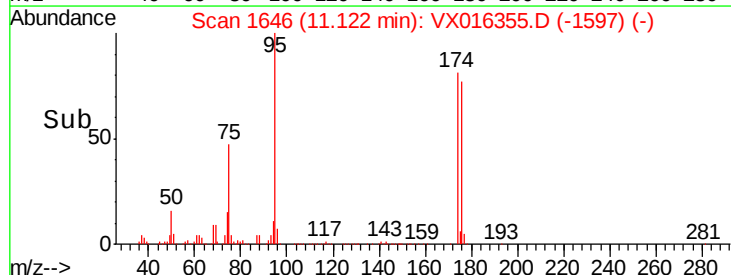
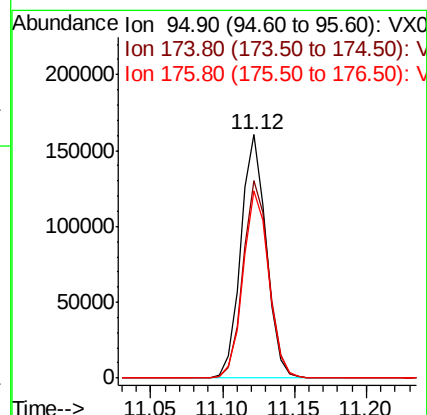
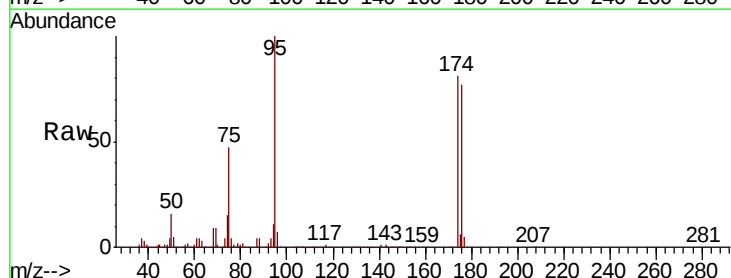
Tgt Ion: 95 Resp: 197274

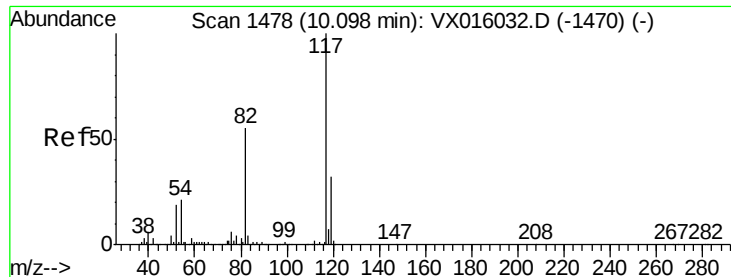
Ion Ratio Lower Upper

95 100

174 81.8 0.0 159.4

176 77.8 0.0 157.6

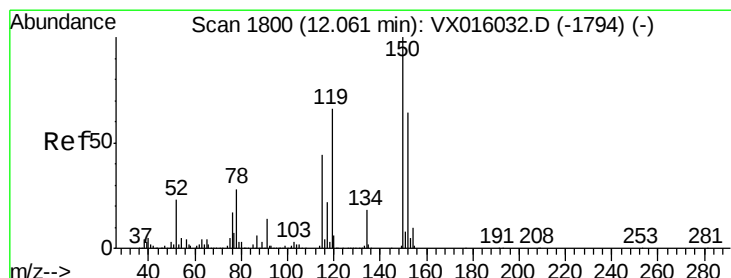
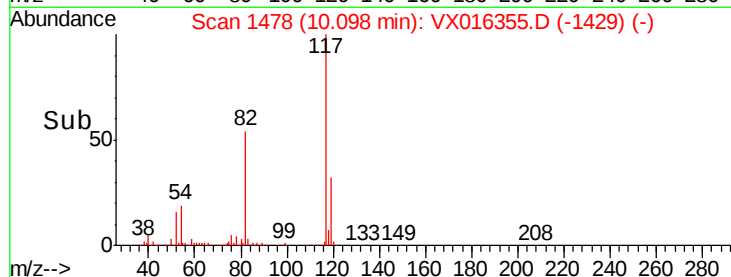
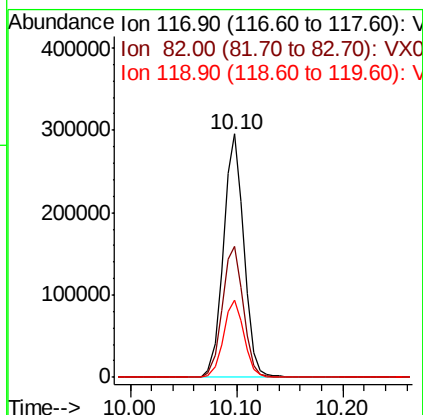
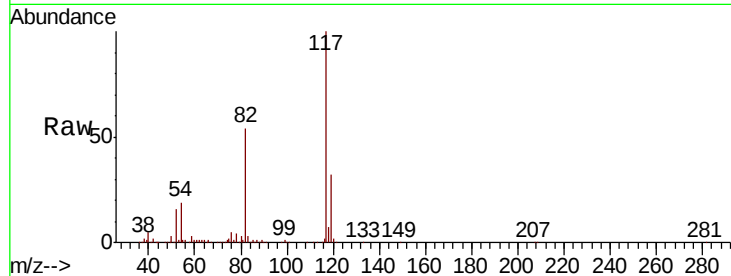




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016355.D
Acq: 20 May 2020 13:12

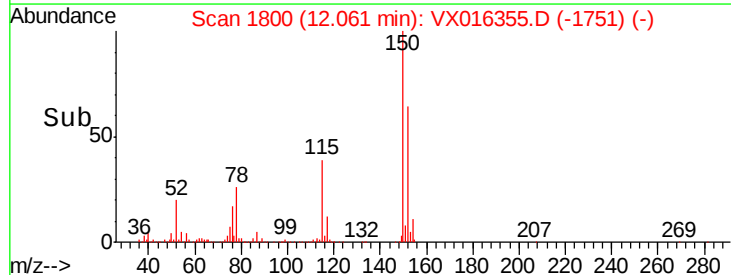
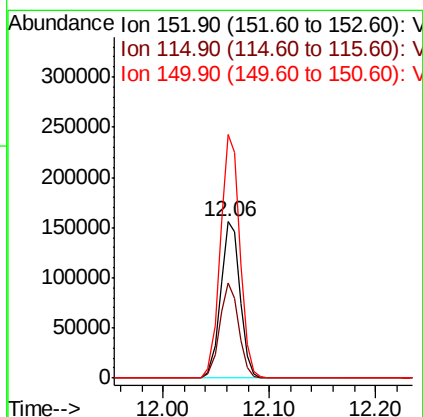
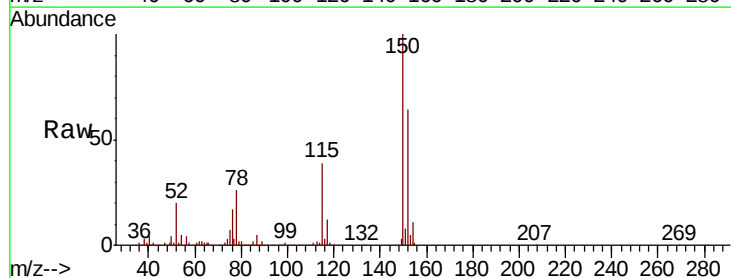
Instrument :
MSVOA_X
ClientSampleId :
TB-051520

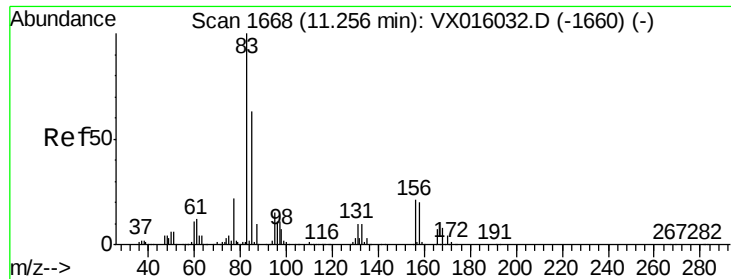
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	44.4	66.6
119	31.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016355.D
Acq: 20 May 2020 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	41.3	124.1
150	156.7	0.0	352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.080 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016355.D

Acq: 20 May 2020 13:12

Instrument :

MSVOA_X

ClientSampleId :

TB-051520

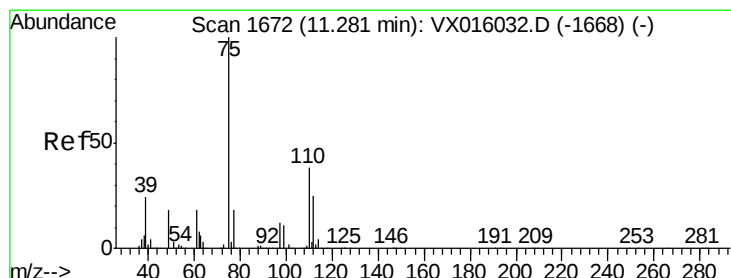
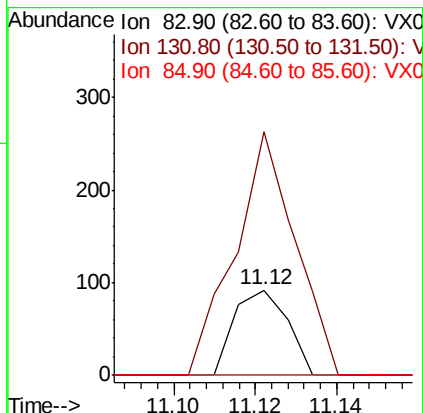
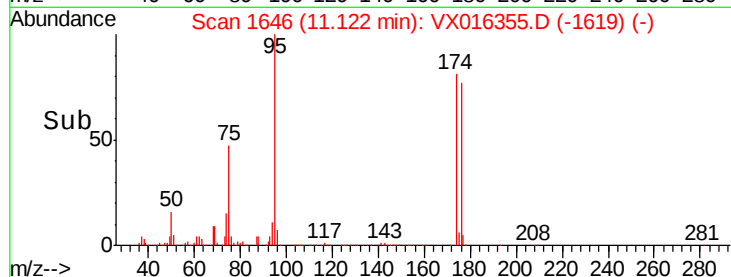
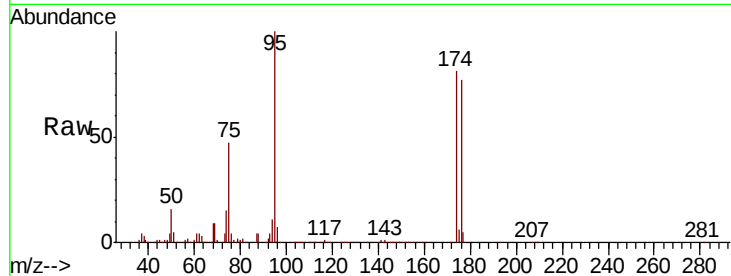
Tot Ion: 83 Resp: 84

Ion Ratio Lower Upper

83 100

131 322.6 5.1 15.4#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 21.061 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016355.D

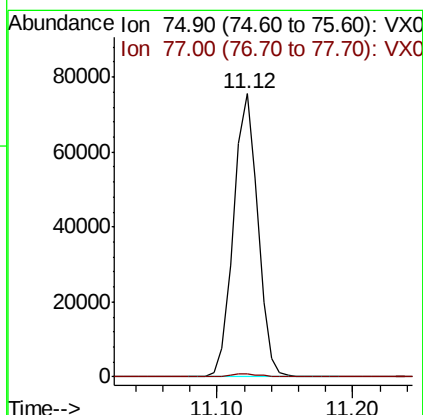
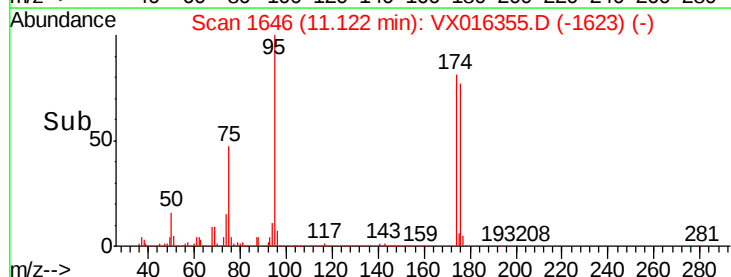
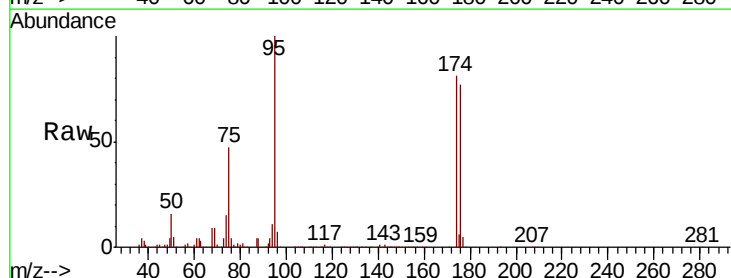
Acq: 20 May 2020 13:12

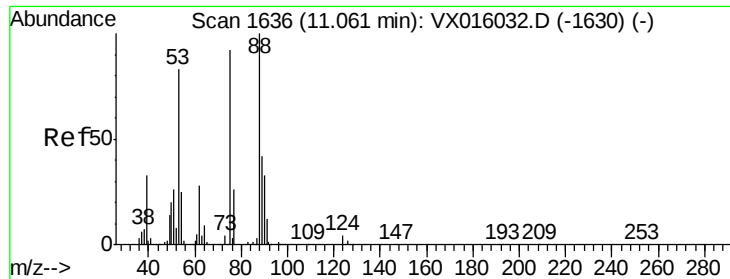
Tgt Ion: 75 Resp: 94033

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#

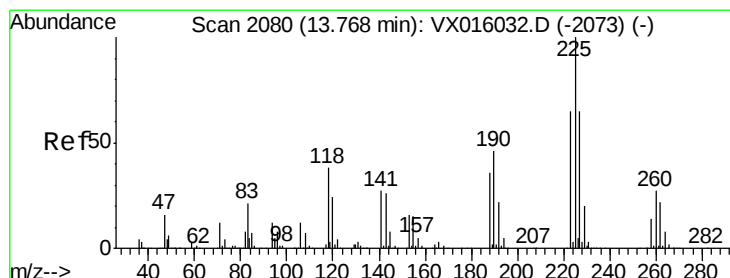
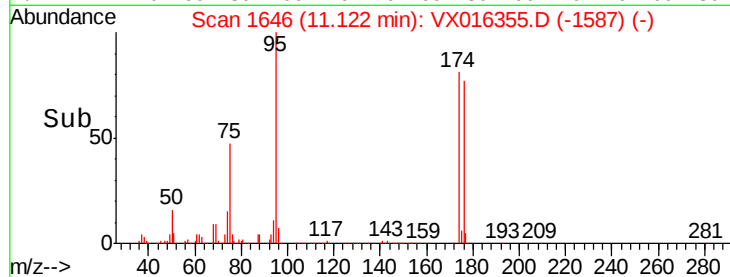
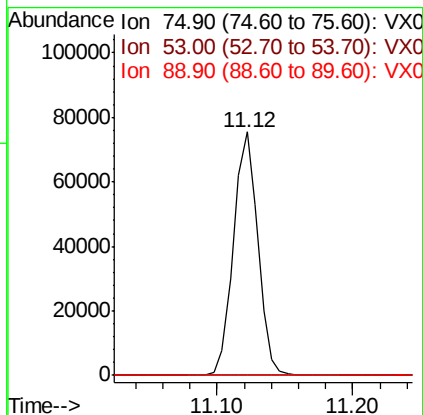
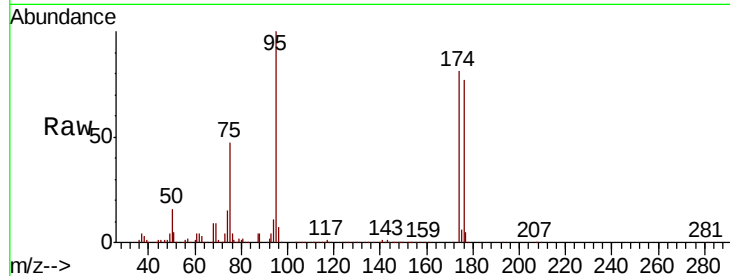




#81
trans-1,4-Dichloro-2-butene
Concen: 50.191 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016355.D
Acq: 20 May 2020 13:12

Instrument :
MSVOA_X
ClientSampleId :
TB-051520

Tot Ion: 75 Resp: 94033
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.741 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016355.D
Acq: 20 May 2020 13:12

Tgt Ion: 225 Resp: 448
Ion Ratio Lower Upper
225 100
223 78.8 32.3 96.9
227 65.0 31.8 95.4

