

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010553.D
 Acq On : 28 Jun 2019 23:11
 Operator : JC/SP
 Sample : VX0628WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL02

Quant Time: Jun 29 04:43:36 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	254435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397341	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	358324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165081	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	126873	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
35) Dibromofluoromethane	5.50	113	121785	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	8.71	98	476532	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.13	95	160499	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	

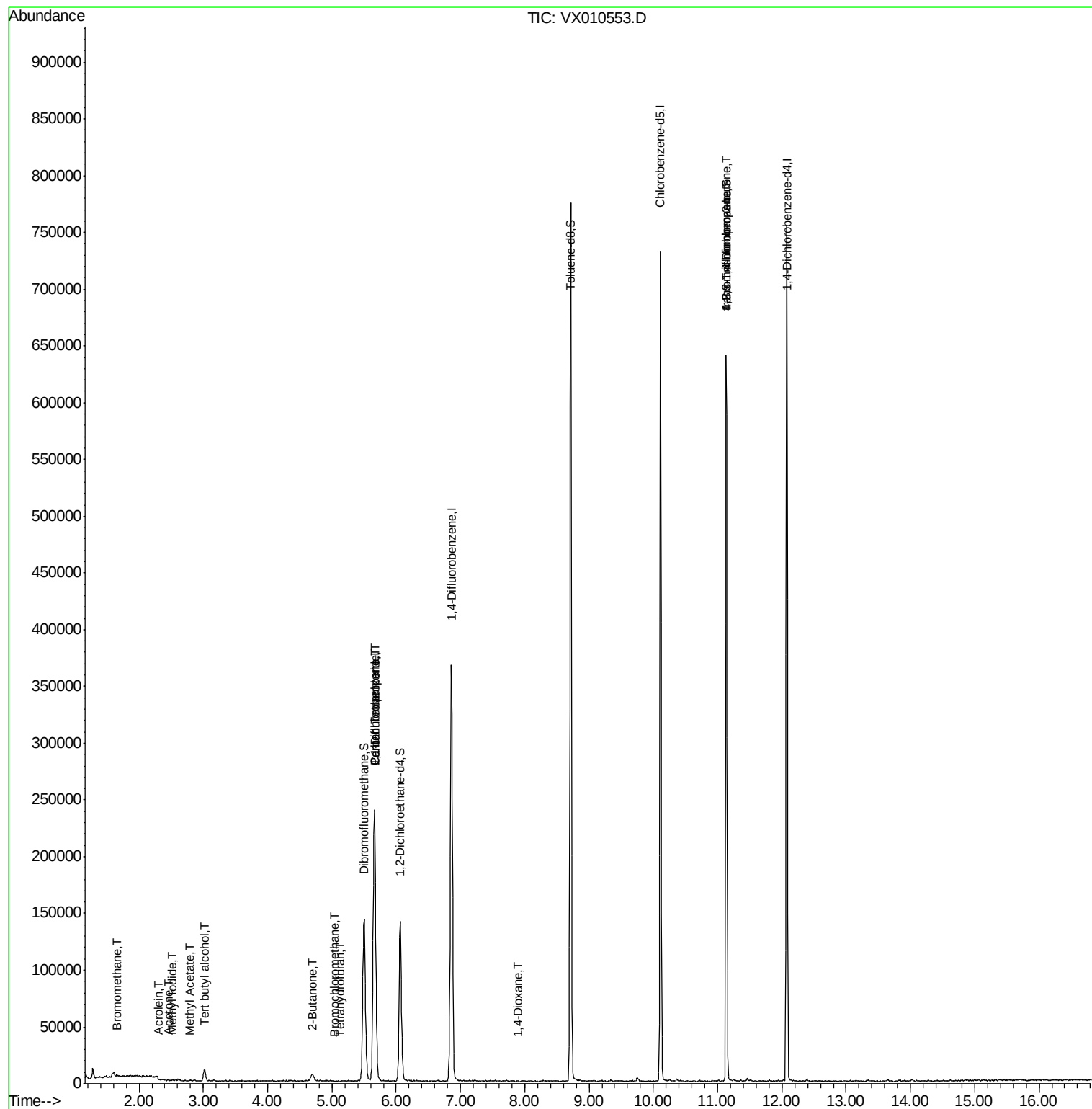
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	740	0.673	ug/l #	73
10) Methyl Iodide	2.52	142	762	0.246	ug/l #	83
11) Tert butyl alcohol	3.01	59	5652	9.054	ug/l #	79
13) Acrolein	2.30	56	184	0.444	ug/l #	66
16) Acetone	2.45	43	444	0.371	ug/l #	40
18) Methyl Acetate	2.78	43	607	0.255	ug/l #	78
25) 2-Butanone	4.69	43	487	0.278	ug/l #	46
28) Bromochloromethane	5.04	49	565	0.312	ug/l #	2
29) Tetrahydrofuran	5.12	42	300	0.276	ug/l #	28
36) 1,1-Dichloropropene	5.67	75	15616	4.946	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22719	6.645	ug/l #	15
49) 1,4-Dioxane	7.90	88	22	0.306	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	76657	25.483	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	76657	59.448	ug/l #	16

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

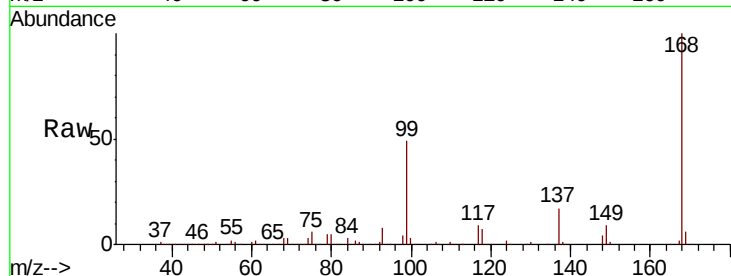
VX0628WBL02

Tot Ion:168 Resp: 254435

Ion Ratio Lower Upper

168 100

99 49.0 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

80000

60000

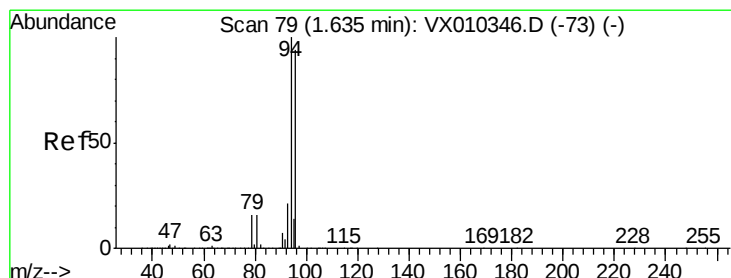
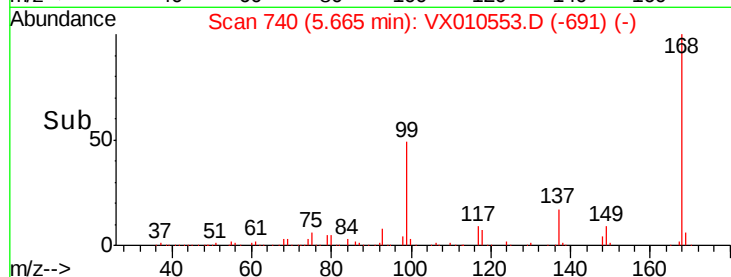
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.673 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010553.D

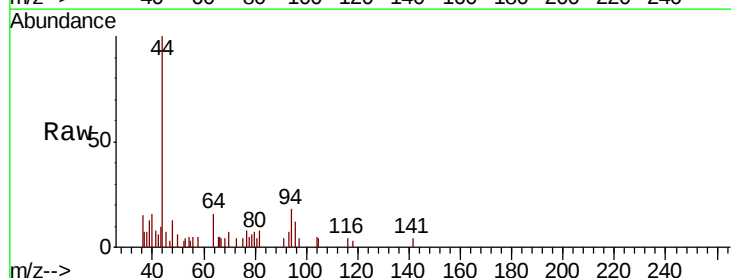
Acq: 28 Jun 2019 23:11

Tgt Ion: 94 Resp: 740

Ion Ratio Lower Upper

94 100

96 68.6 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

300

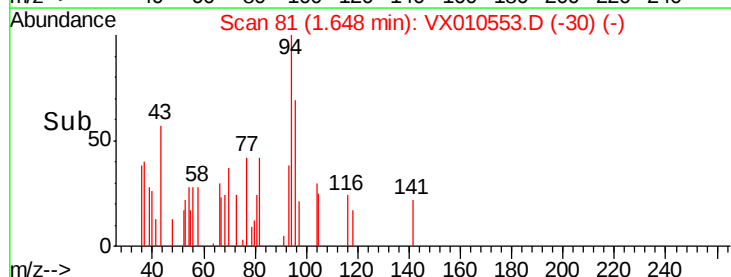
200

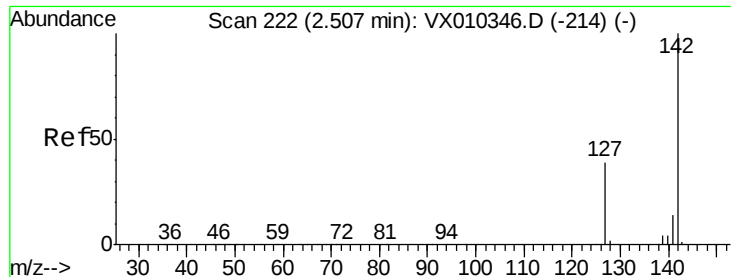
100

0

Time-->

1.60 1.65 1.70

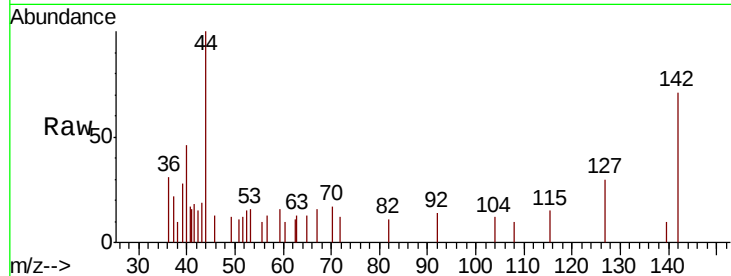




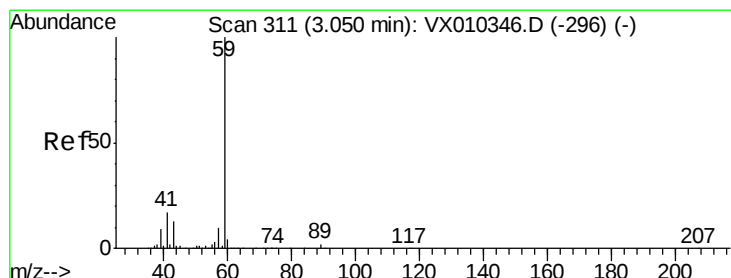
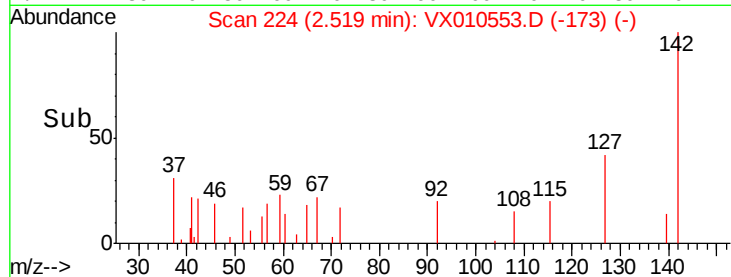
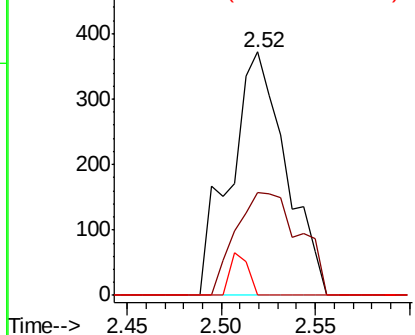
#10
Methvl Iodide
Concen: 0.246 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010553.D
Acq: 28 Jun 2019 23:11

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBL02

Tot Ion:142 Resp: 762
Ion Ratio Lower Upper
142 100
127 48.4 31.1 46.7#
141 5.6 11.2 16.8#

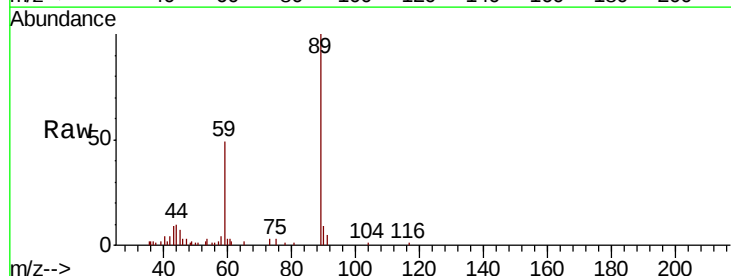


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

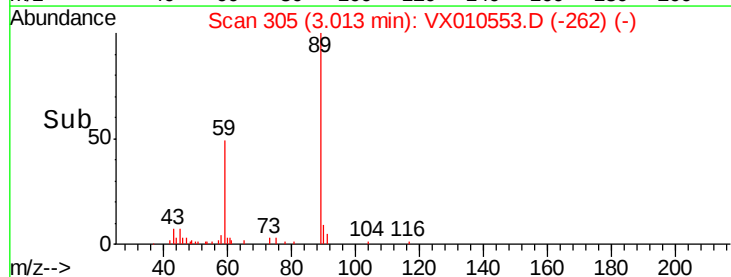
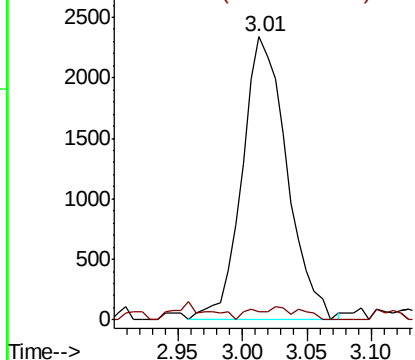


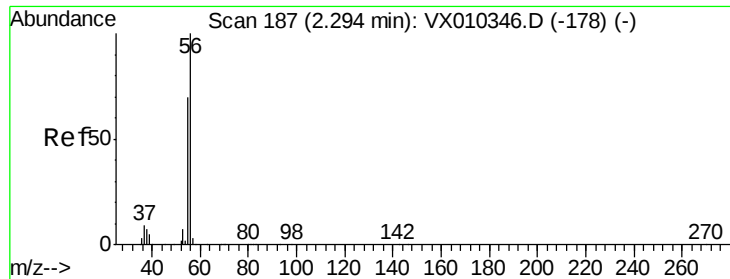
#11
Tert butyl alcohol
Concen: 9.054 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010553.D
Acq: 28 Jun 2019 23:11

Tgt Ion: 59 Resp: 5652
Ion Ratio Lower Upper
59 100
57 1.9 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.444 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

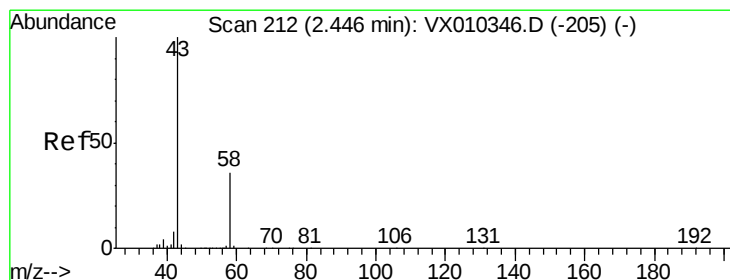
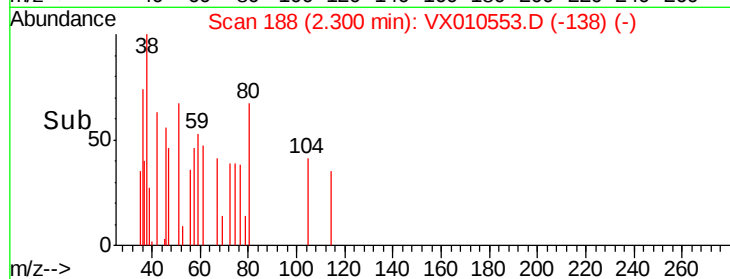
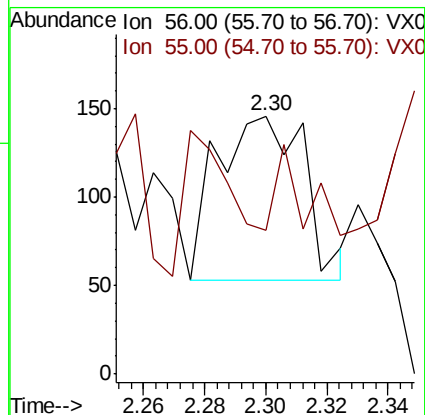
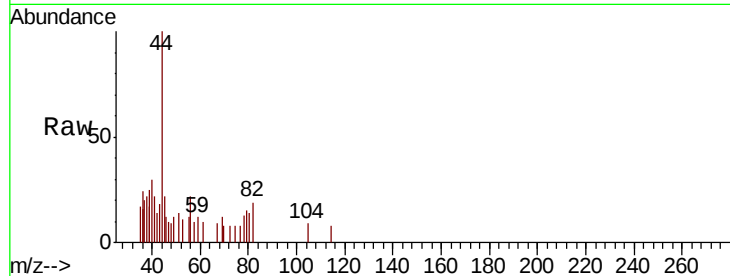
VX0628WBL02

Tot Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 42.9 56.9 85.3#



#16

Acetone

Concen: 0.371 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010553.D

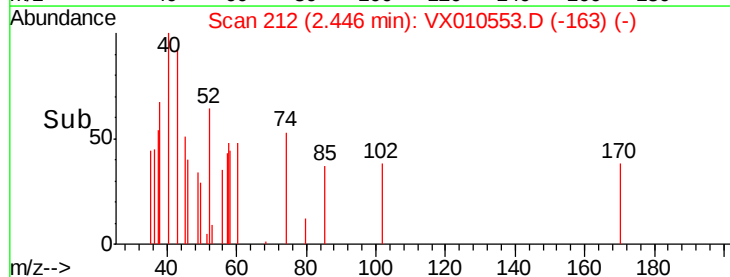
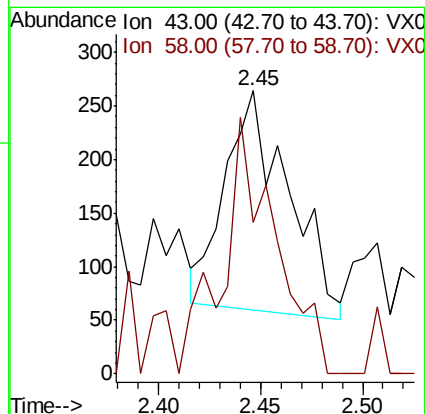
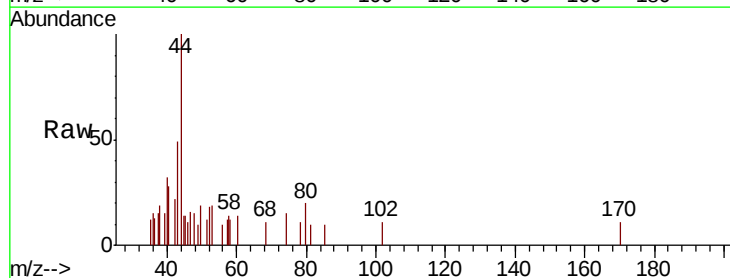
Acq: 28 Jun 2019 23:11

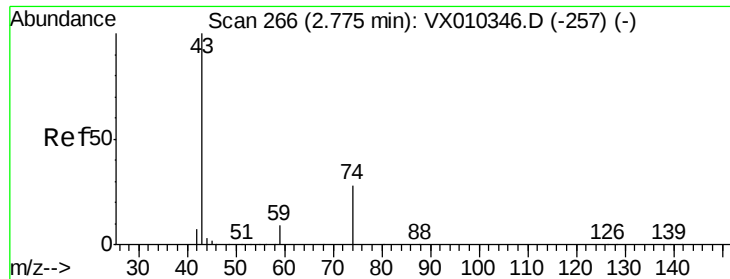
Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

58 71.2 28.9 43.3#

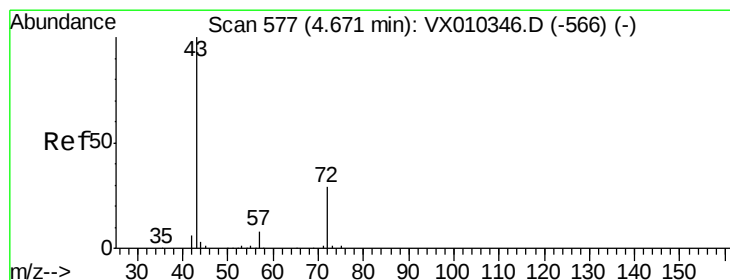
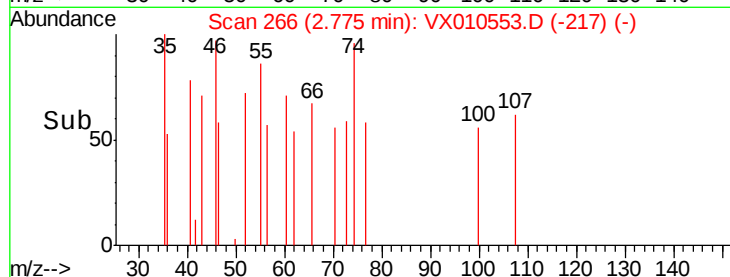
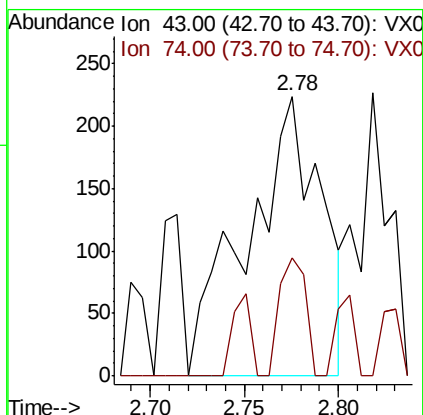
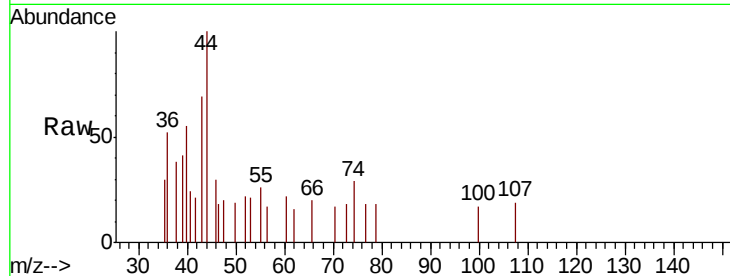




#18
Methvl Acetate
Concen: 0.255 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010553.D
Acq: 28 Jun 2019 23:11

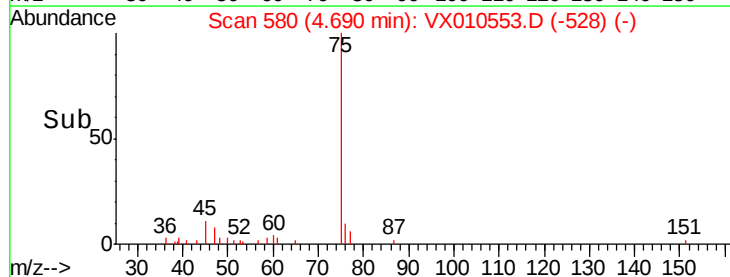
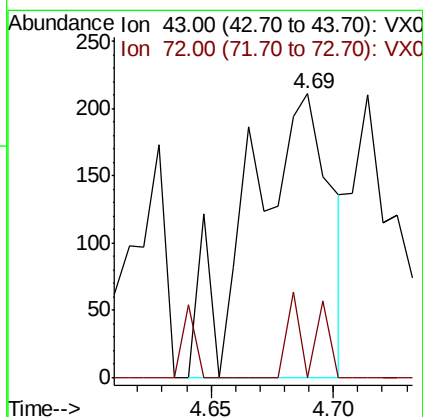
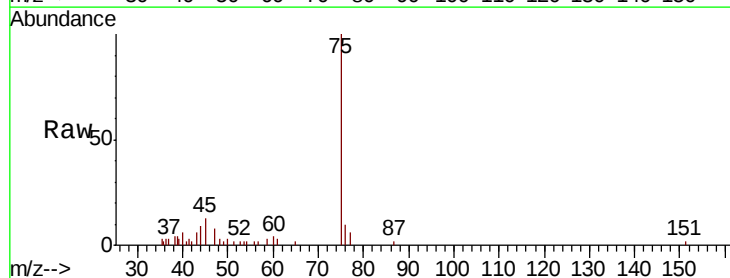
Instrument :
MSVOA_X
ClientSampled :
VX0628WBL02

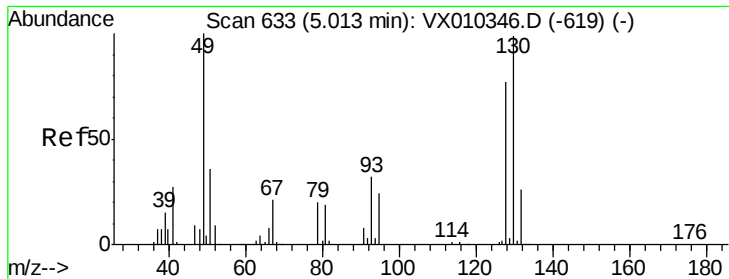
Tot Ion: 43 Resp: 607
Ion Ratio Lower Upper
43 100
74 15.2 21.3 31.9#



#25
2-Butanone
Concen: 0.278 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX010553.D
Acq: 28 Jun 2019 23:11

Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#





#28

Bromochloromethane

Concen: 0.312 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.03 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampled :

VX0628WBL02

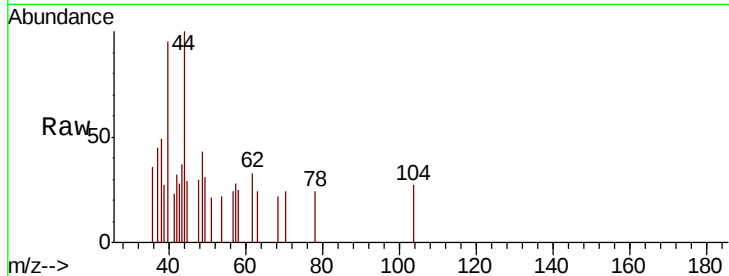
Tot Ion: 49 Resp: 565

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

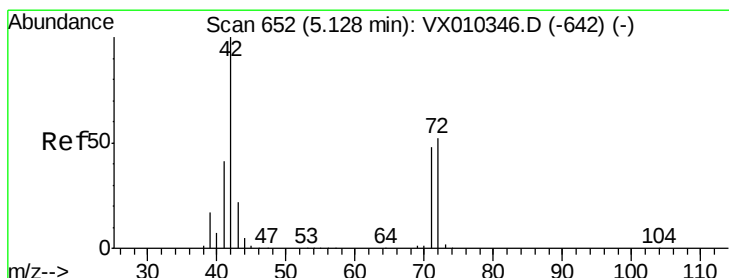
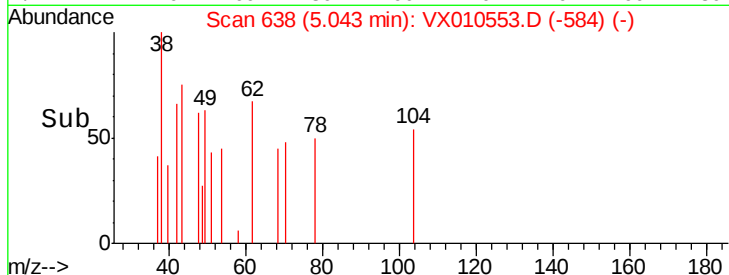
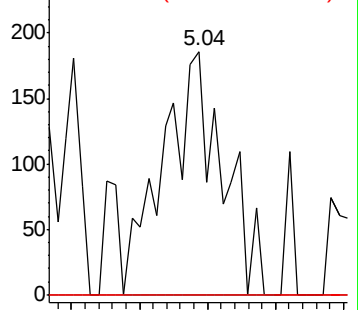
130 0.0 81.4 122.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.276 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

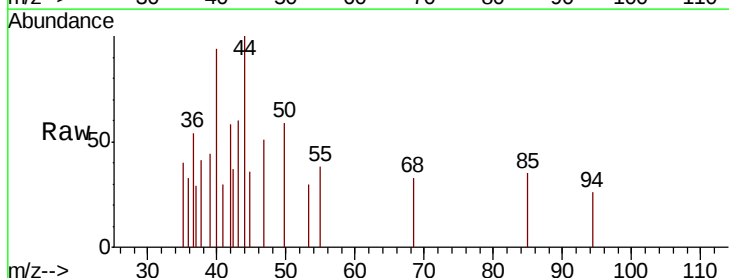
Tgt Ion: 42 Resp: 300

Ion Ratio Lower Upper

42 100

72 0.0 40.6 60.8#

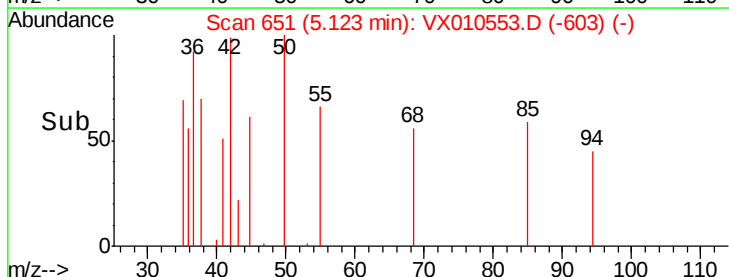
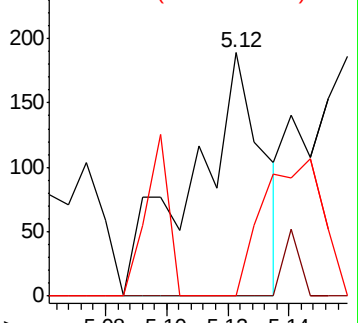
71 0.0 37.8 56.8#

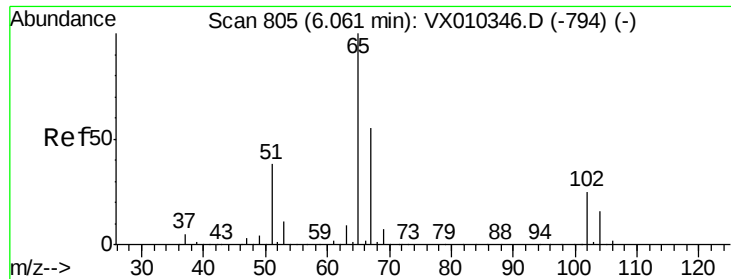


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.183 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

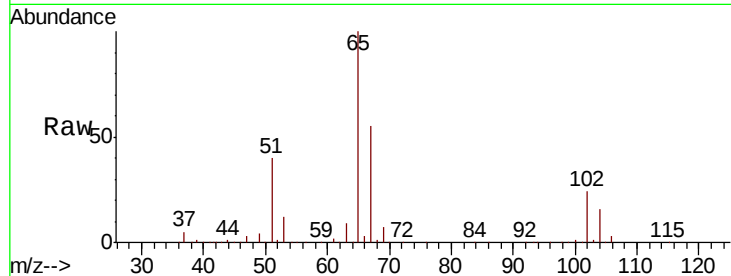
VX0628WBL02

Tot Ion: 65 Resp: 126873

Ion Ratio Lower Upper

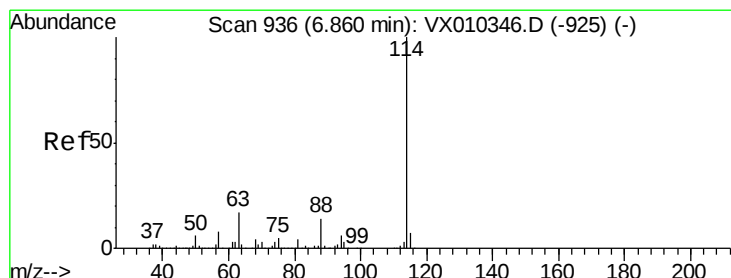
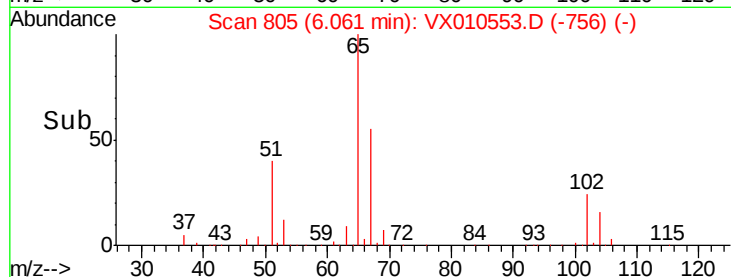
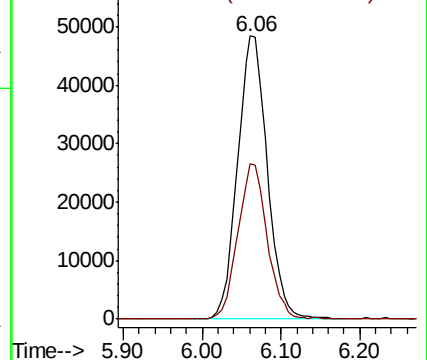
65 100

67 54.4 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: VX010553.D

Acq: 28 Jun 2019 23:11

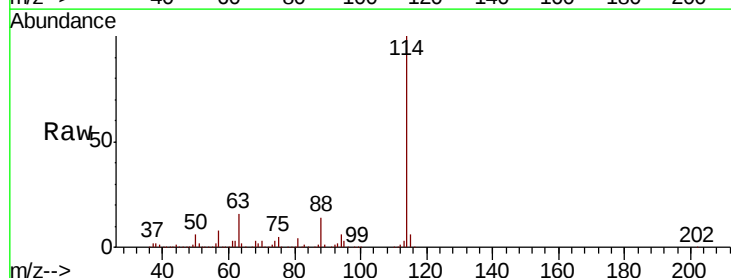
Tgt Ion: 114 Resp: 397341

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.8

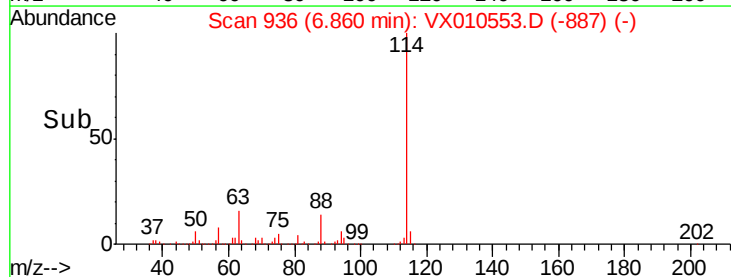
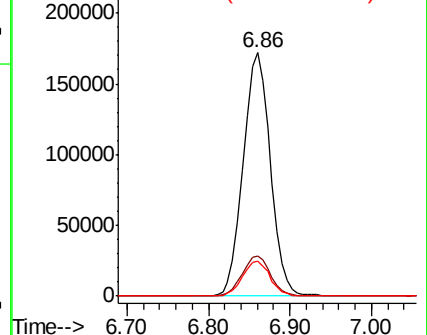
88 14.4 0.0 27.6

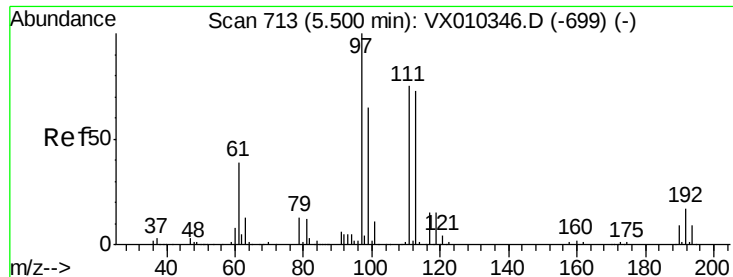


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.095 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBL02

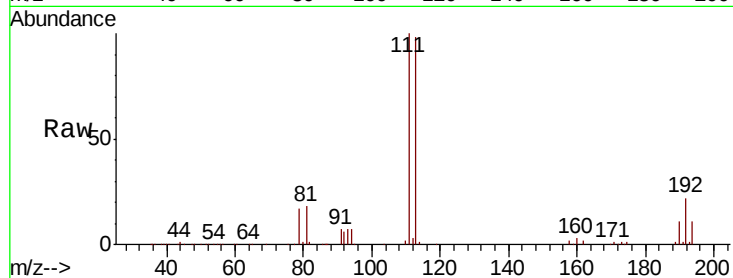
Tot Ion:113 Resp: 121785

Ion Ratio Lower Upper

113 100

111 102.5 81.2 121.8

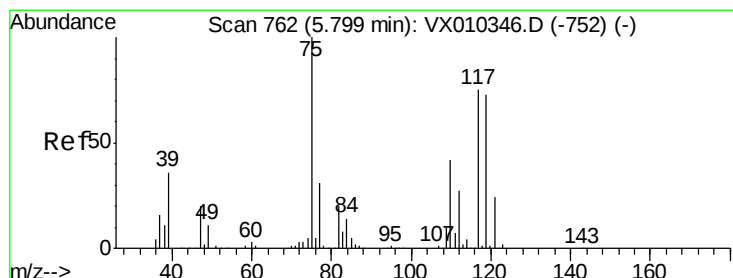
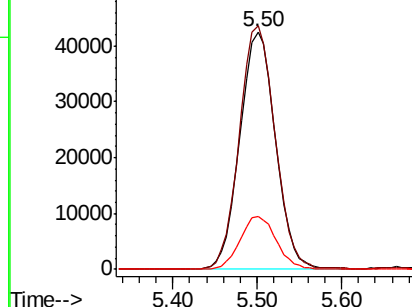
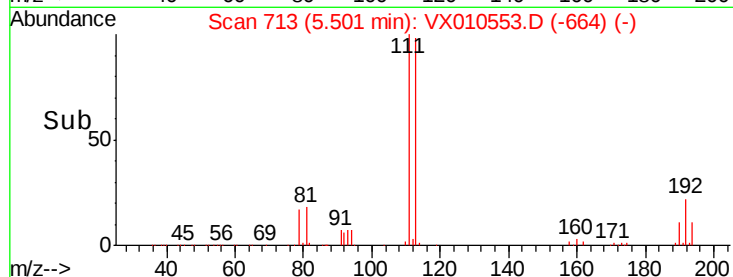
192 22.6 18.6 27.8



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: 4.946 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

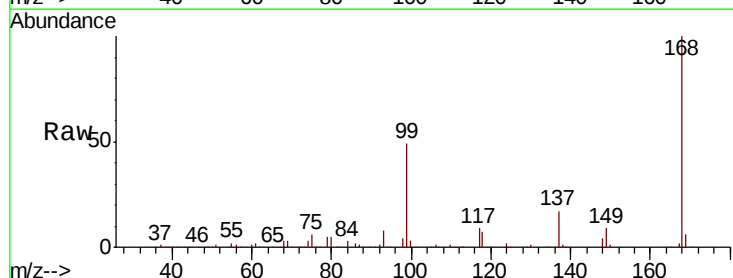
Tgt Ion: 75 Resp: 15616

Ion Ratio Lower Upper

75 100

110 12.2 20.8 62.2#

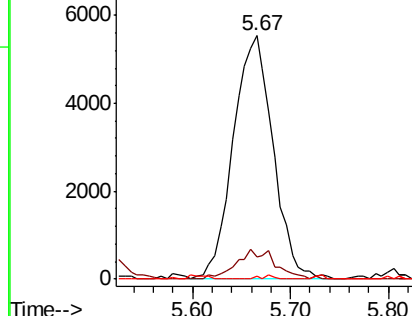
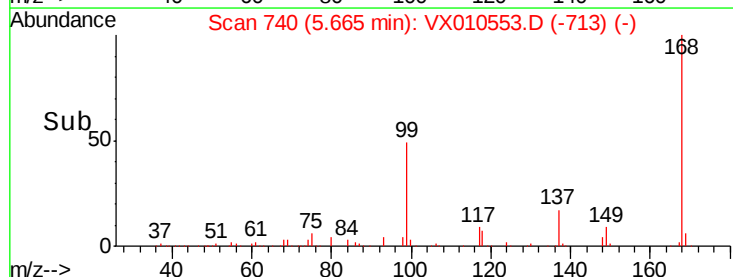
77 0.5 25.4 38.0#

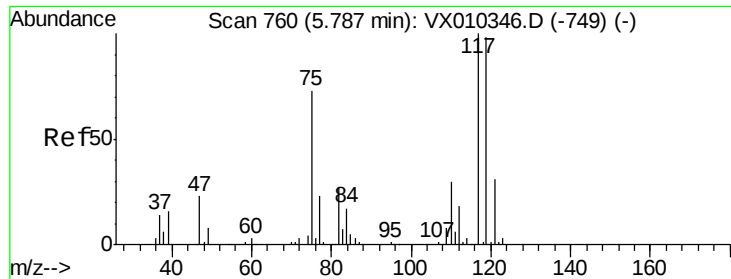


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.645 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampled :

VX0628WBL02

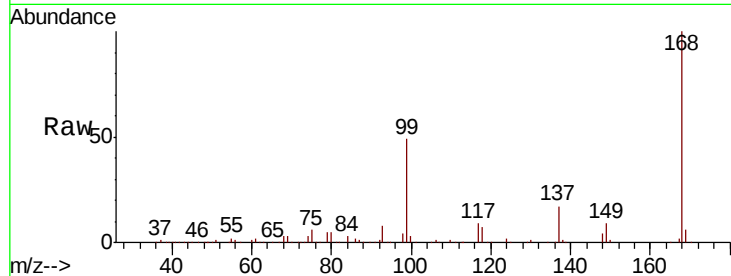
Tot Ion:117 Resp: 22719

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

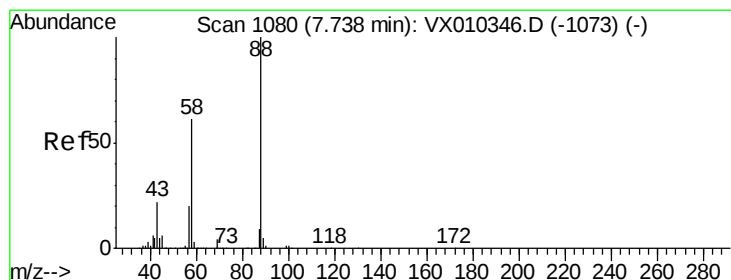
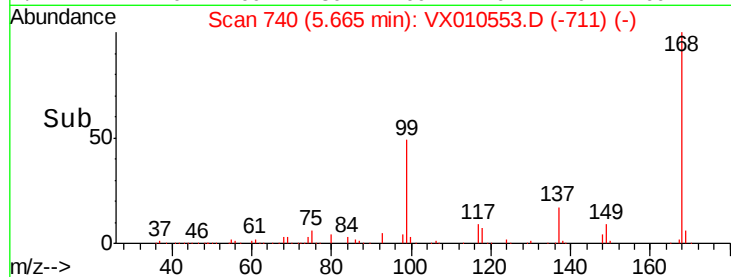
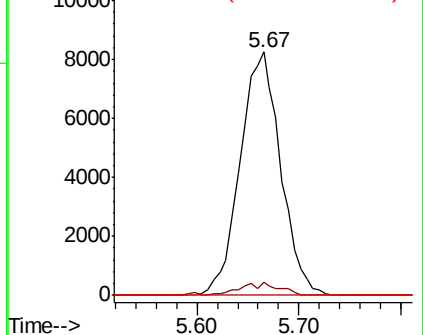
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.306 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.16 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

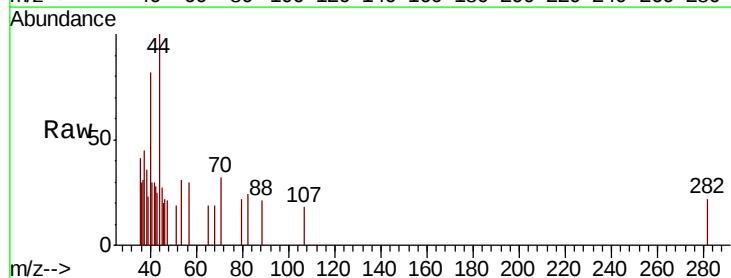
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 386.4 20.2 30.2#

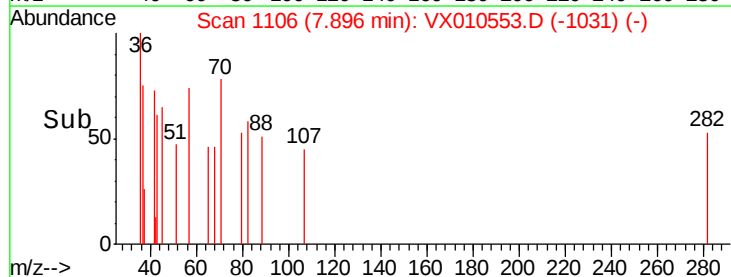
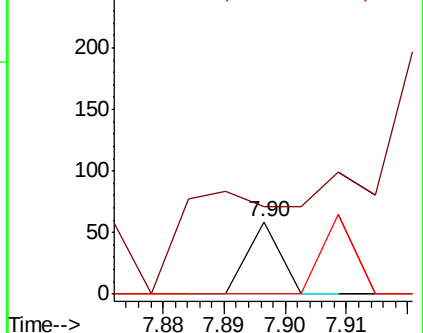
58 0.0 49.5 74.3#

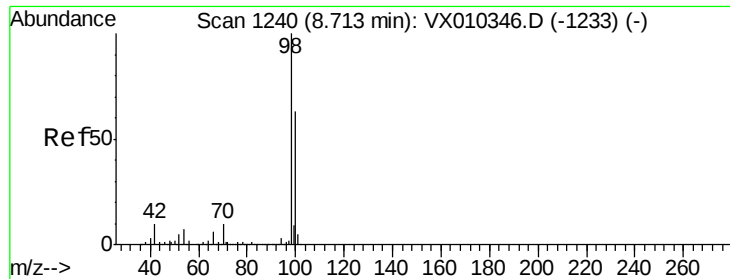


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.235 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

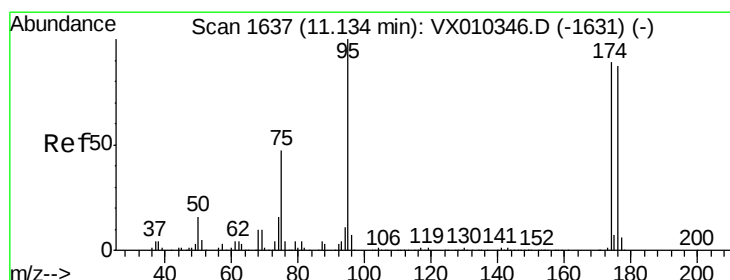
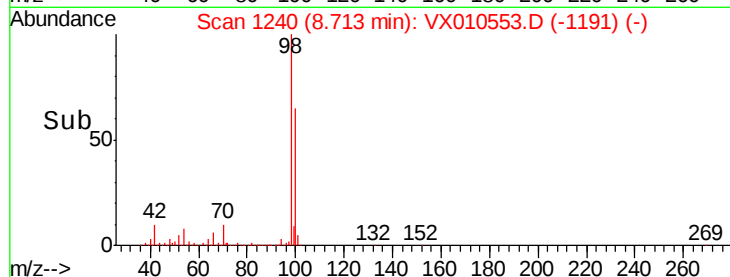
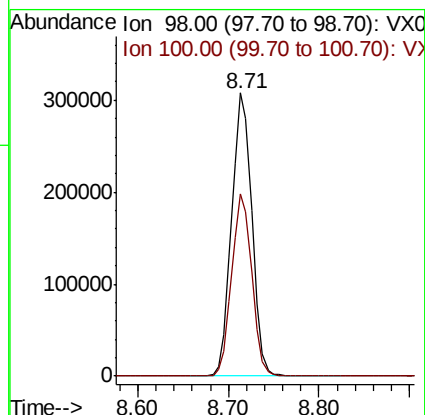
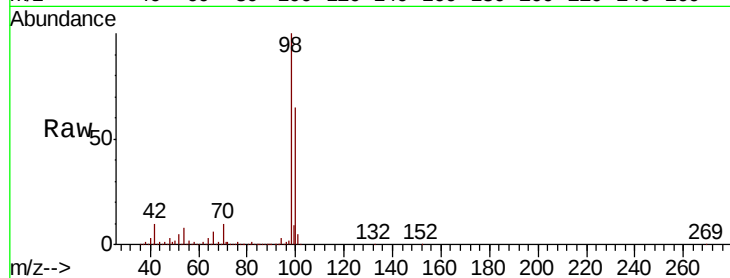
VX0628WBL02

Tot Ion: 98 Resp: 476532

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.798 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

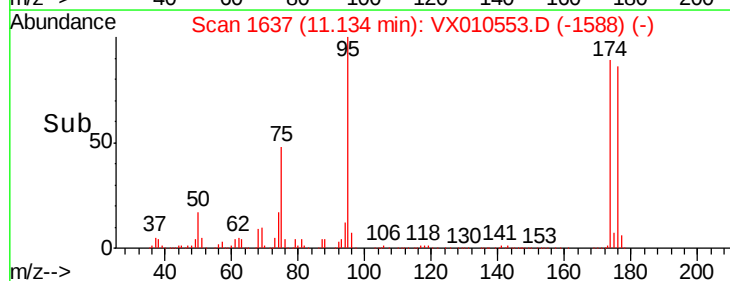
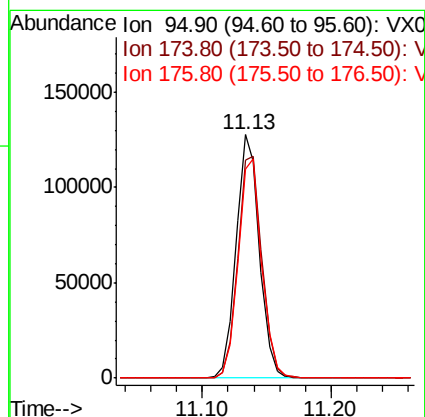
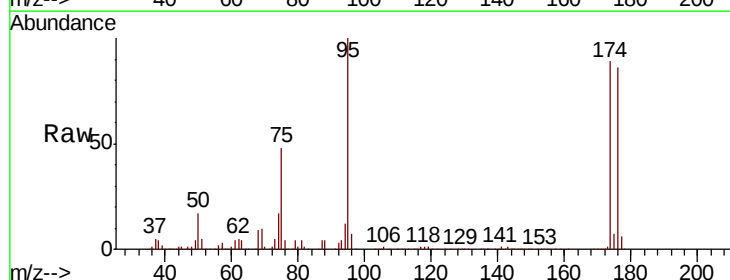
Tgt Ion: 95 Resp: 160499

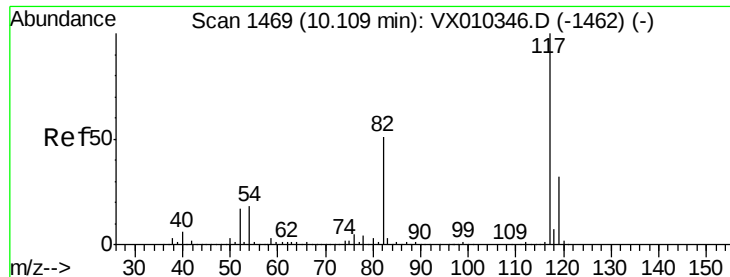
Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.6

176 91.6 0.0 184.0

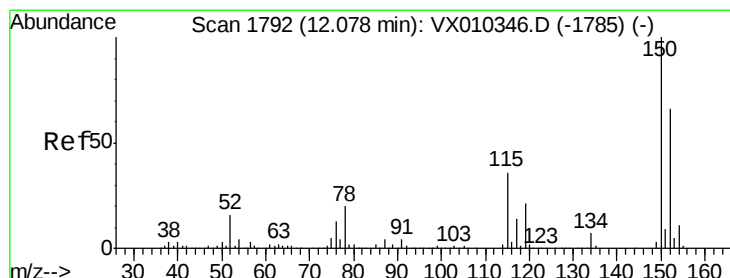
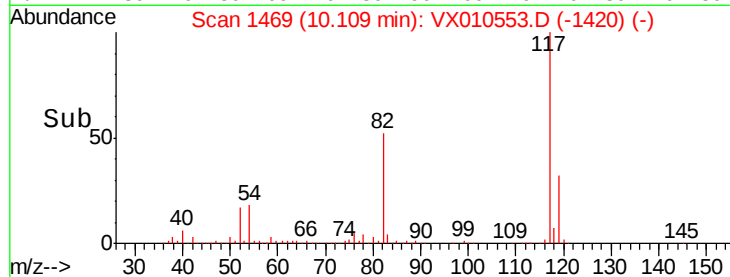
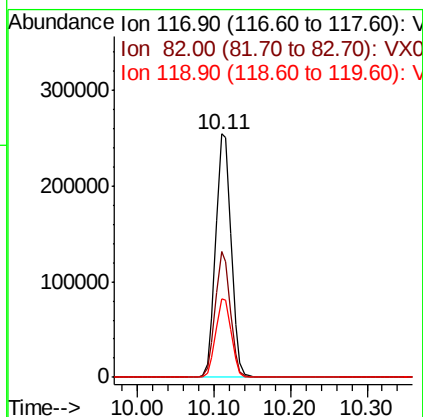
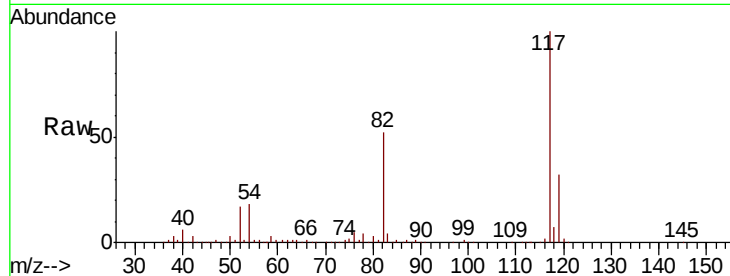




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010553.D
Acq: 28 Jun 2019 23:11

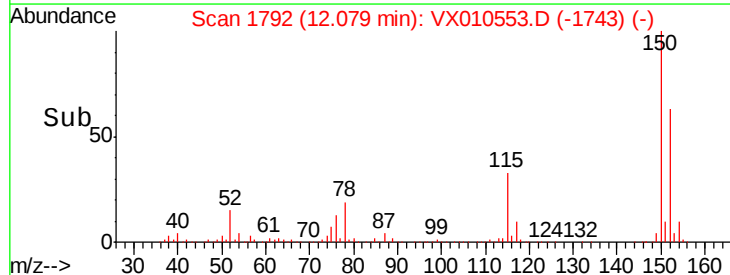
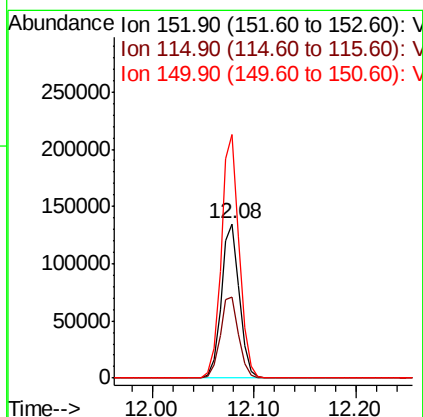
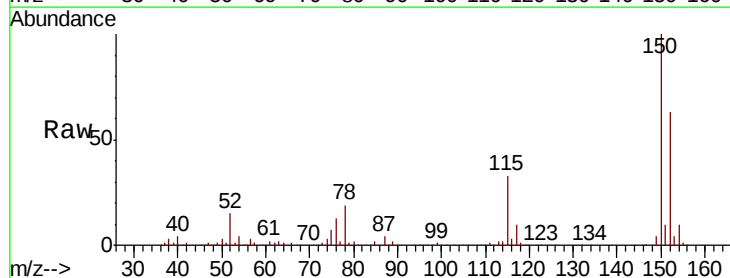
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBL02

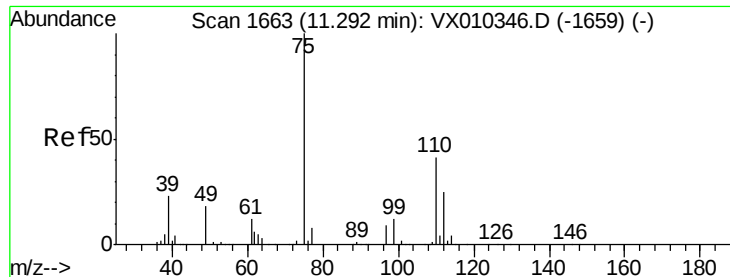
Tot Ion:117 Resp: 358324
Ion Ratio Lower Upper
117 100
82 51.7 41.2 61.8
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010553.D
Acq: 28 Jun 2019 23:11

Tgt Ion:152 Resp: 165081
Ion Ratio Lower Upper
152 100
115 54.3 38.6 115.7
150 157.5 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.483 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

Instrument :

MSVOA_X

ClientSampleId :

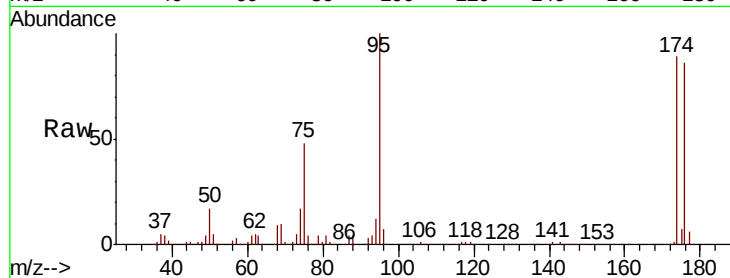
VX0628WBL02

Tot Ion: 75 Resp: 76657

Ion Ratio Lower Upper

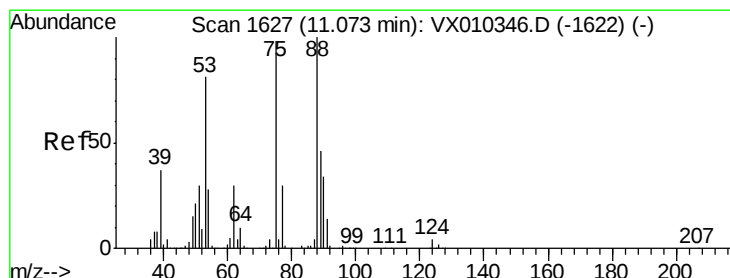
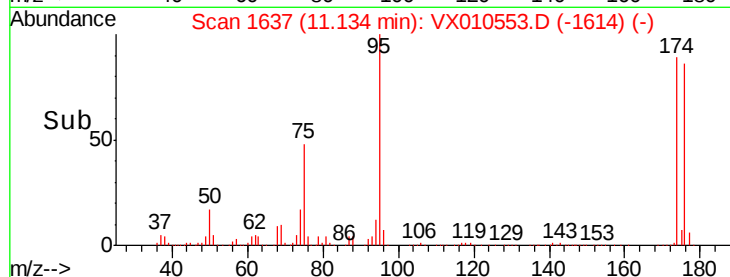
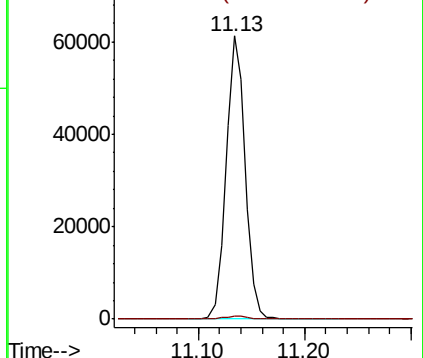
75 100

77 1.1 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: 59.448 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010553.D

Acq: 28 Jun 2019 23:11

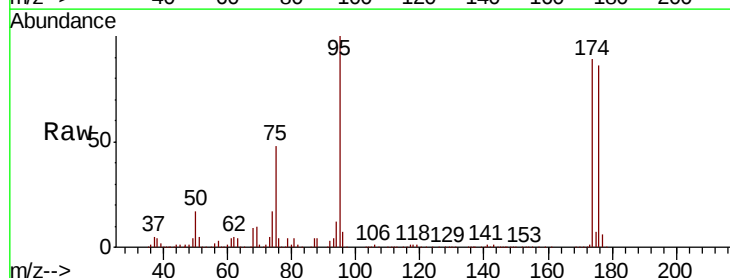
Tgt Ion: 75 Resp: 76657

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 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

