

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052819\
 Data File : VX009912.D
 Acq On : 28 May 2019 14:02
 Operator : JC/SP
 Sample : VX0528WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

Quant Time: May 29 04:10:06 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	182681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114101	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	122637	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
35) Dibromofluoromethane	5.49	113	90551	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
50) Toluene-d8	8.71	98	374562	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	11.13	95	126308	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	

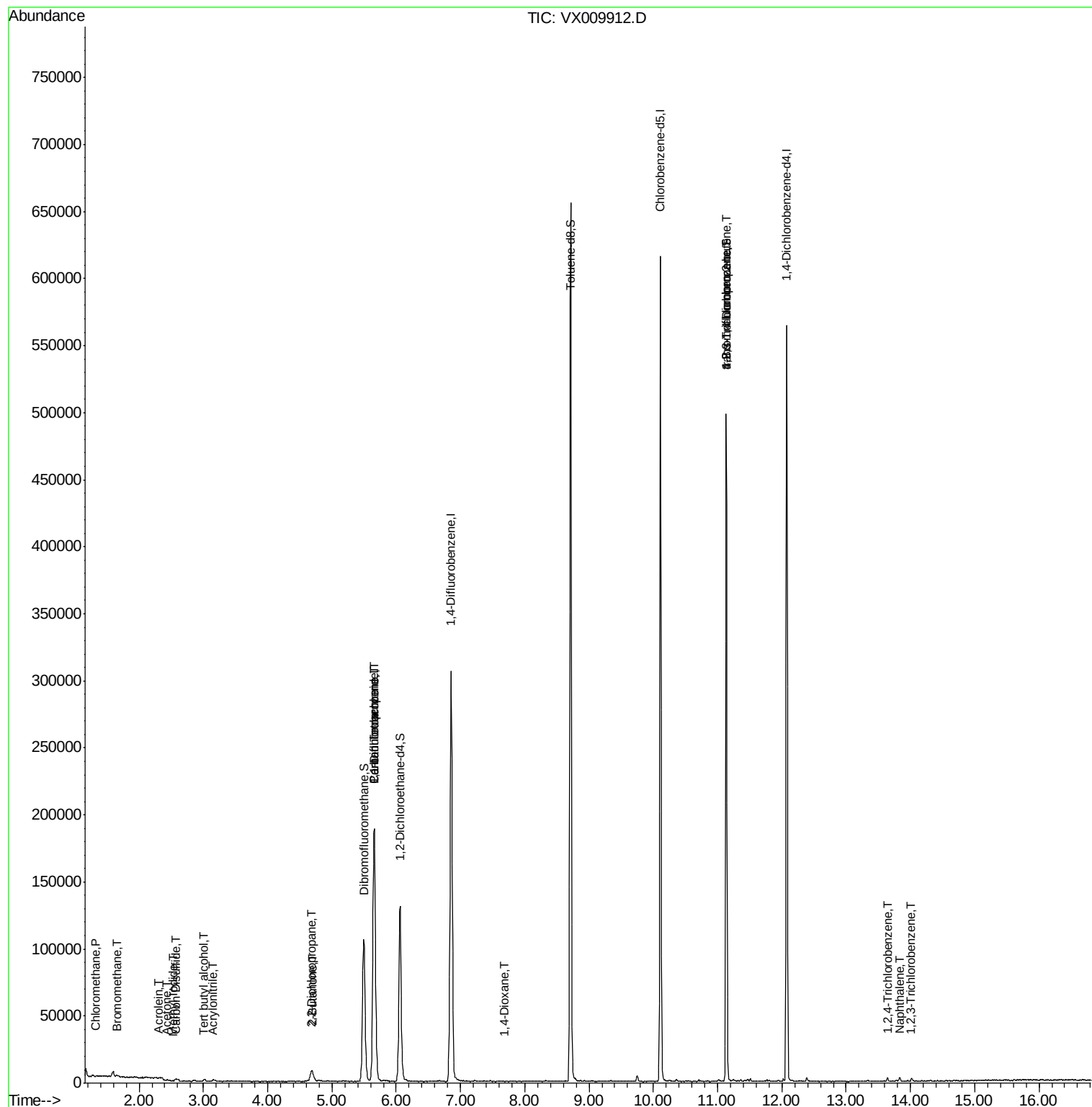
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	767	0.256	ug/l #	65
5) Bromomethane	1.67	94	699	0.426	ug/l	81
10) Methyl Iodide	2.52	142	441	4.836	ug/l #	85
11) Tert butyl alcohol	3.01	59	1396	2.198	ug/l #	77
13) Acrolein	2.30	56	451	22.014	ug/l #	51
15) Acrylonitrile	3.15	53	679	0.444	ug/l #	83
16) Acetone	2.44	43	728	0.488	ug/l #	82
17) Carbon Disulfide	2.57	76	2127	0.761	ug/l #	86
25) 2-Butanone	4.69	43	1165	0.502	ug/l #	54
26) 2,2-Dichloropropane	4.68	77	1055	0.336	ug/l #	53
36) 1,1-Dichloropropene	5.66	75	14895	4.965	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17566	6.775	ug/l #	16
49) 1,4-Dioxane	7.67	88	41	0.660	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	65589	24.038	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65589	59.475	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	609	0.226	ug/l	99
95) Naphthalene	13.83	128	1709	0.204	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.02	180	562	0.209	ug/l	91

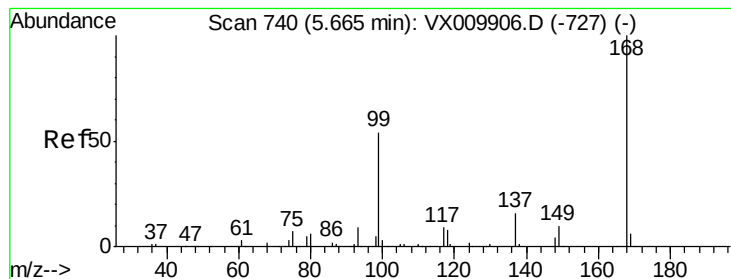
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: May 29 04:10:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
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: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

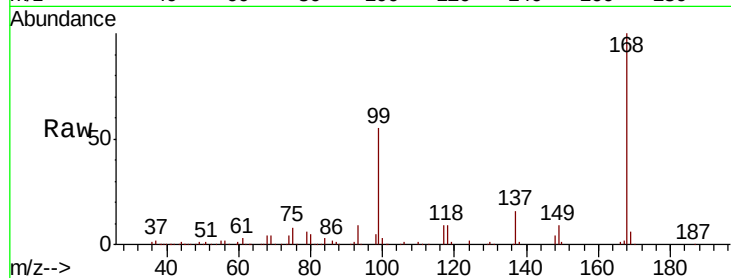
VX0528WBL01

Tot Ion:168 Resp: 182681

Ion Ratio Lower Upper

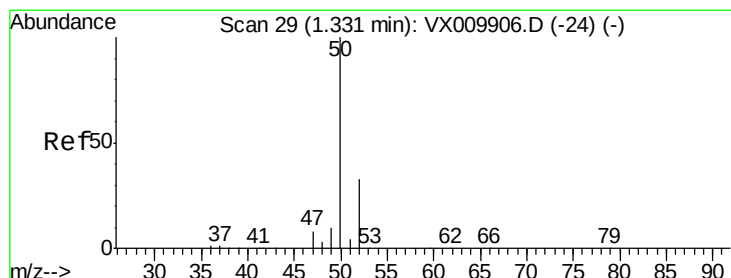
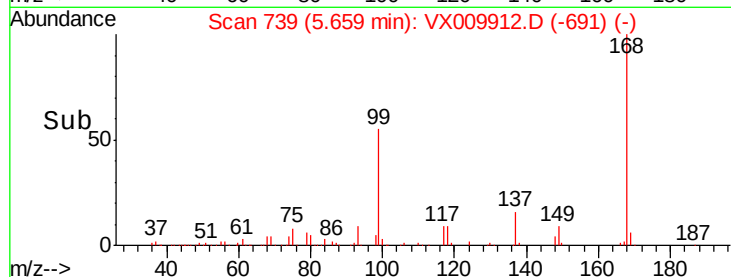
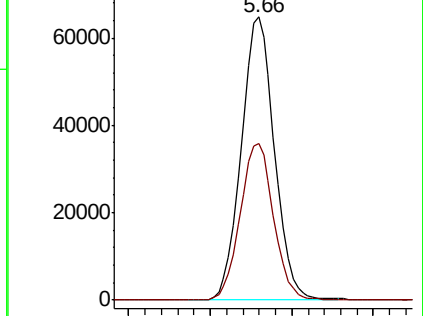
168 100

99 55.3 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: 0.256 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX009912.D

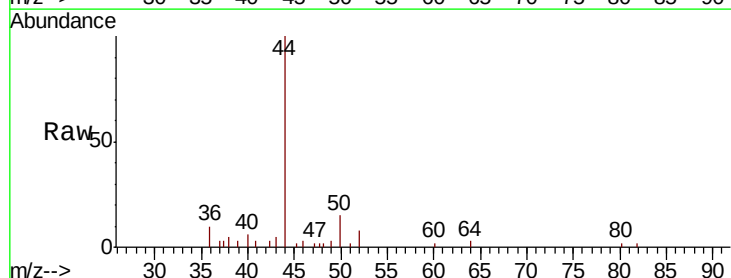
Acq: 28 May 2019 14:02

Tgt Ion: 50 Resp: 767

Ion Ratio Lower Upper

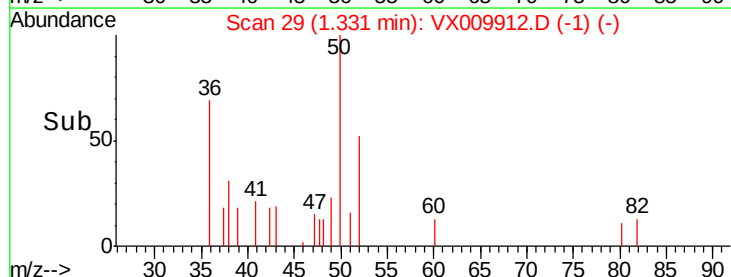
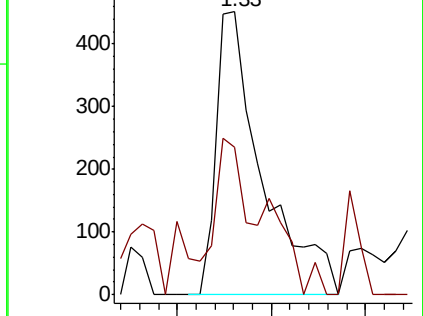
50 100

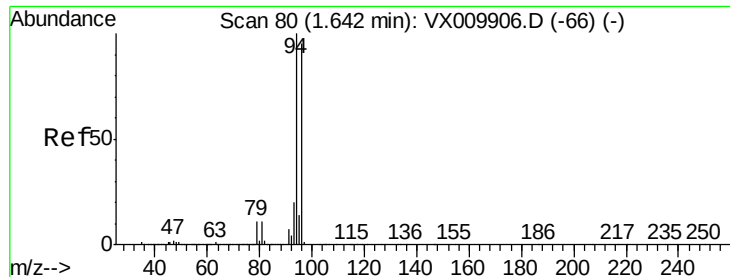
52 52.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.426 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.02 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

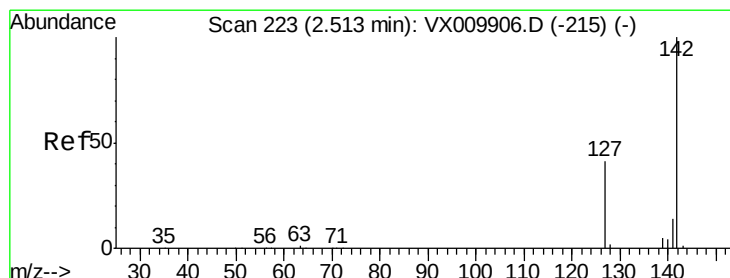
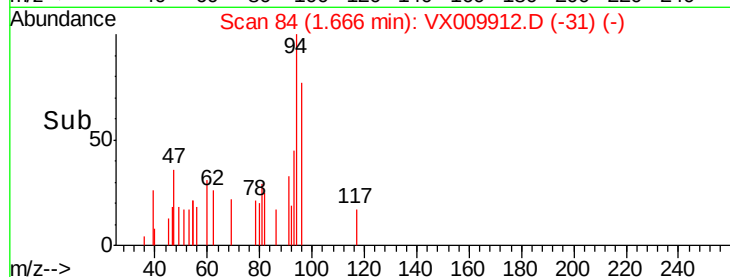
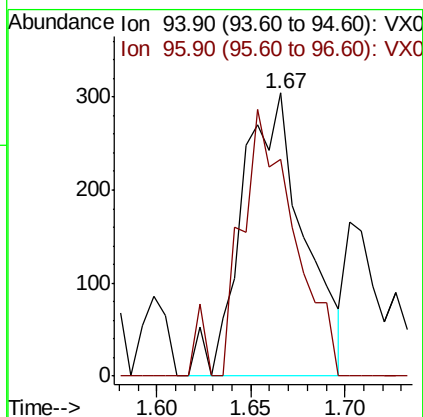
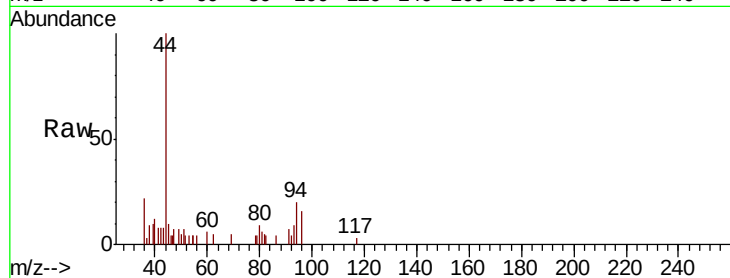
VX0528WBL01

Tot Ion: 94 Resp: 699

Ion Ratio Lower Upper

94 100

96 76.6 76.2 114.4



#10

Methyl Iodide

Concen: 4.836 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

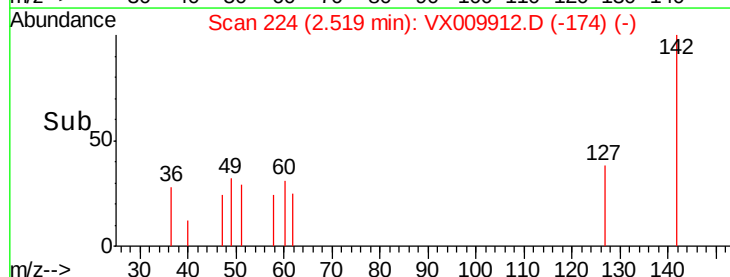
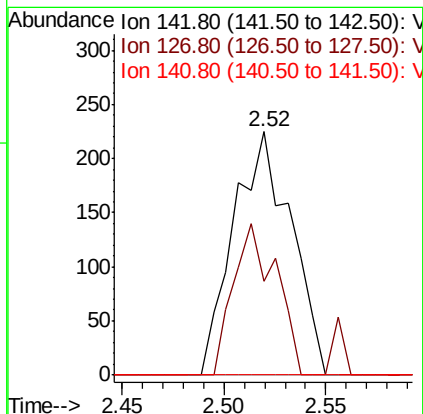
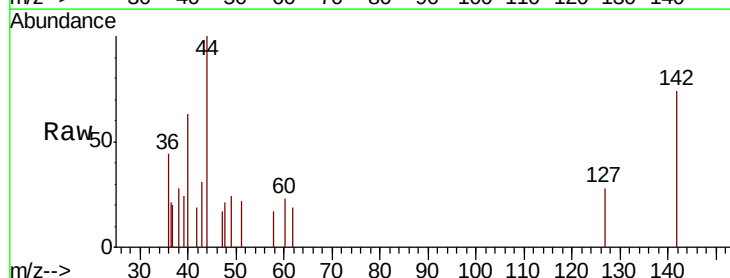
Tgt Ion: 142 Resp: 441

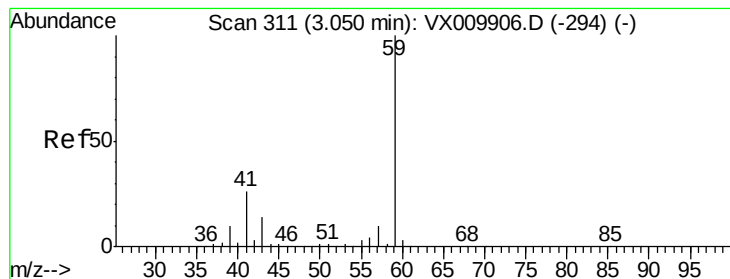
Ion Ratio Lower Upper

142 100

127 46.0 33.0 49.4

141 0.0 11.4 17.0#



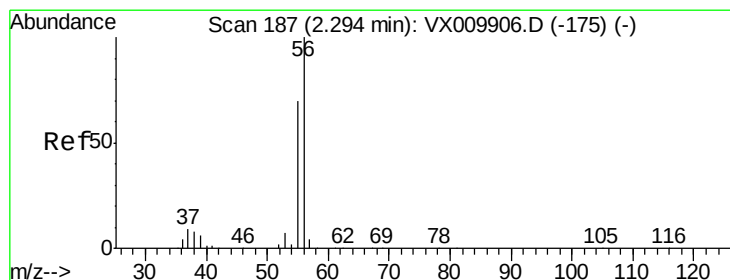
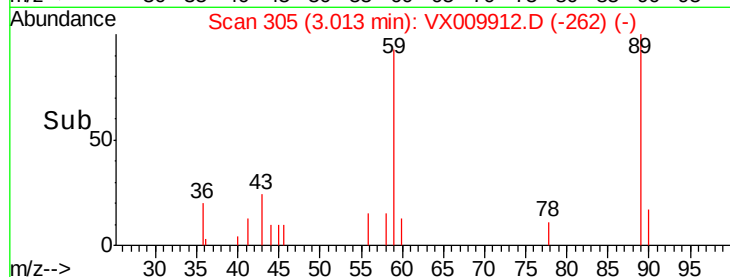
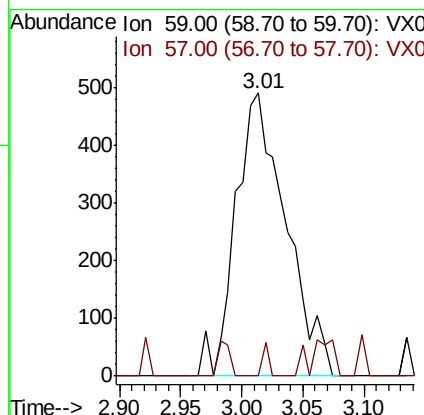
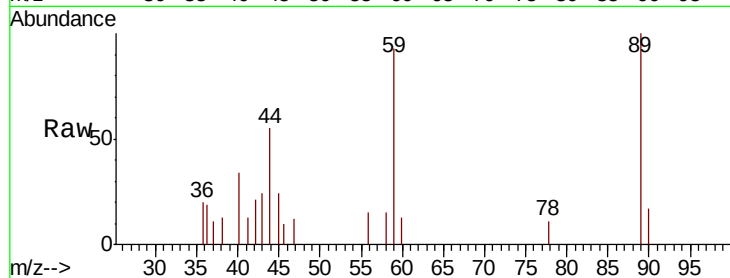


#11

Tert butyl alcohol
 Concen: 2.198 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX009912.D
 Acq: 28 May 2019 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

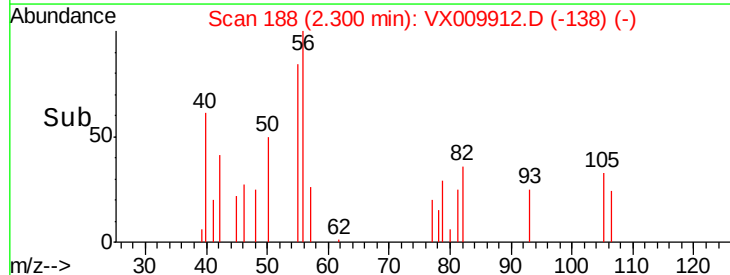
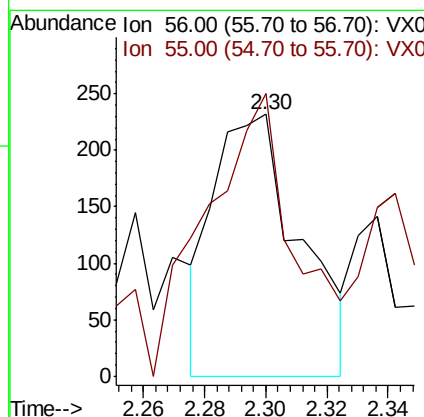
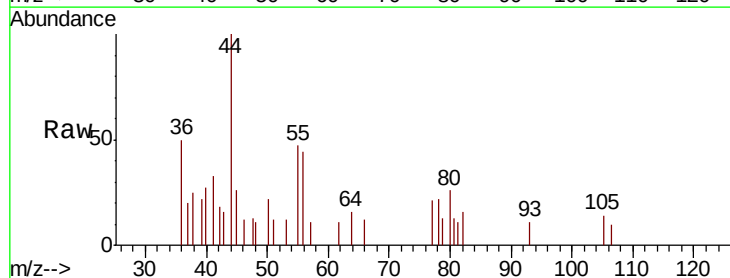
Tot Ion: 59 Resp: 1396
 Ion Ratio Lower Upper
 59 100
 57 1.6 8.2 12.2#

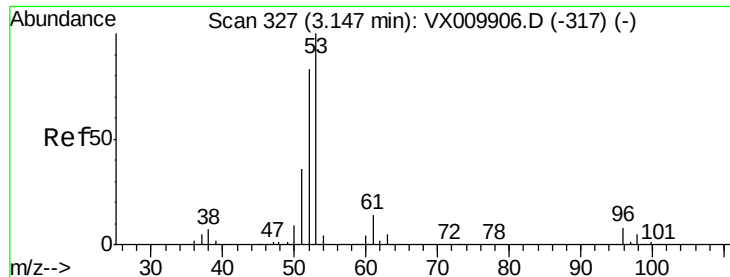


#13

Acrolein
 Concen: 22.014 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009912.D
 Acq: 28 May 2019 14:02

Tgt Ion: 56 Resp: 451
 Ion Ratio Lower Upper
 56 100
 55 111.8 57.0 85.4#





#15

Acrylonitrile

Concen: 0.444 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampled :

VX0528WBL01

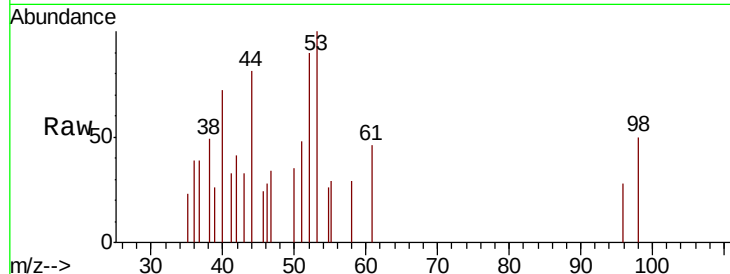
Tot Ion: 53 Resp: 679

Ion Ratio Lower Upper

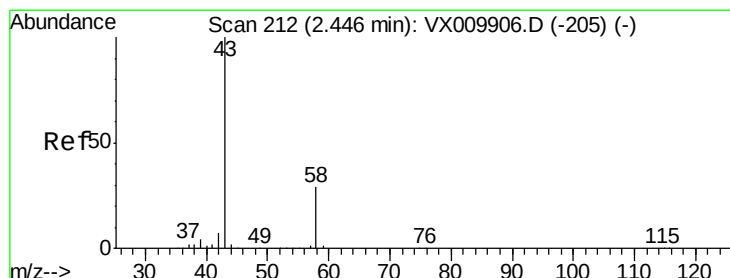
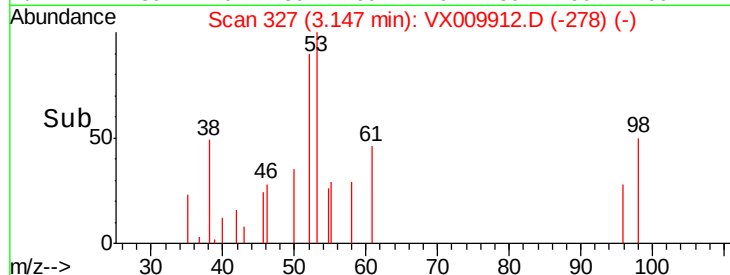
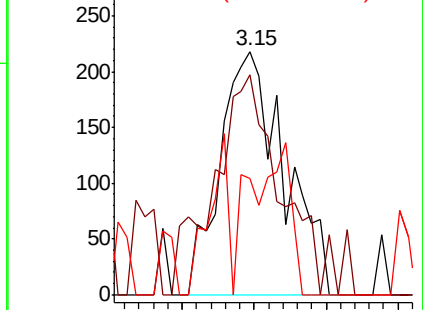
53 100

52 91.9 66.7 100.1

51 15.8 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: 0.488 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009912.D

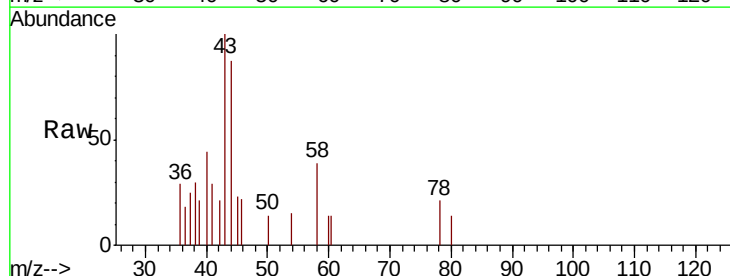
Acq: 28 May 2019 14:02

Tgt Ion: 43 Resp: 728

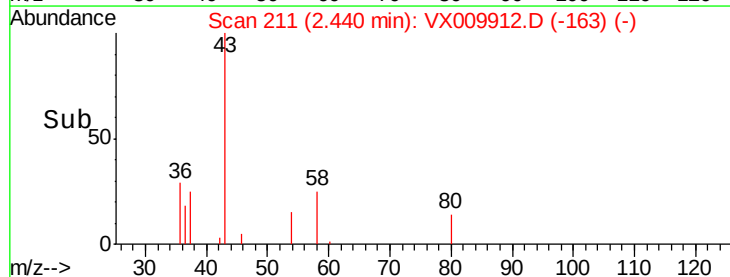
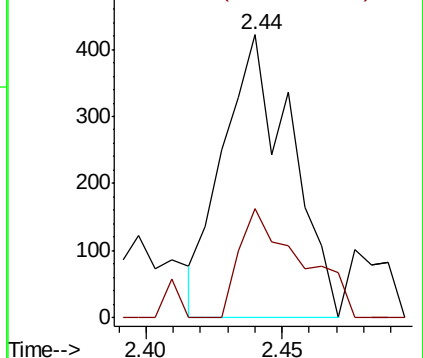
Ion Ratio Lower Upper

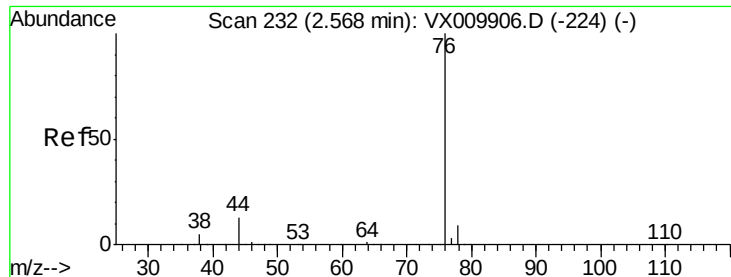
43 100

58 38.6 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: 0.761 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

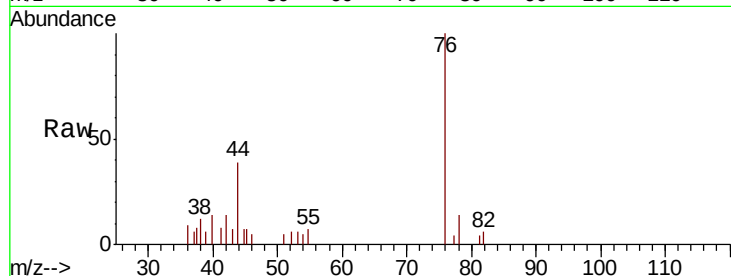
VX0528WBL01

Tot Ion: 76 Resp: 2127

Ion Ratio Lower Upper

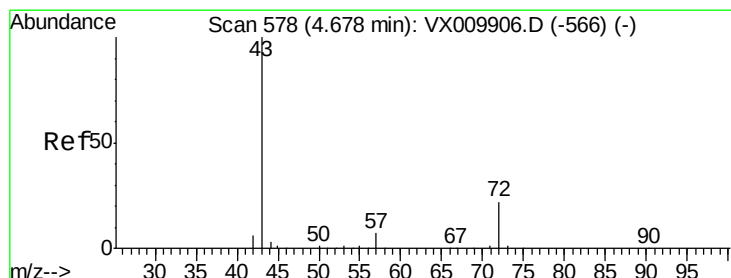
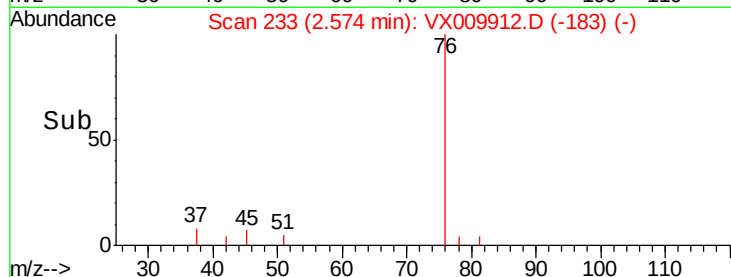
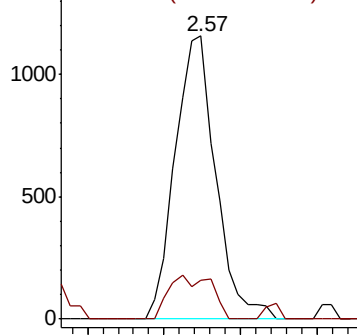
76 100

78 13.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.502 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX009912.D

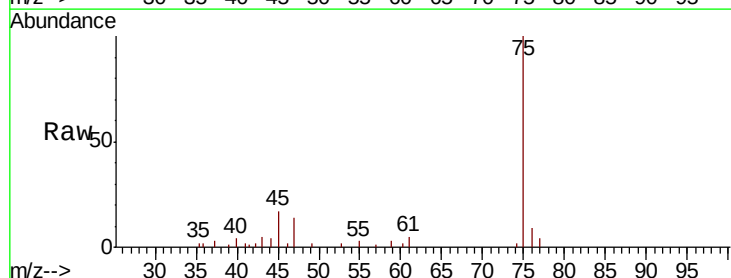
Acq: 28 May 2019 14:02

Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

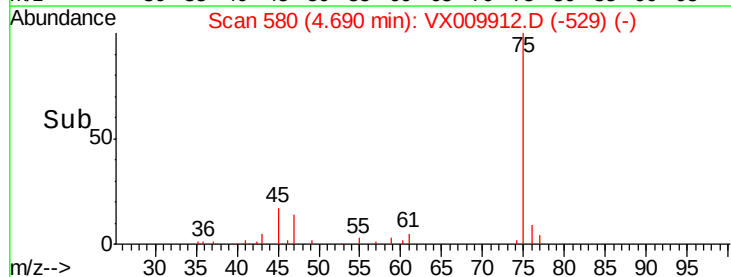
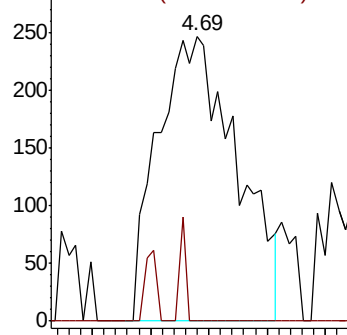
43 100

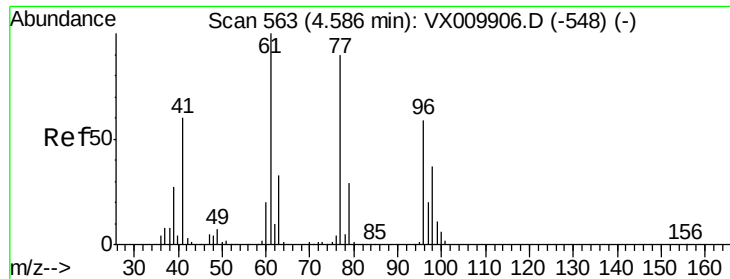
72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

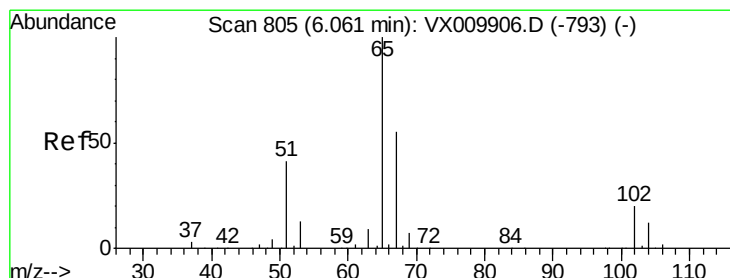
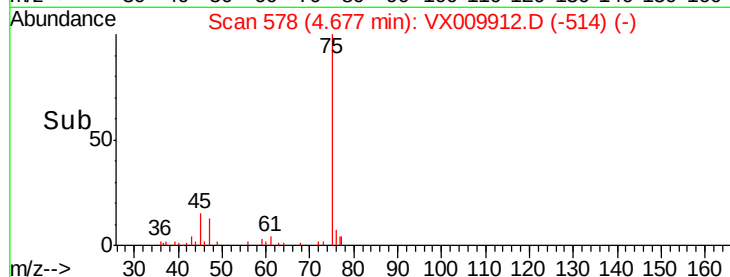
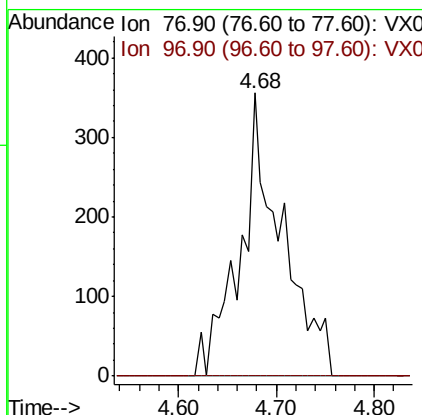
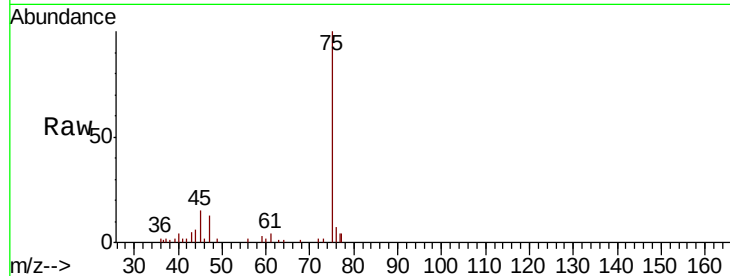




#26
 2,2-Dichloropropane
 Concen: 0.336 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.09 min
 Lab File: VX009912.D
 Acq: 28 May 2019 14:02

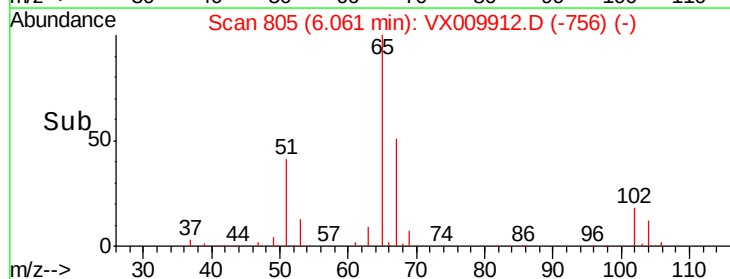
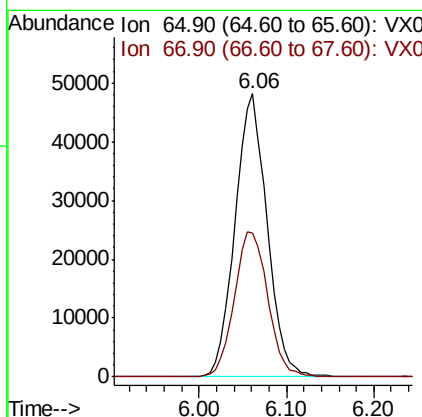
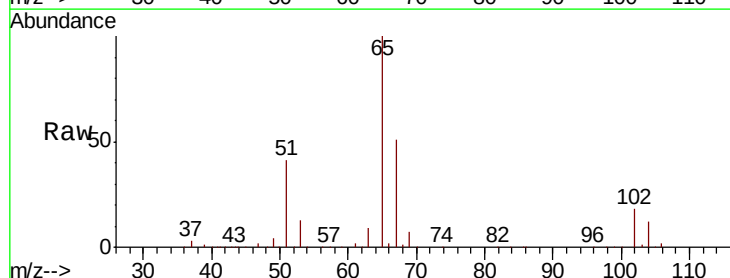
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBL01

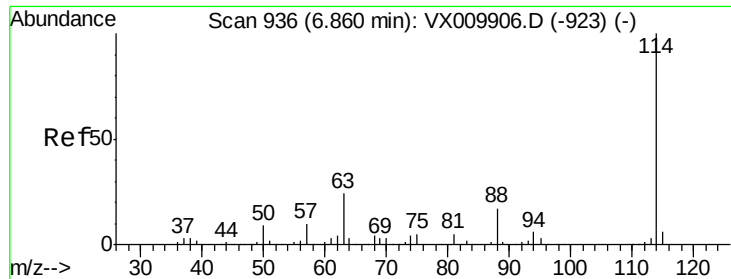
Tot Ion: 77 Resp: 1055
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#33
 1,2-Dichloroethane-d4
 Concen: 47.524 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009912.D
 Acq: 28 May 2019 14:02

Tgt Ion: 65 Resp: 122637
 Ion Ratio Lower Upper
 65 100
 67 53.6 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: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

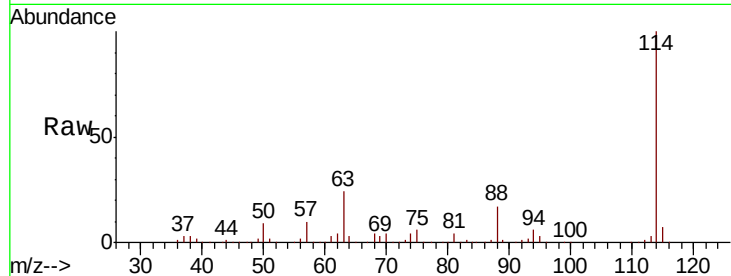
Tot Ion:114 Resp: 295707

Ion Ratio Lower Upper

114 100

63 23.6 0.0 47.4

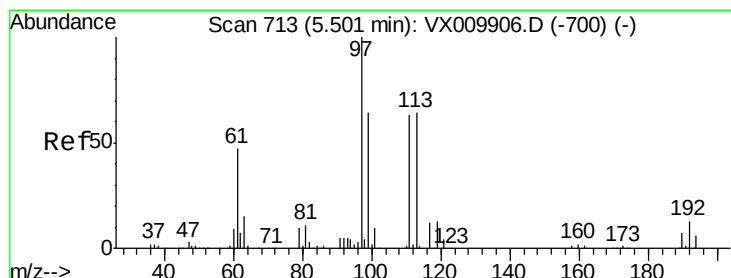
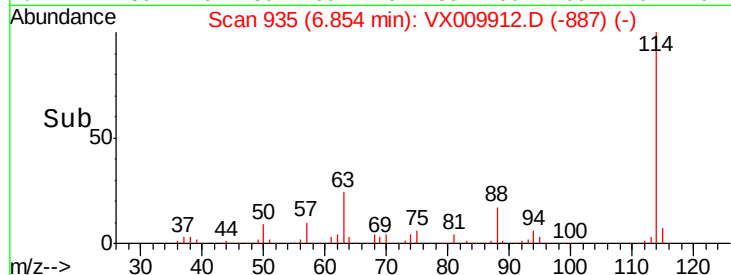
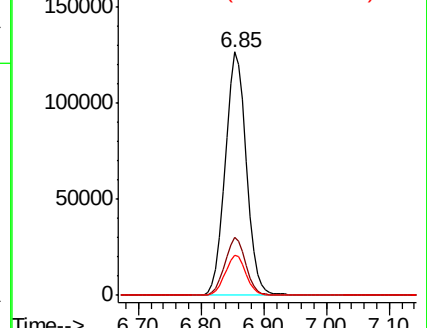
88 16.7 0.0 33.0



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: 48.706 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

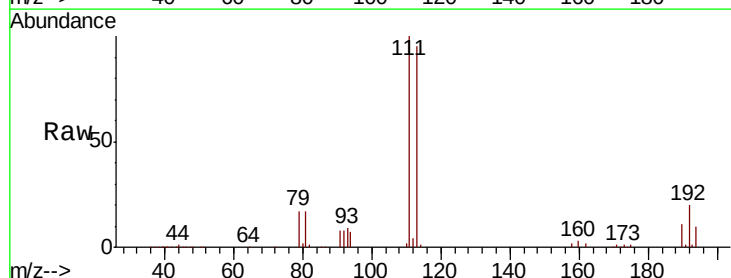
Tgt Ion:113 Resp: 90551

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

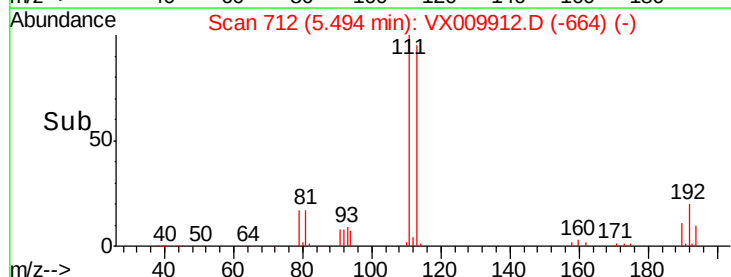
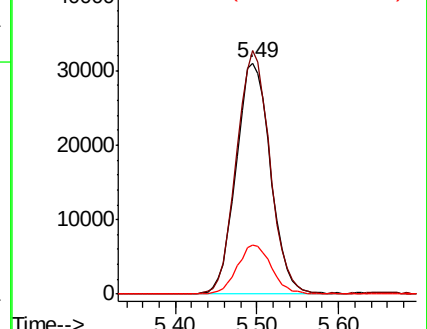
192 21.1 17.1 25.7

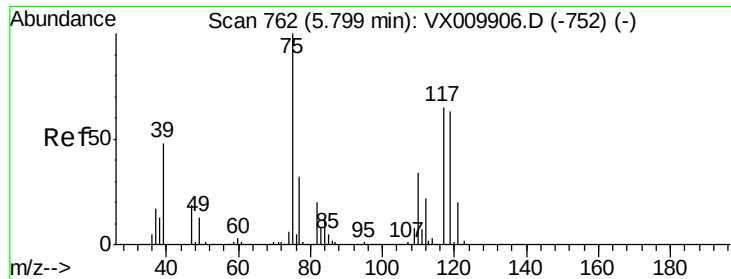


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

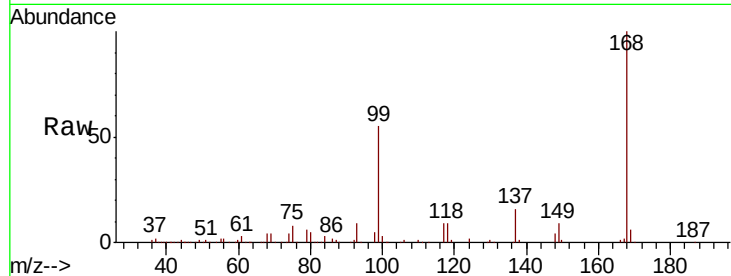
Tot Ion: 75 Resp: 14895

Ion Ratio Lower Upper

75 100

110 8.8 16.7 50.1#

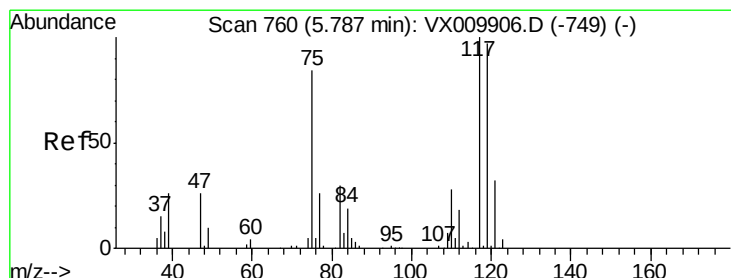
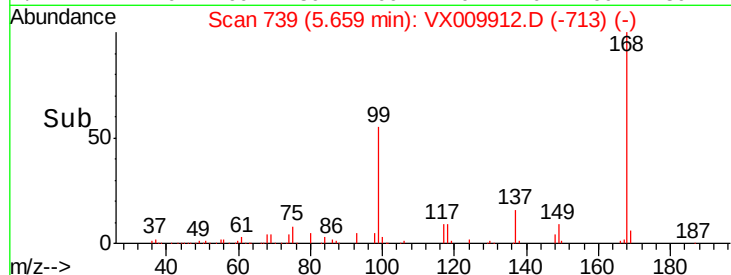
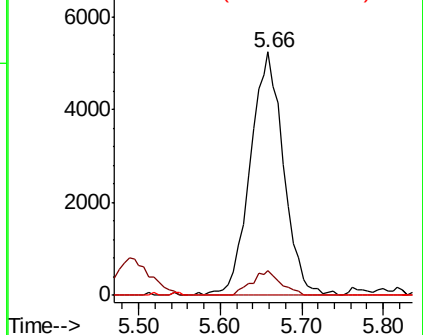
77 0.0 25.0 37.4#



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: 6.775 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

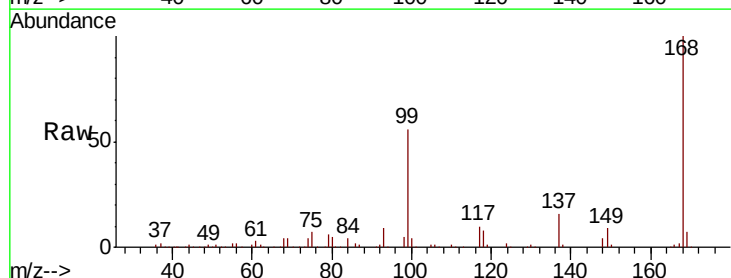
Tgt Ion: 117 Resp: 17566

Ion Ratio Lower Upper

117 100

119 6.2 77.3 115.9#

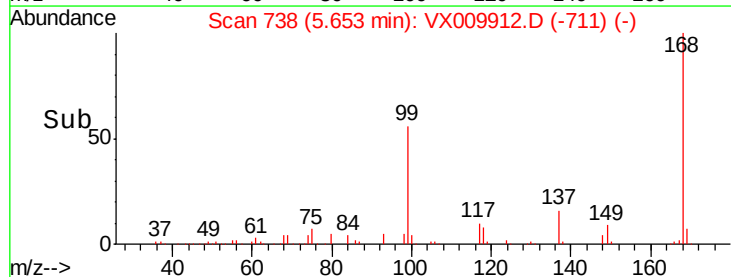
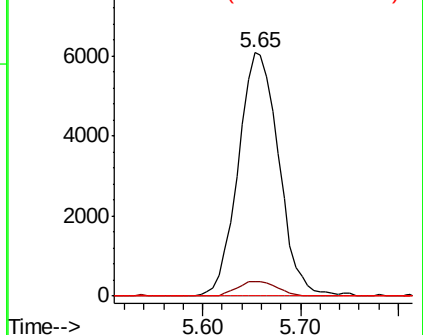
121 0.0 25.4 38.0#

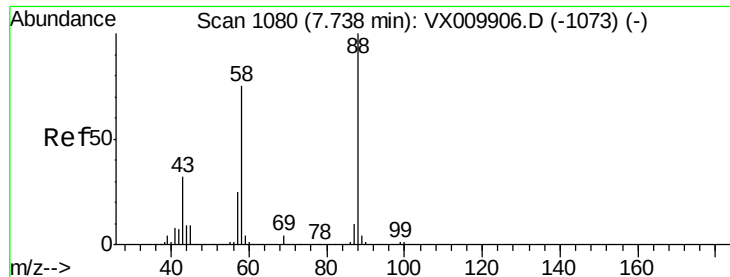


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

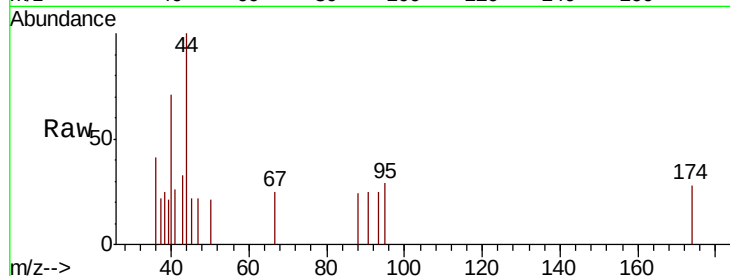




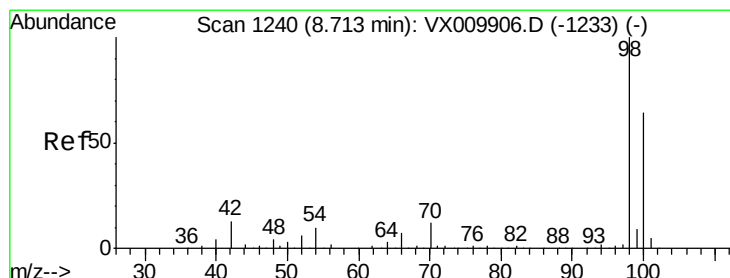
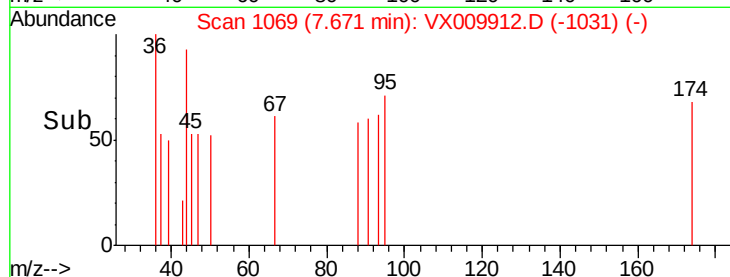
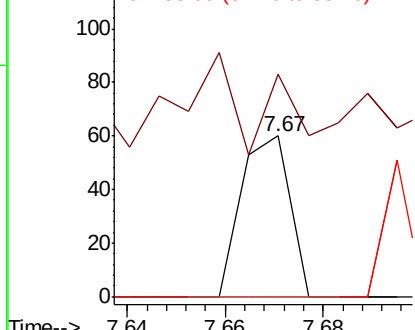
#49
1,4-Dioxane
Concen: 0.660 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.07 min
Lab File: VX009912.D
Acq: 28 May 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

Tot Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 0.0 30.2 45.4#
58 0.0 64.0 96.0#

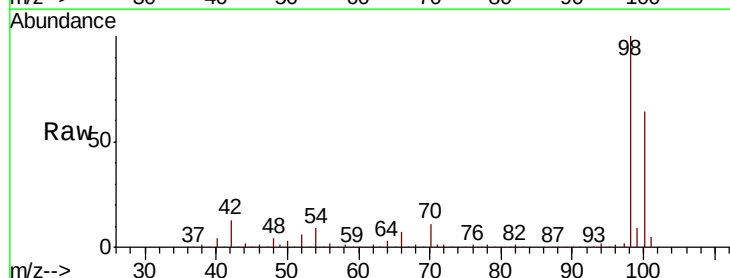


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

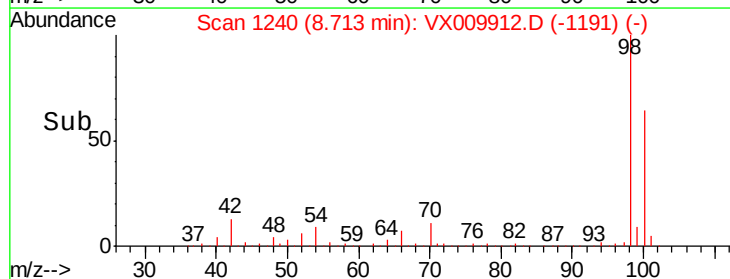
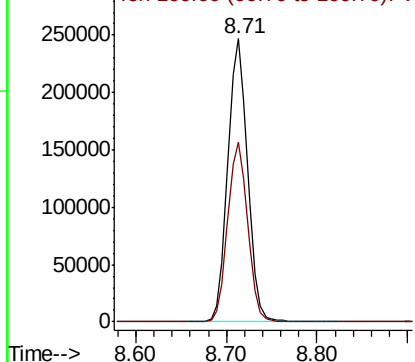


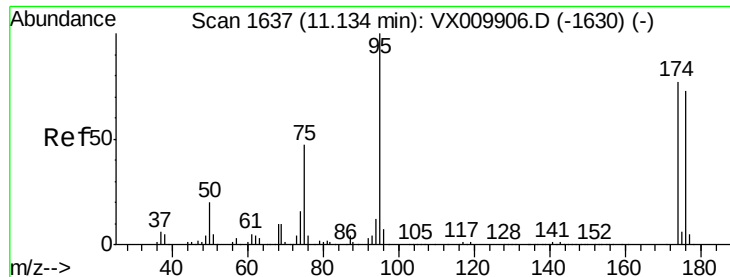
#50
Toluene-d8
Concen: 49.614 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009912.D
Acq: 28 May 2019 14:02

Tgt Ion: 98 Resp: 374562
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



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

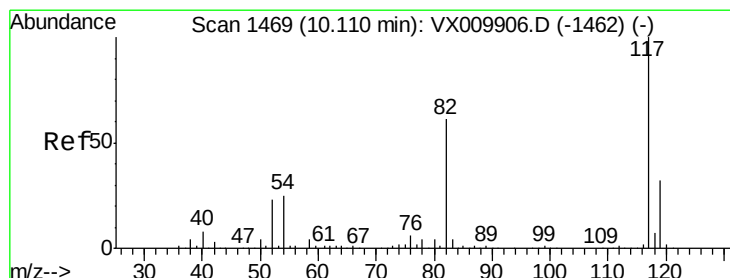
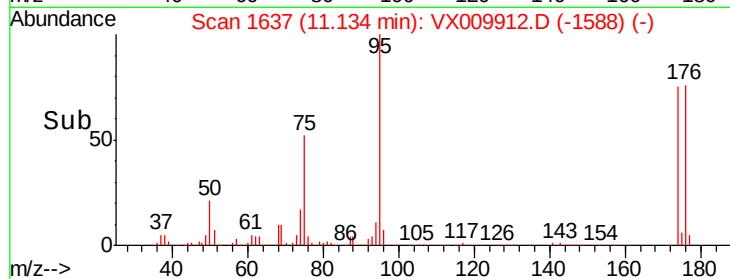
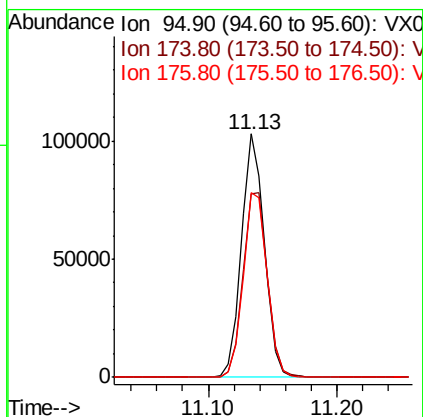
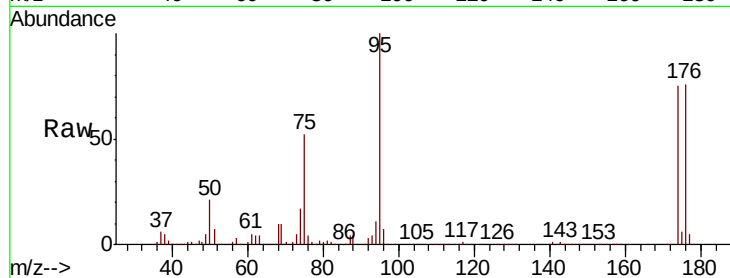




#62
4-Bromofluorobenzene
Concen: 46.580 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009912.D
Acq: 28 May 2019 14:02

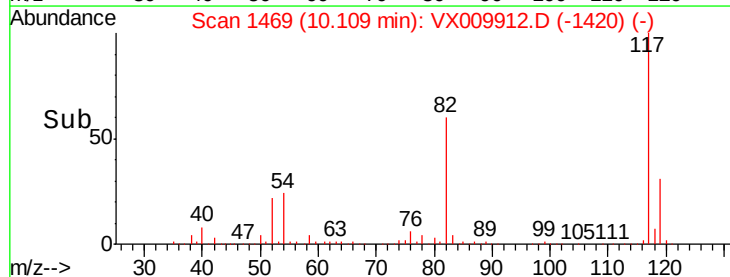
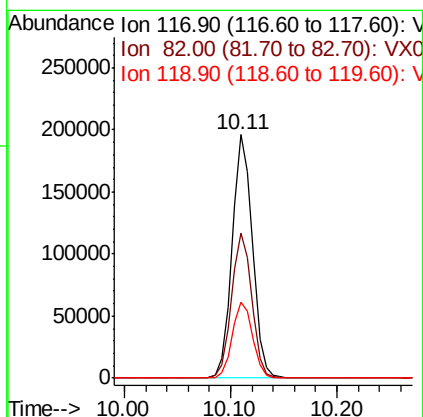
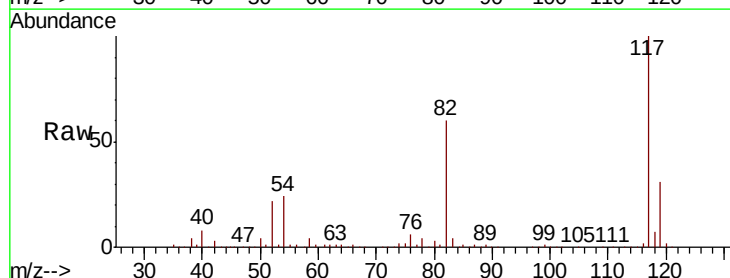
Instrument :
MSVOA_X
ClientSampled :
VX0528WBL01

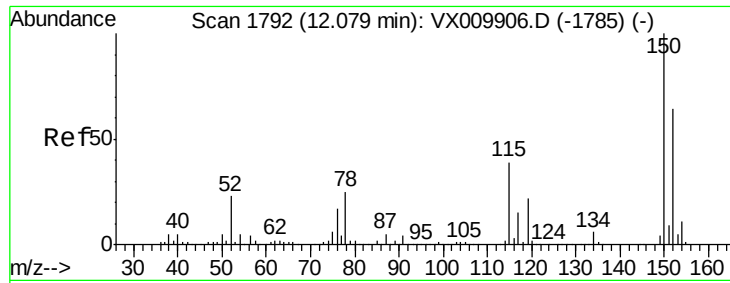
Tot Ion: 95 Resp: 126308
Ion Ratio Lower Upper
95 100
174 80.6 0.0 160.4
176 79.1 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009912.D
Acq: 28 May 2019 14:02

Tgt Ion: 117 Resp: 263278
Ion Ratio Lower Upper
117 100
82 59.6 49.2 73.8
119 31.2 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

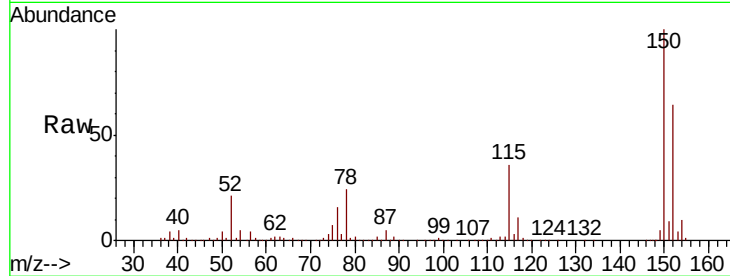
Tot Ion:152 Resp: 114101

Ion Ratio Lower Upper

152 100

115 58.8 41.4 124.2

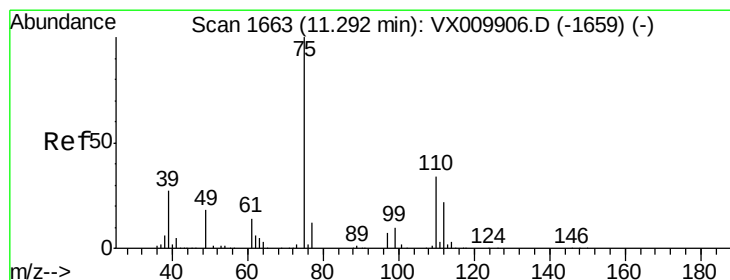
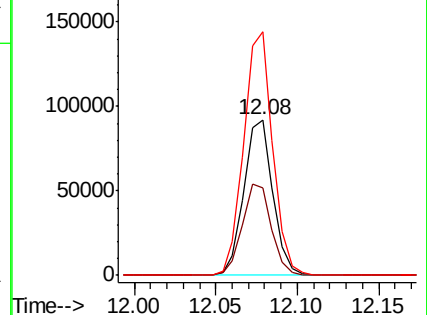
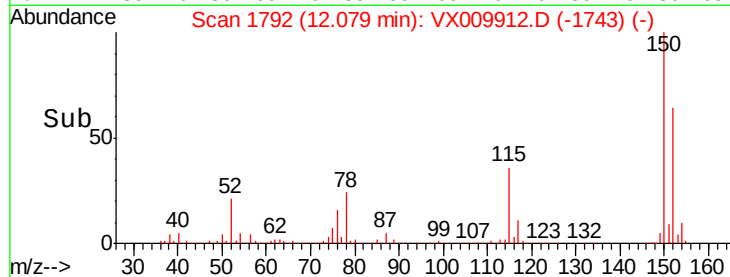
150 156.9 0.0 345.2



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: 24.038 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009912.D

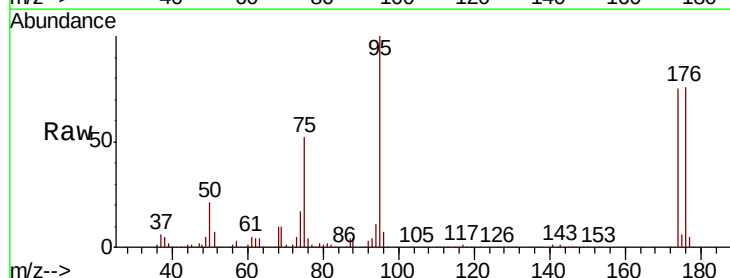
Acq: 28 May 2019 14:02

Tgt Ion: 75 Resp: 65589

Ion Ratio Lower Upper

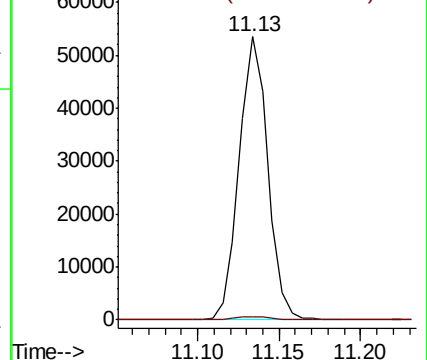
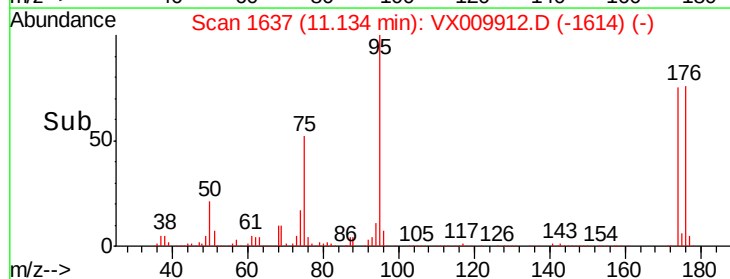
75 100

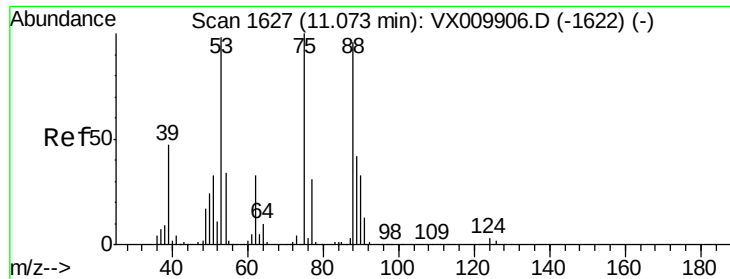
77 1.5 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

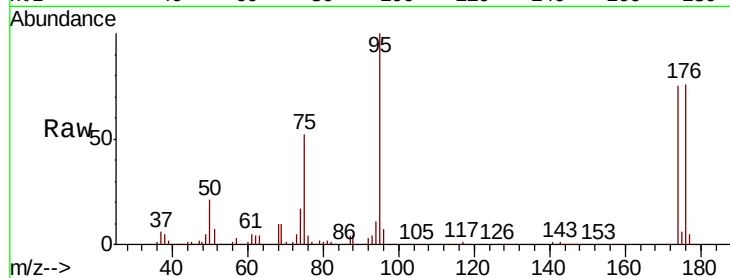




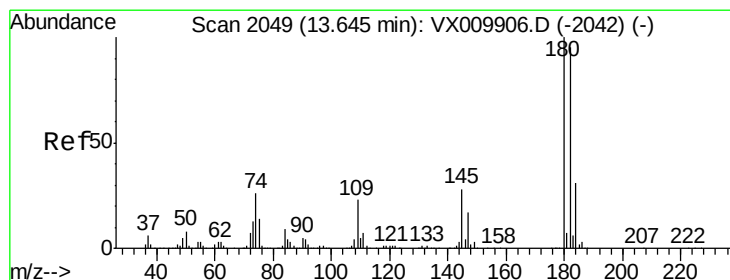
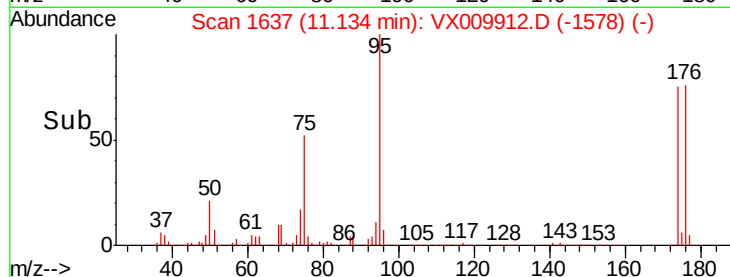
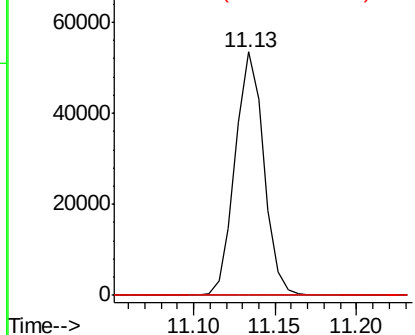
#81
trans-1,4-Dichloro-2-butene
Concen: 59.475 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009912.D
Acq: 28 May 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0528WBL01

Tot Ion: 75 Resp: 65589
Ion Ratio Lower Upper
75 100
53 0.3 79.8 119.6#
89 0.0 34.2 51.4#

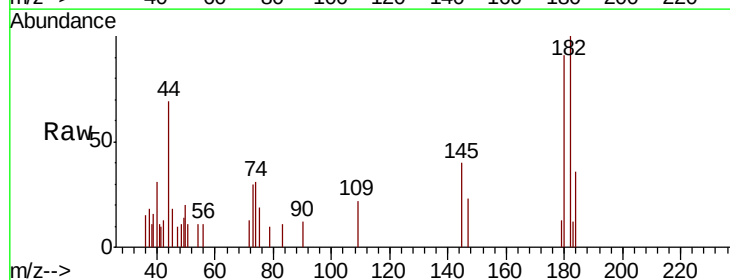


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

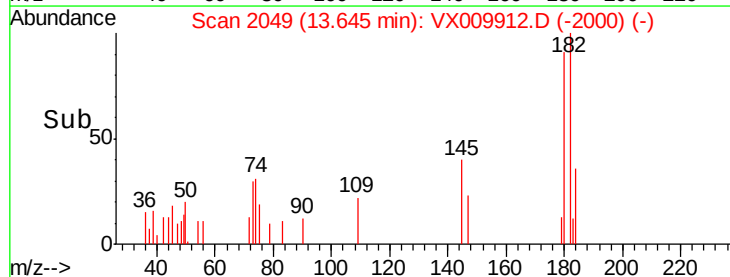
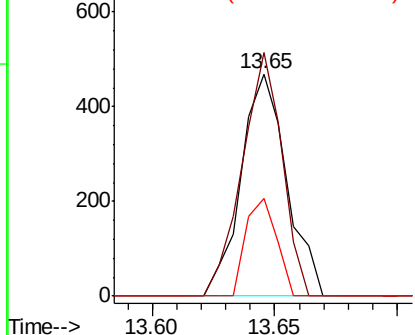


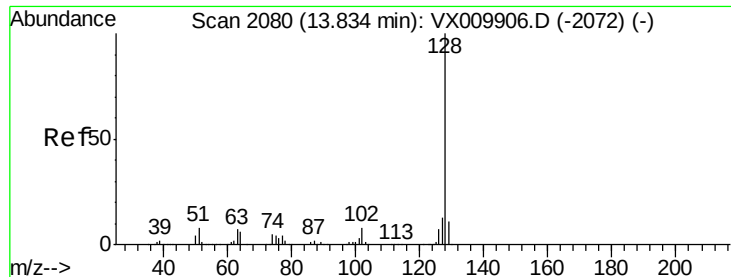
#93
1,2,4-Trichlorobenzene
Concen: 0.226 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX009912.D
Acq: 28 May 2019 14:02

Tgt Ion:180 Resp: 609
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.2
145 29.6 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.204 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0528WBL01

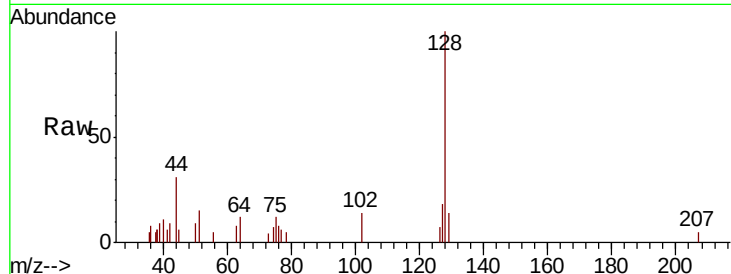
Tot Ion:128 Resp: 1709

Ion Ratio Lower Upper

128 100

127 17.8 10.6 16.0#

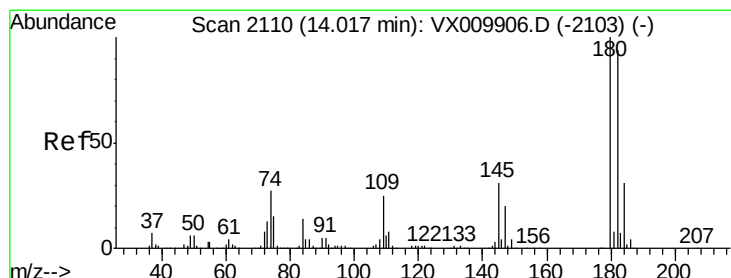
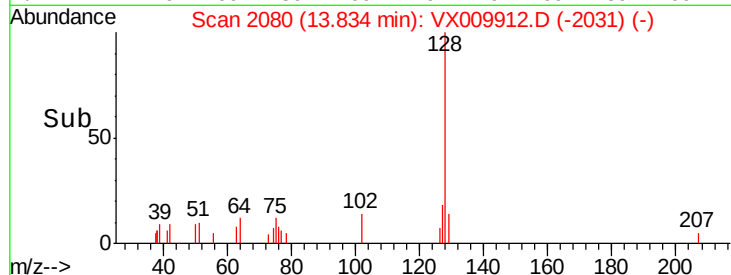
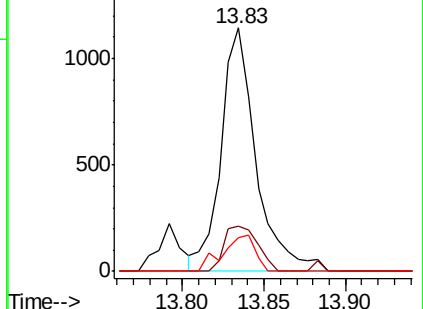
129 13.8 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.209 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009912.D

Acq: 28 May 2019 14:02

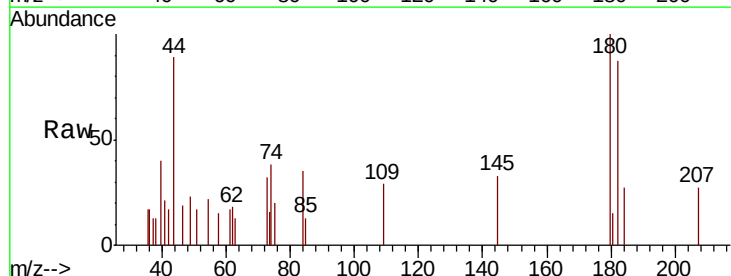
Tgt Ion:180 Resp: 562

Ion Ratio Lower Upper

180 100

182 105.7 47.3 142.0

145 32.9 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

