

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
 Data File : VX016060.D
 Acq On : 05 May 2020 13:49
 Operator : JC/SP
 Sample : L2508-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 06 05:01:29 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	5.64	168	302598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	495725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249902	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	185861	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	
35) Dibromofluoromethane	5.47	113	144924	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
50) Toluene-d8	8.70	98	605582	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.12	95	240747	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	

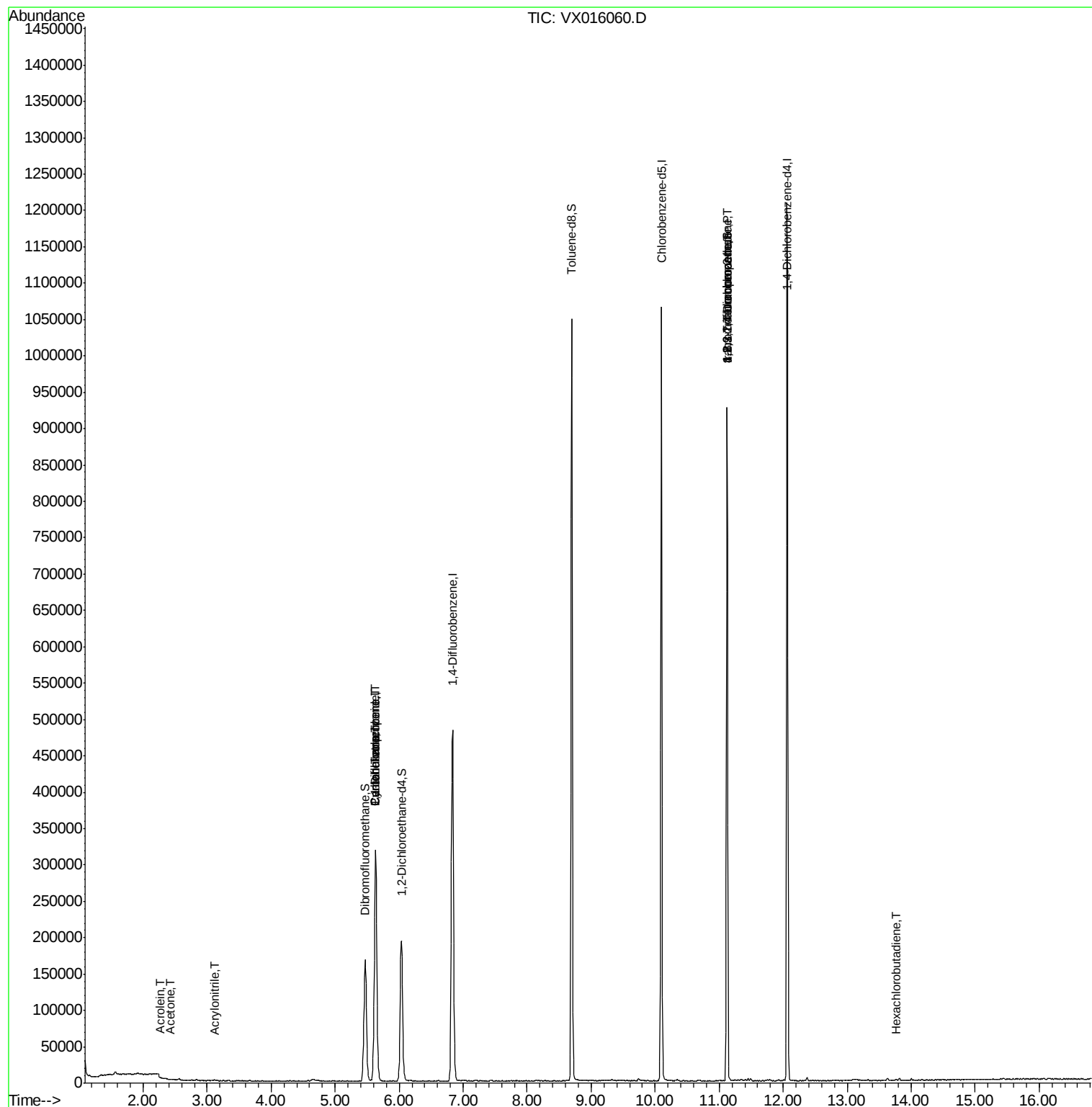
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.27	56	239	0.379	ug/l #	79
15) Acrylonitrile	3.11	53	683	0.327	ug/l #	81
16) Acetone	2.42	43	552	0.311	ug/l	89
31) Cyclohexane	5.63	56	5877	1.062	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22095	4.528	ug/l #	50
38) Carbon Tetrachloride	5.64	117	29343	5.916	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.12	83	166	4.850	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	122627	21.624	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	122627	51.532	ug/l #	13
94) Hexachlorobutadiene	13.77	225	289	0.634	ug/l	98

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

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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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

Instrument :

MSVOA_X

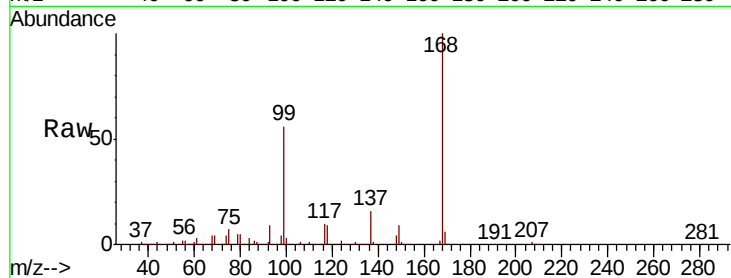
ClientSampleId :

Tot Ion:168 Resp: 302598

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

5.64

120000

100000

80000

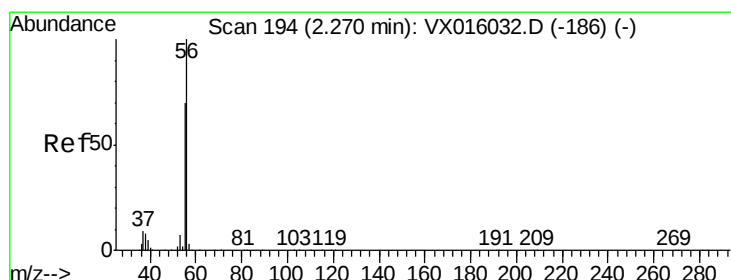
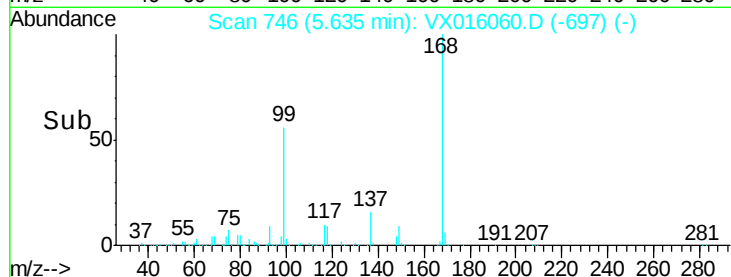
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.379 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016060.D

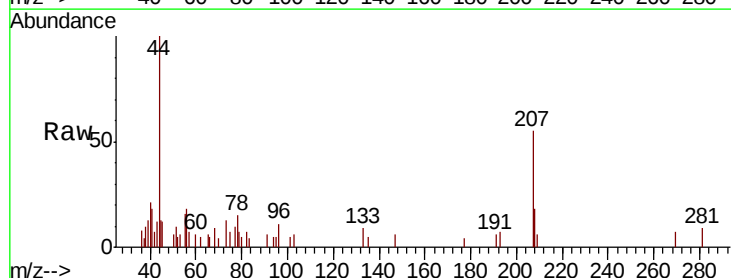
Acq: 05 May 2020 13:49

Tgt Ion: 56 Resp: 239

Ion Ratio Lower Upper

56 100

55 88.3 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

300

250

200

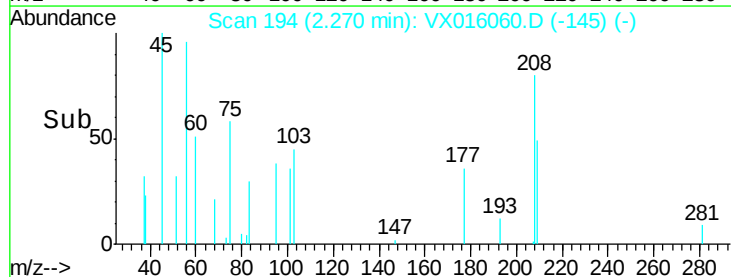
150

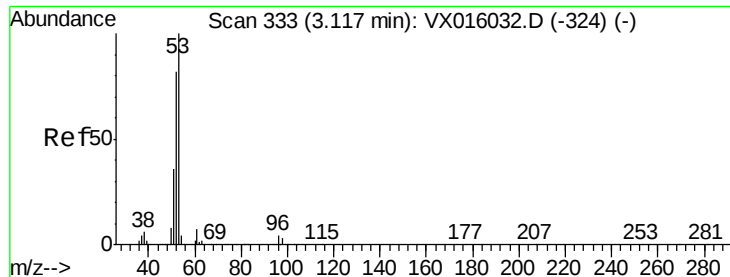
100

50

0

Time-->





#15

Acrylonitrile

Concen: 0.327 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

Instrument :

MSVOA_X

ClientSampled :

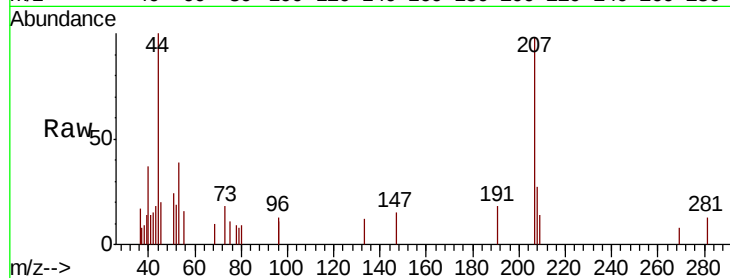
Tot Ion: 53 Resp: 683

Ion Ratio Lower Upper

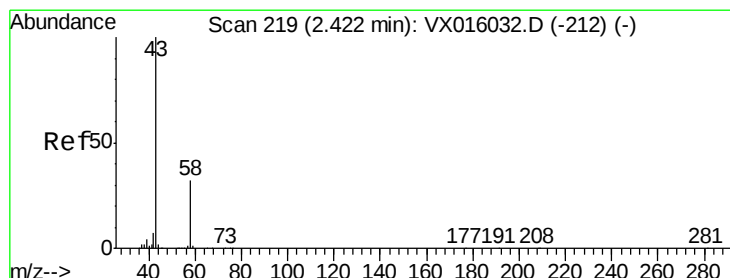
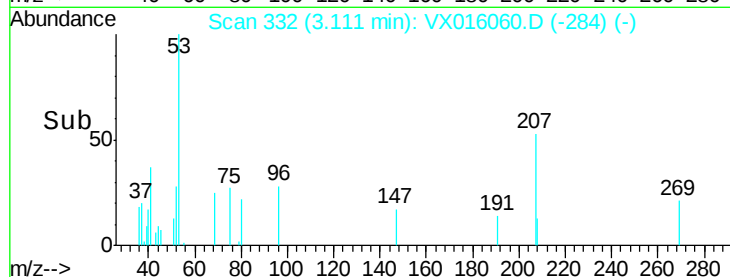
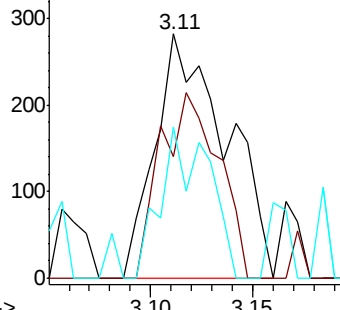
53 100

52 62.2 66.1 99.1#

51 42.0 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: 0.311 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016060.D

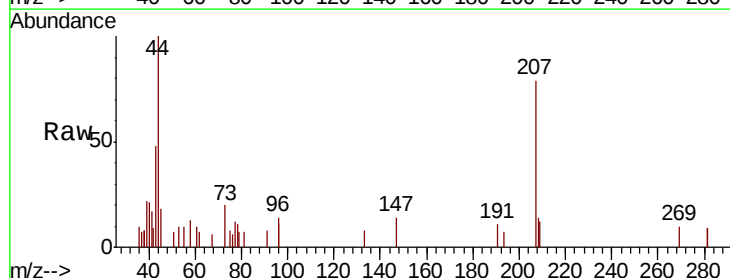
Acq: 05 May 2020 13:49

Tgt Ion: 43 Resp: 552

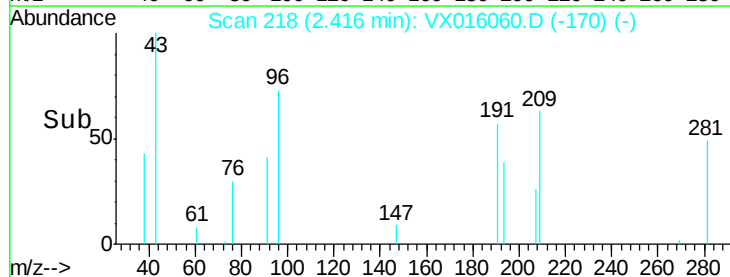
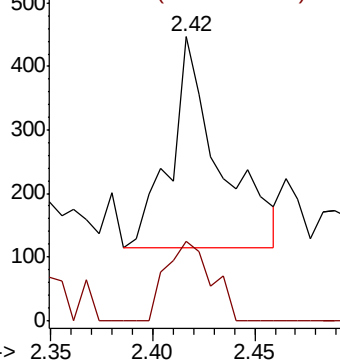
Ion Ratio Lower Upper

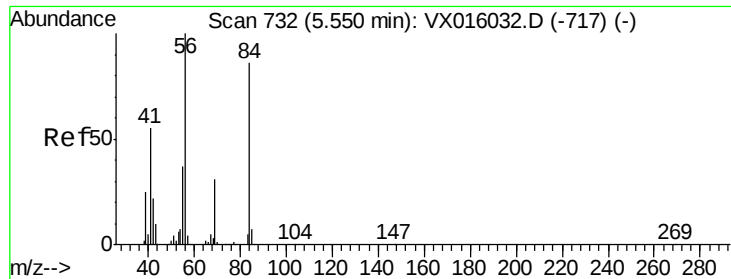
43 100

58 37.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

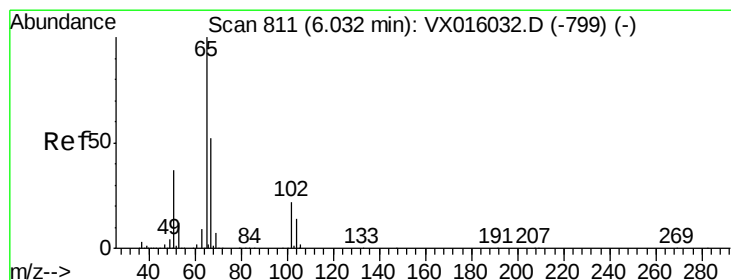
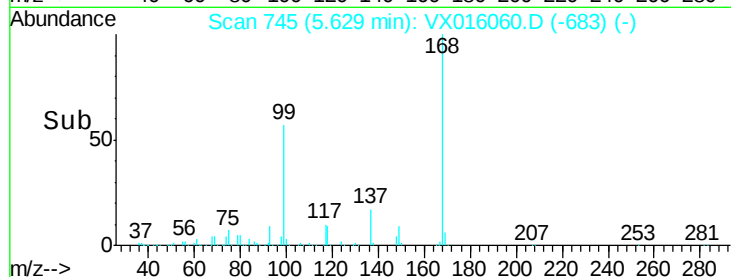
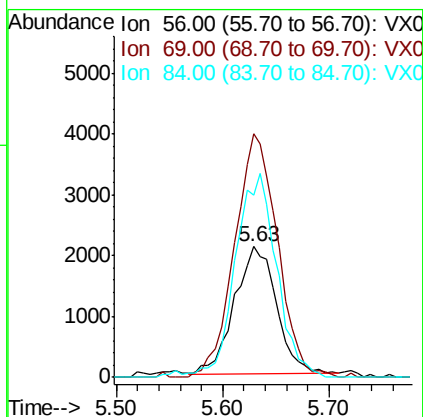
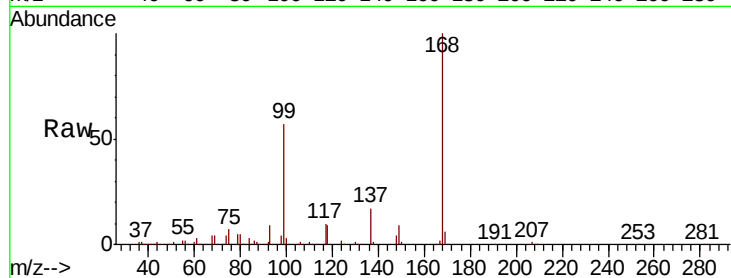




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016060.D
Acq: 05 May 2020 13:49

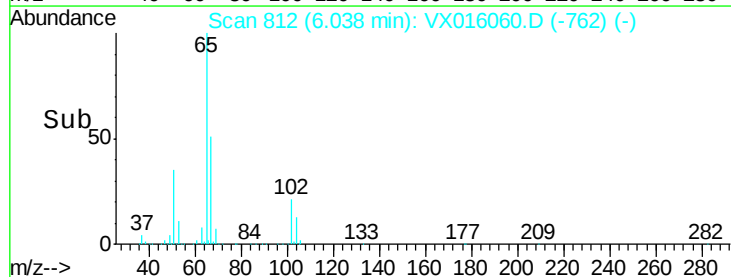
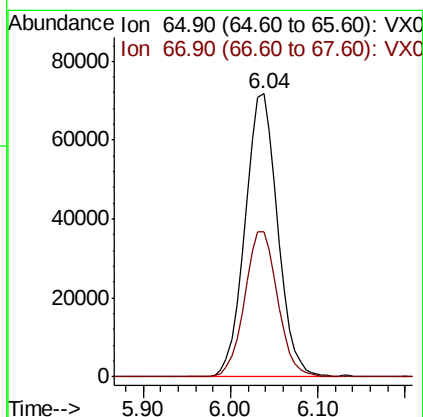
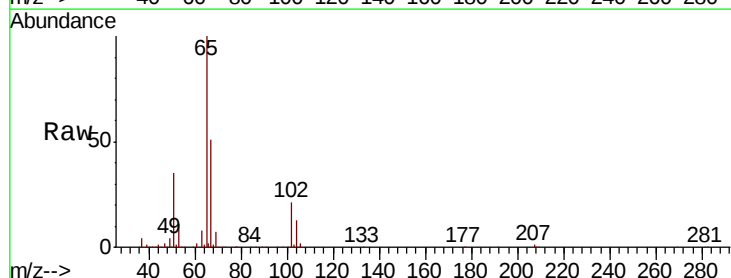
Instrument :
MSVOA_X
ClientSampled :

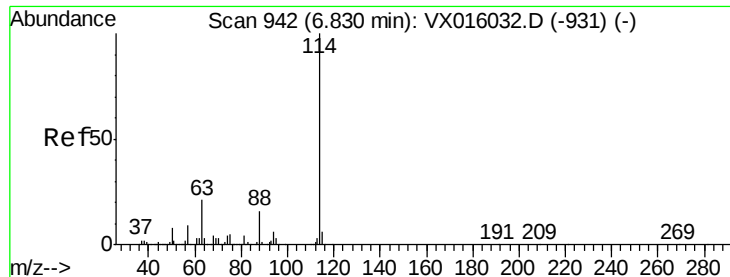
Tot Ion: 56 Resp: 5877
Ion Ratio Lower Upper
56 100
69 191.9 25.0 37.6#
84 143.7 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.677 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016060.D
Acq: 05 May 2020 13:49

Tgt Ion: 65 Resp: 185861
Ion Ratio Lower Upper
65 100
67 52.0 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: VX016060.D

Acq: 05 May 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

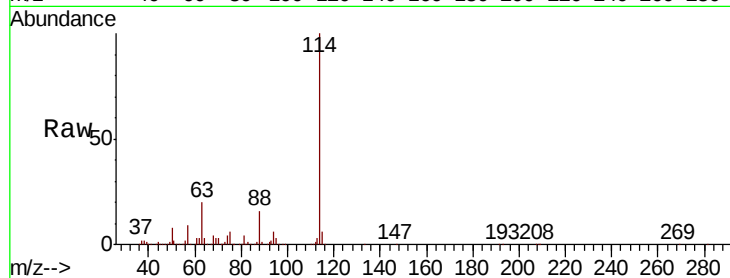
Tot Ion:114 Resp: 495725

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

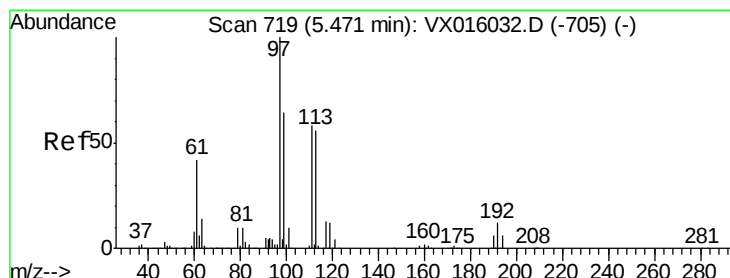
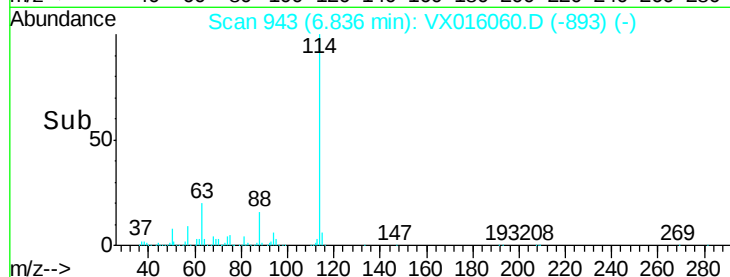
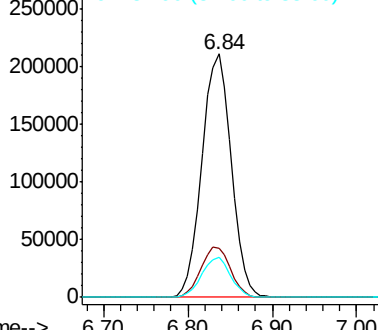
88 16.4 0.0 31.4



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: 46.145 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

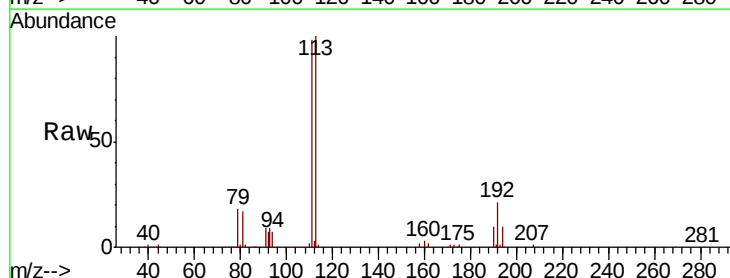
Tgt Ion:113 Resp: 144924

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

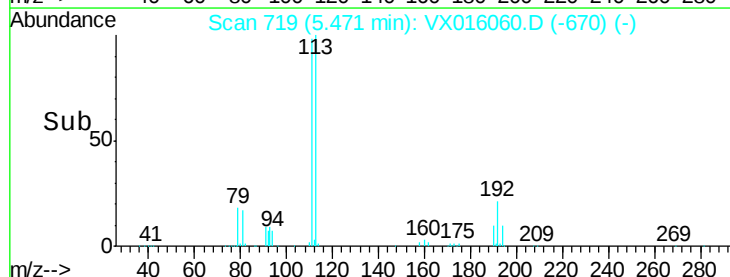
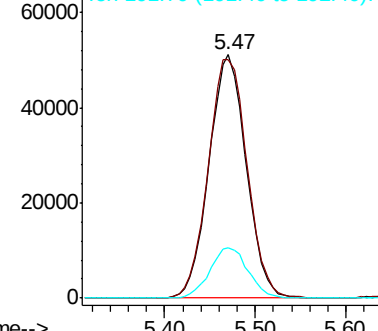
192 21.4 17.0 25.4

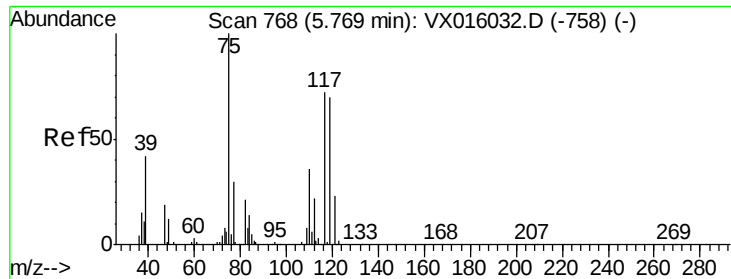


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

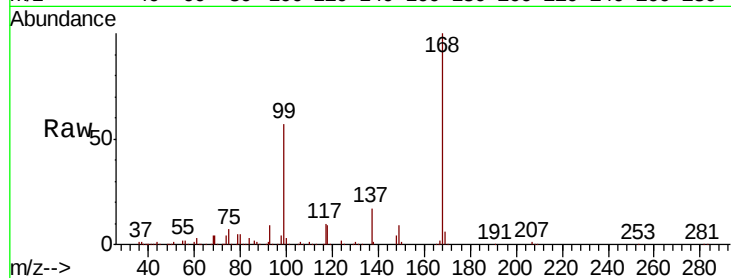




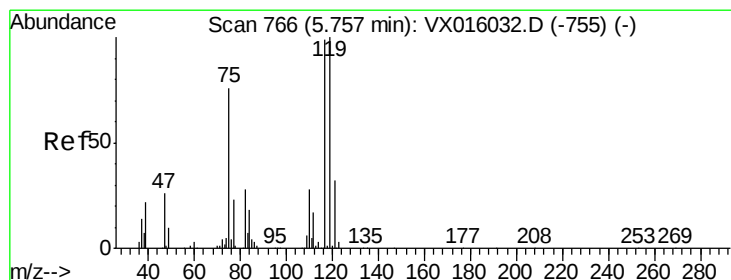
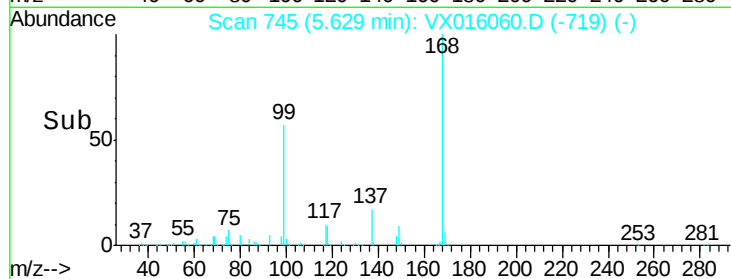
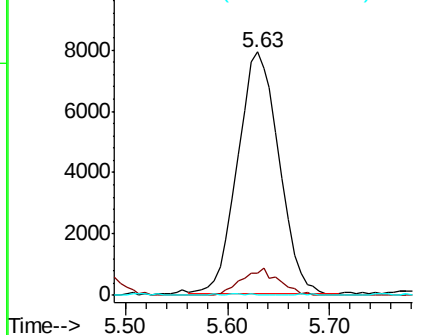
#36
 1,1-Dichloropropene
 Concen: 4.528 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016060.D
 Acq: 05 May 2020 13:49

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.1	54.1#
77	0.0	25.0	37.6#

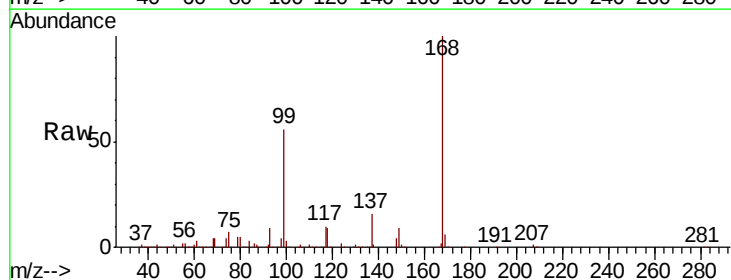


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

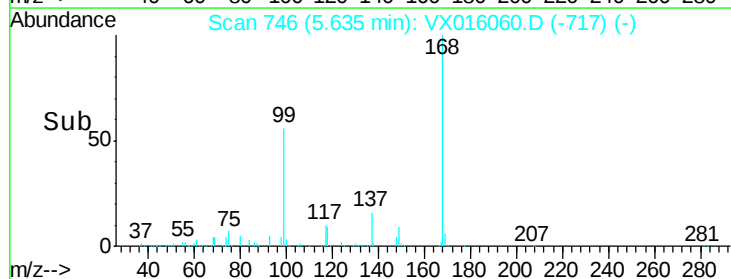
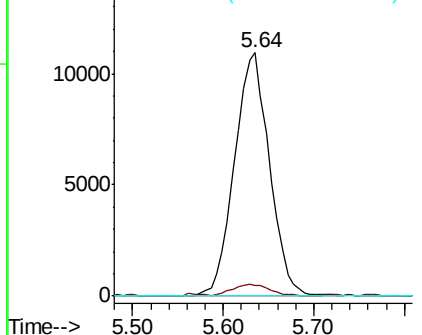


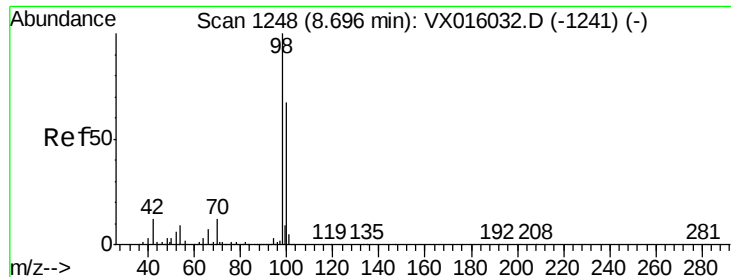
#38
 Carbon Tetrachloride
 Concen: 5.916 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016060.D
 Acq: 05 May 2020 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	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: 50.044 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

Instrument :

MSVOA_X

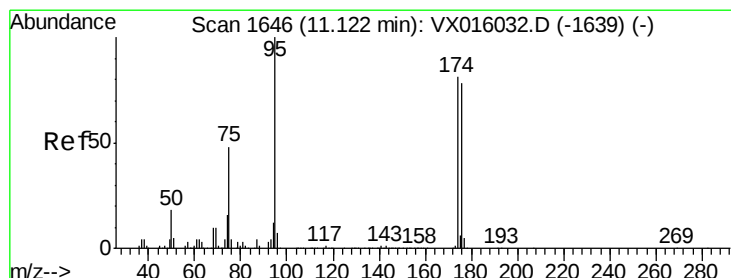
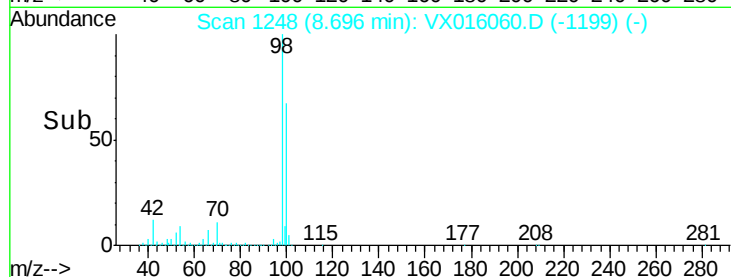
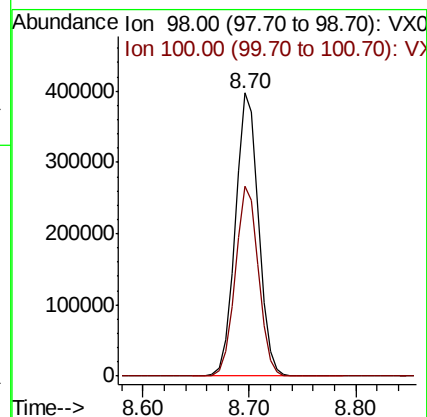
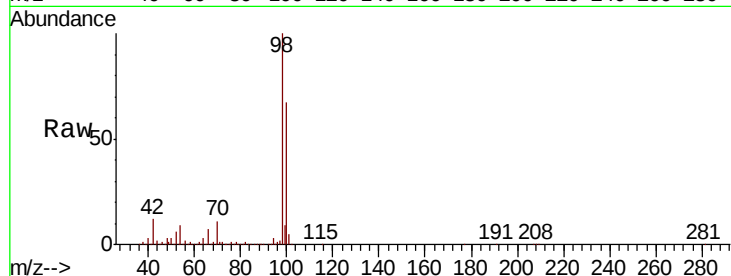
ClientSampled :

Tot Ion: 98 Resp: 605582

Ion Ratio Lower Upper

98 100

100 67.1 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 52.306 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

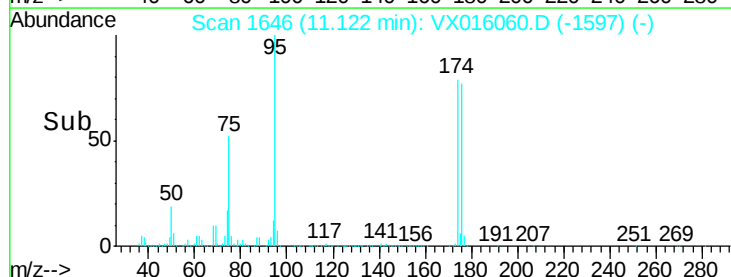
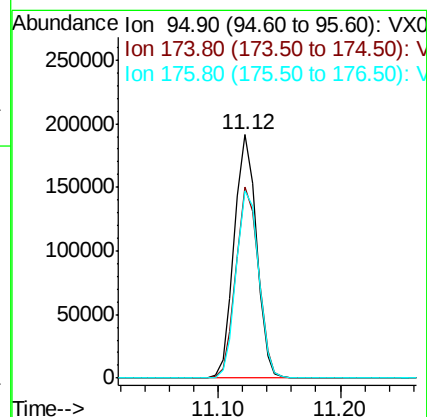
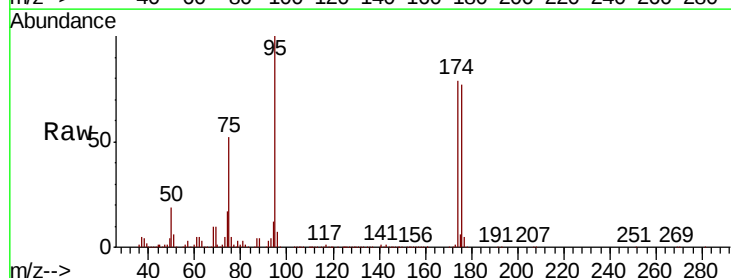
Tgt Ion: 95 Resp: 240747

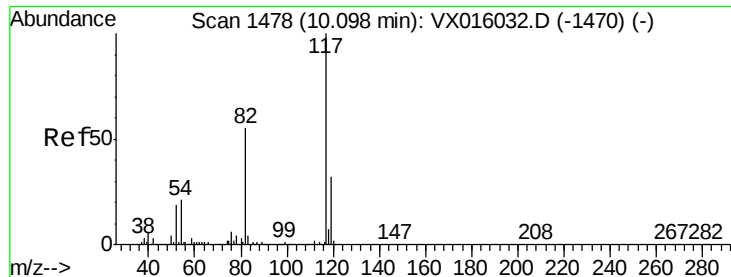
Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.4

176 78.0 0.0 157.6

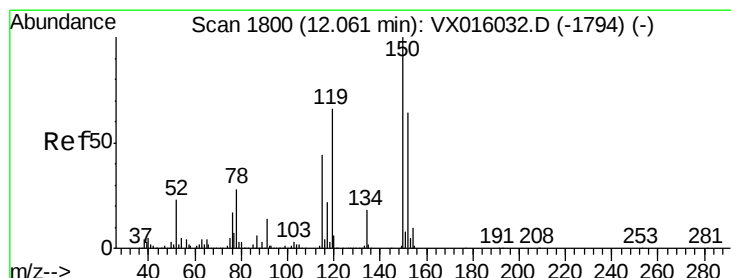
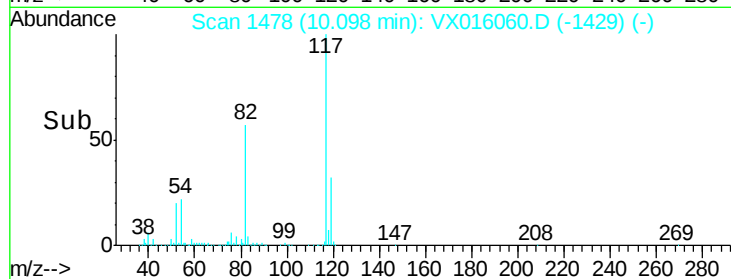
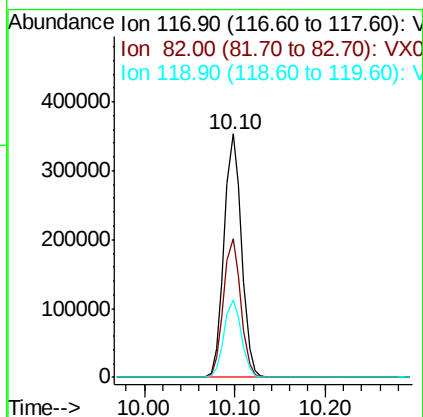
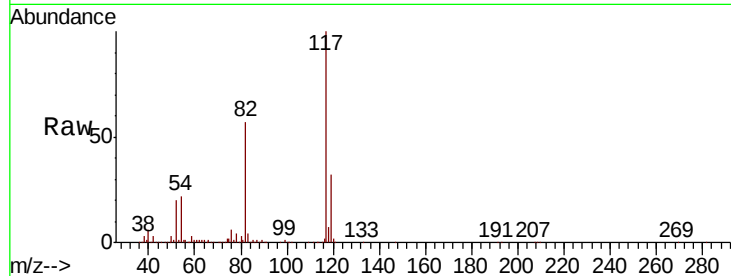




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016060.D
Acq: 05 May 2020 13:49

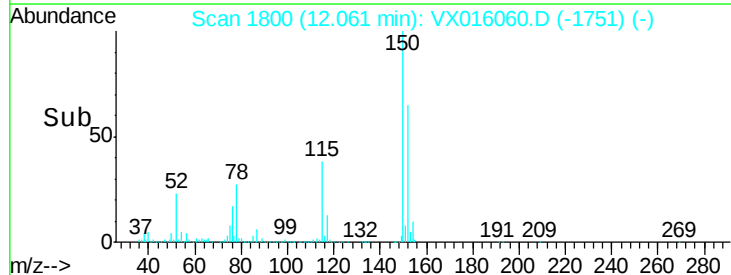
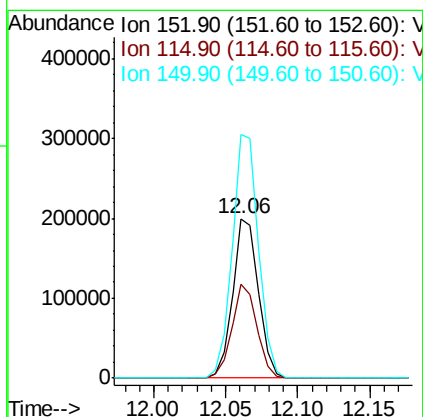
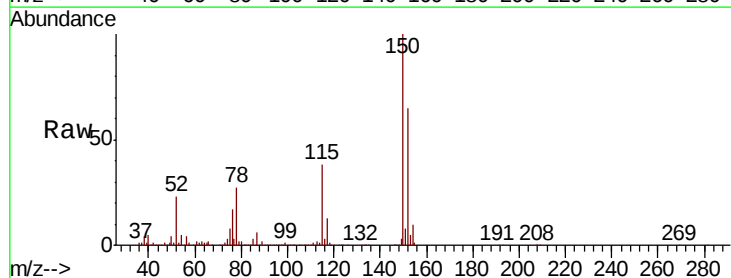
Instrument :
MSVOA_X
ClientSampleId :

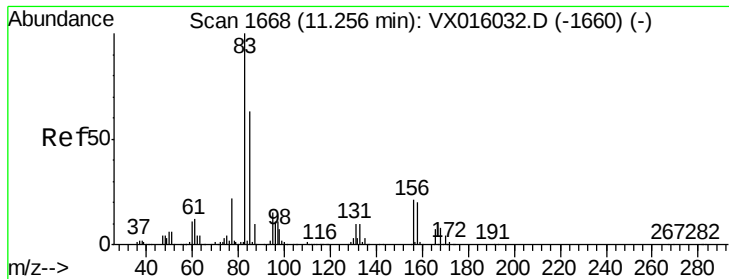
Tot Ion:117 Resp: 475292
Ion Ratio Lower Upper
117 100
82 57.0 44.4 66.6
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016060.D
Acq: 05 May 2020 13:49

Tgt Ion:152 Resp: 249902
Ion Ratio Lower Upper
152 100
115 57.6 41.3 124.1
150 156.1 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.850 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

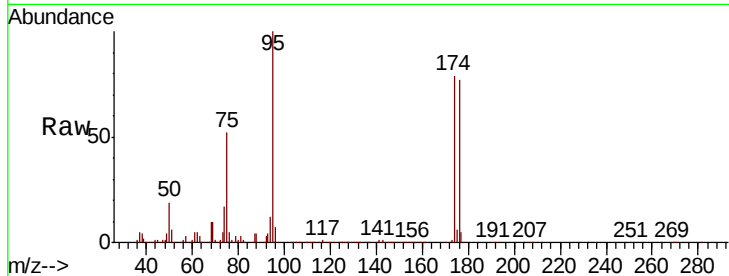
Tot Ion: 83 Resp: 166

Ion Ratio Lower Upper

83 100

131 219.3 5.1 15.4#

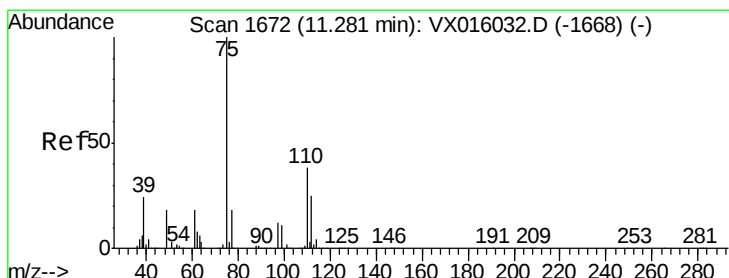
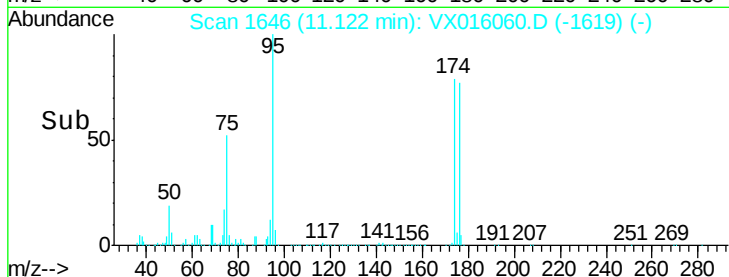
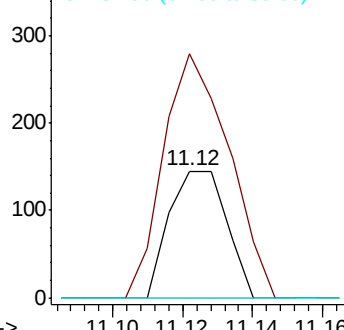
85 0.0 32.0 96.0#



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: 21.624 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016060.D

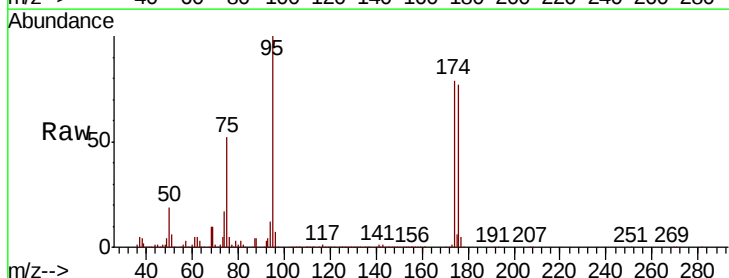
Acq: 05 May 2020 13:49

Tgt Ion: 75 Resp: 122627

Ion Ratio Lower Upper

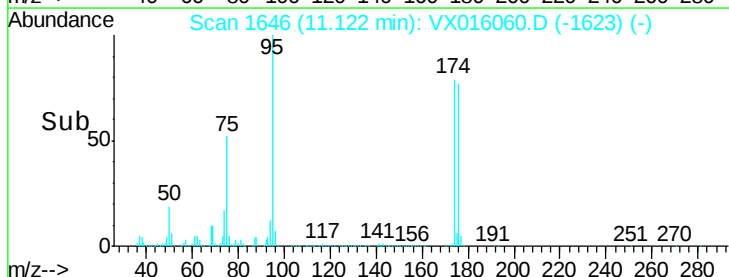
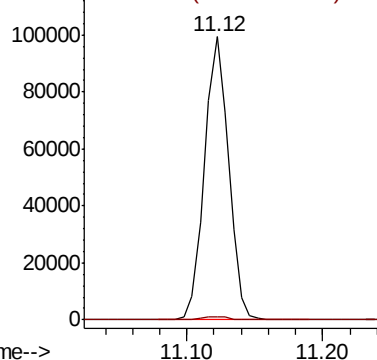
75 100

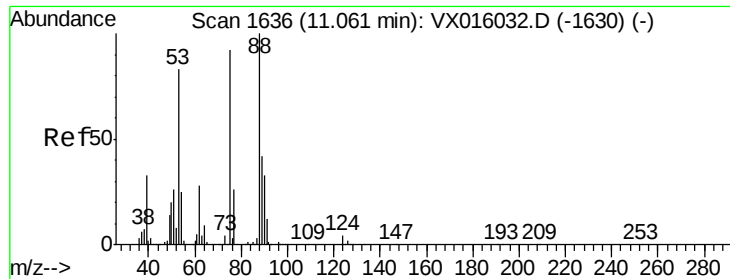
77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.532 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

Instrument :

MSVOA_X

ClientSampled :

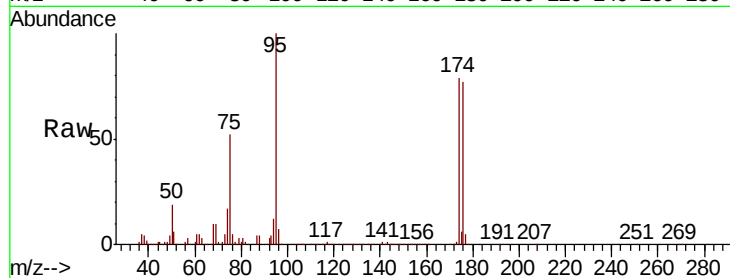
Tot Ion: 75 Resp: 122627

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

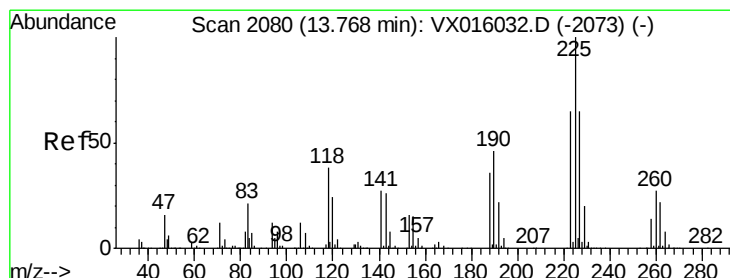
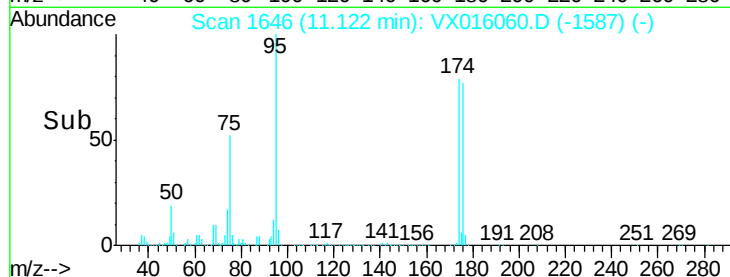
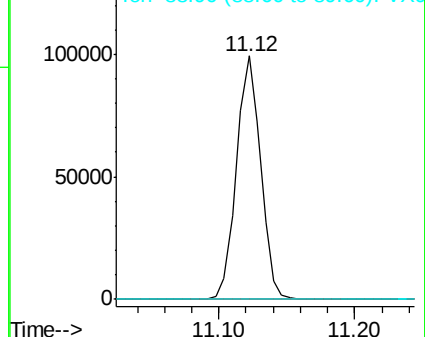
89 0.0 36.7 55.1#



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



#94

Hexachlorobutadiene

Concen: 0.634 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016060.D

Acq: 05 May 2020 13:49

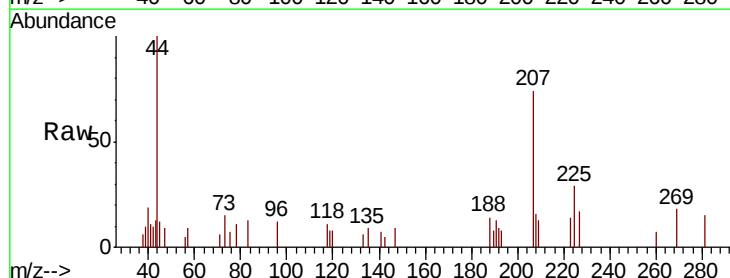
Tgt Ion: 225 Resp: 289

Ion Ratio Lower Upper

225 100

223 62.3 32.3 96.9

227 63.7 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

