

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052120\
 Data File : VX016377.D
 Acq On : 21 May 2020 12:33
 Operator : JC/SP
 Sample : VX0521WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 07:38:07 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	264010	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	433496	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	416054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187255	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	149660	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	
35) Dibromofluoromethane	5.46	113	124602	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	
50) Toluene-d8	8.70	98	531682	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.12	95	198492	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	

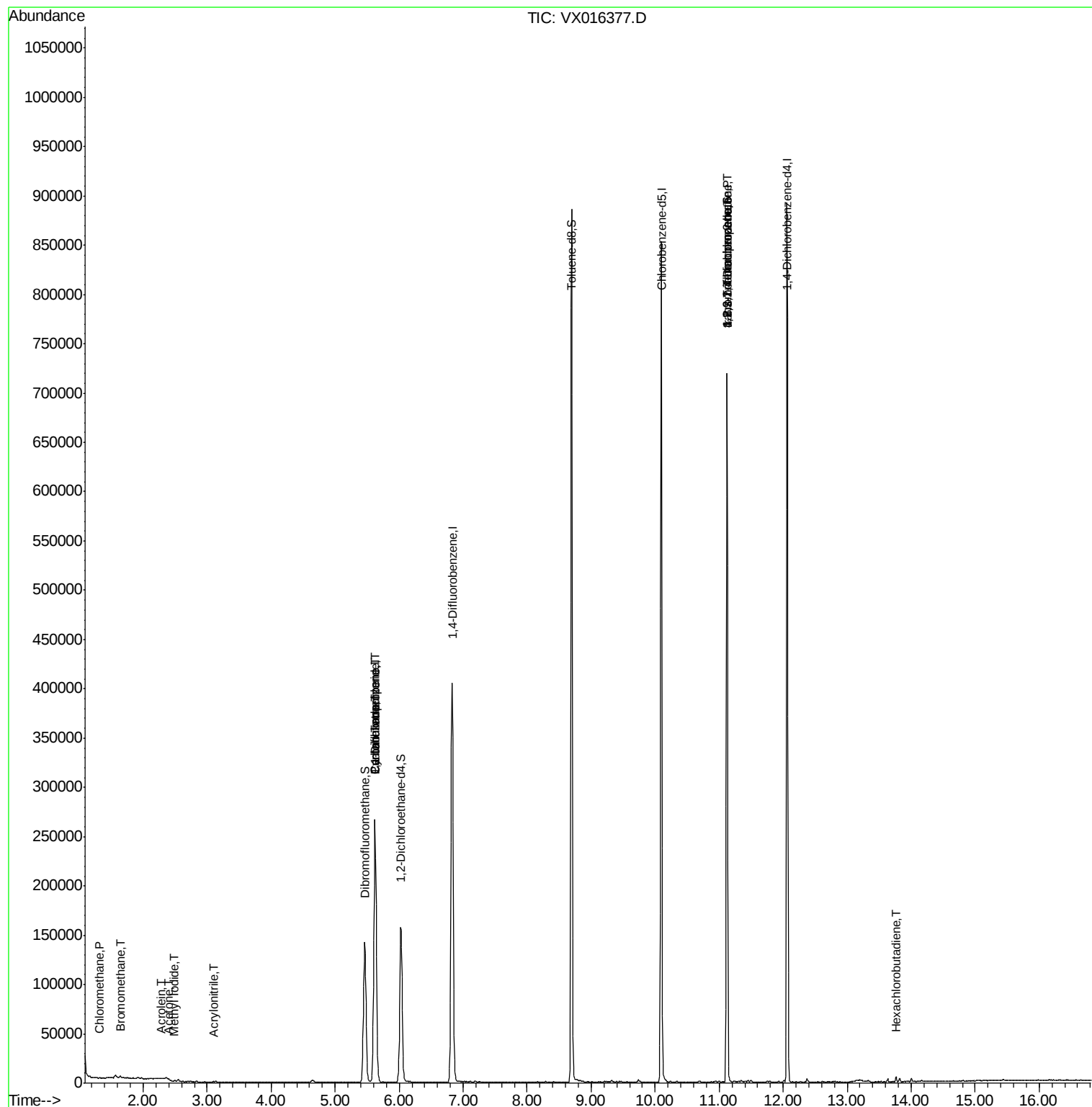
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	696	0.214	ug/l #	86
5) Bromomethane	1.64	94	1008	0.577	ug/l	98
10) Methyl Iodide	2.49	142	1298	0.368	ug/l	98
13) Acrolein	2.28	56	511	0.930	ug/l #	76
15) Acrylonitrile	3.11	53	563	0.309	ug/l	98
16) Acetone	2.41	43	408	0.263	ug/l	90
31) Cyclohexane	5.63	56	4768	0.988	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	19148	4.487	ug/l #	50
38) Carbon Tetrachloride	5.63	117	25178	5.805	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.12	83	102	2.089	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	93892	22.096	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	93892	52.657	ug/l #	13
94) Hexachlorobutadiene	13.77	225	759	0.911	ug/l	94

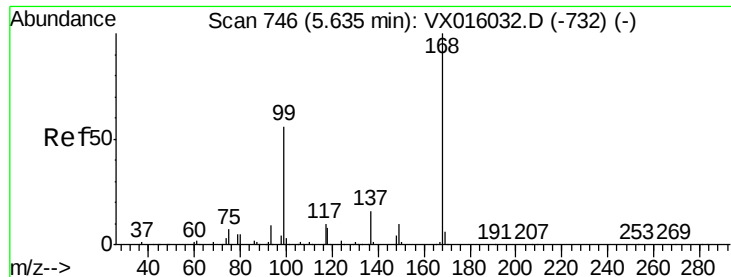
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

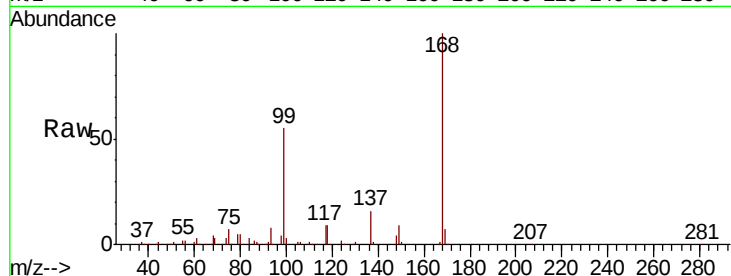
ClientSampled :

Tot Ion:168 Resp: 264010

Ion Ratio Lower Upper

168 100

99 55.0 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

100000

80000

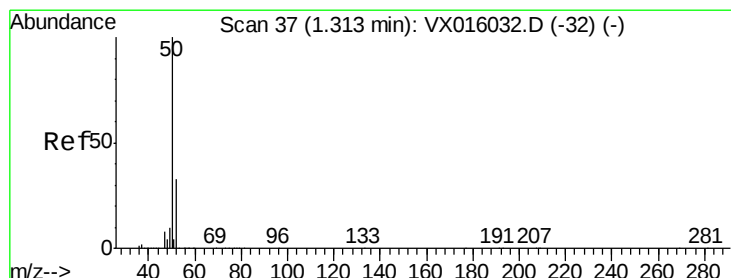
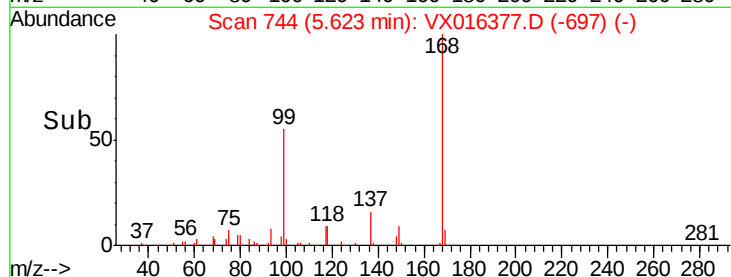
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.214 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016377.D

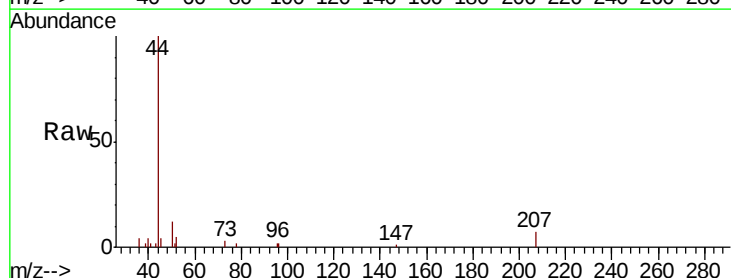
Acq: 21 May 2020 12:33

Tgt Ion: 50 Resp: 696

Ion Ratio Lower Upper

50 100

52 40.7 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

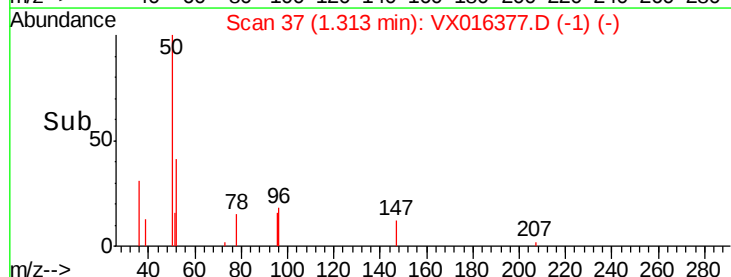
300

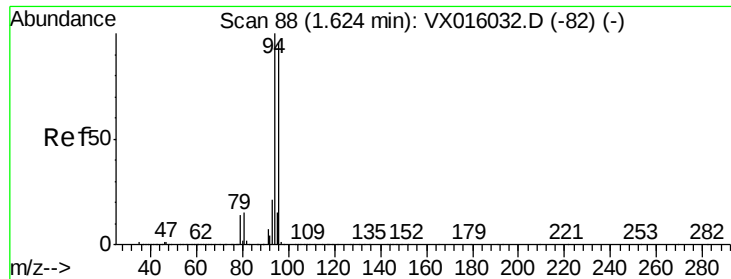
200

100

0

Time-->





#5

Bromomethane

Concen: 0.577 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

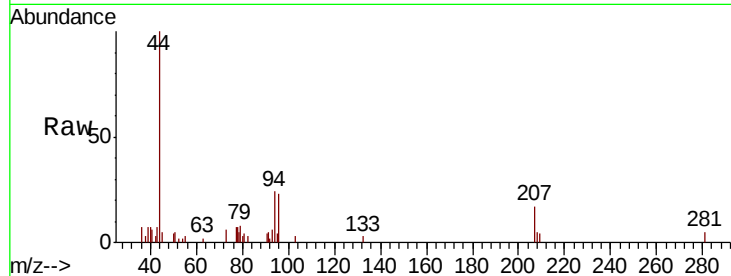
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 1008

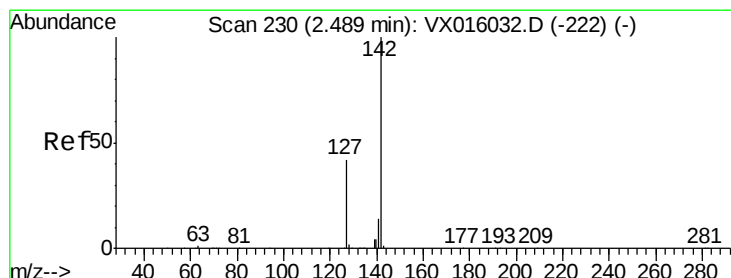
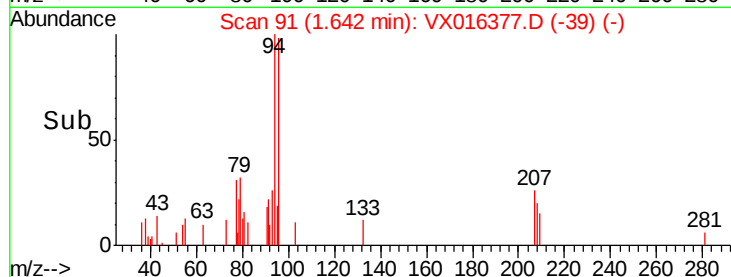
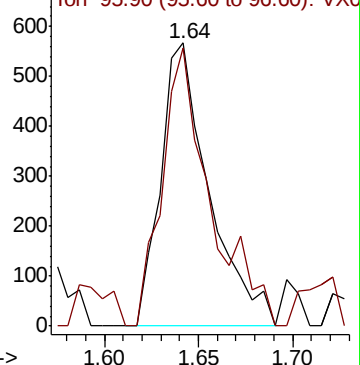
Ion Ratio Lower Upper

94 100

96 98.1 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX016032.D (-82) (-)



#10

Methyl Iodide

Concen: 0.368 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

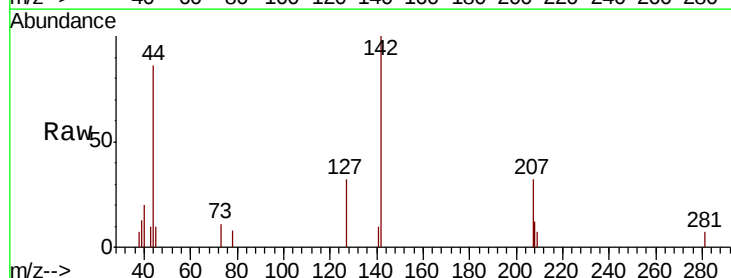
Tgt Ion: 142 Resp: 1298

Ion Ratio Lower Upper

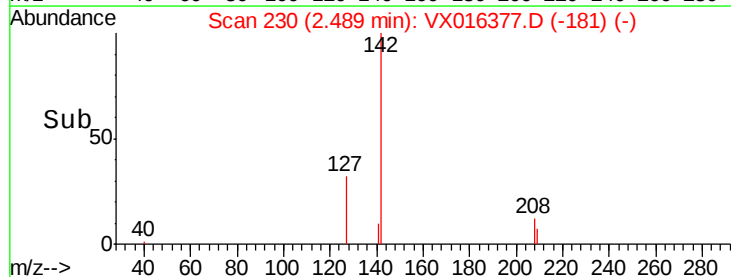
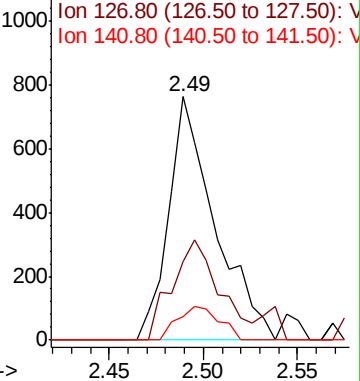
142 100

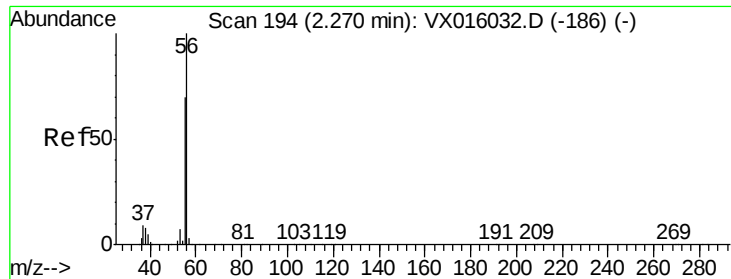
127 42.4 34.6 52.0

141 12.6 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): VX016032.D (-222) (-)





#13

Acrolein

Concen: 0.930 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

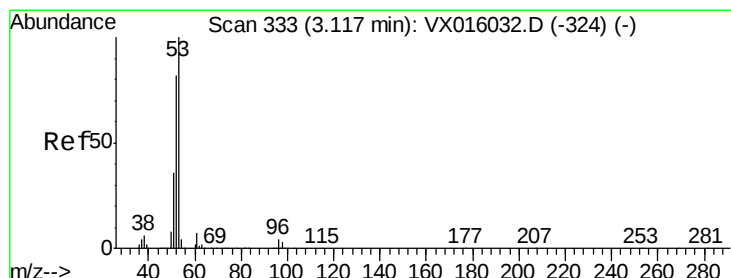
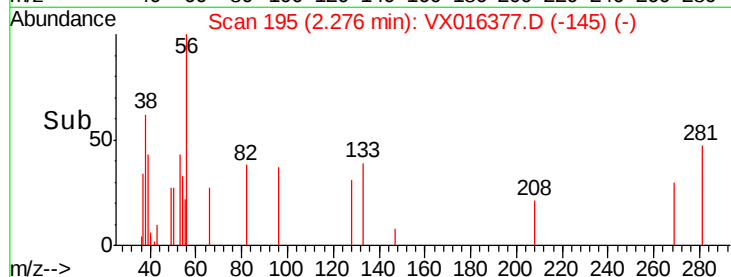
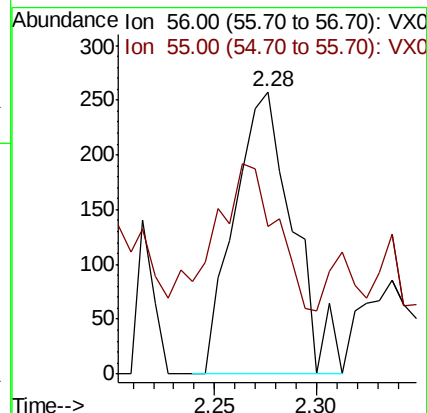
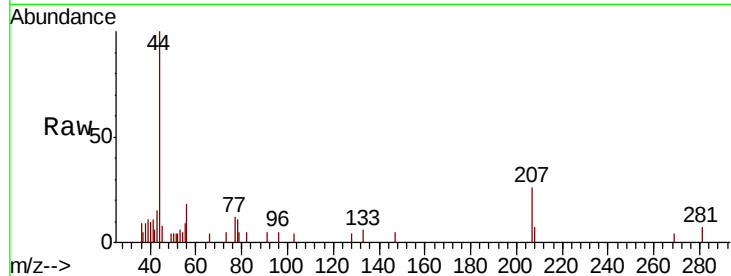
ClientSampleId :

Tot Ion: 56 Resp: 511

Ion Ratio Lower Upper

56 100

55 90.6 56.5 84.7#



#15

Acrylonitrile

Concen: 0.309 ug/l

RT: 3.11 min Scan# 331

Delta R.T. -0.01 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

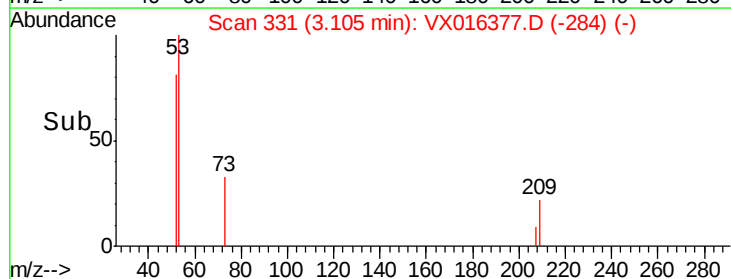
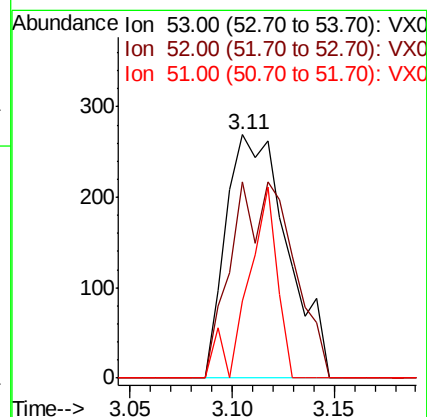
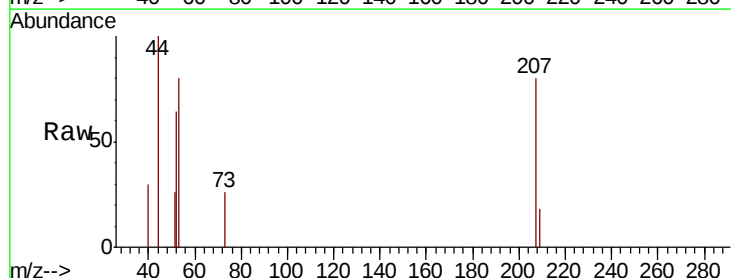
Tgt Ion: 53 Resp: 563

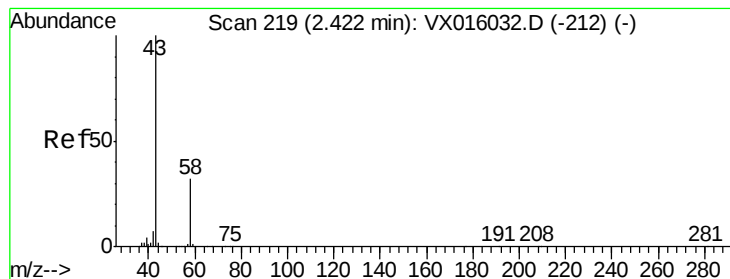
Ion Ratio Lower Upper

53 100

52 81.3 66.1 99.1

51 37.8 28.8 43.2





#16

Acetone

Concen: 0.263 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

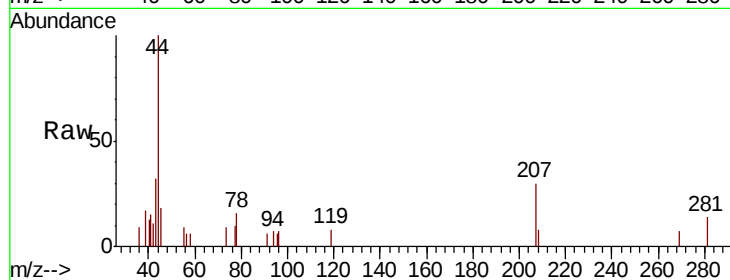
ClientSampled :

Tot Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

58 26.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.41

300

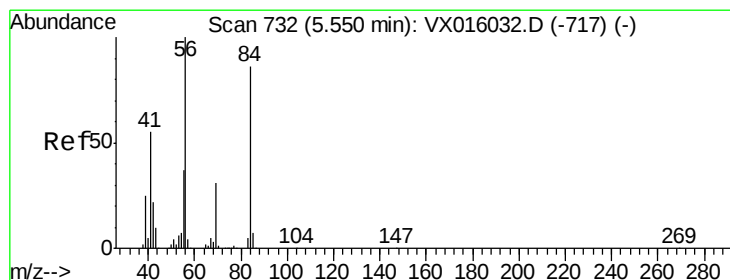
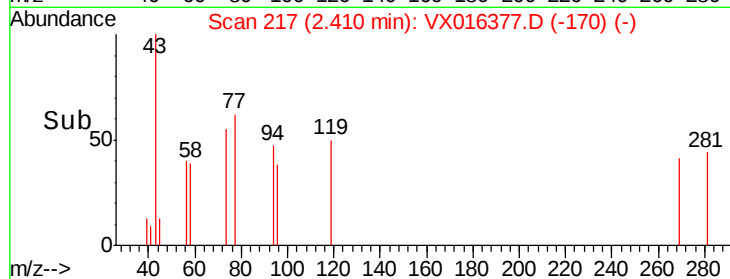
200

100

0

2.40 2.45

Time-->



#31

Cyclohexane

Concen: 0.988 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

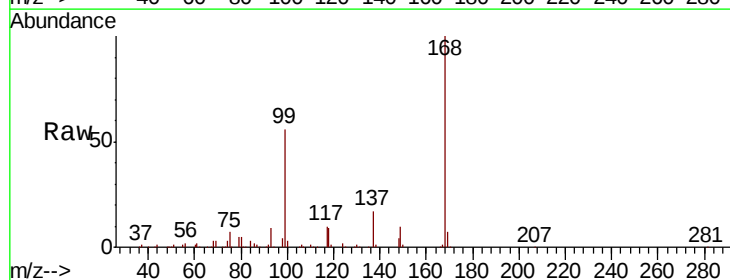
Tgt Ion: 56 Resp: 4768

Ion Ratio Lower Upper

56 100

69 171.6 25.0 37.6#

84 162.5 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

4000

3000

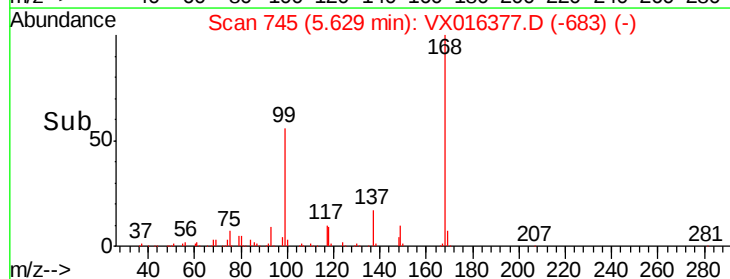
2000

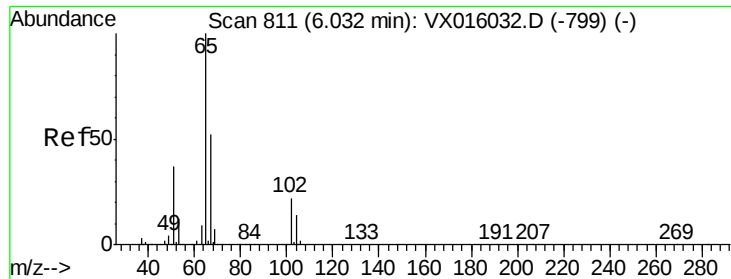
1000

0

5.50 5.60 5.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 43.079 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

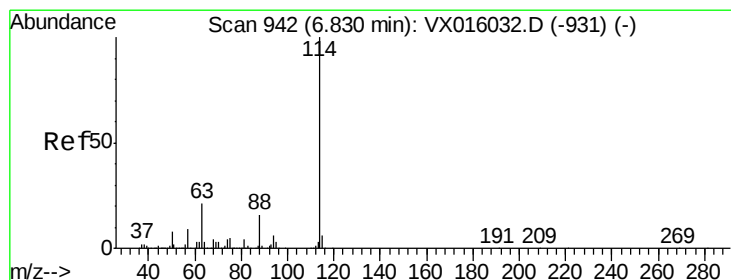
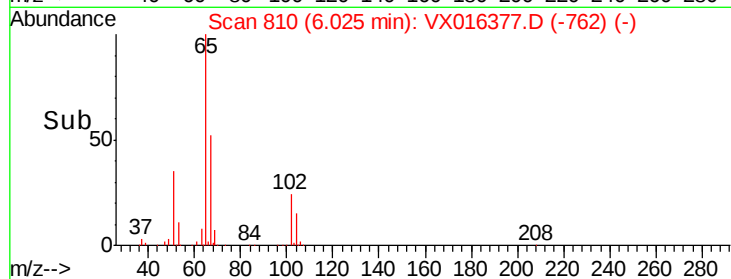
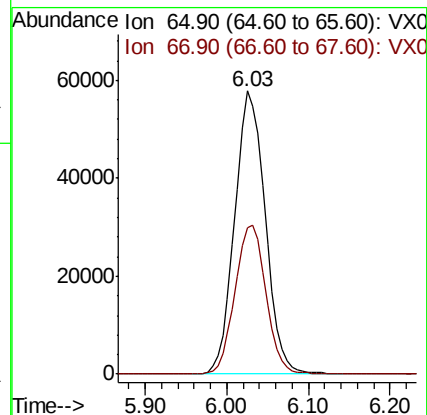
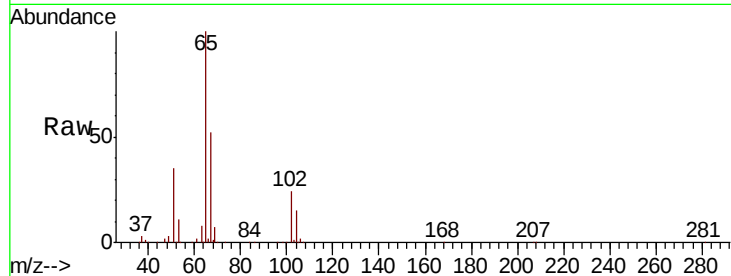
ClientSampleId :

Tot Ion: 65 Resp: 149660

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

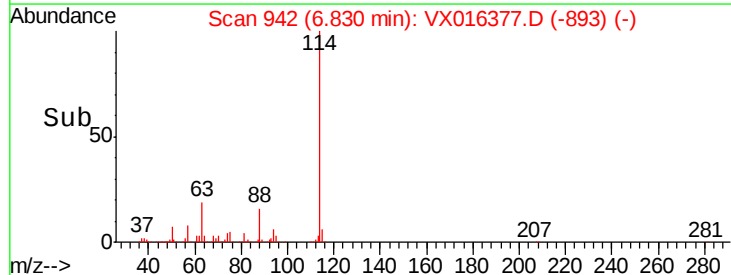
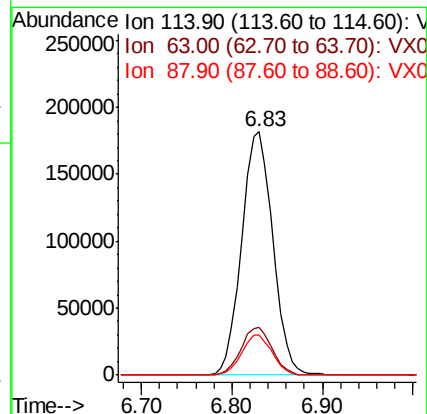
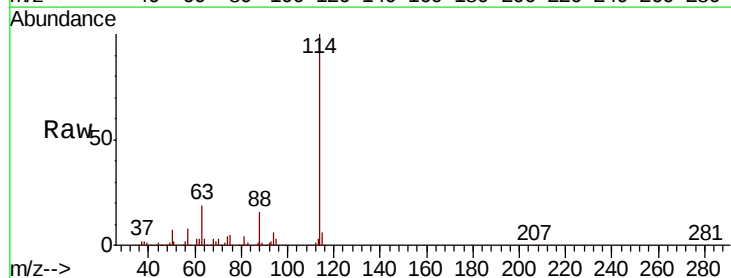
Tgt Ion: 114 Resp: 433496

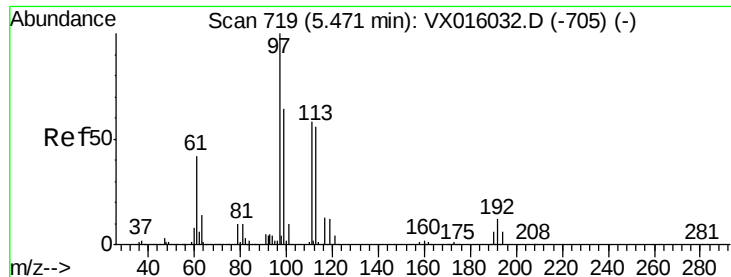
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.8

88 16.4 0.0 31.4

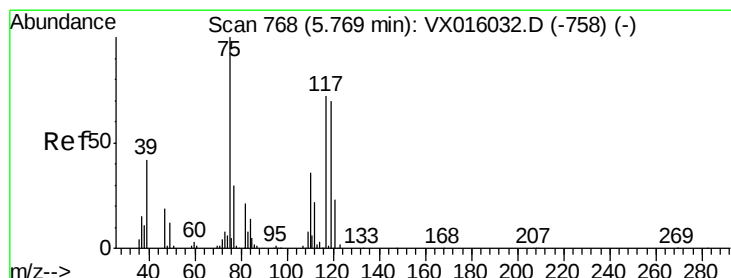
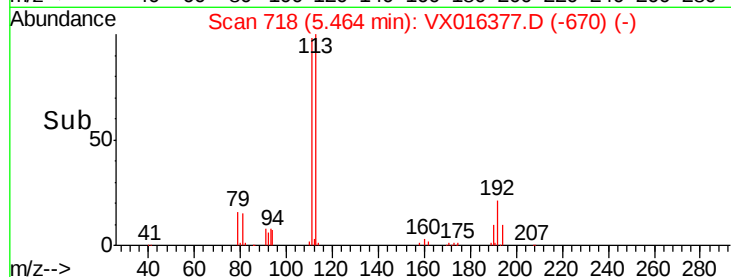
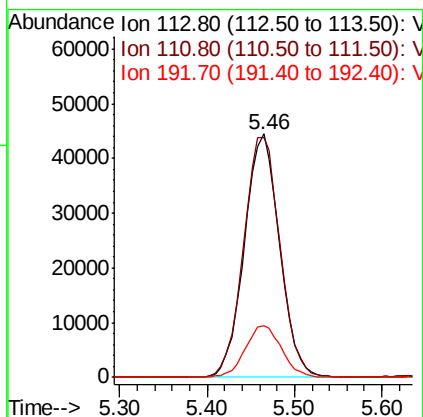
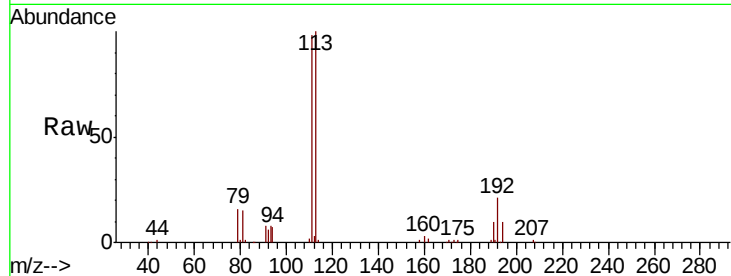




#35
 Dibromofluoromethane
 Concen: 45.369 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016377.D
 Acq: 21 May 2020 12:33

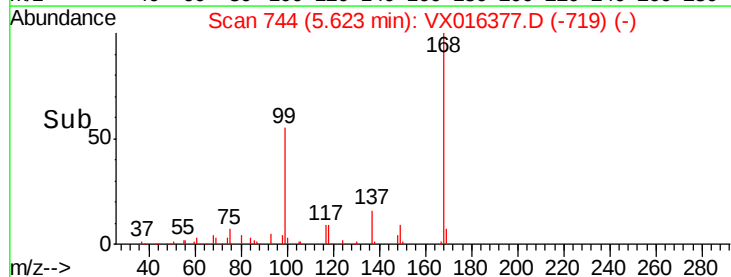
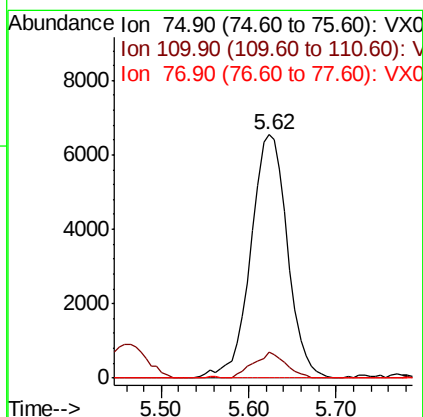
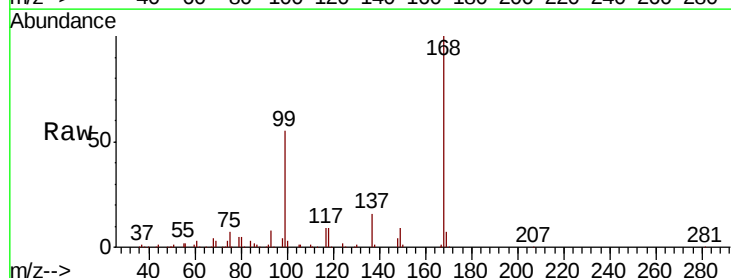
Instrument :
 MSVOA_X
 ClientSampleId :

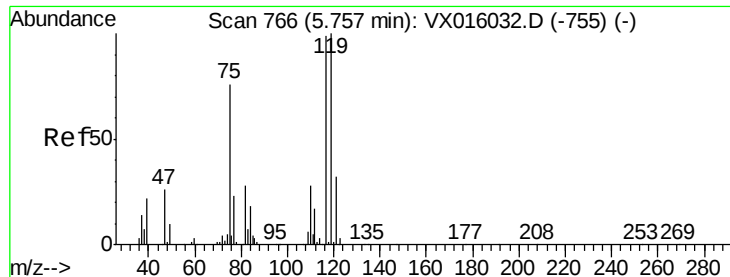
Tot Ion:113 Resp: 124602
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.6 122.4
 192 21.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016377.D
 Acq: 21 May 2020 12:33

Tgt Ion: 75 Resp: 19148
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.805 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

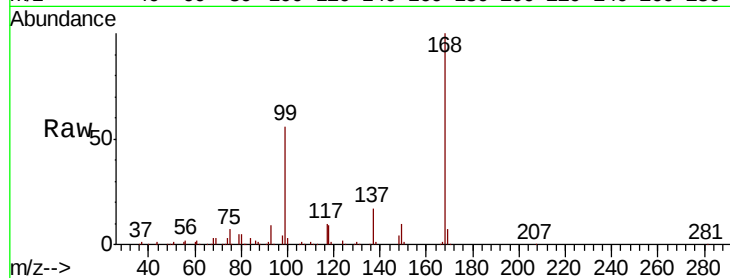
Tot Ion:117 Resp: 25178

Ion Ratio Lower Upper

117 100

119 5.9 80.3 120.5#

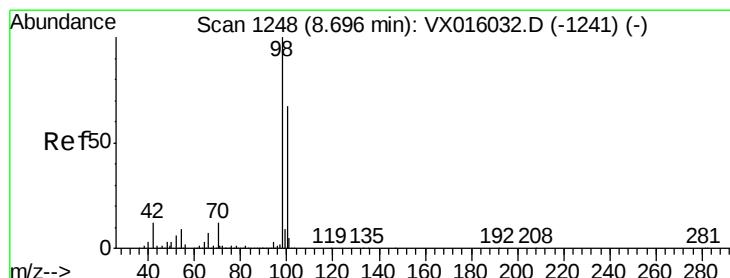
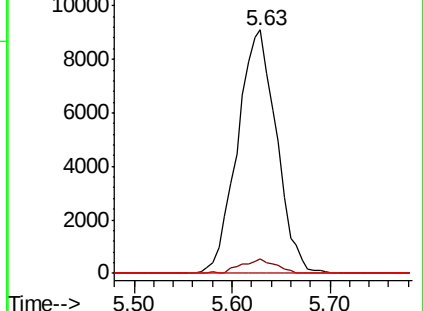
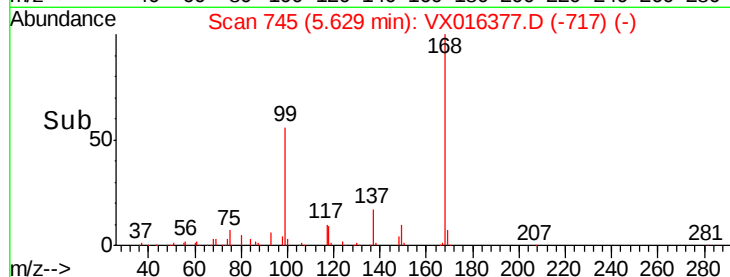
121 0.0 25.7 38.5#



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: 50.244 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016377.D

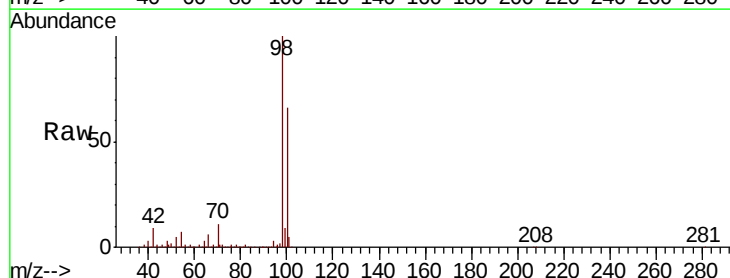
Acq: 21 May 2020 12:33

Tgt Ion: 98 Resp: 531682

Ion Ratio Lower Upper

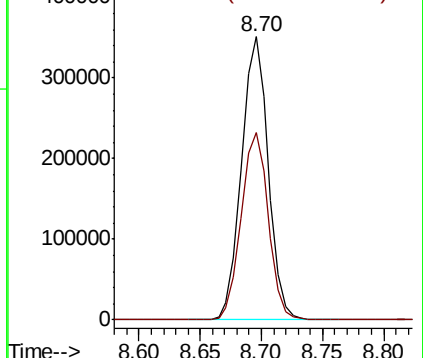
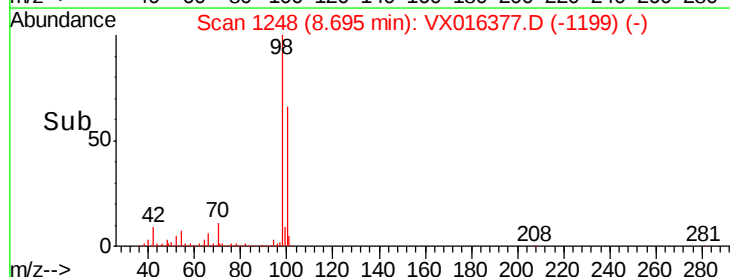
98 100

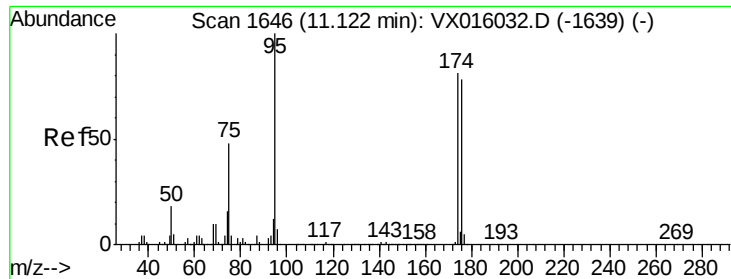
100 67.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.316 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

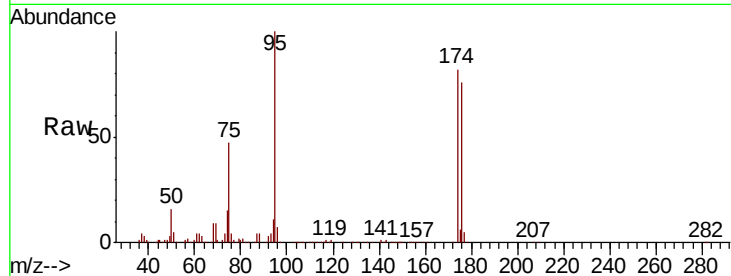
Tot Ion: 95 Resp: 198492

Ion Ratio Lower Upper

95 100

174 81.9 0.0 159.4

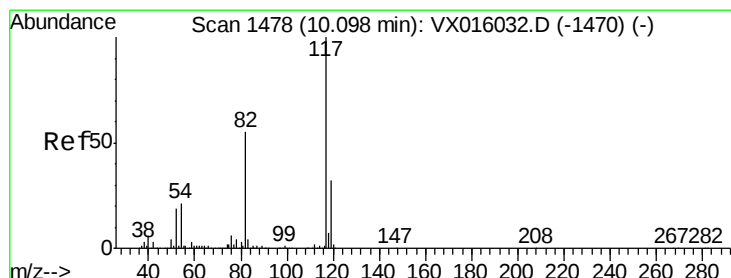
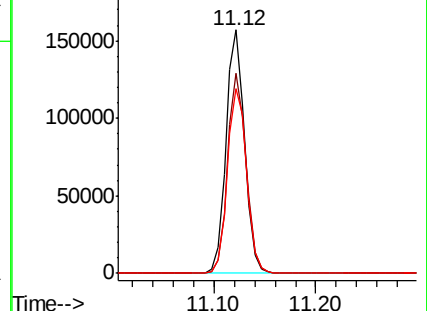
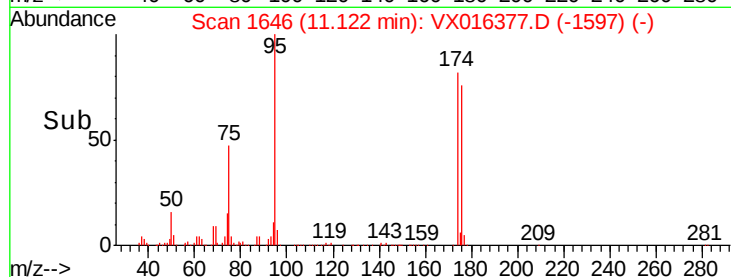
176 78.4 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016377.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016377.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016377.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

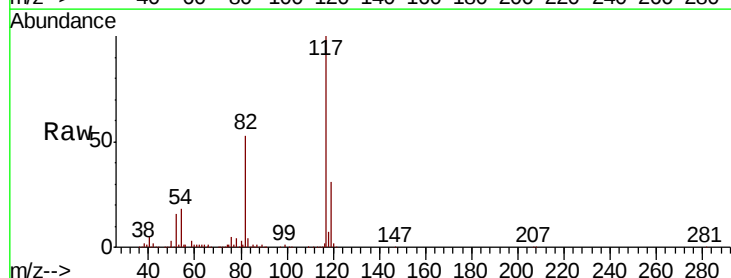
Tgt Ion: 117 Resp: 416054

Ion Ratio Lower Upper

117 100

82 53.5 44.4 66.6

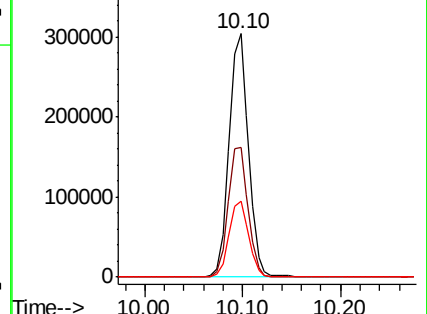
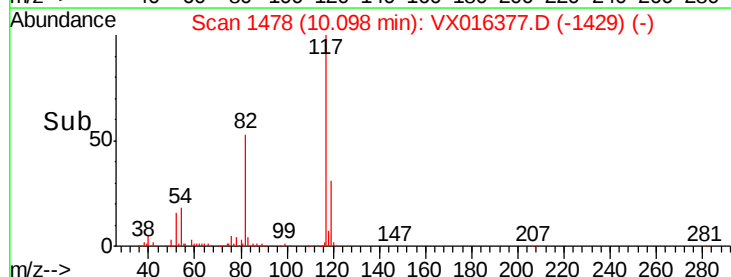
119 31.4 25.5 38.3

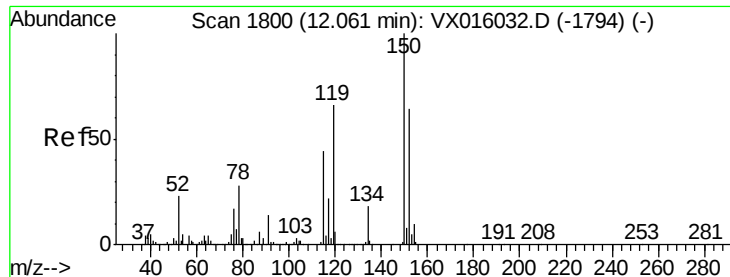


Abundance Ion 116.90 (116.60 to 117.60): VX016377.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016377.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016377.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

ClientSampleId :

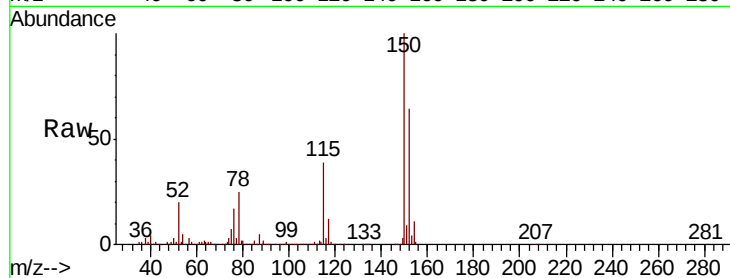
Tot Ion:152 Resp: 187255

Ion Ratio Lower Upper

152 100

115 60.0 41.3 124.1

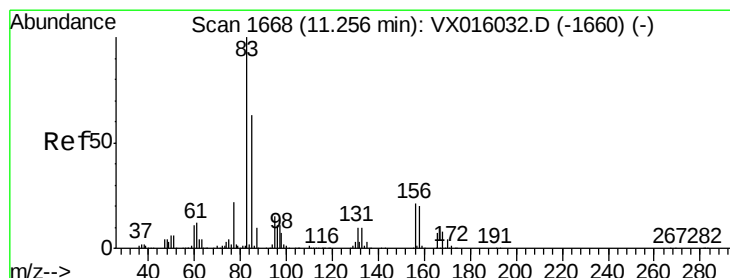
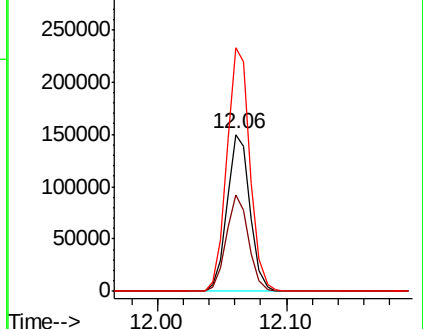
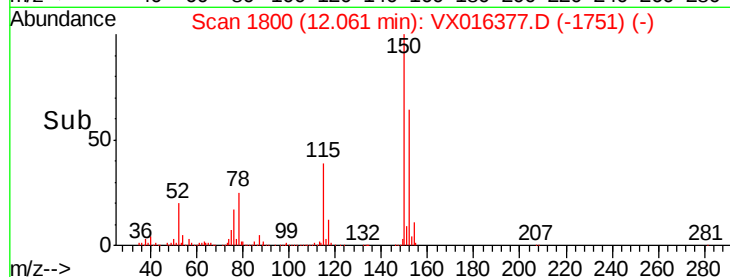
150 156.4 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.089 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

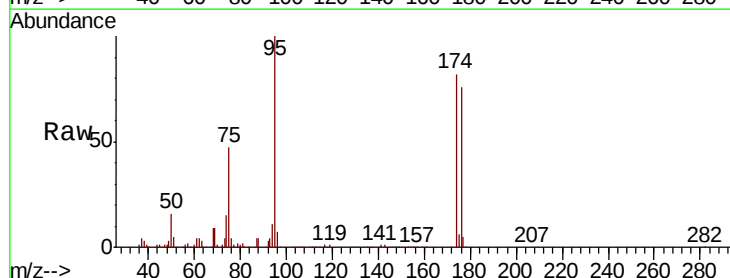
Tgt Ion: 83 Resp: 102

Ion Ratio Lower Upper

83 100

131 240.2 5.1 15.4#

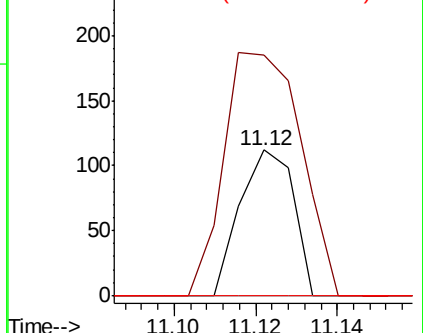
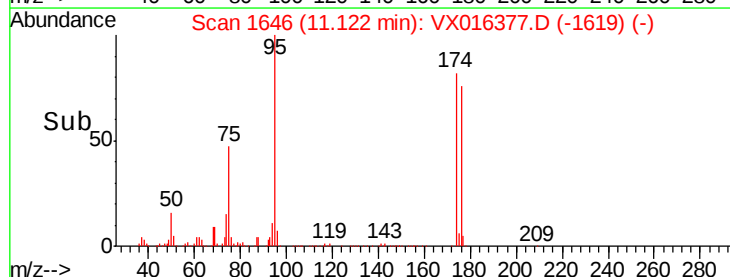
85 0.0 32.0 96.0#

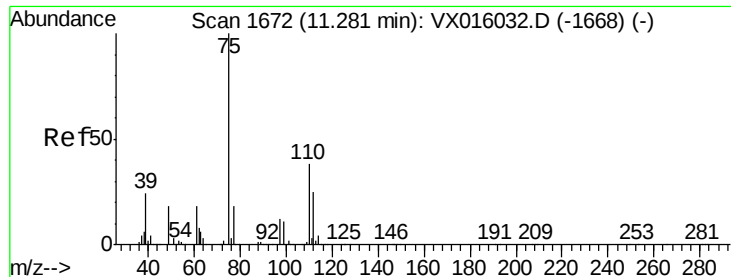


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 22.096 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

Instrument :

MSVOA_X

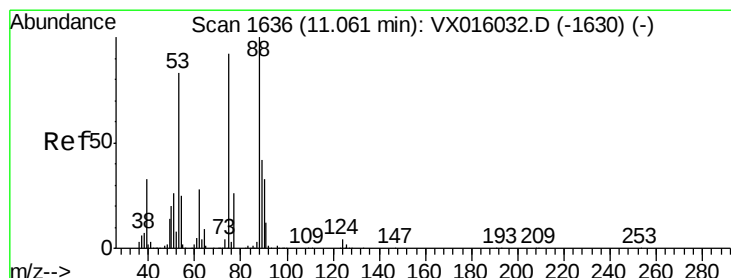
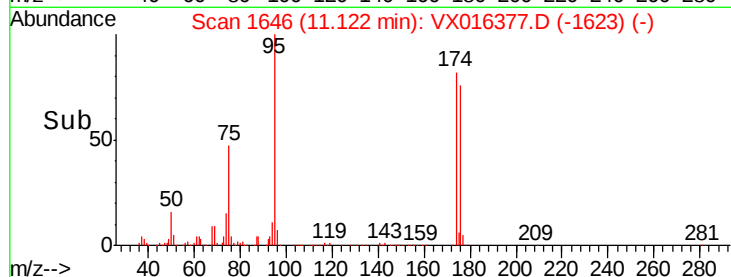
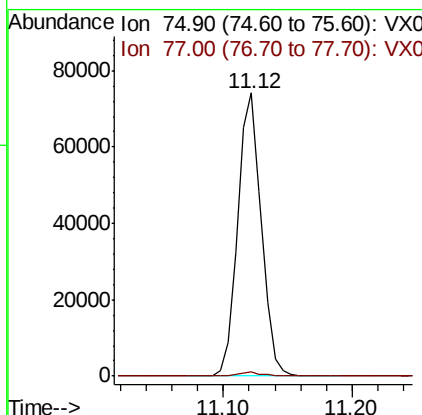
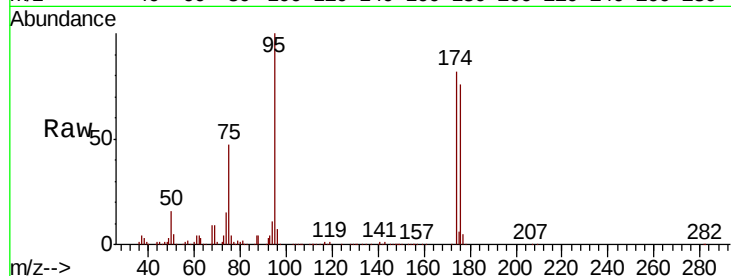
ClientSampleId :

Tot Ion: 75 Resp: 93892

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.657 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016377.D

Acq: 21 May 2020 12:33

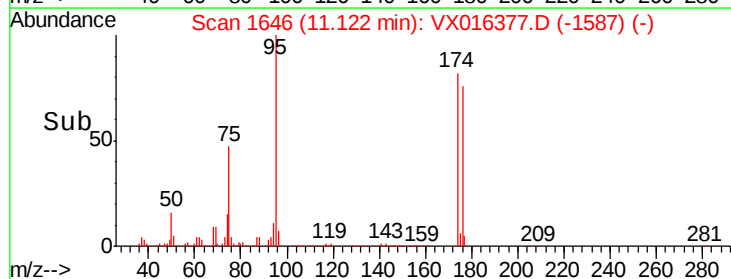
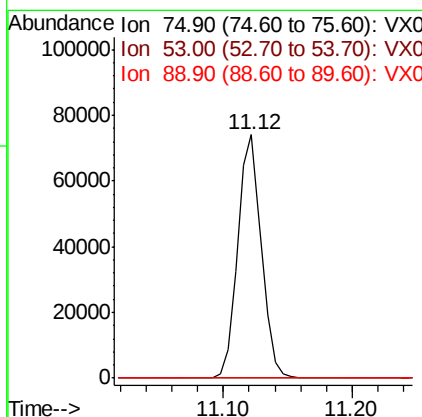
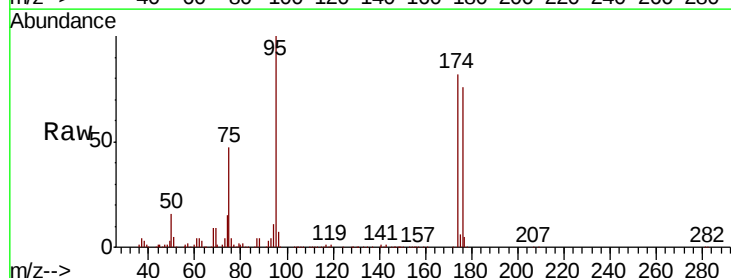
Tgt Ion: 75 Resp: 93892

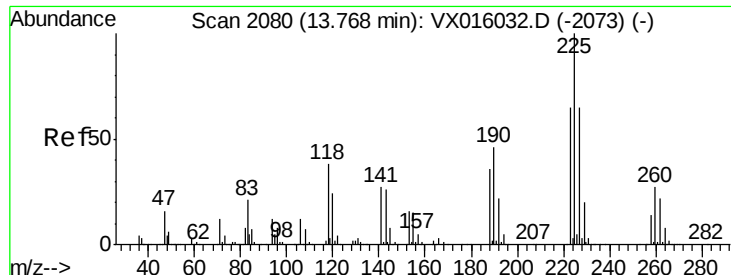
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

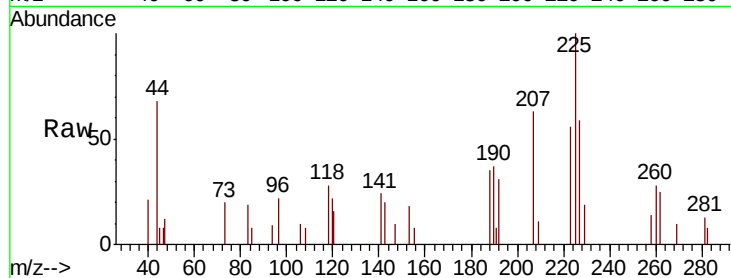




#94
 Hexachlorobutadiene
 Concen: 0.911 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016377.D
 Acq: 21 May 2020 12:33

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	72.2	32.3	96.9
227	65.0	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

