

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010505.D
 Acq On : 27 Jun 2019 23:30
 Operator : JC/SP
 Sample : VX0627WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBL02

Quant Time: Jun 28 06:53:35 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	5.67	168	262666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	403096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	368779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172616	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	127945	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	5.50	113	125833	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
50) Toluene-d8	8.71	98	491258	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	11.13	95	163673	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

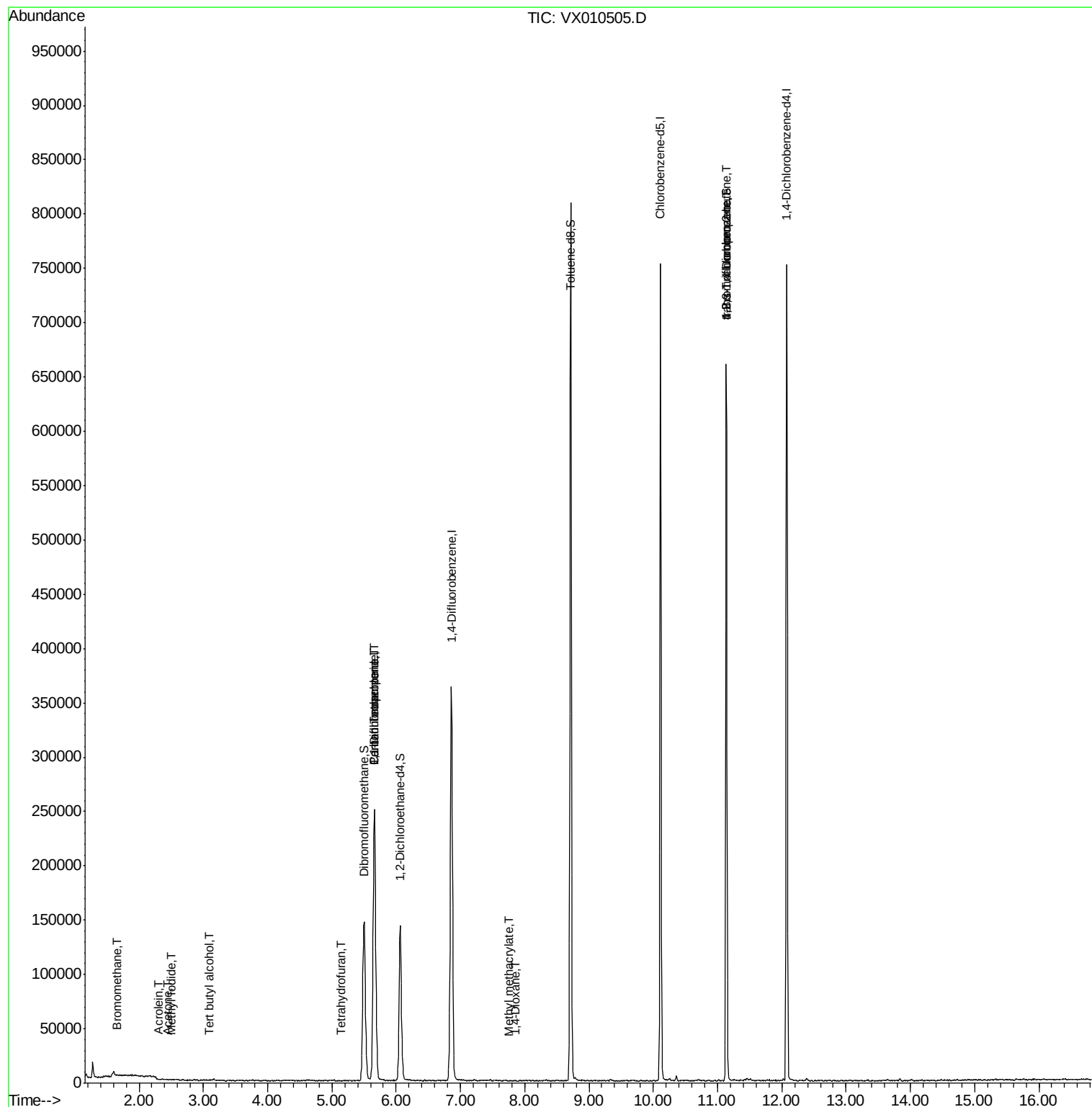
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	588	0.518	ug/l	98
10) Methyl Iodide	2.51	142	1029	0.322	ug/l #	78
11) Tert butyl alcohol	3.09	59	135	0.209	ug/l #	74
13) Acrolein	2.29	56	359	0.840	ug/l #	65
16) Acetone	2.44	43	300	0.243	ug/l #	87
29) Tetrahydrofuran	5.13	42	290	0.259	ug/l #	28
36) 1,1-Dichloropropene	5.66	75	16094	5.024	ug/l #	48
38) Carbon Tetrachloride	5.66	117	23120	6.665	ug/l #	16
48) Methyl methacrylate	7.75	41	557	0.220	ug/l #	41
49) 1,4-Dioxane	7.85	88	21	0.288	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	77917	24.771	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	77917	57.788	ug/l #	16

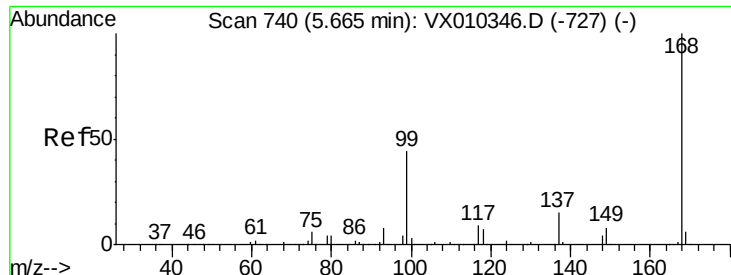
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010505.D

Acq: 27 Jun 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

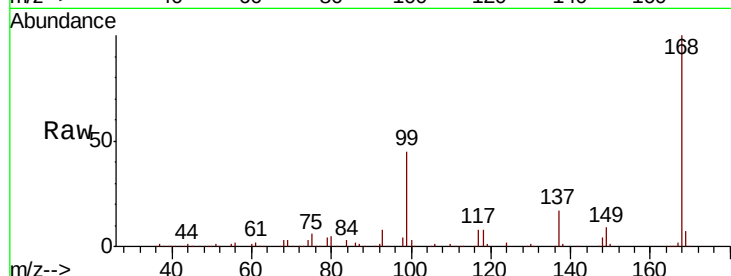
VX0627WBL02

Tot Ion:168 Resp: 262666

Ion Ratio Lower Upper

168 100

99 45.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

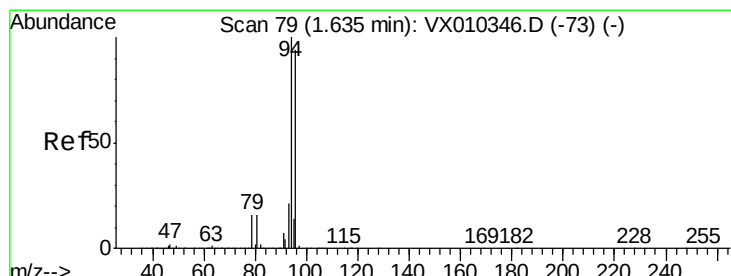
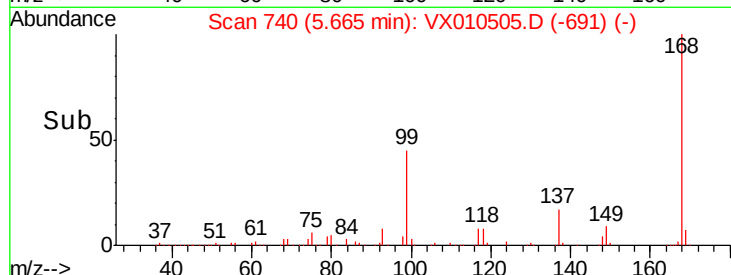
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: 0.518 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010505.D

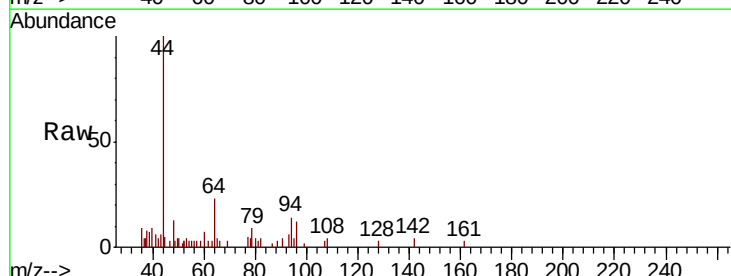
Acq: 27 Jun 2019 23:30

Tgt Ion: 94 Resp: 588

Ion Ratio Lower Upper

94 100

96 92.0 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

400

300

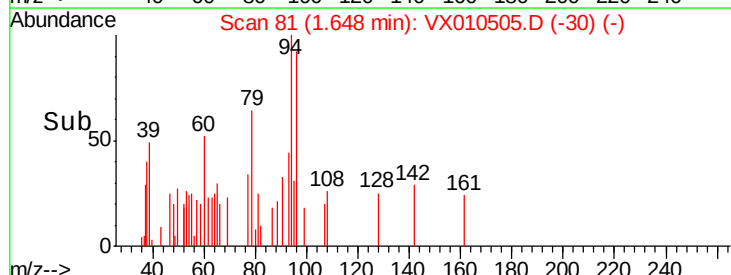
200

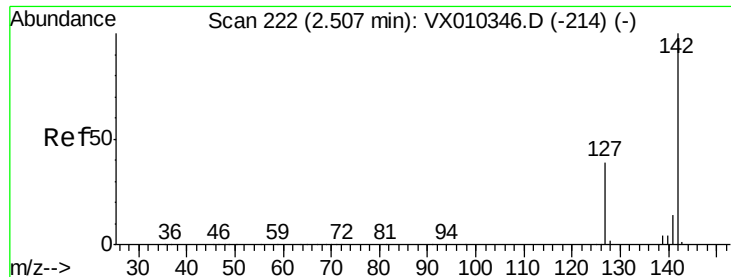
100

0

Time-->

1.60 1.65 1.70

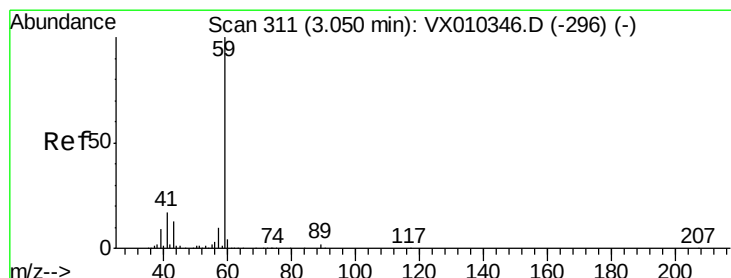
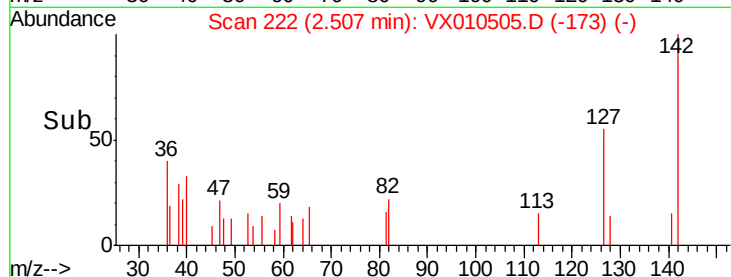
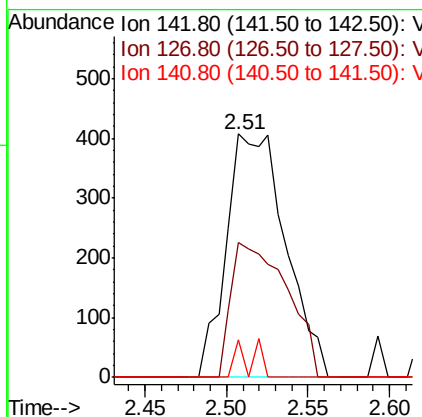
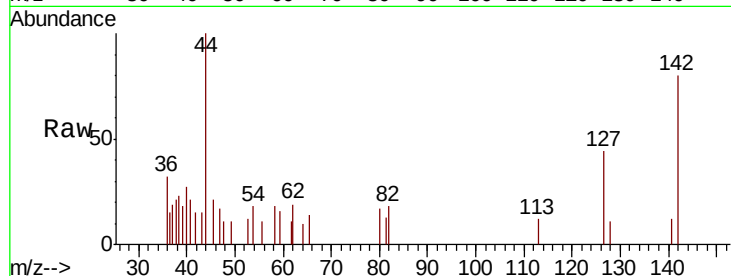




#10
Methvl Iodide
Concen: 0.322 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

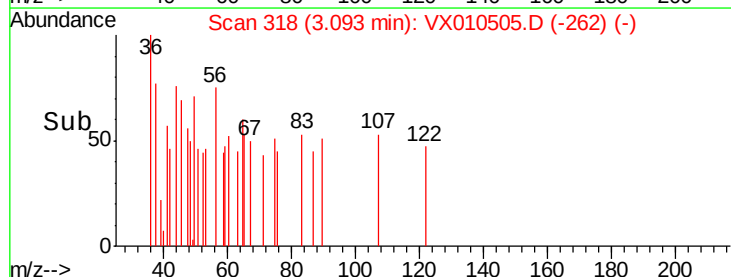
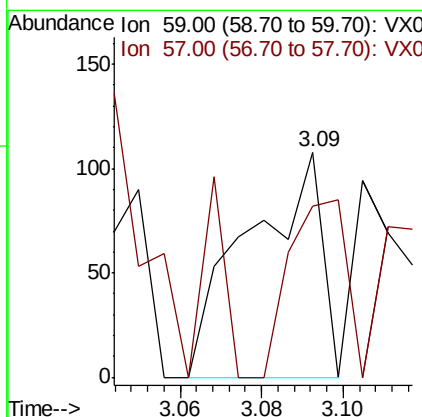
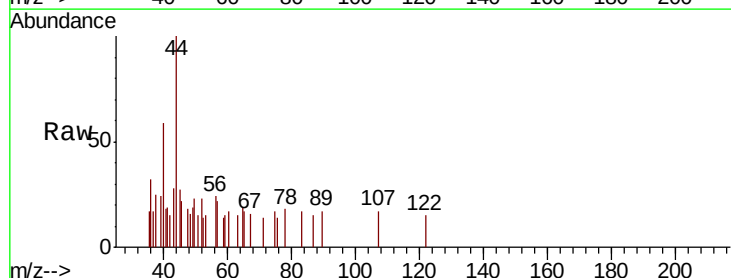
Instrument :
MSVOA_X
ClientSampled :
VX0627WBL02

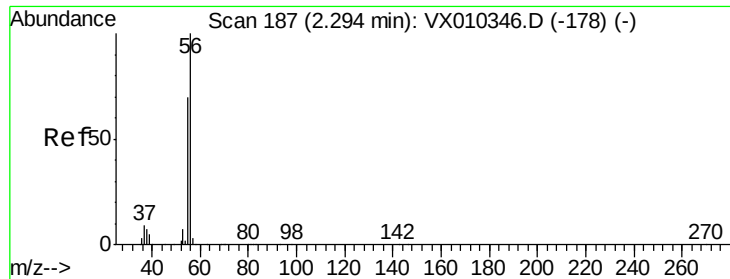
Tot Ion:142 Resp: 1029
Ion Ratio Lower Upper
142 100
127 52.3 31.1 46.7#
141 4.6 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.209 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.04 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 0.840 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010505.D

Acq: 27 Jun 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

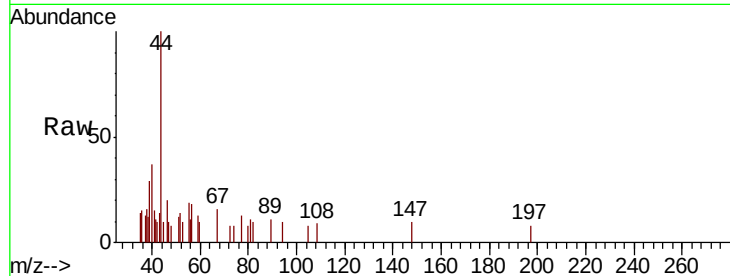
VX0627WBL02

Tot Ion: 56 Resp: 359

Ion Ratio Lower Upper

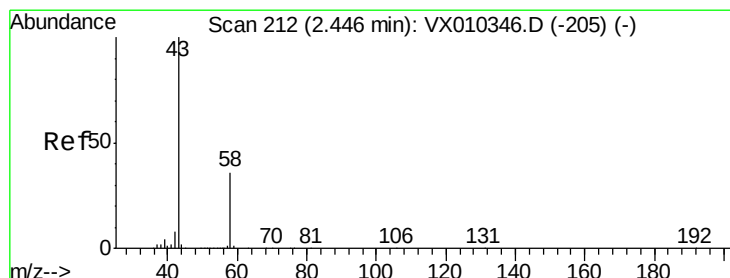
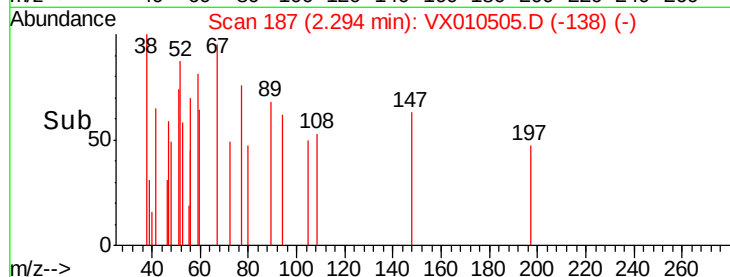
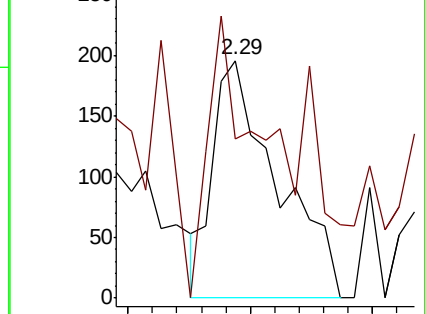
56 100

55 99.7 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.243 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010505.D

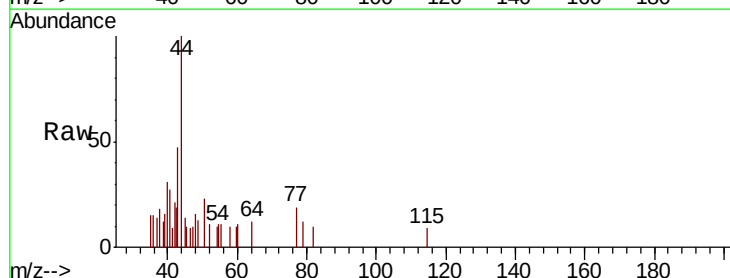
Acq: 27 Jun 2019 23:30

Tgt Ion: 43 Resp: 300

Ion Ratio Lower Upper

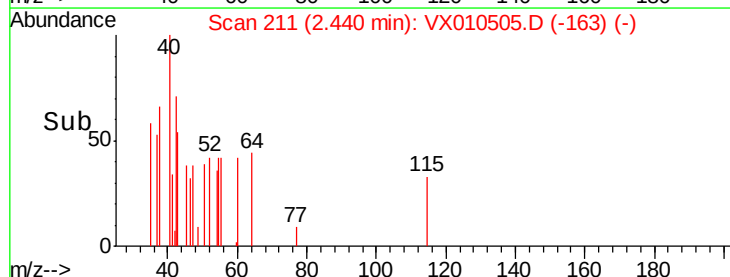
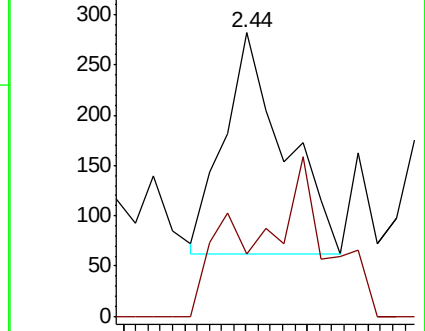
43 100

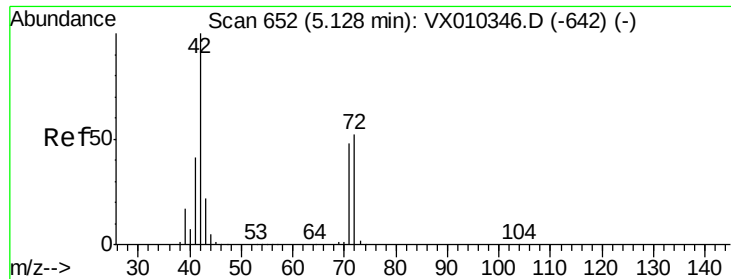
58 28.2 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#29

Tetrahydrofuran

Concen: 0.259 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010505.D

Acq: 27 Jun 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBL02

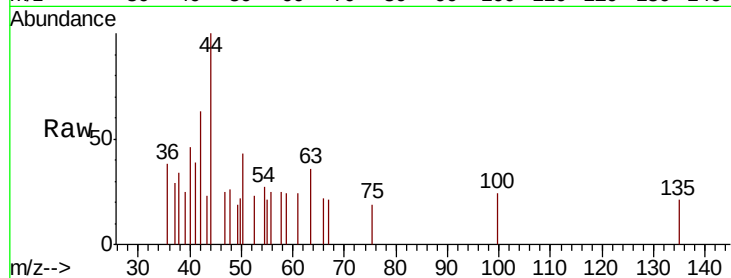
Tot Ion: 42 Resp: 290

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

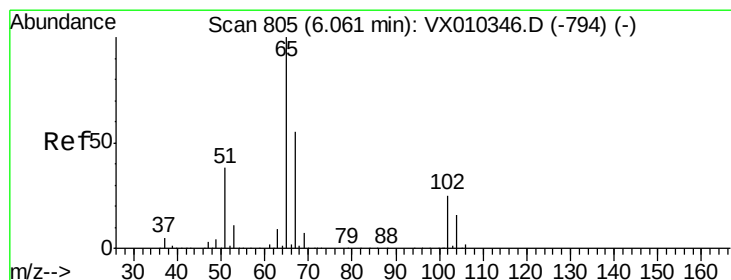
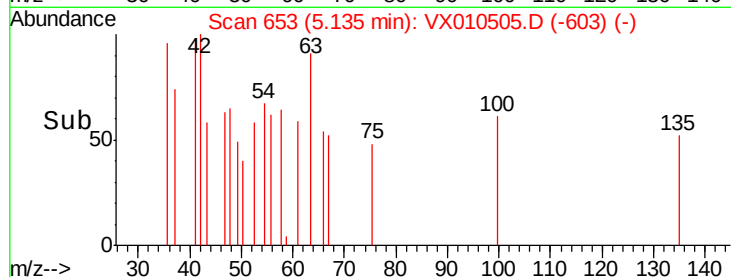
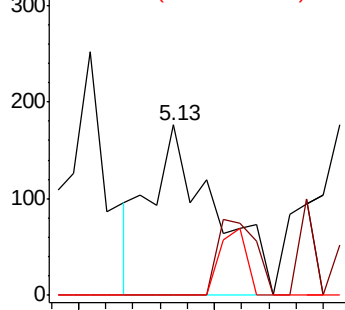
71 0.0 37.8 56.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.952 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010505.D

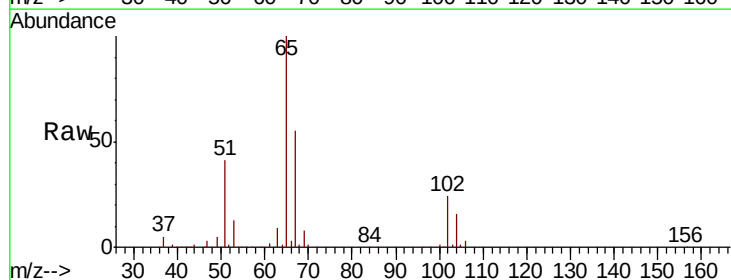
Acq: 27 Jun 2019 23:30

Tgt Ion: 65 Resp: 127945

Ion Ratio Lower Upper

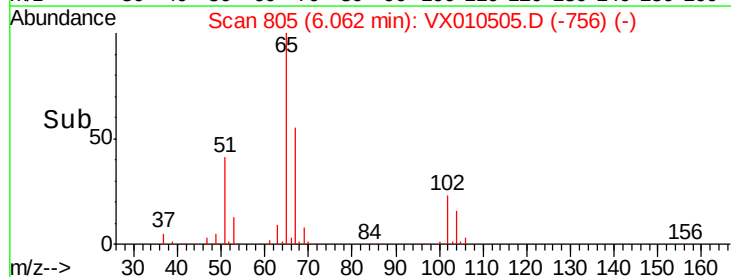
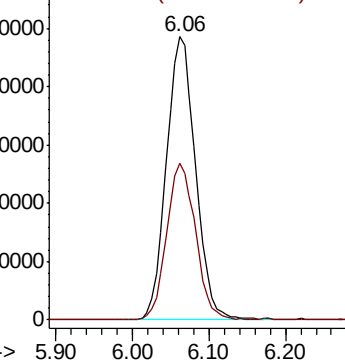
65 100

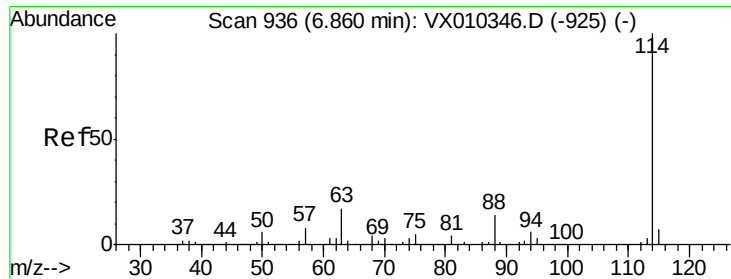
67 55.0 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

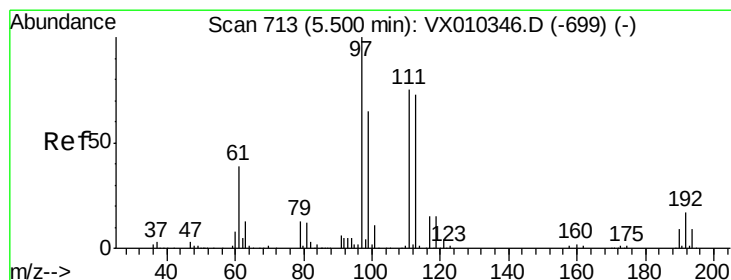
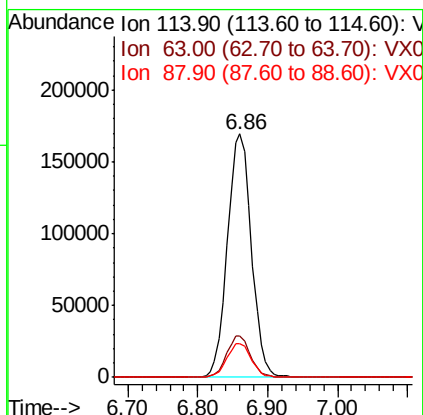
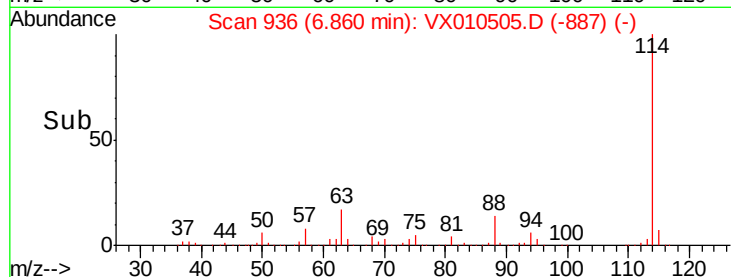
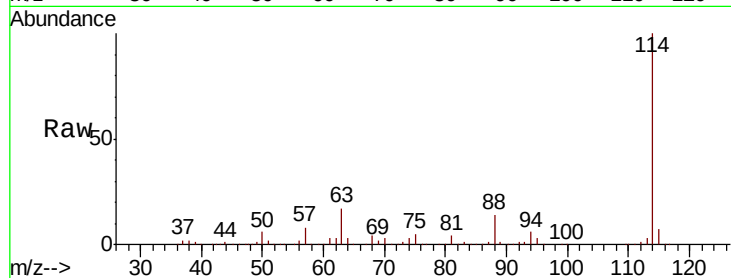




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

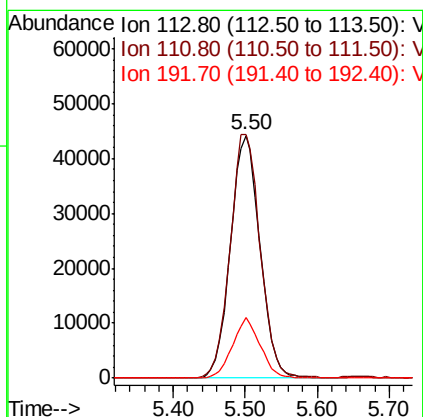
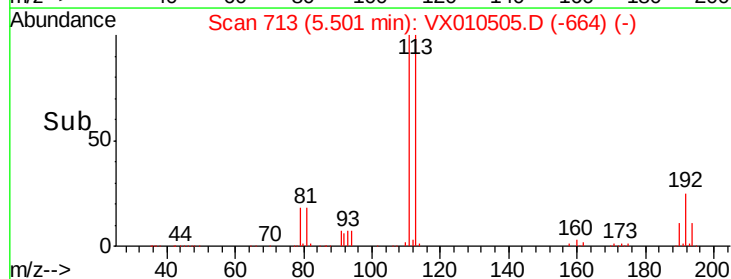
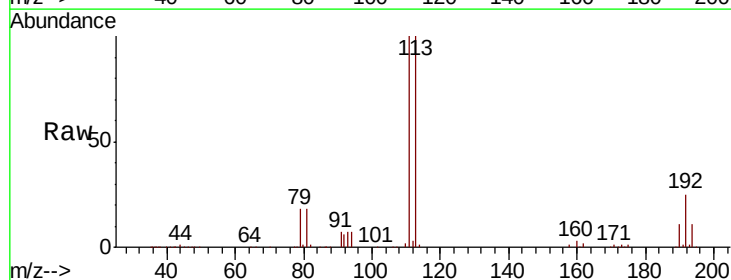
Instrument :
MSVOA_X
ClientSampleId :
VX0627WBL02

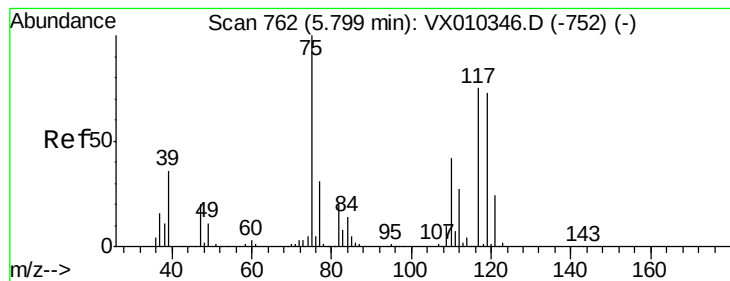
Tot Ion:114 Resp: 403096
Ion Ratio Lower Upper
114 100
63 17.2 0.0 33.8
88 14.0 0.0 27.6



#35
Dibromofluoromethane
Concen: 51.021 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

Tgt Ion:113 Resp: 125833
Ion Ratio Lower Upper
113 100
111 102.0 81.2 121.8
192 23.3 18.6 27.8





#36

1,1-Dichloropropene

Concen: 5.024 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010505.D

Acq: 27 Jun 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBL02

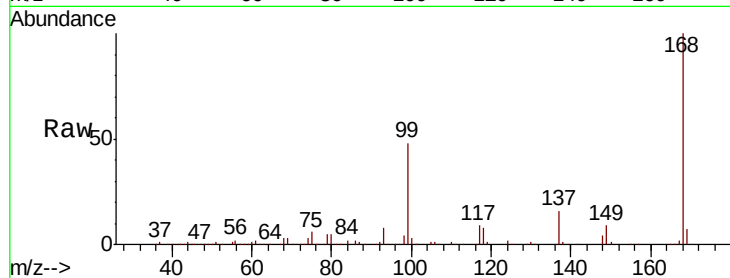
Tot Ion: 75 Resp: 16094

Ion Ratio Lower Upper

75 100

110 11.1 20.8 62.2#

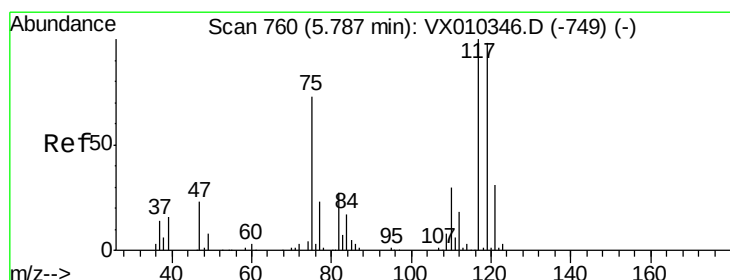
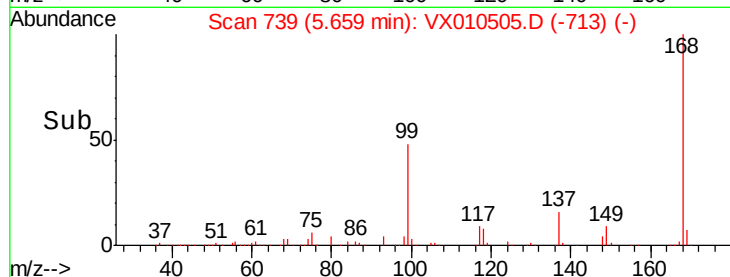
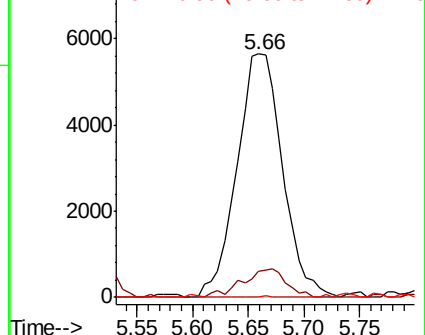
77 0.1 25.4 38.0#



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: 6.665 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010505.D

Acq: 27 Jun 2019 23:30

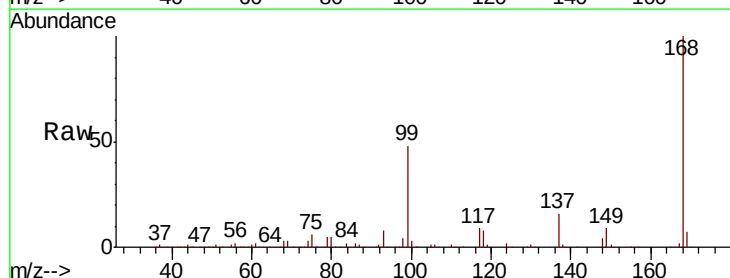
Tgt Ion: 117 Resp: 23120

Ion Ratio Lower Upper

117 100

119 6.2 78.2 117.4#

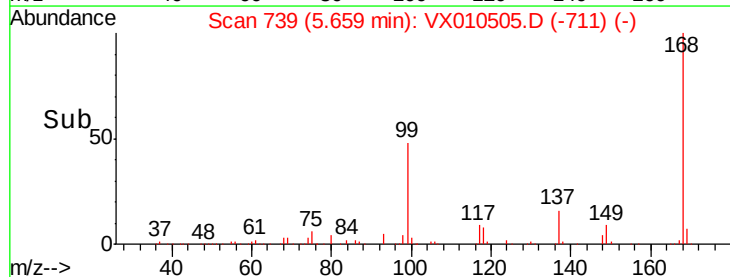
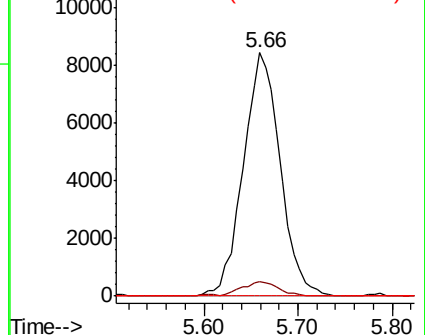
121 0.0 24.7 37.1#

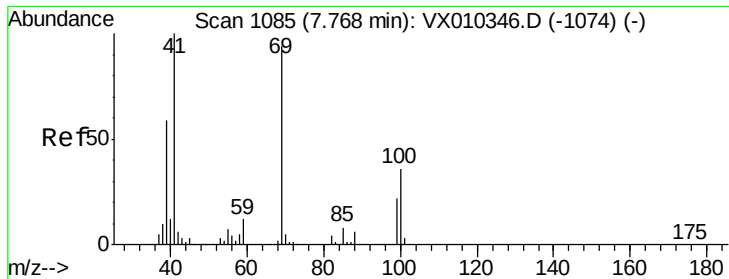


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

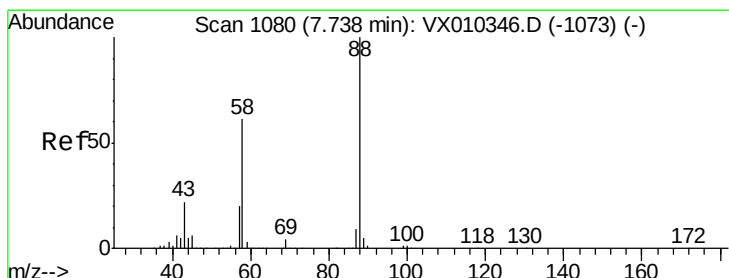
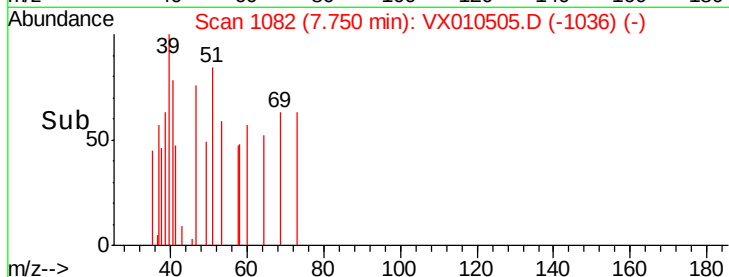
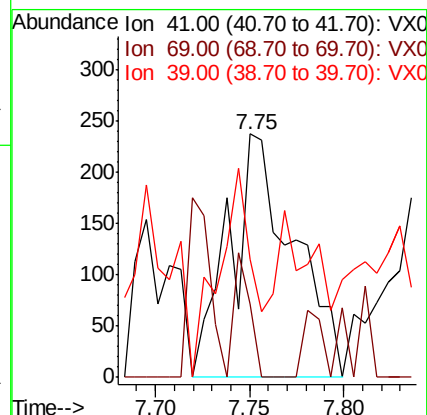
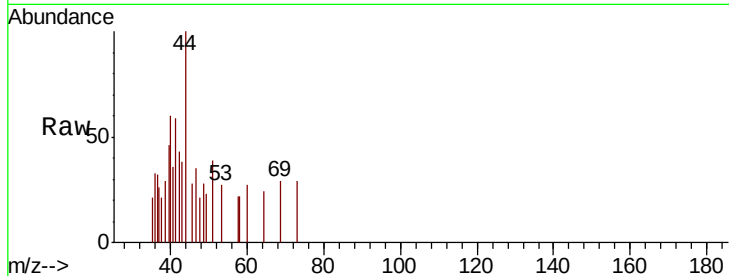




#48
Methvl methacrylate
Concen: 0.220 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.02 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

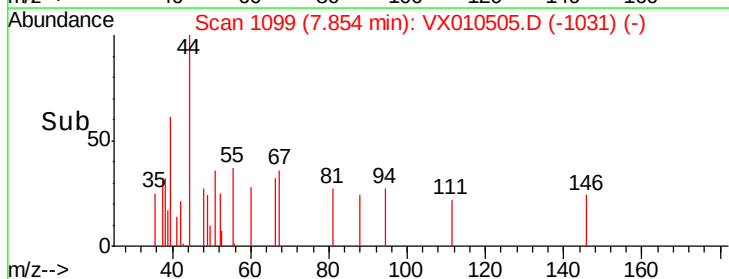
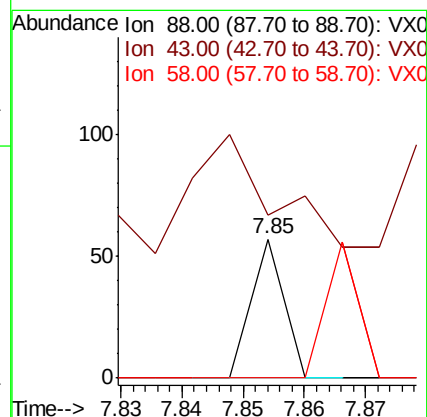
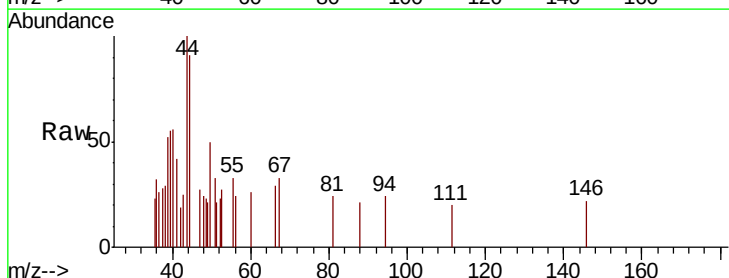
Instrument :
MSVOA_X
ClientSampleId :
VX0627WBL02

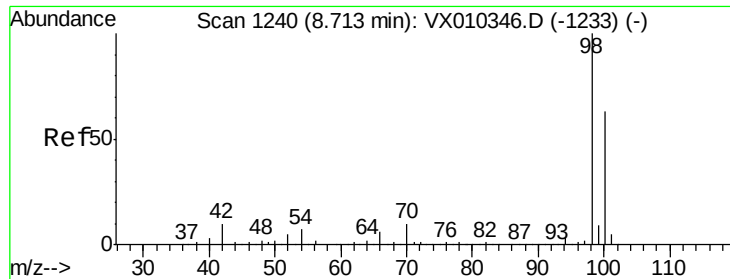
Tot Ion: 41 Resp: 557
Ion Ratio Lower Upper
41 100
69 12.7 76.1 114.1#
39 45.2 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.288 ug/l
RT: 7.85 min Scan# 1099
Delta R.T. 0.12 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 861.9 20.2 30.2#
58 95.2 49.5 74.3#

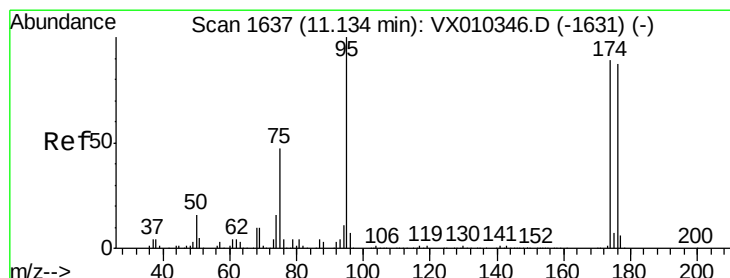
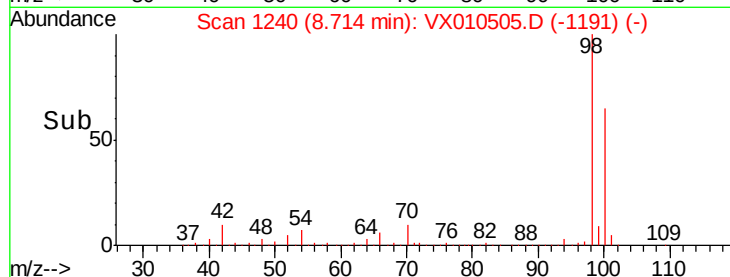
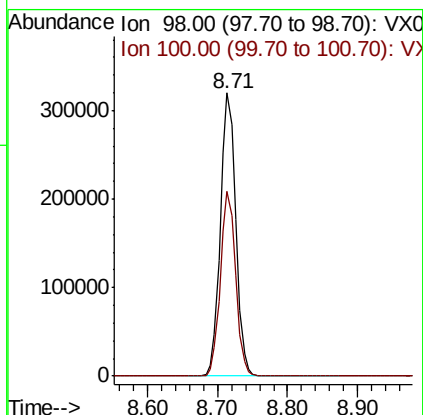
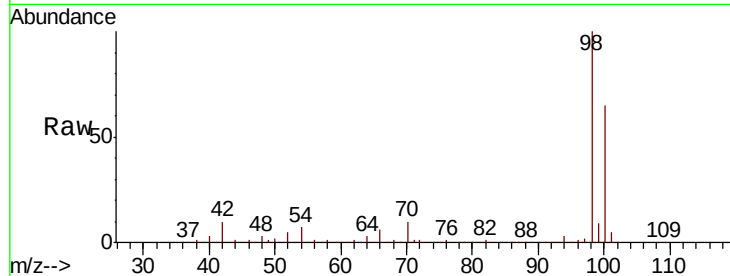




#50
Toluene-d8
Concen: 52.065 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

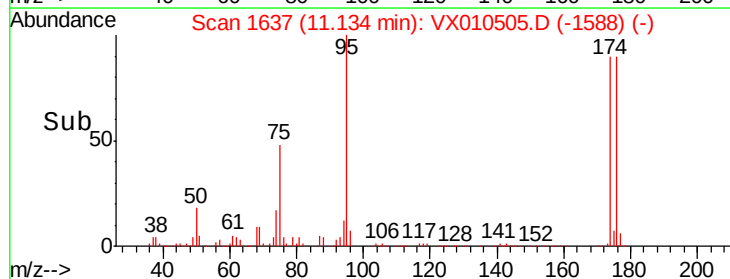
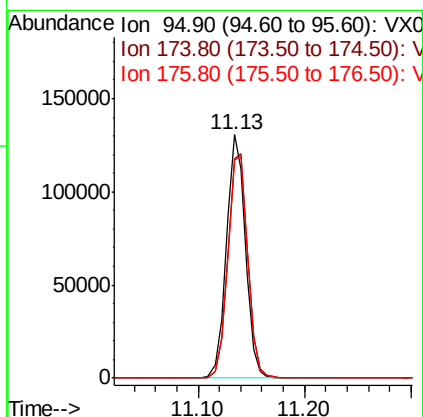
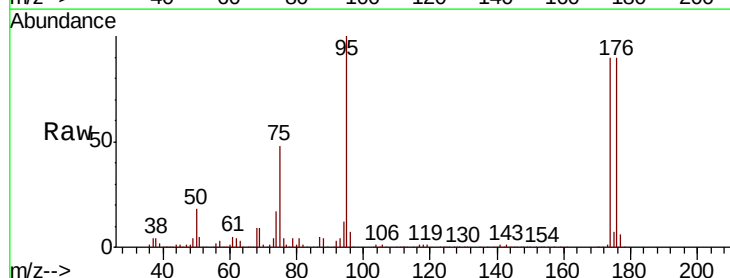
Instrument :
MSVOA_X
ClientSampleId :
VX0627WBL02

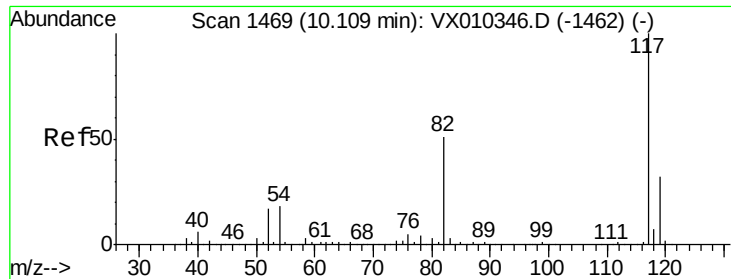
Tot Ion: 98 Resp: 491258
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 48.047 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

Tgt Ion: 95 Resp: 163673
Ion Ratio Lower Upper
95 100
174 96.6 0.0 187.6
176 95.3 0.0 184.0

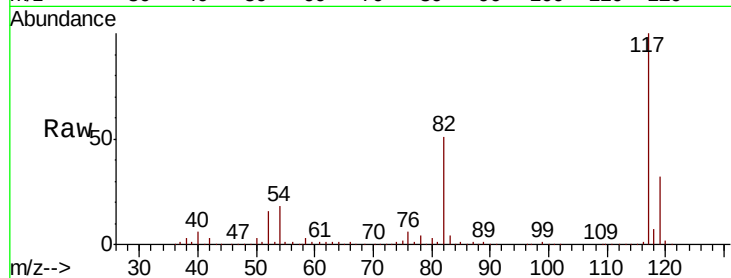




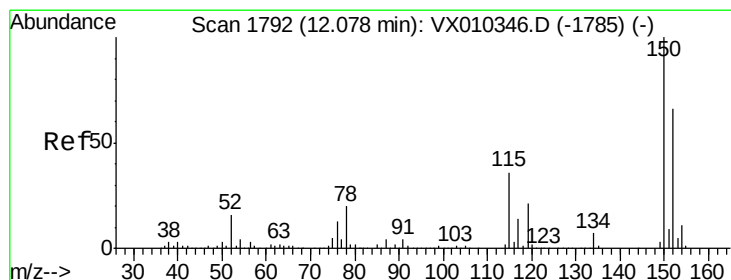
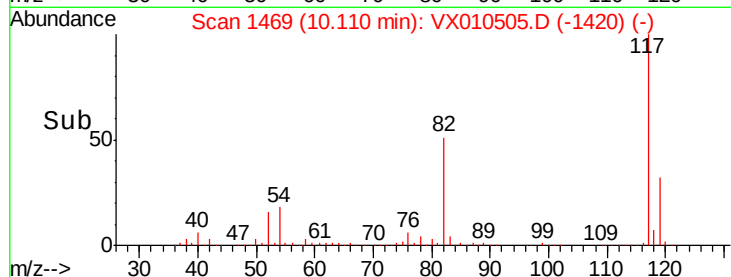
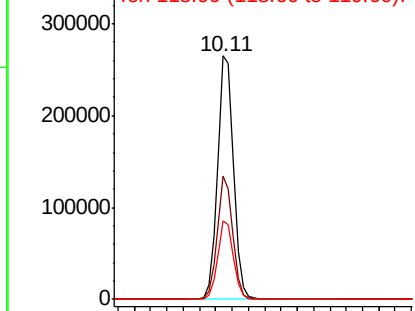
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBL02

Tot Ion:117 Resp: 368779
Ion Ratio Lower Upper
117 100
82 50.6 41.2 61.8
119 32.1 25.5 38.3

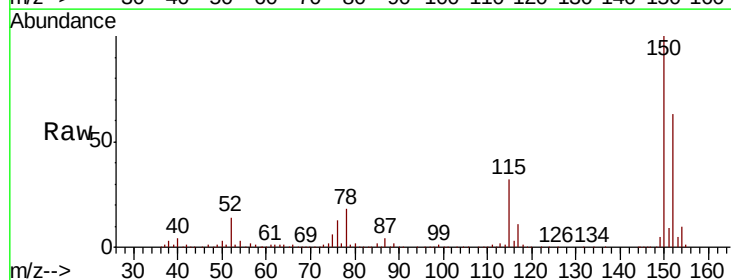


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

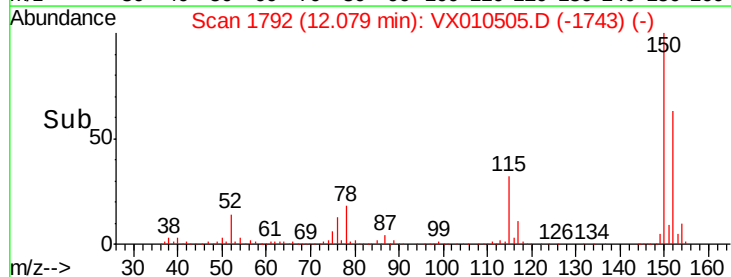
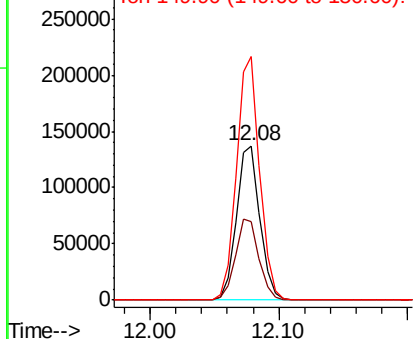


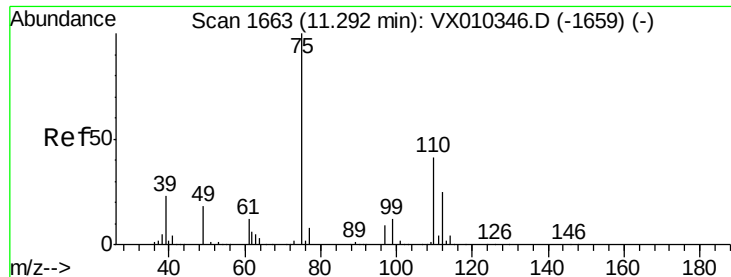
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010505.D
Acq: 27 Jun 2019 23:30

Tgt Ion:152 Resp: 172616
Ion Ratio Lower Upper
152 100
115 53.0 38.6 115.7
150 156.1 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

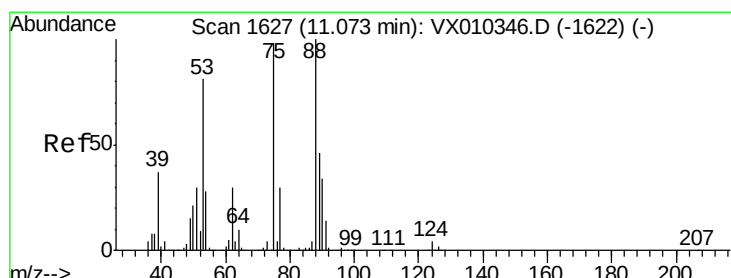
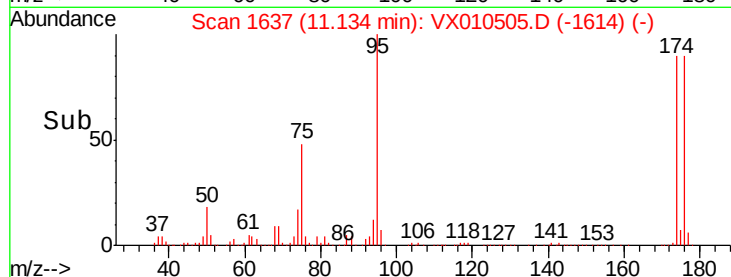
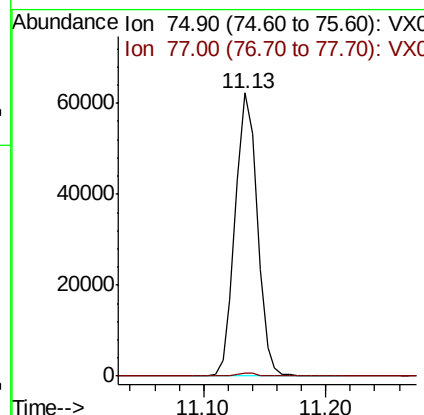
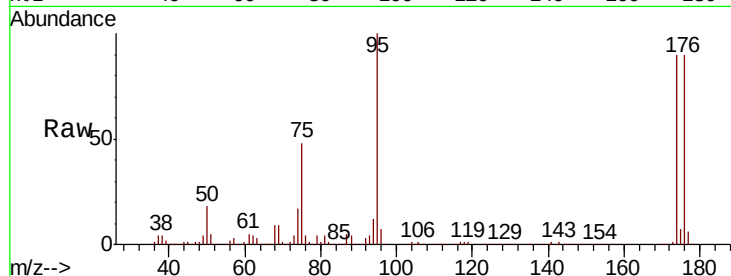




#76
 1,2,3-Trichloropropane
 Concen: 24.771 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010505.D
 Acq: 27 Jun 2019 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBL02

Tot Ion: 75 Resp: 77917
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.788 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010505.D
 Acq: 27 Jun 2019 23:30

Tgt Ion: 75 Resp: 77917
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.1 99.1#
 89 0.1 37.8 56.6#

