

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009952.D
 Acq On : 30 May 2019 11:46
 Operator : JC/SP
 Sample : VX0530WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

Quant Time: May 31 05:31:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	163621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	261748	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95614	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	111401	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	5.50	113	81937	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	8.71	98	328270	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	105625	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	

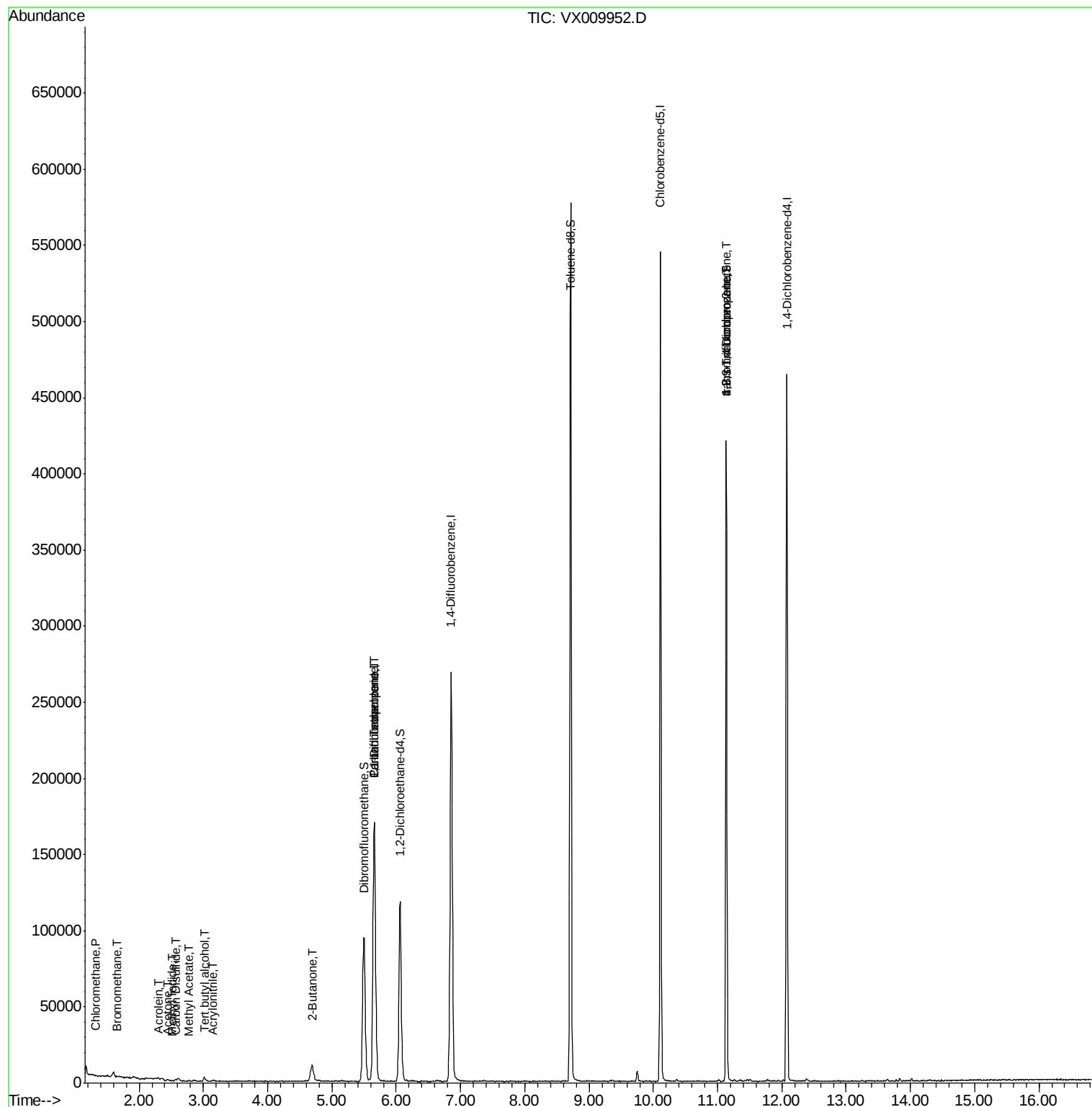
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	628	0.234	ug/l #	82
5) Bromomethane	1.65	94	479	0.326	ug/l	96
10) Methyl Iodide	2.52	142	188	4.742	ug/l #	42
11) Tert butyl alcohol	3.01	59	1443	2.537	ug/l #	81
13) Acrolein	2.29	56	244	21.651	ug/l #	14
15) Acrylonitrile	3.15	53	343	0.250	ug/l #	85
16) Acetone	2.44	43	1536	1.150	ug/l	94
17) Carbon Disulfide	2.57	76	1192	0.620	ug/l #	94
18) Methyl Acetate	2.78	43	887	0.285	ug/l #	62
25) 2-Butanone	4.69	43	887	0.426	ug/l #	54
36) 1,1-Dichloropropene	5.65	75	13502	5.084	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15719	6.849	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	54812	23.973	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	54812	59.313	ug/l #	10

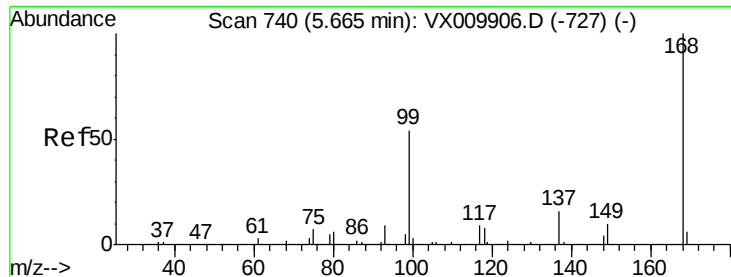
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 31 05:31:57 2019
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Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 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: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

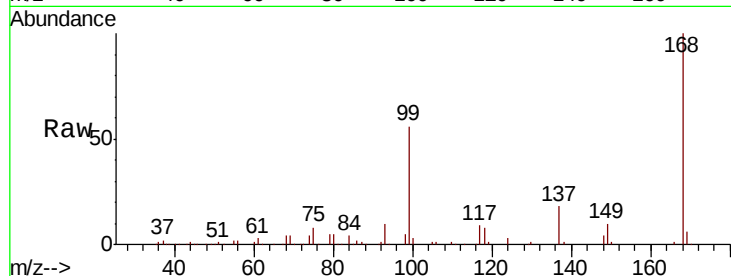
VX0530WBL01

Tot Ion:168 Resp: 163621

Ion Ratio Lower Upper

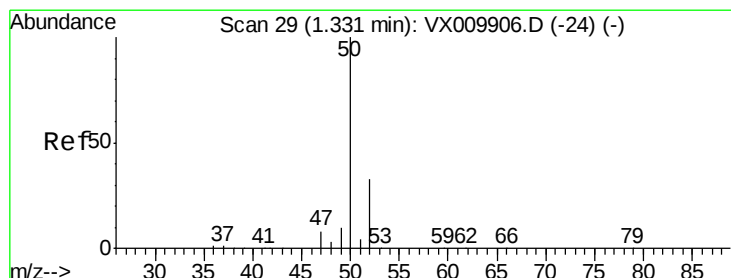
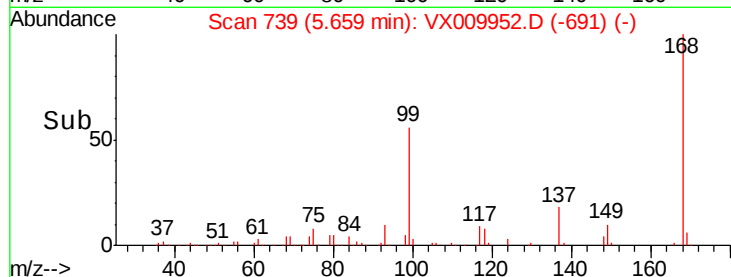
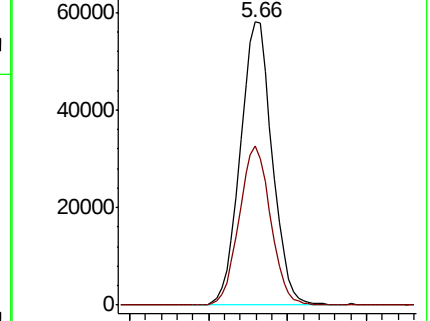
168 100

99 56.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.234 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX009952.D

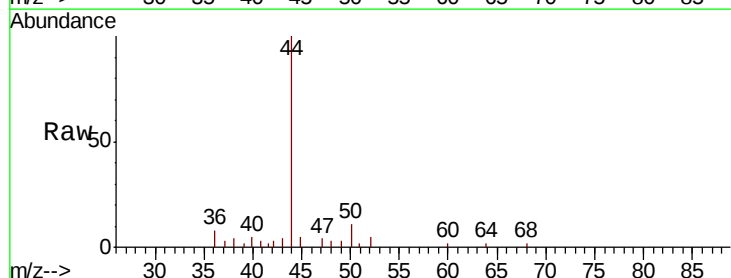
Acq: 30 May 2019 11:46

Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

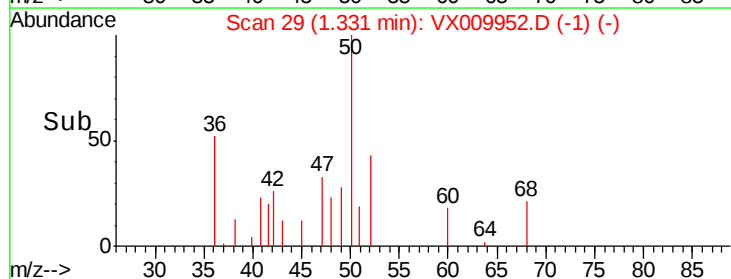
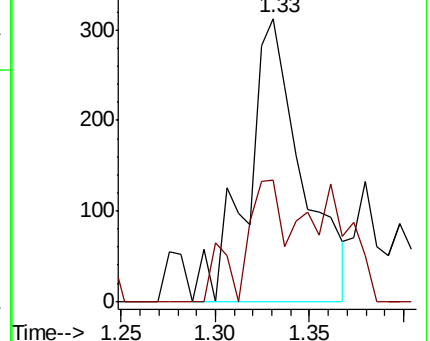
50 100

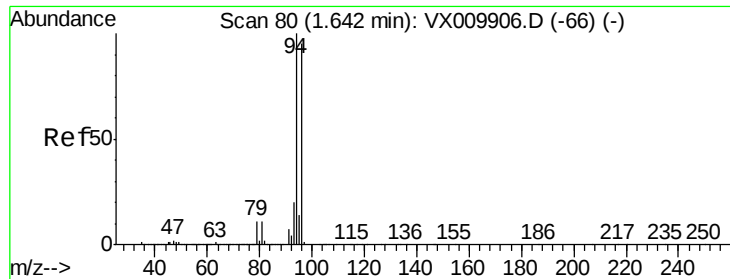
52 42.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.326 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

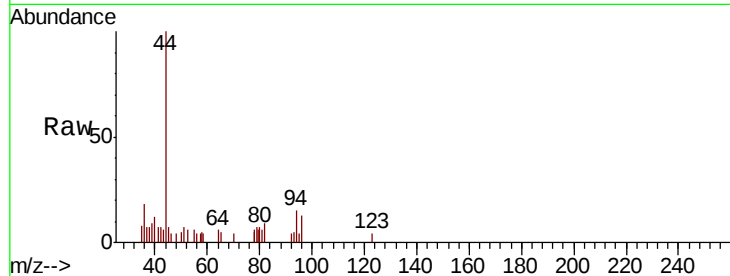
VX0530WBL01

Tot Ion: 94 Resp: 479

Ion Ratio Lower Upper

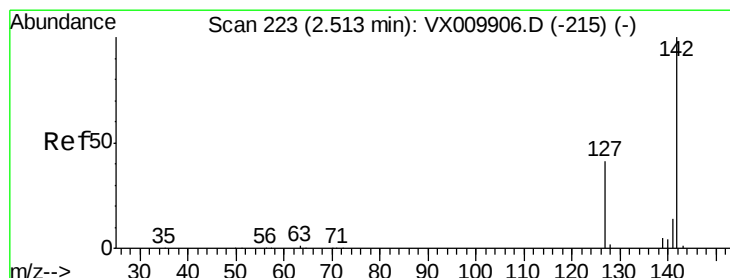
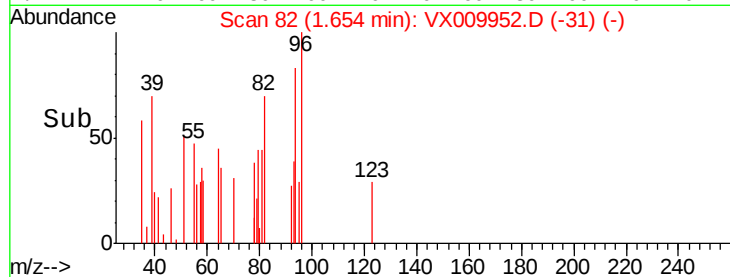
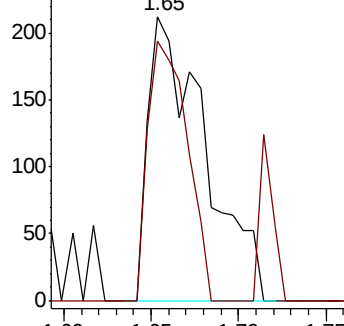
94 100

96 91.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.742 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

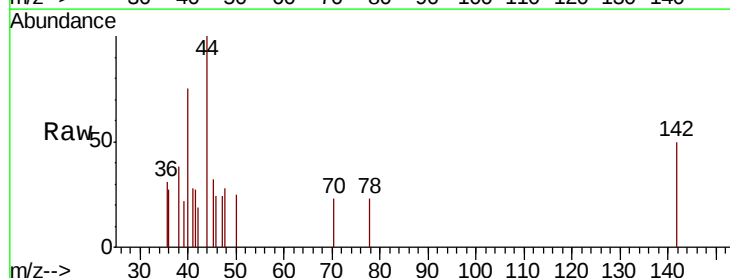
Tgt Ion: 142 Resp: 188

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.4#

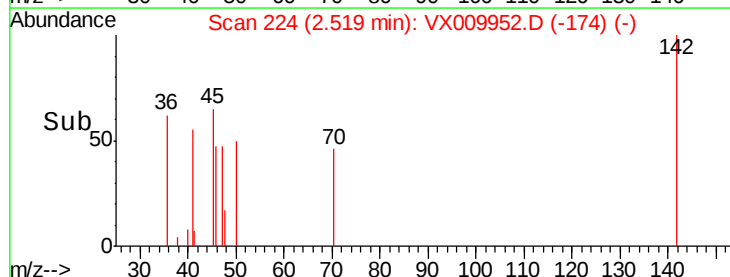
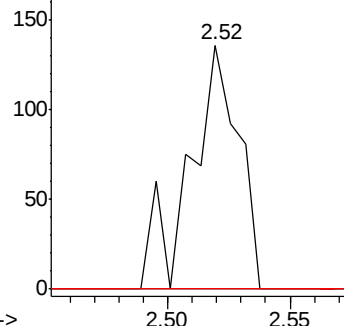
141 0.0 11.4 17.0#

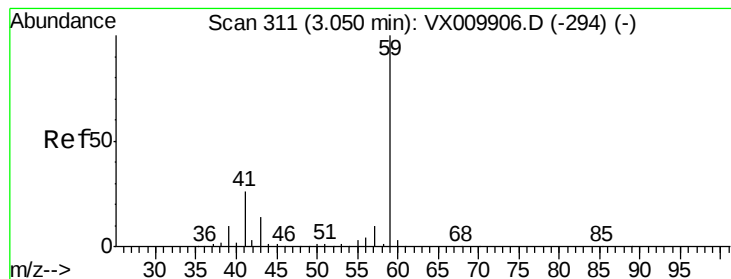


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



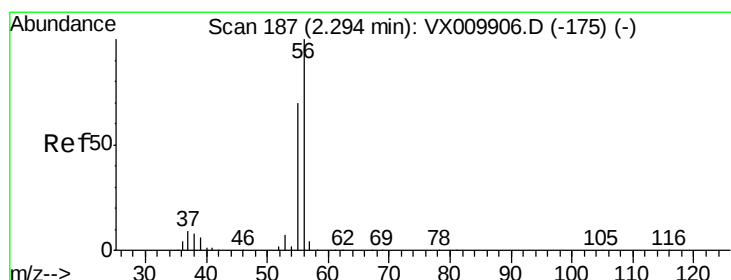
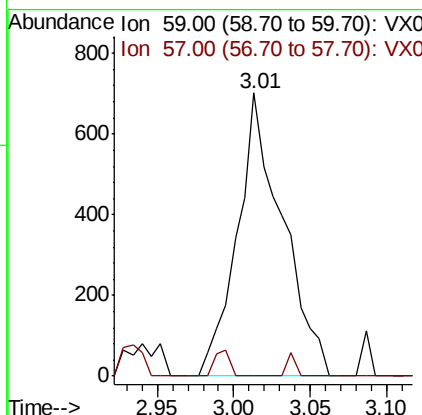
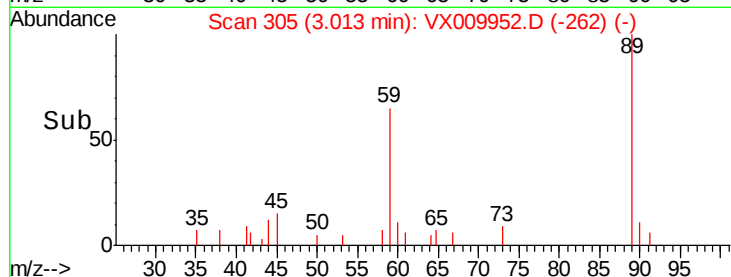
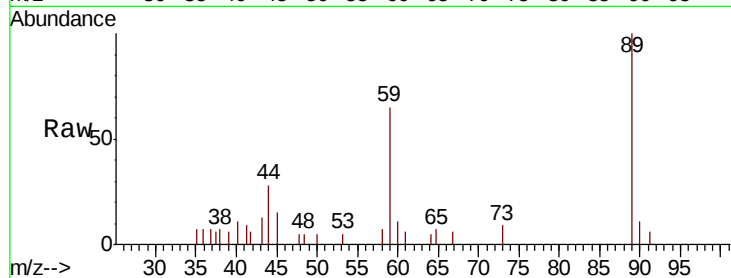


#11

Tert butyl alcohol
 Concen: 2.537 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX009952.D
 Acq: 30 May 2019 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

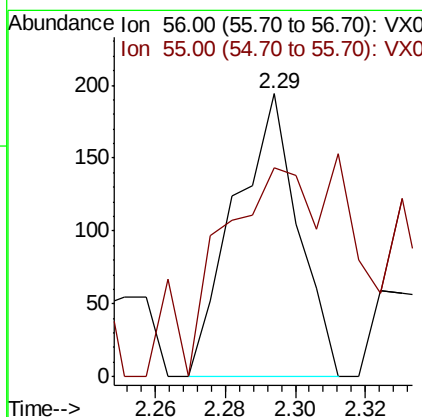
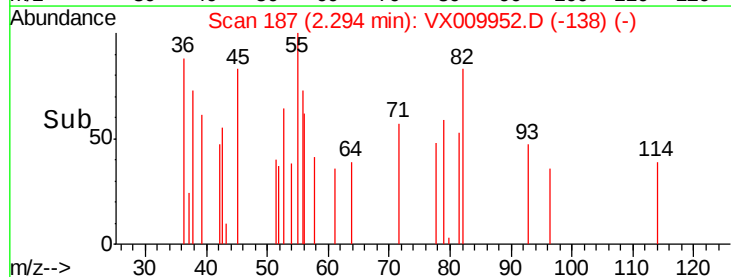
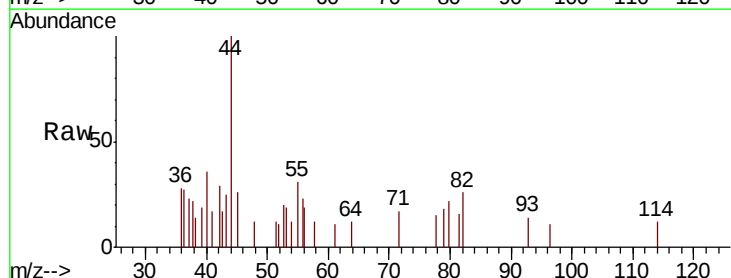
Tot Ion: 59 Resp: 1443
 Ion Ratio Lower Upper
 59 100
 57 3.0 8.2 12.2#

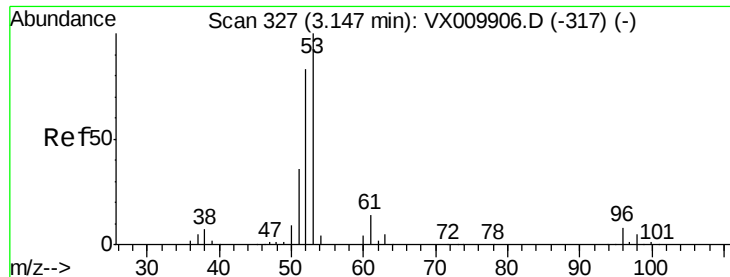


#13

Acrolein
 Concen: 21.651 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009952.D
 Acq: 30 May 2019 11:46

Tgt Ion: 56 Resp: 244
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.250 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampled :

VX0530WBL01

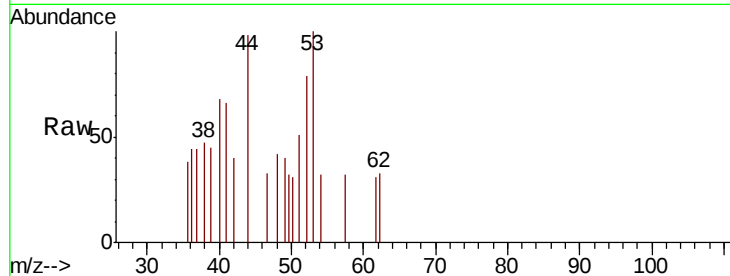
Tot Ion: 53 Resp: 343

Ion Ratio Lower Upper

53 100

52 86.0 66.7 100.1

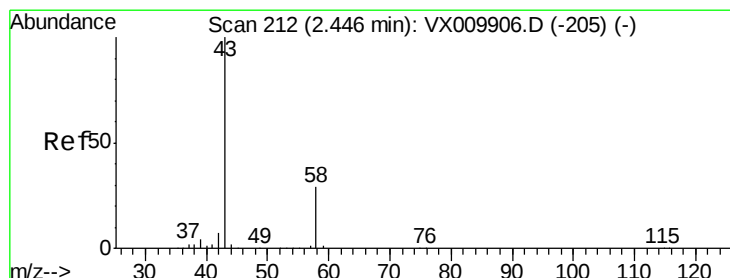
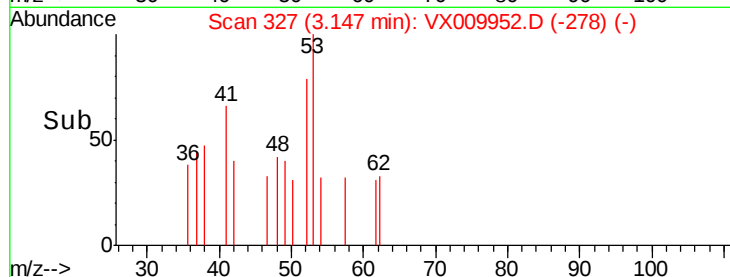
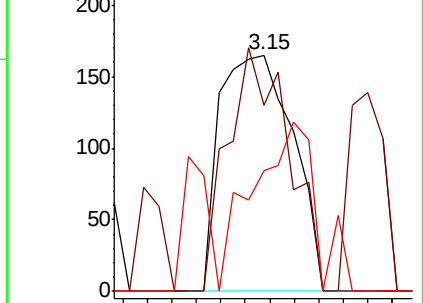
51 62.1 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.150 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009952.D

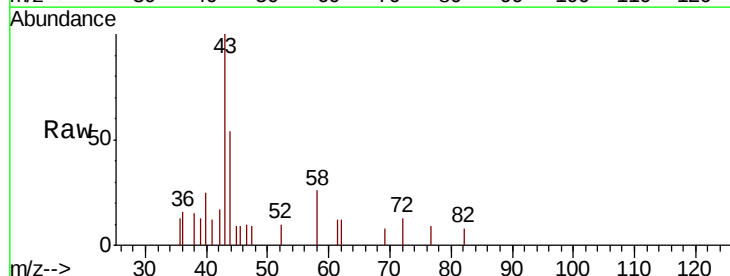
Acq: 30 May 2019 11:46

Tgt Ion: 43 Resp: 1536

Ion Ratio Lower Upper

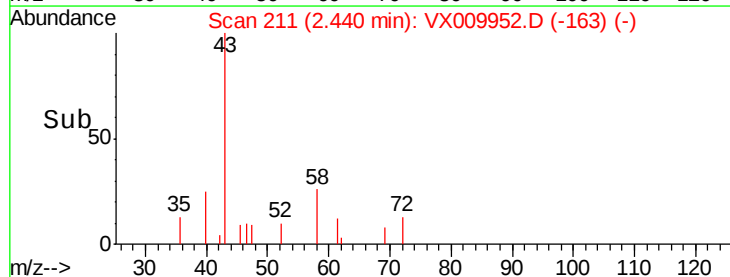
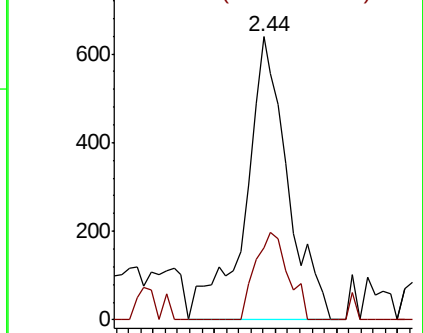
43 100

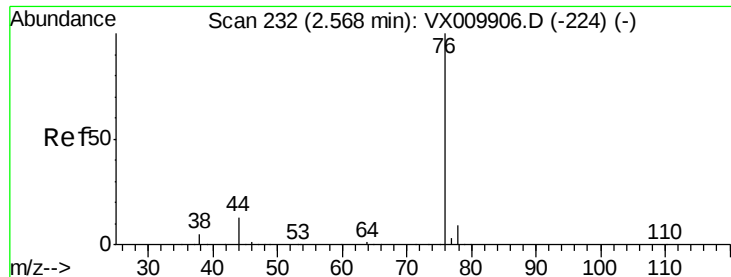
58 25.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.620 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

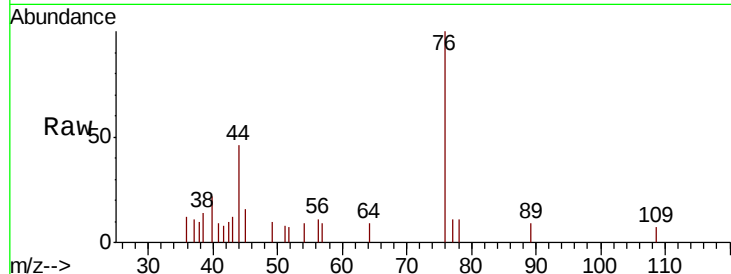
VX0530WBL01

Tot Ion: 76 Resp: 1192

Ion Ratio Lower Upper

76 100

78 10.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

600

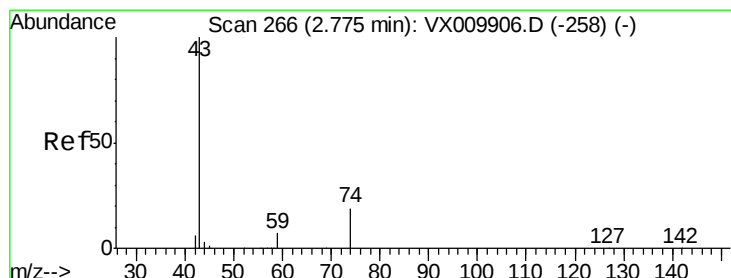
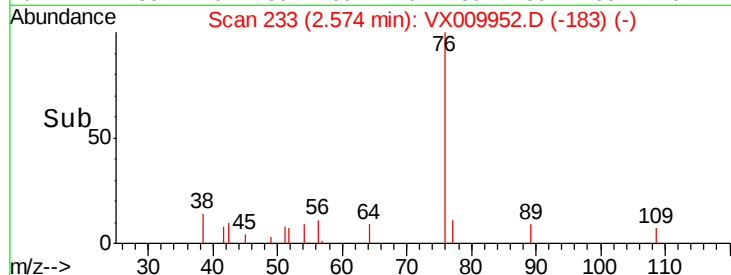
400

200

0

2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 0.285 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009952.D

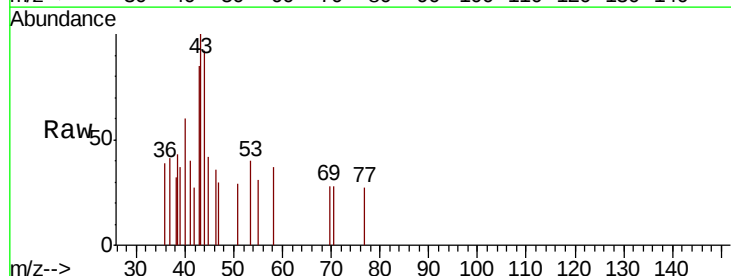
Acq: 30 May 2019 11:46

Tgt Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

74 2.1 15.8 23.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

400

300

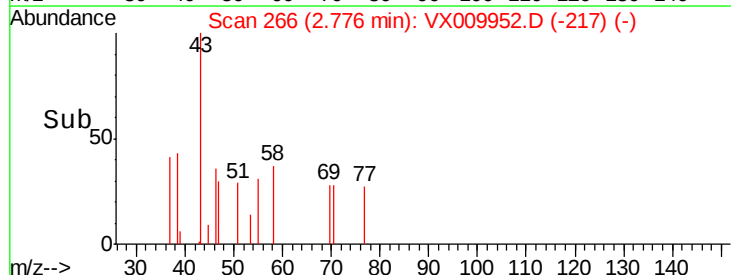
200

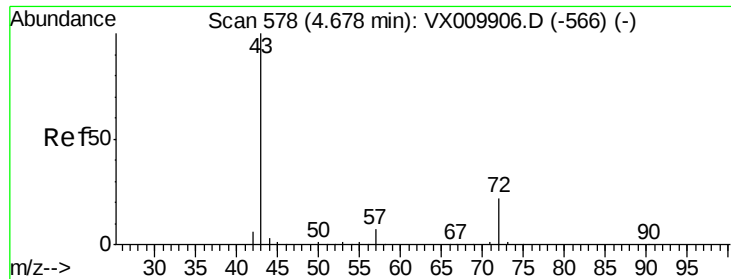
100

0

2.70 2.75 2.80 2.85

Time-->





#25

2-Butanone

Concen: 0.426 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

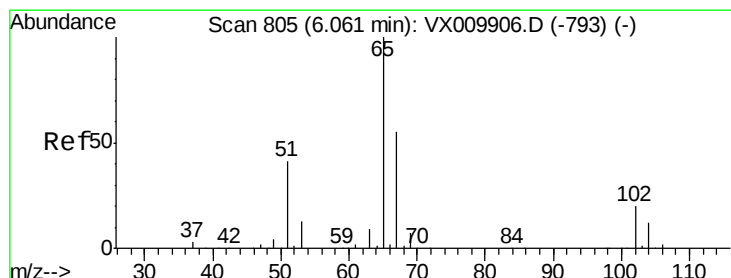
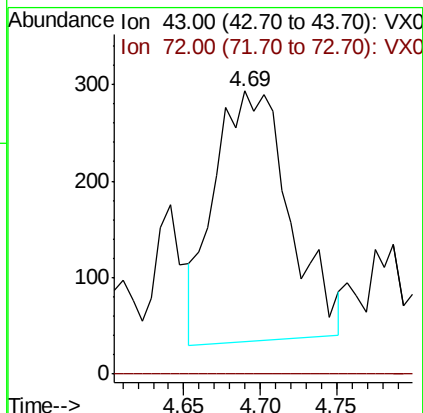
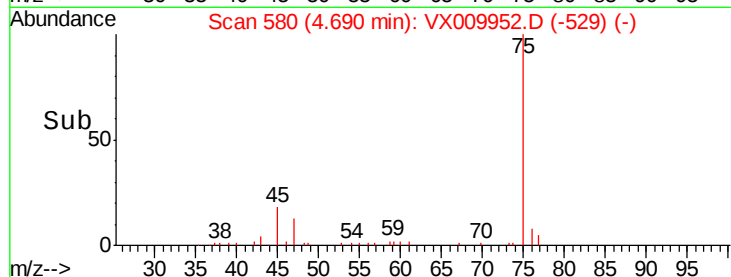
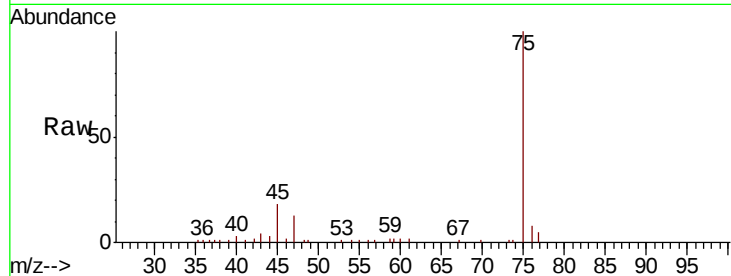
VX0530WBL01

Tot Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

72 0.0 17.5 26.3#



#33

1,2-Dichloroethane-d4

Concen: 48.199 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009952.D

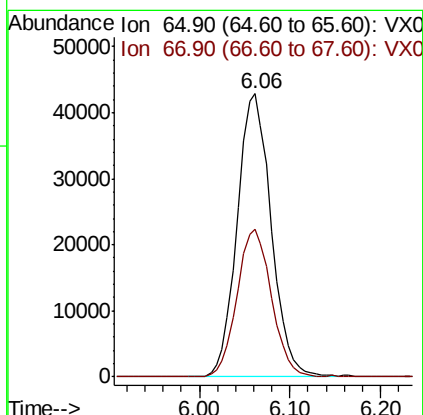
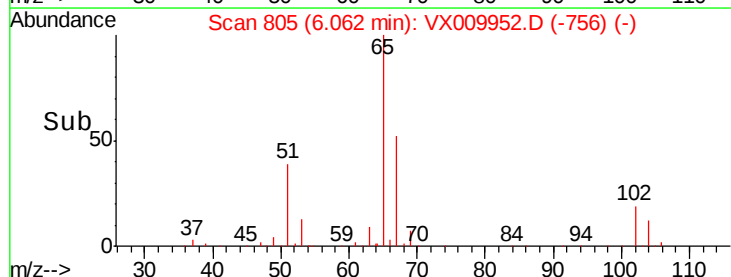
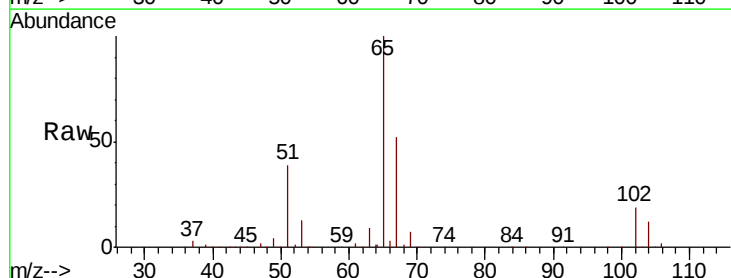
Acq: 30 May 2019 11:46

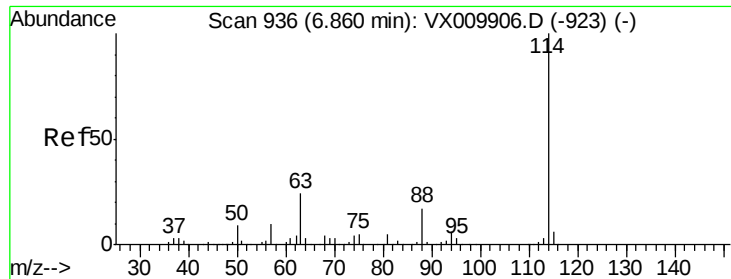
Tgt Ion: 65 Resp: 111401

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL01

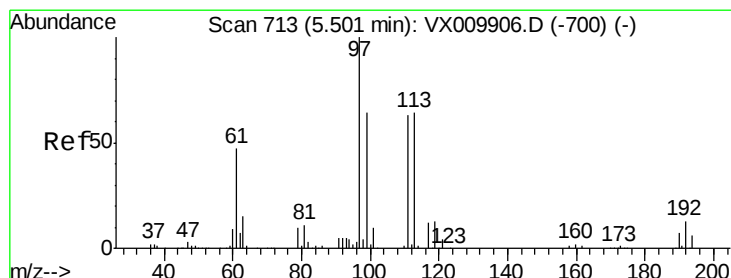
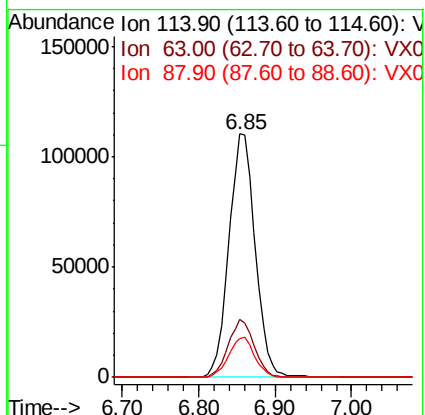
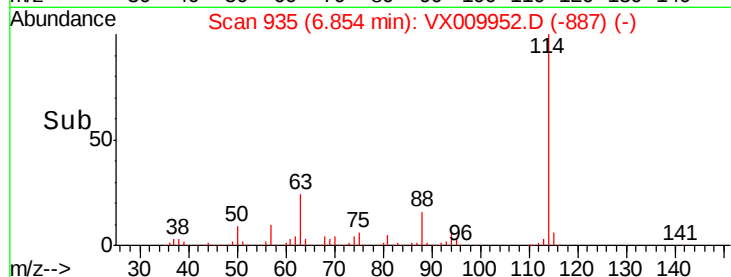
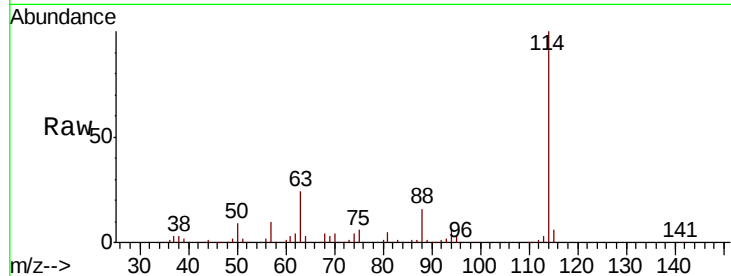
Tot Ion:114 Resp: 261748

Ion Ratio Lower Upper

114 100

63 23.6 0.0 47.4

88 16.1 0.0 33.0



#35

Dibromofluoromethane

Concen: 49.791 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

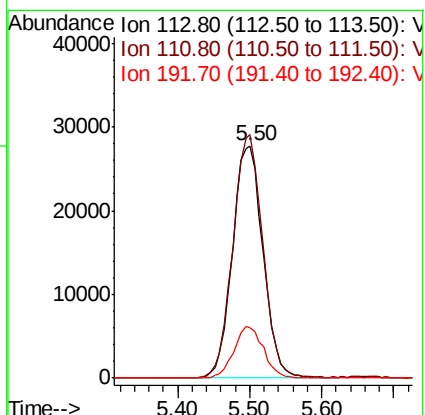
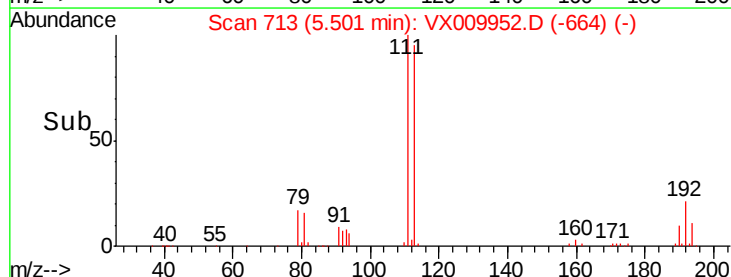
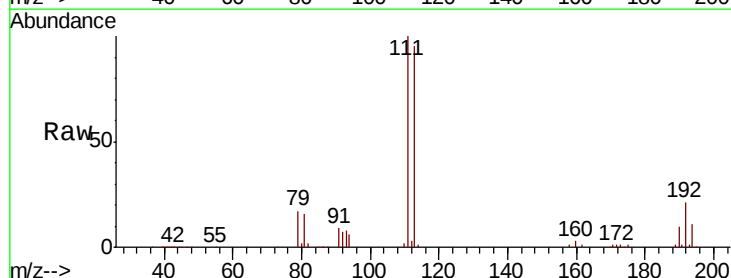
Tgt Ion:113 Resp: 81937

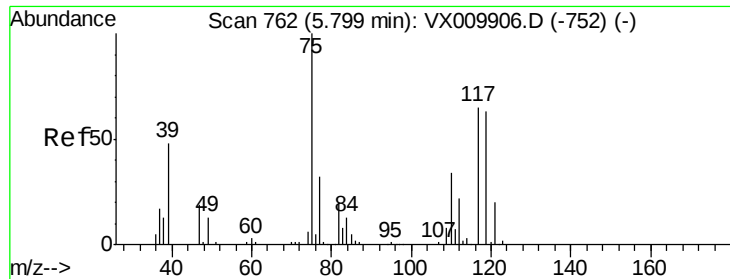
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 21.3 17.1 25.7





#36

1,1-Dichloropropene

Concen: 5.084 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0530WBL01

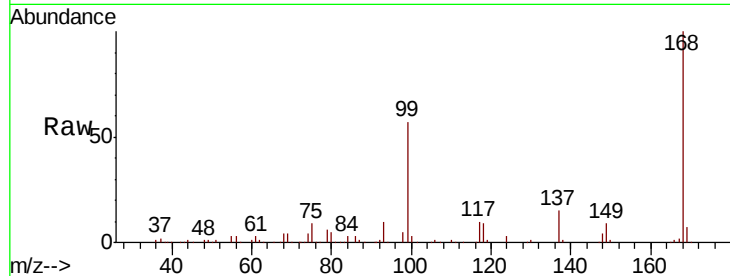
Tot Ion: 75 Resp: 13502

Ion Ratio Lower Upper

75 100

110 9.1 16.7 50.1#

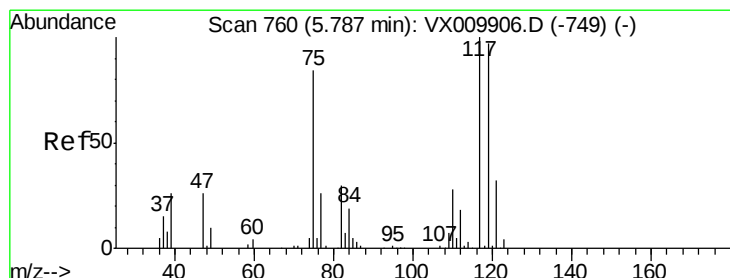
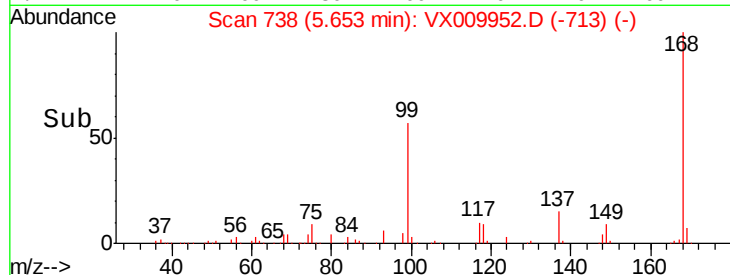
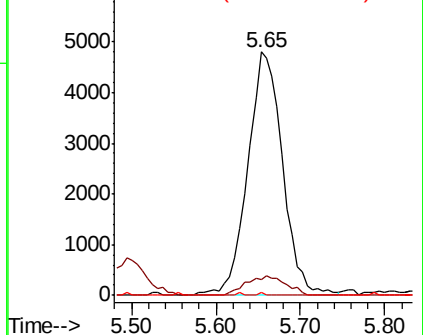
77 0.2 25.0 37.4#



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: 6.849 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

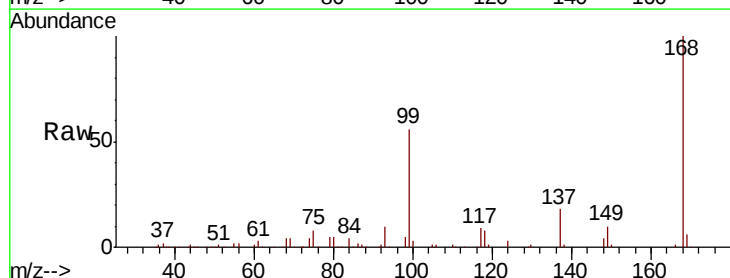
Tgt Ion:117 Resp: 15719

Ion Ratio Lower Upper

117 100

119 6.5 77.3 115.9#

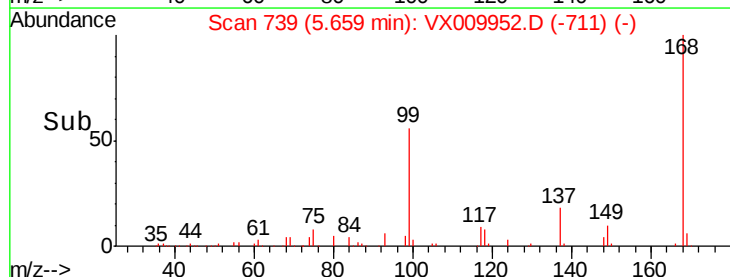
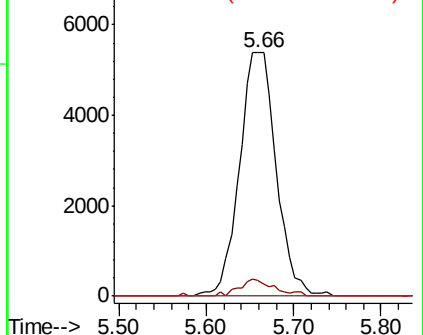
121 0.0 25.4 38.0#

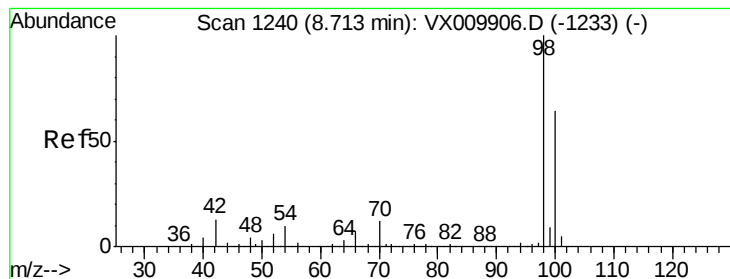


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.124 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

Instrument :

MSVOA_X

ClientSampleId :

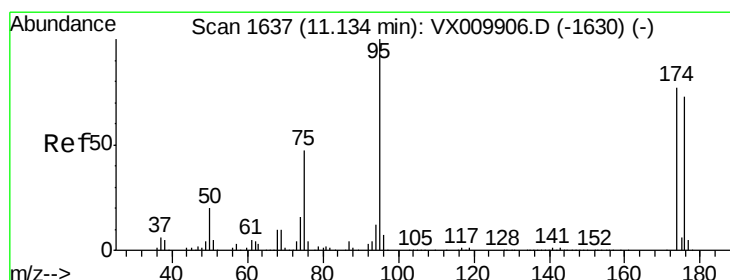
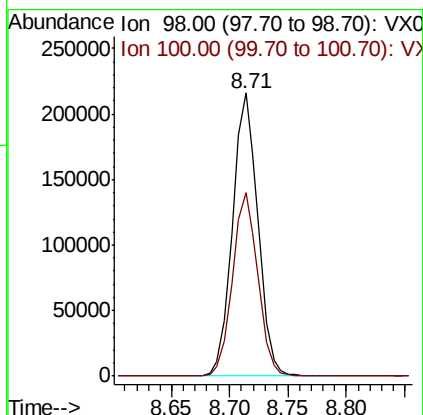
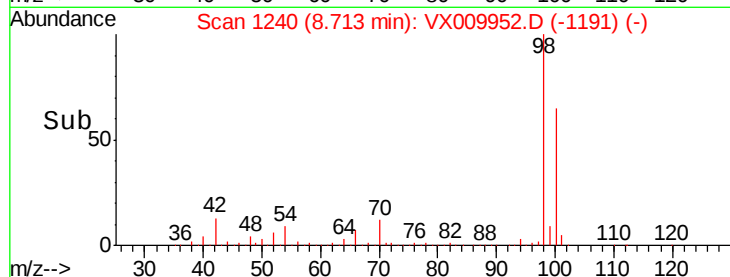
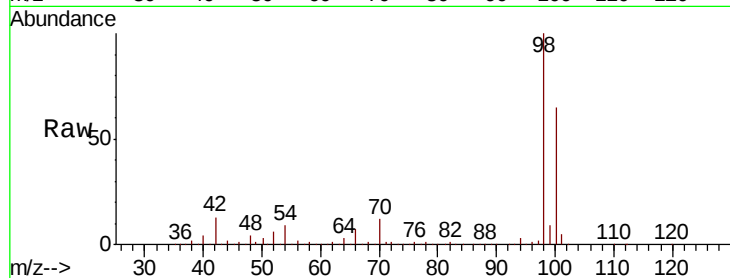
VX0530WBL01

Tot Ion: 98 Resp: 328270

Ion Ratio Lower Upper

98 100

100 64.5 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 44.006 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009952.D

Acq: 30 May 2019 11:46

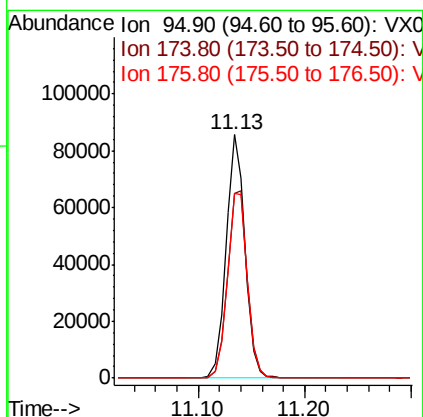
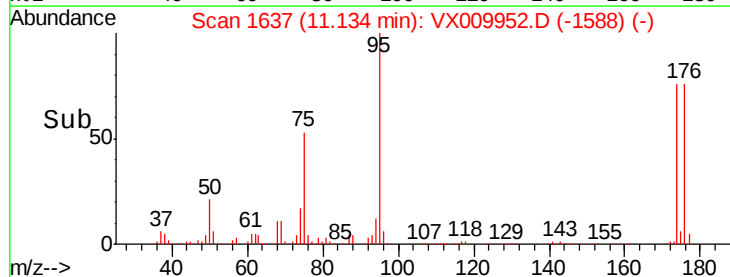
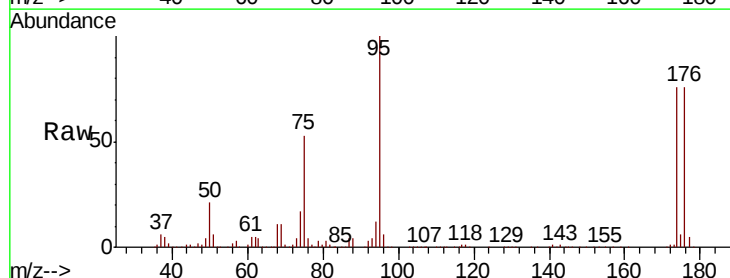
Tgt Ion: 95 Resp: 105625

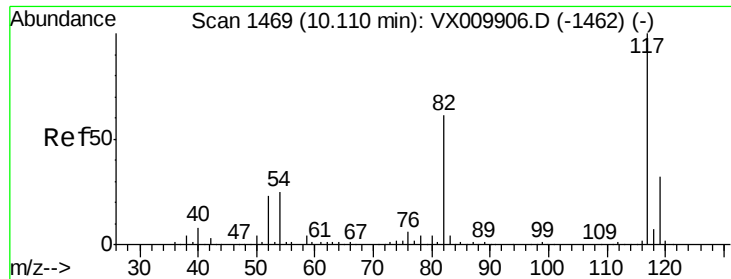
Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.4

176 80.6 0.0 154.6

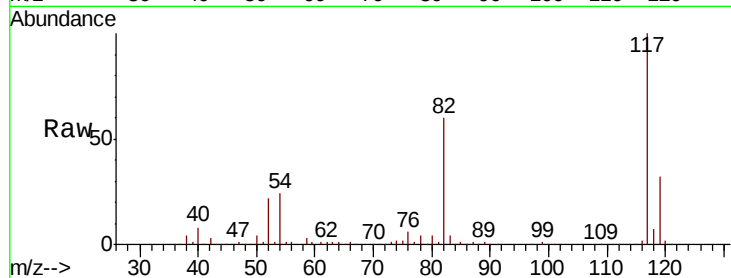




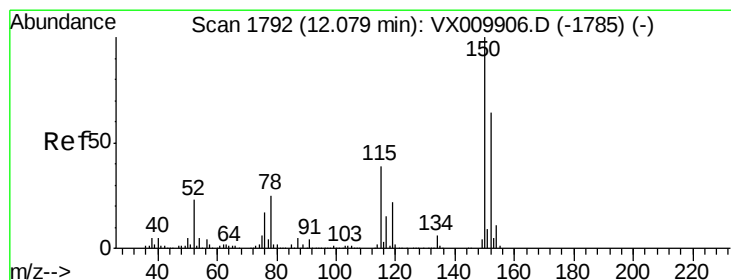
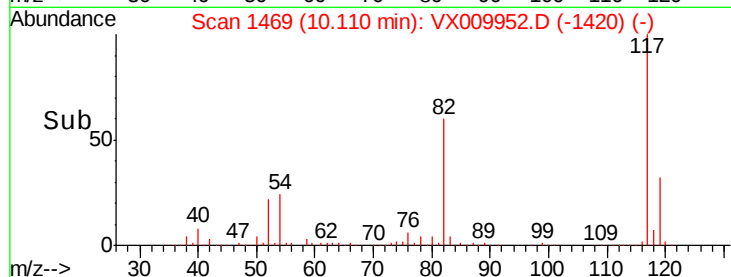
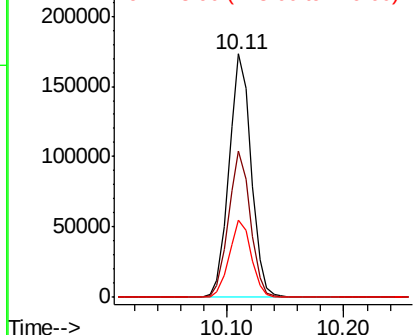
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009952.D
Acq: 30 May 2019 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0530WBL01

Tot Ion:117 Resp: 229198
Ion Ratio Lower Upper
117 100
82 60.1 49.2 73.8
119 31.9 25.2 37.8

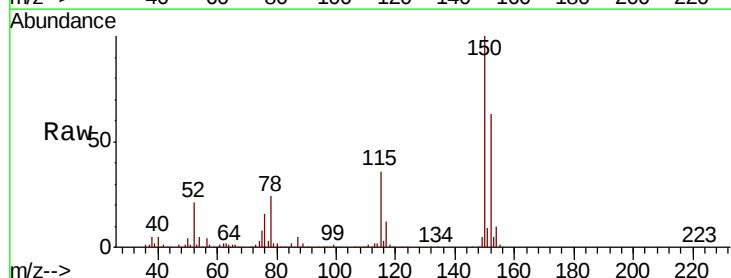


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

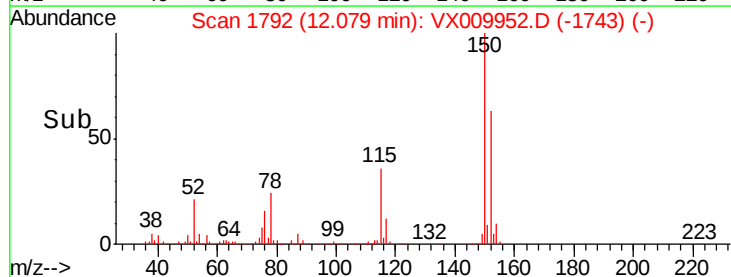
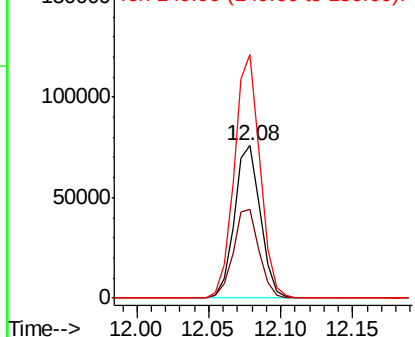


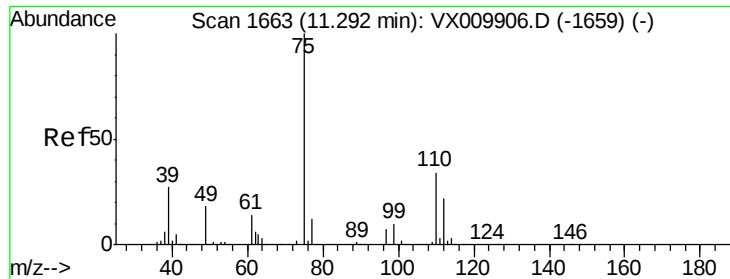
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009952.D
Acq: 30 May 2019 11:46

Tgt Ion:152 Resp: 95614
Ion Ratio Lower Upper
152 100
115 58.3 41.4 124.2
150 158.4 0.0 345.2



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

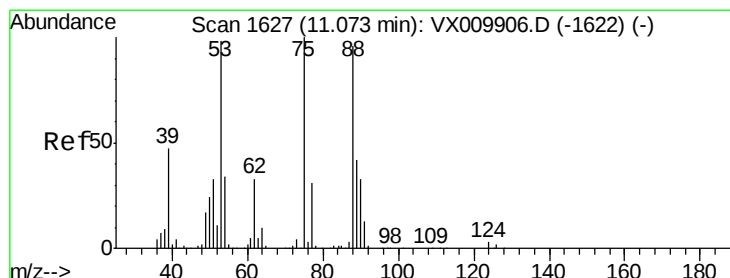
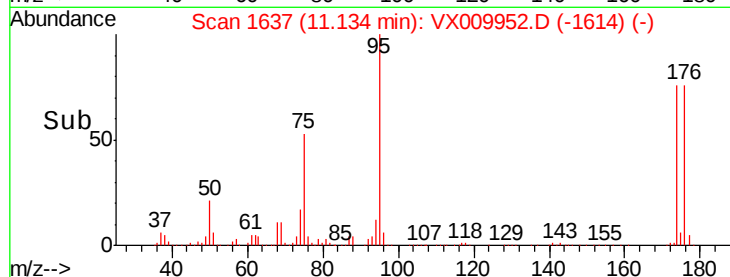
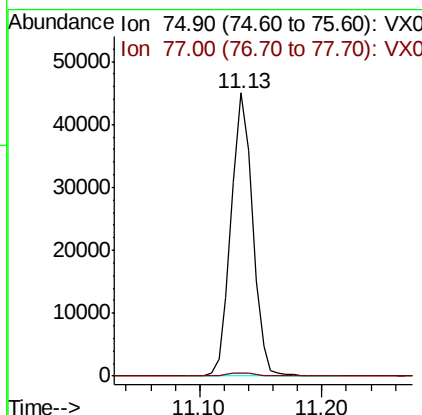
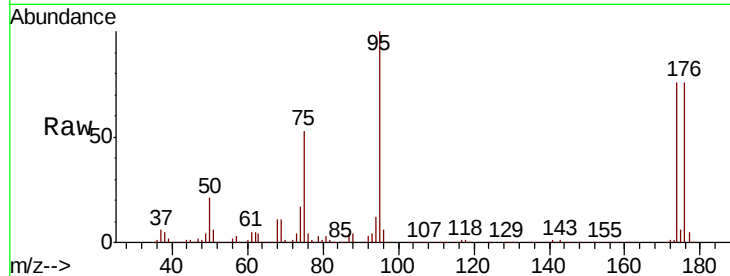




#76
 1,2,3-Trichloropropane
 Concen: 23.973 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009952.D
 Acq: 30 May 2019 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBL01

Tot Ion: 75 Resp: 54812
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.313 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009952.D
 Acq: 30 May 2019 11:46

Tgt Ion: 75 Resp: 54812
 Ion Ratio Lower Upper
 75 100
 53 0.4 79.8 119.6#
 89 0.0 34.2 51.4#

