

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016167.D
 Acq On : 13 May 2020 10:28
 Operator : JC/SP
 Sample : VX0513WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL01

Quant Time: May 14 04:24:01 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	5.62	168	299373	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	489467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	474323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225933	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	178232	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	5.46	113	142879	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	8.70	98	604462	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.12	95	232805	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	

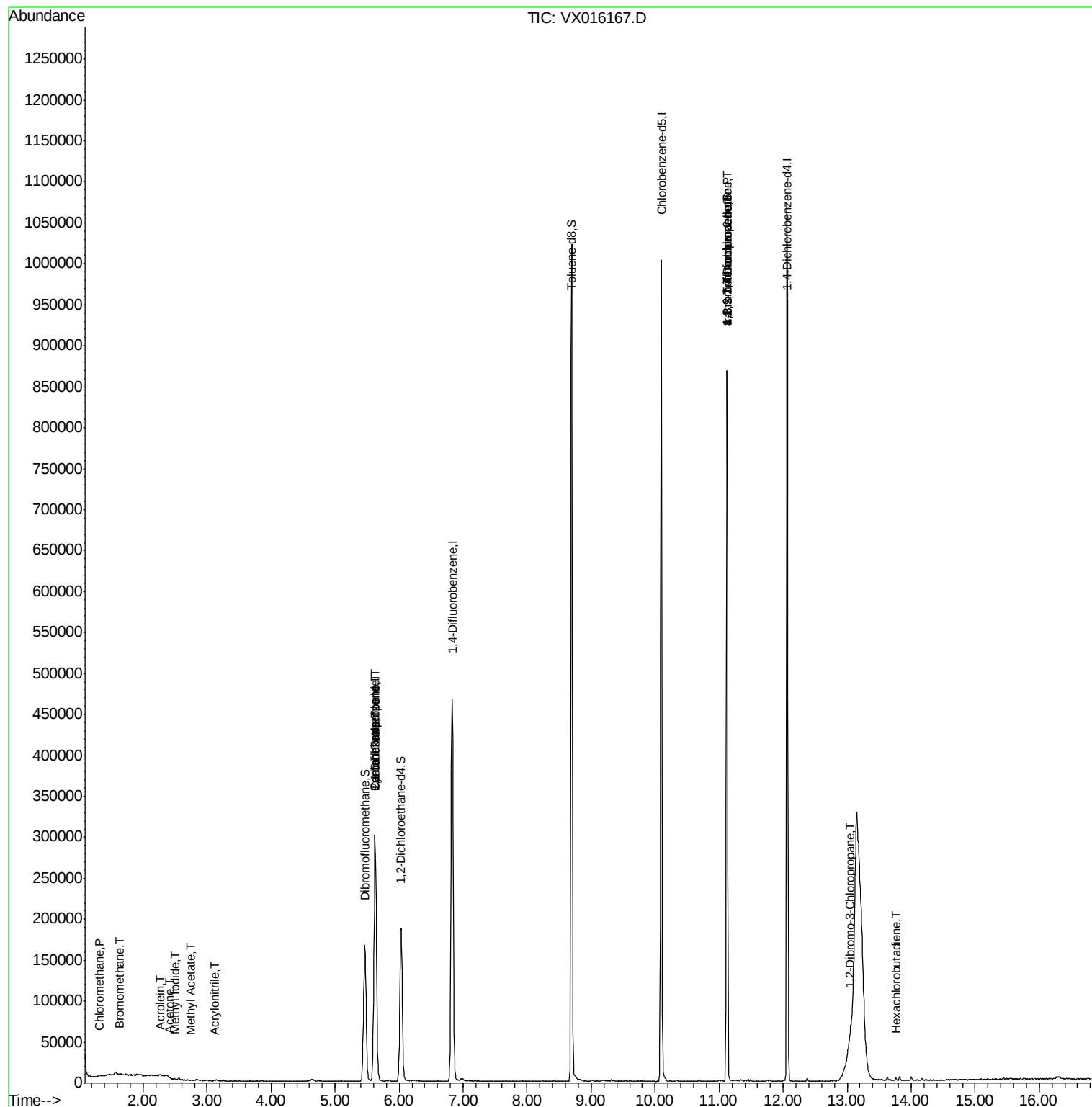
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	988	0.268	ug/l #	65
5) Bromomethane	1.64	94	1009	0.510	ug/l	99
10) Methyl Iodide	2.50	142	1000	0.250	ug/l #	43
13) Acrolein	2.27	56	720	1.155	ug/l #	71
15) Acrylonitrile	3.12	53	596	0.288	ug/l #	82
16) Acetone	2.42	43	578	0.329	ug/l #	68
18) Methyl Acetate	2.75	43	970	0.224	ug/l	98
31) Cyclohexane	5.63	56	5977	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22185	4.604	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27881	5.693	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	203	2.115	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	113375	22.114	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	113375	52.698	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	13.04	75	278	0.206	ug/l #	1
94) Hexachlorobutadiene	13.77	225	409	0.697	ug/l	92

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

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MSVOA_X
ClientSampled :
VX0513WBL01

Quant Time: May 14 04:24:01 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: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

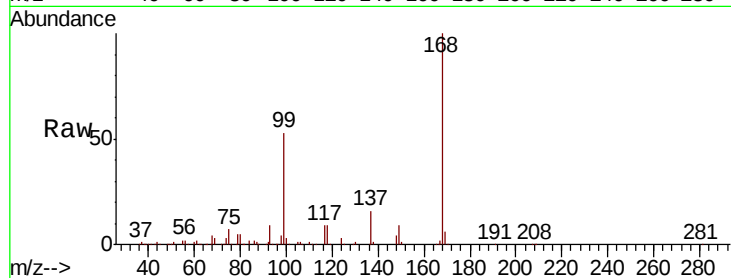
VX0513WBL01

Tot Ion:168 Resp: 299373

Ion Ratio Lower Upper

168 100

99 53.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

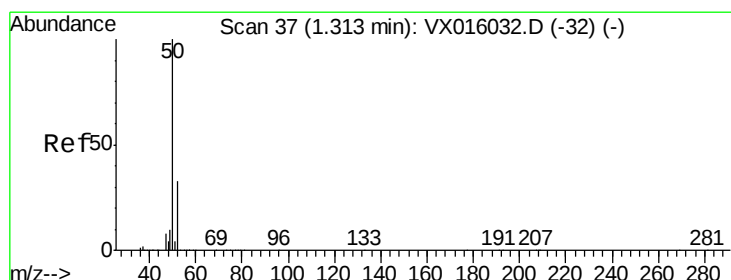
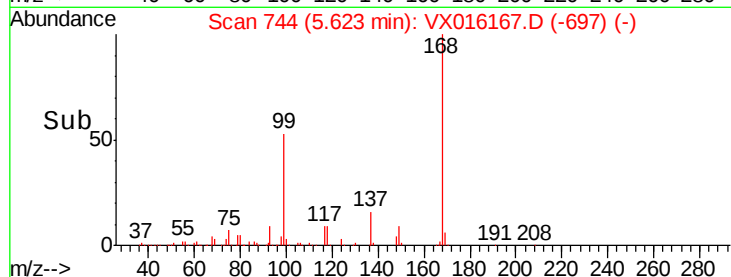
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.268 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016167.D

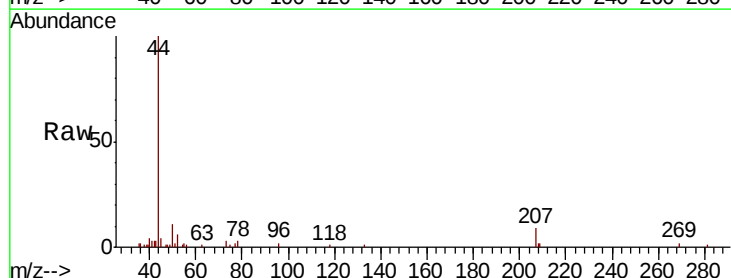
Acq: 13 May 2020 10:28

Tgt Ion: 50 Resp: 988

Ion Ratio Lower Upper

50 100

52 52.2 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

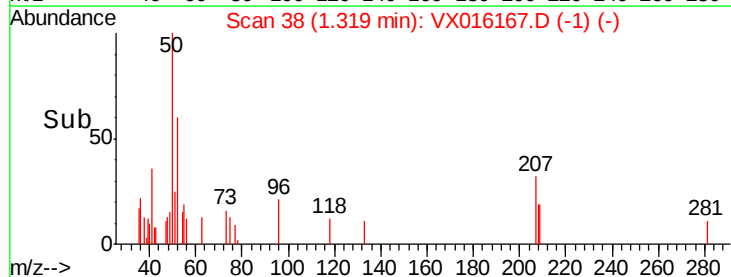
300

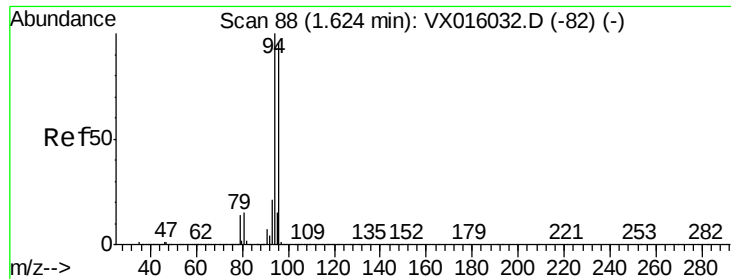
200

100

0

Time-->





#5

Bromomethane

Concen: 0.510 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

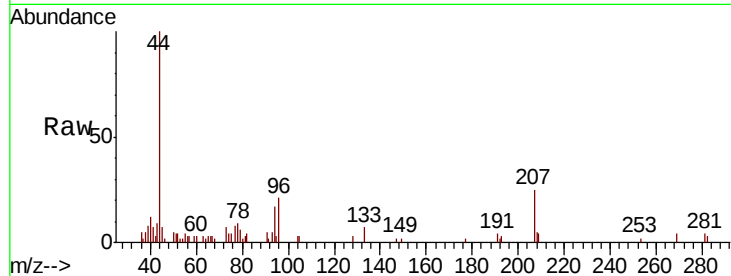
VX0513WBL01

Tot Ion: 94 Resp: 1009

Ion Ratio Lower Upper

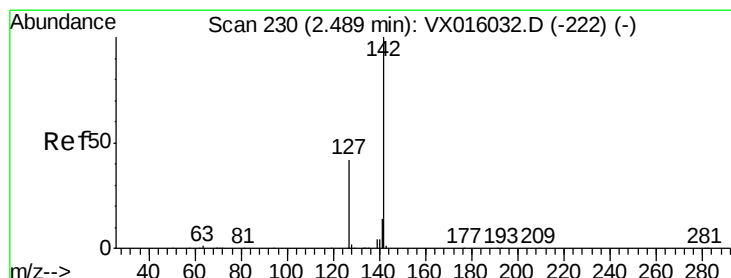
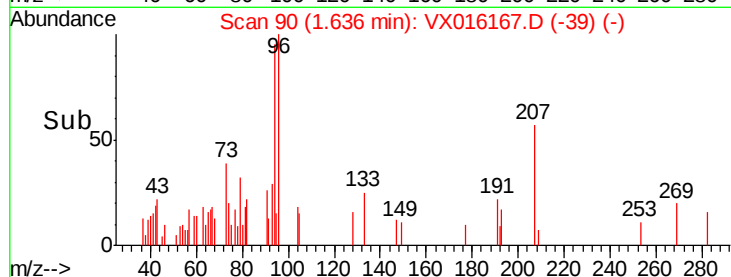
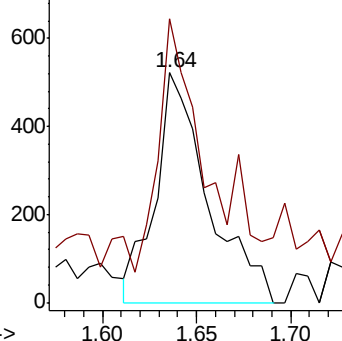
94 100

96 95.2 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.250 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

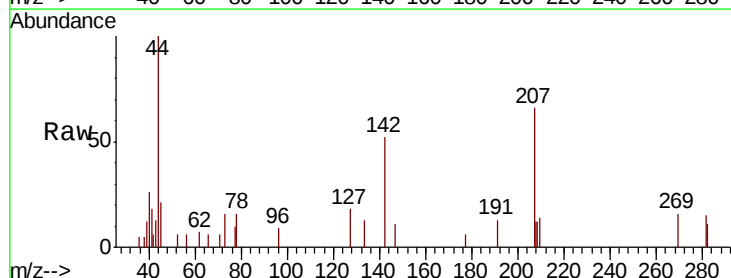
Tgt Ion: 142 Resp: 1000

Ion Ratio Lower Upper

142 100

127 0.0 34.6 52.0#

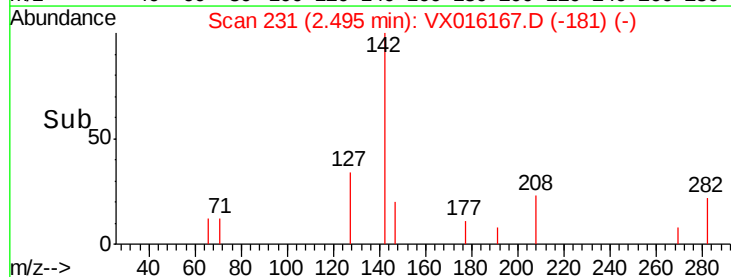
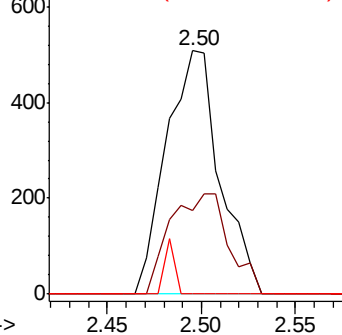
141 4.2 11.3 16.9#

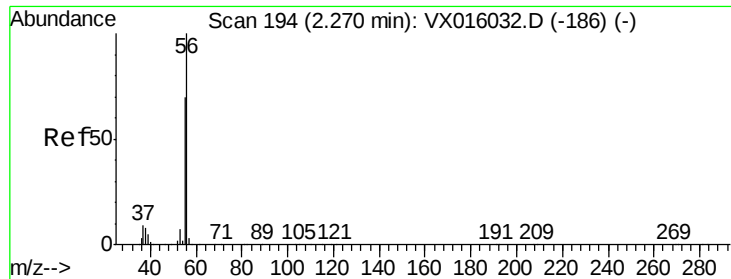


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

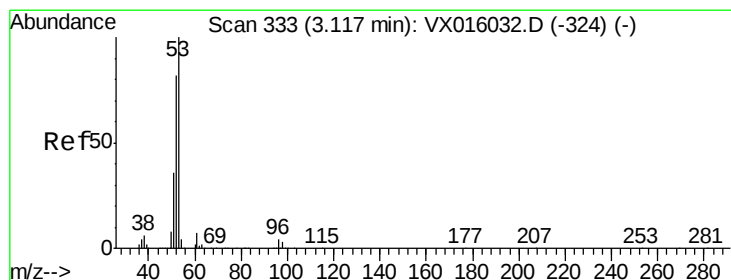
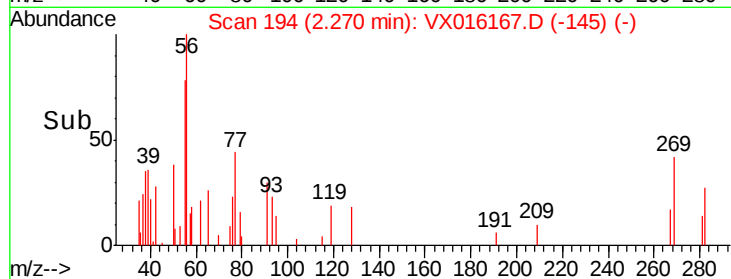
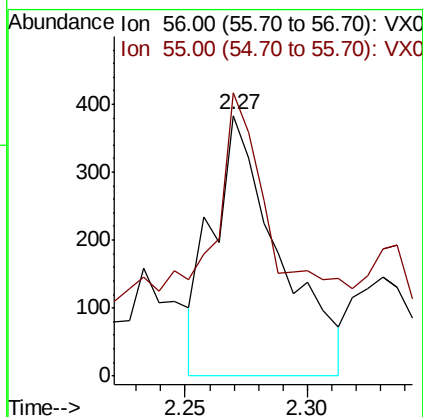
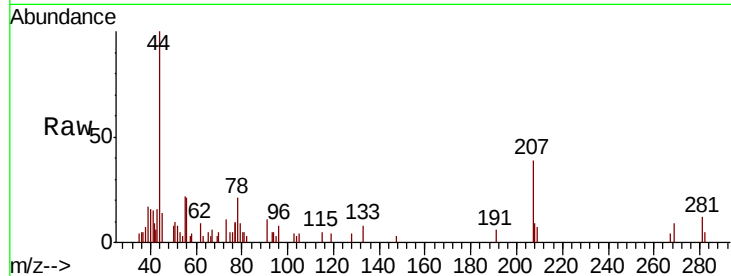




#13
Acrolein
Concen: 1.155 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

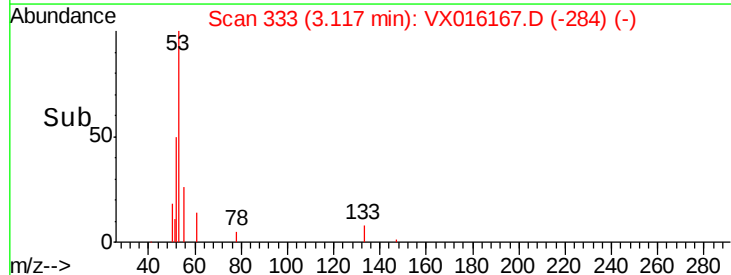
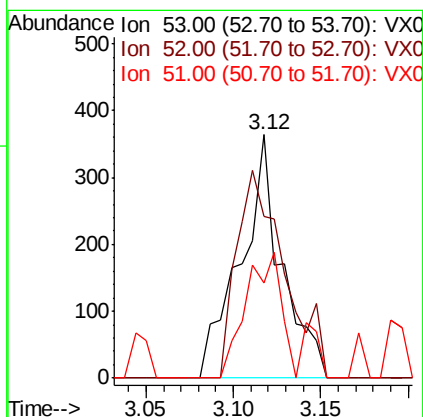
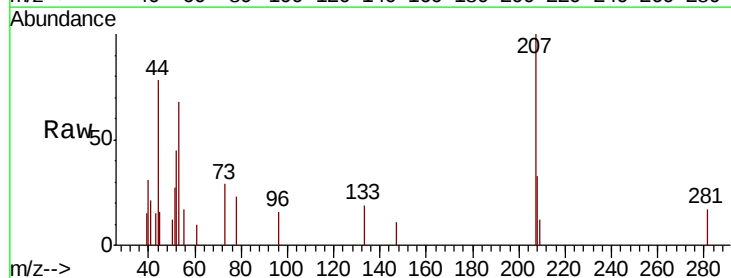
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

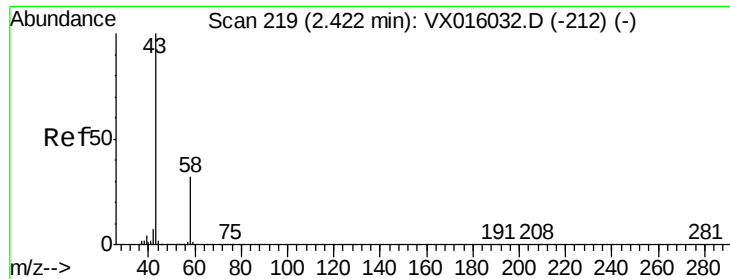
Tot Ion: 56 Resp: 720
Ion Ratio Lower Upper
56 100
55 46.5 56.5 84.7#



#15
Acrylonitrile
Concen: 0.288 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

Tgt Ion: 53 Resp: 596
Ion Ratio Lower Upper
53 100
52 99.7 66.1 99.1#
51 44.6 28.8 43.2#





#16

Acetone

Concen: 0.329 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

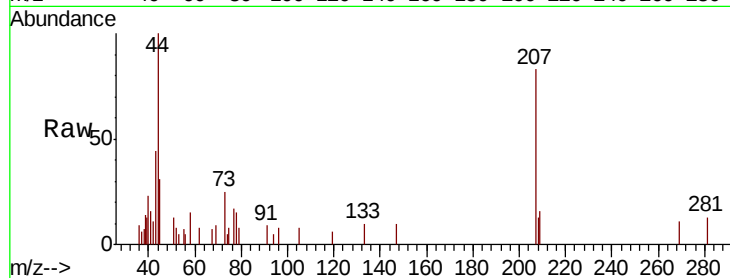
VX0513WBL01

Tot Ion: 43 Resp: 578

Ion Ratio Lower Upper

43 100

58 49.7 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

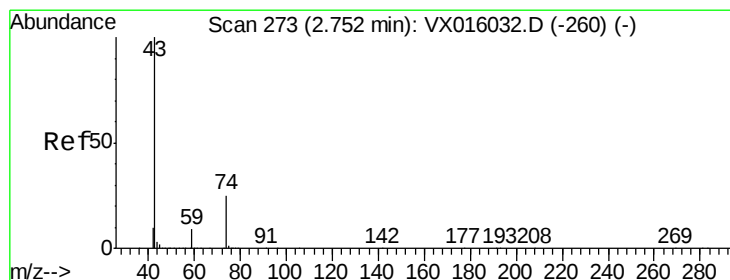
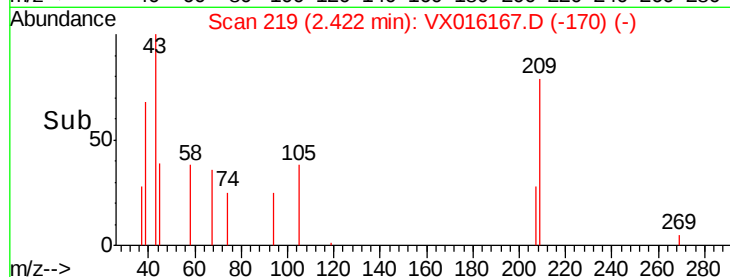
200

100

0

2.35 2.40 2.45

Time-->



#18

Methyl Acetate

Concen: 0.224 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016167.D

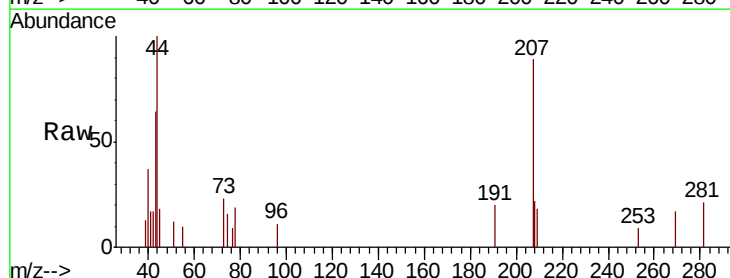
Acq: 13 May 2020 10:28

Tgt Ion: 43 Resp: 970

Ion Ratio Lower Upper

43 100

74 26.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

400

300

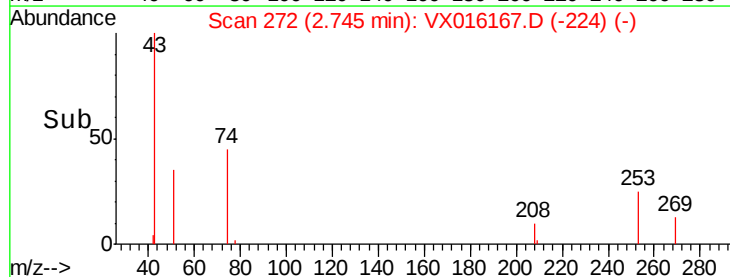
200

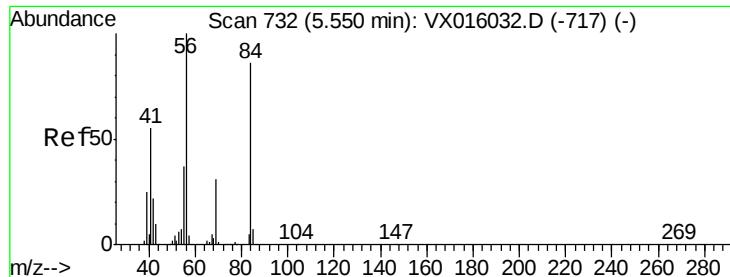
100

0

2.70 2.75 2.80

Time-->

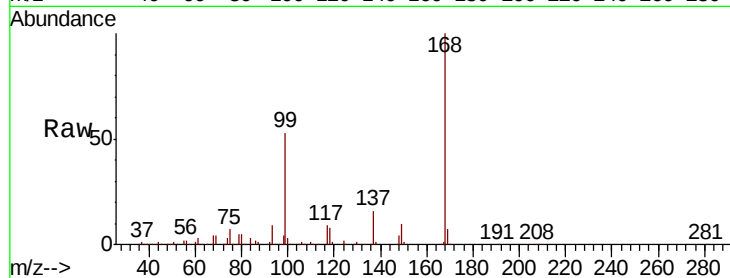




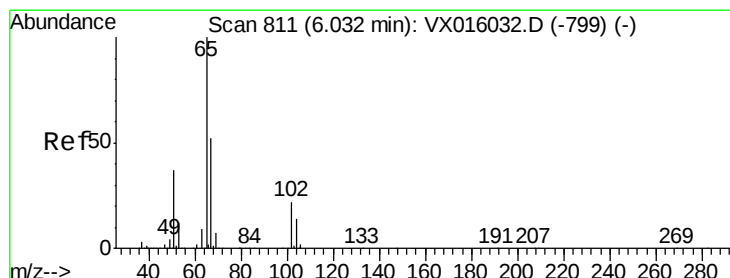
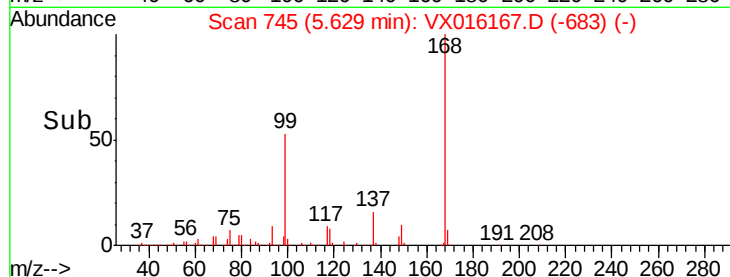
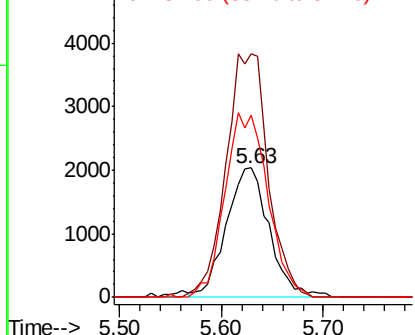
#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

Tot Ion: 56 Resp: 5977
Ion Ratio Lower Upper
56 100
69 188.5 25.0 37.6#
84 141.2 69.0 103.6#

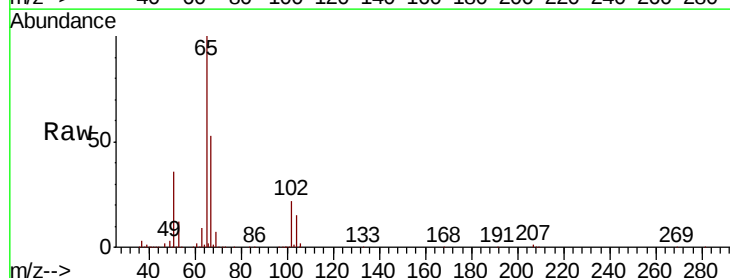


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

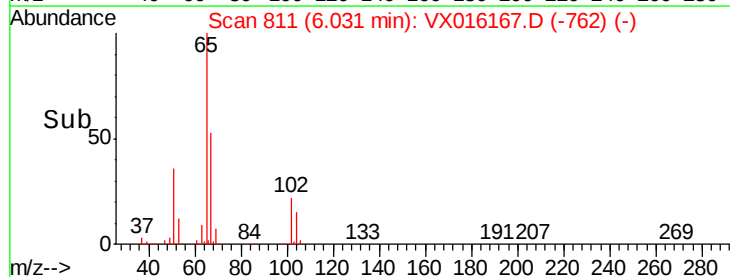
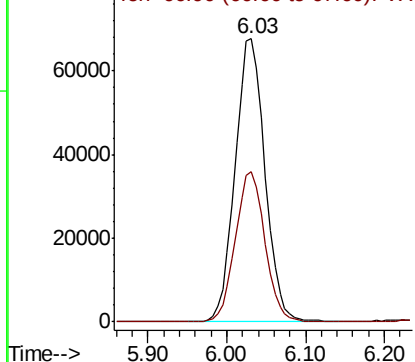


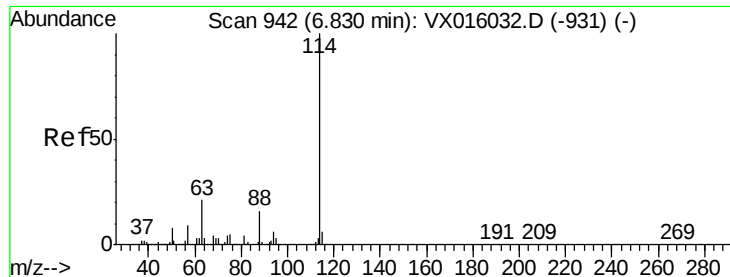
#33
1,2-Dichloroethane-d4
Concen: 45.243 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

Tgt Ion: 65 Resp: 178232
Ion Ratio Lower Upper
65 100
67 52.8 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

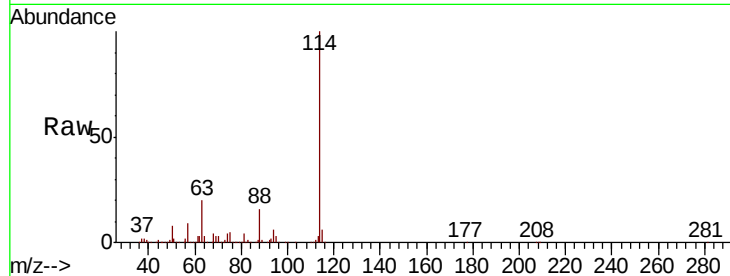
Tot Ion:114 Resp: 489467

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.8

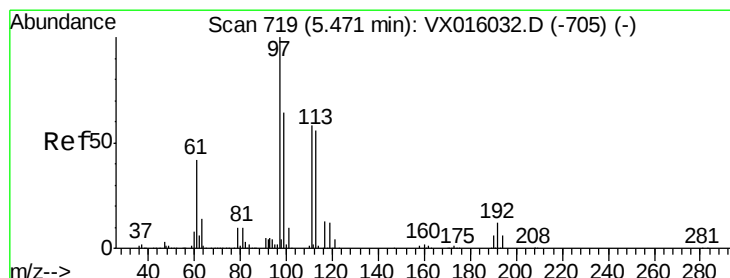
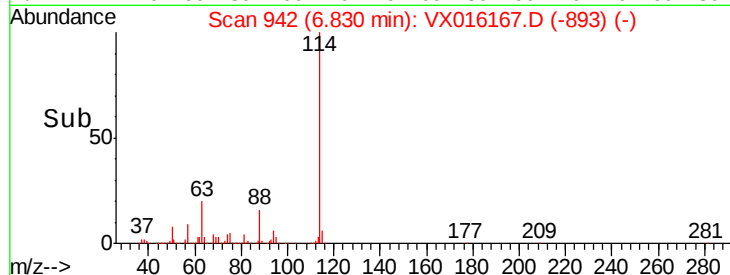
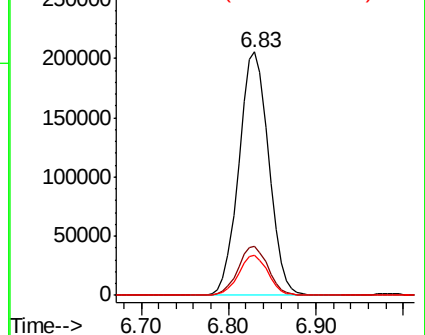
88 16.4 0.0 31.4



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: 46.075 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

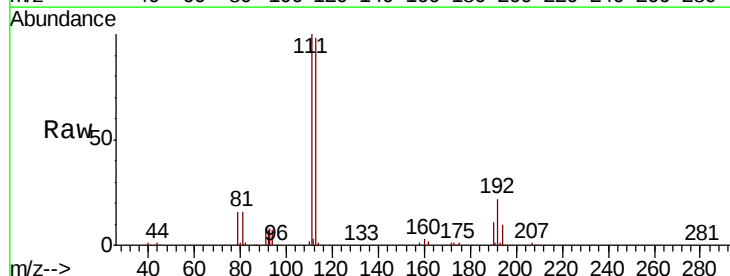
Tgt Ion:113 Resp: 142879

Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

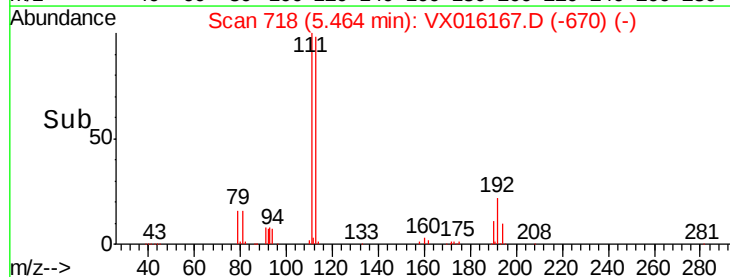
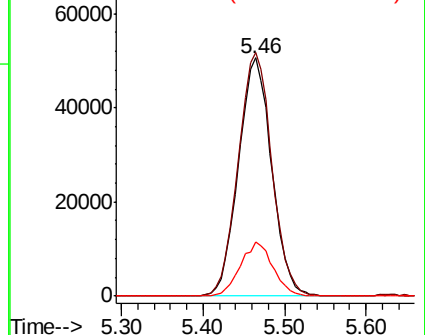
192 22.3 17.0 25.4

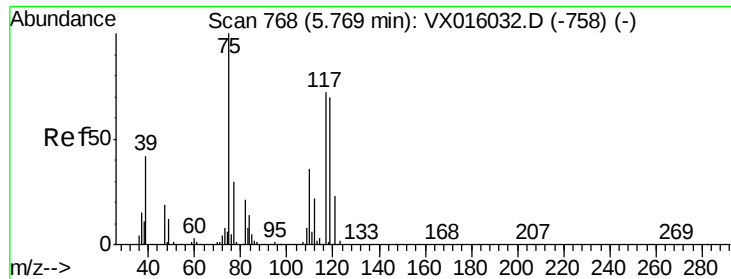


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

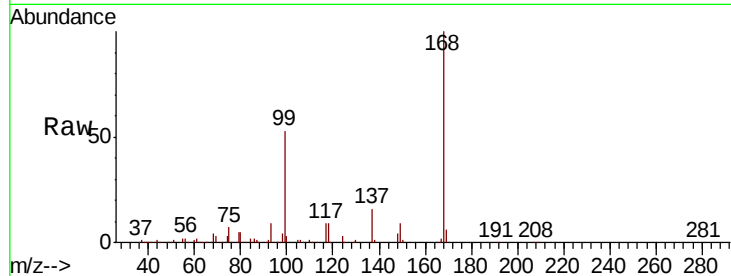
Tot Ion: 75 Resp: 22185

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

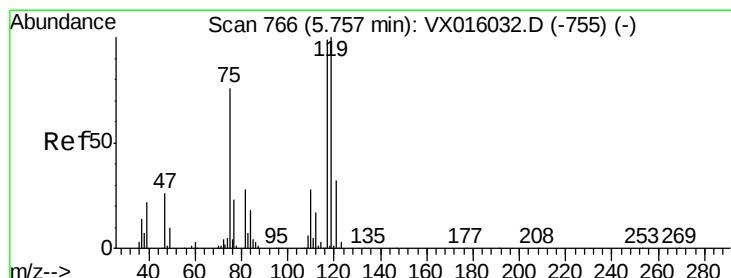
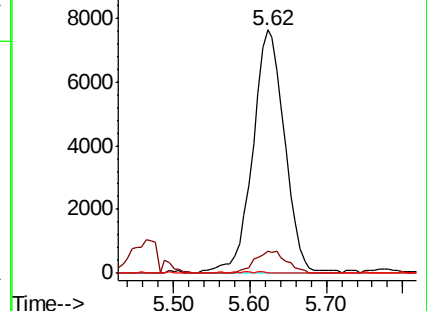
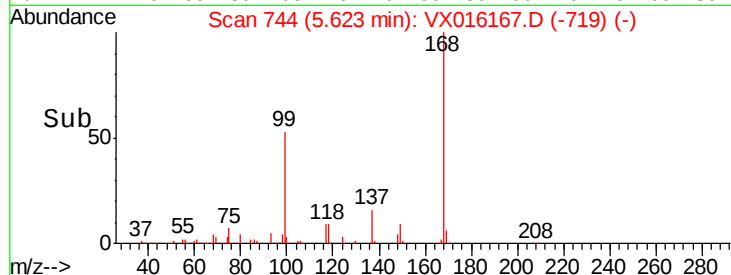
77 0.2 25.0 37.6#



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: 5.693 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

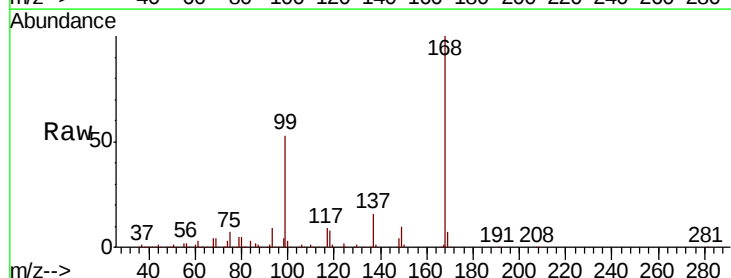
Tgt Ion: 117 Resp: 27881

Ion Ratio Lower Upper

117 100

119 5.7 80.3 120.5#

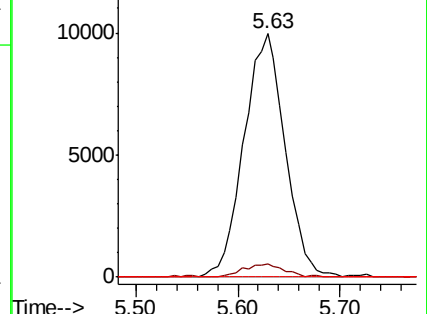
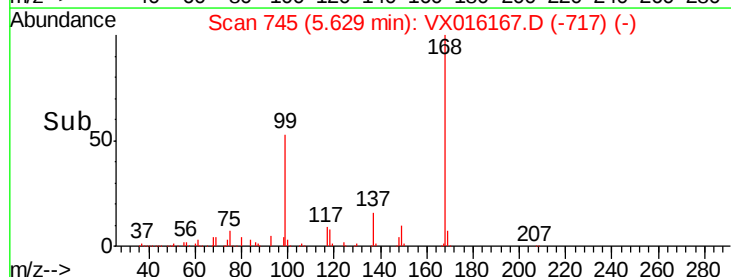
121 0.0 25.7 38.5#

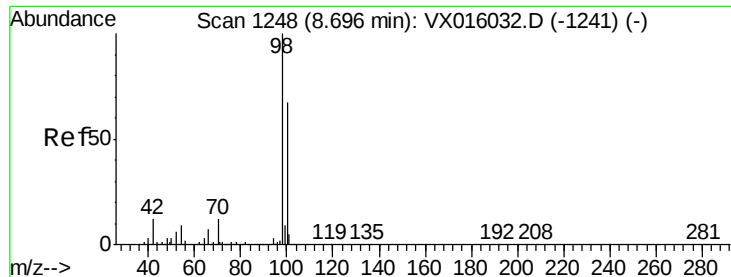


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

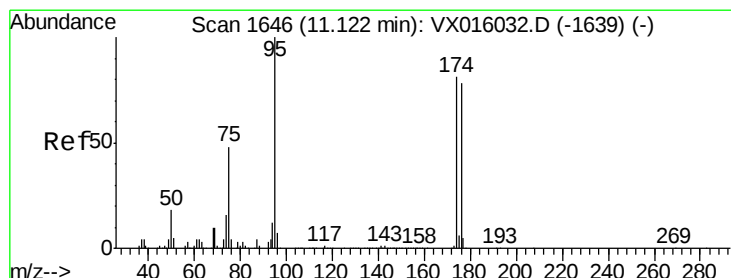
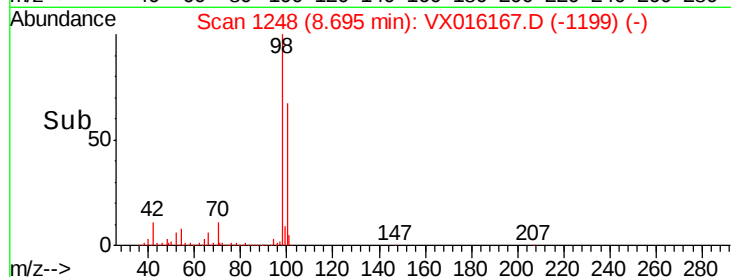
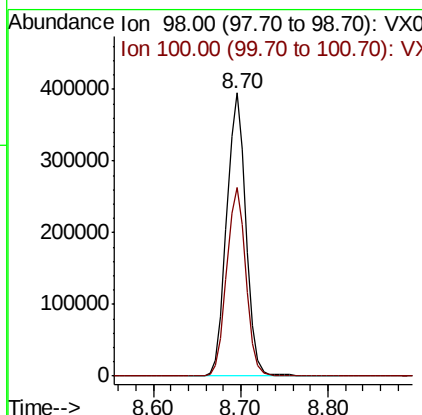
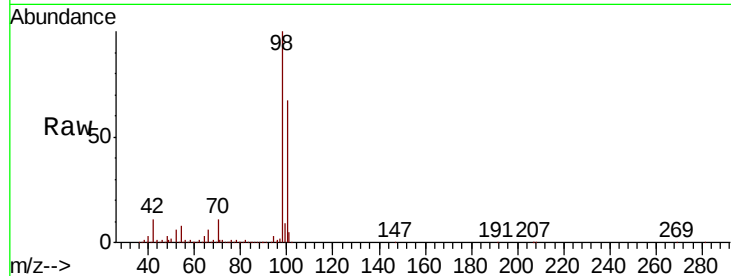




#50
Toluene-d8
Concen: 50.590 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

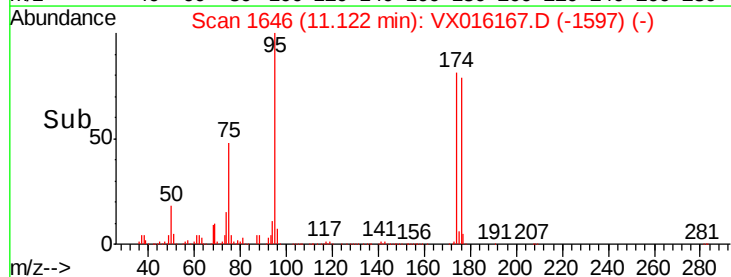
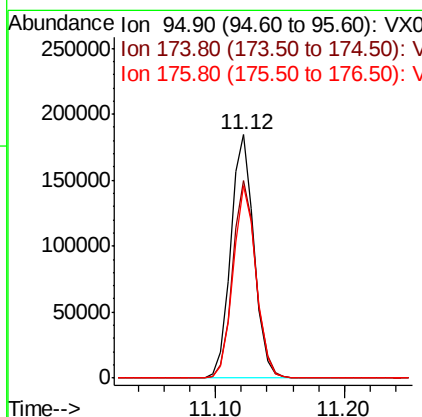
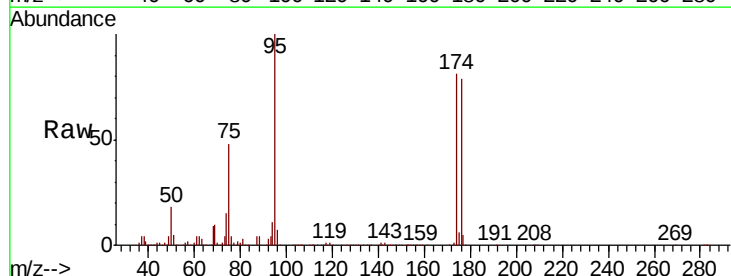
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

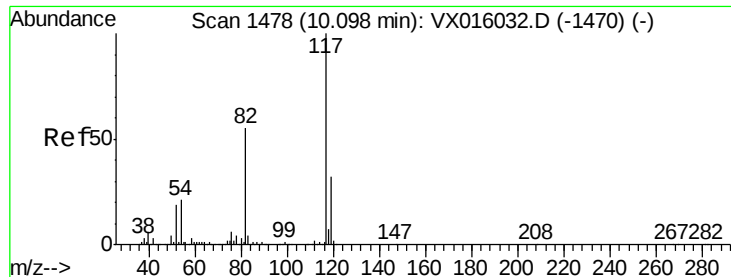
Tot Ion: 98 Resp: 604462
Ion Ratio Lower Upper
98 100
100 66.7 53.7 80.5



#62
4-Bromofluorobenzene
Concen: 51.227 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

Tgt Ion: 95 Resp: 232805
Ion Ratio Lower Upper
95 100
174 81.1 0.0 159.4
176 78.3 0.0 157.6

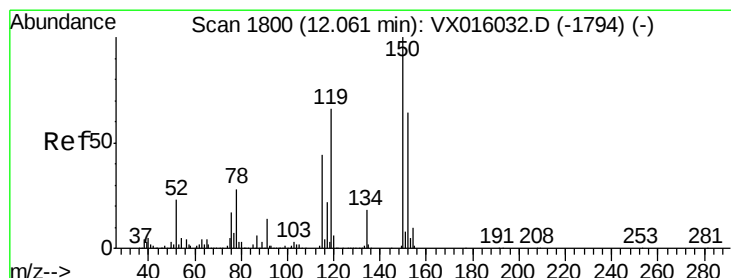
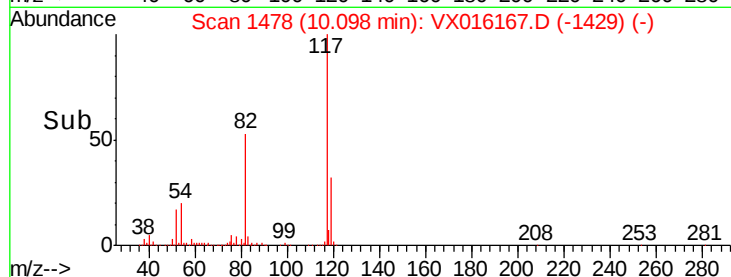
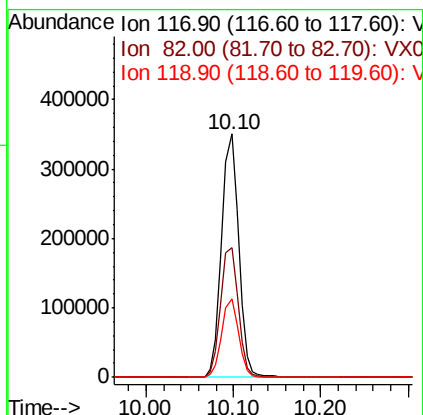
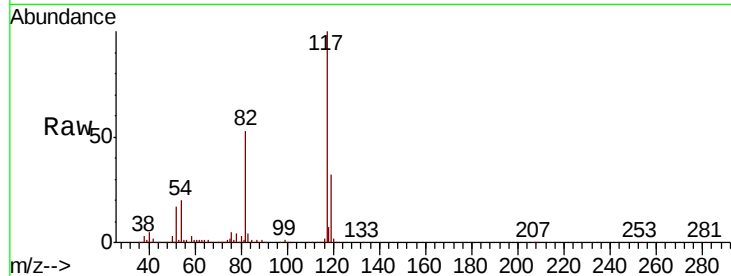




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

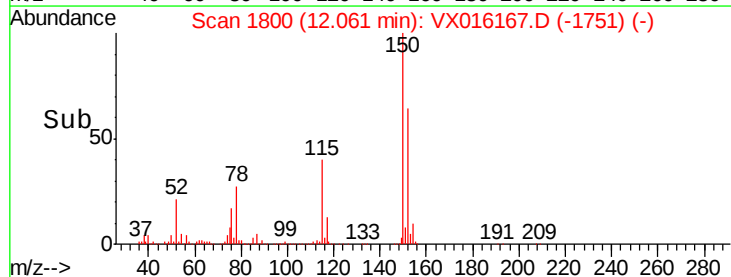
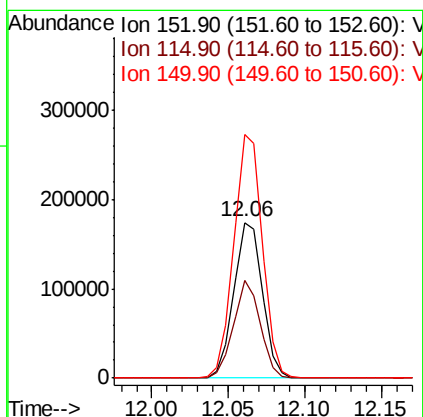
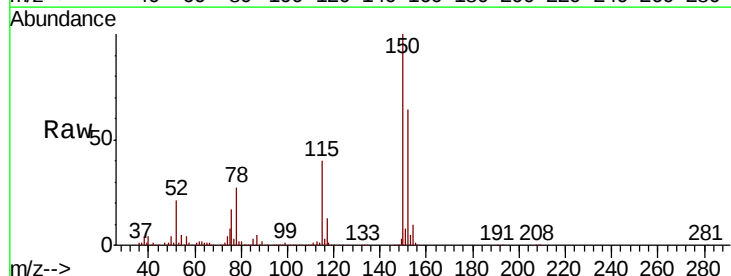
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

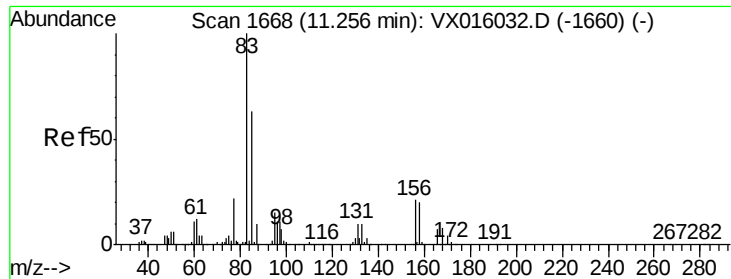
Tot Ion:117 Resp: 474323
Ion Ratio Lower Upper
117 100
82 53.2 44.4 66.6
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016167.D
Acq: 13 May 2020 10:28

Tgt Ion:152 Resp: 225933
Ion Ratio Lower Upper
152 100
115 58.9 41.3 124.1
150 156.2 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.115 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

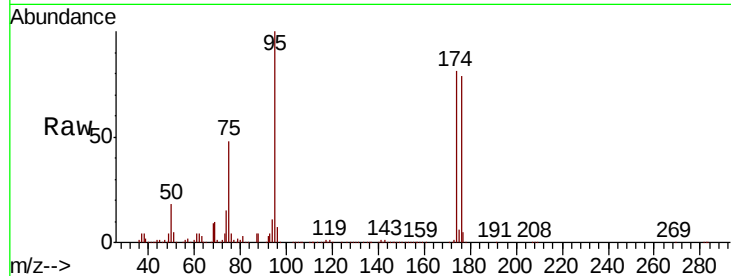
Tot Ion: 83 Resp: 203

Ion Ratio Lower Upper

83 100

131 188.7 5.1 15.4#

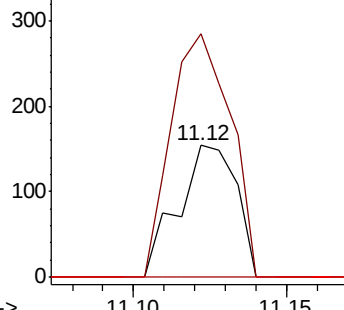
85 0.0 32.0 96.0#



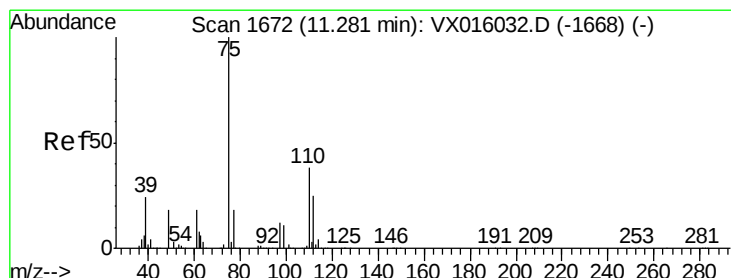
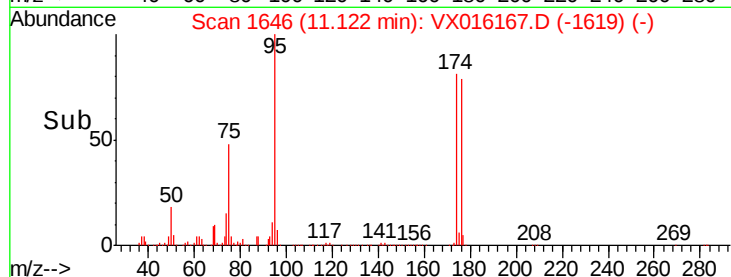
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.114 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016167.D

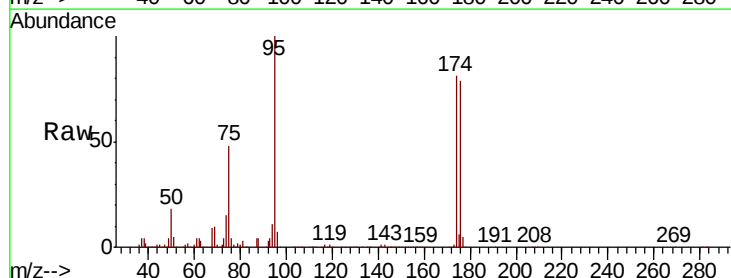
Acq: 13 May 2020 10:28

Tgt Ion: 75 Resp: 113375

Ion Ratio Lower Upper

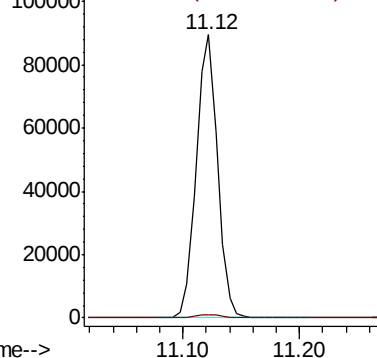
75 100

77 1.4 21.2 63.6#

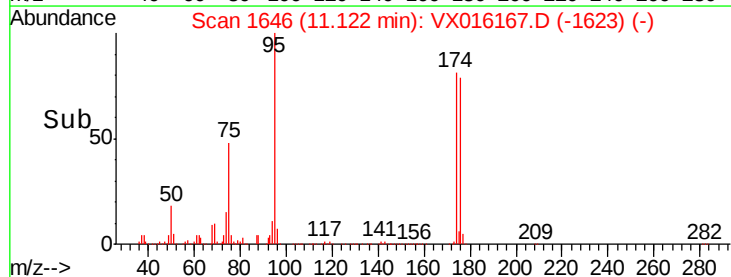


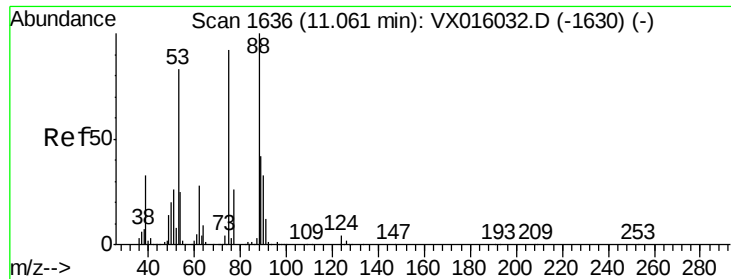
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.698 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

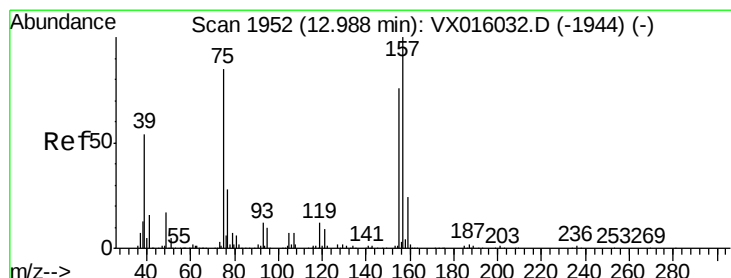
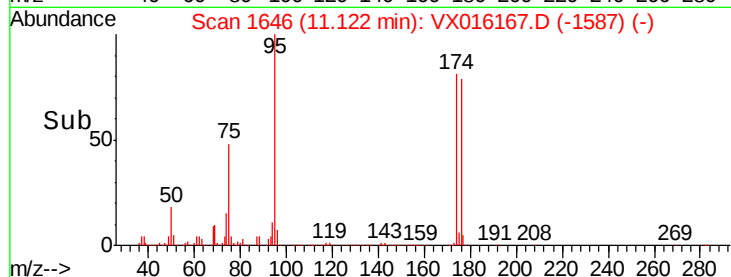
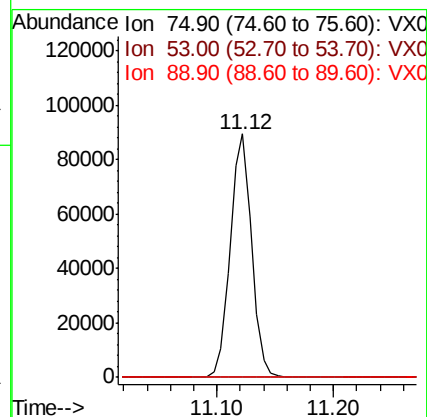
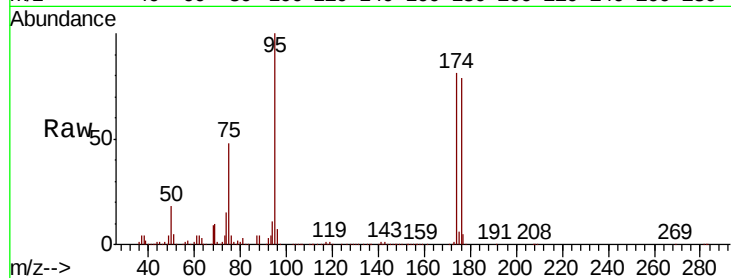
Tot Ion: 75 Resp: 113375

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.206 ug/l

RT: 13.04 min Scan# 1961

Delta R.T. 0.05 min

Lab File: VX016167.D

Acq: 13 May 2020 10:28

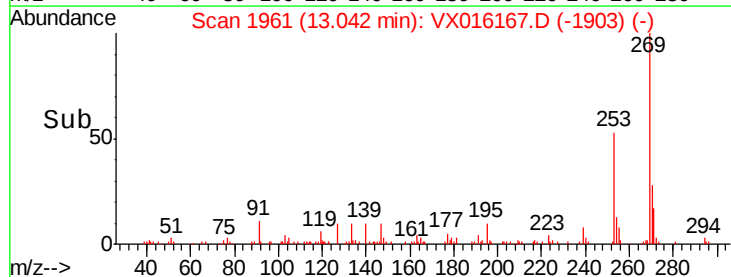
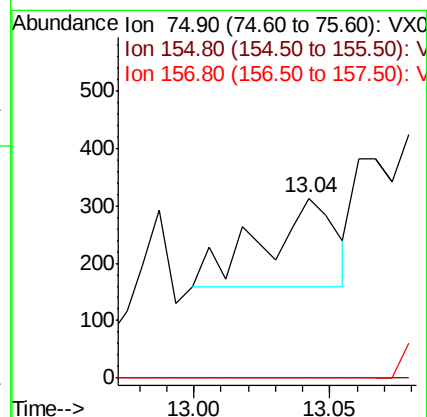
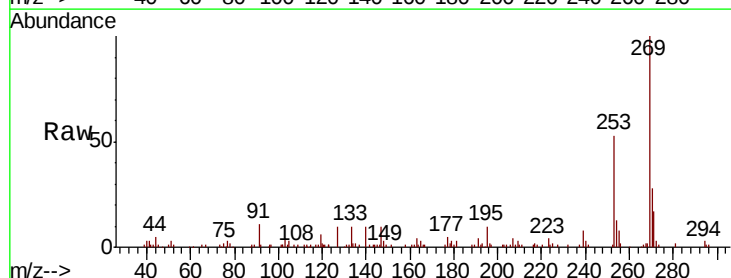
Tgt Ion: 75 Resp: 278

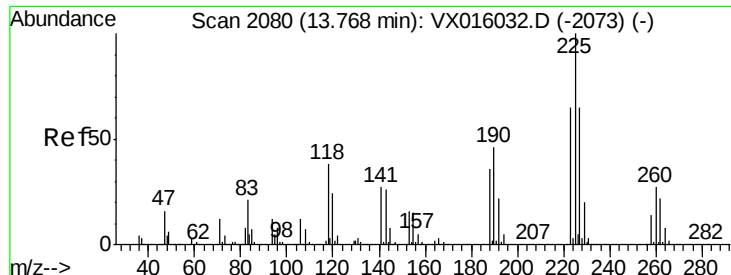
Ion Ratio Lower Upper

75 100

155 0.0 42.5 127.5#

157 0.0 55.3 165.8#





#94
 Hexachlorobutadiene
 Concen: 0.697 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016167.D
 Acq: 13 May 2020 10:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL01

Tot Ion	Ratio	Lower	Upper
225	100		
223	67.2	32.3	96.9
227	73.1	31.8	95.4

