

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032819\
 Data File : VX008509.D
 Acq On : 28 Mar 2019 11:01
 Operator : JC/SP
 Sample : VX0328WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0328WBL01

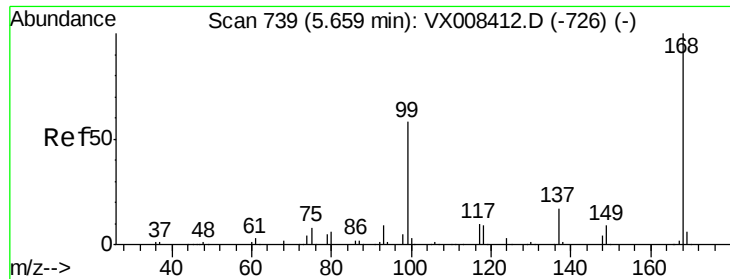
Quant Time: Mar 29 01:26:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	239637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137436	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	164207	45.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.40%	
35) Dibromofluoromethane	5.50	113	120911	47.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.04%	
50) Toluene-d8	8.71	98	493968	48.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.13	95	165790	43.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	398	Below Cal	#	72
5) Bromomethane	1.64	94	700	2.134	ug/l #	65
6) Chloroethane	1.68	64	2467	1.056	ug/l #	50
10) Methyl Iodide	2.52	142	169	4.188	ug/l #	42
13) Acrolein	2.29	56	203	0.347	ug/l #	14
16) Acetone	2.44	43	386	0.203	ug/l #	75
17) Carbon Disulfide	2.57	76	1343	Below Cal	#	92
20) Methylene Chloride	2.87	84	580	Below Cal	#	76
21) trans-1,2-Dichloroethene	3.17	96	115	Below Cal	#	13
31) Cyclohexane	5.65	56	5748	0.987	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20041	4.766	ug/l #	52
38) Carbon Tetrachloride	5.66	117	23453	6.683	ug/l #	16
49) 1,4-Dioxane	7.60	88	20	0.231	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	84683	20.726	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	84683	66.382	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008509.D

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MSVOA_X

ClientSampleId :

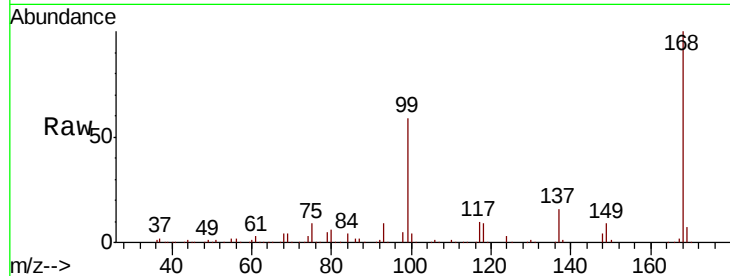
VX0328WBL01

Tot Ion:168 Resp: 239637

Ion Ratio Lower Upper

168 100

99 58.8 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

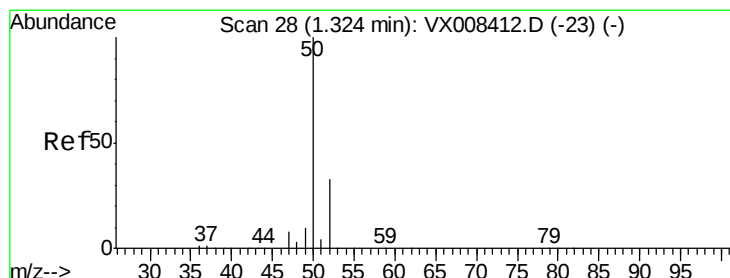
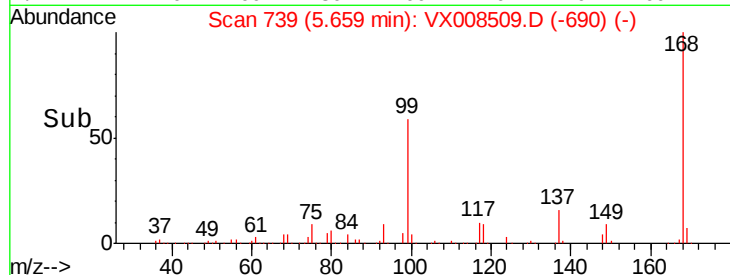
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008509.D

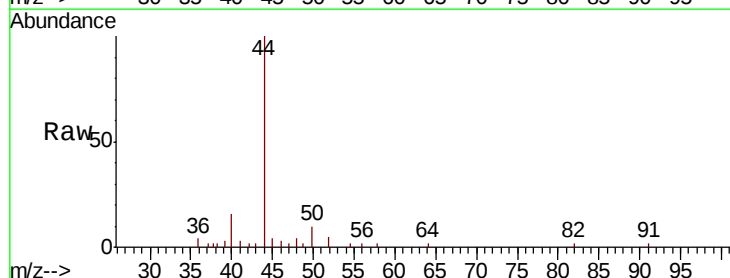
Acq: 28 Mar 2019 11:01

Tgt Ion: 50 Resp: 398

Ion Ratio Lower Upper

50 100

52 48.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

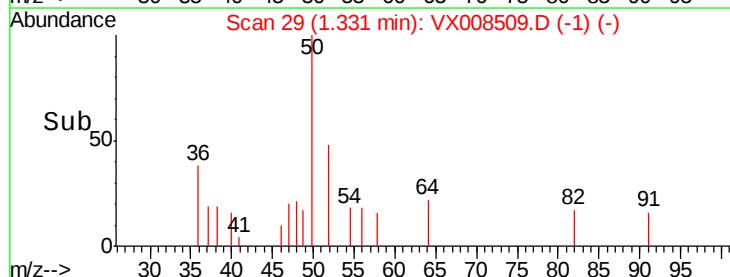
200

100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.134 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008509.D

Acq: 28 Mar 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

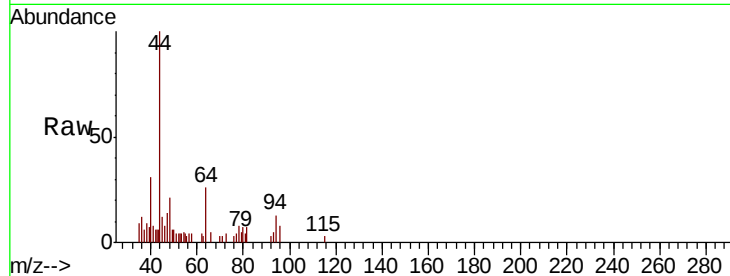
VX0328WBL01

Tot Ion: 94 Resp: 700

Ion Ratio Lower Upper

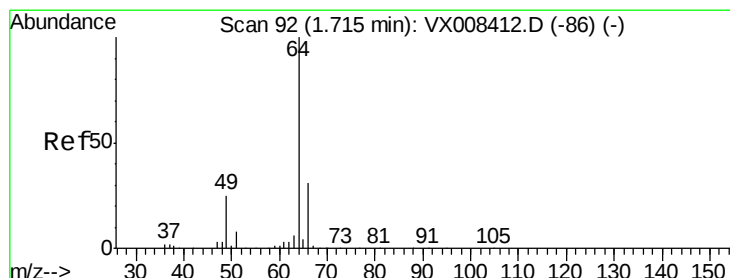
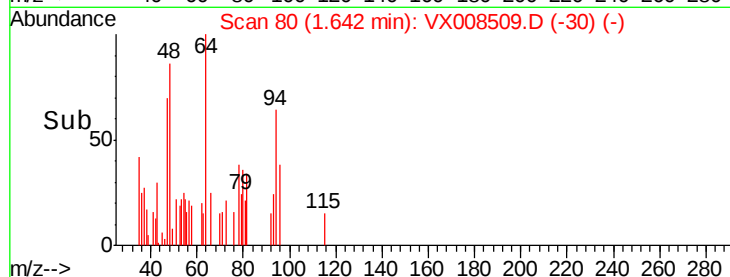
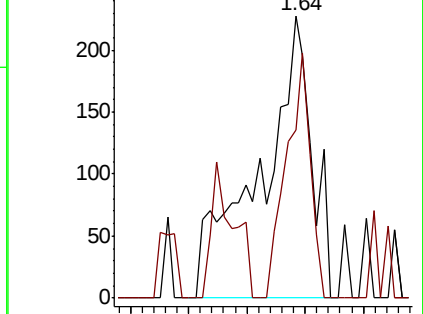
94 100

96 59.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.056 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX008509.D

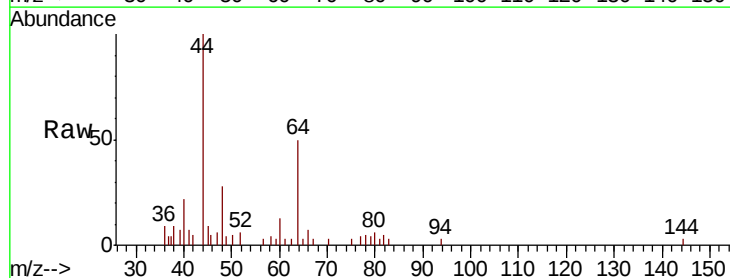
Acq: 28 Mar 2019 11:01

Tgt Ion: 64 Resp: 2467

Ion Ratio Lower Upper

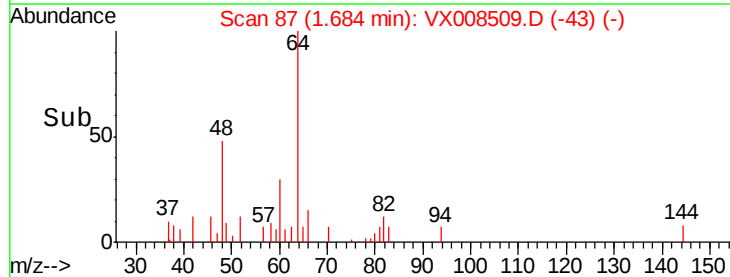
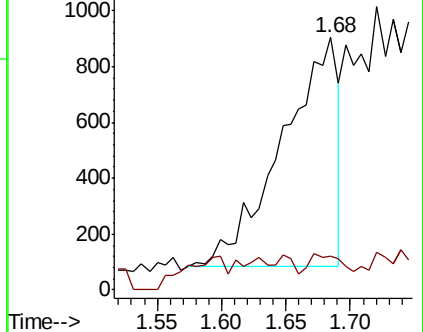
64 100

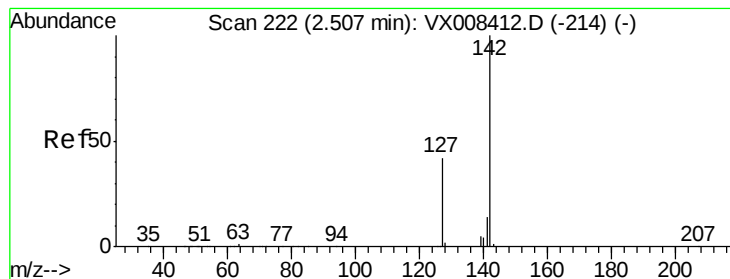
66 3.7 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 4.188 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX008509.D

Acq: 28 Mar 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL01

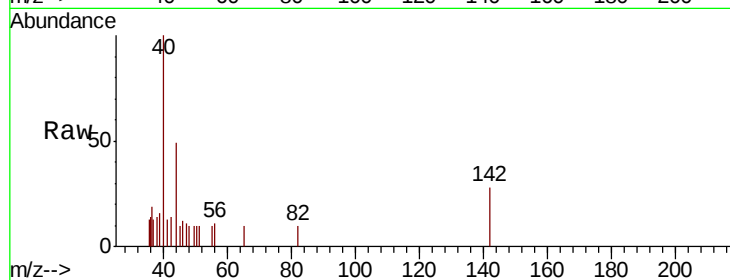
Tot Ion:142 Resp: 169

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

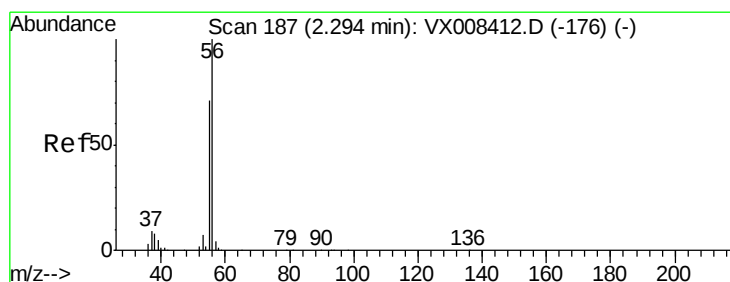
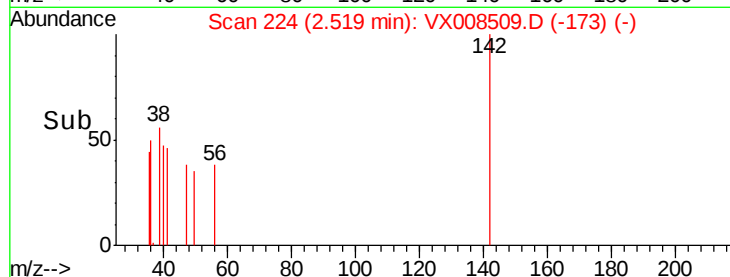
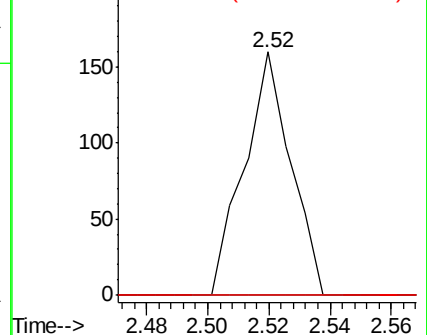
141 0.0 11.3 16.9#



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



#13

Acrolein

Concen: 0.347 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008509.D

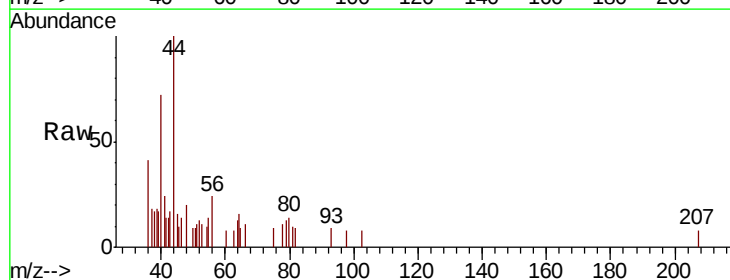
Acq: 28 Mar 2019 11:01

Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

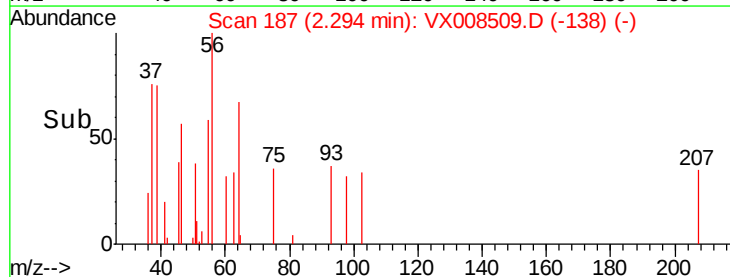
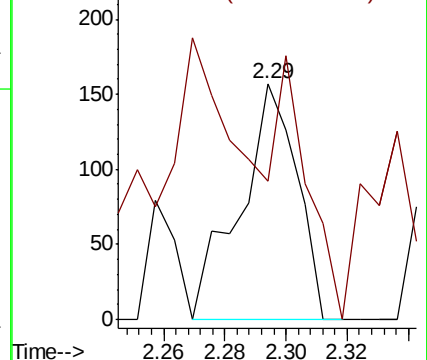
56 100

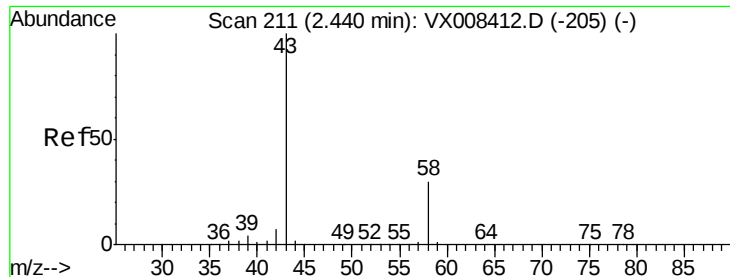
55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.203 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008509.D

Acq: 28 Mar 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

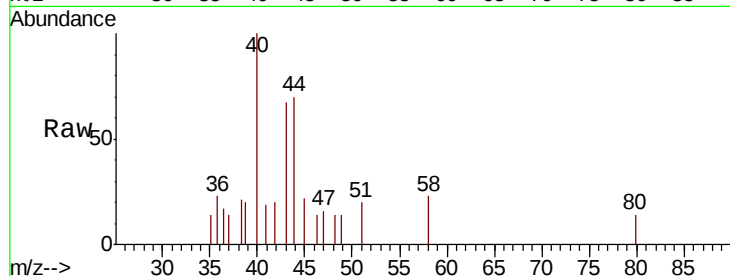
VX0328WBL01

Tot Ion: 43 Resp: 386

Ion Ratio Lower Upper

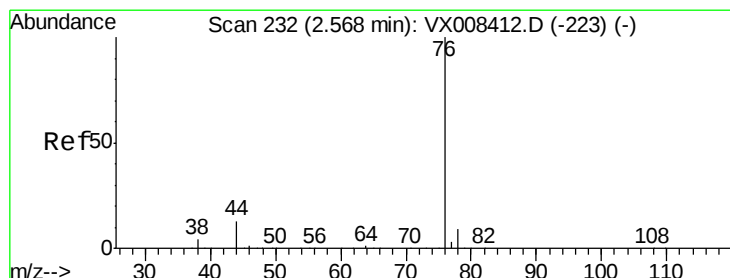
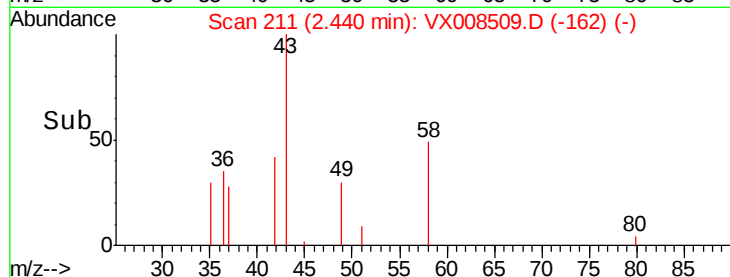
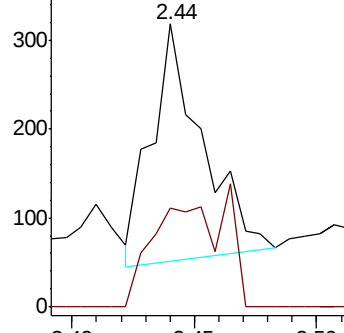
43 100

58 44.0 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008509.D

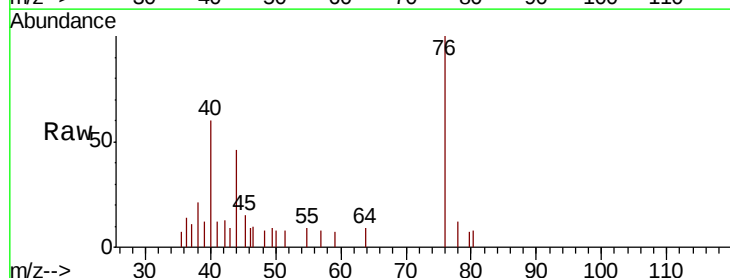
Acq: 28 Mar 2019 11:01

Tgt Ion: 76 Resp: 1343

Ion Ratio Lower Upper

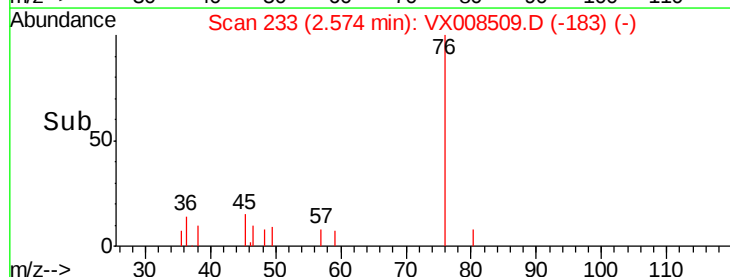
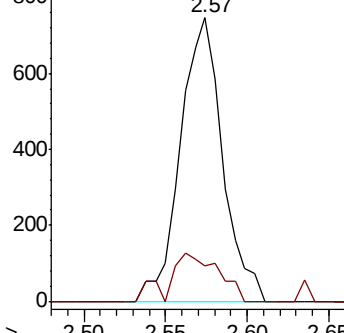
76 100

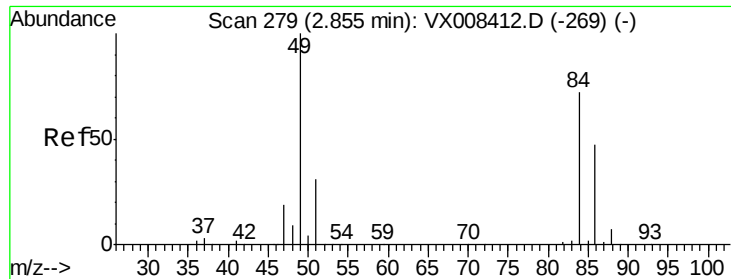
78 12.3 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

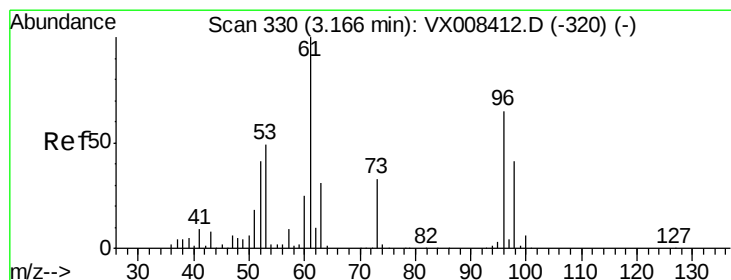
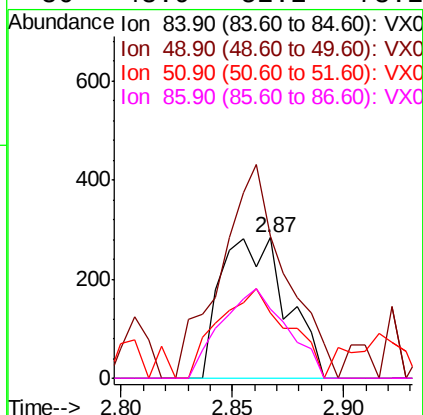
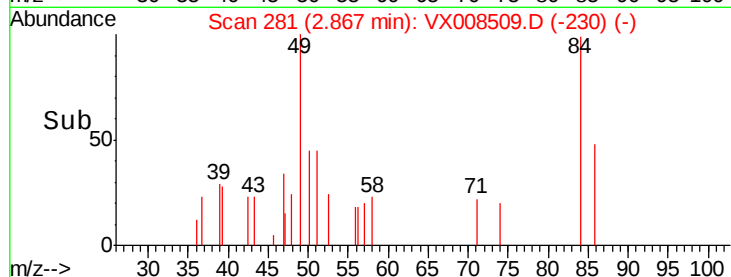
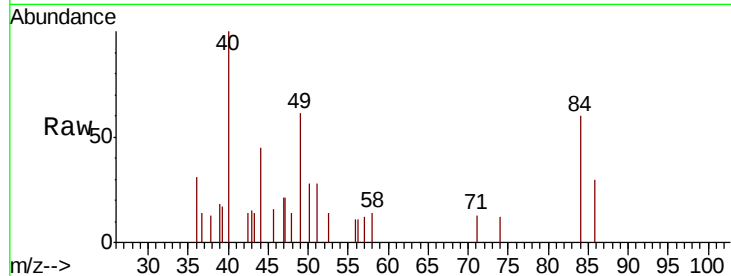




#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

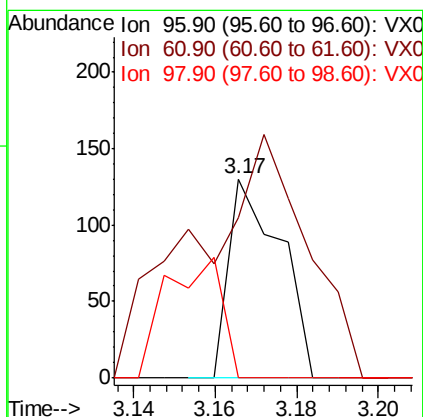
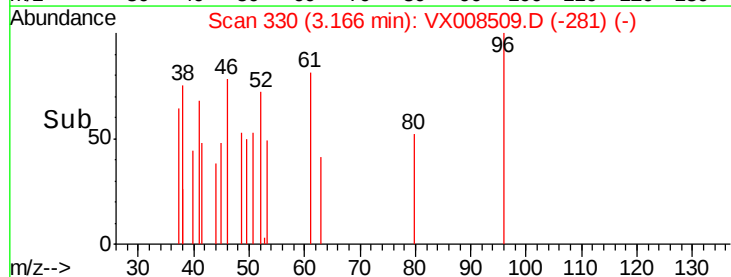
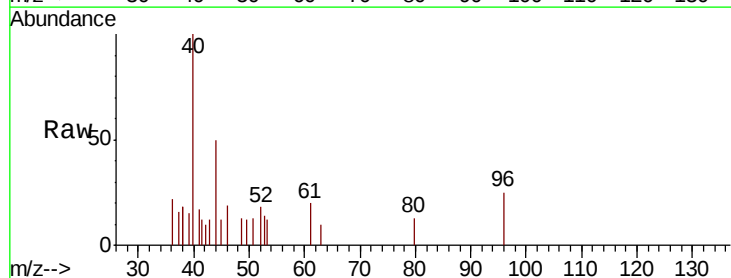
Instrument :
MSVOA_X
ClientSampled :
VX0328WBL01

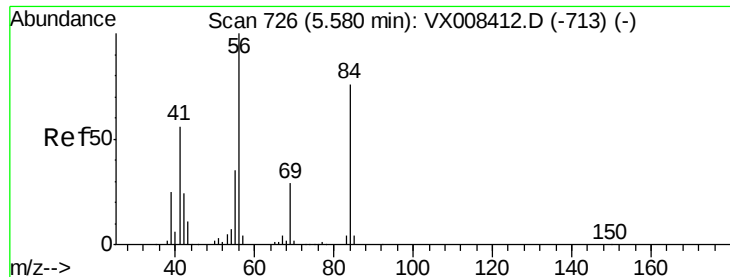
Tot Ion: 84 Resp: 580
Ion Ratio Lower Upper
84 100
49 101.4 110.6 165.8#
51 46.1 33.9 50.9
86 48.9 52.2 78.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

Tgt Ion: 96 Resp: 115
Ion Ratio Lower Upper
96 100
61 37.7 122.6 184.0#
98 0.0 50.9 76.3#

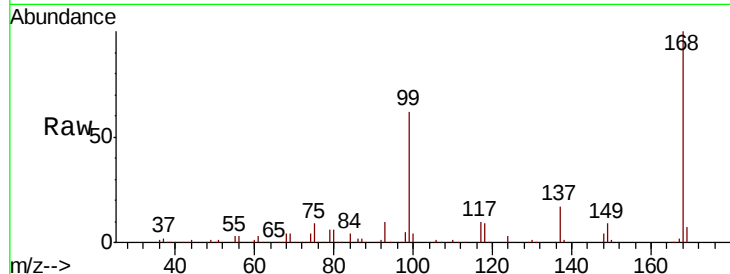




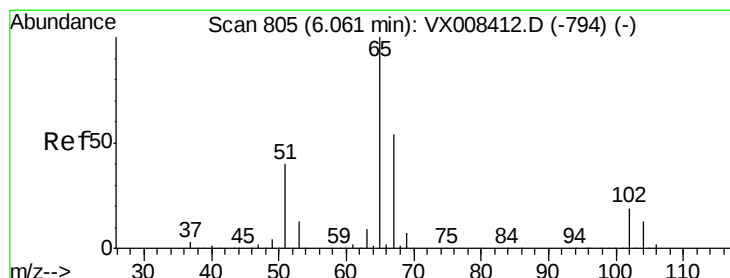
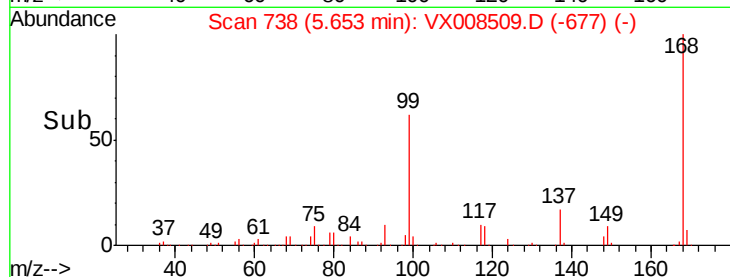
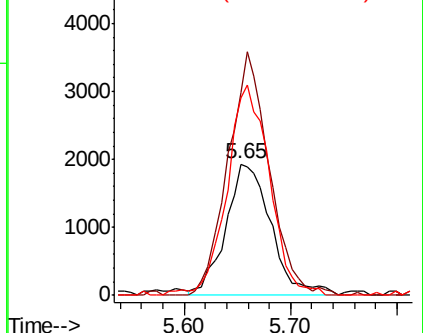
#31
Cyclohexane
Concen: 0.987 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0328WBL01

Tot Ion: 56 Resp: 5748
Ion Ratio Lower Upper
56 100
69 154.0 23.2 34.8#
84 149.9 60.7 91.1#

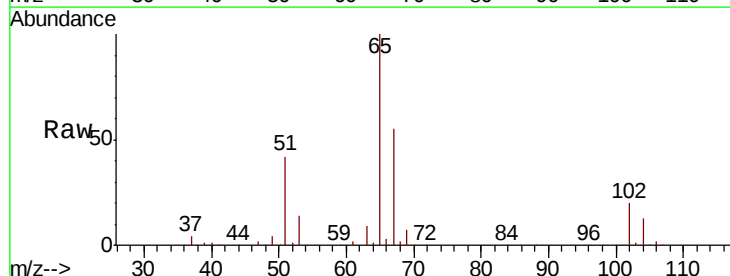


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

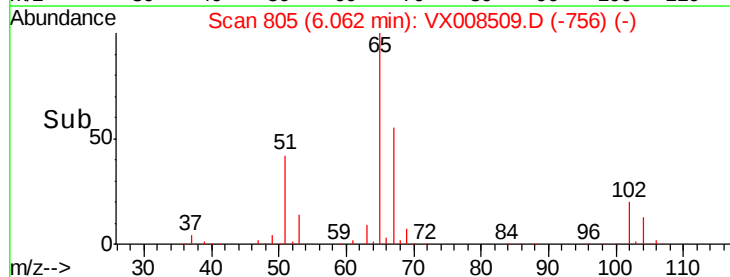
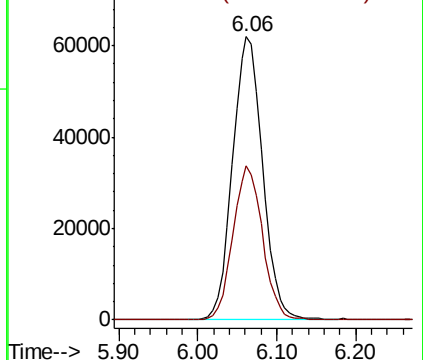


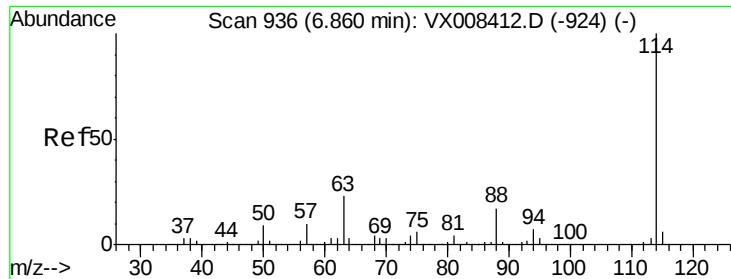
#33
1,2-Dichloroethane-d4
Concen: 45.199 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

Tgt Ion: 65 Resp: 164207
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

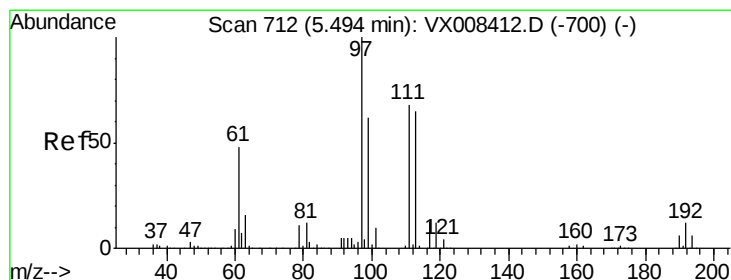
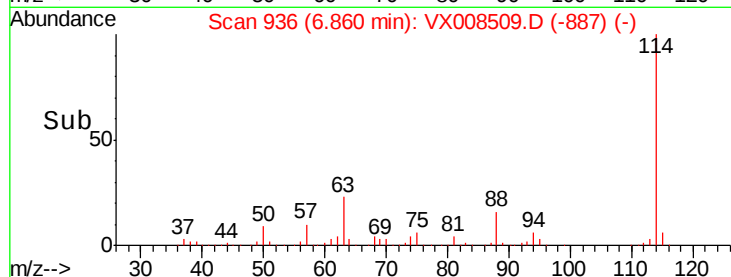
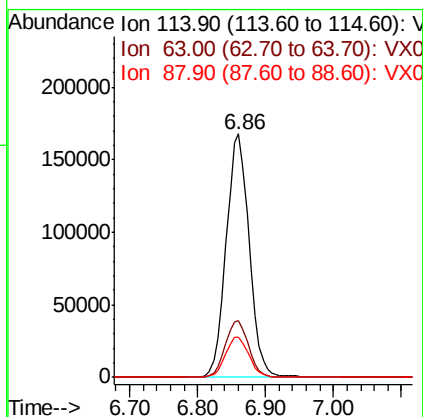
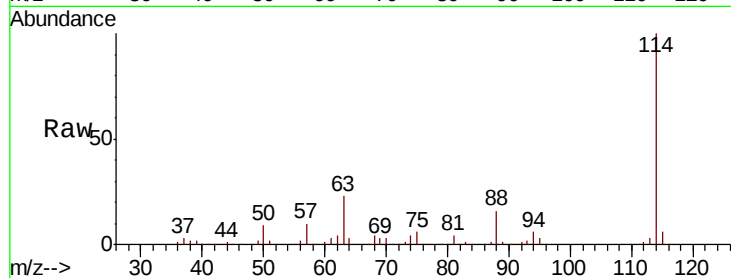




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

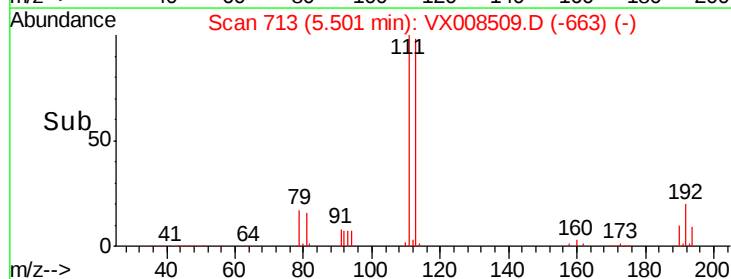
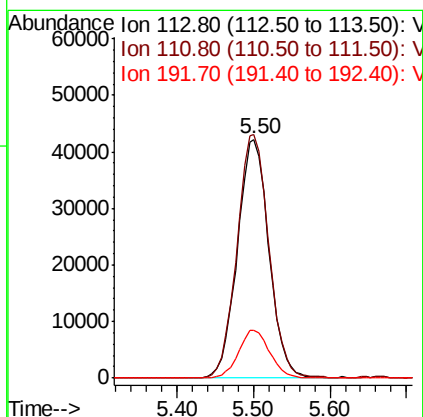
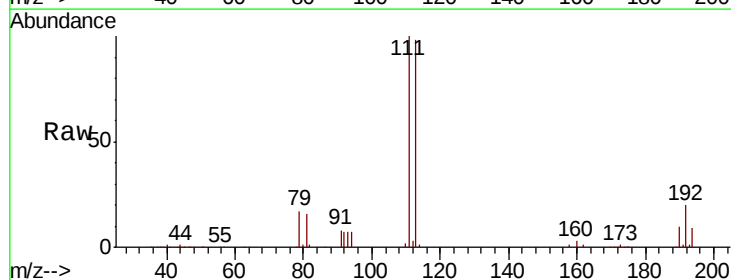
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBL01

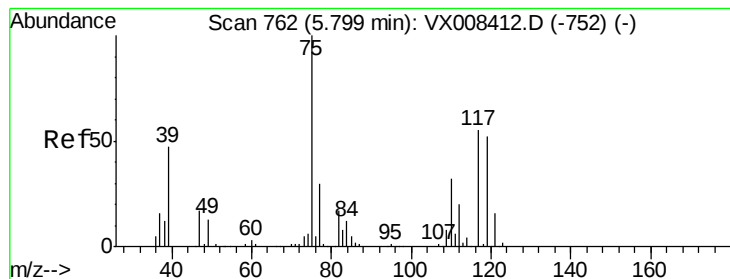
Tot Ion:114 Resp: 394386
Ion Ratio Lower Upper
114 100
63 23.3 0.0 46.4
88 16.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.018 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

Tgt Ion:113 Resp: 120911
Ion Ratio Lower Upper
113 100
111 102.9 83.0 124.4
192 19.8 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008509.D

Acq: 28 Mar 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL01

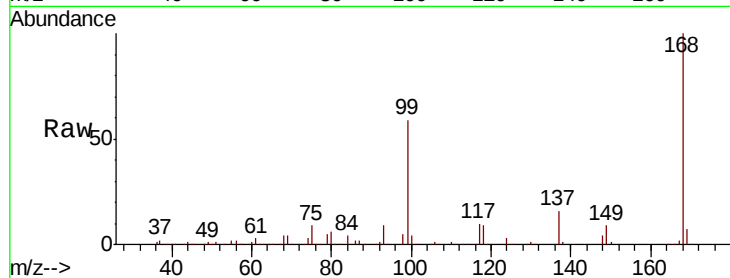
Tot Ion: 75 Resp: 20041

Ion Ratio Lower Upper

75 100

110 8.7 16.6 49.7#

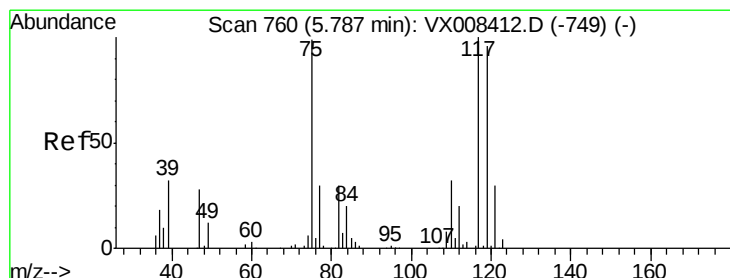
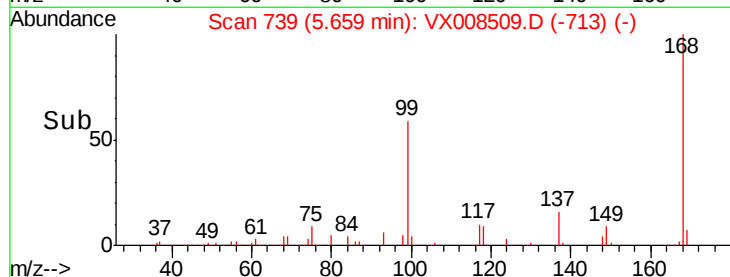
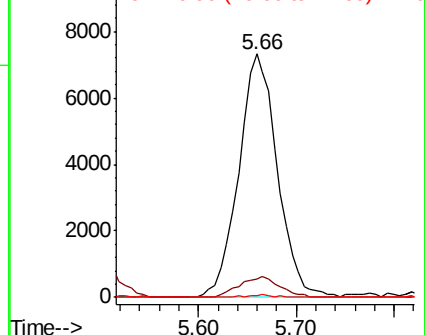
77 0.7 24.2 36.2#



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: 6.683 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008509.D

Acq: 28 Mar 2019 11:01

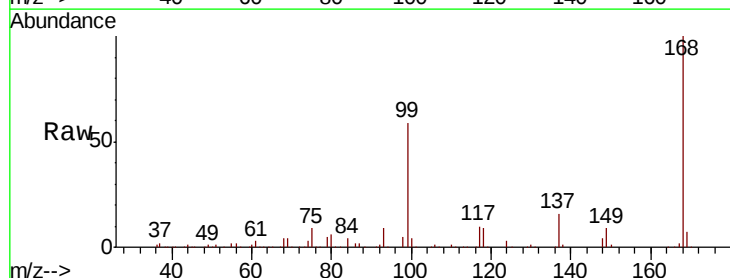
Tgt Ion: 117 Resp: 23453

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

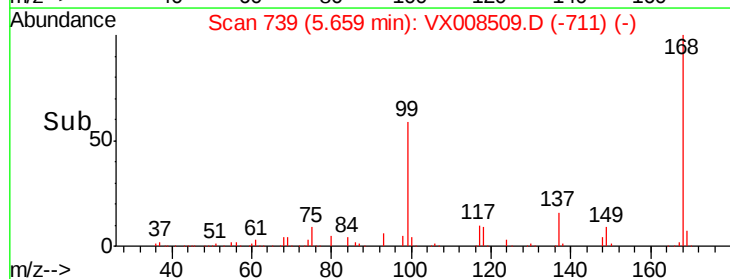
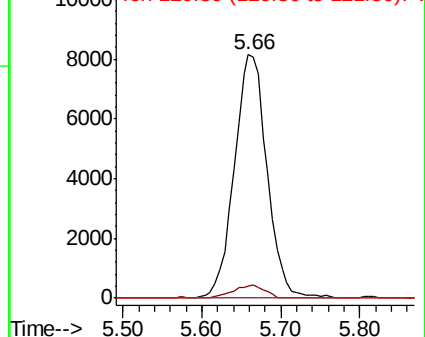
121 0.0 24.3 36.5#

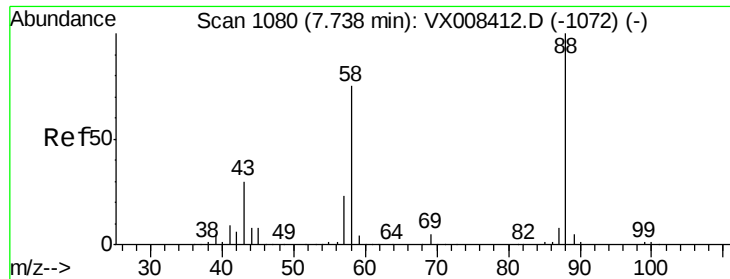


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

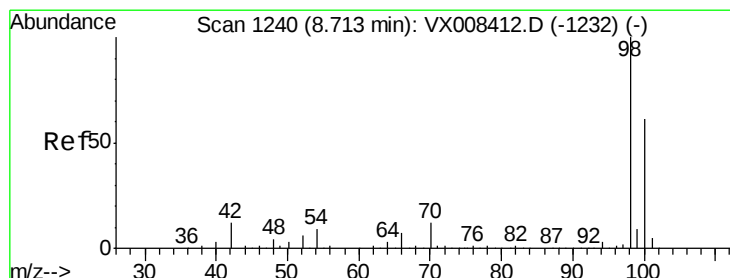
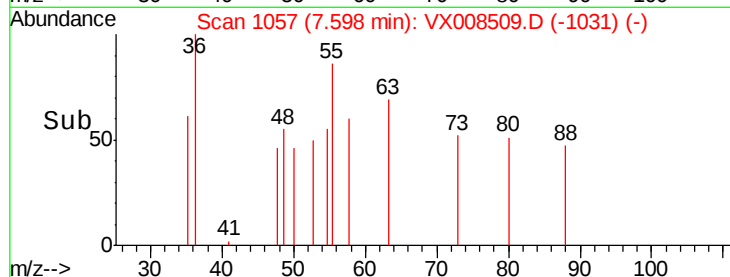
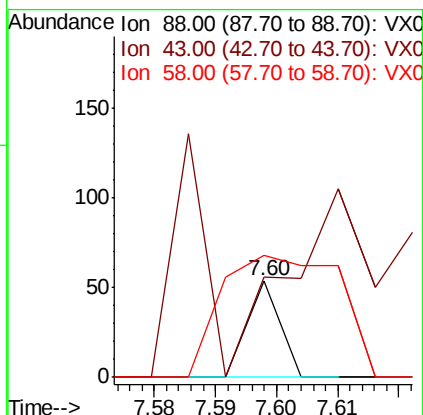
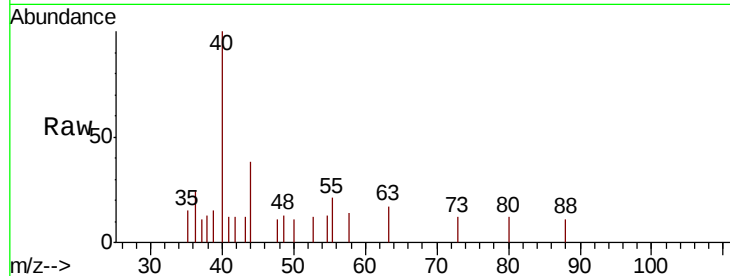




#49
1,4-Dioxane
Concen: 0.231 ug/l
RT: 7.60 min Scan# 1057
Delta R.T. -0.14 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

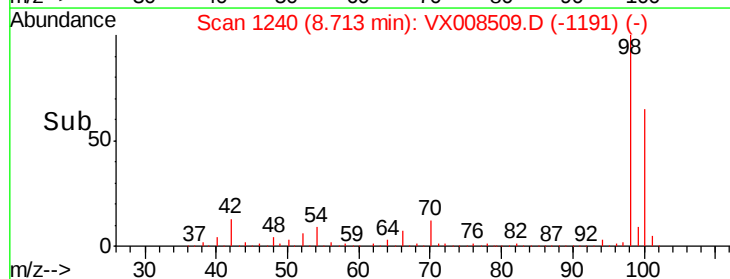
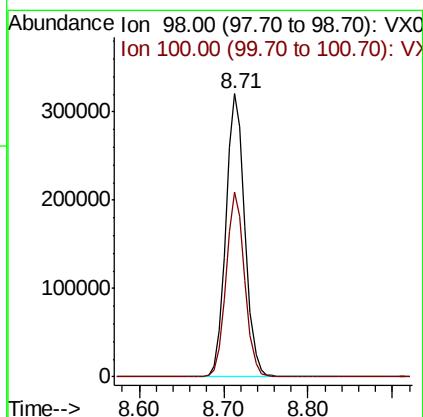
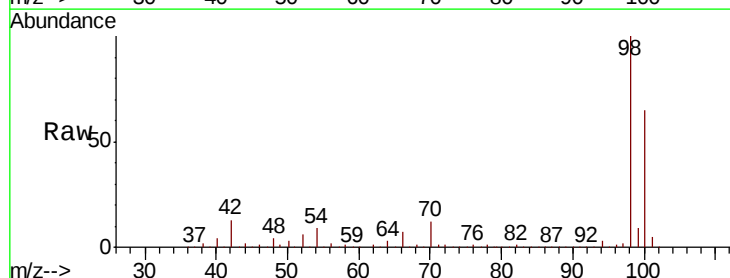
Instrument :
MSVOA_X
ClientSampled :
VX0328WBL01

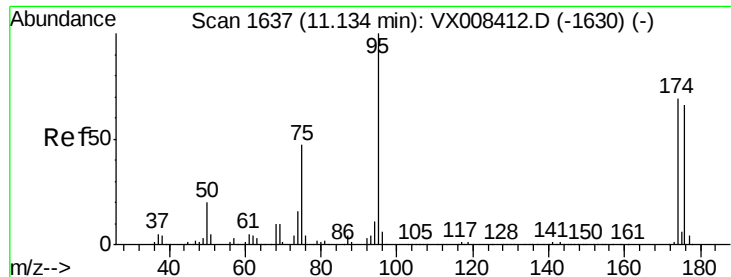
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 250.0 28.6 43.0#
58 455.0 63.0 94.4#



#50
Toluene-d8
Concen: 48.039 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

Tgt Ion: 98 Resp: 493968
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7

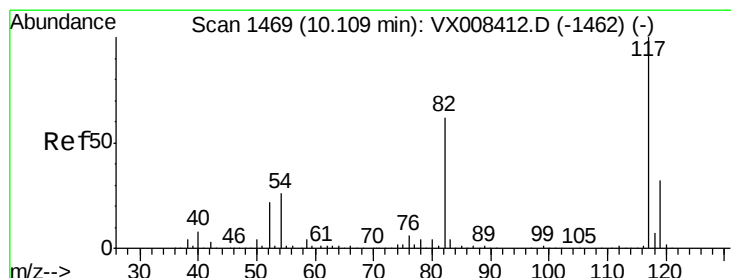
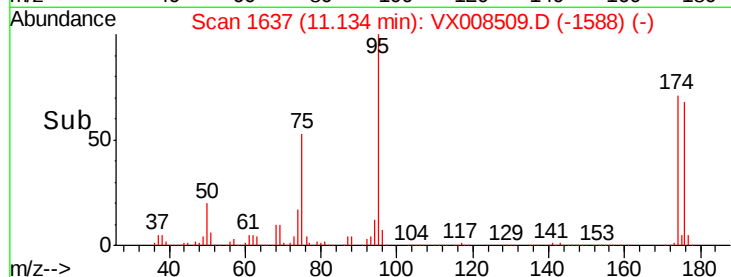
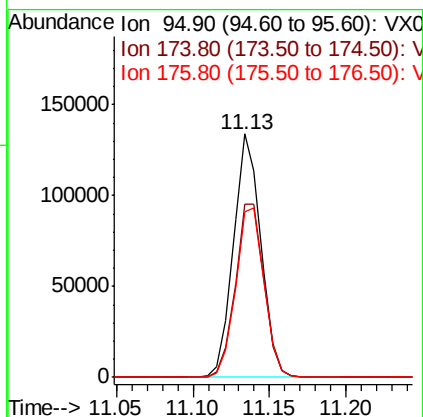
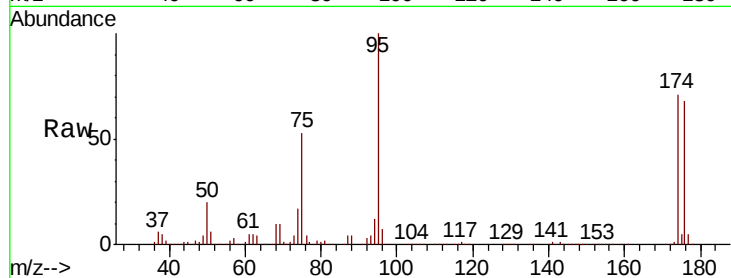




#62
4-Bromofluorobenzene
Concen: 43.510 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

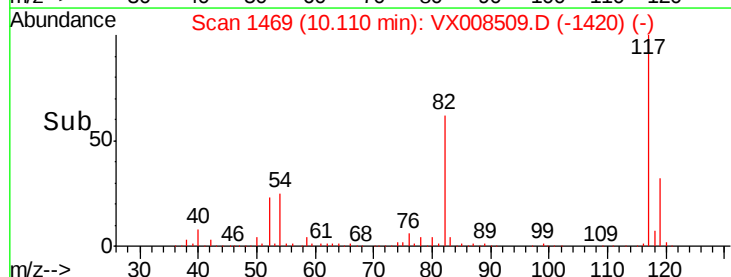
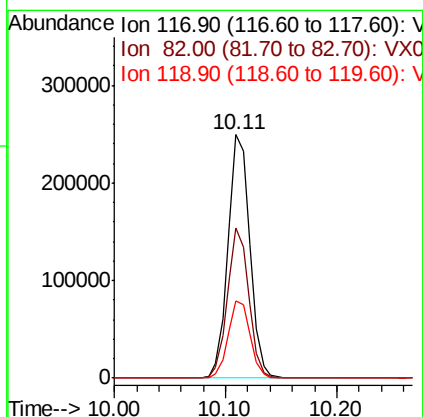
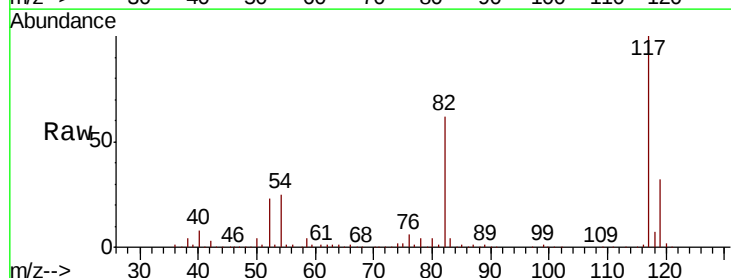
Instrument :
MSVOA_X
ClientSampleId :
VX0328WBL01

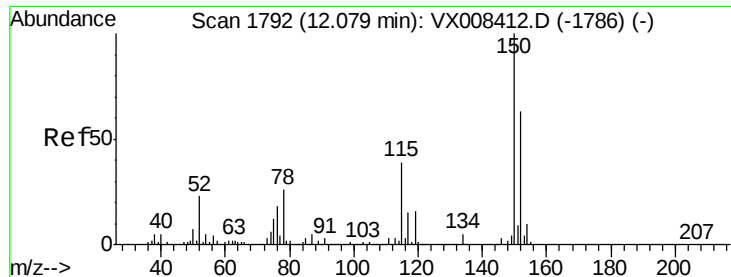
Tot Ion: 95 Resp: 165790
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.2
176 72.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008509.D
Acq: 28 Mar 2019 11:01

Tgt Ion: 117 Resp: 337985
Ion Ratio Lower Upper
117 100
82 61.5 49.4 74.2
119 31.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008509.D

Acq: 28 Mar 2019 11:01

Instrument :

MSVOA_X

ClientSampled :

VX0328WBL01

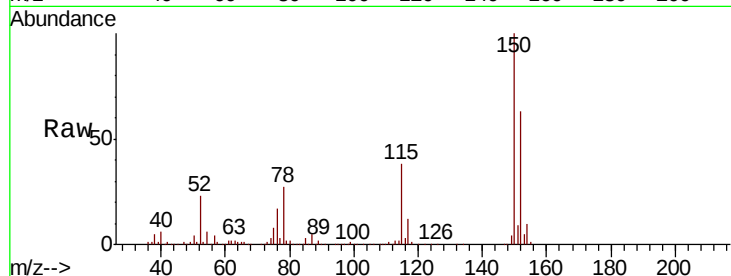
Tot Ion:152 Resp: 137436

Ion Ratio Lower Upper

152 100

115 60.7 43.5 130.5

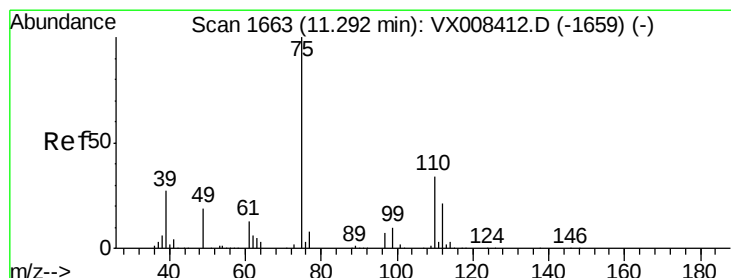
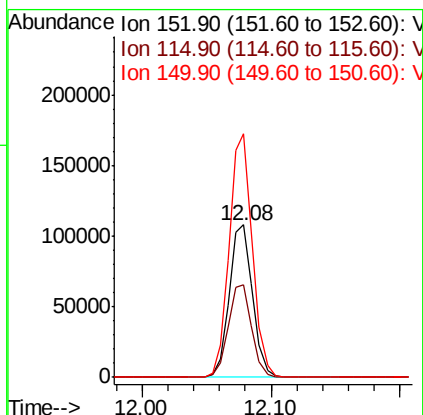
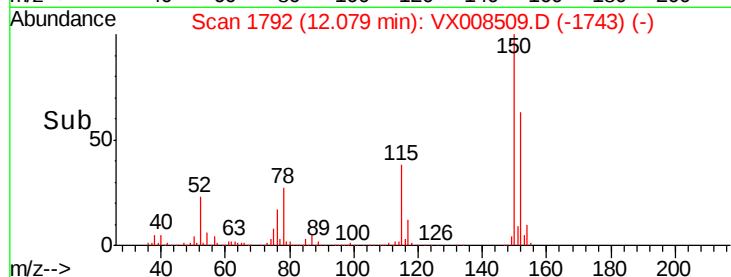
150 157.8 0.0 348.8



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: 20.726 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008509.D

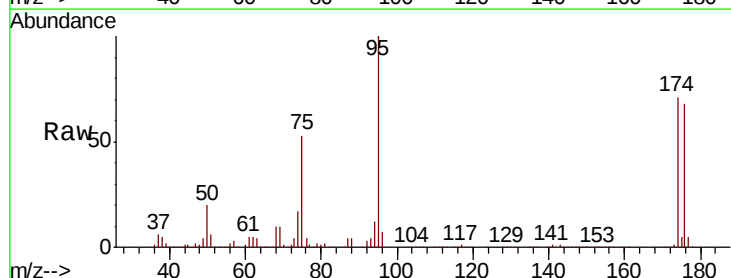
Acq: 28 Mar 2019 11:01

Tgt Ion: 75 Resp: 84683

Ion Ratio Lower Upper

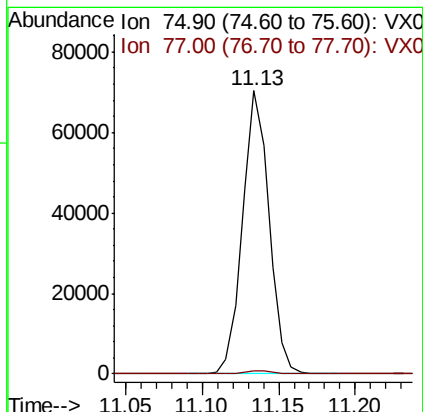
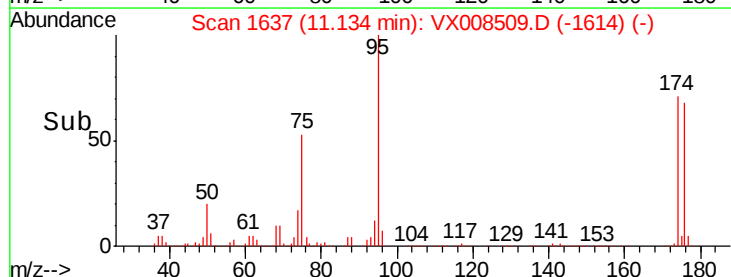
75 100

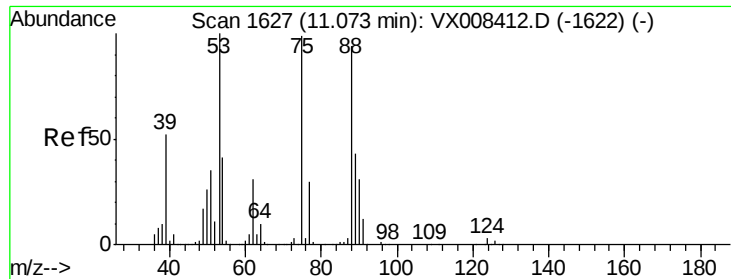
77 1.3 21.9 65.7#



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: 66.382 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008509.D

Acq: 28 Mar 2019 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0328WBL01

Tot Ion: 75 Resp: 84683

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#

