

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016725.D
 Acq On : 12 Jun 2020 14:02
 Operator : JC/SP
 Sample : L2963-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:28:40 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	223904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	350093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	182155	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	132586	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	5.46	113	109891	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
50) Toluene-d8	8.70	98	428797	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.12	95	173803	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	

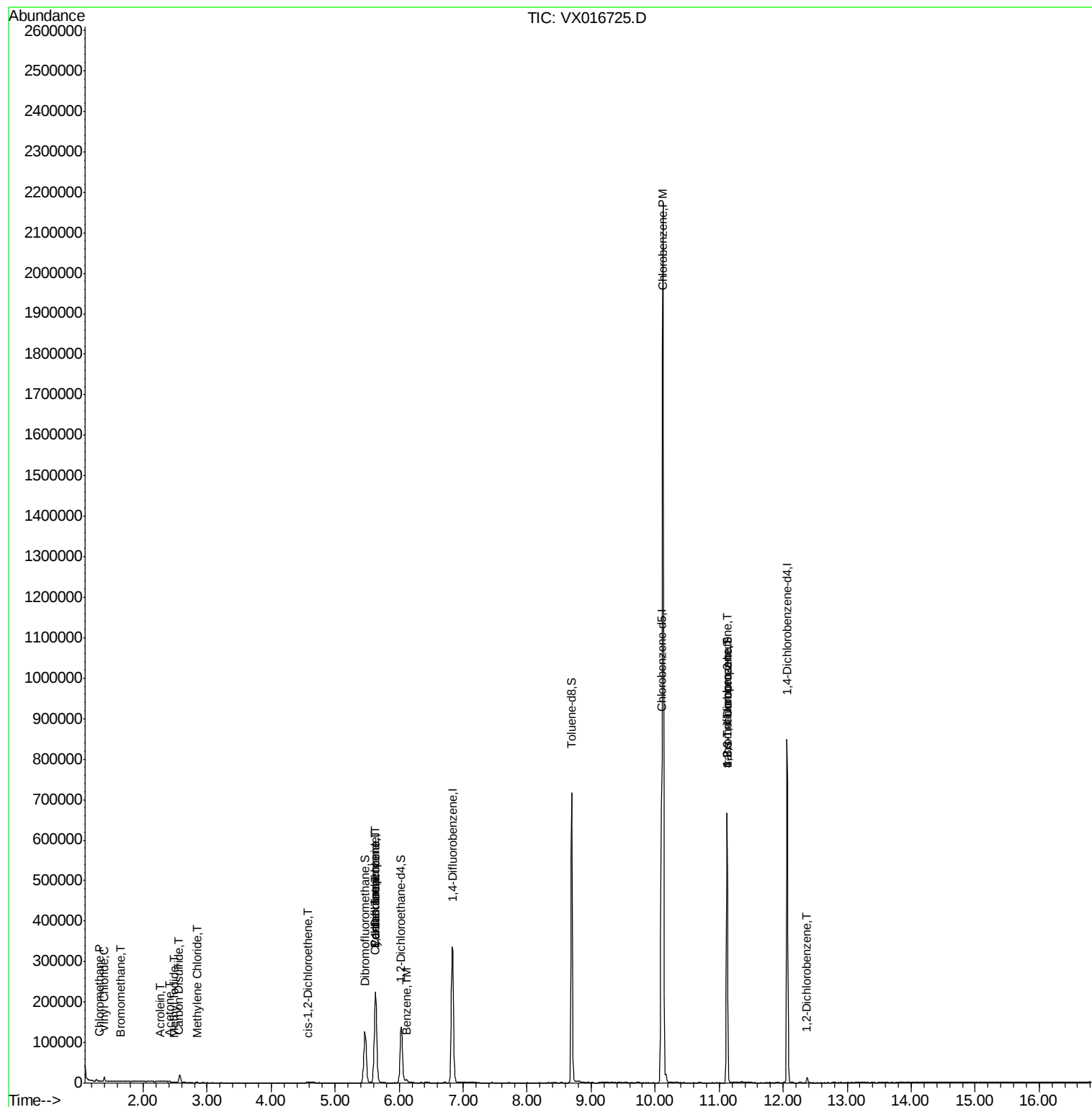
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	999	0.375	ug/l #	76
4) Vinyl Chloride	1.39	62	5235	1.859	ug/l	91
5) Bromomethane	1.65	94	301	0.220	ug/l	88
10) Methyl Iodide	2.50	142	143	3.111	ug/l #	40
13) Acrolein	2.26	56	320	1.055	ug/l	87
16) Acetone	2.42	43	3535	2.902	ug/l #	78
17) Carbon Disulfide	2.55	76	1398	0.219	ug/l #	59
20) Methylene Chloride	2.84	84	560	0.222	ug/l #	83
27) cis-1,2-Dichloroethene	4.57	96	1343	0.487	ug/l	84
31) Cyclohexane	5.62	56	3825	0.990	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14915	4.500	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21198	6.085	ug/l #	17
40) Benzene	6.12	78	7433	0.753	ug/l	95
65) Chlorobenzene	10.12	112	952632	130.608	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	83906	20.956	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	83906	51.549	ug/l #	14
91) 1,2-Dichlorobenzene	12.37	146	4211	0.758	ug/l	93

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

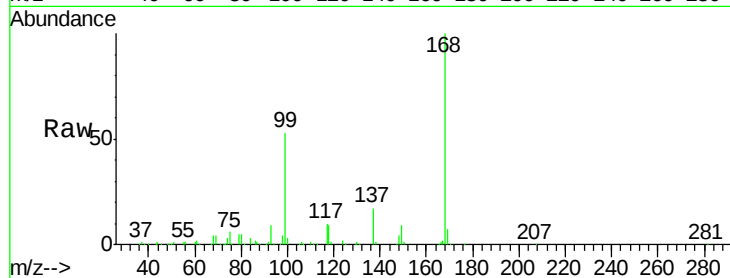
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 223904

Ion Ratio Lower Upper

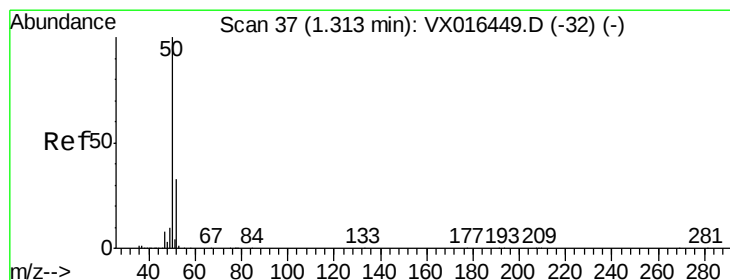
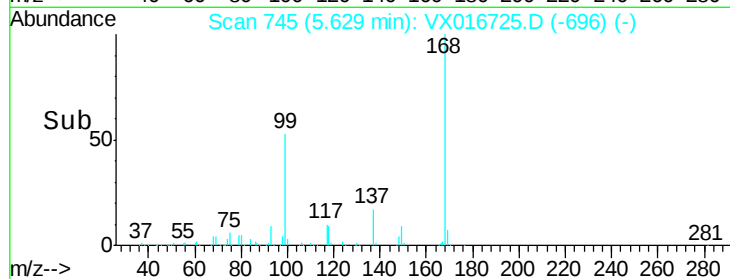
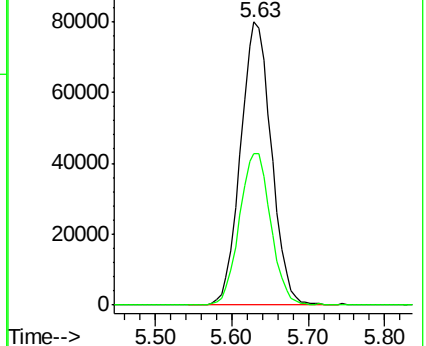
168 100

99 53.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.375 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016725.D

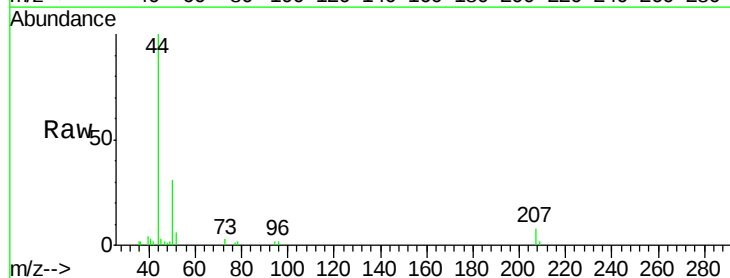
Acq: 12 Jun 2020 14:02

Tgt Ion: 50 Resp: 999

Ion Ratio Lower Upper

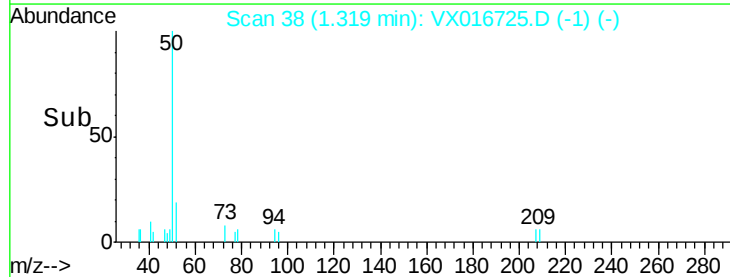
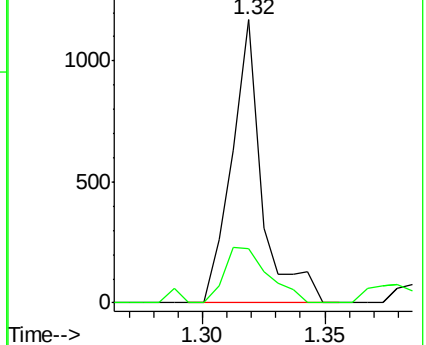
50 100

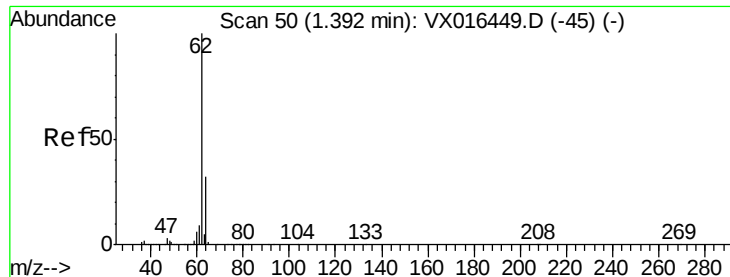
52 19.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1.859 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

Instrument :

MSVOA_X

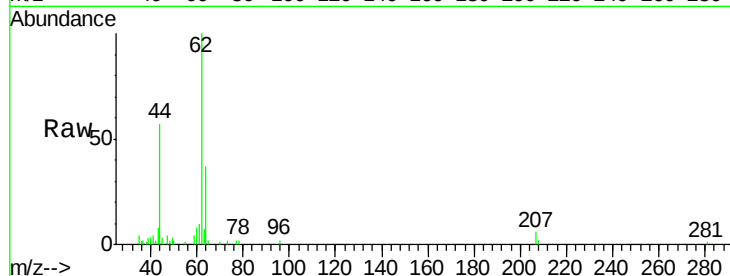
ClientSampled :

Tot Ion: 62 Resp: 5235

Ion Ratio Lower Upper

62 100

64 37.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

6000

5000

4000

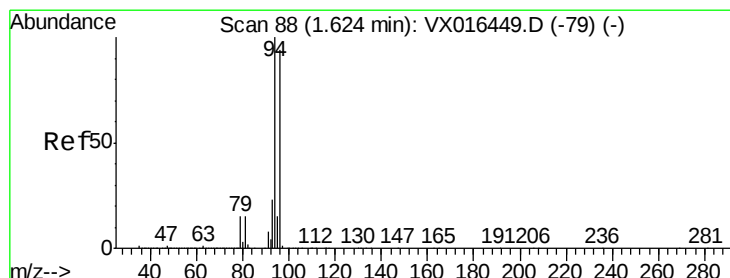
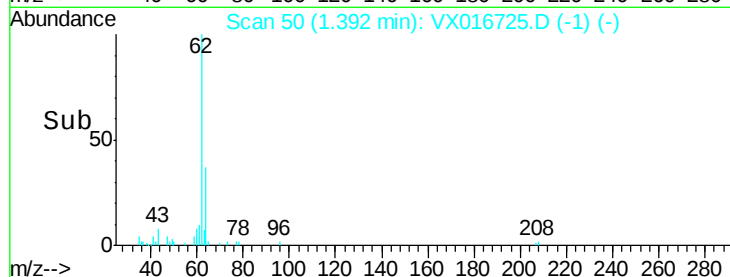
3000

2000

1000

0

Time-->



#5

Bromomethane

Concen: 0.220 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016725.D

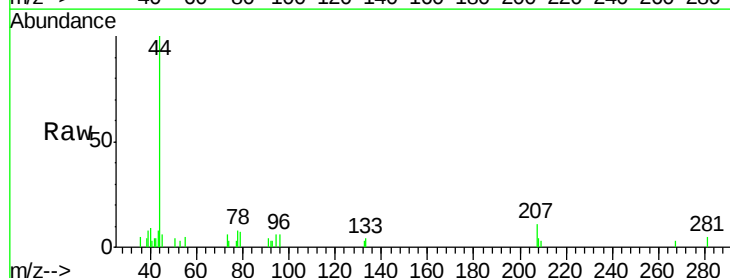
Acq: 12 Jun 2020 14:02

Tgt Ion: 94 Resp: 301

Ion Ratio Lower Upper

94 100

96 105.8 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

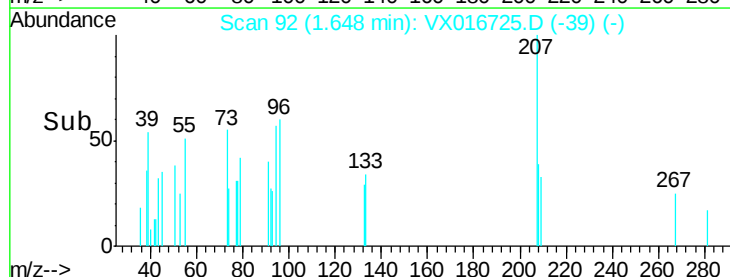
150

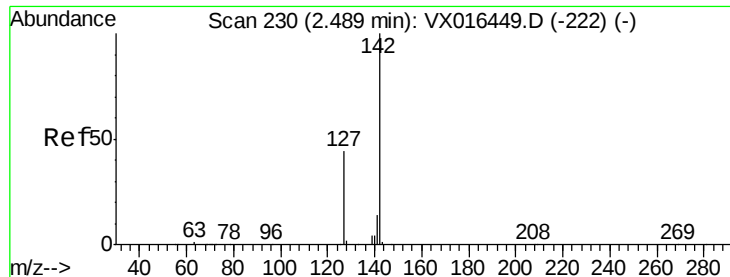
100

50

0

Time-->

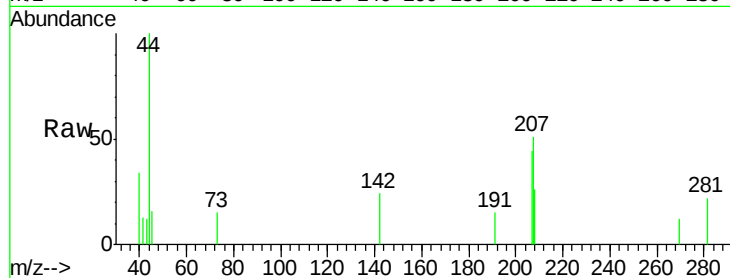




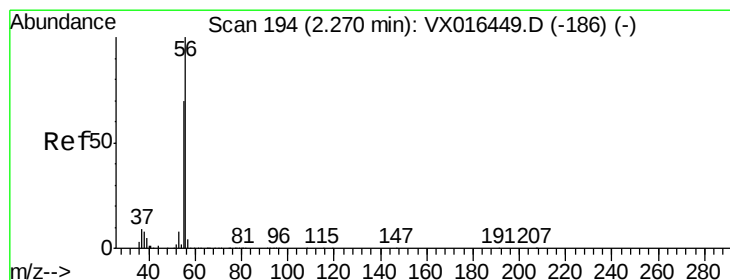
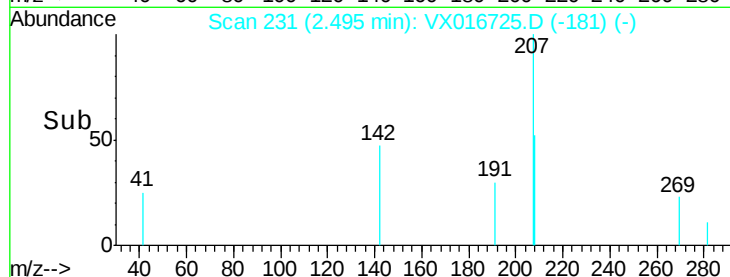
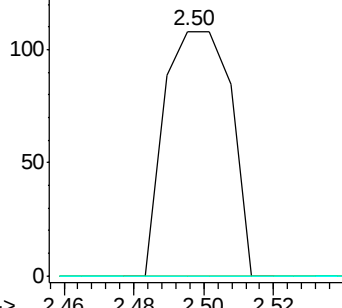
#10
Methvl Iodide
Concen: 3.111 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

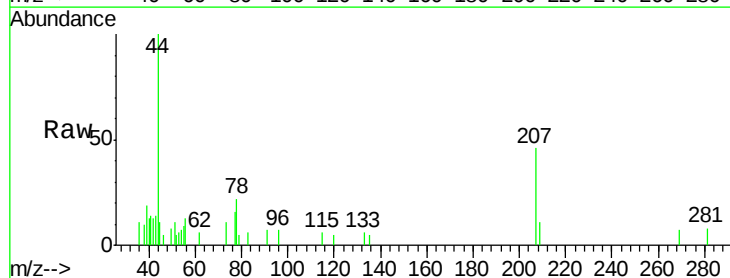


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

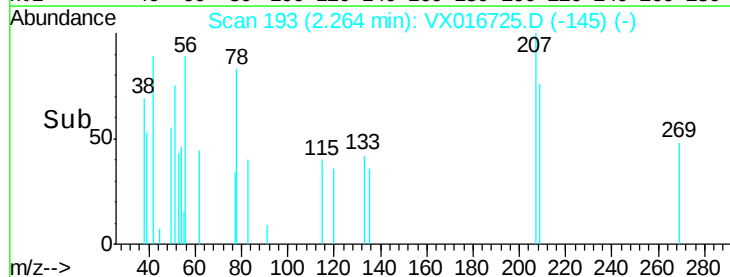
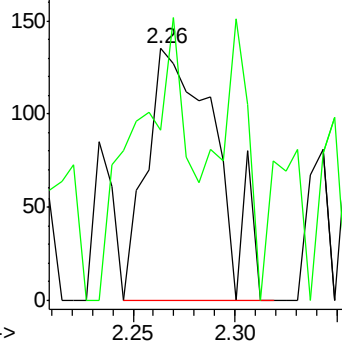


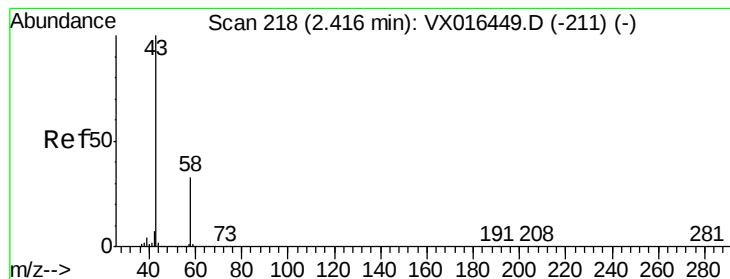
#13
Acrolein
Concen: 1.055 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 83.8 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.902 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

Instrument :

MSVOA_X

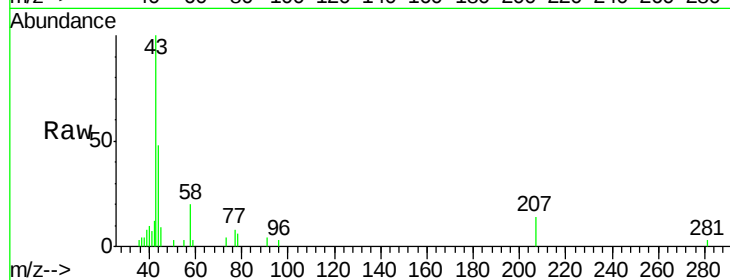
ClientSampleId :

Tot Ion: 43 Resp: 3535

Ion Ratio Lower Upper

43 100

58 20.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

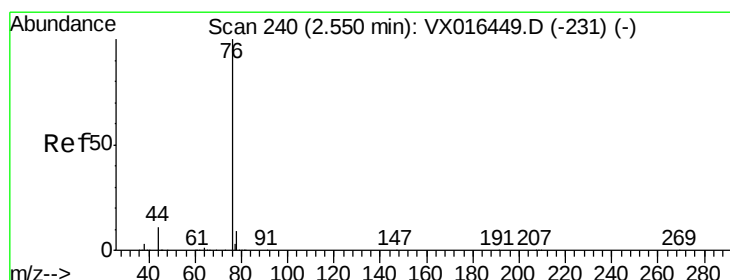
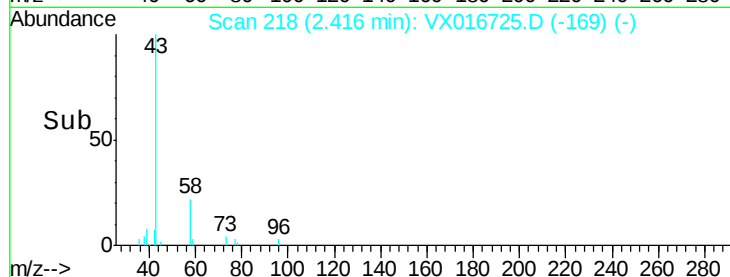
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016725.D

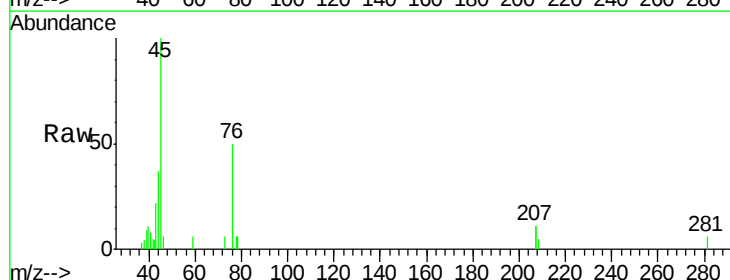
Acq: 12 Jun 2020 14:02

Tgt Ion: 76 Resp: 1398

Ion Ratio Lower Upper

76 100

78 24.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1000

800

600

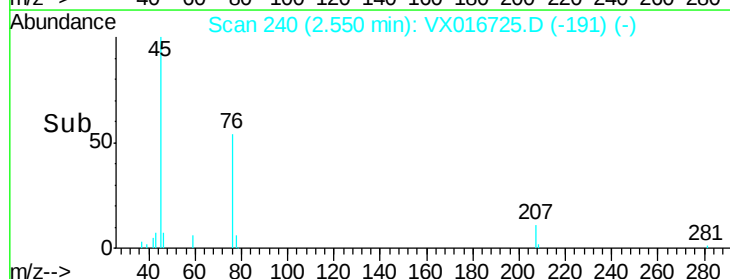
400

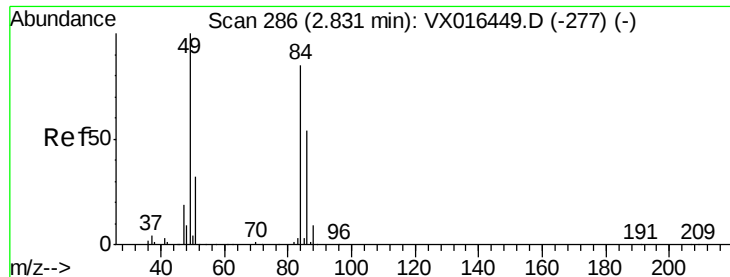
200

0

2.50 2.55 2.60

Time-->

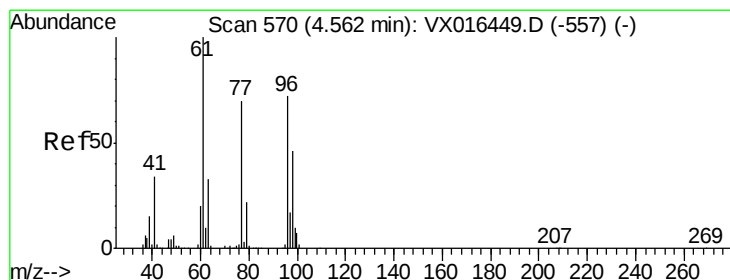
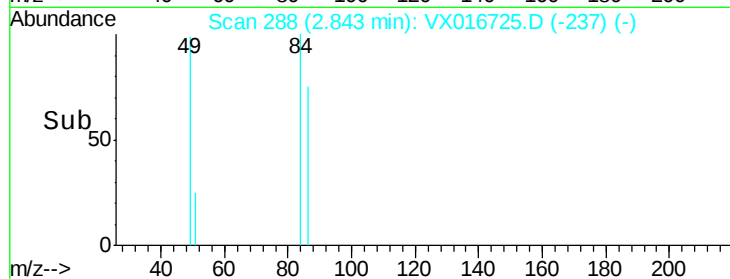
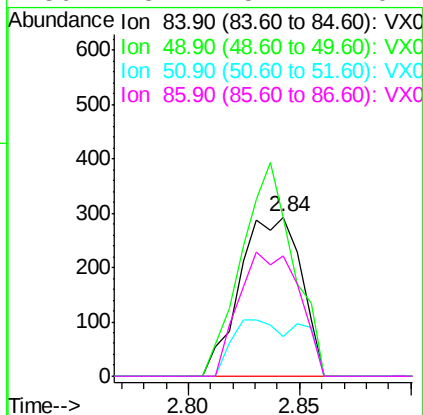
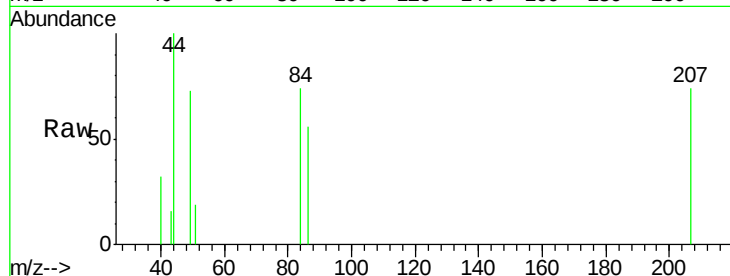




#20
Methvlene Chloride
Concen: 0.222 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

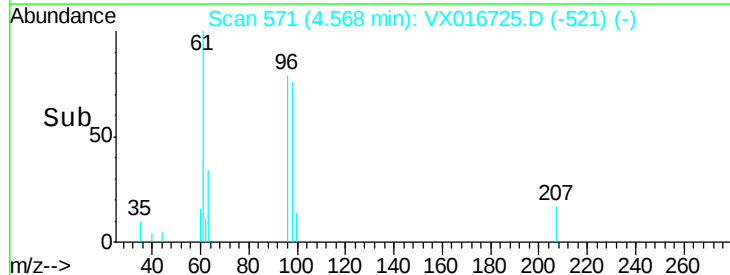
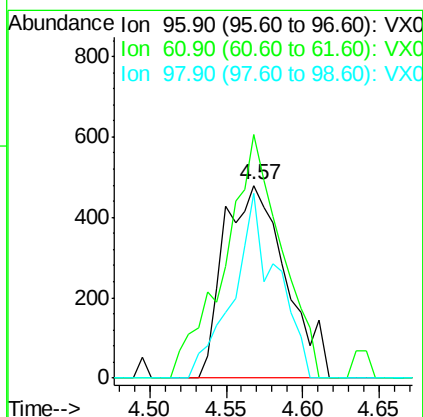
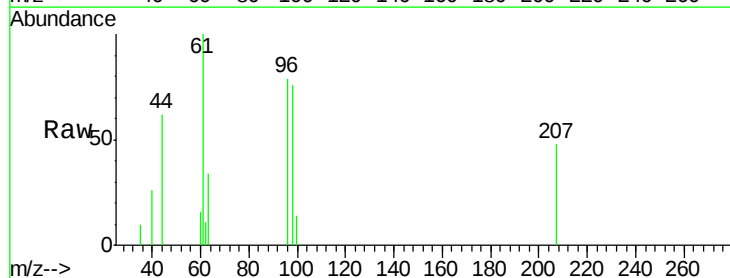
Instrument :
MSVOA_X
ClientSampleId :

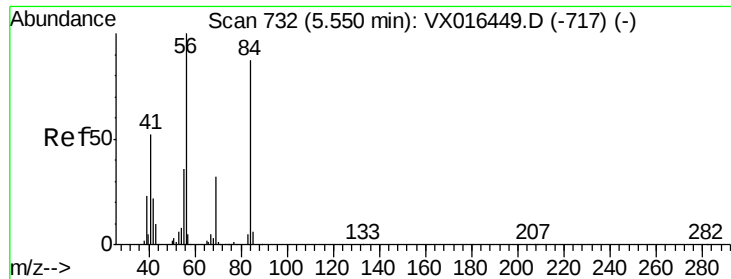
Tot Ion: 84 Resp: 560
Ion Ratio Lower Upper
84 100
49 99.3 94.5 141.7
51 25.3 30.2 45.4#
86 75.4 51.1 76.7



#27
cis-1,2-Dichloroethene
Concen: 0.487 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

Tgt Ion: 96 Resp: 1343
Ion Ratio Lower Upper
96 100
61 116.1 0.0 284.6
98 67.6 0.0 127.2

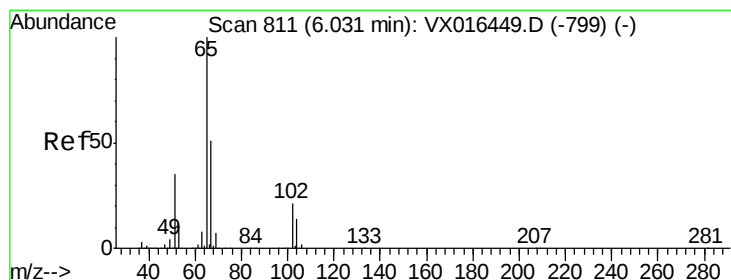
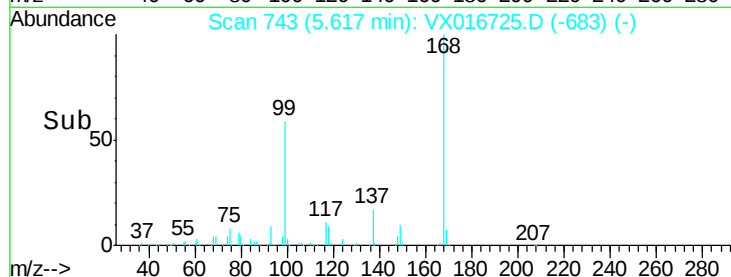
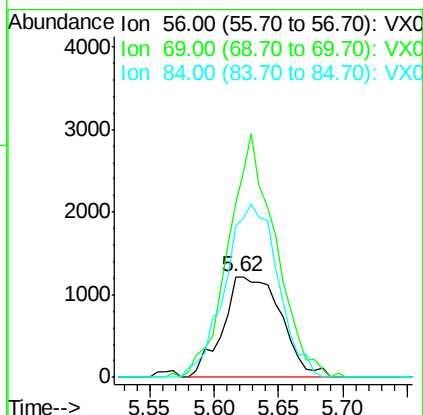
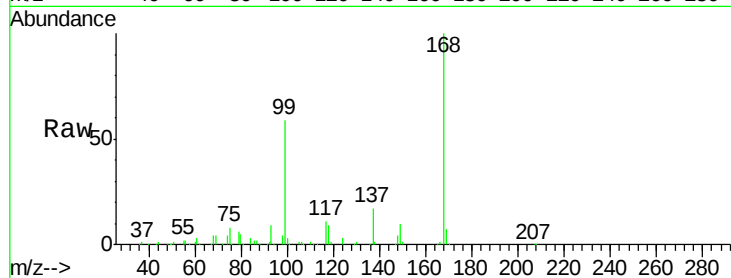




#31
Cvclohexane
Concen: 0.990 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

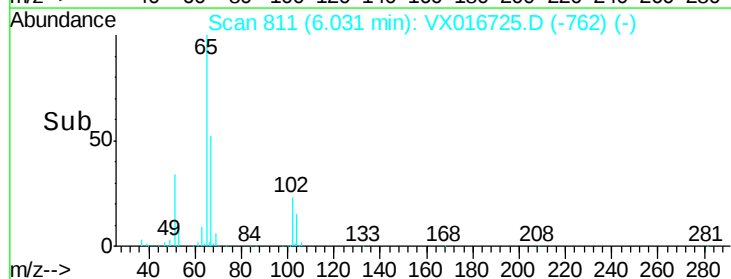
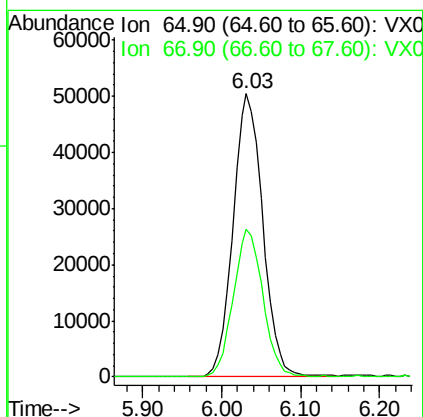
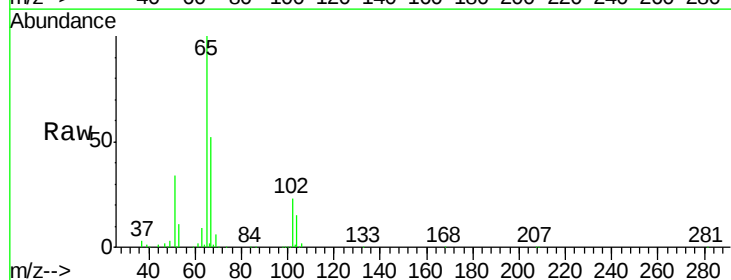
Instrument :
MSVOA_X
ClientSampleId :

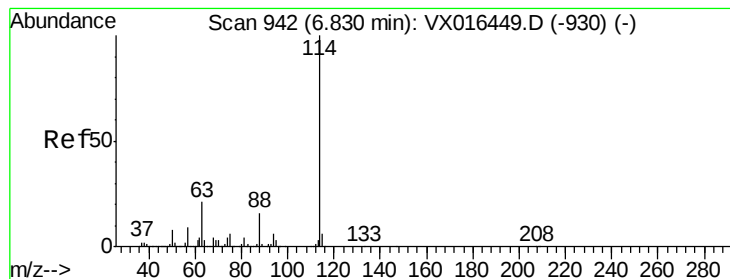
Tot Ion: 56 Resp: 3825
Ion Ratio Lower Upper
56 100
69 168.6 25.7 38.5#
84 150.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.683 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

Tgt Ion: 65 Resp: 132586
Ion Ratio Lower Upper
65 100
67 51.7 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: VX016725.D

Acq: 12 Jun 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

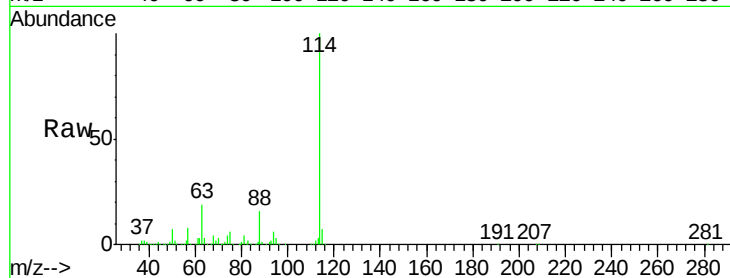
Tot Ion:114 Resp: 350093

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

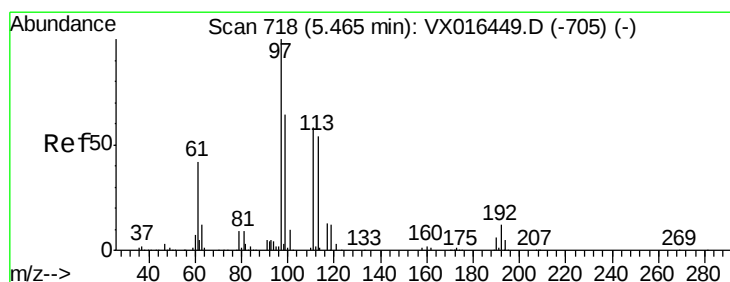
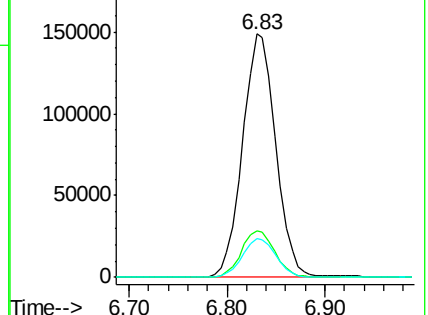
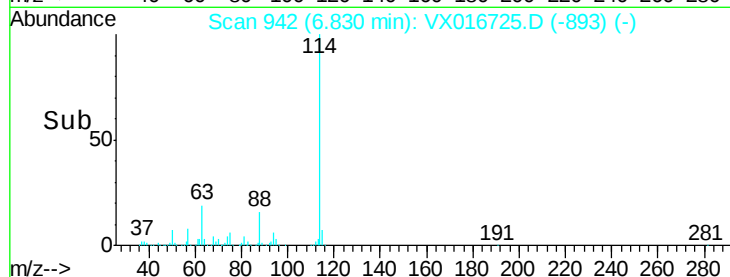
88 16.1 0.0 32.8



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: 50.977 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

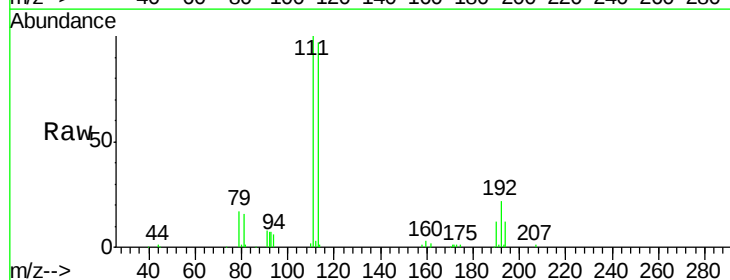
Tgt Ion:113 Resp: 109891

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

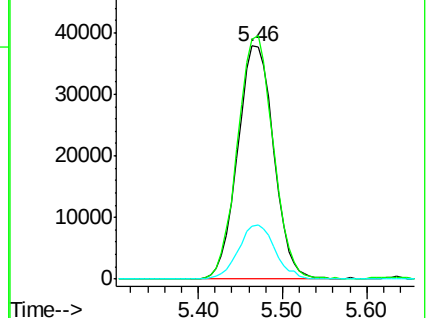
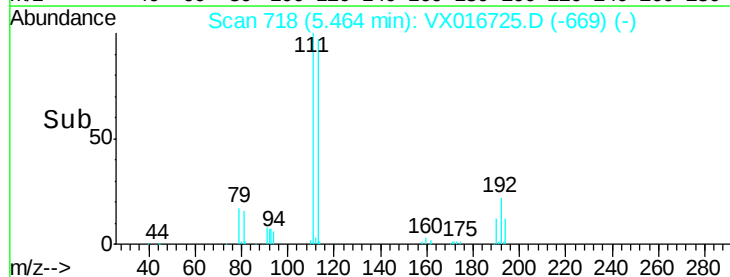
192 23.3 17.7 26.5

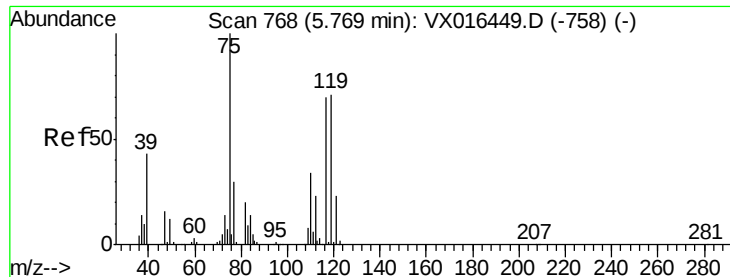


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

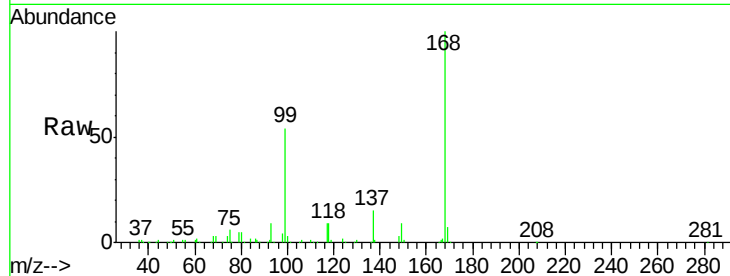




#36
 1,1-Dichloropropene
 Concen: 4.500 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016725.D
 Acq: 12 Jun 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :

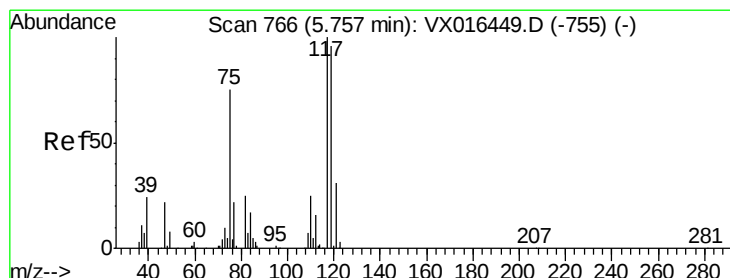
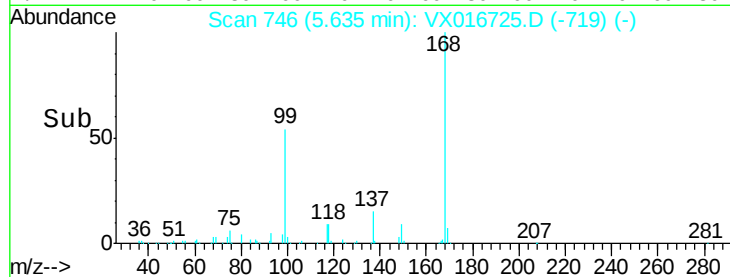
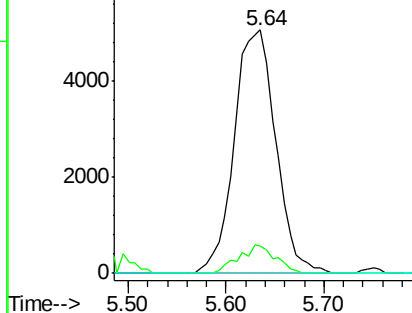
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.4	52.3#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016725.D (-719) (-)

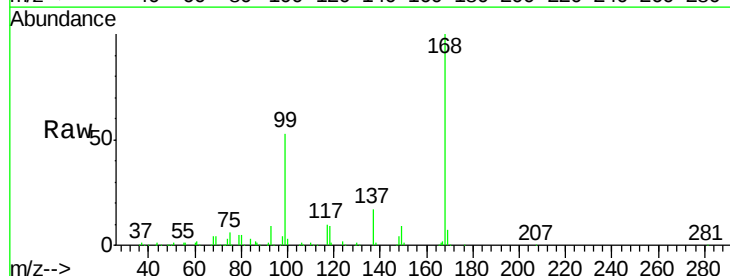
Ion 109.90 (109.60 to 110.60): VX016725.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016725.D (-719) (-)



#38
 Carbon Tetrachloride
 Concen: 6.085 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016725.D
 Acq: 12 Jun 2020 14:02

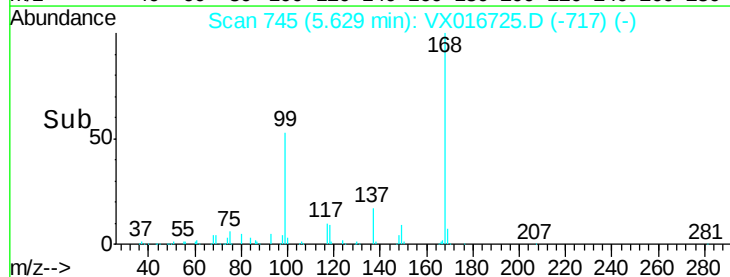
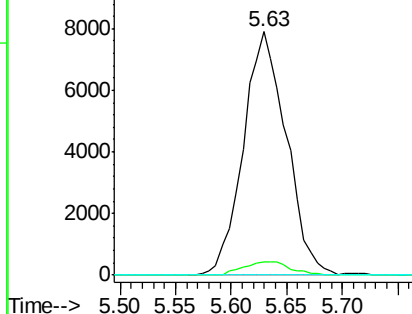
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.3	114.5#
121	0.0	24.6	37.0#

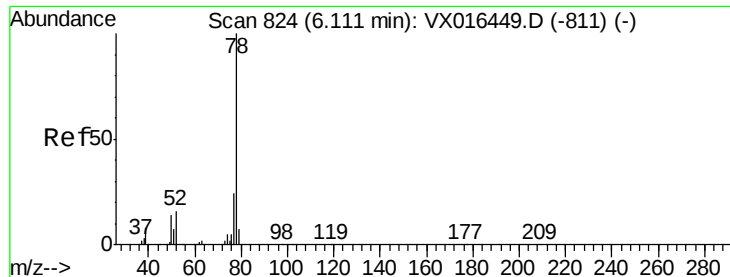


Abundance Ion 116.80 (116.50 to 117.50): VX016725.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016725.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016725.D (-717) (-)





#40

Benzene

Concen: 0.753 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

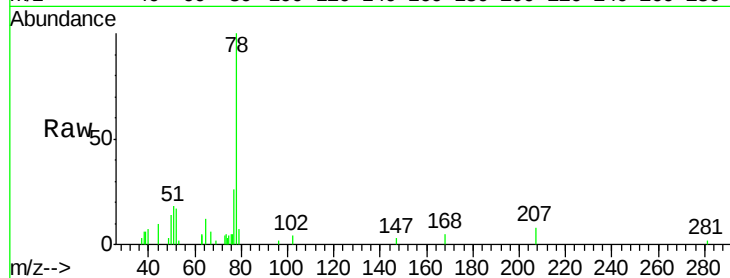
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 78 Resp: 7433

Ion Ratio Lower Upper

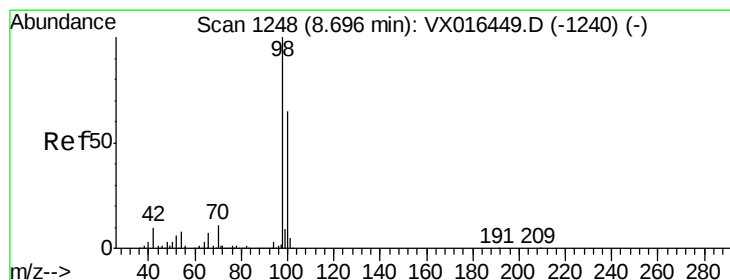
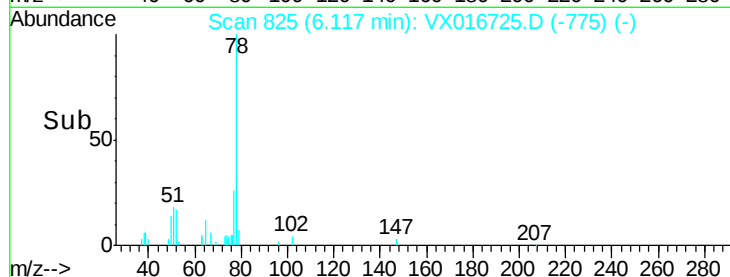
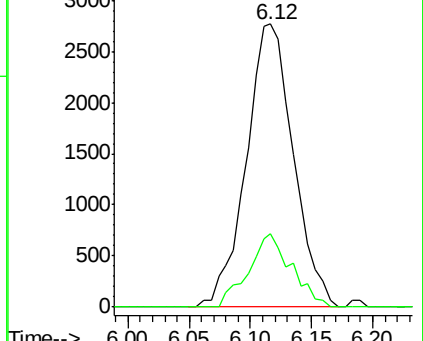
78 100

77 26.0 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.106 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016725.D

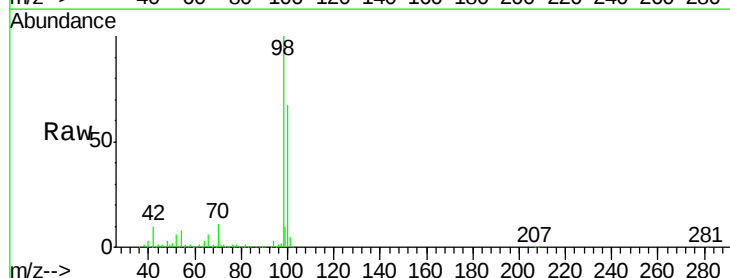
Acq: 12 Jun 2020 14:02

Tgt Ion: 98 Resp: 428797

Ion Ratio Lower Upper

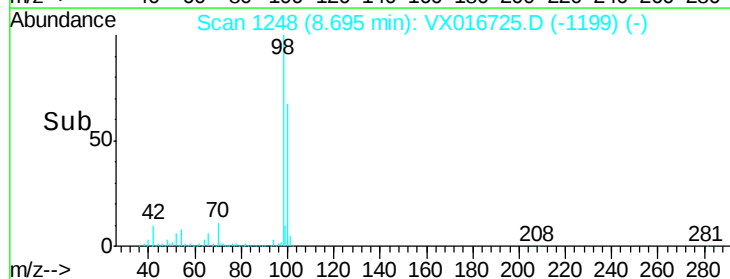
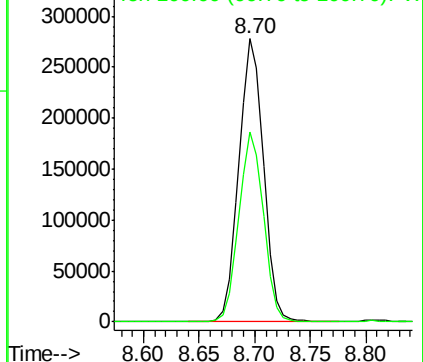
98 100

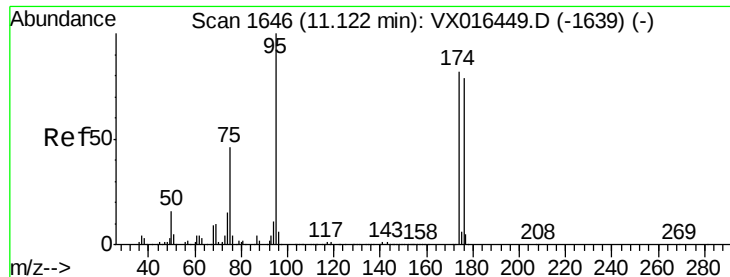
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.609 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

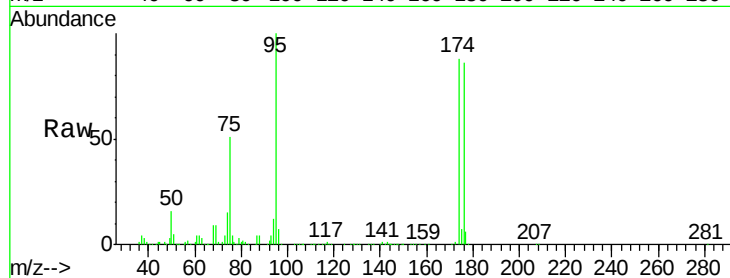
Tot Ion: 95 Resp: 173803

Ion Ratio Lower Upper

95 100

174 85.6 0.0 163.0

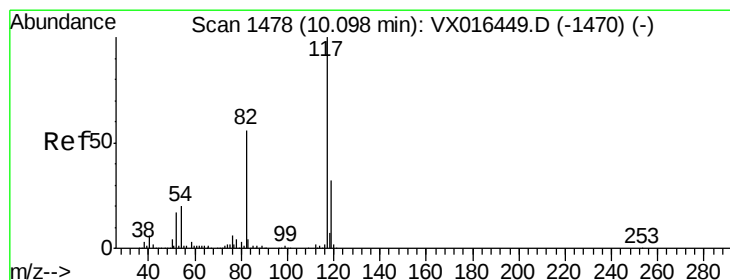
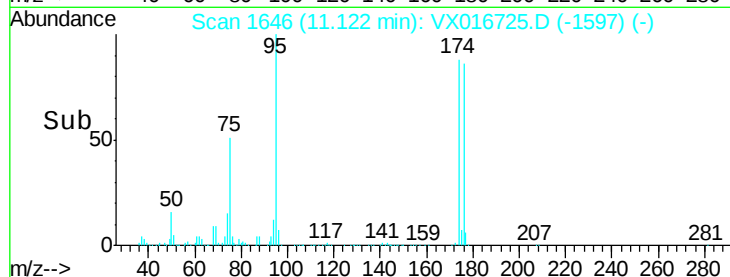
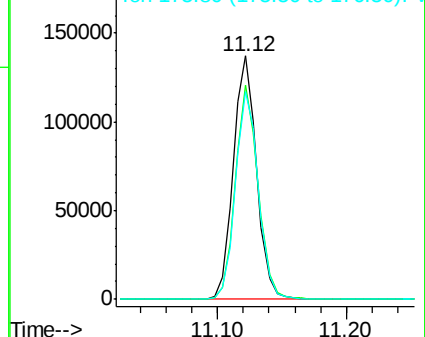
176 84.1 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016449.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016449.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

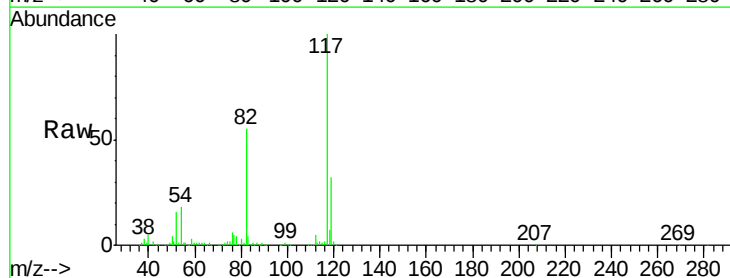
Tgt Ion: 117 Resp: 357764

Ion Ratio Lower Upper

117 100

82 55.1 45.0 67.6

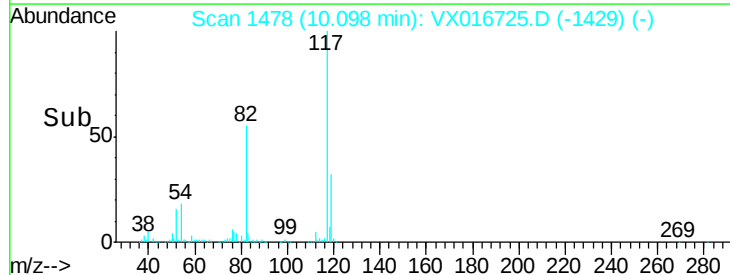
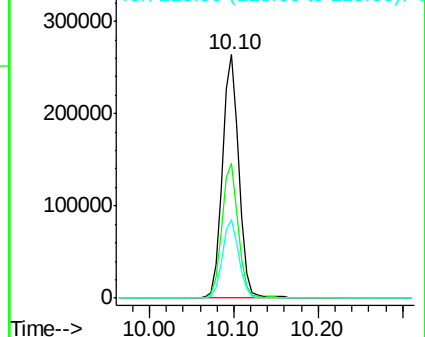
119 32.5 25.8 38.8

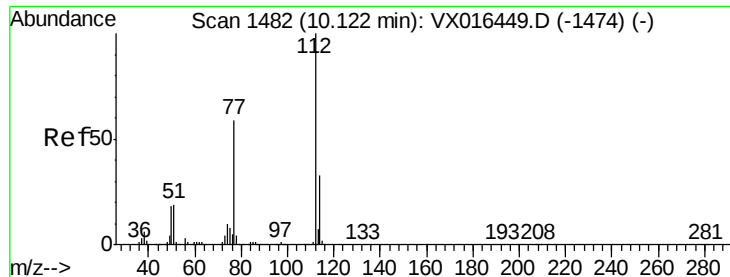


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016449.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016449.D (-1470) (-)

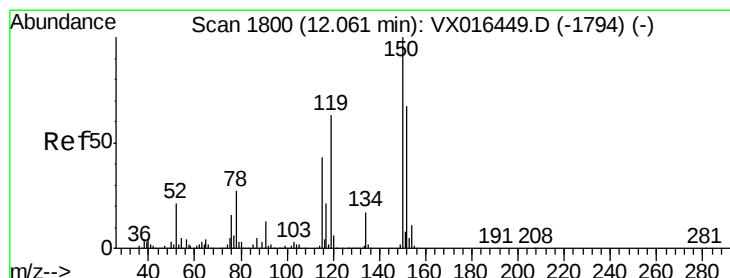
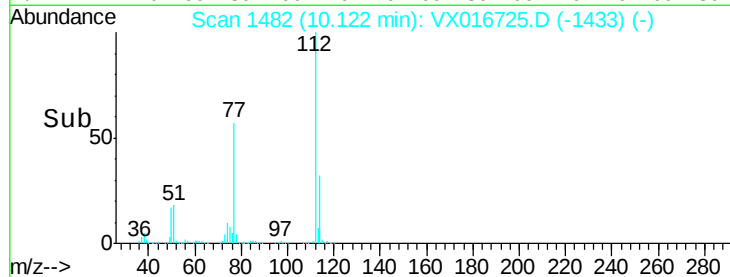
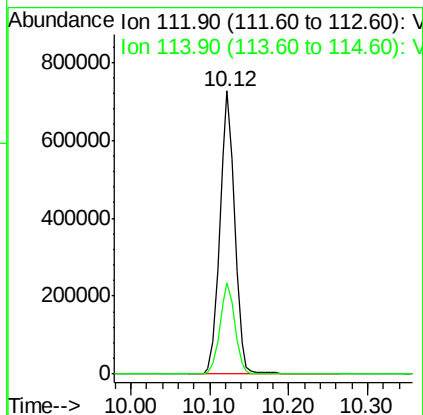
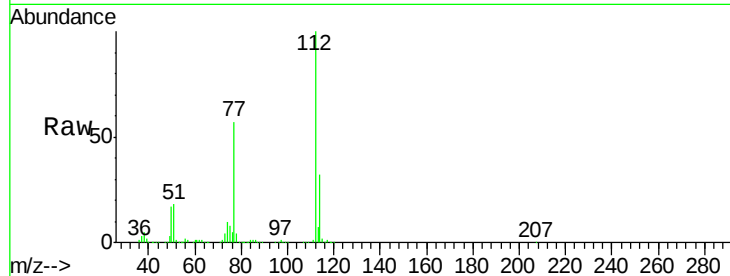




#65
Chlorobenzene
Concen: 130.608 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

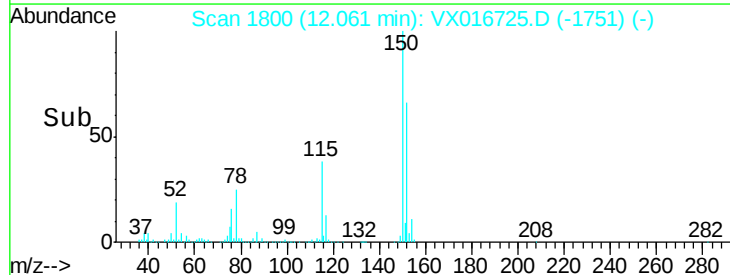
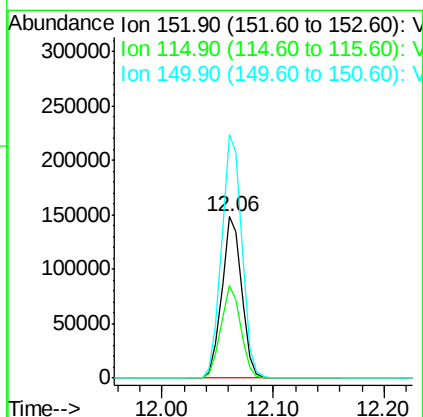
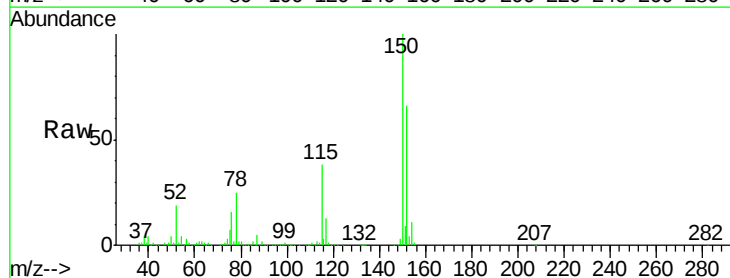
Instrument :
MSVOA_X
ClientSampled :

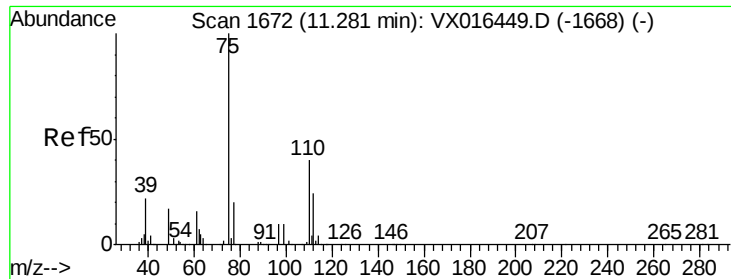
Tot Ion:112 Resp: 952632
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016725.D
Acq: 12 Jun 2020 14:02

Tgt Ion:152 Resp: 182155
Ion Ratio Lower Upper
152 100
115 57.1 39.9 119.6
150 154.4 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 20.956 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

Instrument :

MSVOA_X

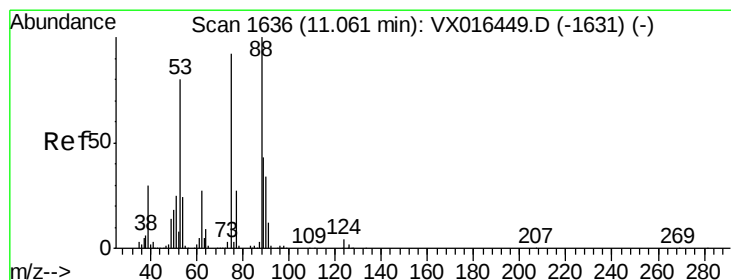
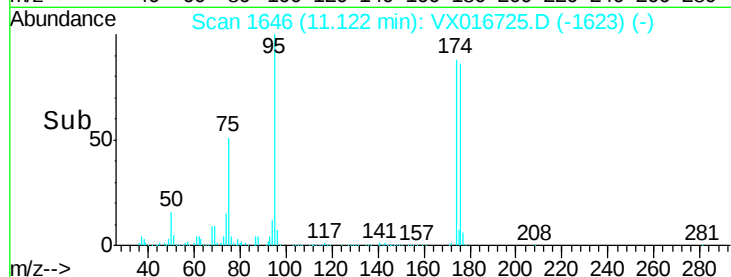
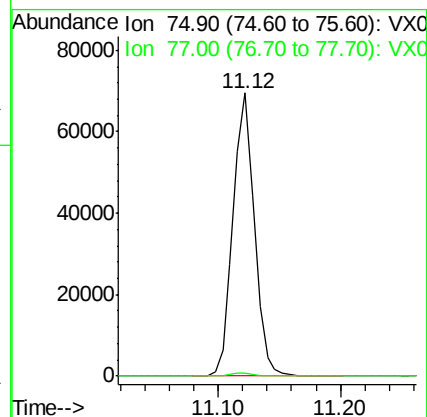
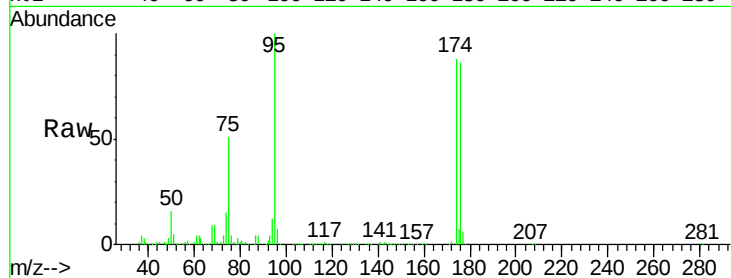
ClientSampleId :

Tot Ion: 75 Resp: 83906

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.549 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

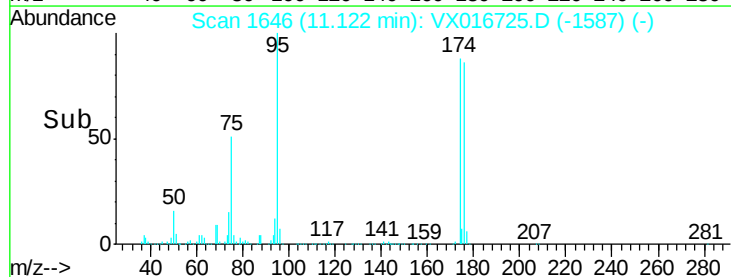
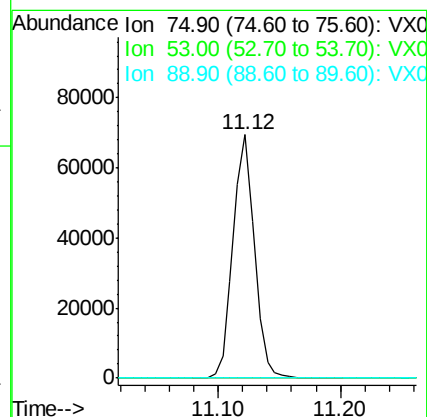
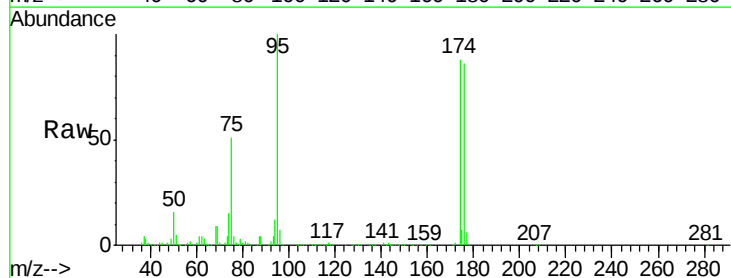
Tgt Ion: 75 Resp: 83906

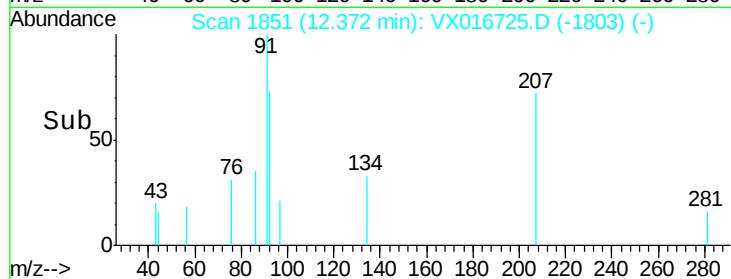
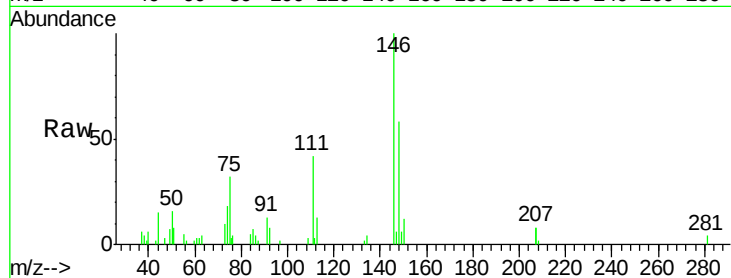
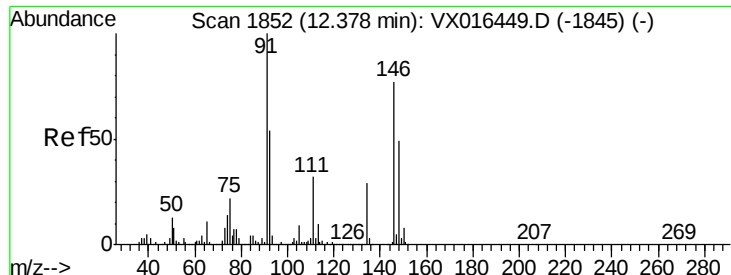
Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#





#91

1,2-Dichlorobenzene

Concen: 0.758 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX016725.D

Acq: 12 Jun 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:146 Resp: 4211

Ion Ratio Lower Upper

146 100

111 43.2 21.4 64.3

148 72.0 31.9 95.7

