

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010449.D
 Acq On : 26 Jun 2019 09:55
 Operator : JC/SP
 Sample : VU0626WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:09:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	244612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	376632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144963	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114636	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	5.49	113	114985	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	8.71	98	439691	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	142803	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

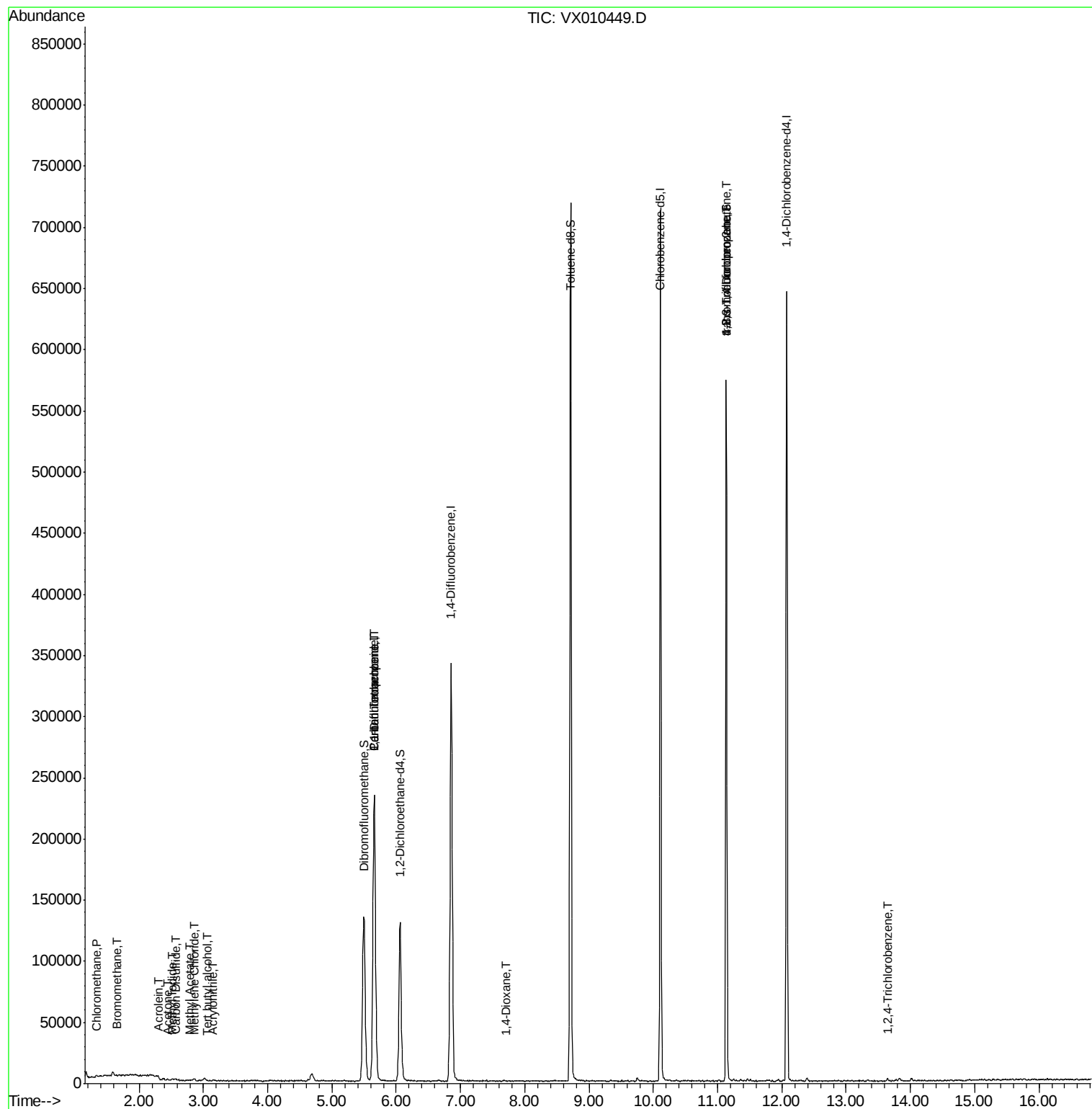
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	495	0.250	ug/l #	68
5) Bromomethane	1.65	94	567	0.537	ug/l #	77
10) Methyl Iodide	2.51	142	1008	0.339	ug/l #	90
11) Tert butyl alcohol	3.06	59	139	0.232	ug/l #	71
13) Acrolein	2.29	56	506	1.271	ug/l	90
15) Acrylonitrile	3.14	53	406	0.342	ug/l #	44
16) Acetone	2.44	43	601	0.523	ug/l #	58
17) Carbon Disulfide	2.57	76	1800	0.316	ug/l #	94
18) Methyl Acetate	2.78	43	568	0.248	ug/l	92
20) Methylene Chloride	2.86	84	499	0.211	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	15155	5.064	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21182	6.536	ug/l #	15
49) 1,4-Dioxane	7.72	88	23	0.337	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	68262	25.841	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	68262	60.285	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	664	0.201	ug/l	80

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

Instrument :

MSVOA_X

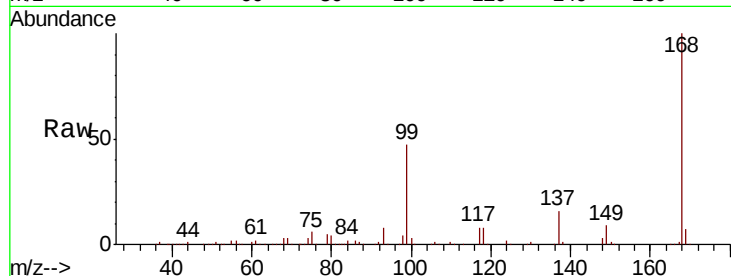
ClientSampled :

Tot Ion:168 Resp: 244612

Ion Ratio Lower Upper

168 100

99 46.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

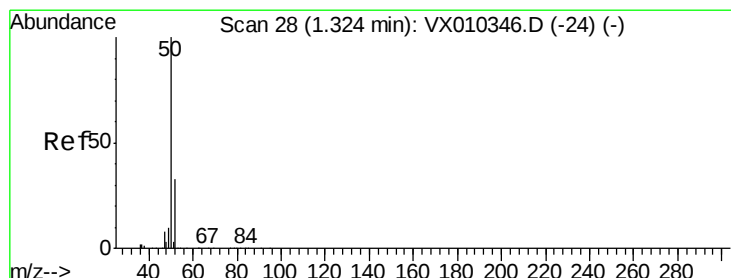
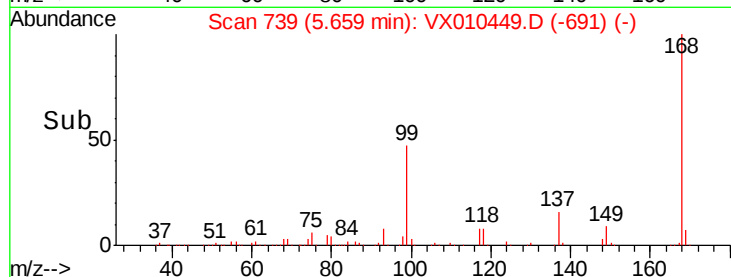
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.250 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX010449.D

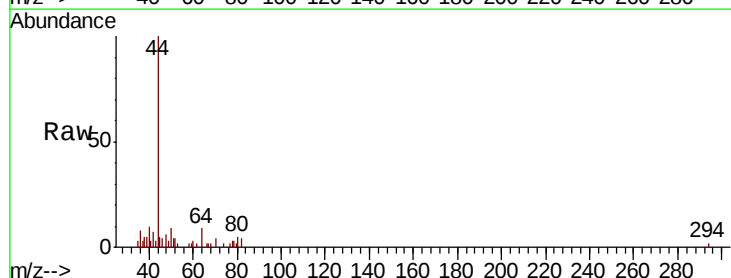
Acq: 26 Jun 2019 09:55

Tgt Ion: 50 Resp: 495

Ion Ratio Lower Upper

50 100

52 15.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

250

200

150

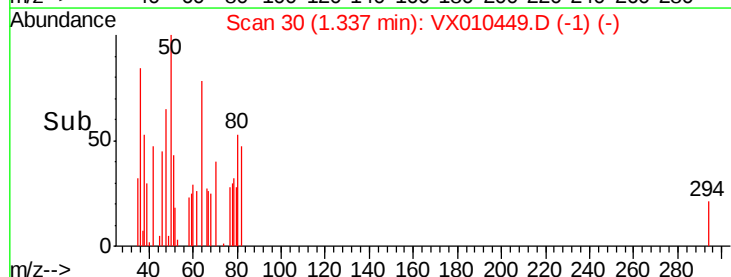
100

50

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.537 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

Instrument :

MSVOA_X

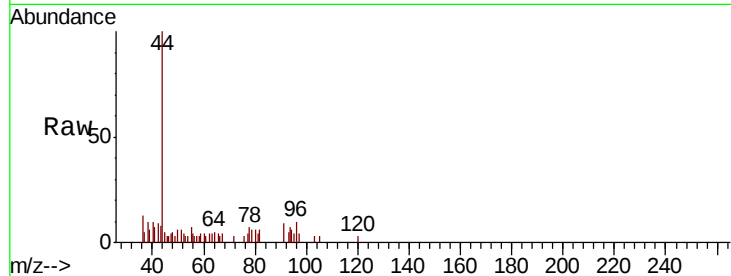
ClientSampleId :

Tot Ion: 94 Resp: 567

Ion Ratio Lower Upper

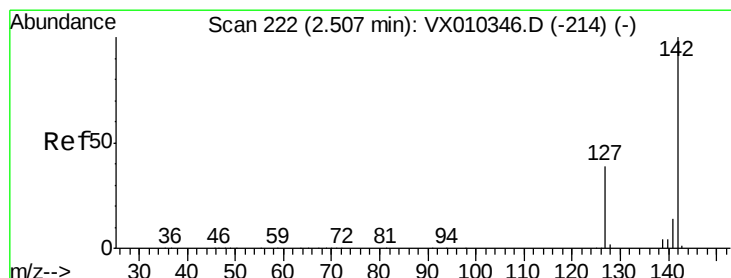
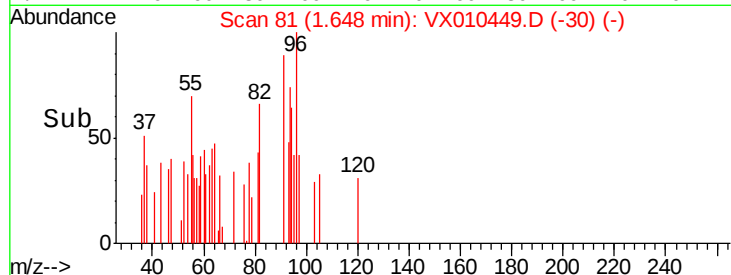
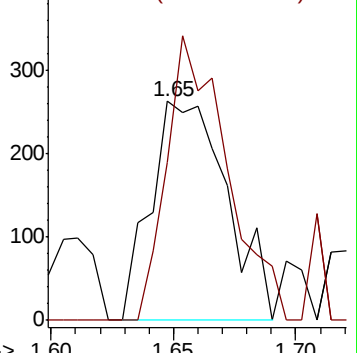
94 100

96 72.2 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.339 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

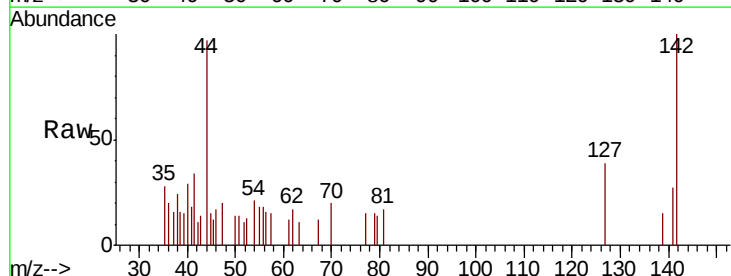
Tgt Ion: 142 Resp: 1008

Ion Ratio Lower Upper

142 100

127 42.9 31.1 46.7

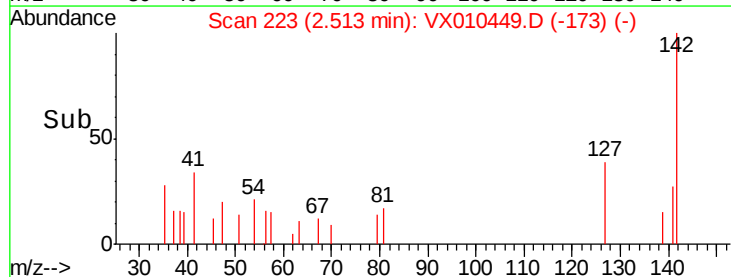
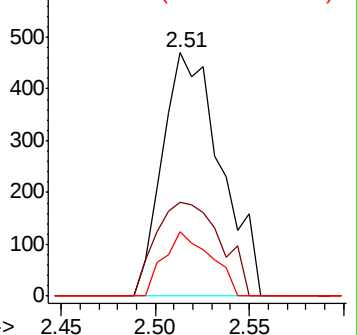
141 21.3 11.2 16.8#

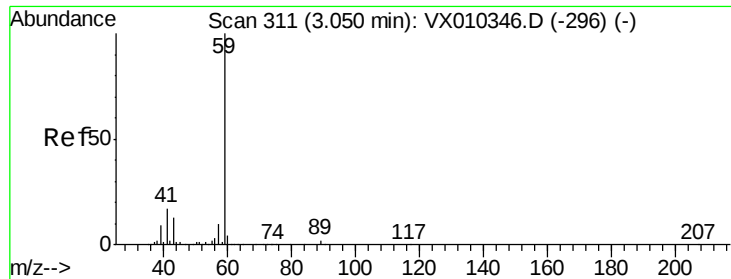


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

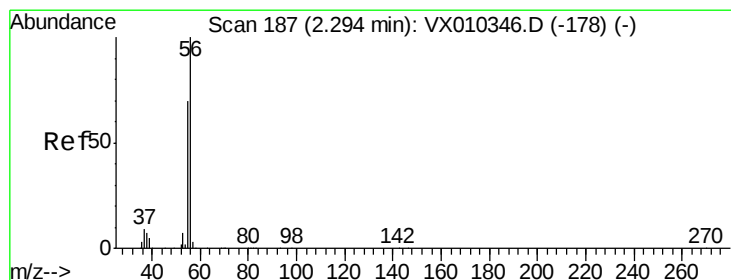
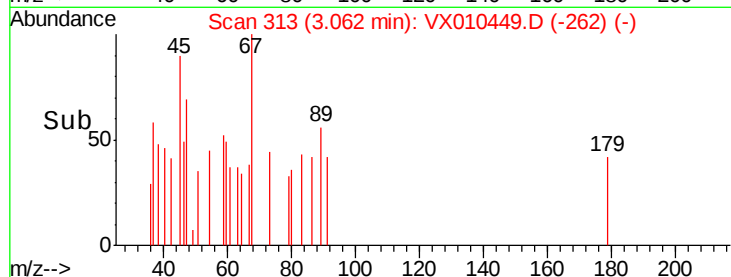
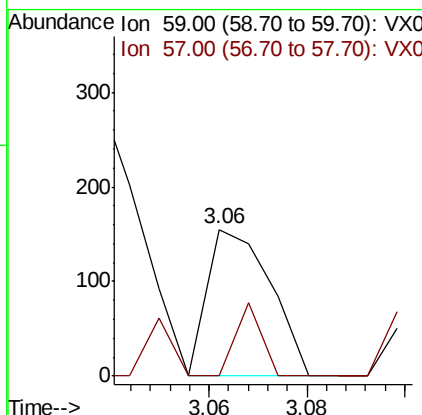
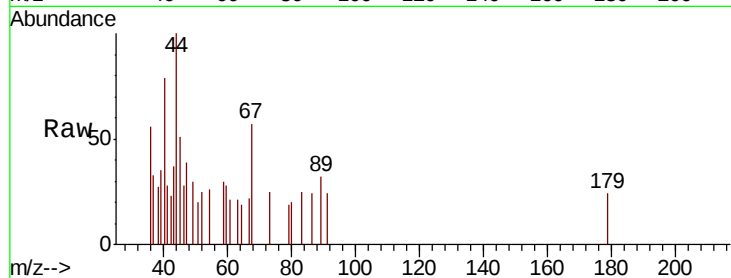




#11
Tert butyl alcohol
Concen: 0.232 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

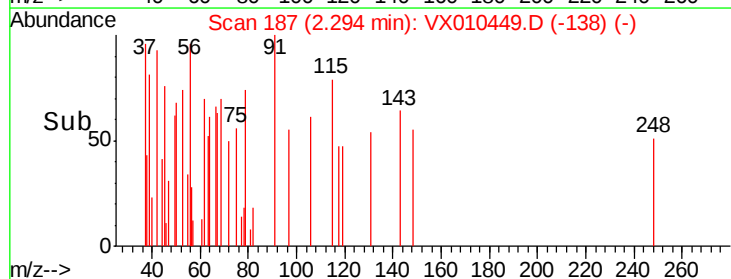
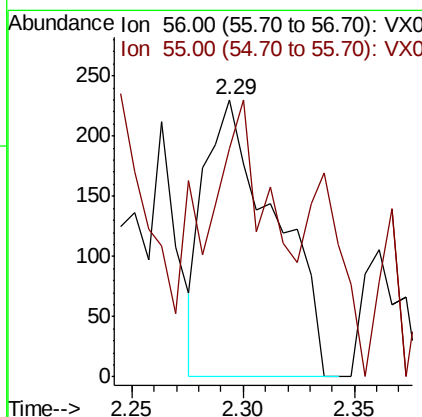
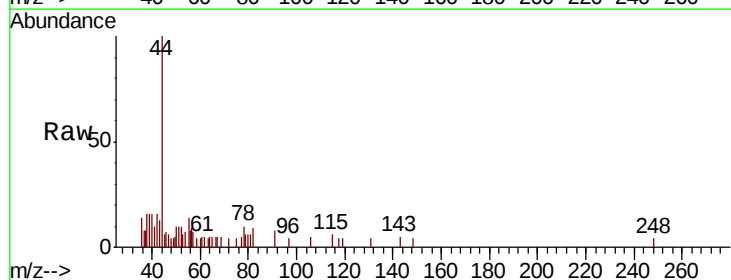
Instrument :
MSVOA_X
ClientSampleID :

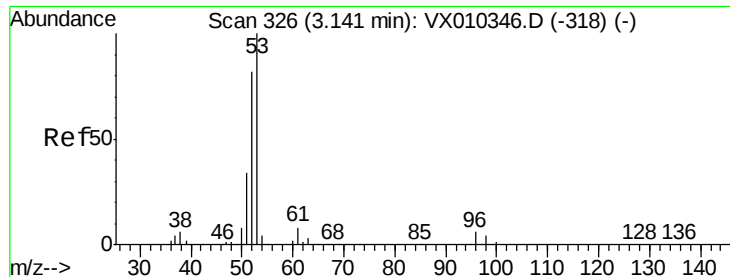
Tot Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 20.1 7.7 11.5#



#13
Acrolein
Concen: 1.271 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Tgt Ion: 56 Resp: 506
Ion Ratio Lower Upper
56 100
55 62.6 56.9 85.3





#15

Acrylonitrile

Concen: 0.342 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

Instrument :
MSVOA_X
ClientSampled :

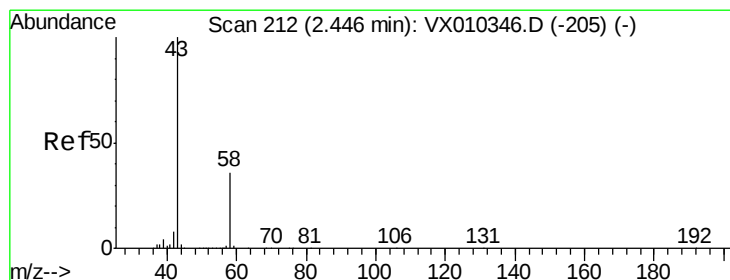
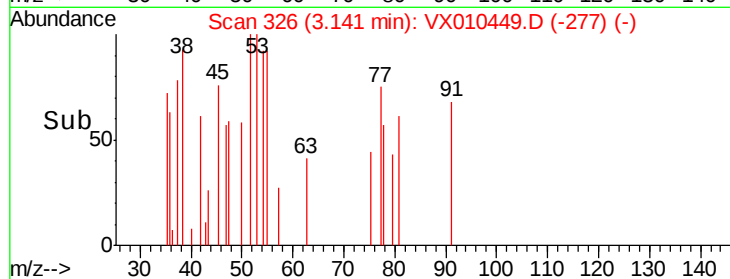
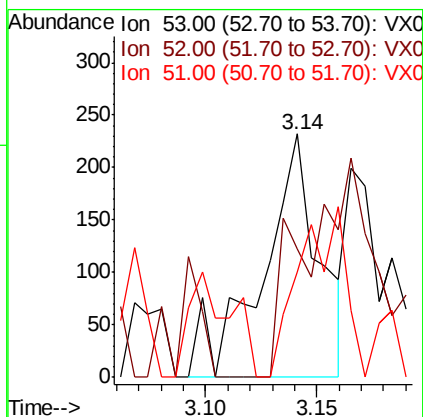
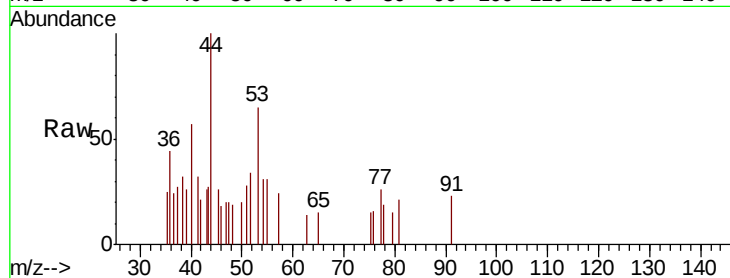
Tot Ion: 53 Resp: 406

Ion Ratio Lower Upper

53 100

52 33.3 65.5 98.3#

51 0.0 28.2 42.4#



#16

Acetone

Concen: 0.523 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010449.D

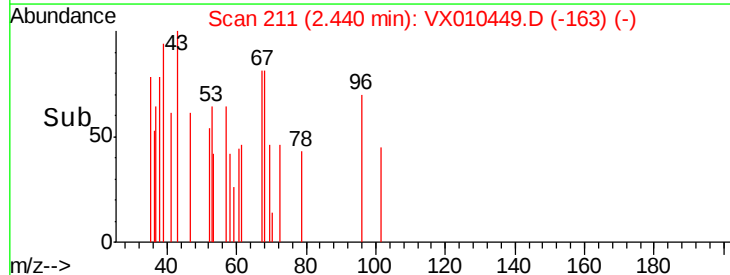
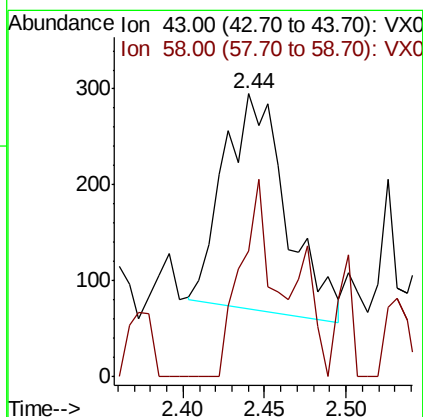
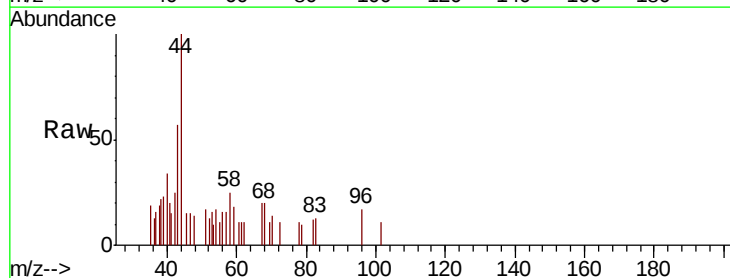
Acq: 26 Jun 2019 09:55

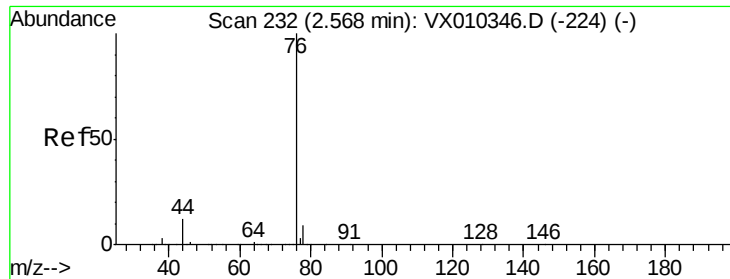
Tgt Ion: 43 Resp: 601

Ion Ratio Lower Upper

43 100

58 60.9 28.9 43.3#

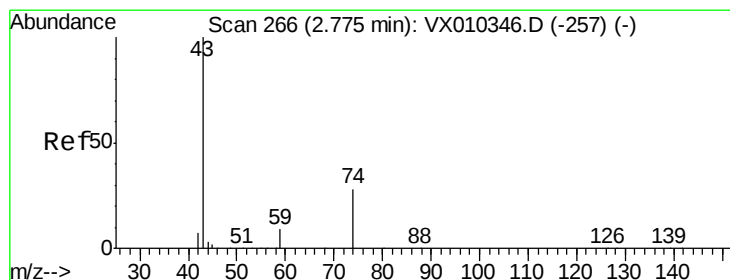
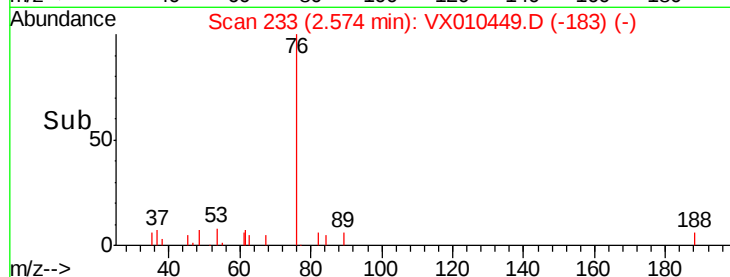
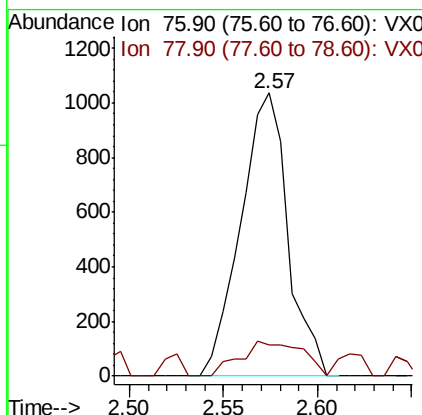
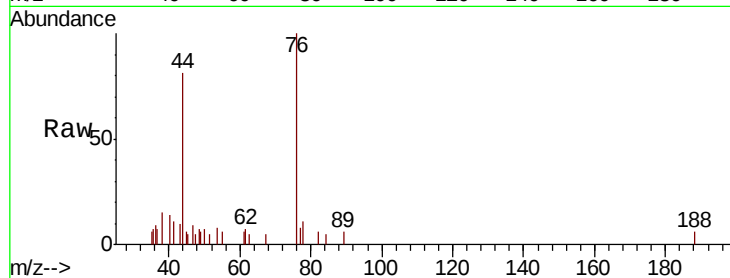




#17
Carbon Disulfide
Concen: 0.316 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

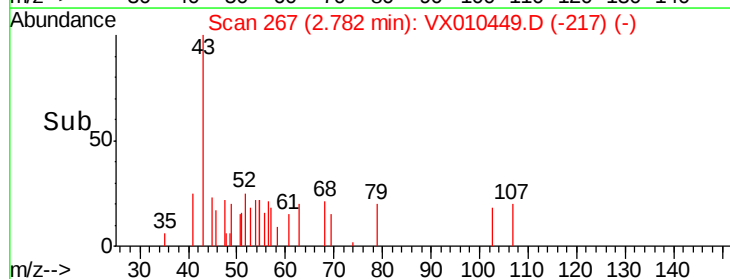
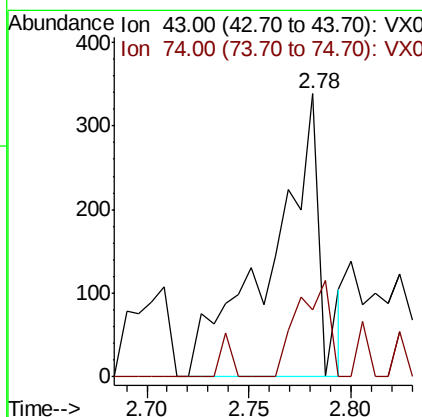
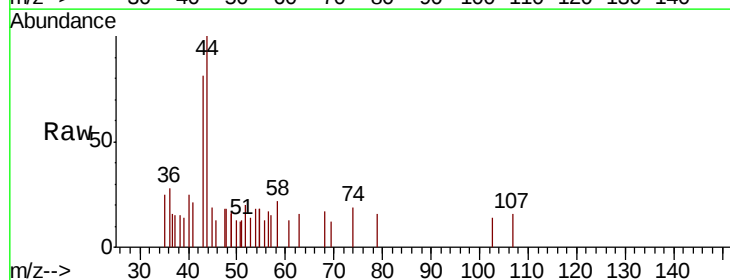
Instrument :
MSVOA_X
ClientSampleId :

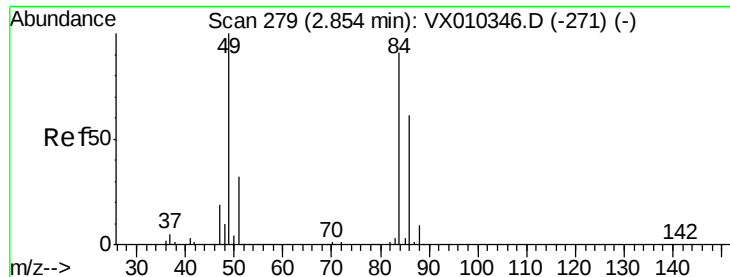
Tot Ion: 76 Resp: 1800
Ion Ratio Lower Upper
76 100
78 11.1 7.3 10.9#



#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
74 22.5 21.3 31.9

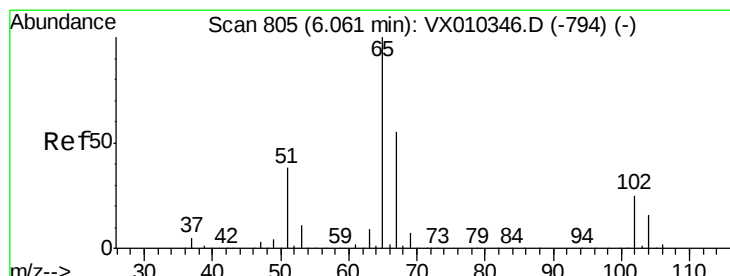
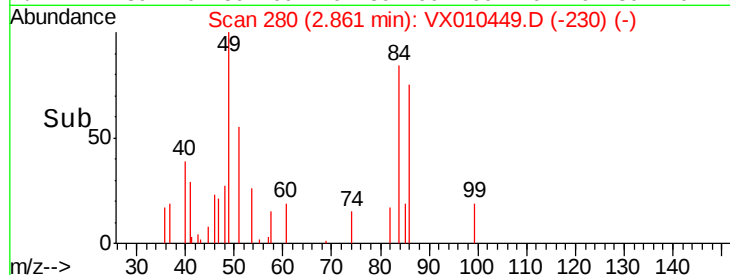
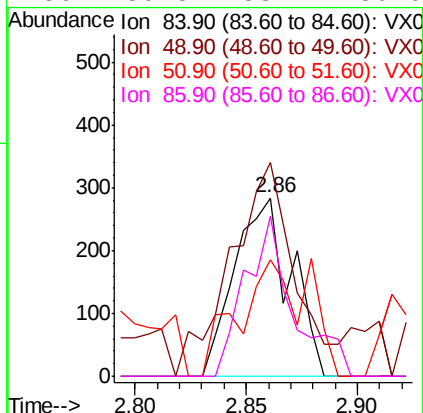
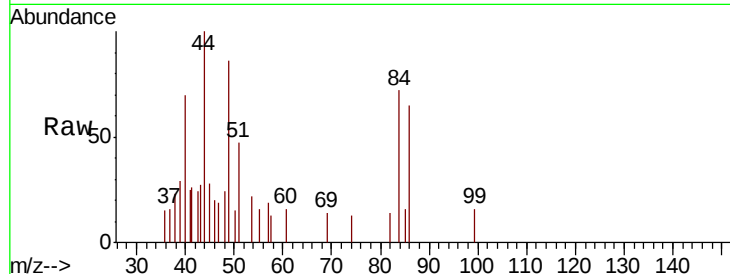




#20
Methvlene Chloride
Concen: 0.211 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

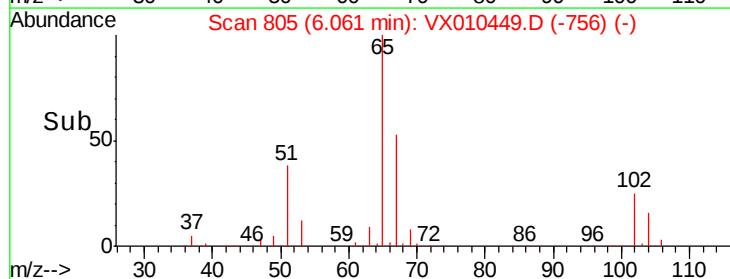
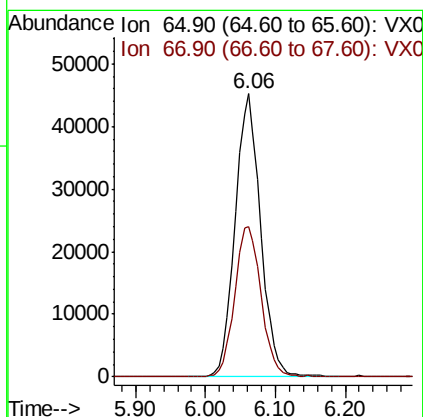
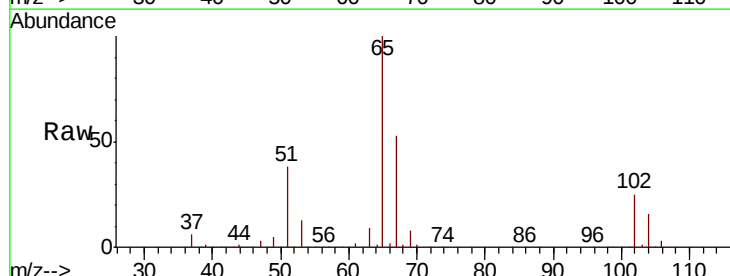
Instrument :
MSVOA_X
ClientSampled :

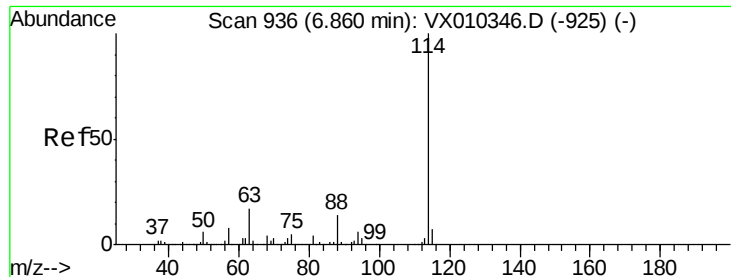
Tot Ion: 84 Resp: 499
Ion Ratio Lower Upper
84 100
49 101.8 87.5 131.3
51 65.5 27.7 41.5#
86 89.8 53.4 80.0#



#33
1,2-Dichloroethane-d4
Concen: 49.983 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Tgt Ion: 65 Resp: 114636
Ion Ratio Lower Upper
65 100
67 55.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

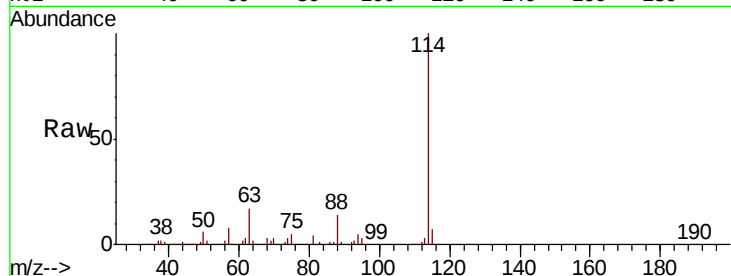
Tot Ion:114 Resp: 376632

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

88 14.0 0.0 27.6



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

200000

150000

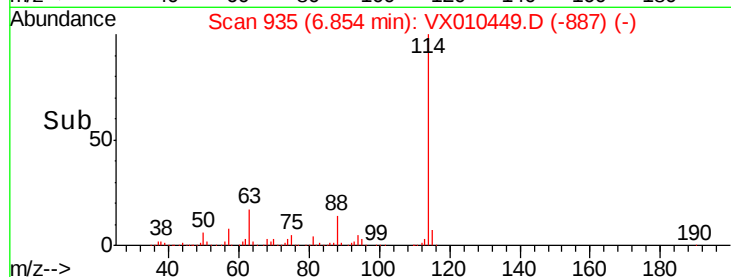
100000

50000

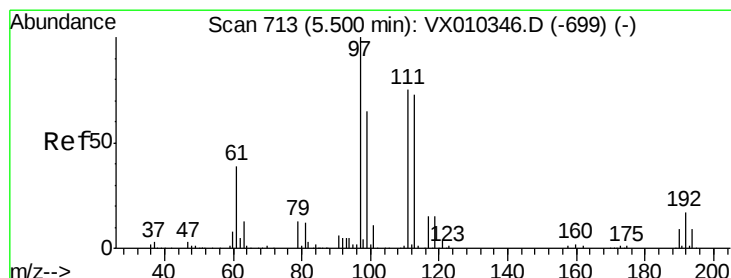
0

6.85

6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

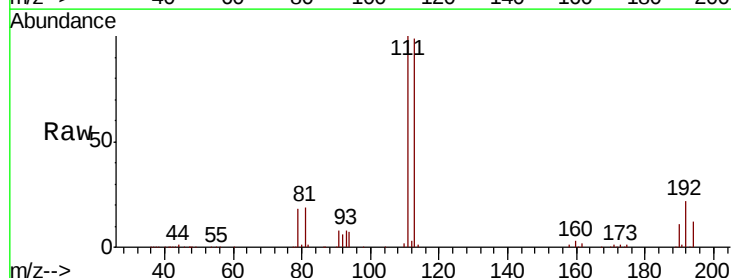
Tgt Ion:113 Resp: 114985

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

192 23.4 18.6 27.8



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

50000

40000

30000

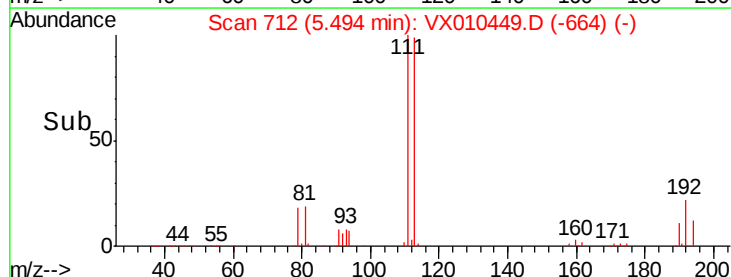
20000

10000

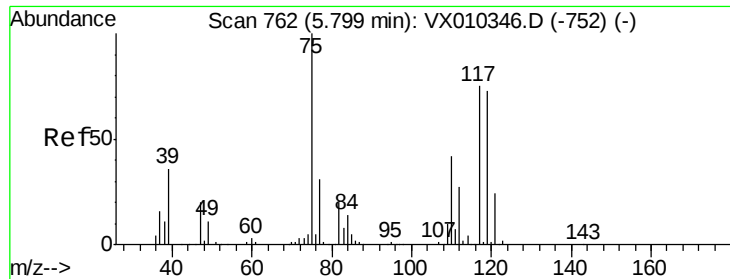
0

5.49

5.40 5.50 5.60



Time-->



#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

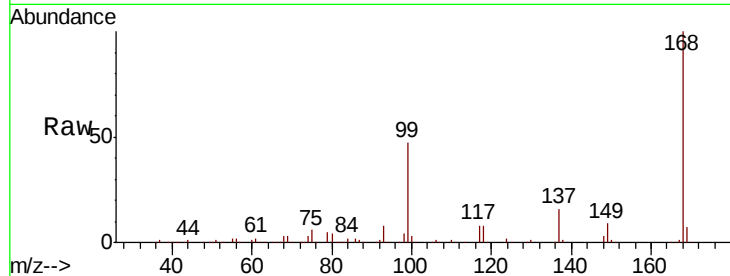
Tot Ion: 75 Resp: 15155

Ion Ratio Lower Upper

75 100

110 10.2 20.8 62.2#

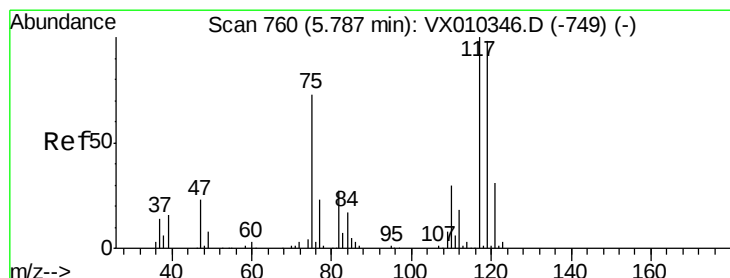
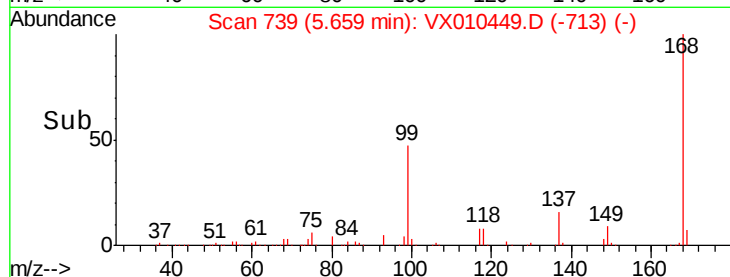
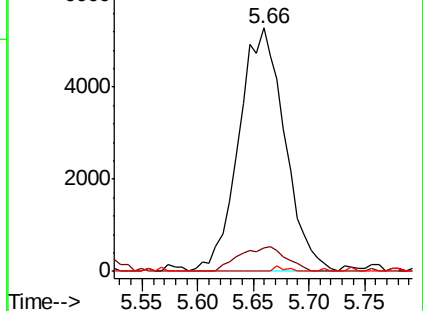
77 0.5 25.4 38.0#



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: 6.536 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

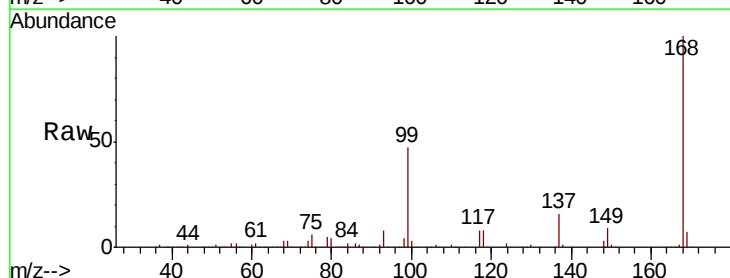
Tgt Ion:117 Resp: 21182

Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.4#

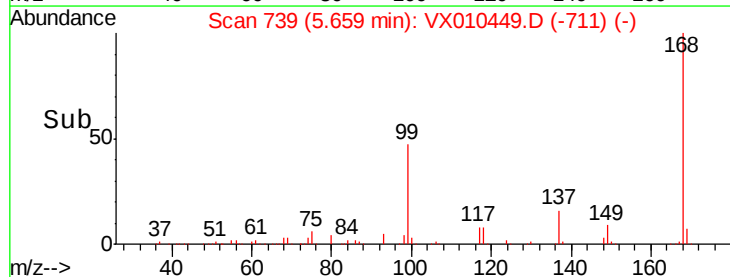
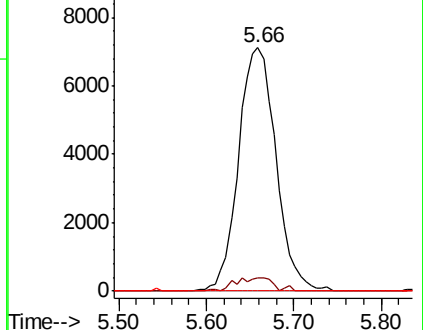
121 0.0 24.7 37.1#

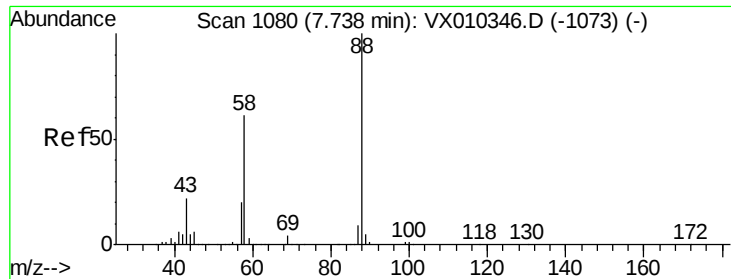


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

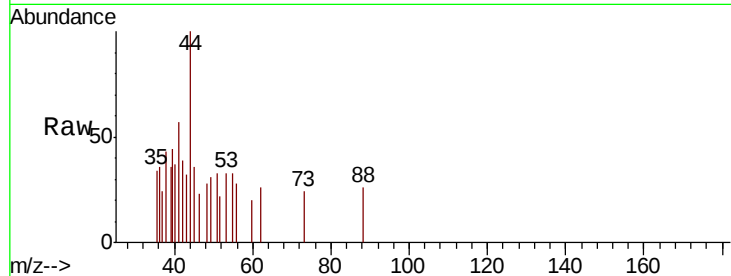




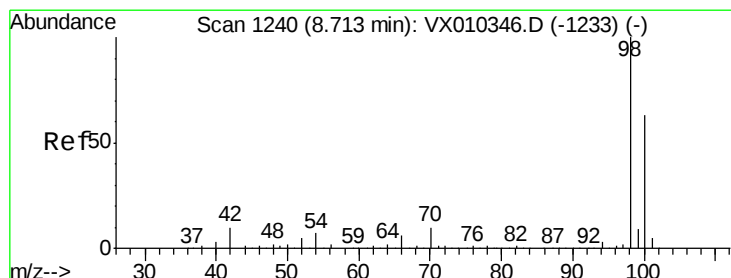
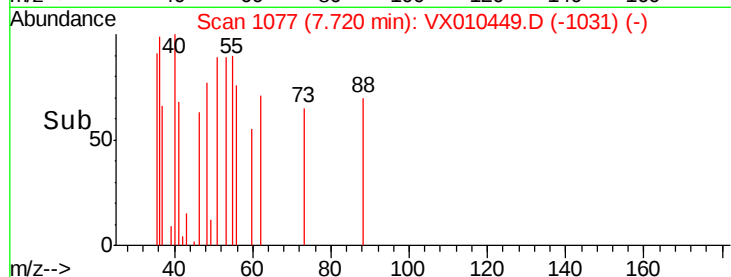
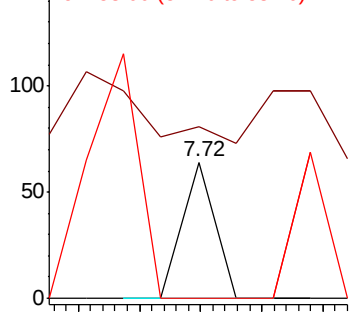
#49
1,4-Dioxane
Concen: 0.337 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 287.0 49.5 74.3#

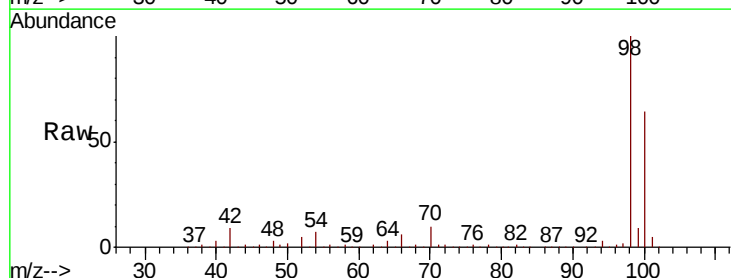


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

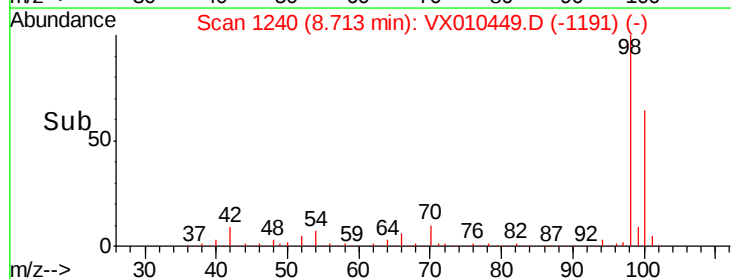
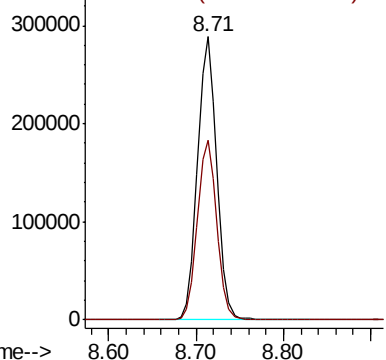


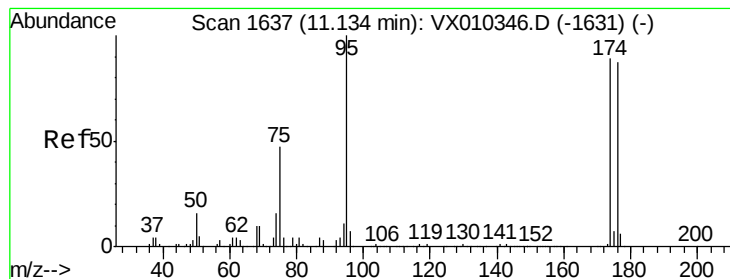
#50
Toluene-d8
Concen: 49.874 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Tgt Ion: 98 Resp: 439691
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.866 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

Instrument :

MSVOA_X

ClientSampleId :

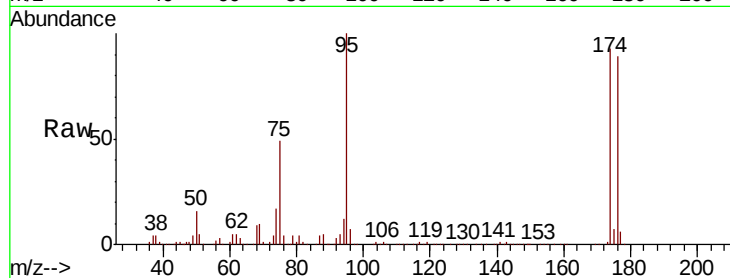
Tot Ion: 95 Resp: 142803

Ion Ratio Lower Upper

95 100

174 95.2 0.0 187.6

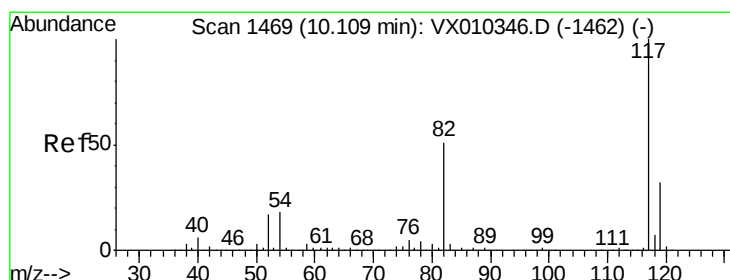
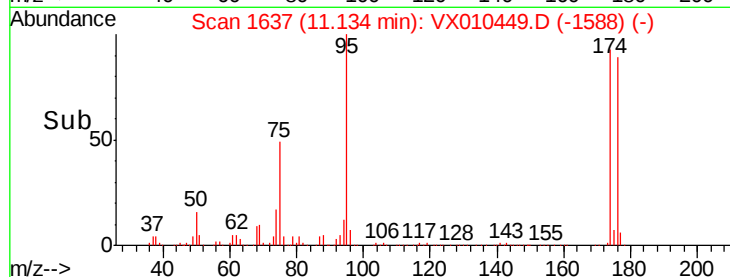
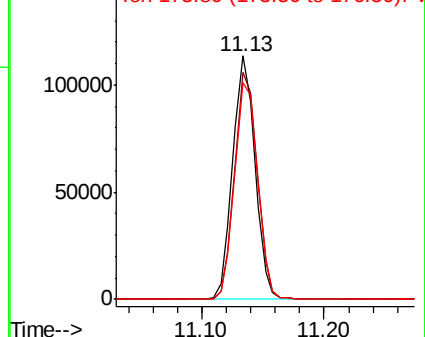
176 92.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010449.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010449.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010449.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010449.D

Acq: 26 Jun 2019 09:55

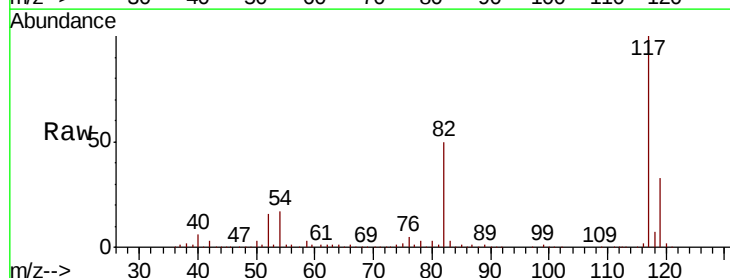
Tgt Ion: 117 Resp: 334807

Ion Ratio Lower Upper

117 100

82 50.3 41.2 61.8

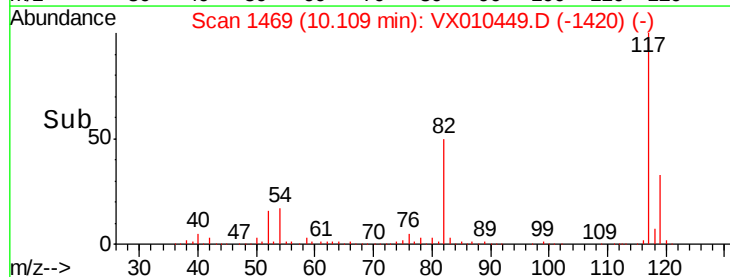
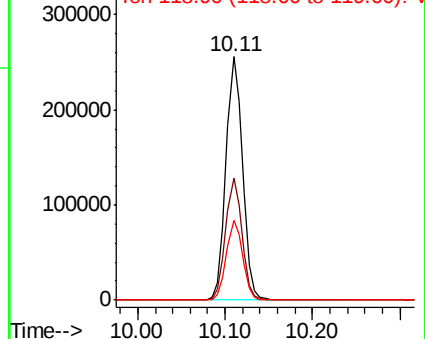
119 32.7 25.5 38.3

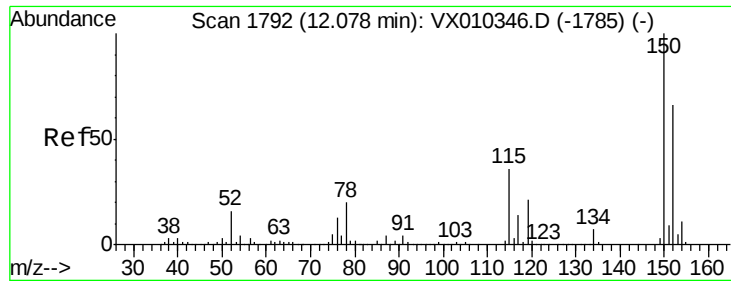


Abundance Ion 116.90 (116.60 to 117.60): VX010449.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010449.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010449.D (-1420) (-)



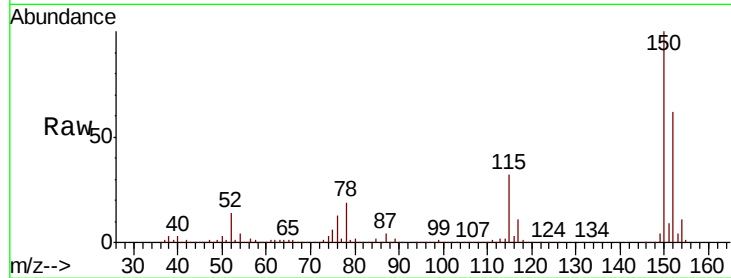


#72

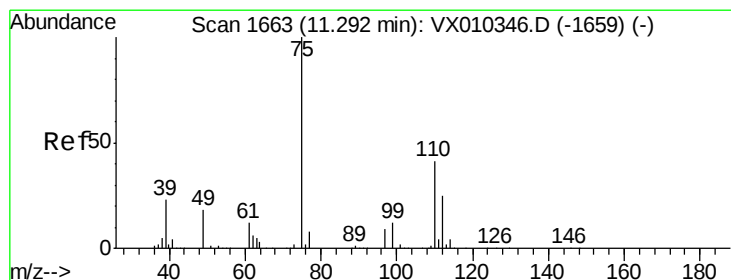
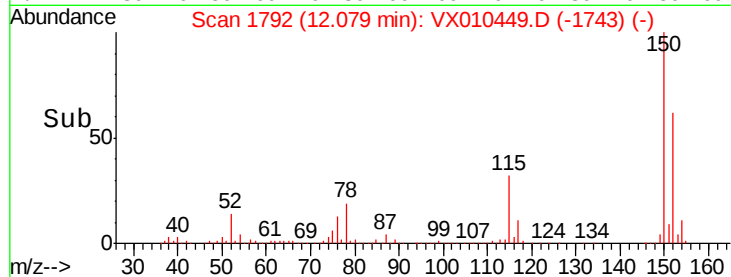
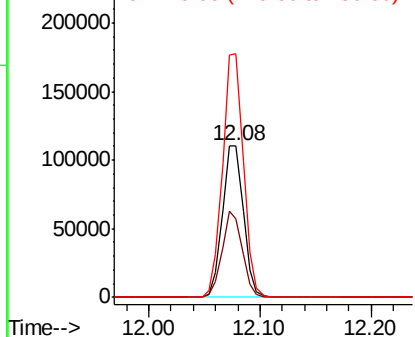
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 144963
Ion Ratio Lower Upper
152 100
115 54.0 38.6 115.7
150 159.3 0.0 347.4



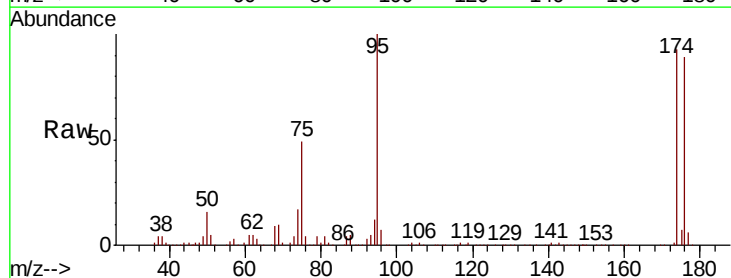
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



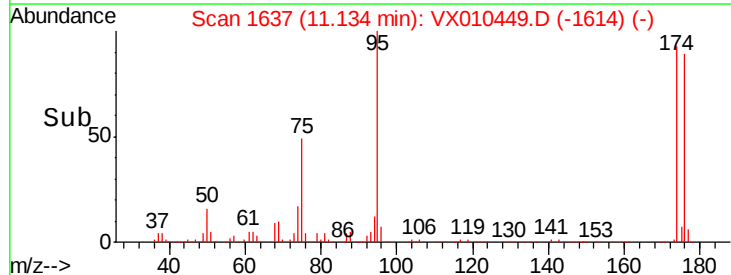
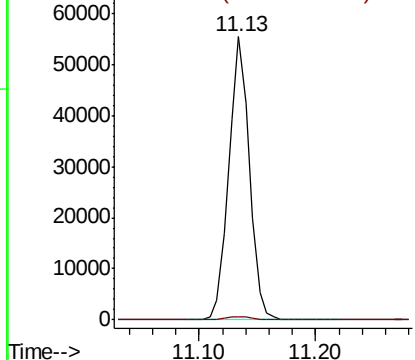
#76

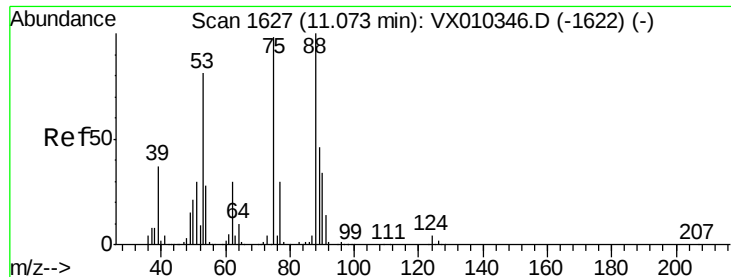
1,2,3-Trichloropropane
Concen: 25.841 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Tgt Ion: 75 Resp: 68262
Ion Ratio Lower Upper
75 100
77 1.5 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

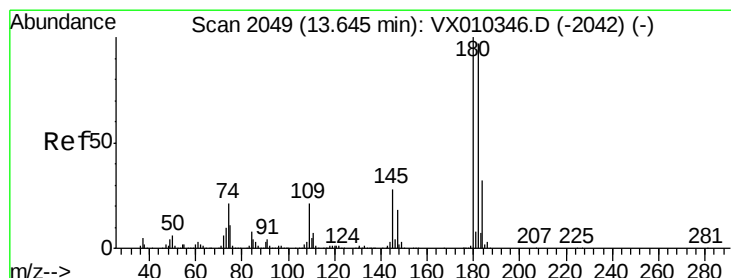
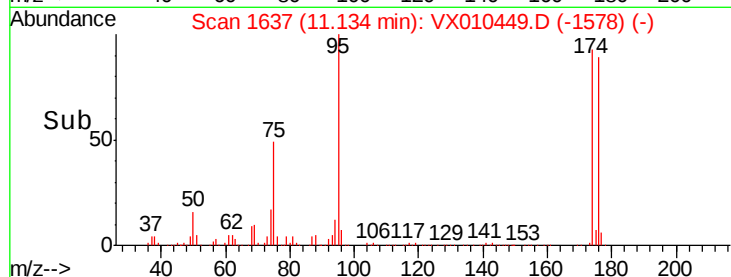
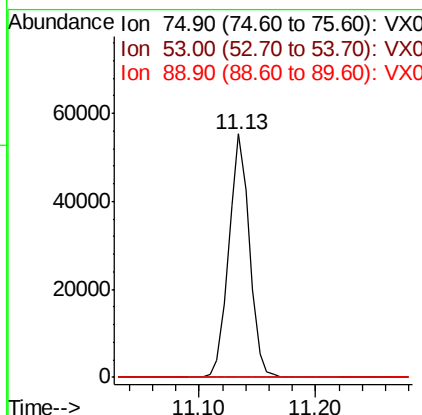
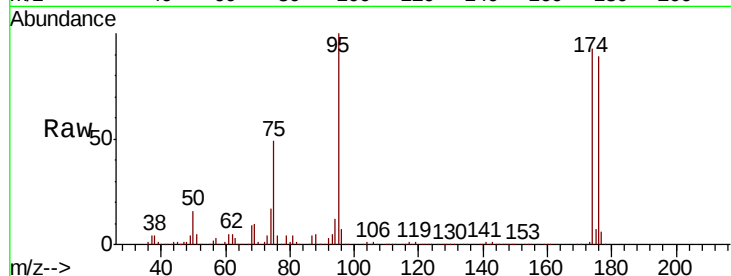




#81
trans-1,4-Dichloro-2-butene
Concen: 60.285 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 68262
Ion Ratio Lower Upper
75 100
53 0.1 66.1 99.1#
89 0.0 37.8 56.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 13.65 min Scan# 2050
Delta R.T. 0.01 min
Lab File: VX010449.D
Acq: 26 Jun 2019 09:55

Tgt Ion: 180 Resp: 664
Ion Ratio Lower Upper
180 100
182 72.1 48.0 144.0
145 32.1 14.4 43.4

