

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010479.D
 Acq On : 27 Jun 2019 11:25
 Operator : JC/SP
 Sample : K3543-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:45:07 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	240963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147102	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	115073	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	5.49	113	113763	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	8.71	98	433875	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	141222	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

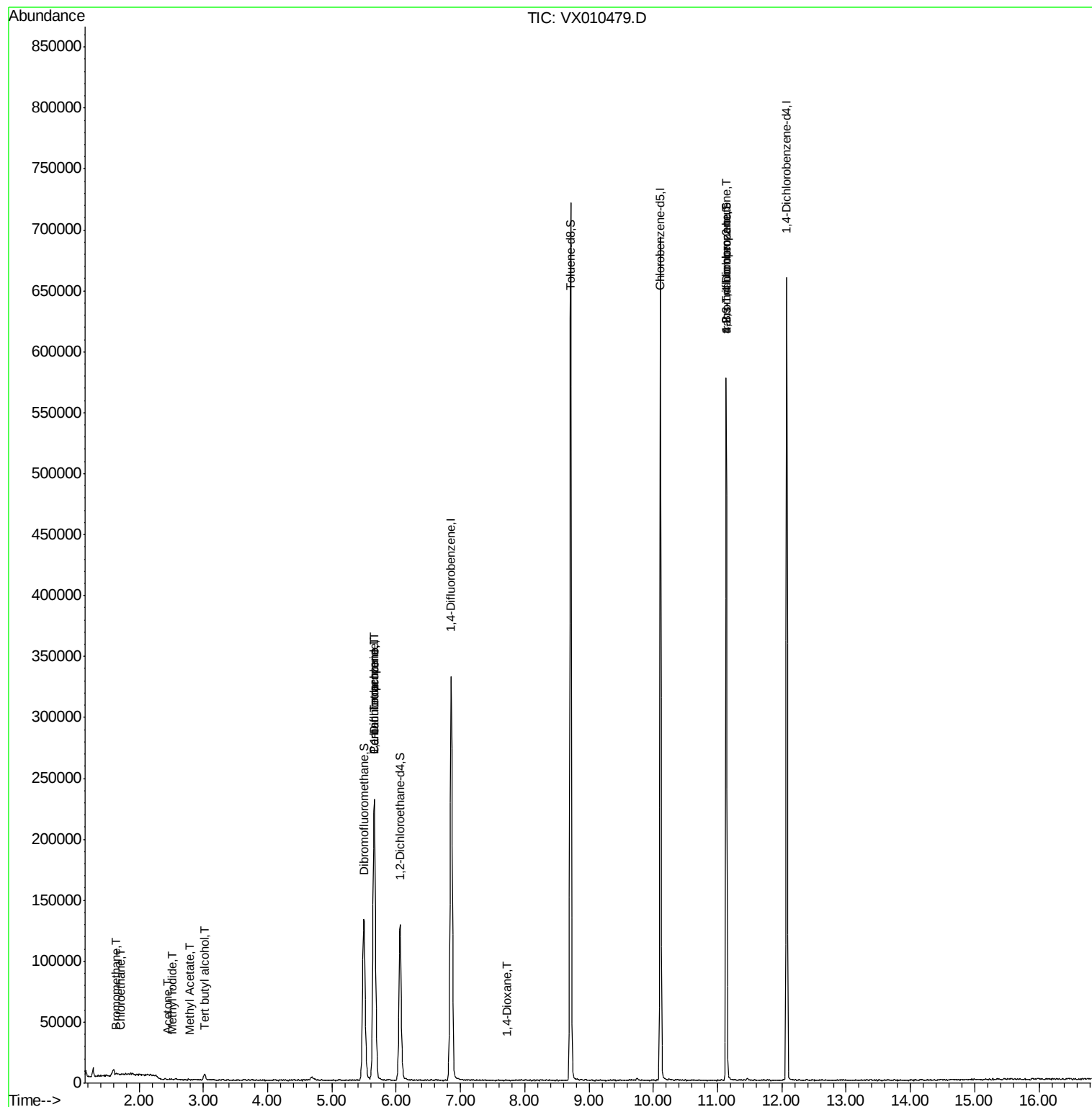
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	318	0.305	ug/l #	64
6) Chloroethane	1.70	64	463	0.367	ug/l	94
10) Methyl Iodide	2.52	142	660	0.225	ug/l #	87
11) Tert butyl alcohol	3.02	59	2562	4.334	ug/l #	87
16) Acetone	2.45	43	565	0.499	ug/l #	86
18) Methyl Acetate	2.78	43	669	0.296	ug/l #	62
36) 1,1-Dichloropropene	5.66	75	15187	5.130	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21416	6.681	ug/l #	15
49) 1,4-Dioxane	7.72	88	24	0.356	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66101	24.659	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66101	57.527	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010479.D

Acq: 27 Jun 2019 11:25

Instrument :

MSVOA_X

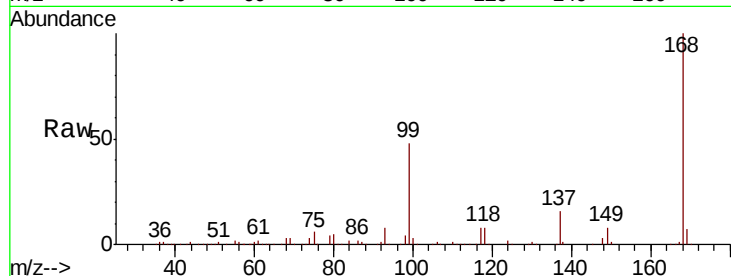
ClientSampled :

Tot Ion:168 Resp: 240963

Ion Ratio Lower Upper

168 100

99 47.8 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

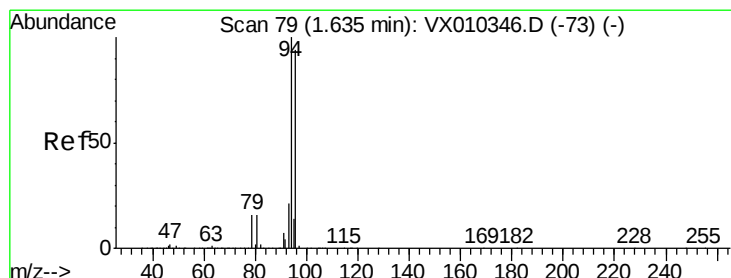
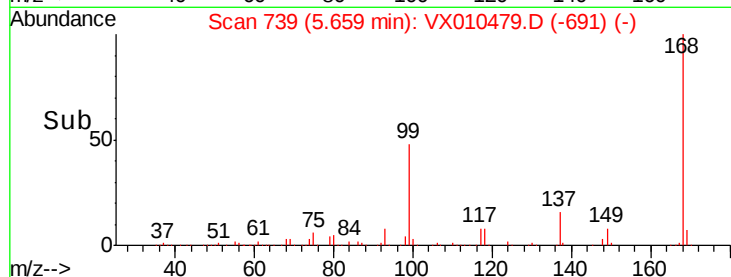
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.305 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010479.D

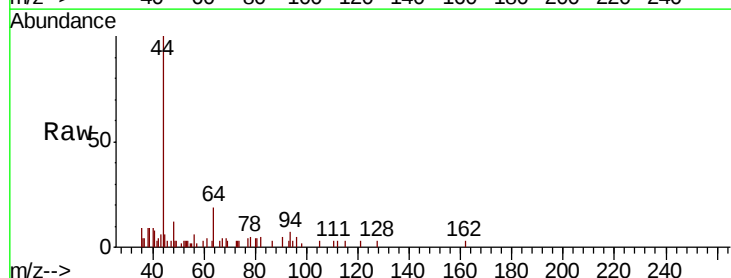
Acq: 27 Jun 2019 11:25

Tgt Ion: 94 Resp: 318

Ion Ratio Lower Upper

94 100

96 60.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

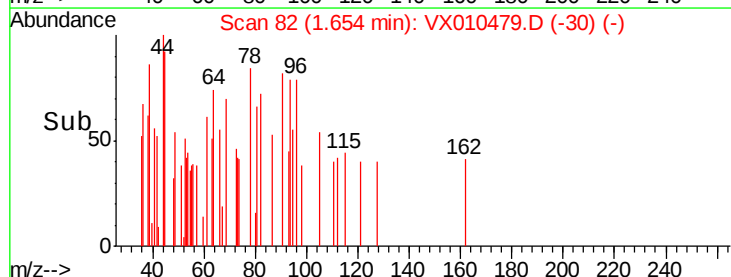
100

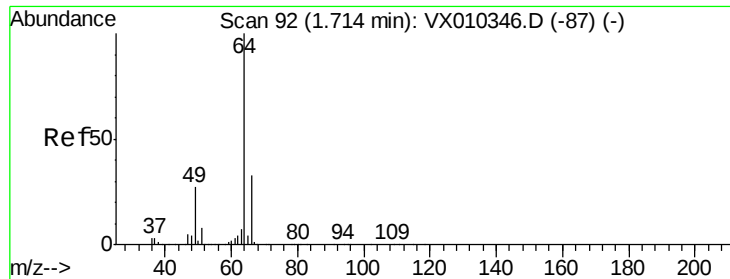
50

0

1.62 1.64 1.66 1.68 1.70

Time-->

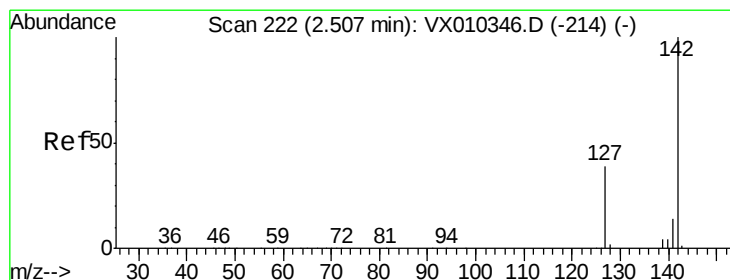
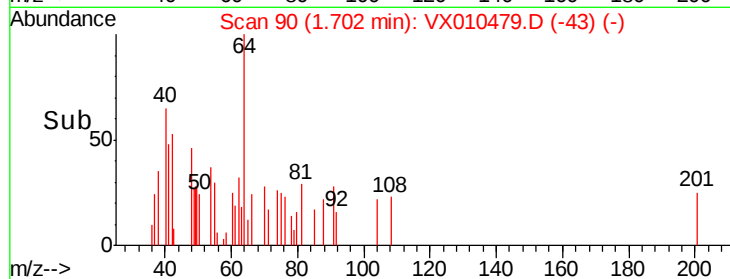
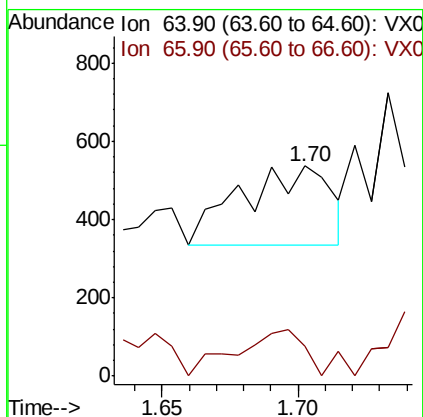
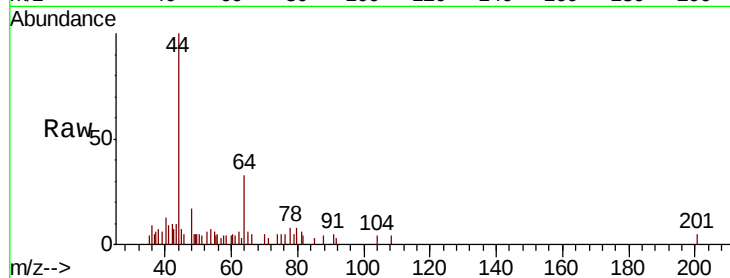




#6
Chloroethane
Concen: 0.367 ug/l
RT: 1.70 min Scan# 90
Delta R.T. -0.01 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

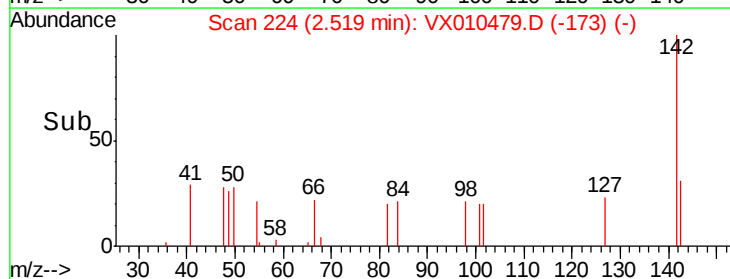
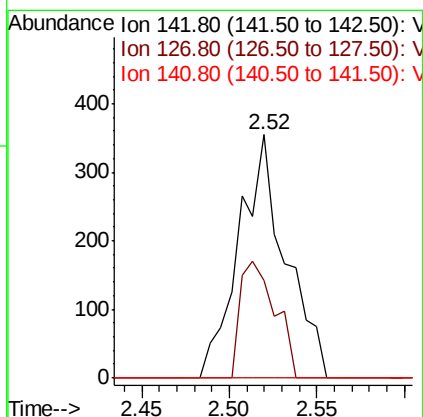
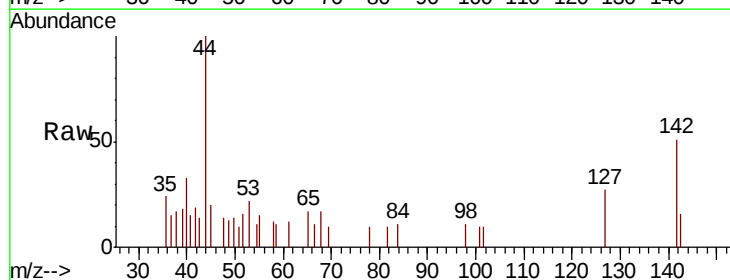
Instrument :
MSVOA_X
ClientSampleId :

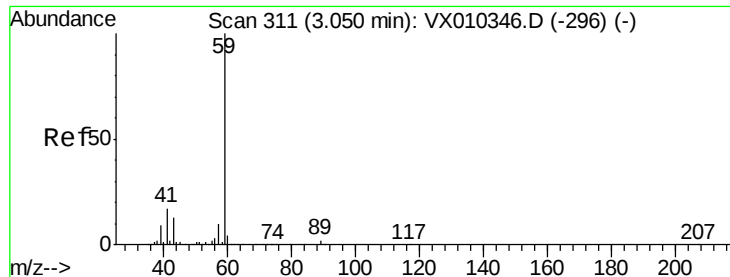
Tot Ion: 64 Resp: 463
Ion Ratio Lower Upper
64 100
66 36.9 26.6 40.0



#10
Methyl Iodide
Concen: 0.225 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

Tgt Ion: 142 Resp: 660
Ion Ratio Lower Upper
142 100
127 36.1 31.1 46.7
141 0.0 11.2 16.8#



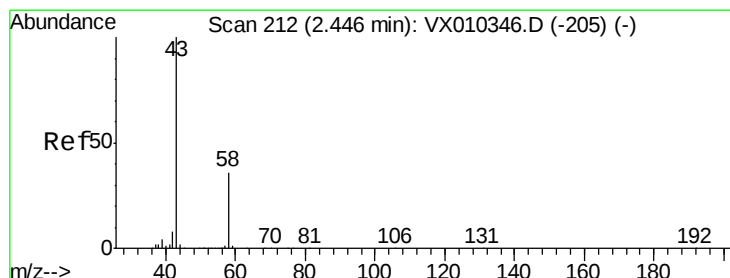
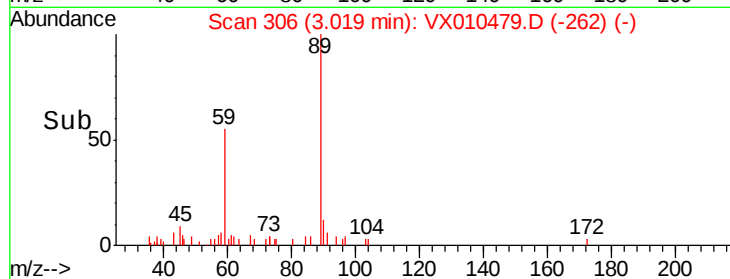
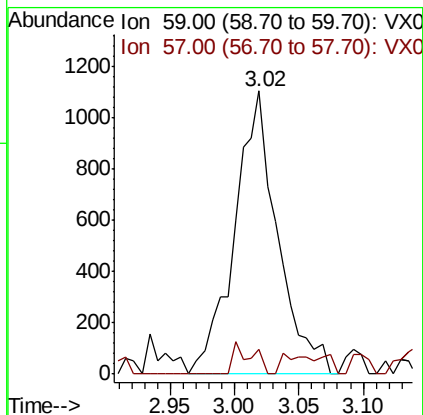
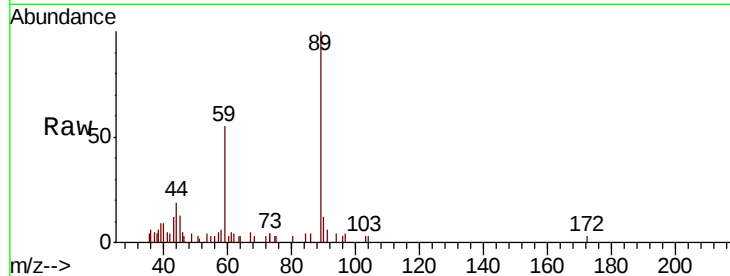


#11

Tert butyl alcohol
 Concen: 4.334 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010479.D
 Acq: 27 Jun 2019 11:25

Instrument :
 MSVOA_X
 ClientSampled :

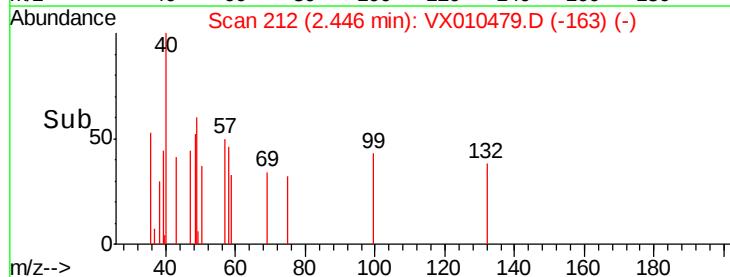
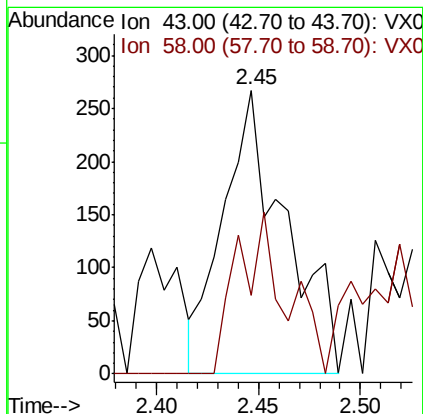
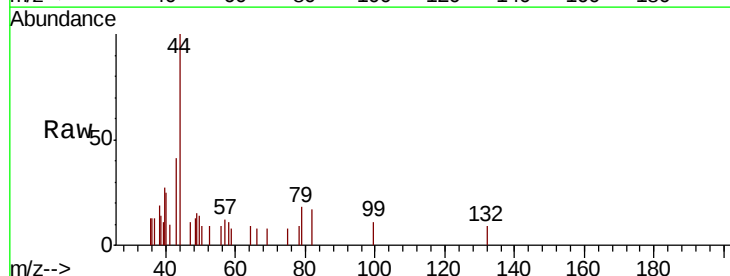
Tot Ion: 59 Resp: 2562
 Ion Ratio Lower Upper
 59 100
 57 4.9 7.7 11.5#

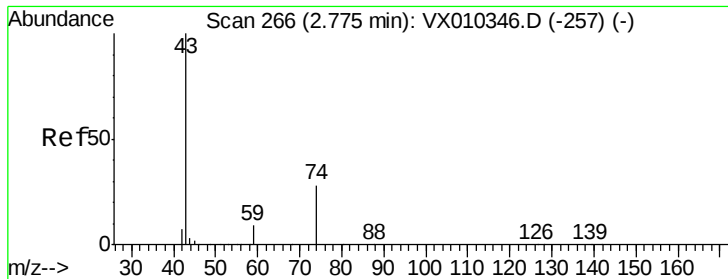


#16

Acetone
 Concen: 0.499 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX010479.D
 Acq: 27 Jun 2019 11:25

Tgt Ion: 43 Resp: 565
 Ion Ratio Lower Upper
 43 100
 58 27.7 28.9 43.3#

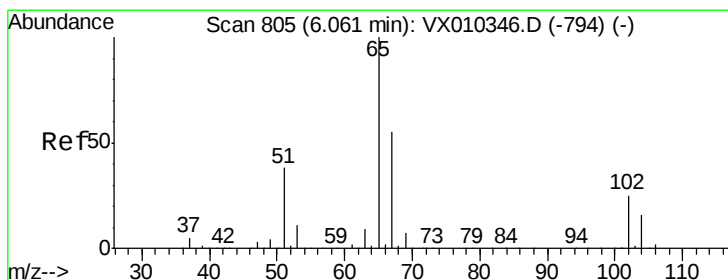
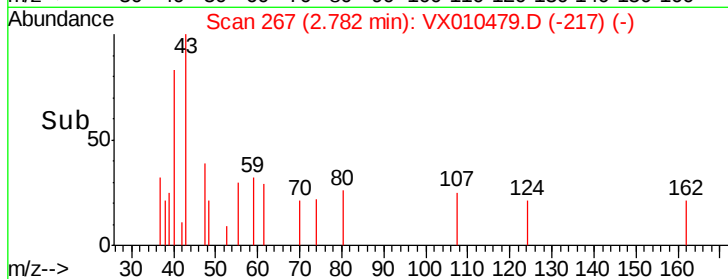
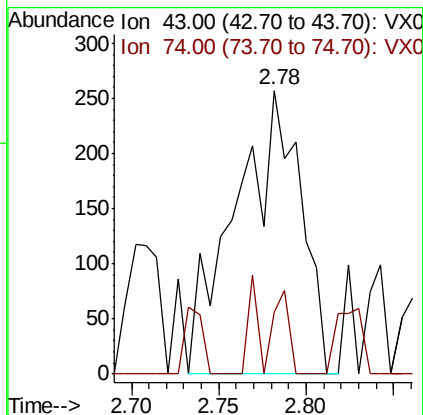
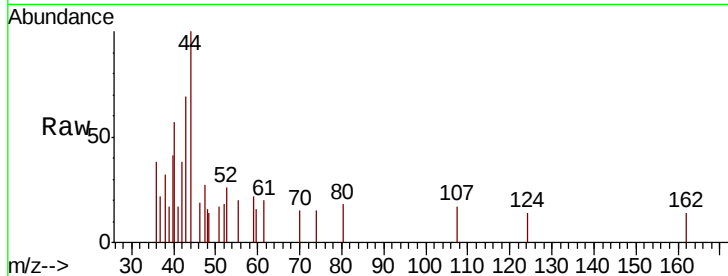




#18
Methvl Acetate
Concen: 0.296 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

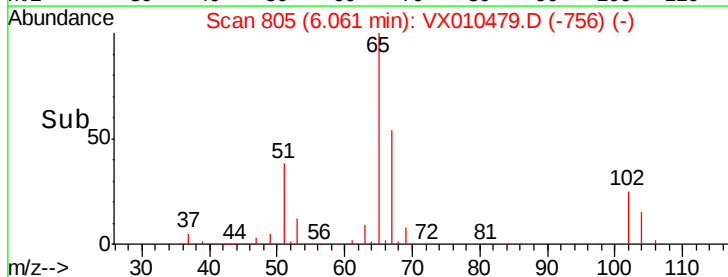
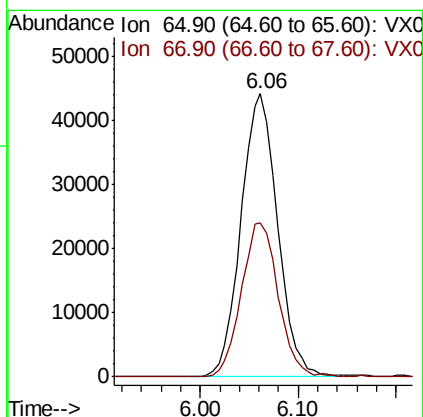
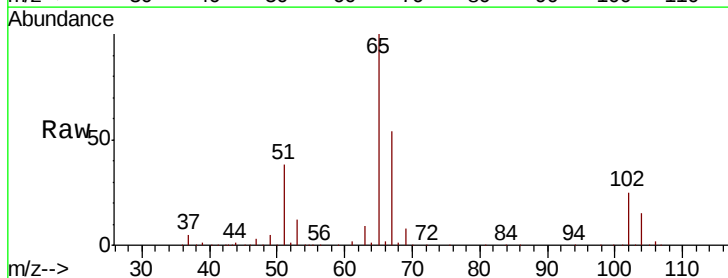
Instrument :
MSVOA_X
ClientSampled :

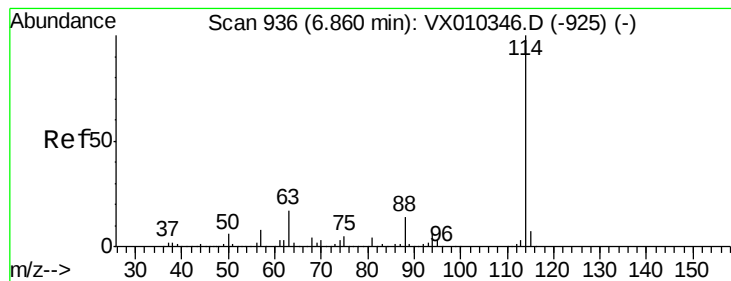
Tot Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
74 7.2 21.3 31.9#



#33
1,2-Dichloroethane-d4
Concen: 50.934 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

Tgt Ion: 65 Resp: 115073
Ion Ratio Lower Upper
65 100
67 55.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010479.D

Acq: 27 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

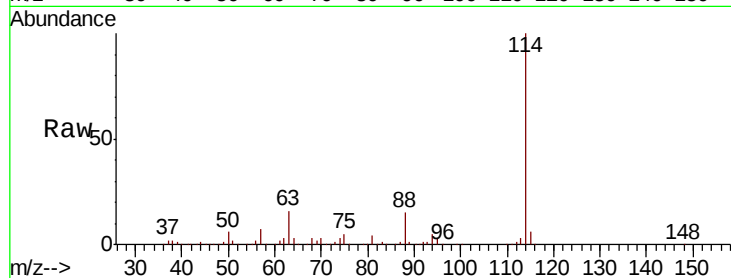
Tot Ion:114 Resp: 372508

Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.8

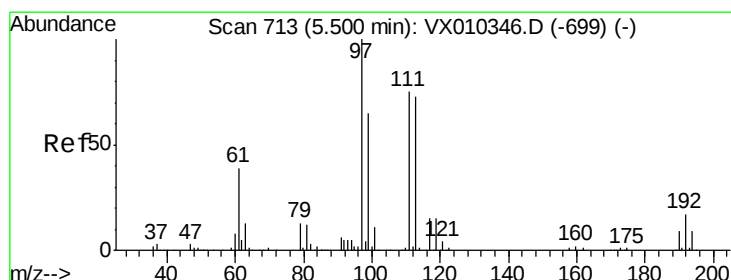
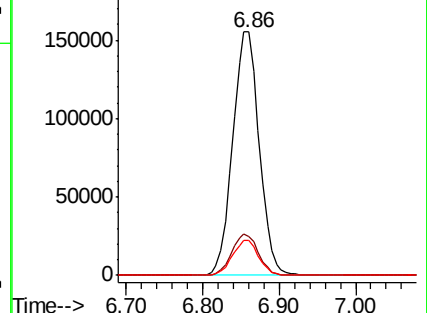
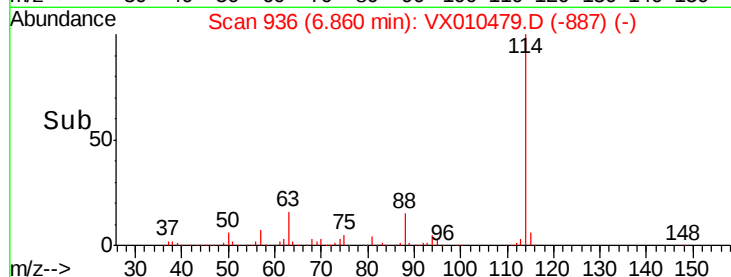
88 14.5 0.0 27.6



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



#35

Dibromofluoromethane

Concen: 49.915 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010479.D

Acq: 27 Jun 2019 11:25

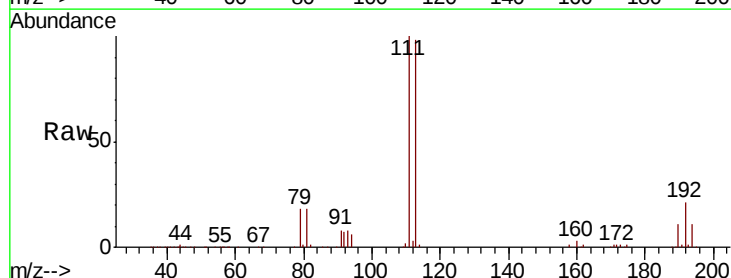
Tgt Ion:113 Resp: 113763

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

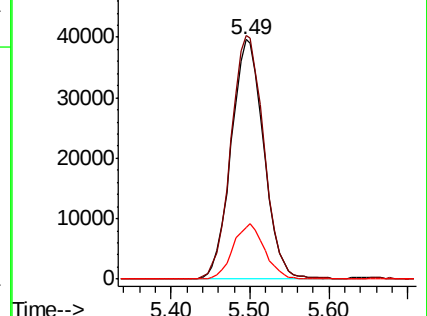
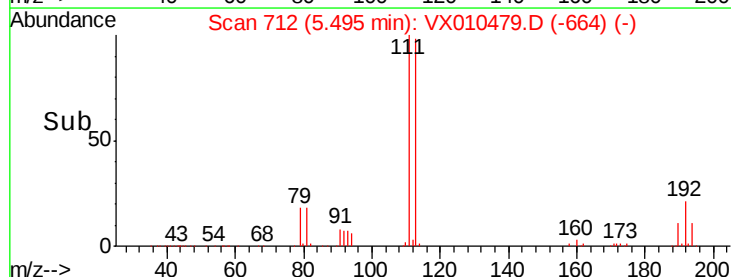
192 22.4 18.6 27.8

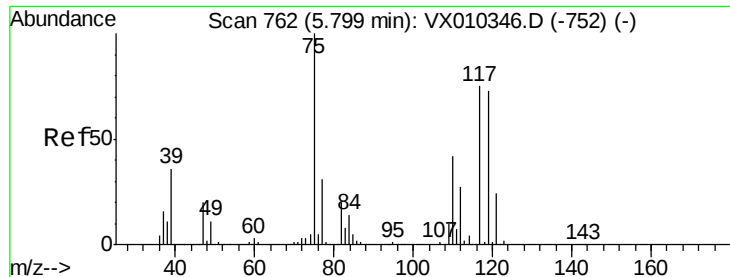


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010479.D

Acq: 27 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

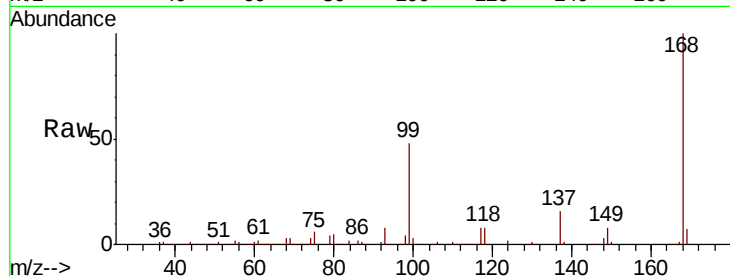
Tot Ion: 75 Resp: 15187

Ion Ratio Lower Upper

75 100

110 11.3 20.8 62.2#

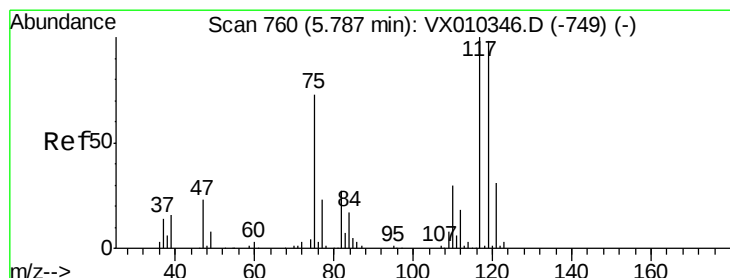
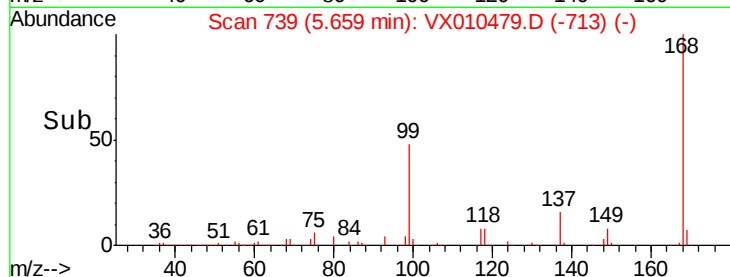
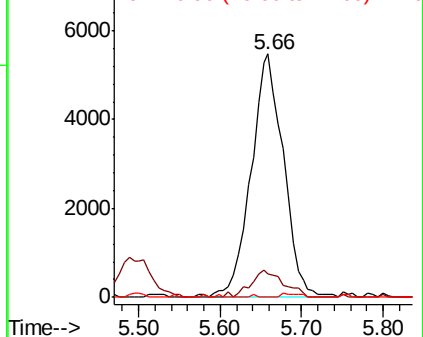
77 0.1 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX010346.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX010346.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX010346.D (-752) (-)



#38

Carbon Tetrachloride

Concen: 6.681 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010479.D

Acq: 27 Jun 2019 11:25

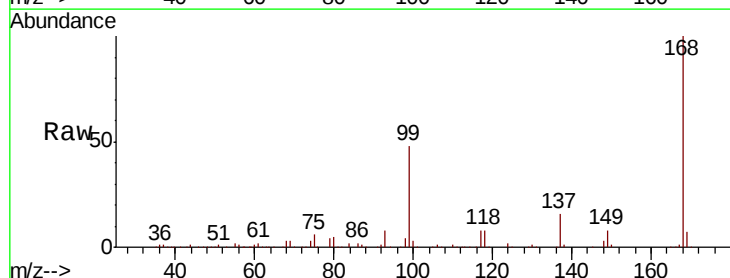
Tgt Ion: 117 Resp: 21416

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

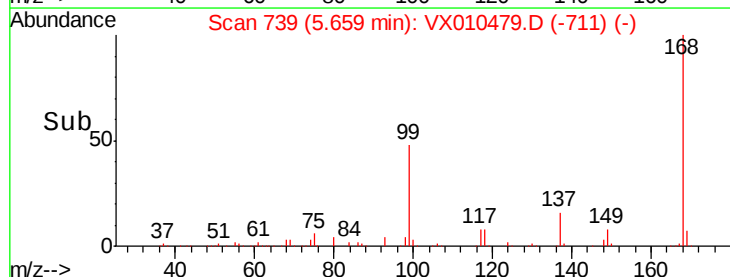
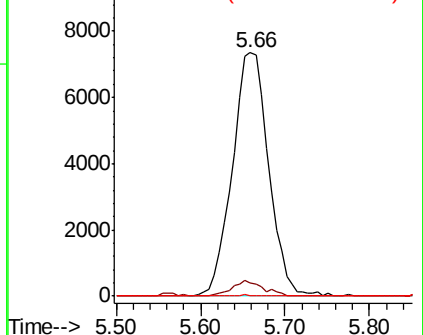
121 0.0 24.7 37.1#

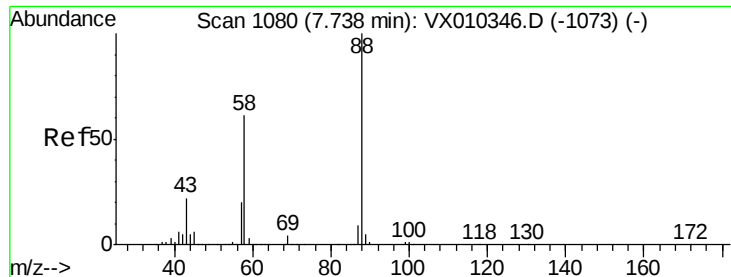


Abundance Ion 116.80 (116.50 to 117.50): VX010346.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX010346.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX010346.D (-749) (-)

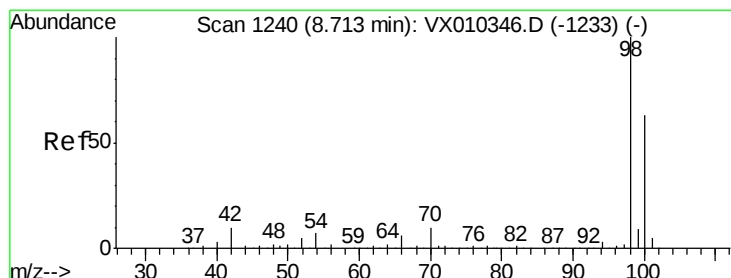
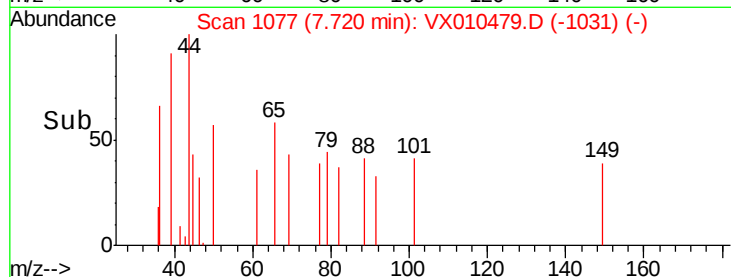
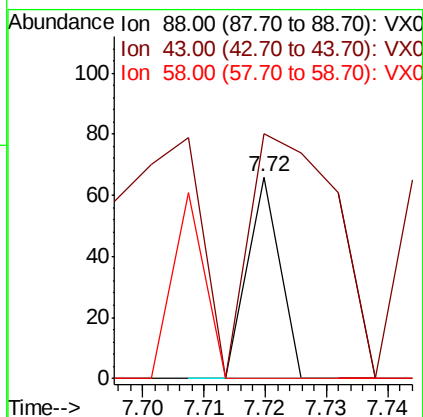
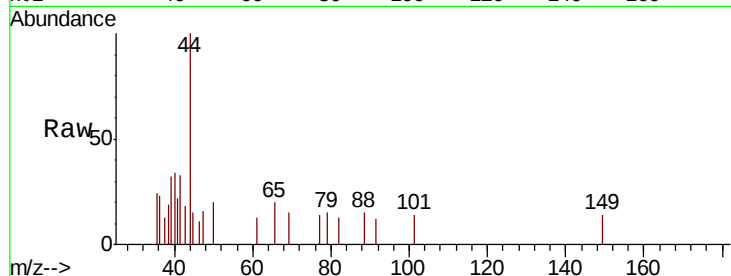




#49
1,4-Dioxane
Concen: 0.356 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

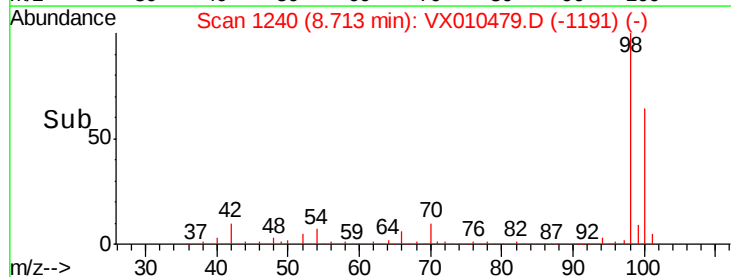
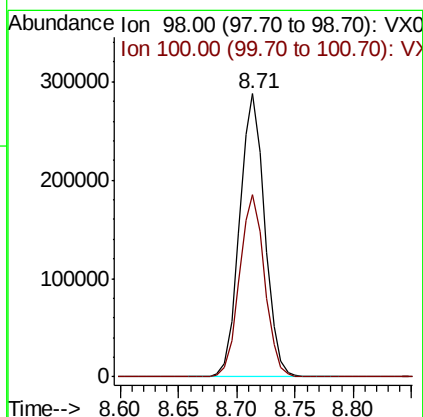
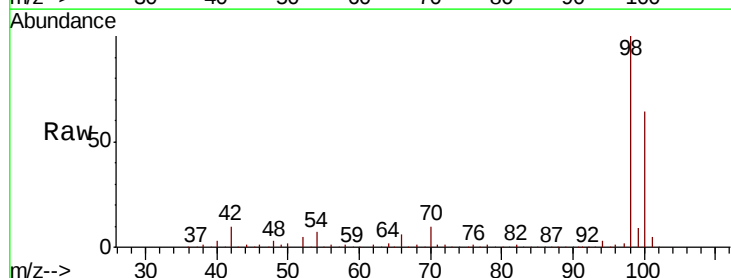
Instrument :
MSVOA_X
ClientSampleId :

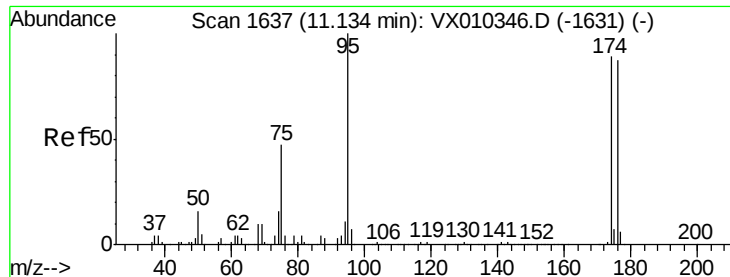
Tot Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 329.2 20.2 30.2#
58 91.7 49.5 74.3#



#50
Toluene-d8
Concen: 49.759 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

Tgt Ion: 98 Resp: 433875
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

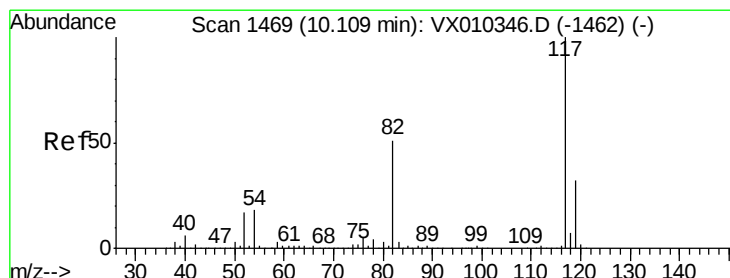
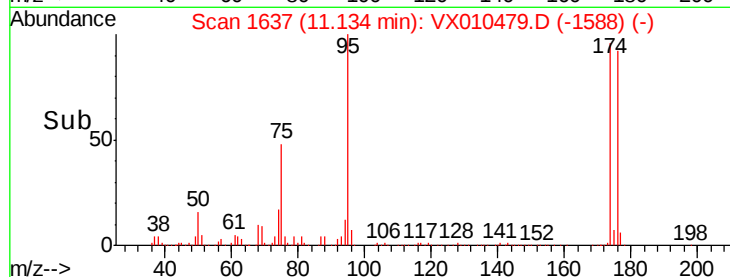
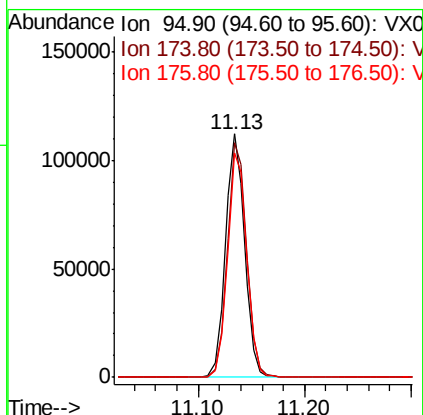
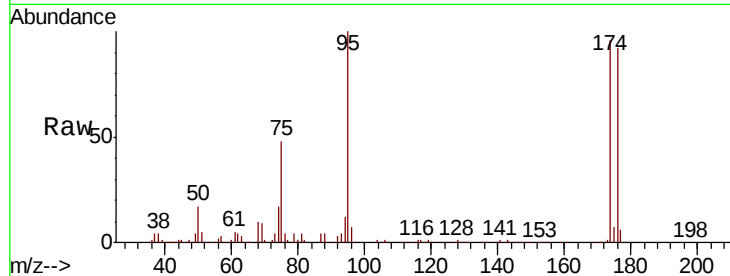




#62
4-Bromofluorobenzene
Concen: 44.861 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

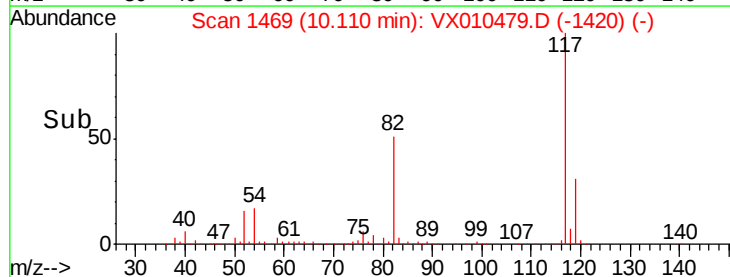
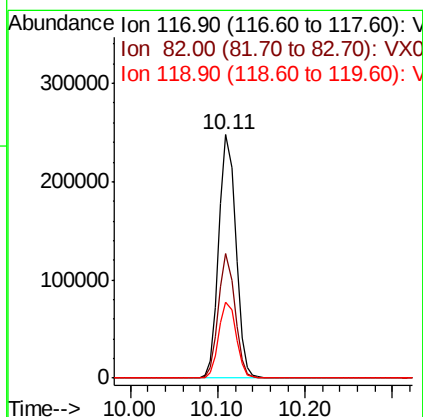
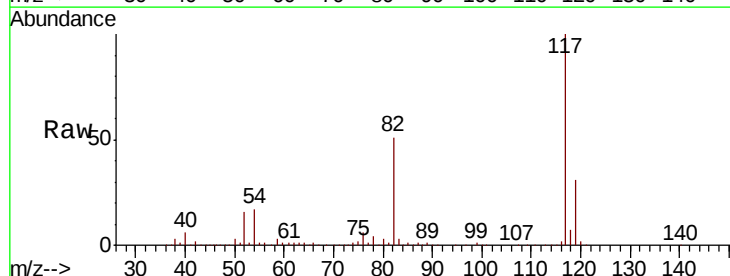
Instrument :
MSVOA_X
ClientSampleId :

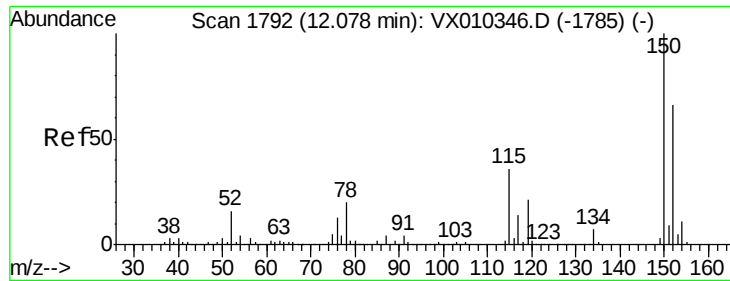
Tot Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	187.6
176	92.9	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.2	61.8
119	31.3	25.5	38.3



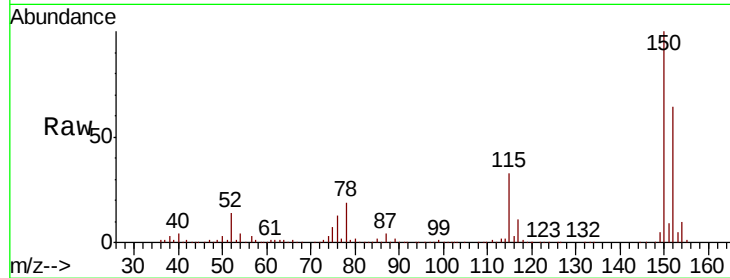


#72

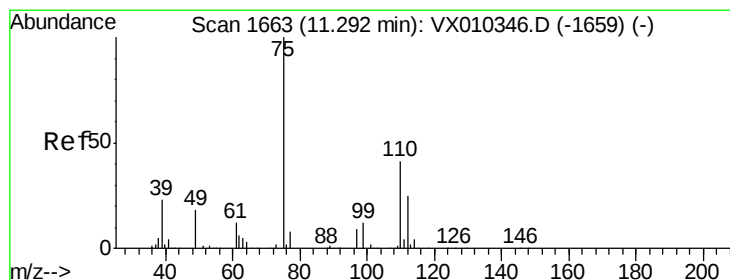
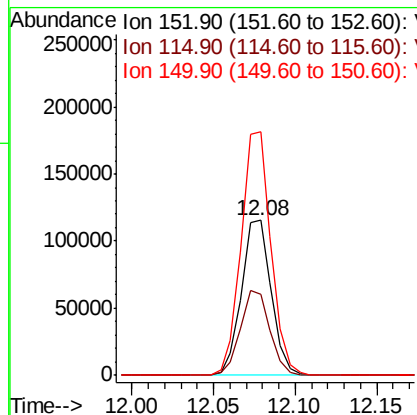
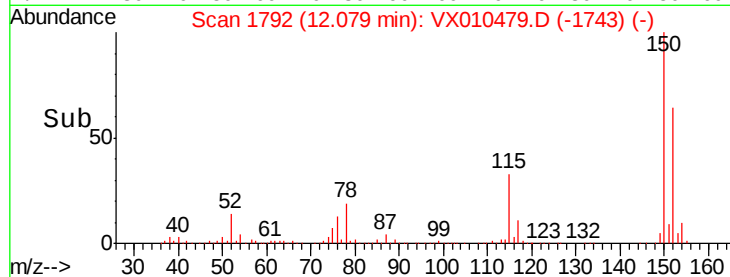
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 147102
Ion Ratio Lower Upper
152 100
115 54.3 38.6 115.7
150 157.4 0.0 347.4



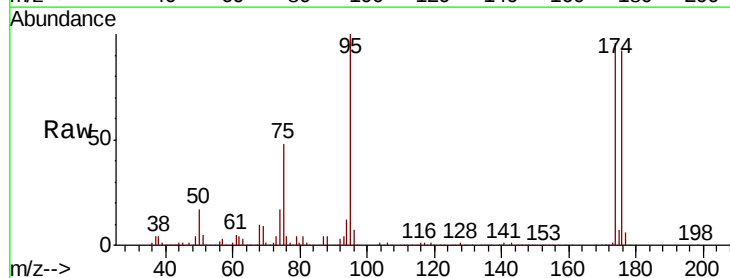
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



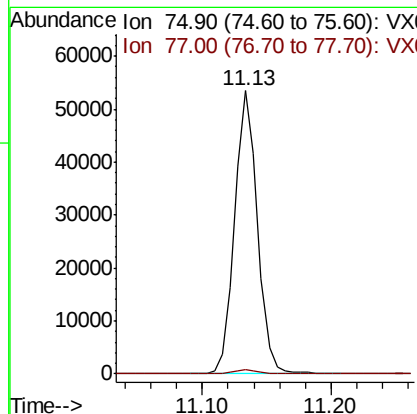
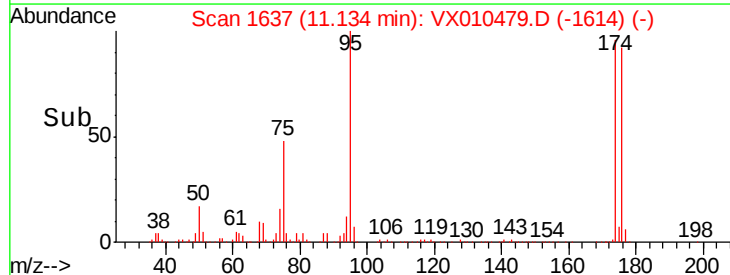
#76

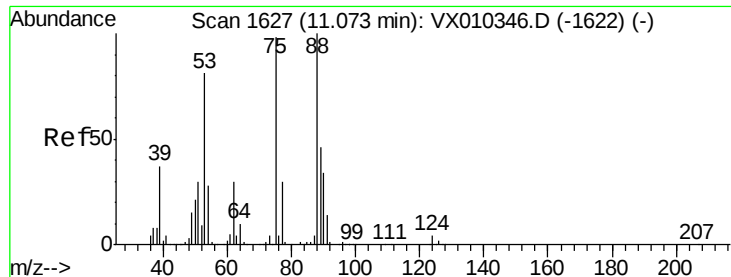
1,2,3-Trichloropropane
Concen: 24.659 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010479.D
Acq: 27 Jun 2019 11:25

Tgt Ion: 75 Resp: 66101
Ion Ratio Lower Upper
75 100
77 1.7 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: 57.527 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010479.D

Acq: 27 Jun 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

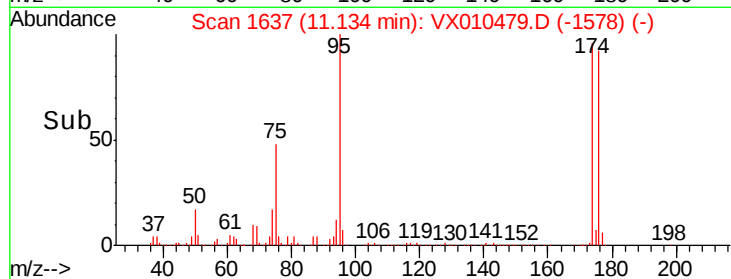
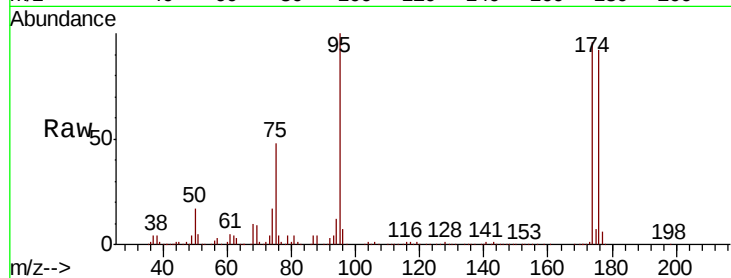
Tot Ion: 75 Resp: 66101

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.1 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

