

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016169.D
 Acq On : 13 May 2020 11:19
 Operator : JC/SP
 Sample : L2597-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-TB4-200511

Quant Time: May 14 04:25:03 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	5.64	168	295847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	478104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	465771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231496	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	175476	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
35) Dibromofluoromethane	5.47	113	140423	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
50) Toluene-d8	8.70	98	596135	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.12	95	234469	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	

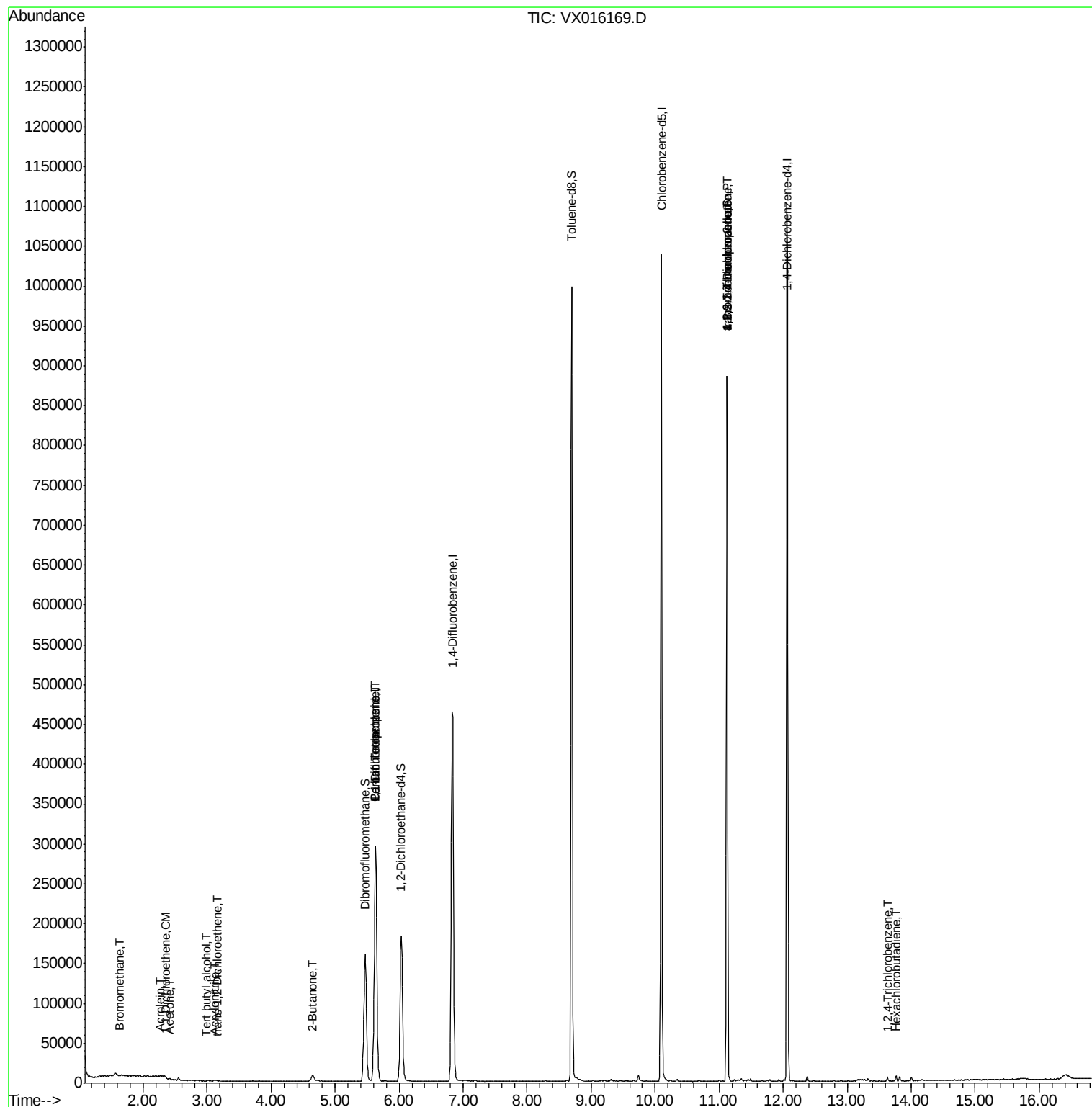
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	554	0.283	ug/l #	41
11) Tert butyl alcohol	2.99	59	218	0.221	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	775	0.252	ug/l #	29
13) Acrolein	2.27	56	833	1.352	ug/l	84
15) Acrylonitrile	3.12	53	744	0.364	ug/l #	84
16) Acetone	2.42	43	681	0.392	ug/l #	69
21) trans-1,2-Dichloroethene	3.16	96	737	0.215	ug/l #	23
25) 2-Butanone	4.65	43	1179	0.421	ug/l #	48
36) 1,1-Dichloropropene	5.63	75	21873	4.648	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27931	5.839	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	237	2.124	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115712	22.027	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115712	52.492	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.63	180	1216	0.219	ug/l	92
94) Hexachlorobutadiene	13.77	225	950	0.916	ug/l	96

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

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ClientSampled :
Z4-TB4-200511

Quant Time: May 14 04:25:03 2020
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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

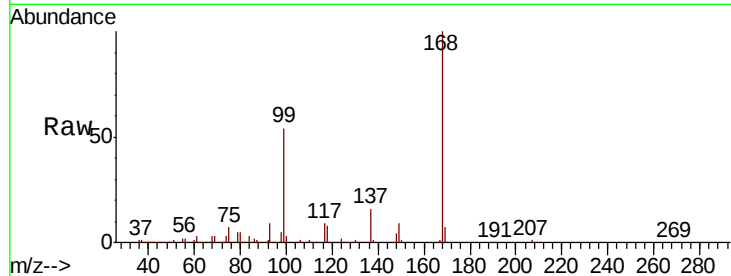
Z4-TB4-200511

Tot Ion:168 Resp: 295847

Ion Ratio Lower Upper

168 100

99 54.4 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

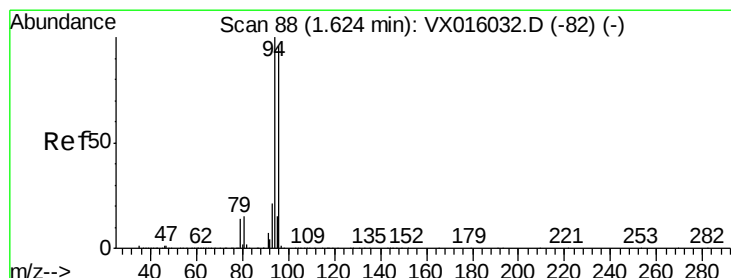
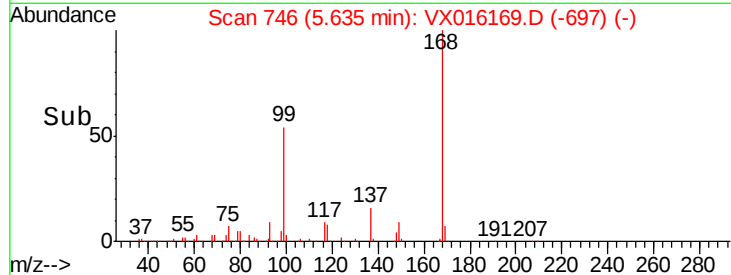
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016169.D

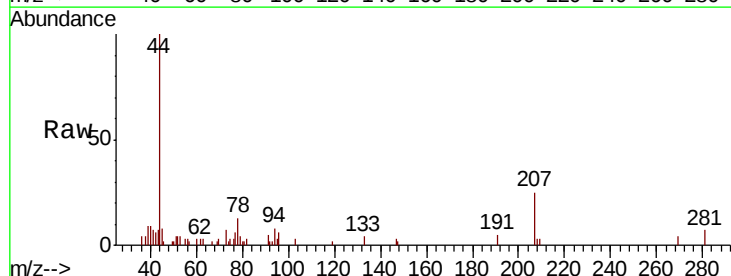
Acq: 13 May 2020 11:19

Tgt Ion: 94 Resp: 554

Ion Ratio Lower Upper

94 100

96 38.6 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

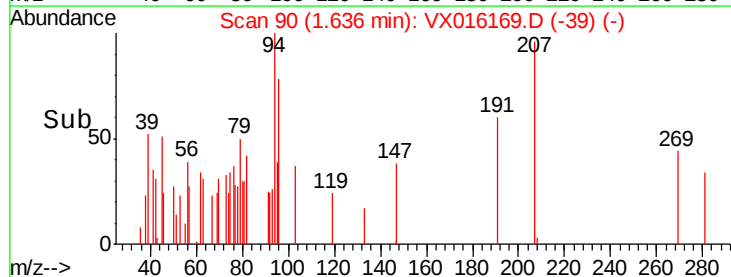
150

100

50

0

Time-->



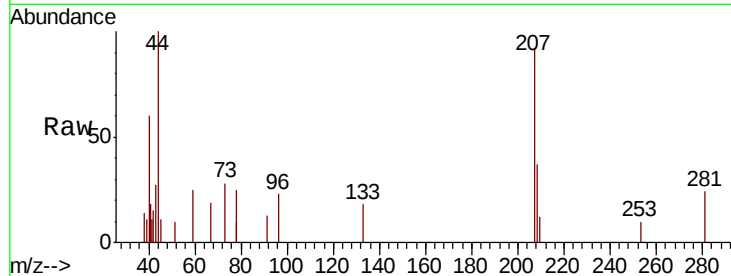


#11

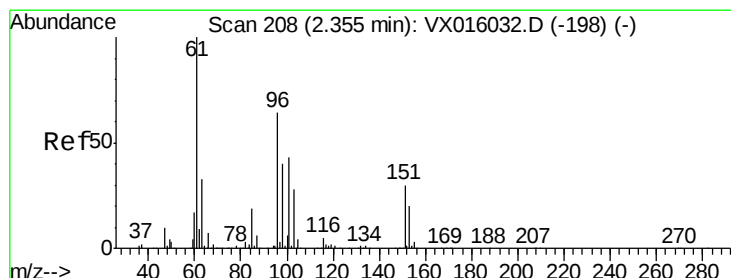
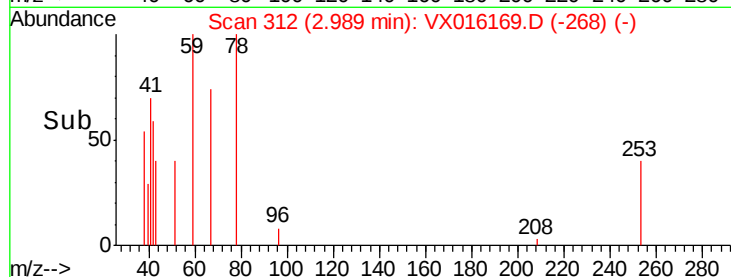
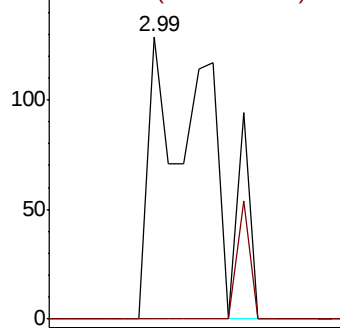
Tert butyl alcohol
Concen: 0.221 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX016169.D
Acq: 13 May 2020 11:19

Instrument :
MSVOA_X
ClientSampled :
Z4-TB4-200511

Tot Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



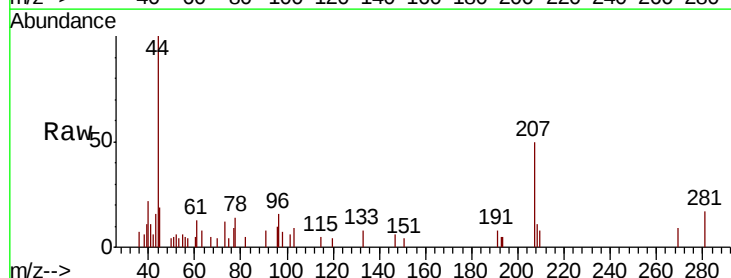
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



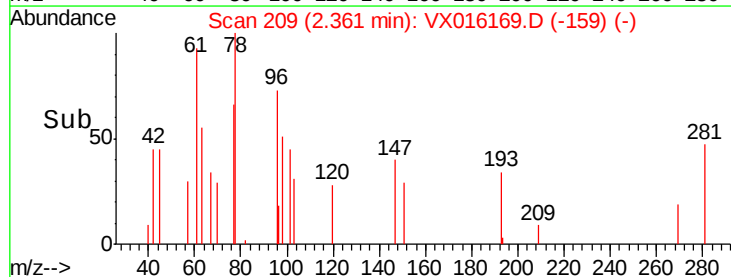
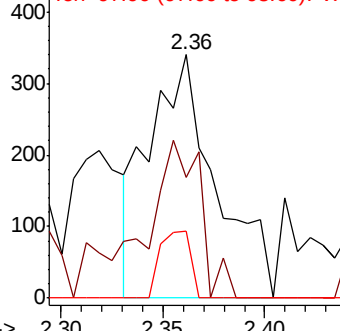
#12

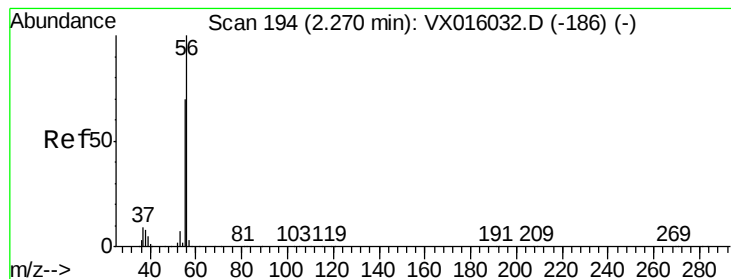
1,1-Dichloroethene
Concen: 0.252 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX016169.D
Acq: 13 May 2020 11:19

Tgt Ion: 96 Resp: 775
Ion Ratio Lower Upper
96 100
61 49.7 124.8 187.2#
98 27.4 49.7 74.5#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 1.352 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

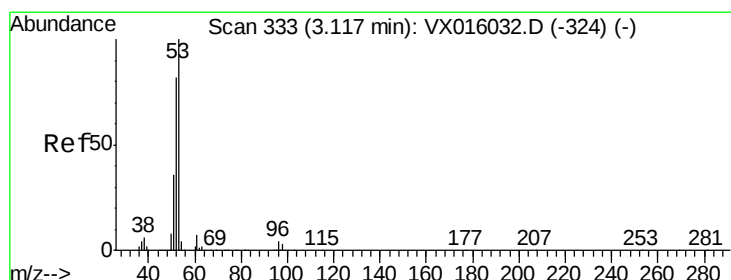
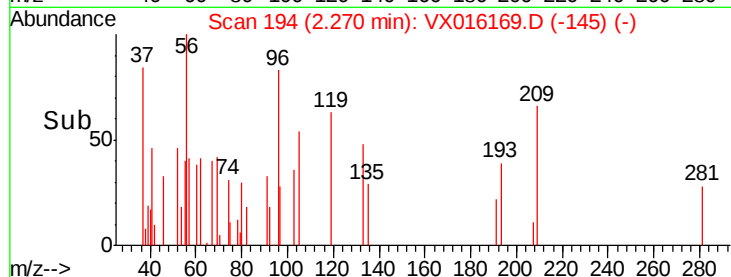
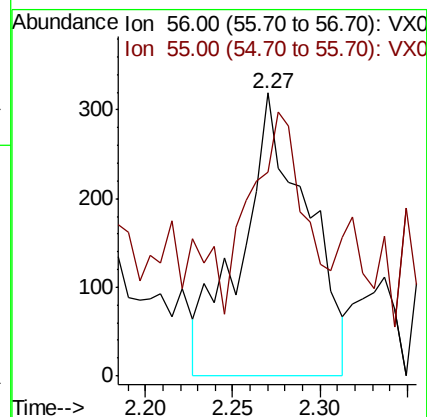
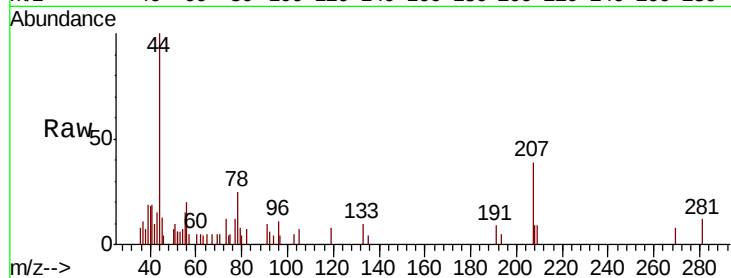
Z4-TB4-200511

Tot Ion: 56 Resp: 833

Ion Ratio Lower Upper

56 100

55 57.0 56.5 84.7



#15

Acrylonitrile

Concen: 0.364 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

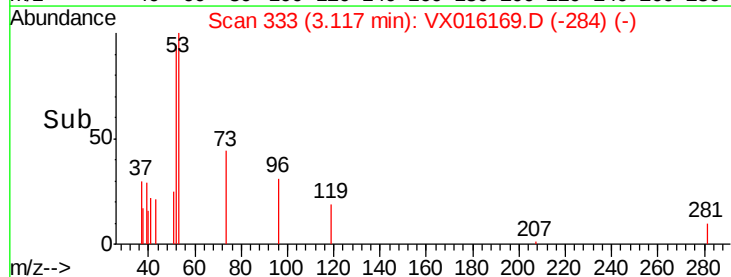
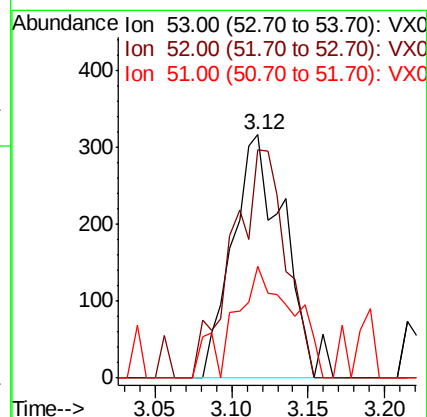
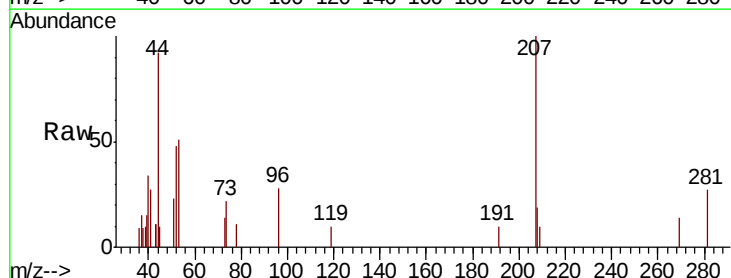
Tgt Ion: 53 Resp: 744

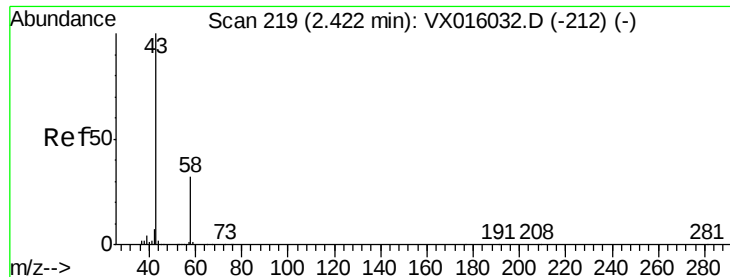
Ion Ratio Lower Upper

53 100

52 96.0 66.1 99.1

51 47.2 28.8 43.2#





#16

Acetone

Concen: 0.392 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

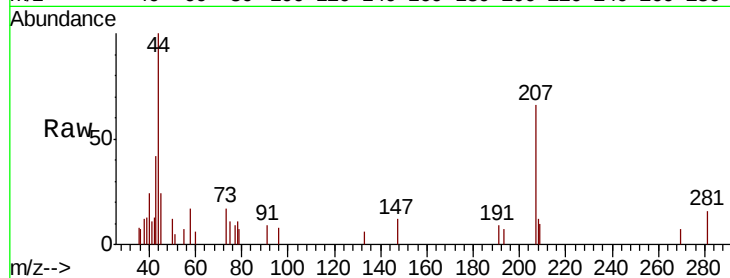
Z4-TB4-200511

Tot Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 48.9 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

400

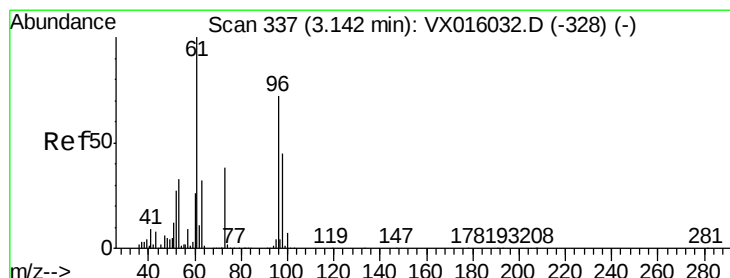
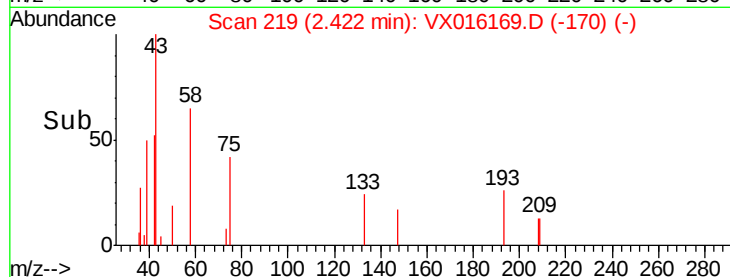
300

200

100

0

Time--> 2.35 2.40 2.45



#21

trans-1,2-Dichloroethene

Concen: 0.215 ug/l

RT: 3.16 min Scan# 340

Delta R.T. 0.02 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

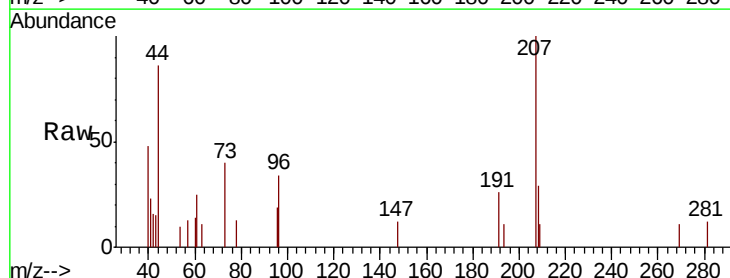
Tgt Ion: 96 Resp: 737

Ion Ratio Lower Upper

96 100

61 48.0 111.2 166.8#

98 0.0 50.2 75.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

3.16

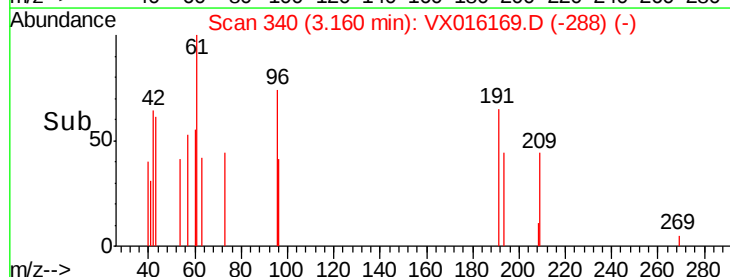
300

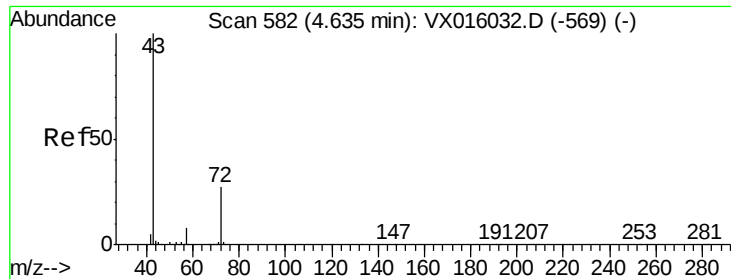
200

100

0

Time--> 3.10 3.15 3.20

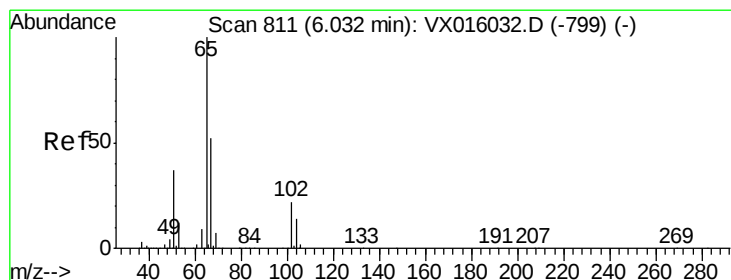
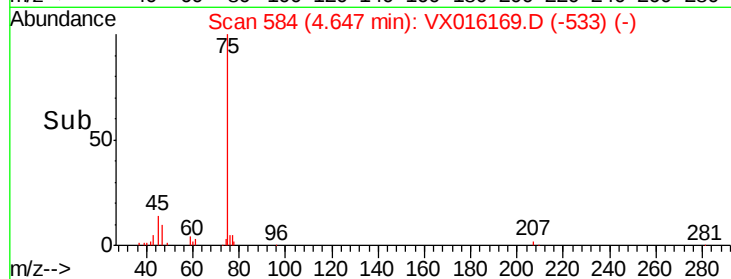
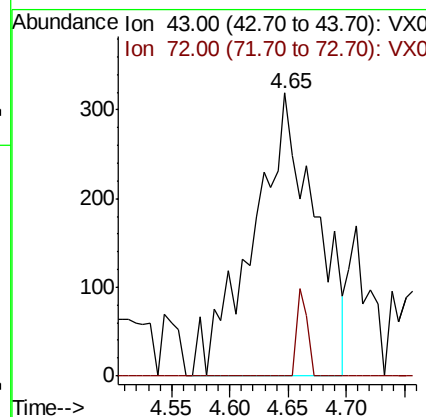
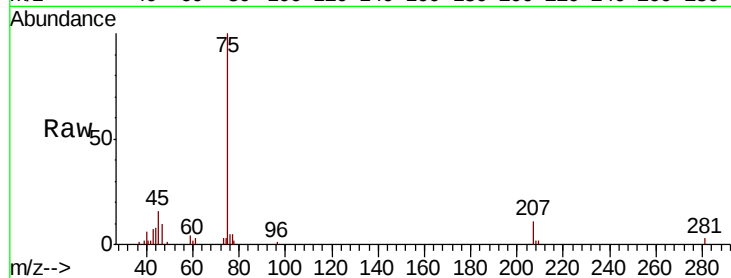




#25
2-Butanone
Concen: 0.421 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX016169.D
Acq: 13 May 2020 11:19

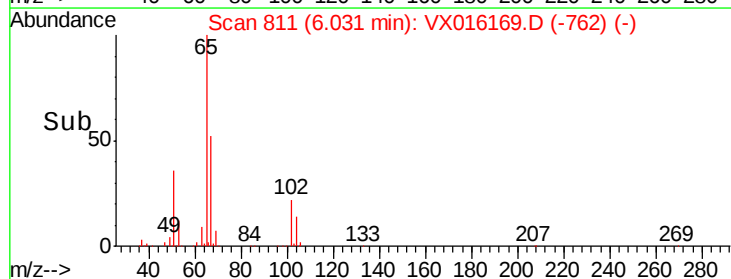
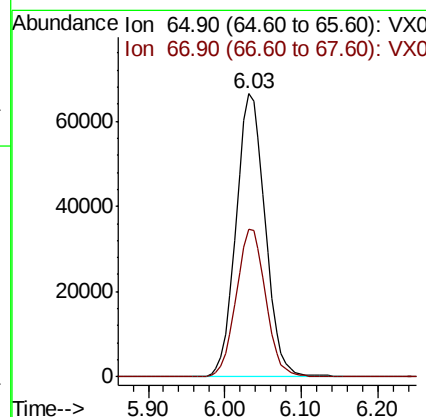
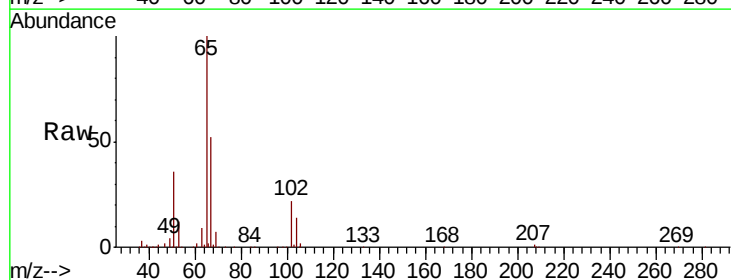
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB4-200511

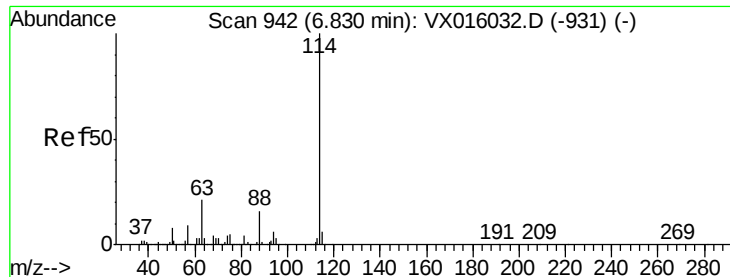
Tot Ion: 43 Resp: 1179
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.8#



#33
1,2-Dichloroethane-d4
Concen: 45.074 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016169.D
Acq: 13 May 2020 11:19

Tgt Ion: 65 Resp: 175476
Ion Ratio Lower Upper
65 100
67 52.8 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: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB4-200511

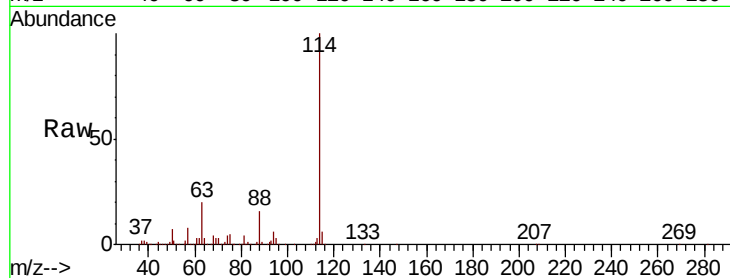
Tot Ion:114 Resp: 478104

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

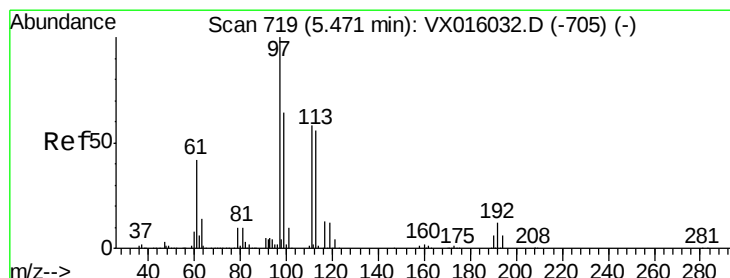
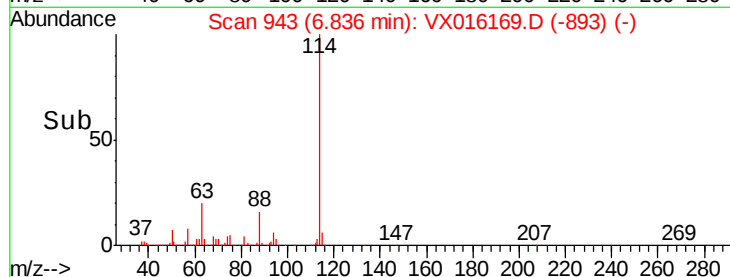
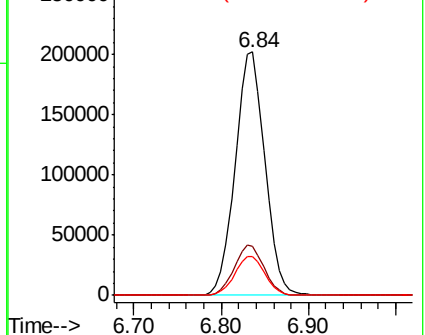
88 16.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.360 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

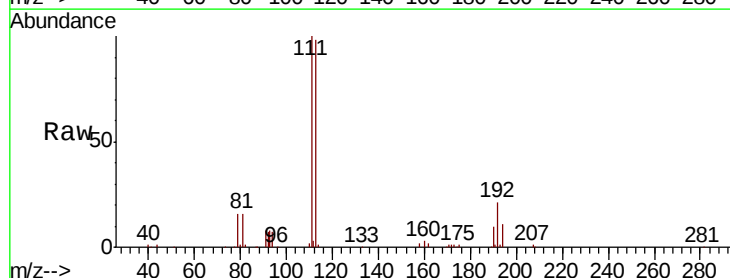
Tgt Ion:113 Resp: 140423

Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

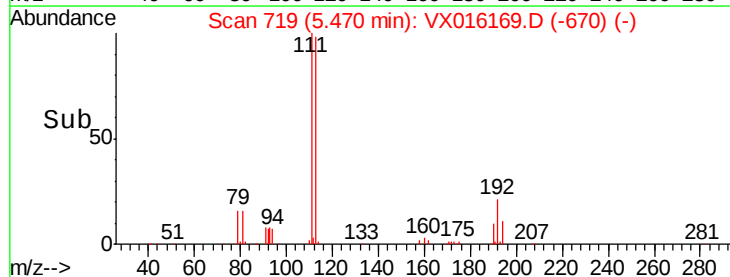
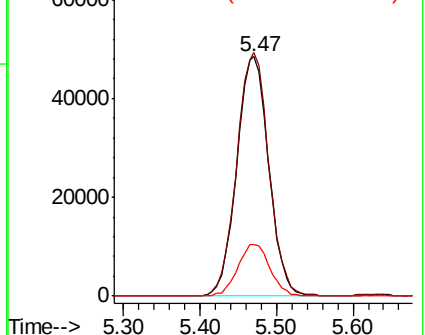
192 21.7 17.0 25.4

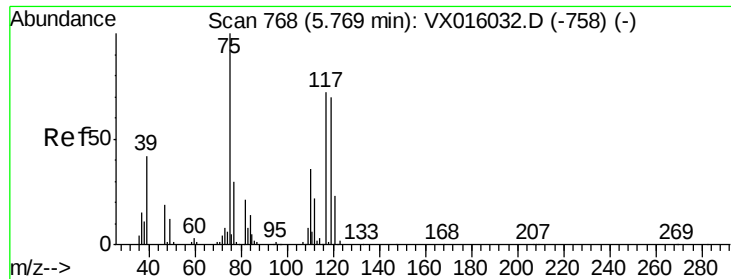


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.648 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB4-200511

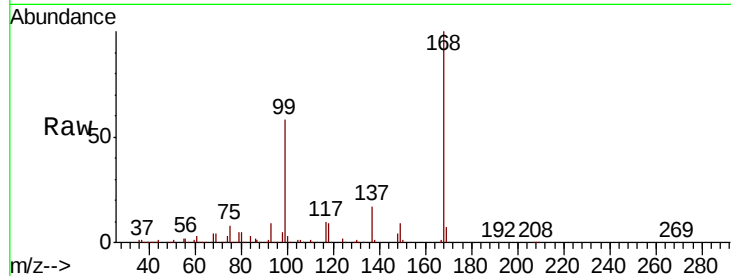
Tot Ion: 75 Resp: 21873

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

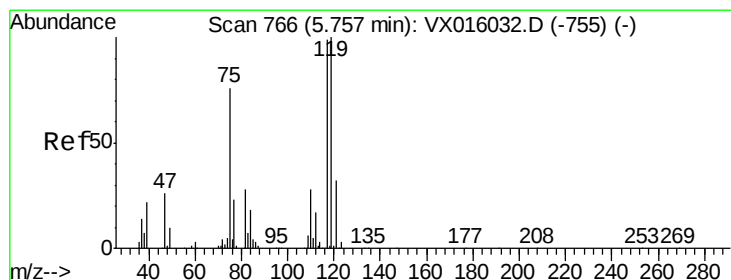
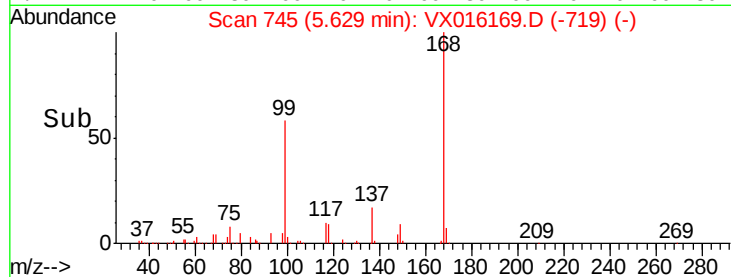
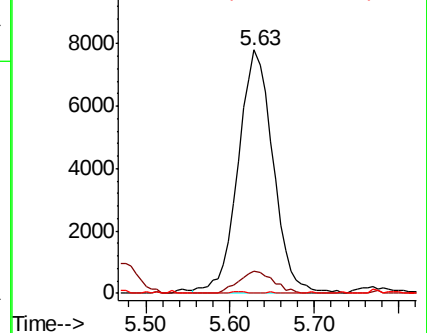
77 0.1 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.839 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

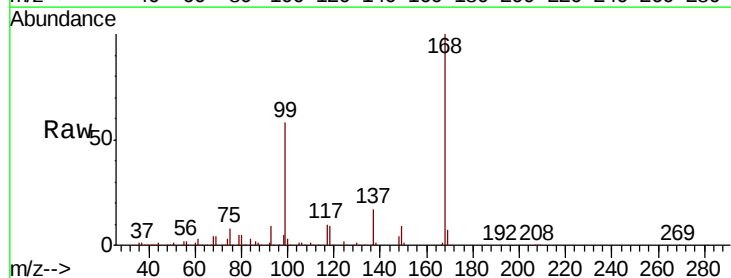
Tgt Ion: 117 Resp: 27931

Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

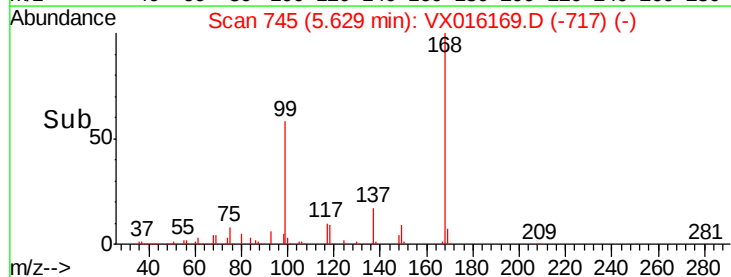
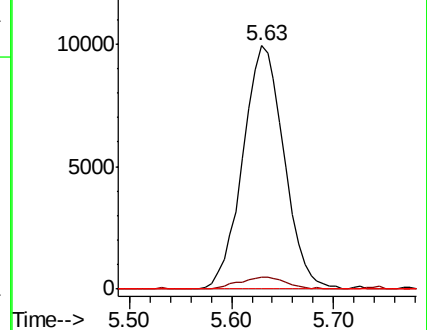
121 0.0 25.7 38.5#

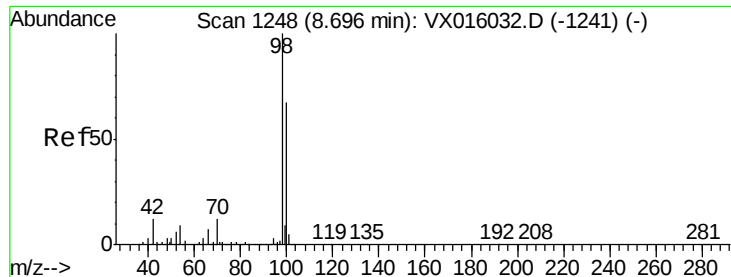


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.079 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

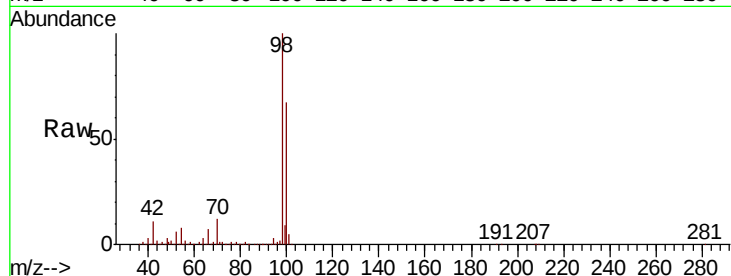
Z4-TB4-200511

Tot Ion: 98 Resp: 596135

Ion Ratio Lower Upper

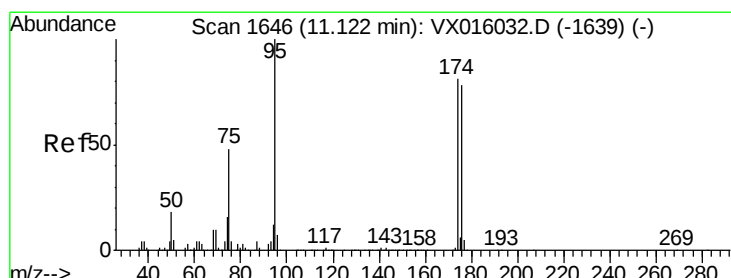
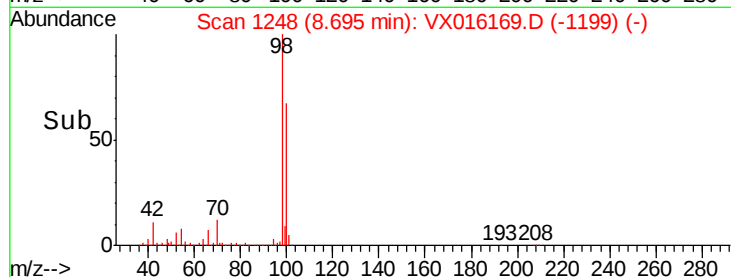
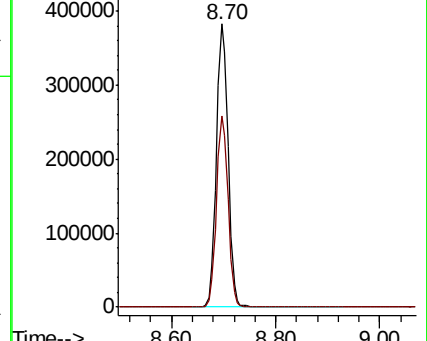
98 100

100 66.7 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 52.819 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

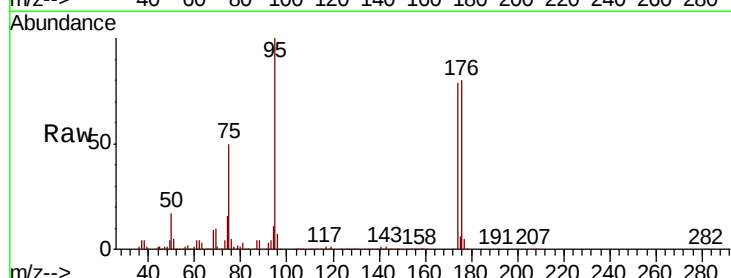
Tgt Ion: 95 Resp: 234469

Ion Ratio Lower Upper

95 100

174 80.8 0.0 159.4

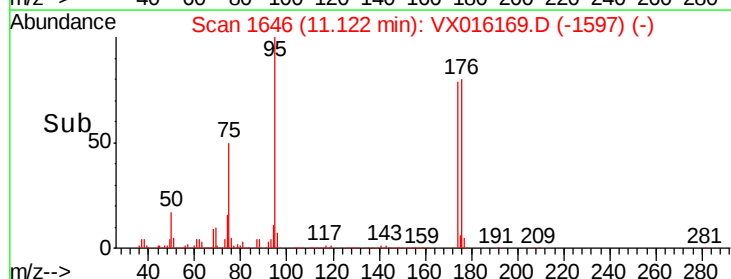
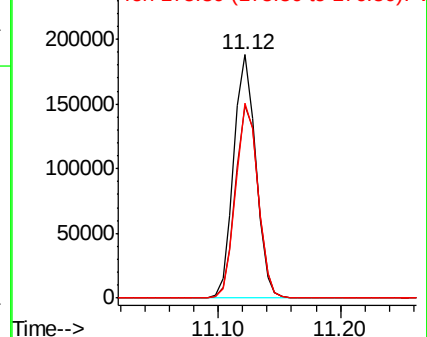
176 80.2 0.0 157.6

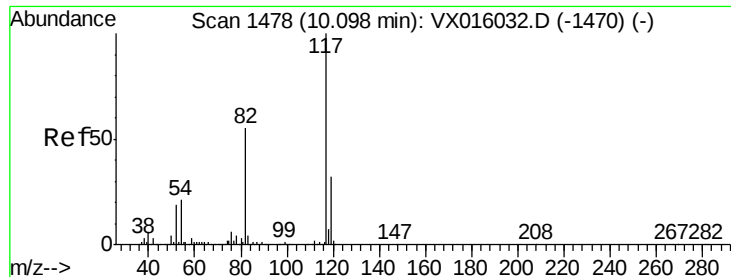


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

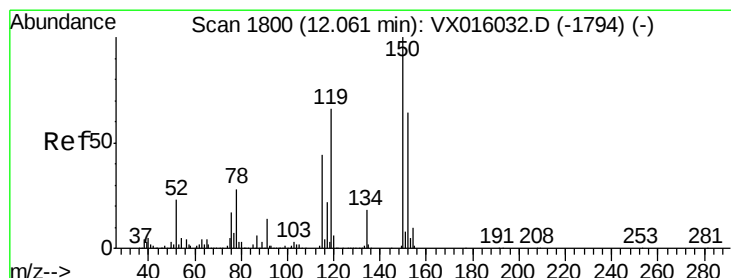
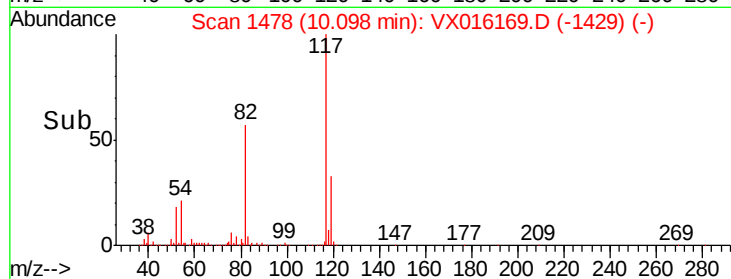
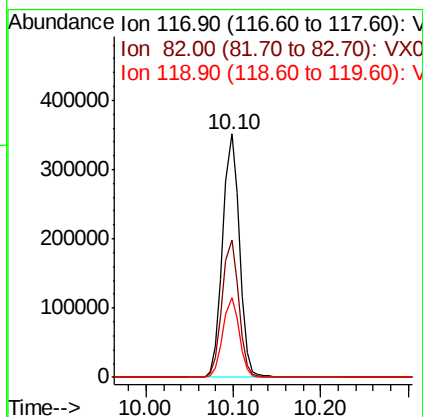
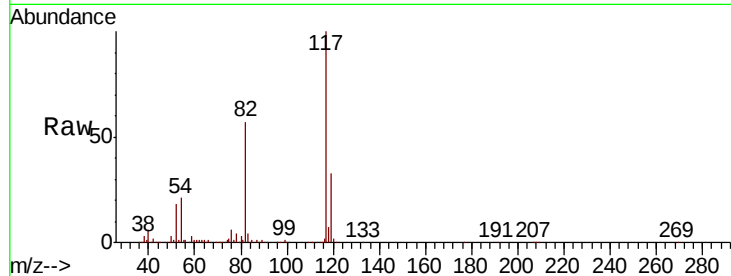




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016169.D
Acq: 13 May 2020 11:19

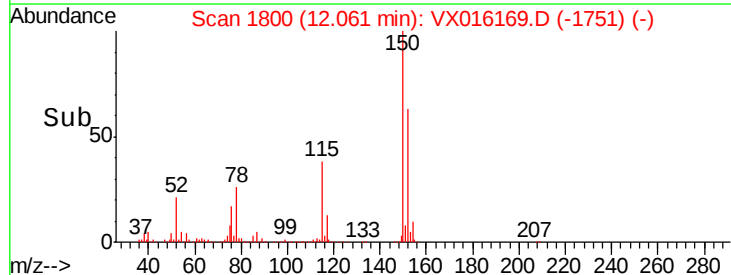
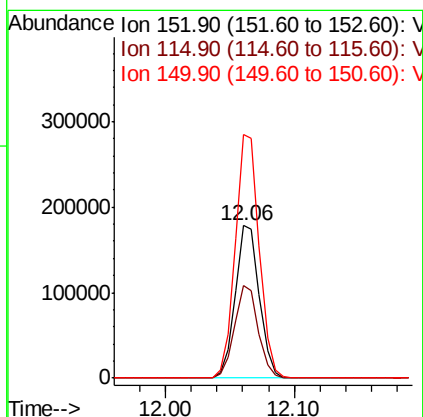
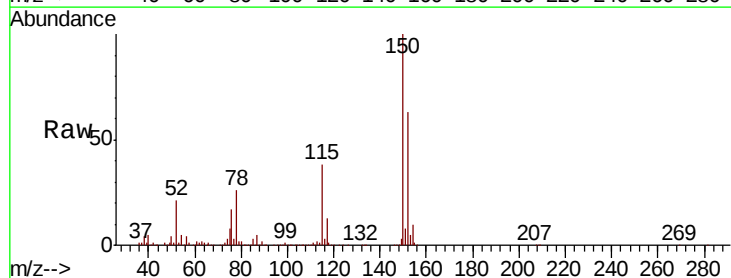
Instrument :
MSVOA_X
ClientSampleId :
Z4-TB4-200511

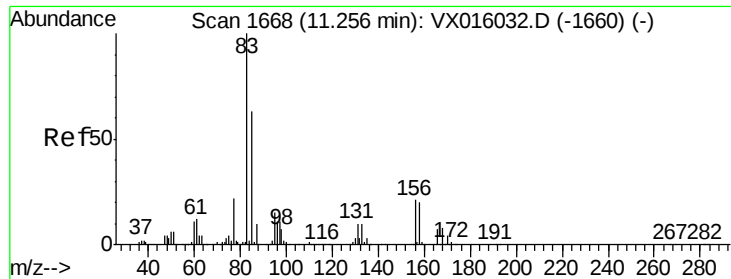
Tot Ion:117 Resp: 465771
Ion Ratio Lower Upper
117 100
82 56.6 44.4 66.6
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016169.D
Acq: 13 May 2020 11:19

Tgt Ion:152 Resp: 231496
Ion Ratio Lower Upper
152 100
115 60.1 41.3 124.1
150 159.1 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.124 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB4-200511

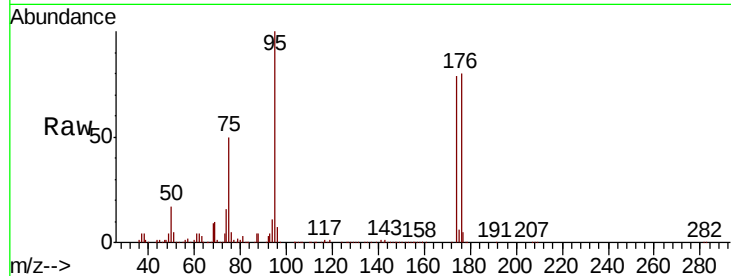
Tot Ion: 83 Resp: 237

Ion Ratio Lower Upper

83 100

131 157.8 5.1 15.4#

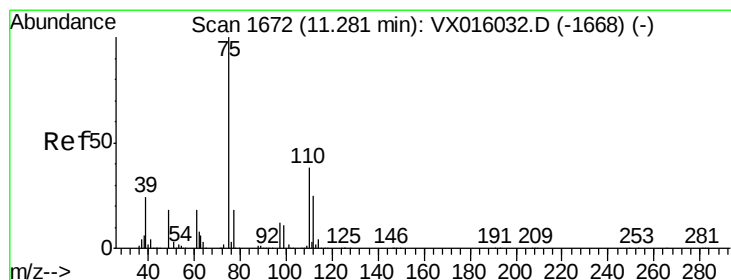
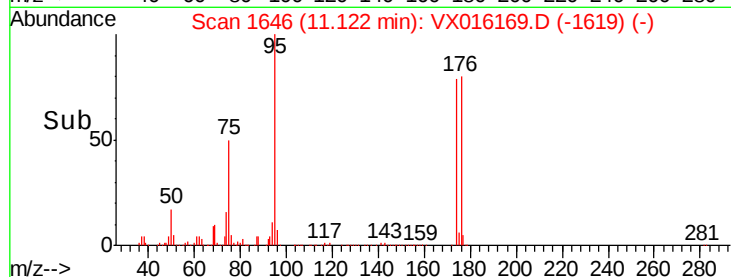
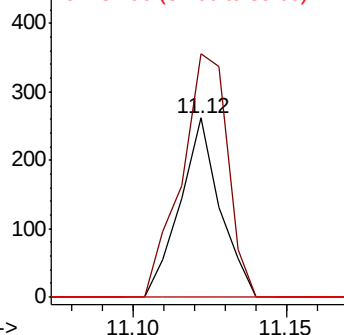
85 0.0 32.0 96.0#



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: 22.027 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016169.D

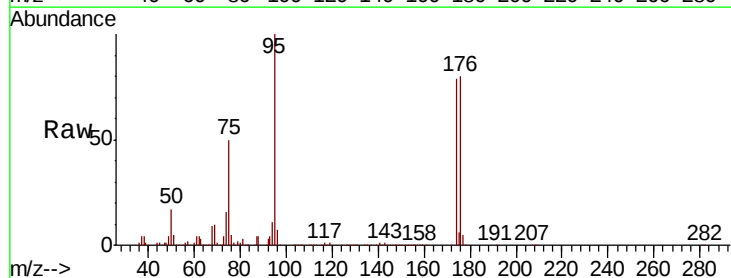
Acq: 13 May 2020 11:19

Tgt Ion: 75 Resp: 115712

Ion Ratio Lower Upper

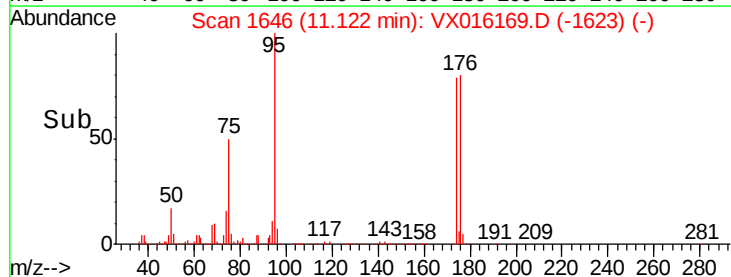
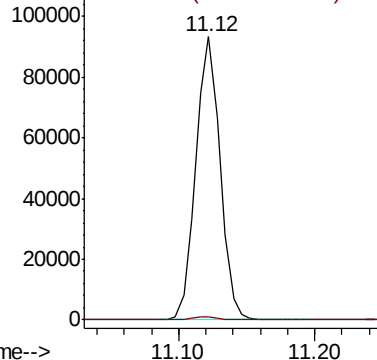
75 100

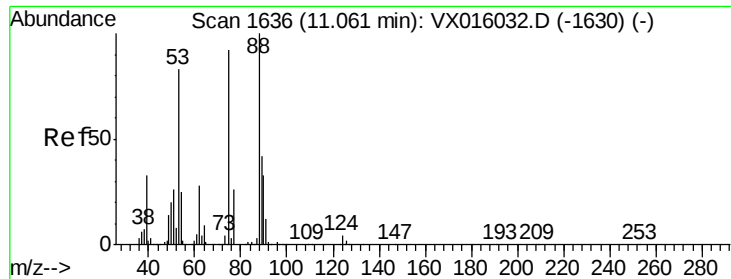
77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.492 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB4-200511

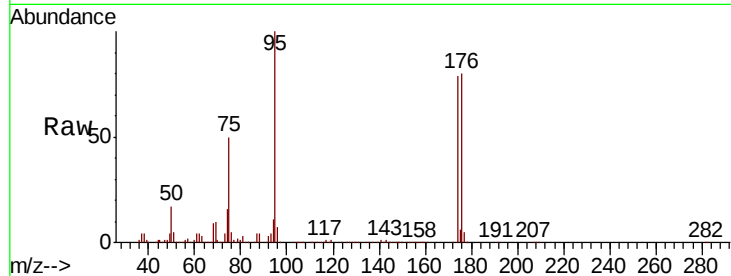
Tot Ion: 75 Resp: 115712

Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

89 0.0 36.7 55.1#

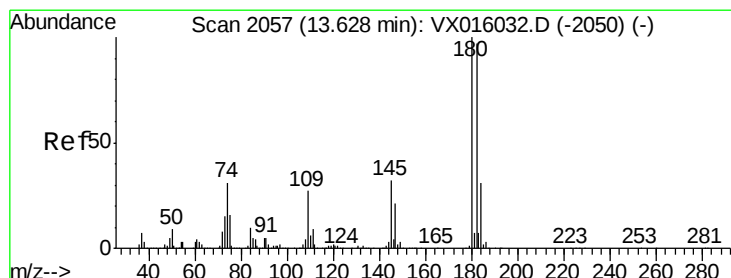
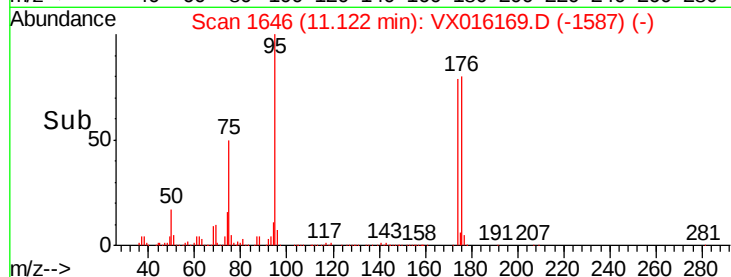
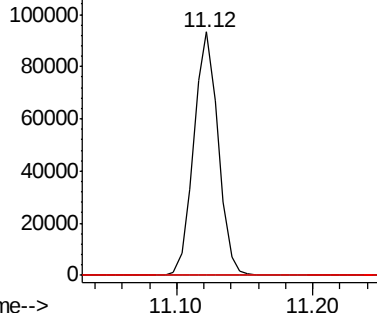


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 0.219 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

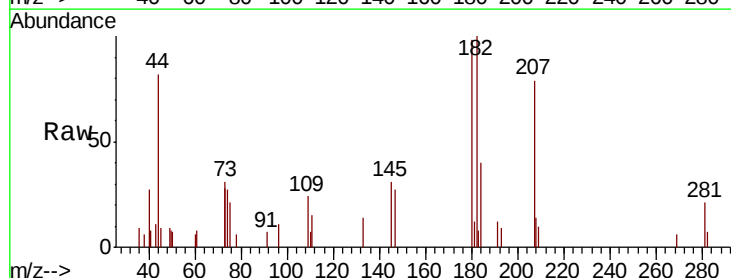
Tgt Ion: 180 Resp: 1216

Ion Ratio Lower Upper

180 100

182 87.5 48.7 146.1

145 29.7 15.7 47.1

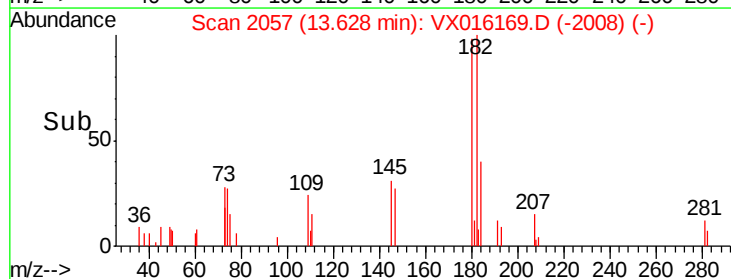
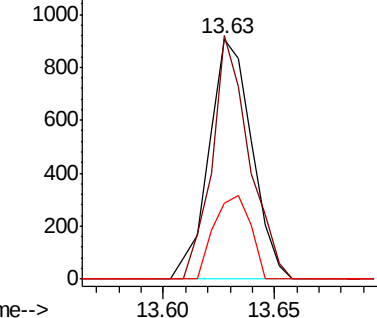


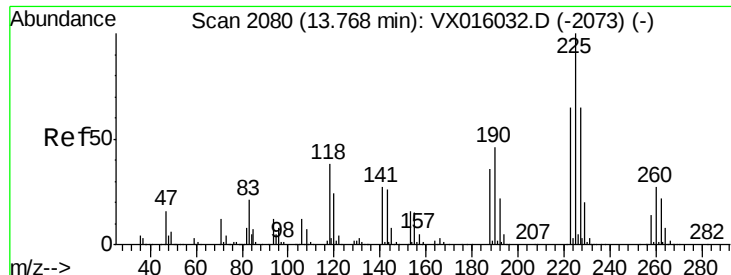
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.916 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016169.D

Acq: 13 May 2020 11:19

Instrument :

MSVOA_X

ClientSampleId :

Z4-TB4-200511

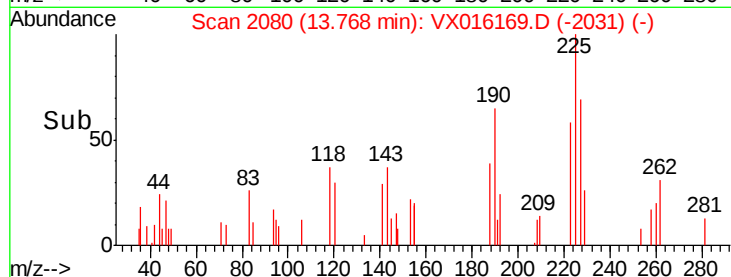
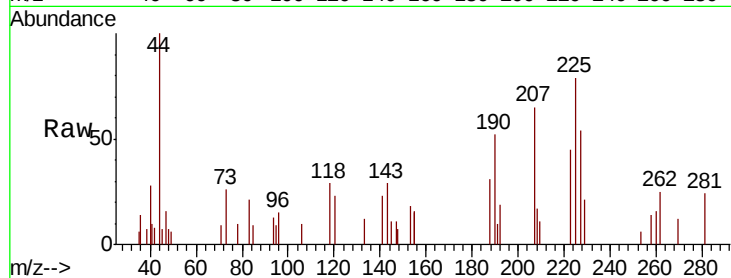
Tot Ion:225 Resp: 950

Ion Ratio Lower Upper

225 100

223 59.7 32.3 96.9

227 64.7 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

