

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016517.D
 Acq On : 01 Jun 2020 10:27
 Operator : JC/SP
 Sample : VX0601WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0601WBL01

Quant Time: Jun 02 01:45:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	333443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	526796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	522444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	243913	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	188704	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
35) Dibromofluoromethane	5.46	113	152326	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	8.70	98	657727	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	11.12	95	256025	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

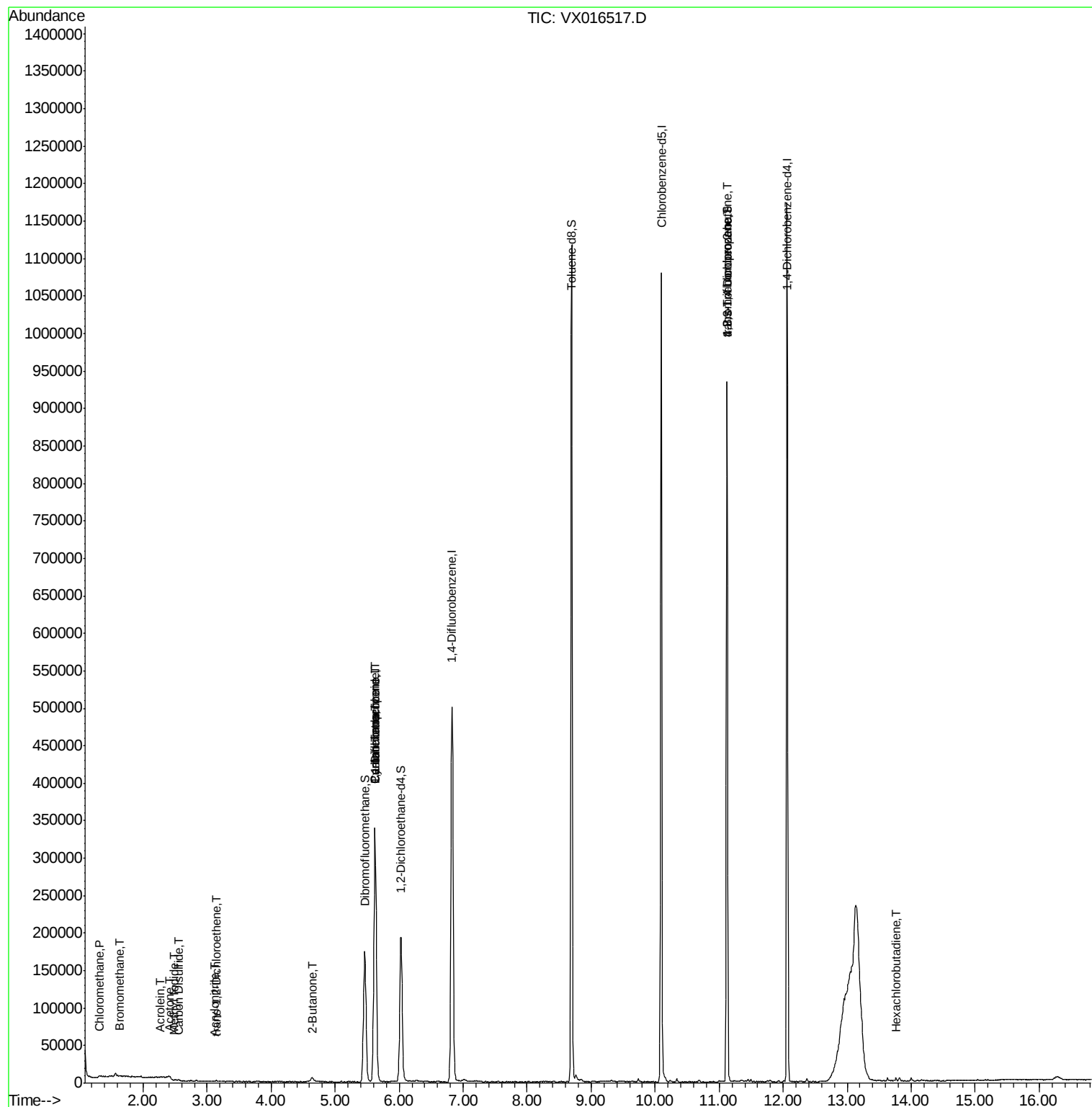
Target Compounds				Qvalue		
3) Chloromethane	1.31	50	967	0.244	ug/l	97
5) Bromomethane	1.64	94	833	0.409	ug/l	94
10) Methyl Iodide	2.50	142	908	3.291	ug/l #	78
13) Acrolein	2.27	56	577	1.277	ug/l #	80
15) Acrylonitrile	3.12	53	782	0.360	ug/l #	88
16) Acetone	2.42	43	950	0.524	ug/l #	79
17) Carbon Disulfide	2.56	76	2414	0.253	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	710	0.200	ug/l #	30
25) 2-Butanone	4.64	43	634	0.206	ug/l #	49
31) Cyclohexane	5.63	56	6046	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24026	4.817	ug/l #	51
38) Carbon Tetrachloride	5.62	117	31821	6.071	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	125012	23.317	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	125012	57.357	ug/l #	14
94) Hexachlorobutadiene	13.77	225	696	0.359	ug/l	90

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060120\
Data File : VX016517.D
Acq On : 01 Jun 2020 10:27
Operator : JC/SP
Sample : VX0601WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0601WBL01

Quant Time: Jun 02 01:45:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

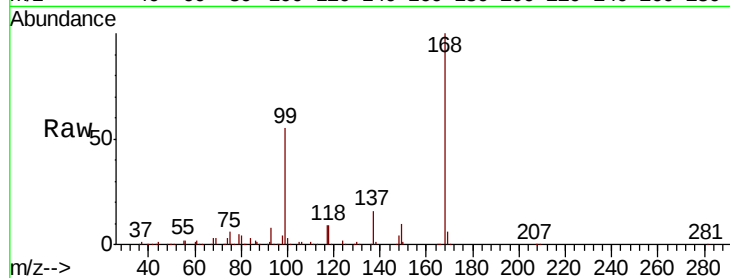
VX0601WBL01

Tot Ion:168 Resp: 333443

Ion Ratio Lower Upper

168 100

99 54.5 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

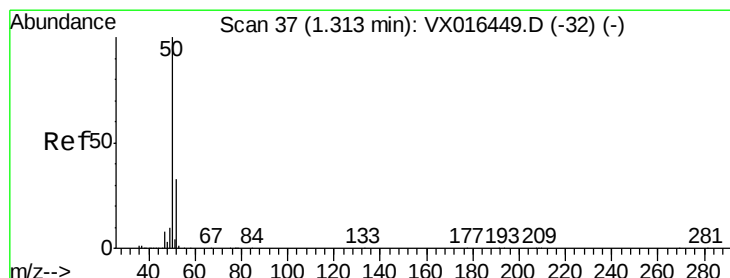
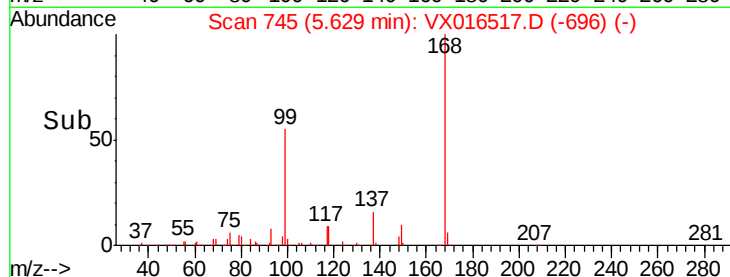
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016517.D

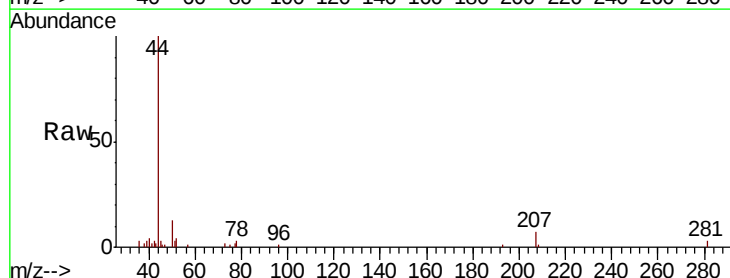
Acq: 01 Jun 2020 10:27

Tgt Ion: 50 Resp: 967

Ion Ratio Lower Upper

50 100

52 30.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

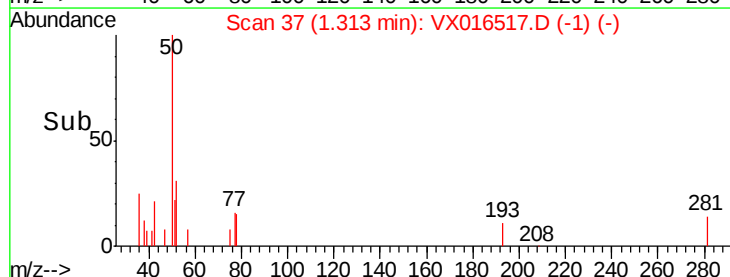
400

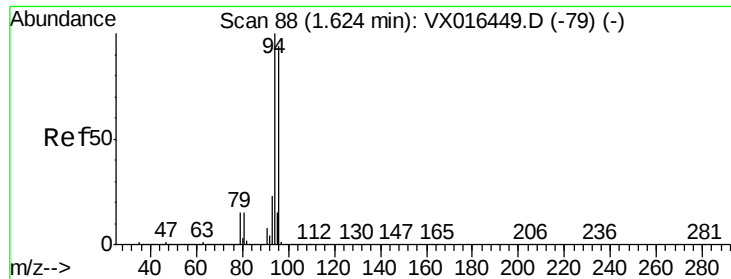
200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 0.409 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

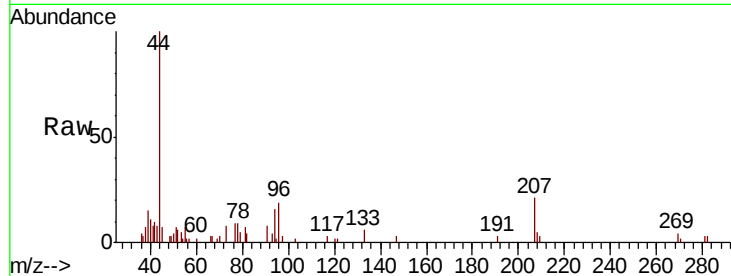
VX0601WBL01

Tot Ion: 94 Resp: 833

Ion Ratio Lower Upper

94 100

96 99.8 75.1 112.7

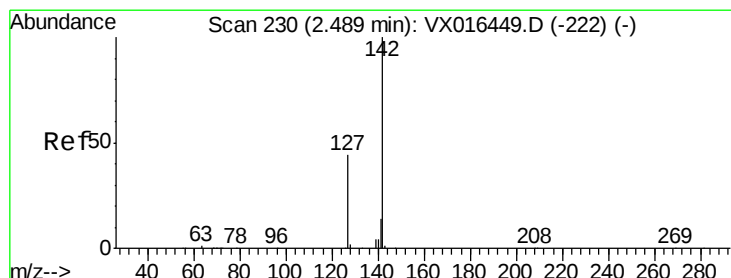
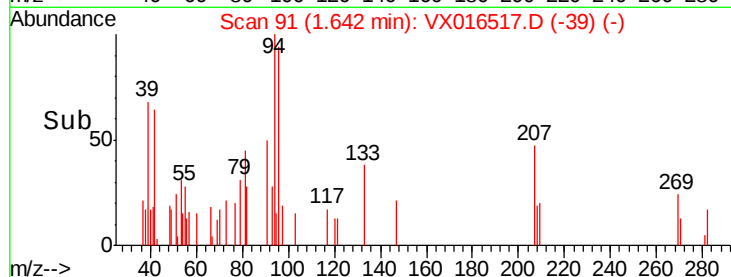


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

Time-->



#10

Methyl Iodide

Concen: 3.291 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

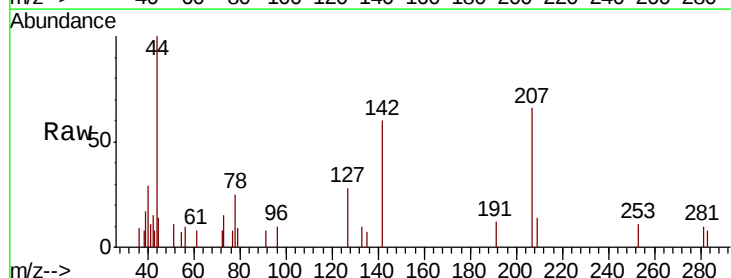
Tgt Ion: 142 Resp: 908

Ion Ratio Lower Upper

142 100

127 57.3 35.3 52.9#

141 2.9 11.4 17.2#



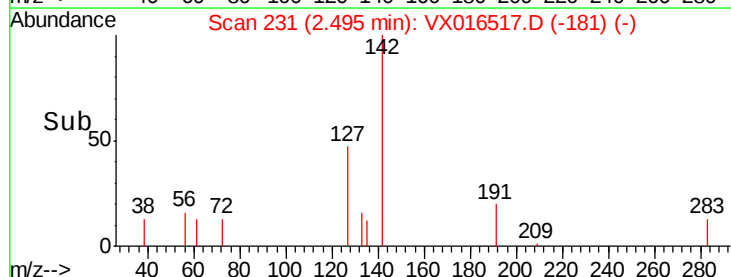
Abundance Ion 141.80 (141.50 to 142.50): V

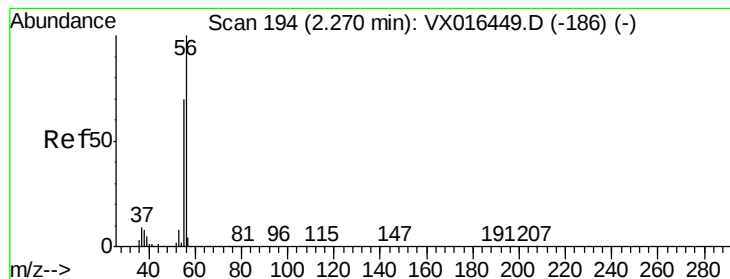
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

Time-->





#13

Acrolein

Concen: 1.277 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampled :

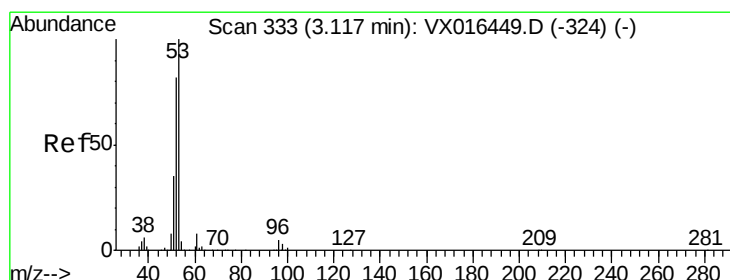
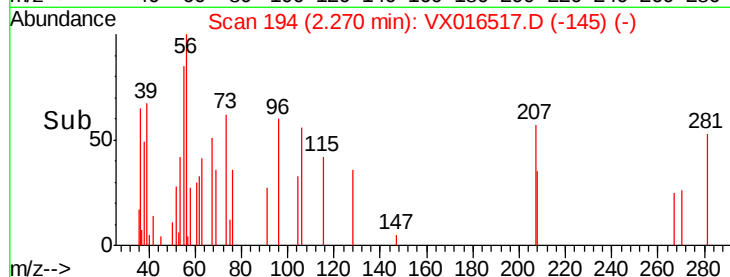
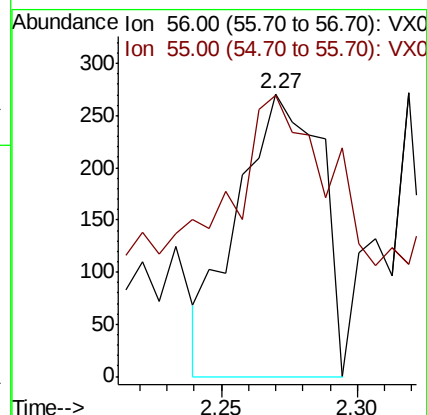
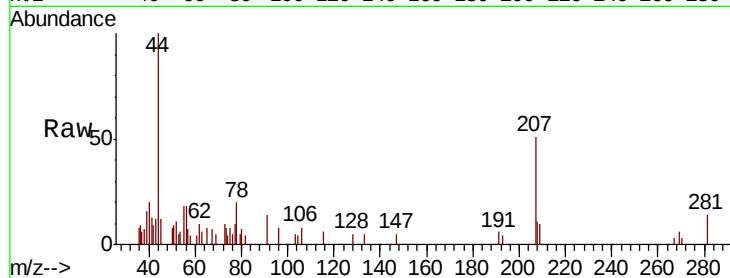
VX0601WBL01

Tot Ion: 56 Resp: 577

Ion Ratio Lower Upper

56 100

55 56.0 58.3 87.5#



#15

Acrylonitrile

Concen: 0.360 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

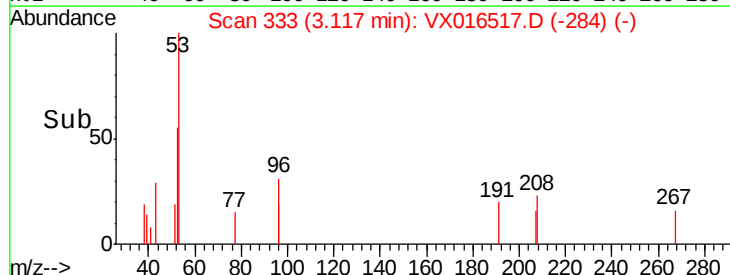
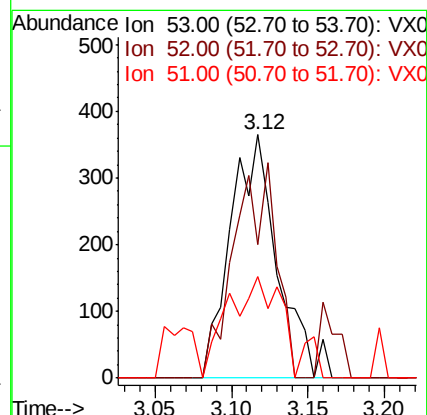
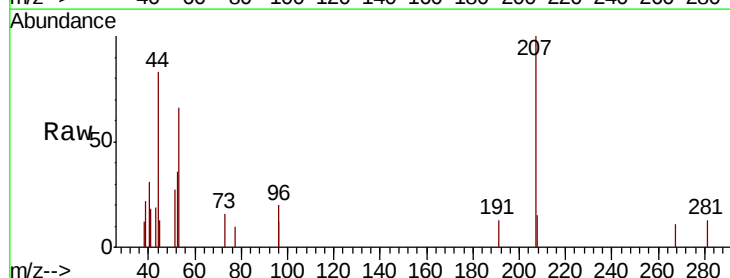
Tgt Ion: 53 Resp: 782

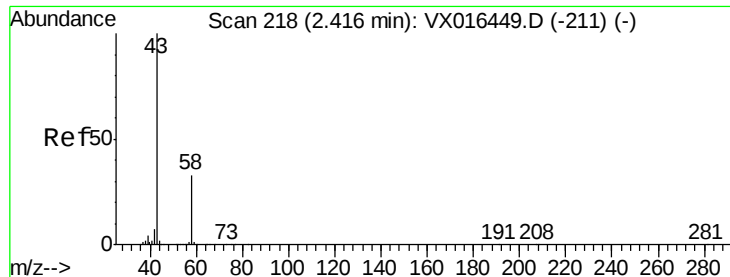
Ion Ratio Lower Upper

53 100

52 78.4 66.7 100.1

51 51.3 28.6 43.0#





#16

Acetone

Concen: 0.524 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampled :

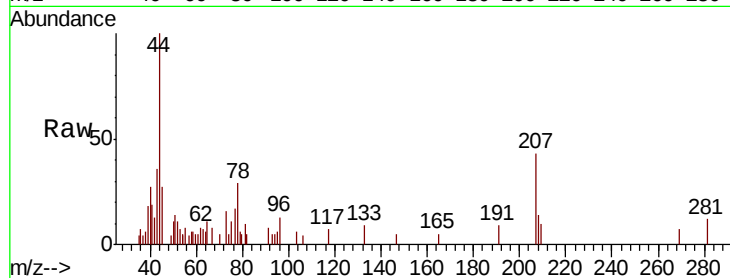
VX0601WBL01

Tot Ion: 43 Resp: 950

Ion Ratio Lower Upper

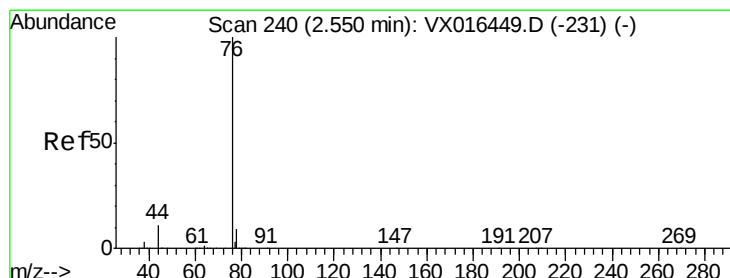
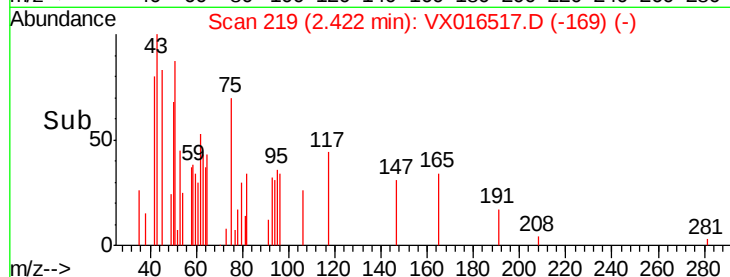
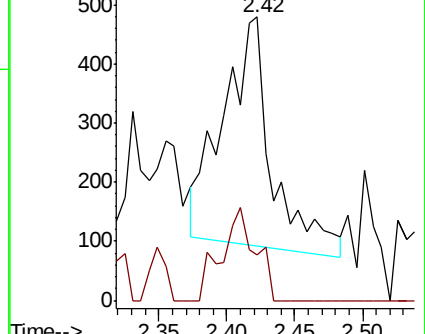
43 100

58 20.8 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016517.D

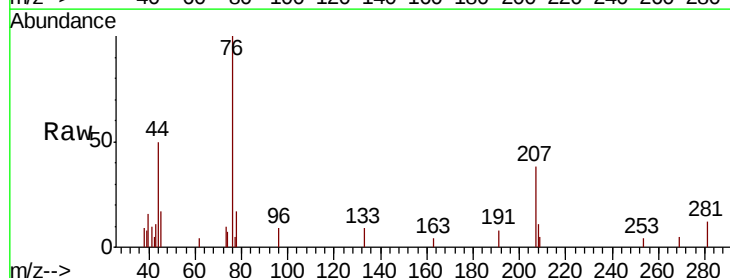
Acq: 01 Jun 2020 10:27

Tgt Ion: 76 Resp: 2414

Ion Ratio Lower Upper

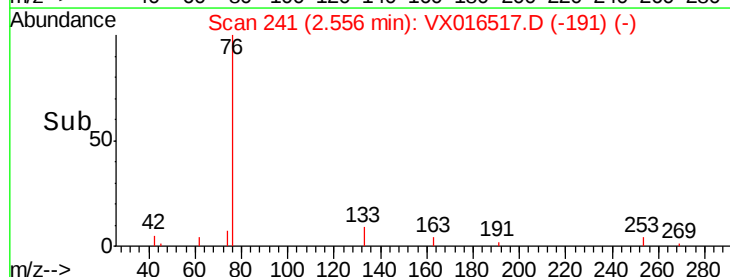
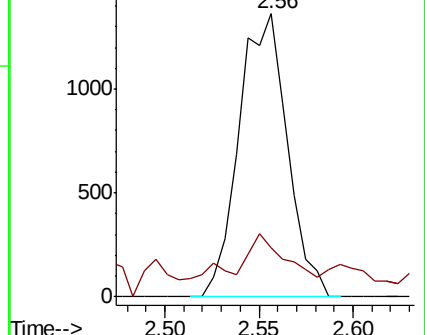
76 100

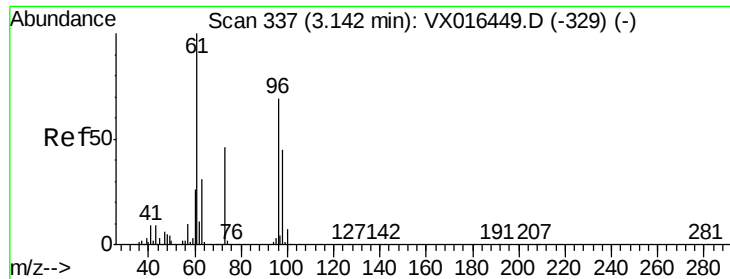
78 10.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.200 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0601WBL01

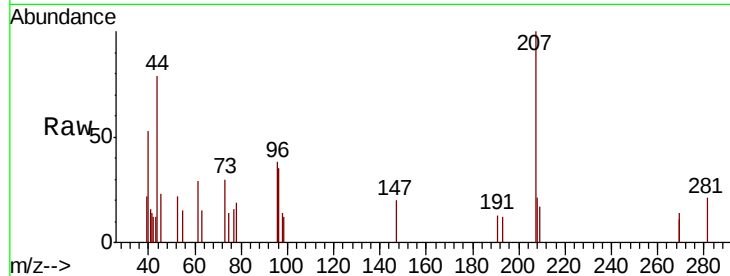
Tot Ion: 96 Resp: 710

Ion Ratio Lower Upper

96 100

61 38.8 115.3 172.9#

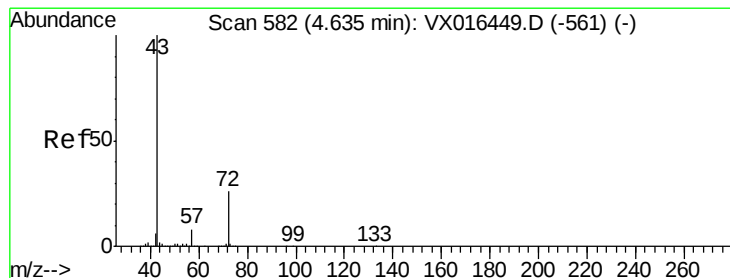
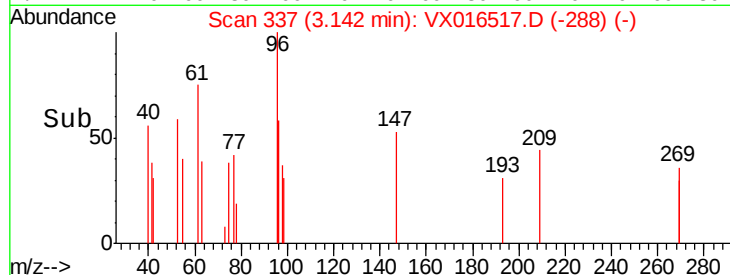
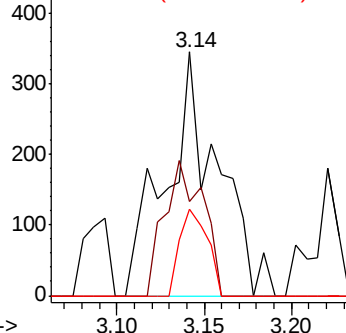
98 35.4 51.9 77.9#



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



#25

2-Butanone

Concen: 0.206 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016517.D

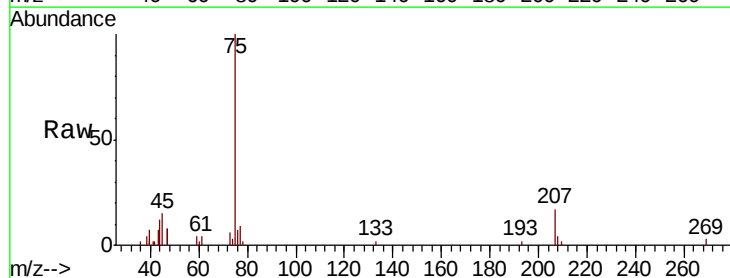
Acq: 01 Jun 2020 10:27

Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

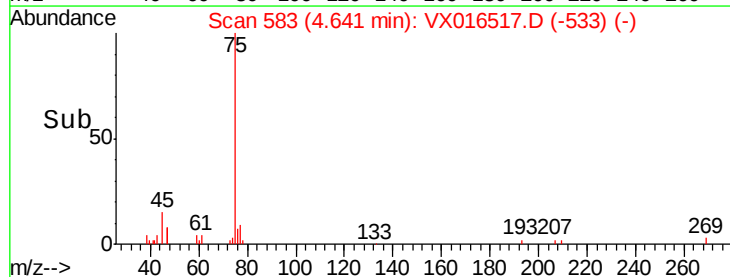
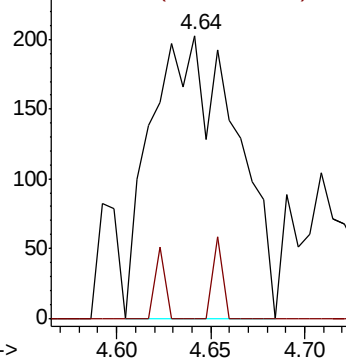
43 100

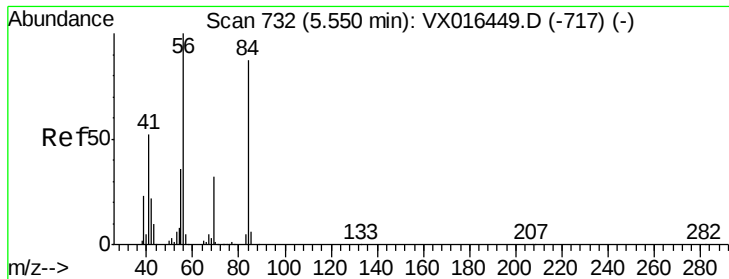
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

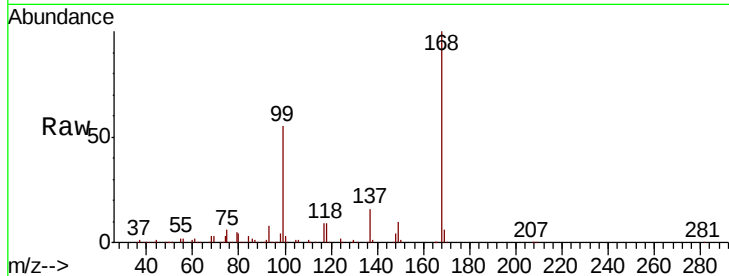




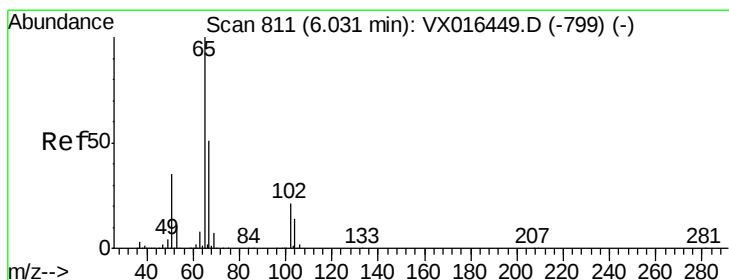
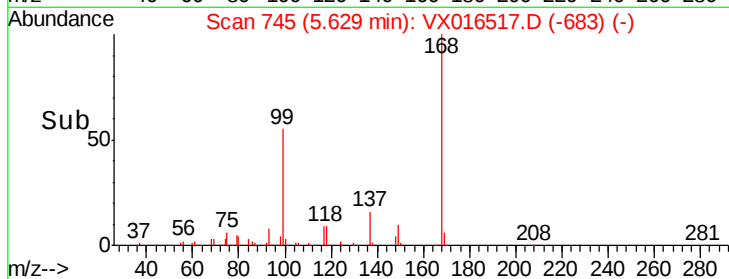
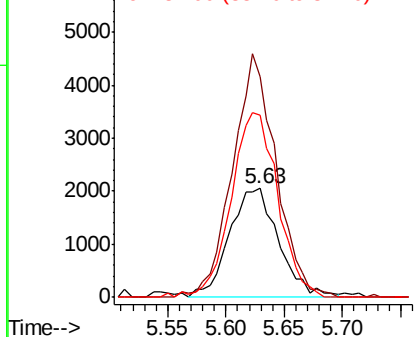
#31
Cyclohexane
Concen: 1.050 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016517.D
Acq: 01 Jun 2020 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX0601WBL01

Tot Ion: 56 Resp: 6046
Ion Ratio Lower Upper
56 100
69 203.0 25.7 38.5#
84 167.6 70.0 105.0#

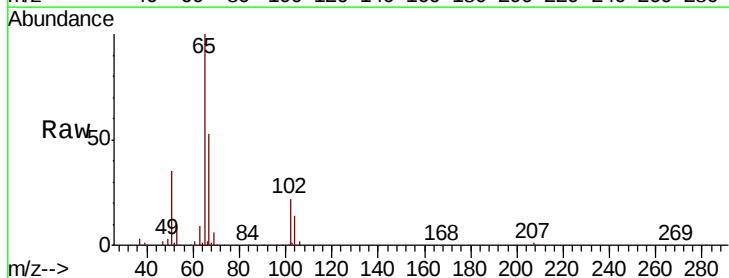


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

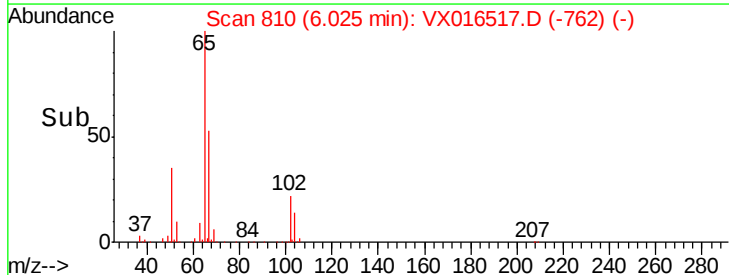
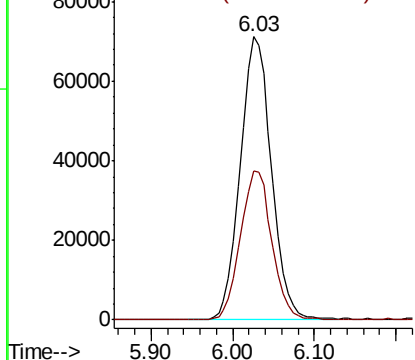


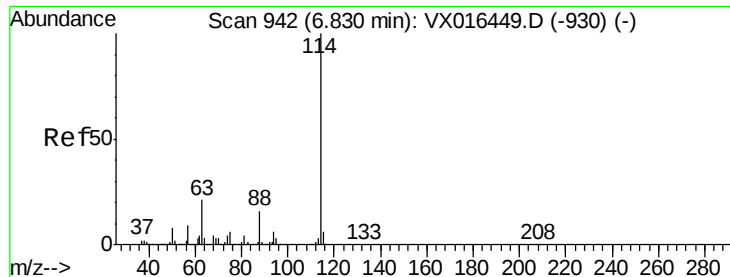
#33
1,2-Dichloroethane-d4
Concen: 45.570 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX016517.D
Acq: 01 Jun 2020 10:27

Tgt Ion: 65 Resp: 188704
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: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0601WBL01

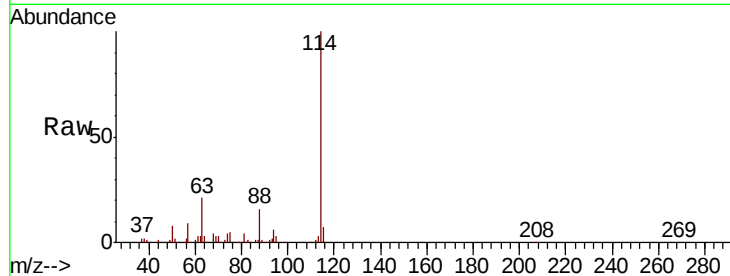
Tot Ion:114 Resp: 526796

Ion Ratio Lower Upper

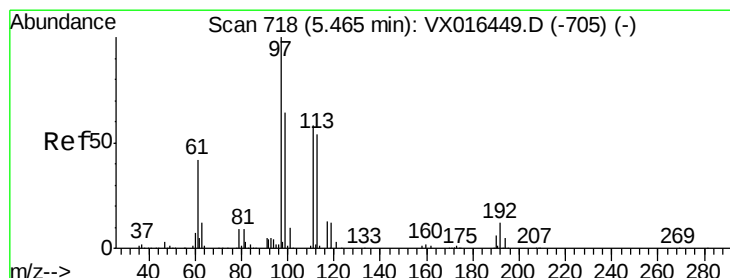
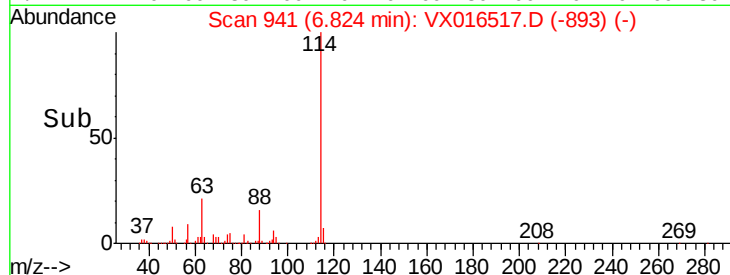
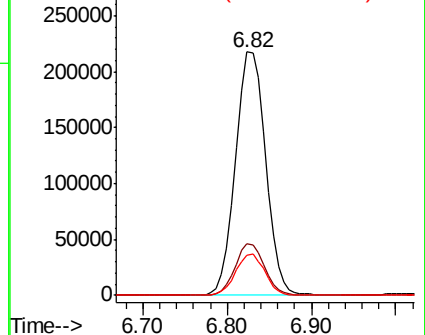
114 100

63 21.4 0.0 42.6

88 16.4 0.0 32.8



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: 46.960 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

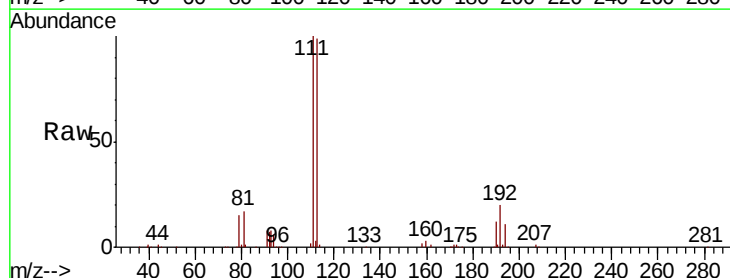
Tgt Ion:113 Resp: 152326

Ion Ratio Lower Upper

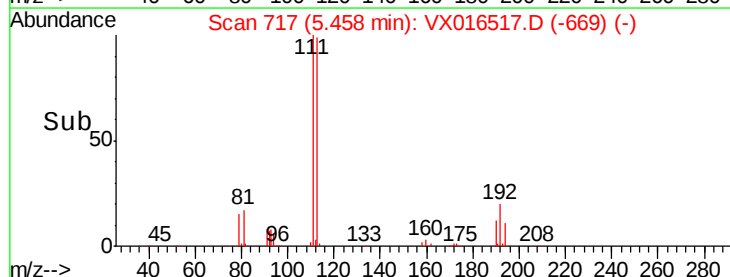
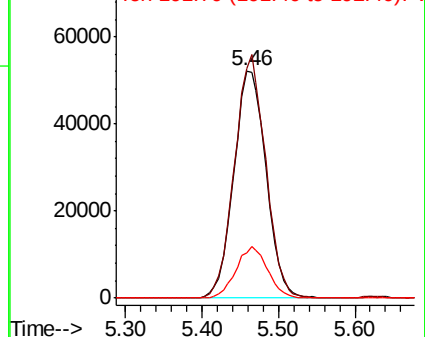
113 100

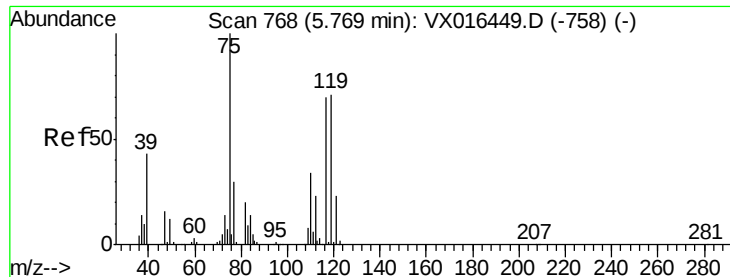
111 103.0 83.0 124.6

192 22.3 17.7 26.5



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: 4.817 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0601WBL01

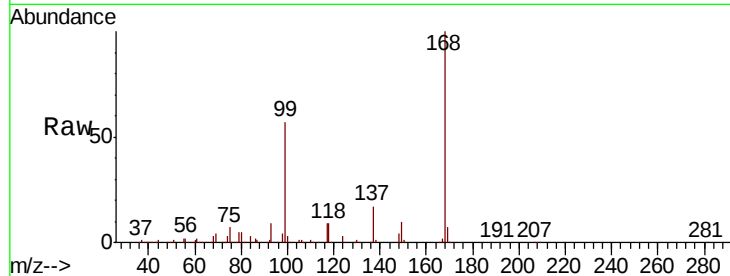
Tot Ion: 75 Resp: 24026

Ion Ratio Lower Upper

75 100

110 9.9 17.4 52.3#

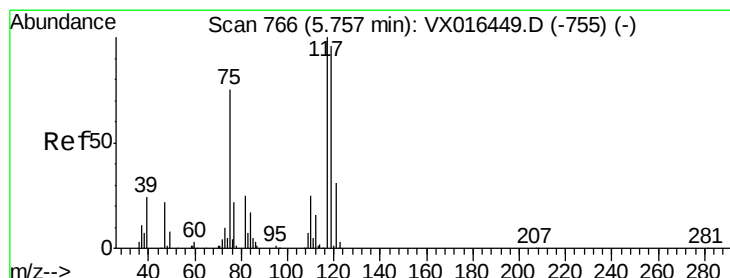
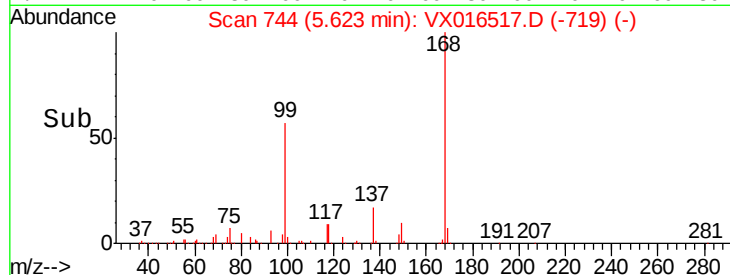
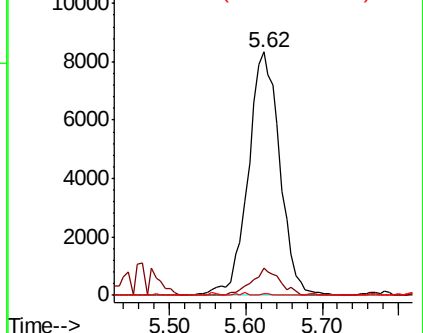
77 0.2 24.2 36.4#



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: 6.071 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

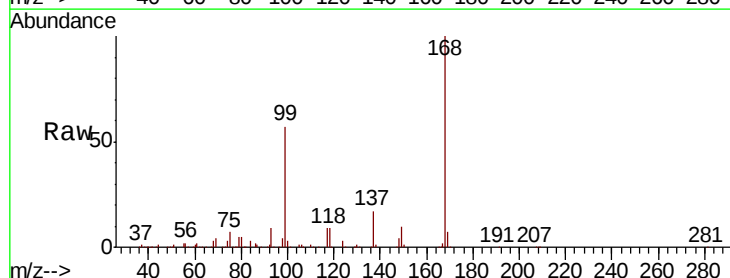
Tgt Ion: 117 Resp: 31821

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

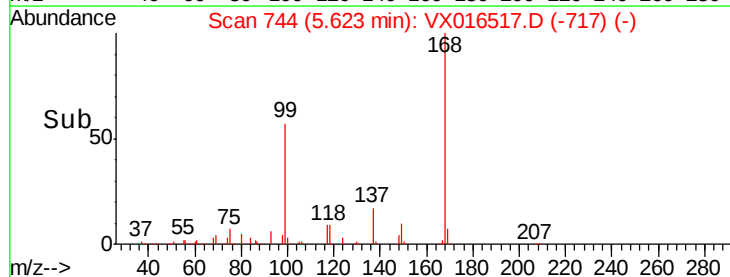
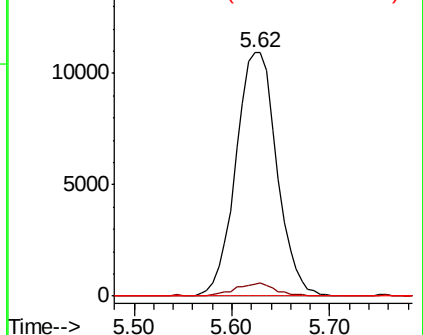
121 0.0 24.6 37.0#

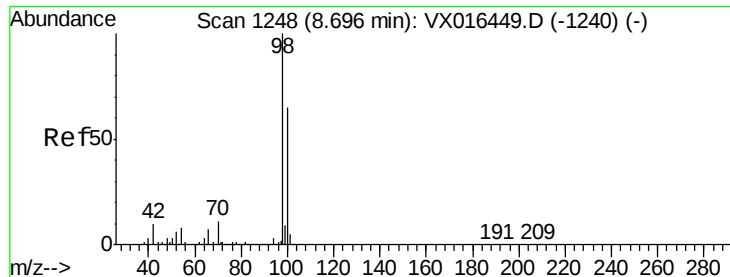


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

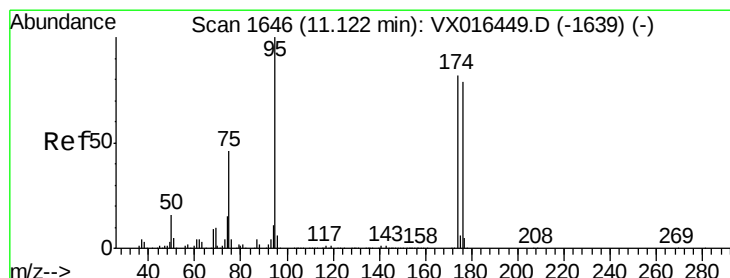
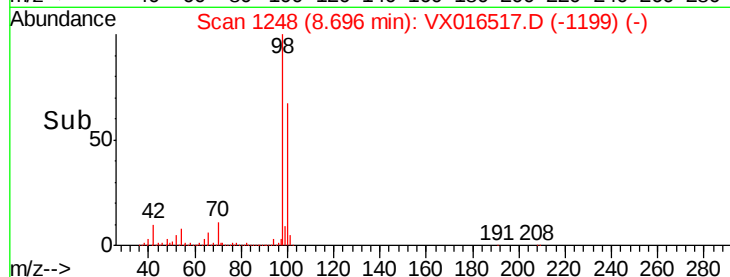
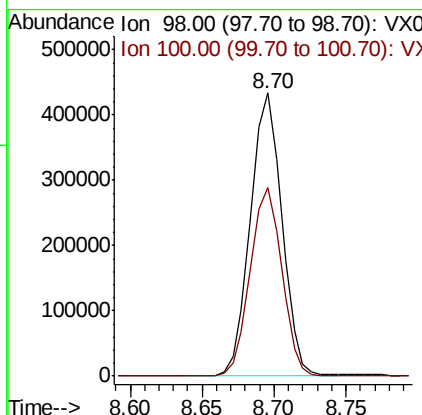
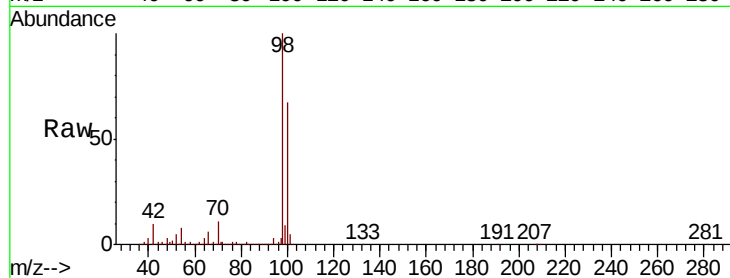




#50
Toluene-d8
Concen: 52.096 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016517.D
Acq: 01 Jun 2020 10:27

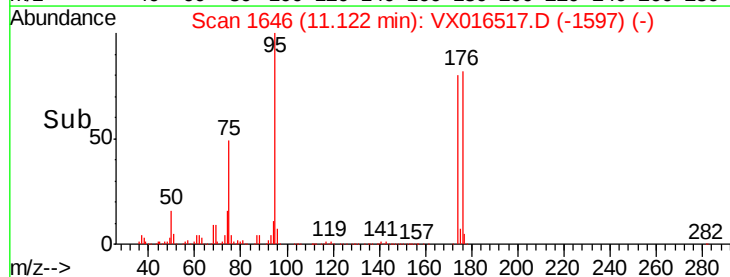
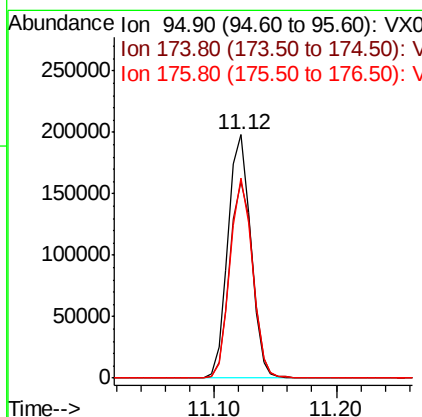
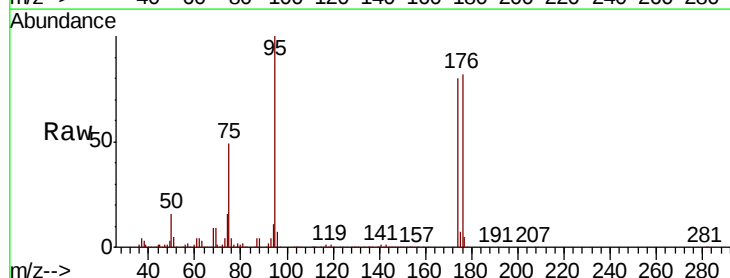
Instrument :
MSVOA_X
ClientSampleId :
VX0601WBL01

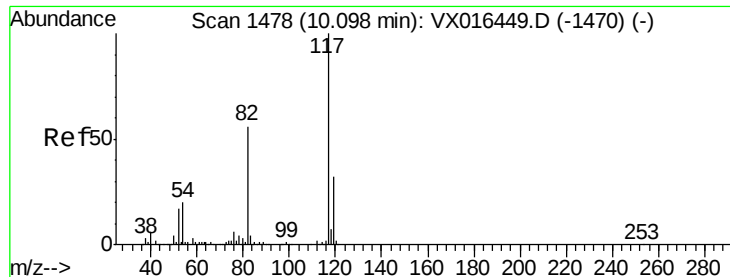
Tot Ion: 98 Resp: 657727
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 52.482 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016517.D
Acq: 01 Jun 2020 10:27

Tgt Ion: 95 Resp: 256025
Ion Ratio Lower Upper
95 100
174 81.9 0.0 163.0
176 80.5 0.0 156.8

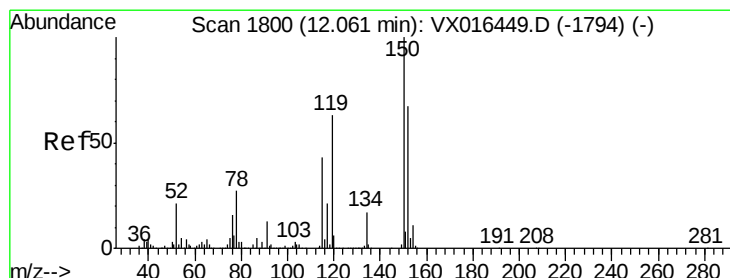
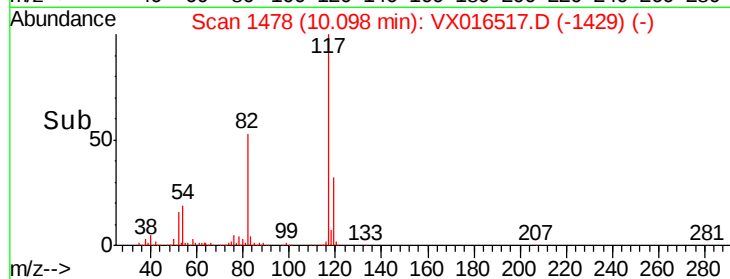
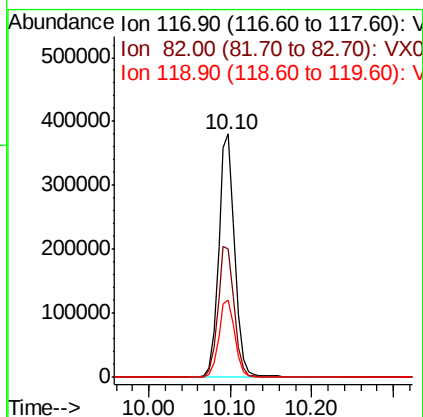
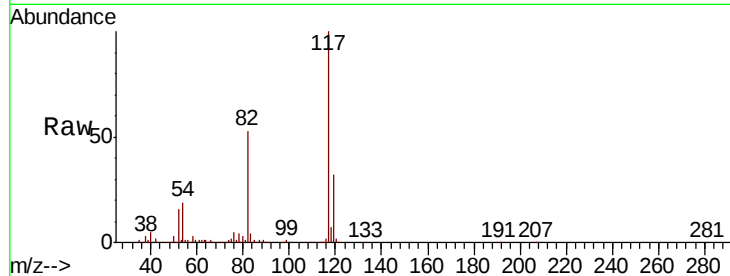




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016517.D
Acq: 01 Jun 2020 10:27

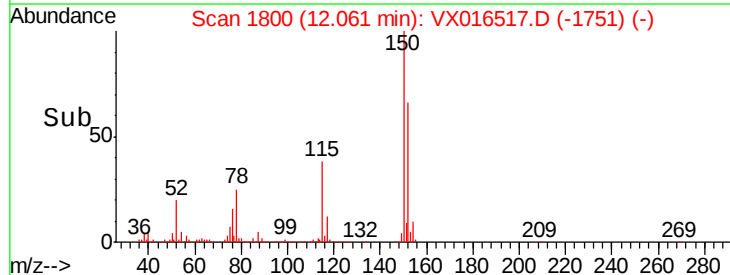
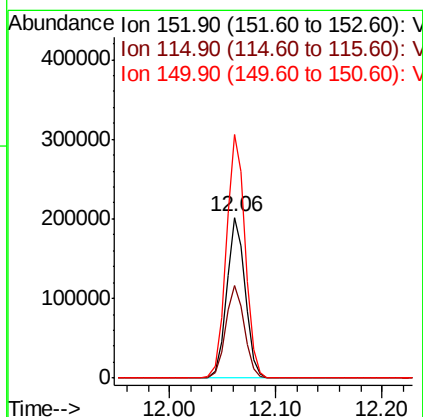
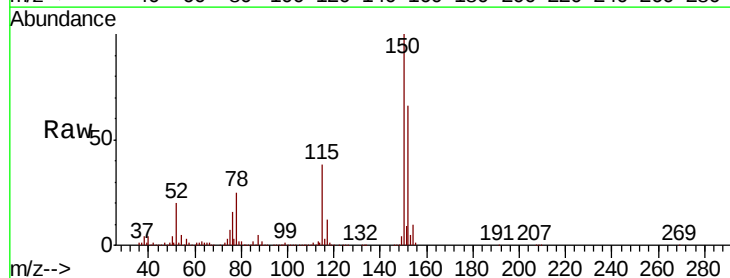
Instrument :
MSVOA_X
ClientSampleId :
VX0601WBL01

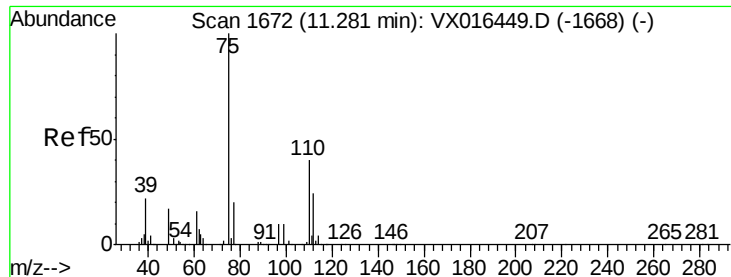
Tot Ion:117 Resp: 522444
Ion Ratio Lower Upper
117 100
82 52.9 45.0 67.6
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016517.D
Acq: 01 Jun 2020 10:27

Tgt Ion:152 Resp: 243913
Ion Ratio Lower Upper
152 100
115 58.7 39.9 119.6
150 154.3 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 23.317 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

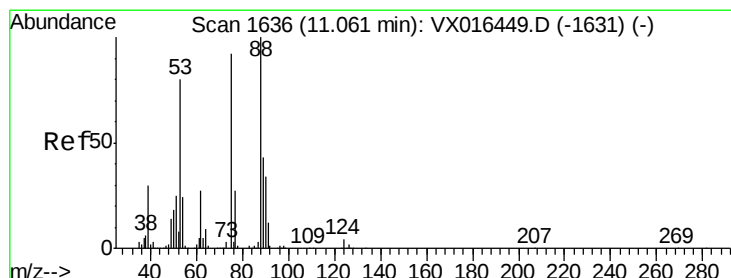
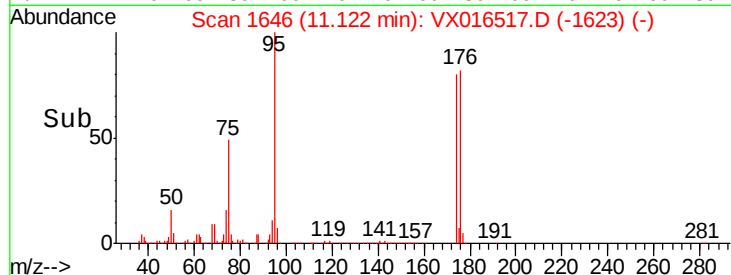
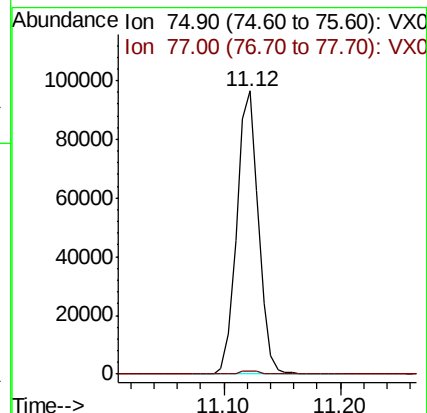
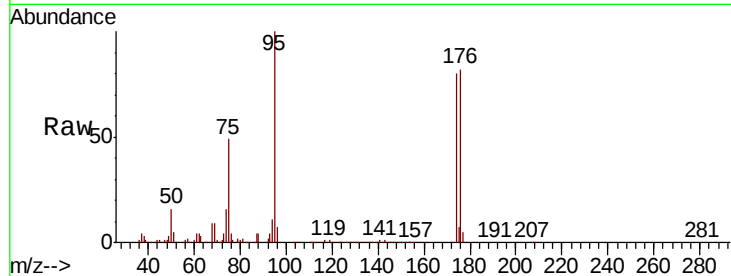
VX0601WBL01

Tot Ion: 75 Resp: 125012

Ion Ratio Lower Upper

75 100

77 1.1 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.357 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

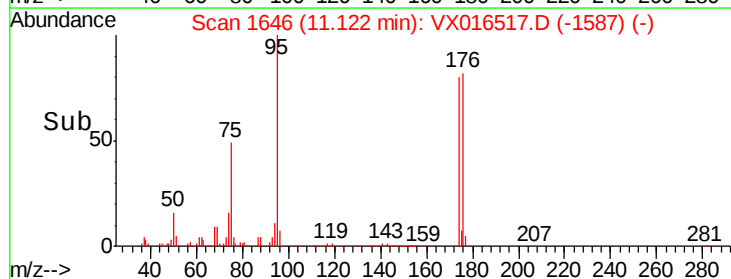
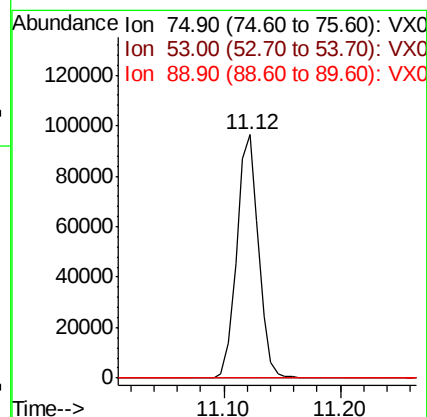
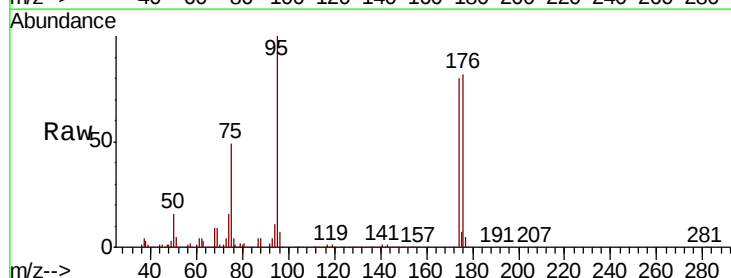
Tgt Ion: 75 Resp: 125012

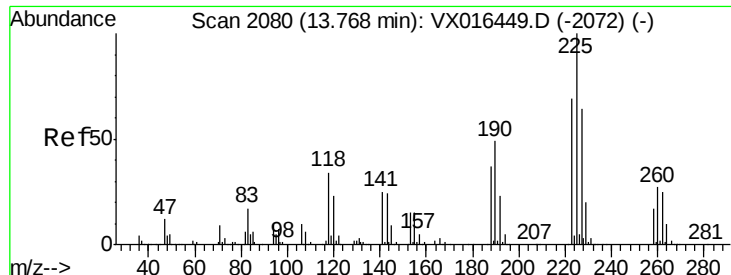
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#





#94

Hexachlorobutadiene

Concen: 0.359 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016517.D

Acq: 01 Jun 2020 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0601WBL01

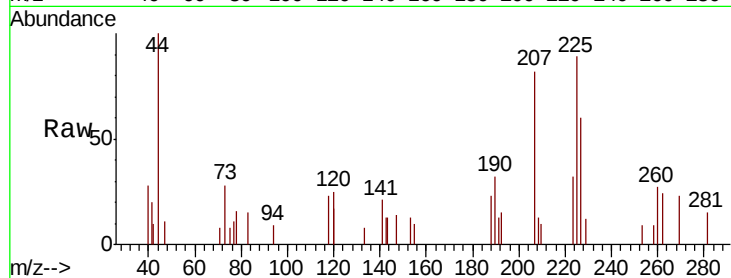
Tot Ion:225 Resp: 696

Ion Ratio Lower Upper

225 100

223 61.9 32.3 96.8

227 75.7 31.6 94.7



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

