

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016586.D
 Acq On : 04 Jun 2020 17:07
 Operator : JC/SP
 Sample : L2894-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:22:54 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	5.64	168	232724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	379690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	379752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192550	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	140455	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	5.47	113	112155	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	8.70	98	465739	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.12	95	187791	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	

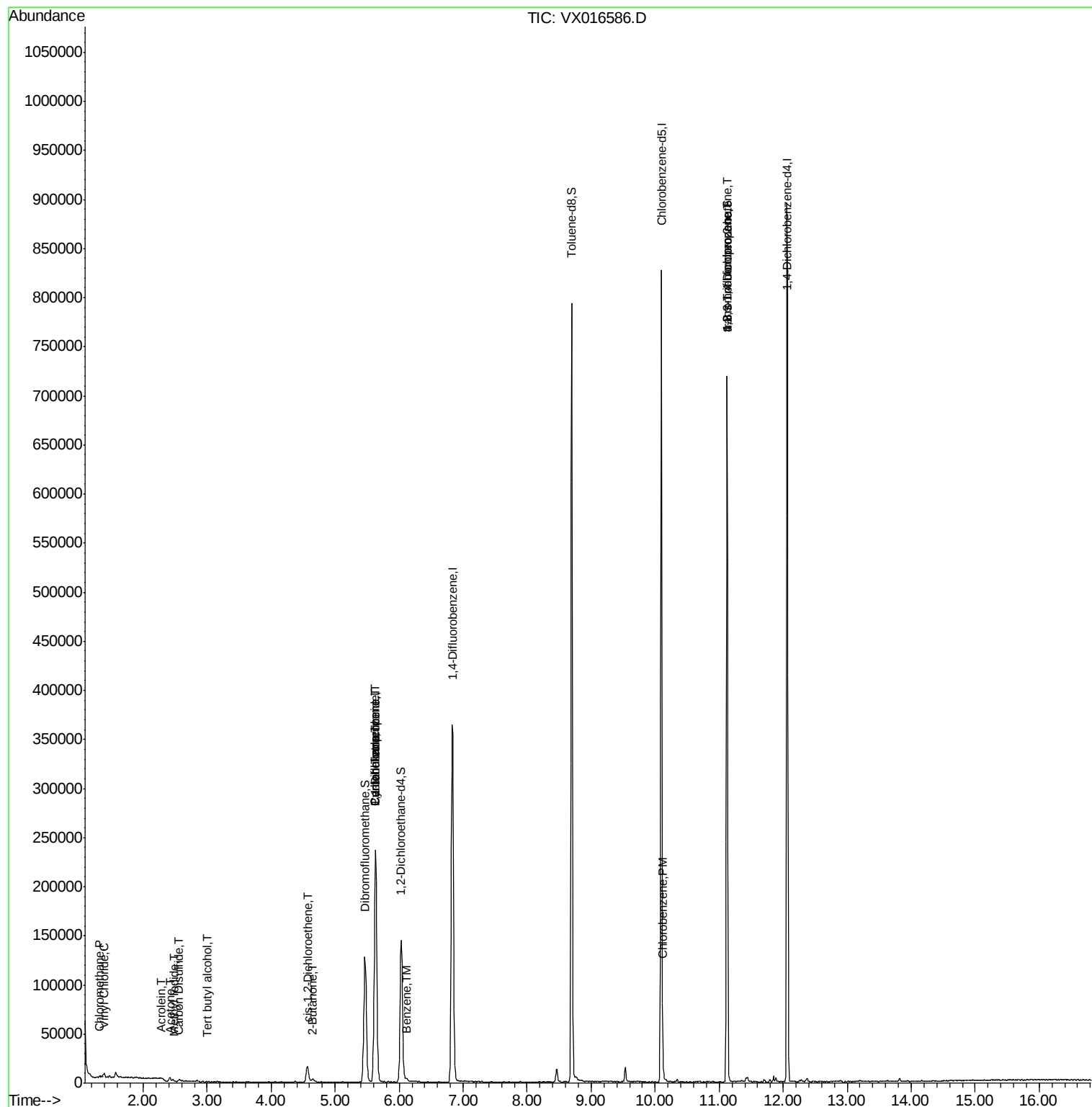
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	776	0.280	ug/l #	87
4) Vinyl Chloride	1.39	62	2119	0.724	ug/l	94
10) Methyl Iodide	2.49	142	52	3.075	ug/l #	40
11) Tert butyl alcohol	3.00	59	150	0.202	ug/l #	72
13) Acrolein	2.28	56	253	0.803	ug/l #	20
16) Acetone	2.42	43	4343	3.430	ug/l	94
17) Carbon Disulfide	2.56	76	2411	0.363	ug/l	98
25) 2-Butanone	4.64	43	891	0.415	ug/l #	49
27) cis-1,2-Dichloroethene	4.57	96	10568	3.688	ug/l	88
31) Cyclohexane	5.63	56	4523	1.126	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16191	4.504	ug/l #	51
38) Carbon Tetrachloride	5.64	117	22502	5.956	ug/l #	17
40) Benzene	6.12	78	3777	0.353	ug/l #	78
65) Chlorobenzene	10.12	112	3197	0.413	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	91417	21.600	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	91417	53.132	ug/l #	14

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

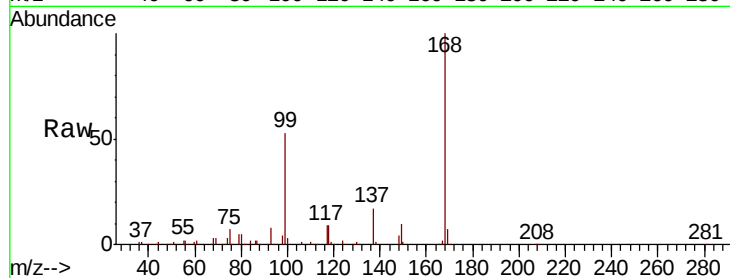
ClientSampleId :

Tot Ion:168 Resp: 232724

Ion Ratio Lower Upper

168 100

99 53.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

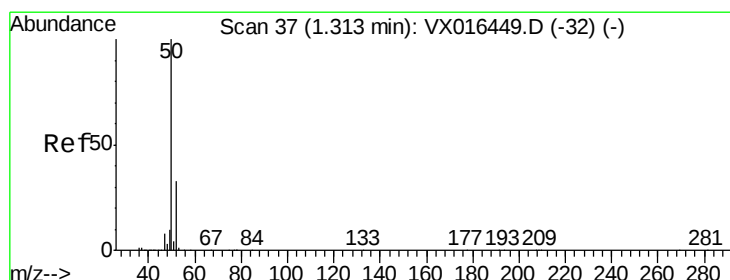
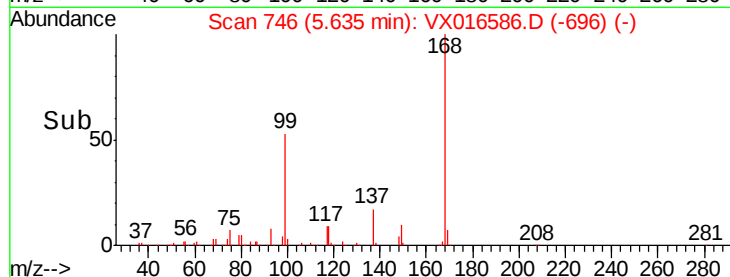
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.280 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016586.D

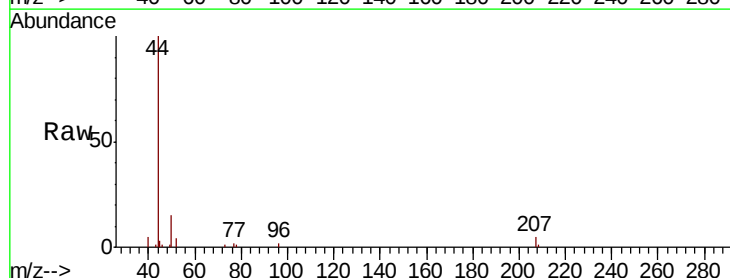
Acq: 04 Jun 2020 17:07

Tgt Ion: 50 Resp: 776

Ion Ratio Lower Upper

50 100

52 25.5 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

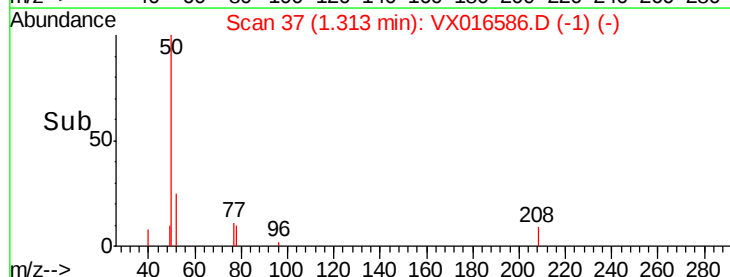
600

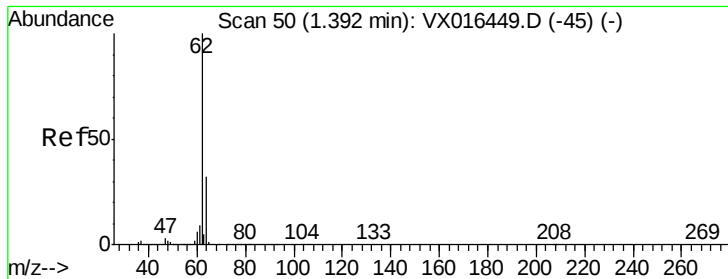
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.724 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

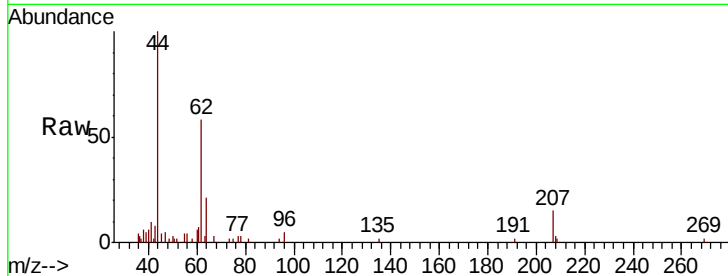
ClientSampleId :

Tot Ion: 62 Resp: 2119

Ion Ratio Lower Upper

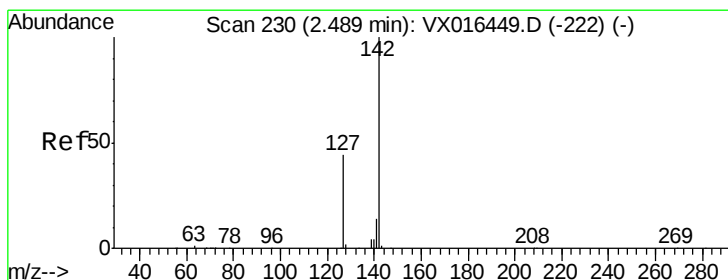
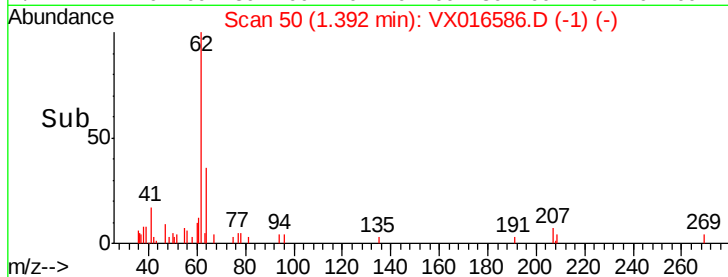
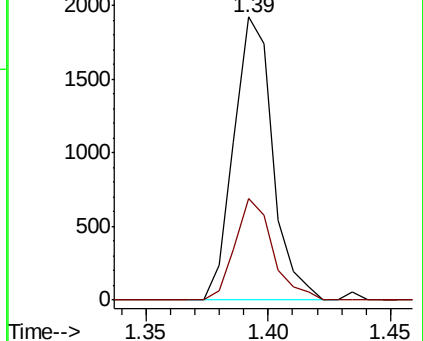
62 100

64 35.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 3.075 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

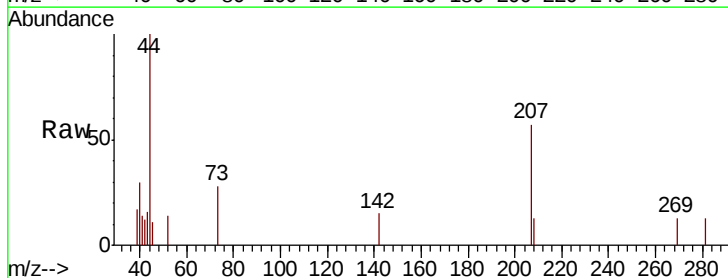
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

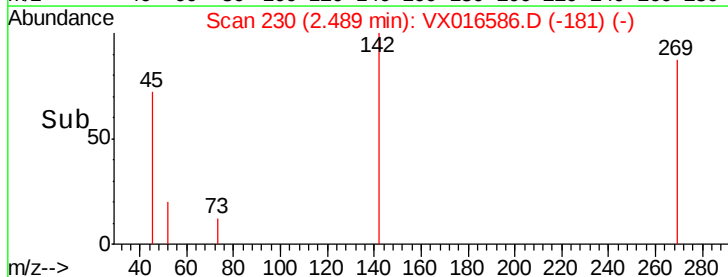
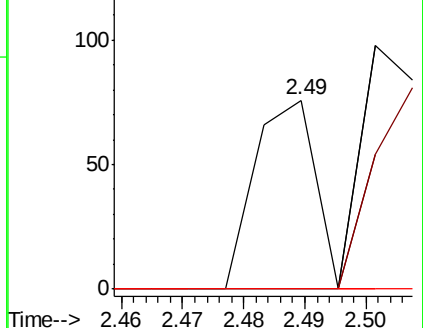
141 0.0 11.4 17.2#

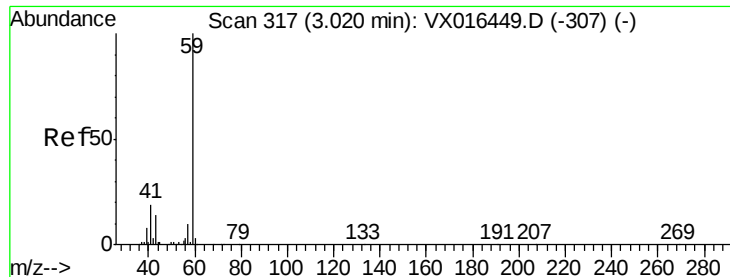


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

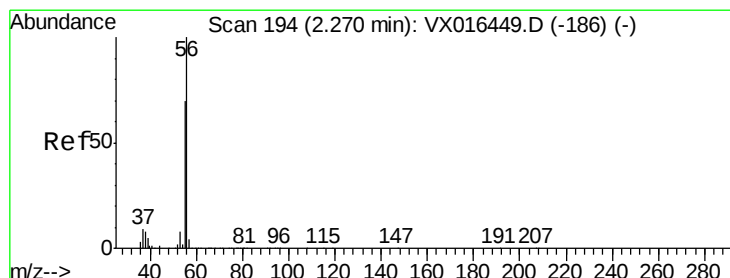
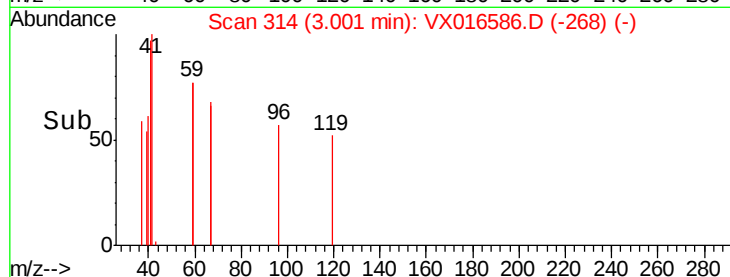
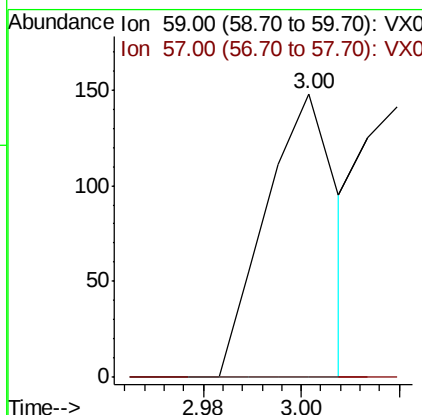
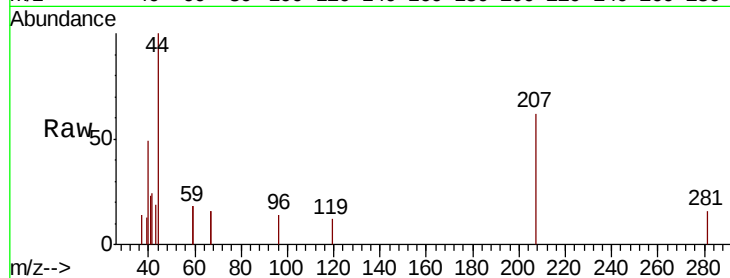




#11
Tert butyl alcohol
Concen: 0.202 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX016586.D
Acq: 04 Jun 2020 17:07

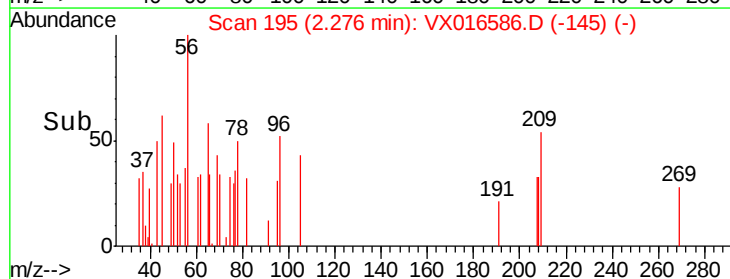
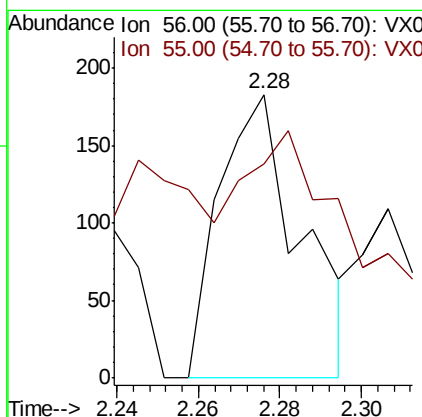
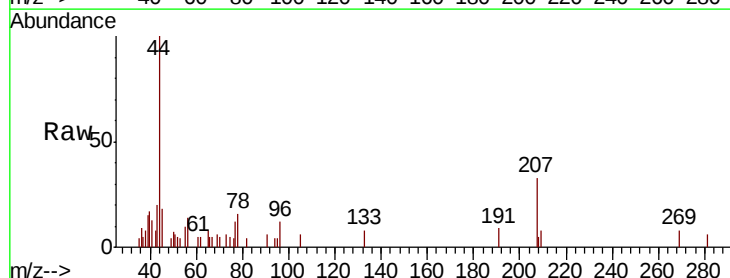
Instrument :
MSVOA_X
ClientSampled :

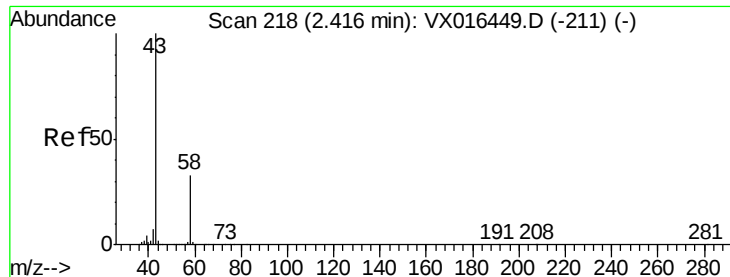
Tot Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.803 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016586.D
Acq: 04 Jun 2020 17:07

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 139.9 58.3 87.5#





#16

Acetone

Concen: 3.430 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

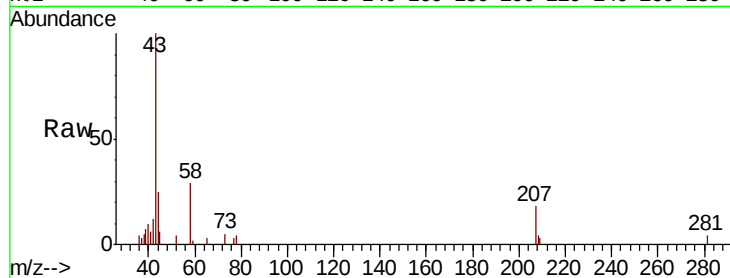
ClientSampled :

Tot Ion: 43 Resp: 4343

Ion Ratio Lower Upper

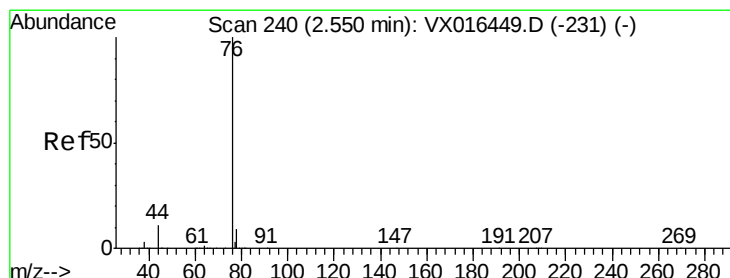
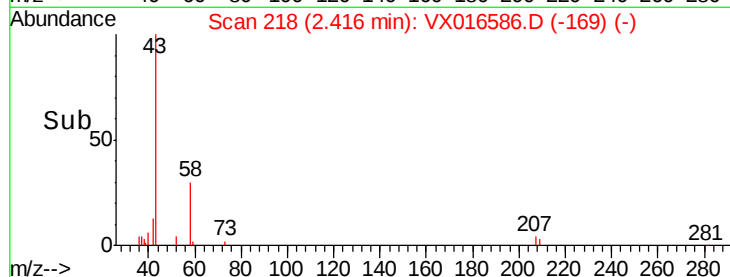
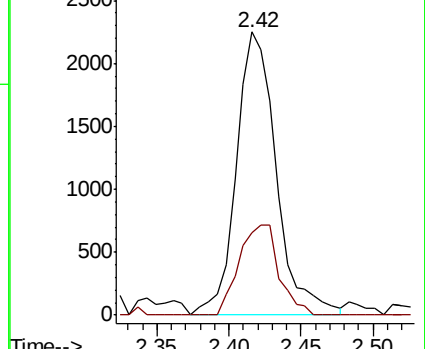
43 100

58 29.0 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: 0.363 ug/l

RT: 2.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VX016586.D

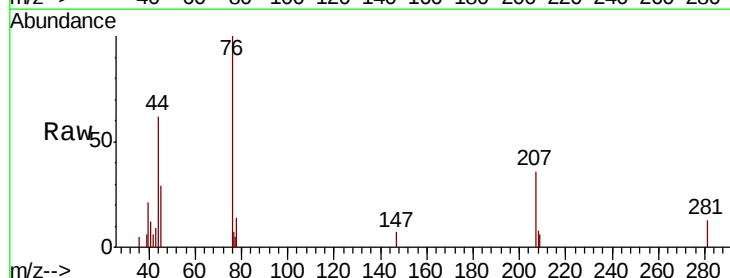
Acq: 04 Jun 2020 17:07

Tgt Ion: 76 Resp: 2411

Ion Ratio Lower Upper

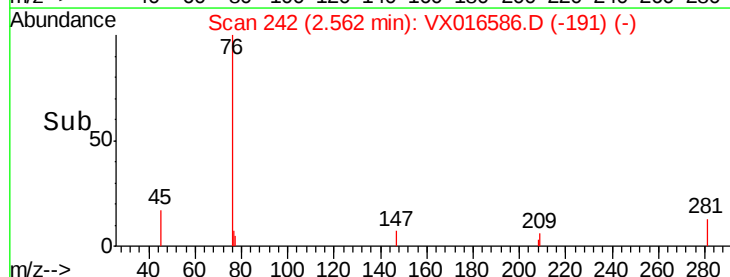
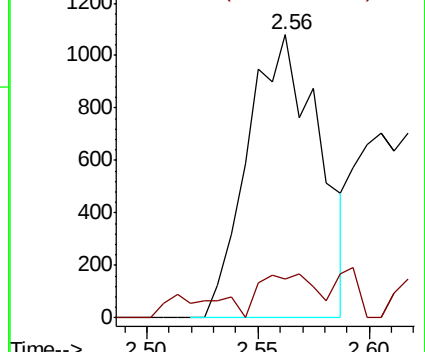
76 100

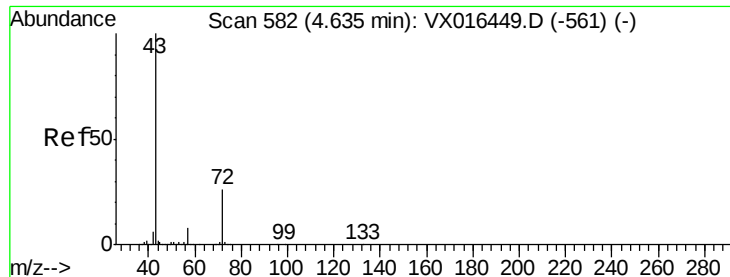
78 8.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.415 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

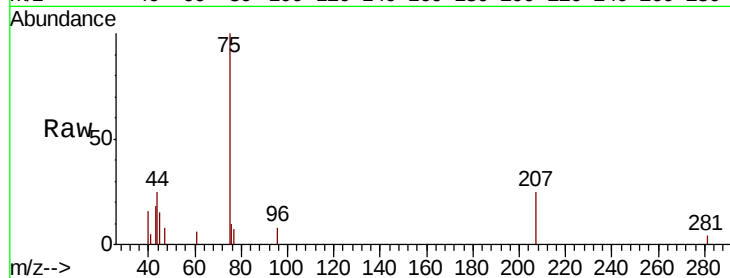
ClientSampleId :

Tot Ion: 43 Resp: 891

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

4.64

250

200

150

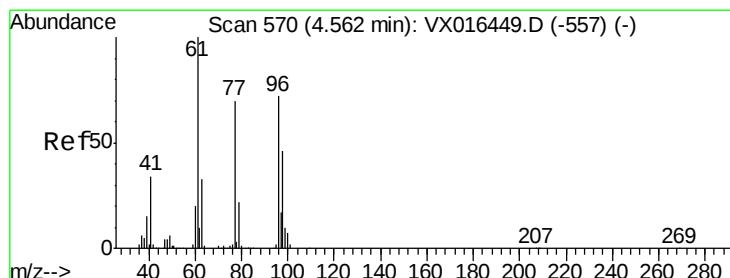
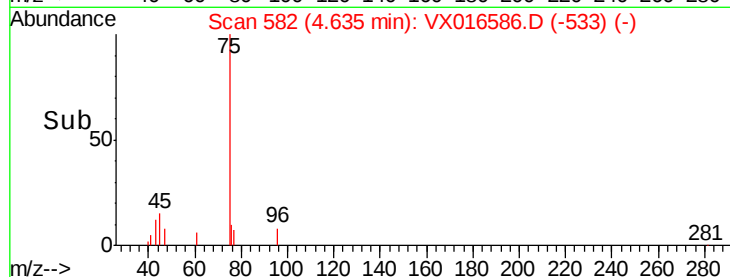
100

50

0

4.55 4.60 4.65 4.70 4.75

Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.688 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

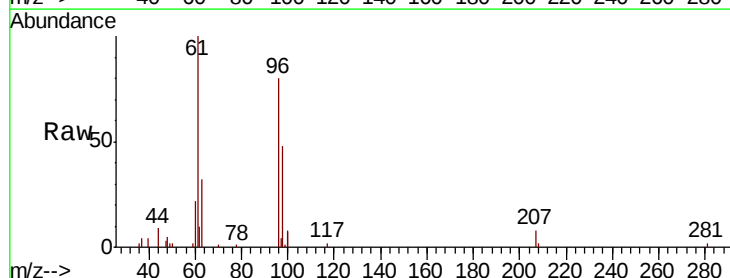
Tgt Ion: 96 Resp: 10568

Ion Ratio Lower Upper

96 100

61 120.8 0.0 284.6

98 63.0 0.0 127.2



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

6000

5000

4000

3000

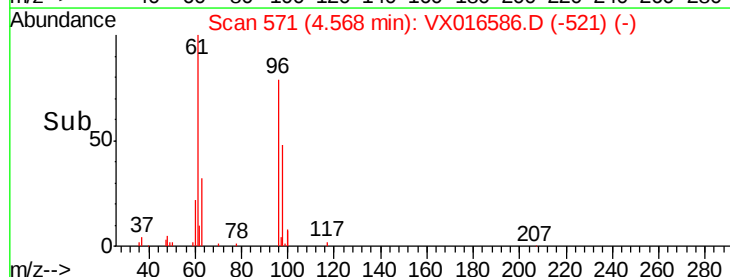
2000

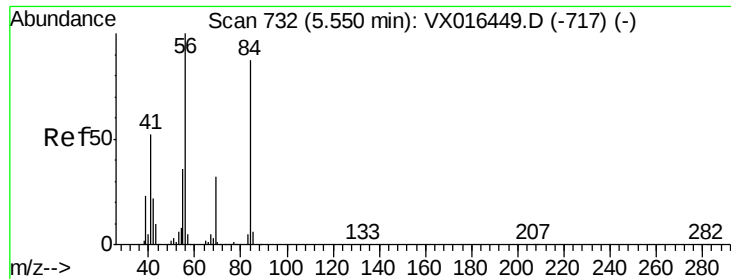
1000

0

4.50 4.55 4.60 4.65 4.70

Time-->

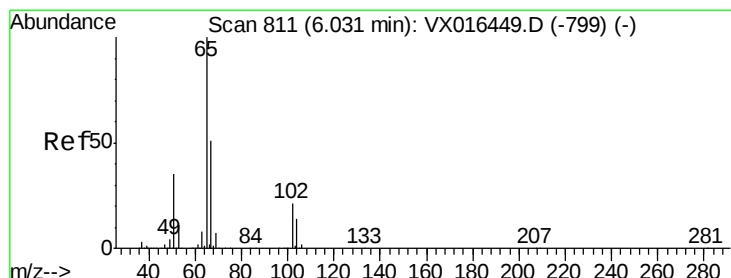
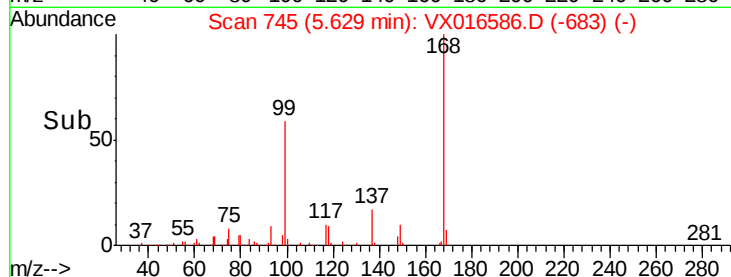
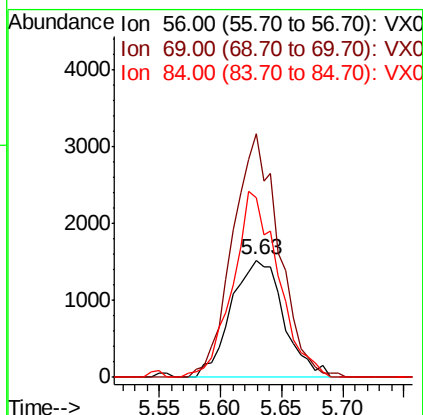
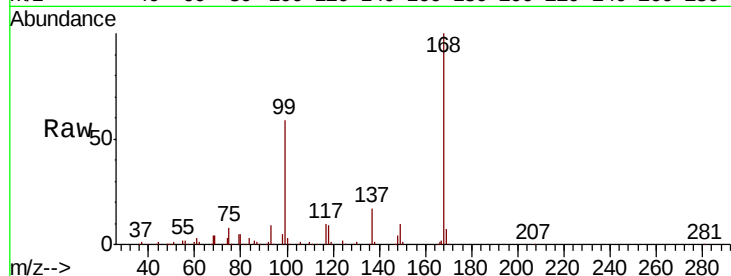




#31
Cyclohexane
Concen: 1.126 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016586.D
Acq: 04 Jun 2020 17:07

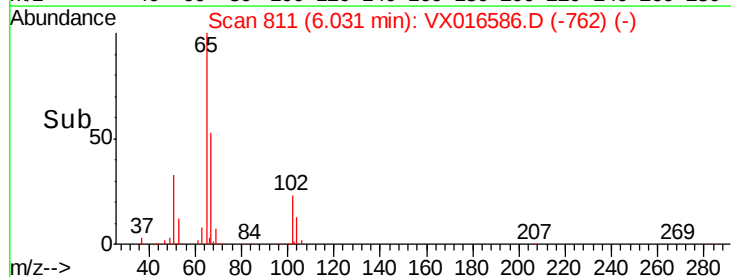
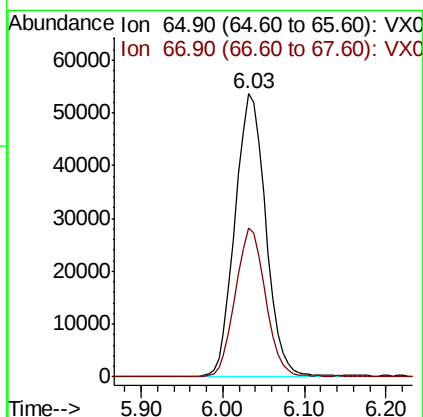
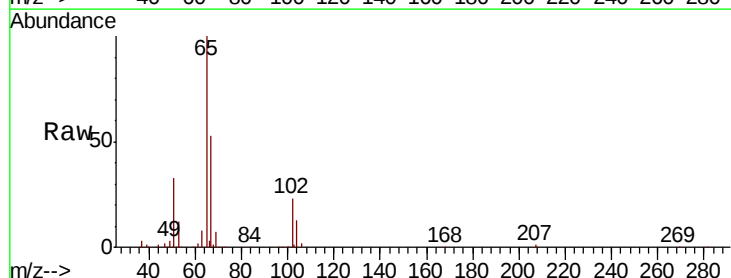
Instrument :
MSVOA_X
ClientSampleId :

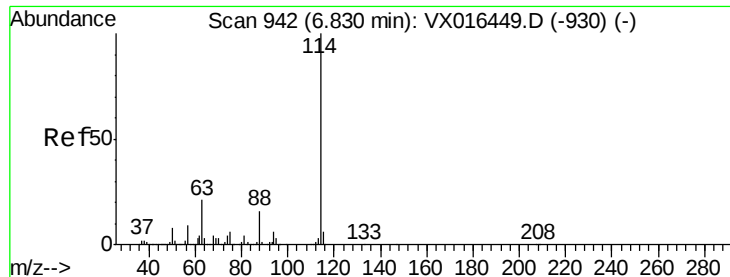
Tot Ion: 56 Resp: 4523
Ion Ratio Lower Upper
56 100
69 207.6 25.7 38.5#
84 152.7 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.598 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016586.D
Acq: 04 Jun 2020 17:07

Tgt Ion: 65 Resp: 140455
Ion Ratio Lower Upper
65 100
67 51.6 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: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

ClientSampleId :

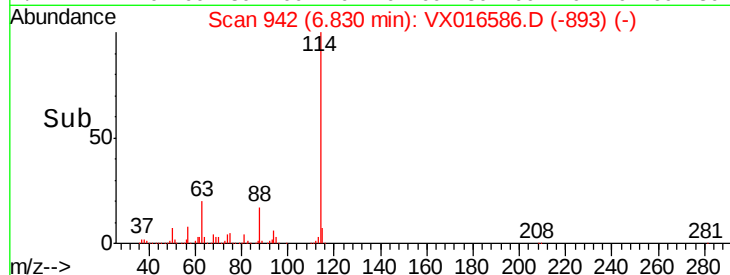
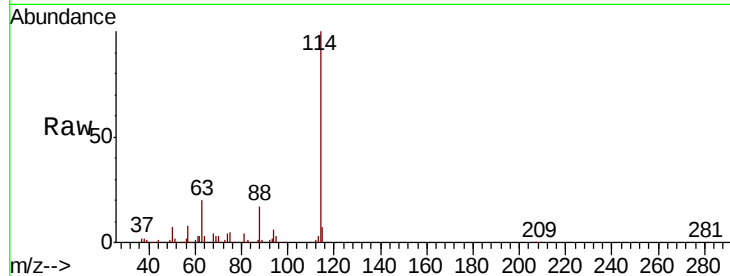
Tot Ion:114 Resp: 379690

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

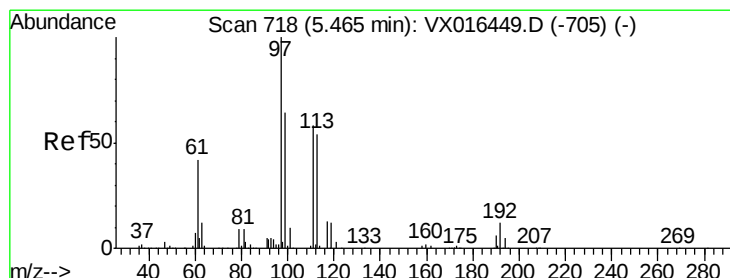
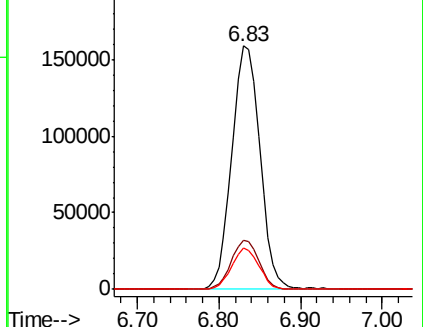
88 17.1 0.0 32.8



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: 47.972 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

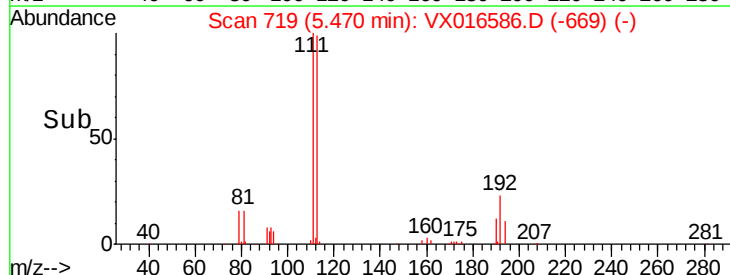
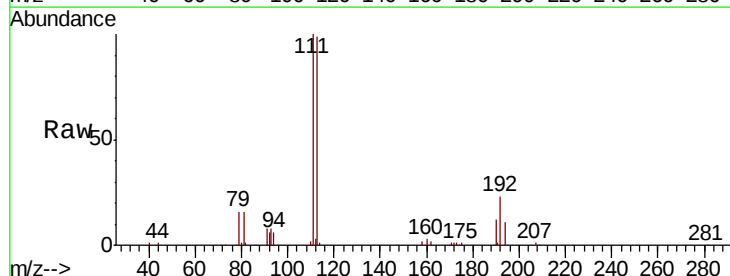
Tgt Ion:113 Resp: 112155

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

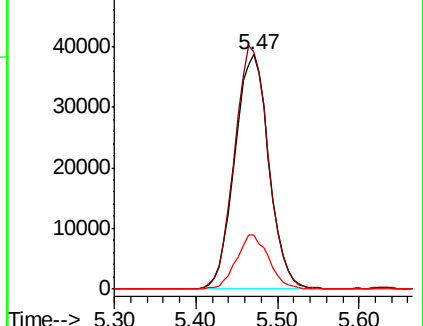
192 21.9 17.7 26.5

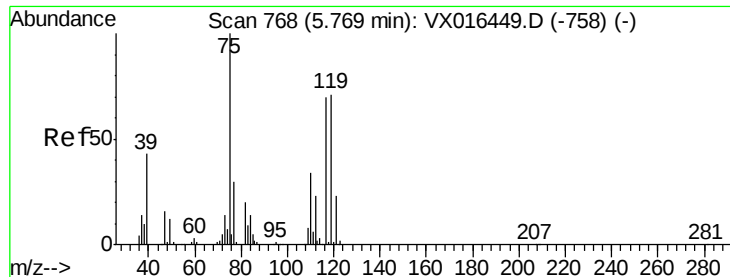


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

ClientSampleId :

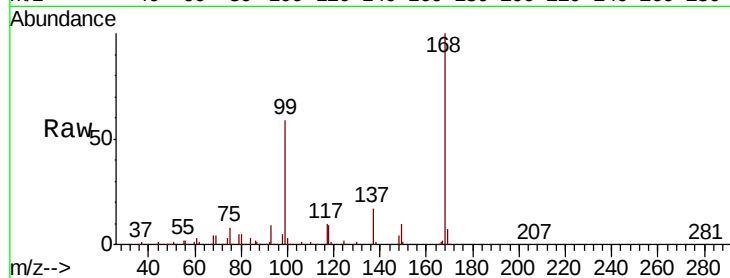
Tot Ion: 75 Resp: 16191

Ion Ratio Lower Upper

75 100

110 9.7 17.4 52.3#

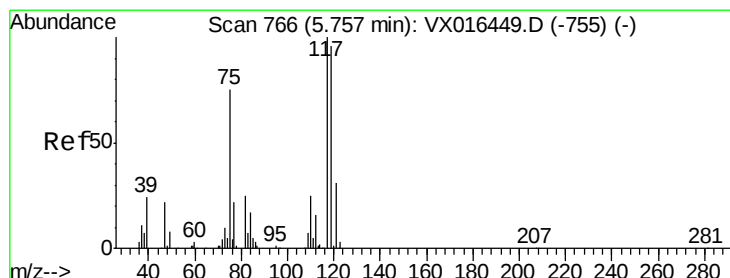
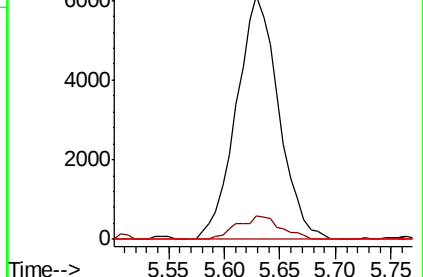
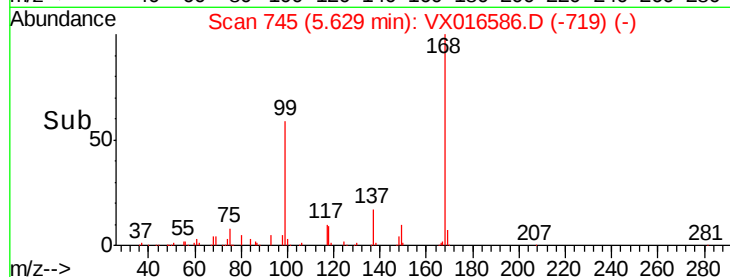
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016586.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016586.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016586.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.956 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

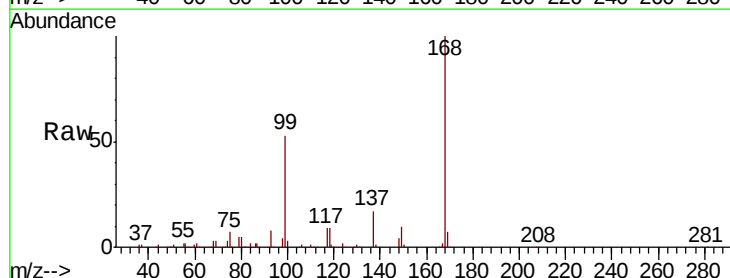
Tgt Ion: 117 Resp: 22502

Ion Ratio Lower Upper

117 100

119 6.5 76.3 114.5#

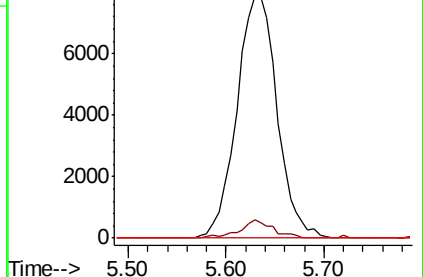
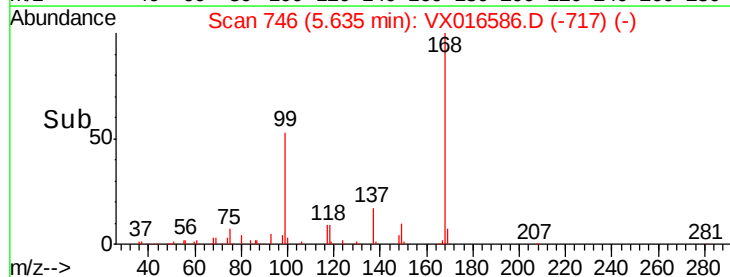
121 0.0 24.6 37.0#

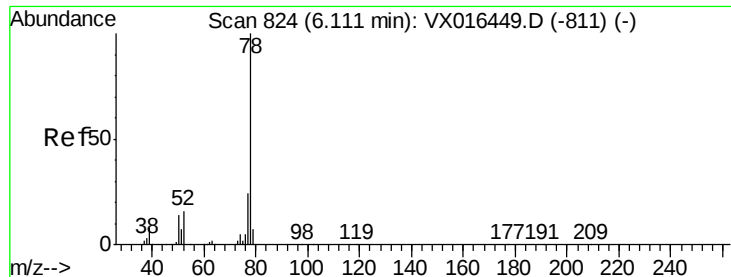


Abundance Ion 116.80 (116.50 to 117.50): VX016586.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016586.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016586.D (-717) (-)





#40

Benzene

Concen: 0.353 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

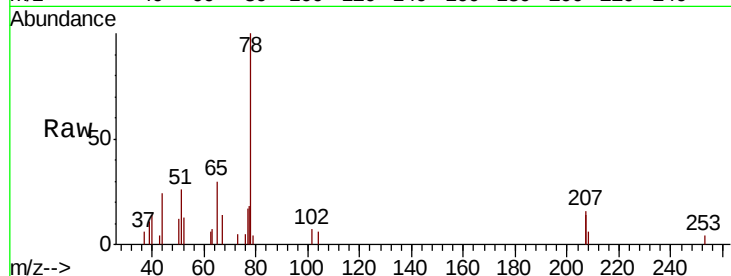
ClientSampleId :

Tot Ion: 78 Resp: 3777

Ion Ratio Lower Upper

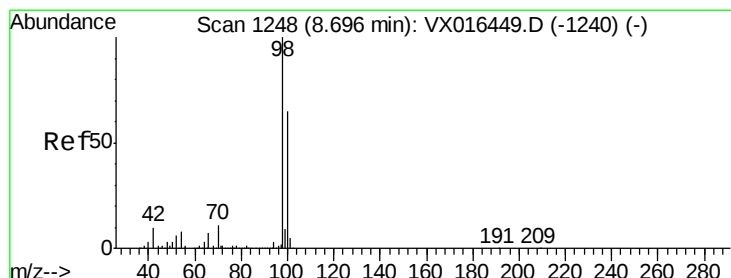
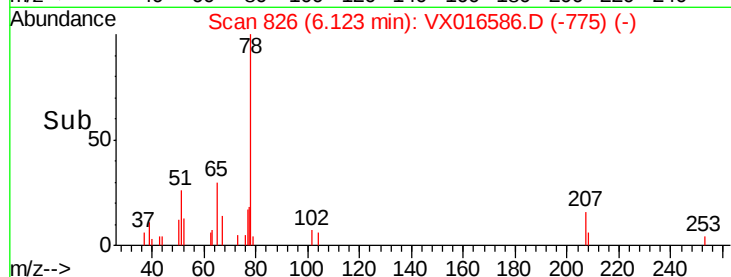
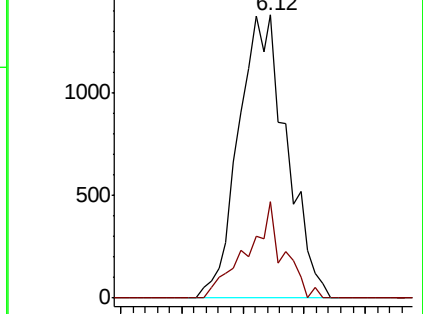
78 100

77 34.2 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: 51.182 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016586.D

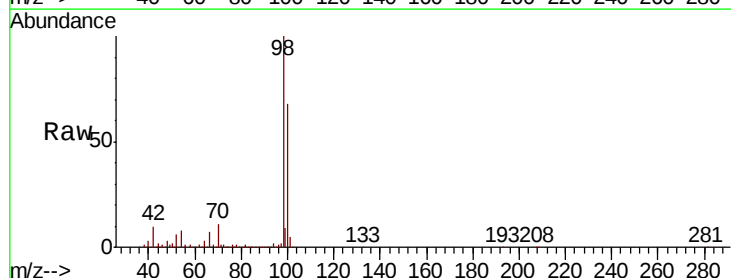
Acq: 04 Jun 2020 17:07

Tgt Ion: 98 Resp: 465739

Ion Ratio Lower Upper

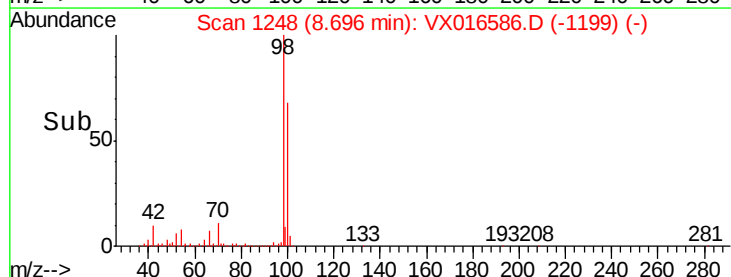
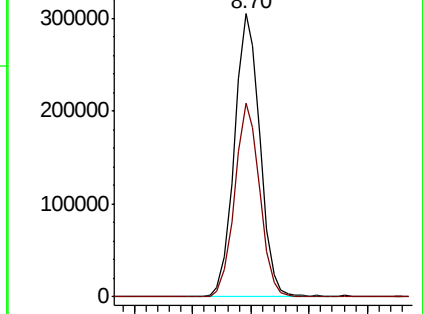
98 100

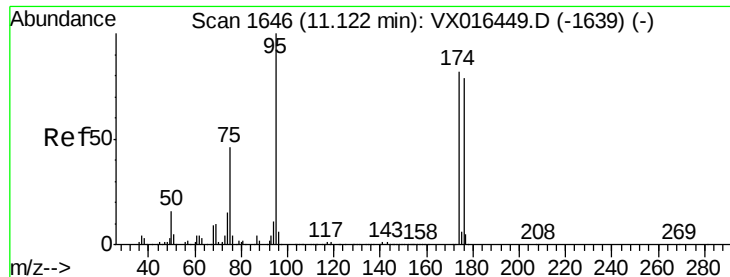
100 67.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.409 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

ClientSampleId :

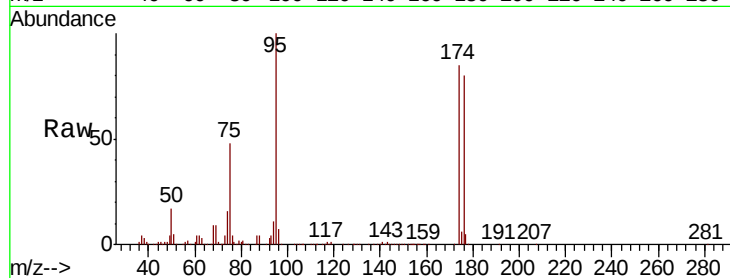
Tot Ion: 95 Resp: 187791

Ion Ratio Lower Upper

95 100

174 85.2 0.0 163.0

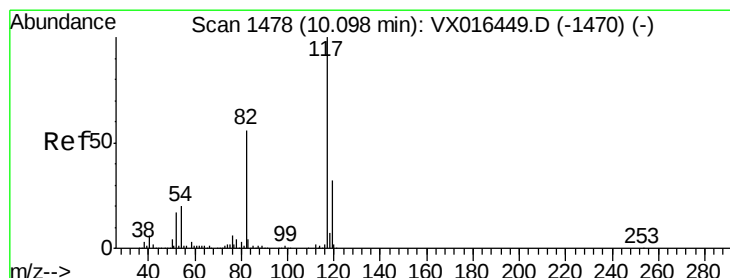
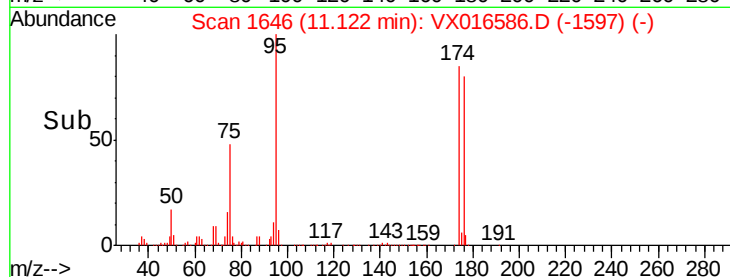
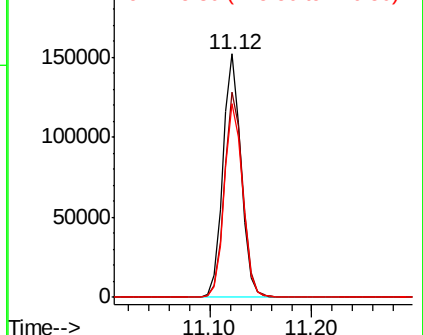
176 80.9 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

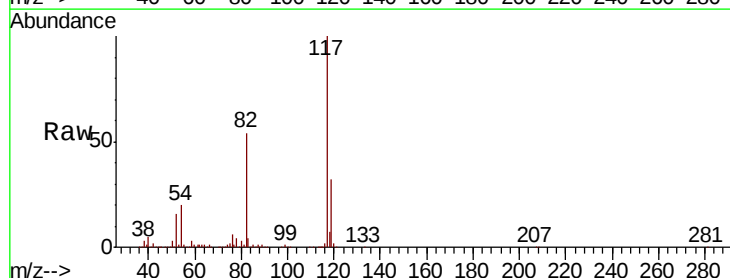
Tgt Ion: 117 Resp: 379752

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.6

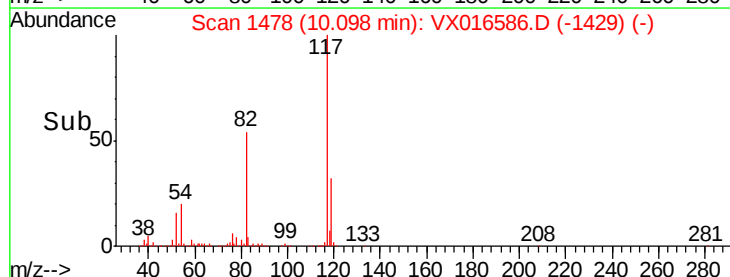
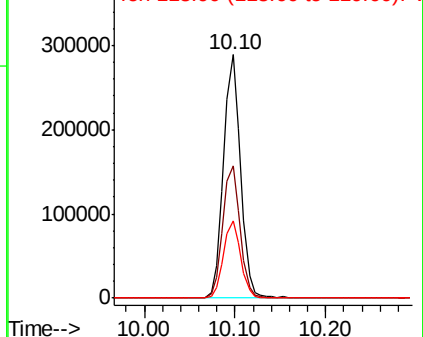
119 31.8 25.8 38.8

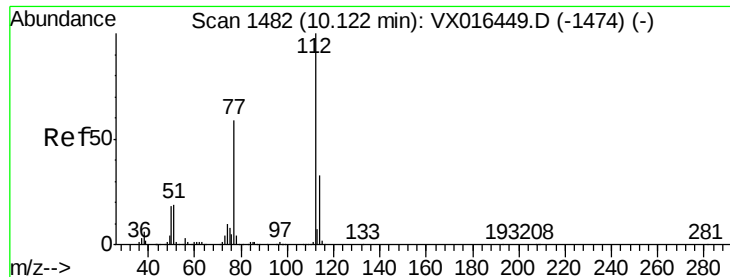


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

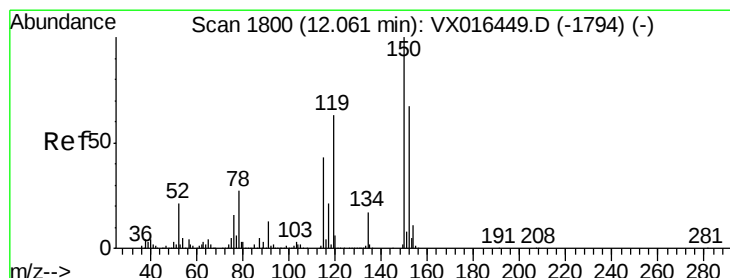
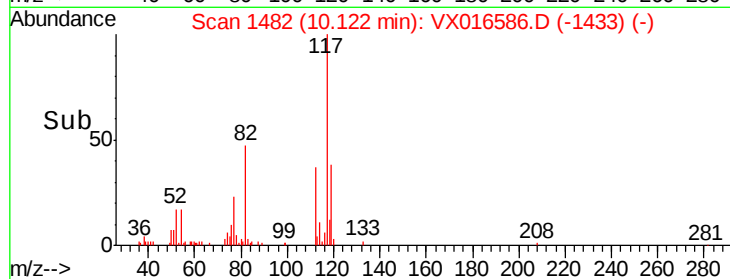
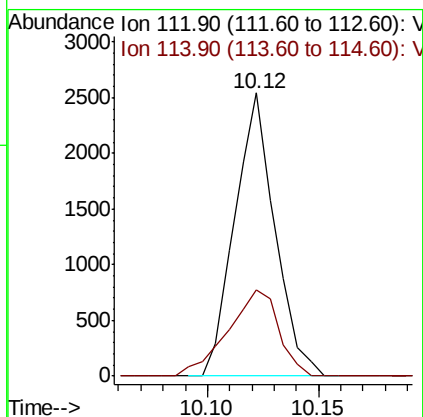
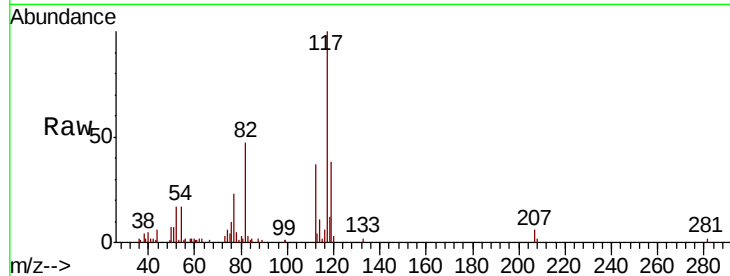




#65
Chlorobenzene
Concen: 0.413 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016586.D
Acq: 04 Jun 2020 17:07

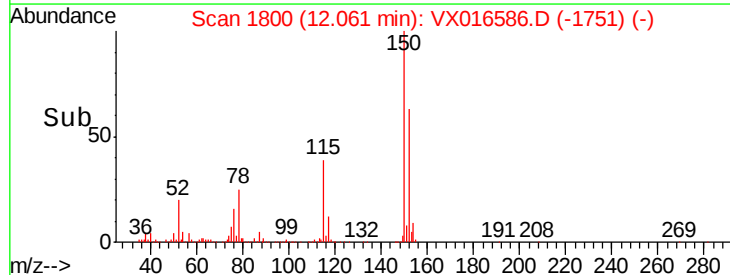
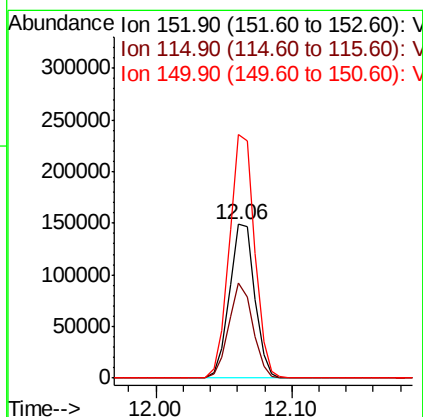
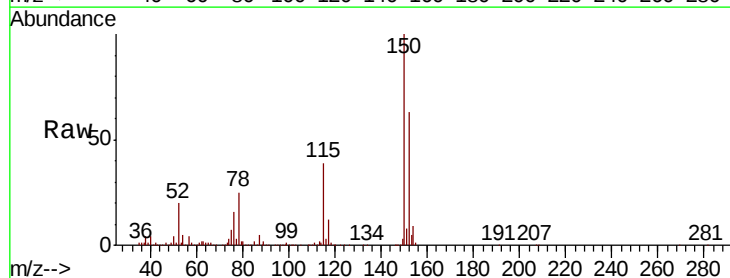
Instrument :
MSVOA_X
ClientSampleId :

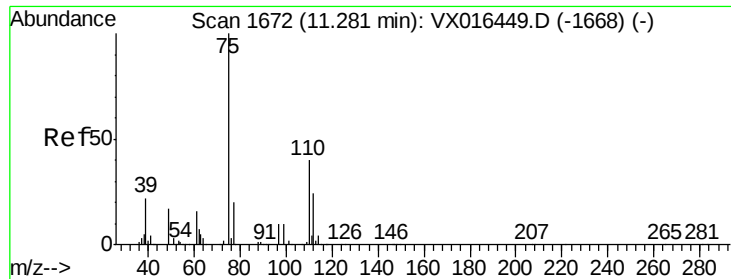
Tot Ion:112 Resp: 3197
Ion Ratio Lower Upper
112 100
114 30.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016586.D
Acq: 04 Jun 2020 17:07

Tgt Ion:152 Resp: 192550
Ion Ratio Lower Upper
152 100
115 58.6 39.9 119.6
150 157.5 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.600 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Instrument :

MSVOA_X

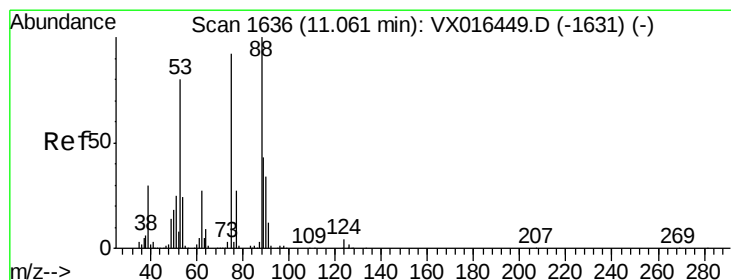
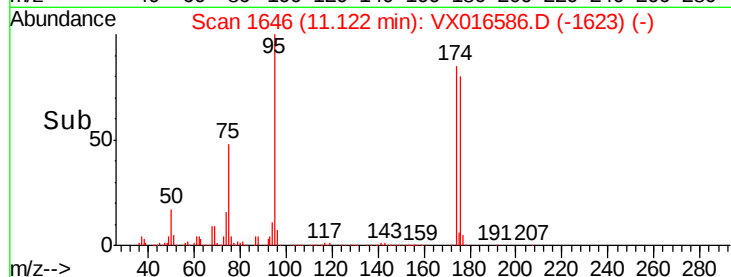
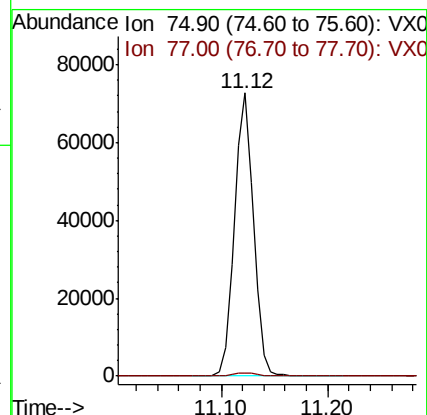
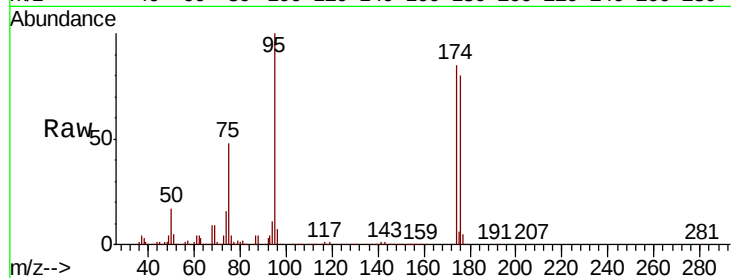
ClientSampleId :

Tot Ion: 75 Resp: 91417

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.132 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016586.D

Acq: 04 Jun 2020 17:07

Tgt Ion: 75 Resp: 91417

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

