

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009154.D
 Acq On : 25 Apr 2019 11:51
 Operator : JC/SP
 Sample : VX0425MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

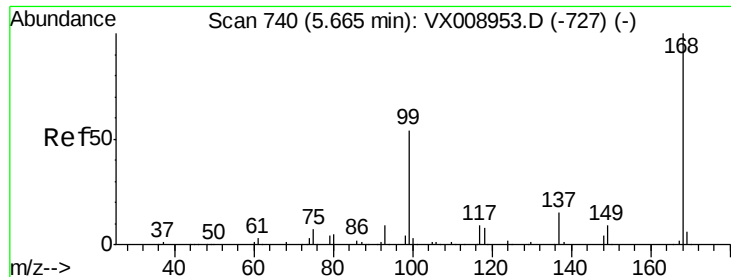
Quant Time: Apr 26 04:22:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	213203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	342566	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	292415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123269	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	140072	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
35) Dibromofluoromethane	5.49	113	104758	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
50) Toluene-d8	8.71	98	422597	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.13	95	138710	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	640	4.170	ug/l #	51
6) Chloroethane	1.67	64	4113	2.384	ug/l #	56
10) Methyl Iodide	2.51	142	418	4.574	ug/l #	79
11) Tert butyl alcohol	3.01	59	225	0.337	ug/l #	72
13) Acrolein	2.28	56	346	0.600	ug/l #	61
15) Acrylonitrile	3.14	53	716	0.423	ug/l #	90
16) Acetone	2.43	43	511	0.328	ug/l	91
17) Carbon Disulfide	2.57	76	1680	1.496	ug/l #	92
20) Methylene Chloride	2.86	84	629	0.236	ug/l #	68
28) Bromochloromethane	5.02	49	73	Below Cal	#	21
36) 1,1-Dichloropropene	5.65	75	16575	4.678	ug/l #	50
38) Carbon Tetrachloride	5.65	117	20509	6.828	ug/l #	18
49) 1,4-Dioxane	7.76	88	69	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	70479	23.415	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70479	60.113	ug/l #	11
95) Naphthalene	13.84	128	1893	0.201	ug/l #	94

(#) = 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. -0.01 min

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Acq: 25 Apr 2019 11:51

Instrument :

MSVOA_X

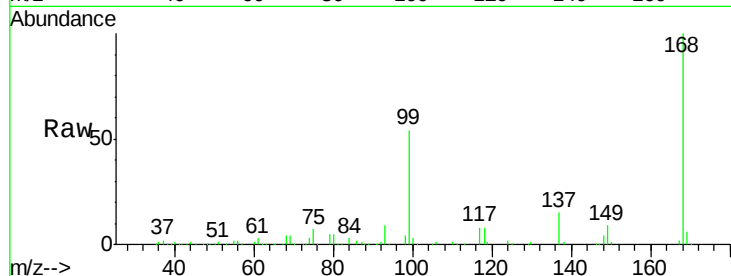
ClientSampleId :

Tot Ion:168 Resp: 213203

Ion Ratio Lower Upper

168 100

99 54.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

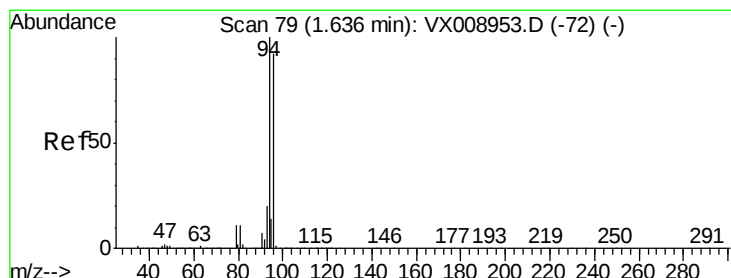
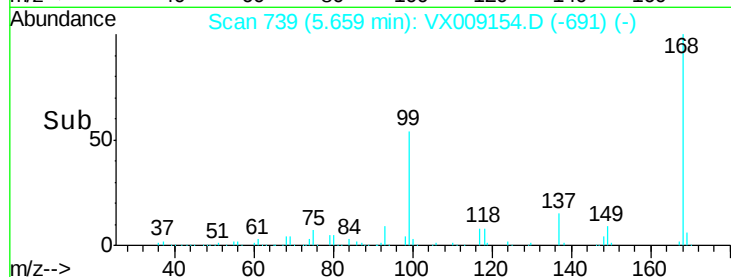
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.170 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009154.D

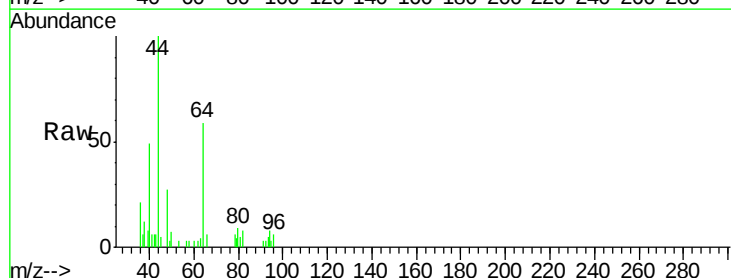
Acq: 25 Apr 2019 11:51

Tgt Ion: 94 Resp: 640

Ion Ratio Lower Upper

94 100

96 46.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

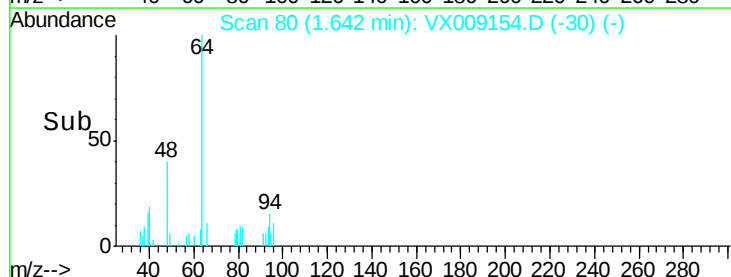
150

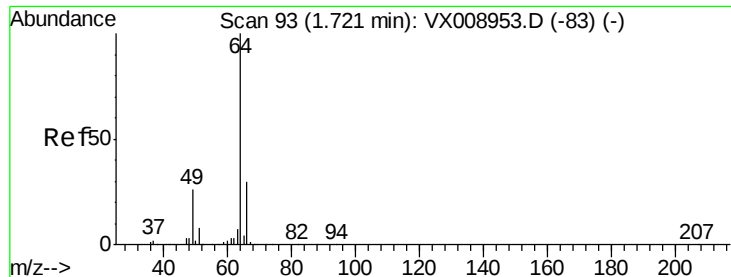
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 2.384 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX009154.D

Acq: 25 Apr 2019 11:51

Instrument :

MSVOA_X

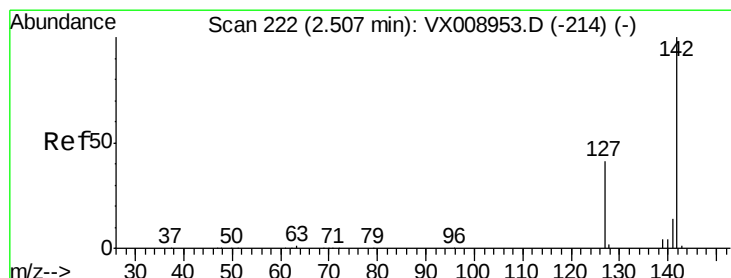
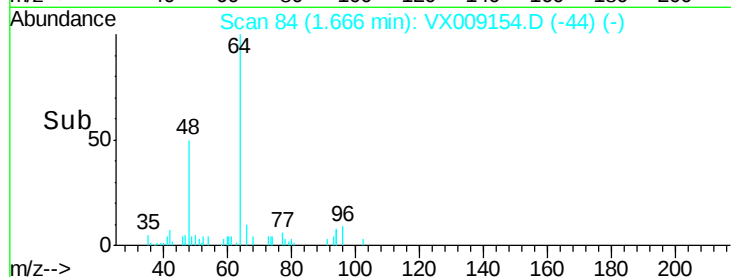
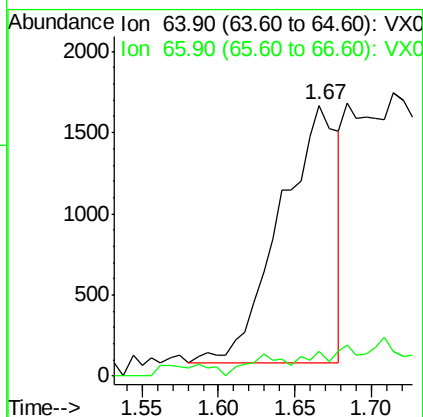
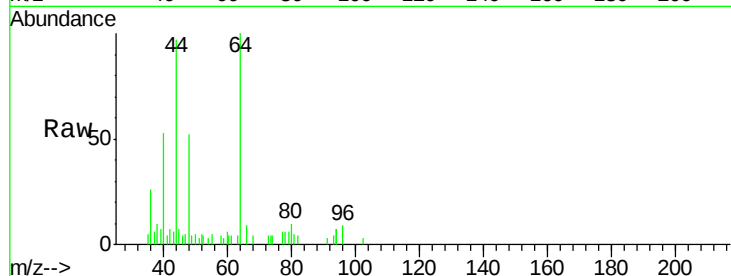
ClientSampleId :

Tot Ion: 64 Resp: 4113

Ion Ratio Lower Upper

64 100

66 6.5 24.2 36.2#



#10

Methyl Iodide

Concen: 4.574 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009154.D

Acq: 25 Apr 2019 11:51

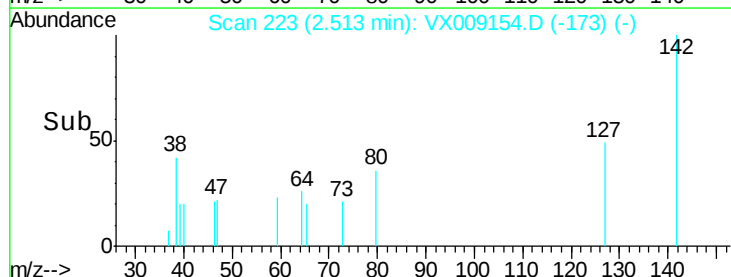
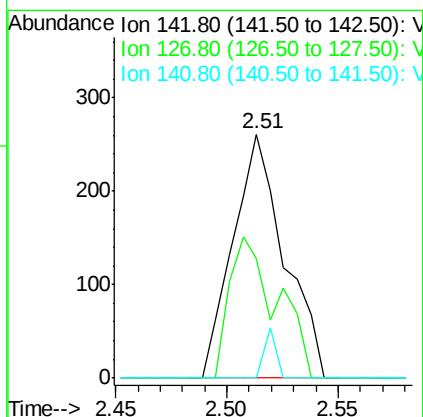
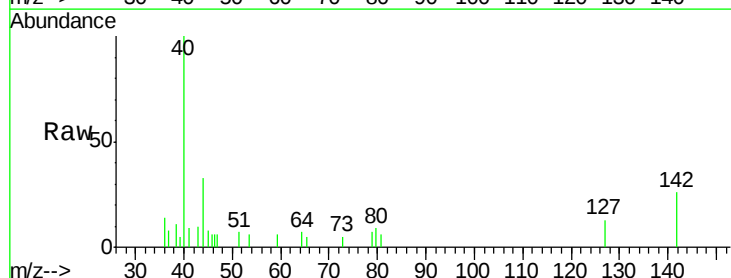
Tgt Ion: 142 Resp: 418

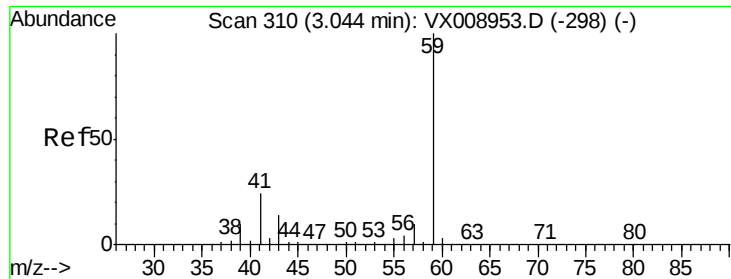
Ion Ratio Lower Upper

142 100

127 53.3 32.8 49.2#

141 4.8 11.4 17.2#

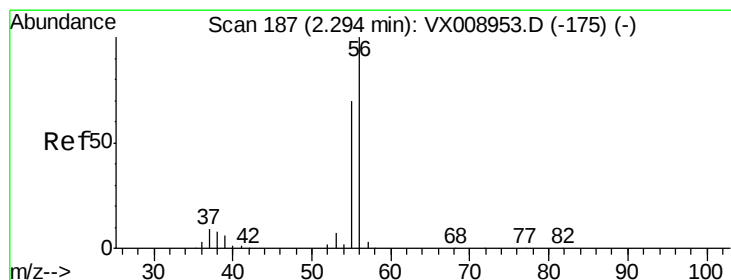
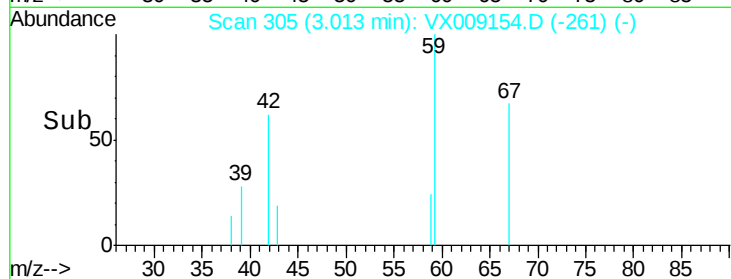
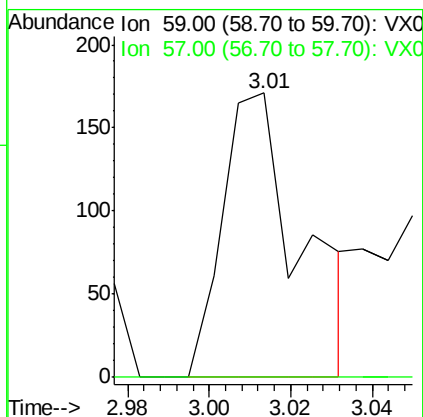
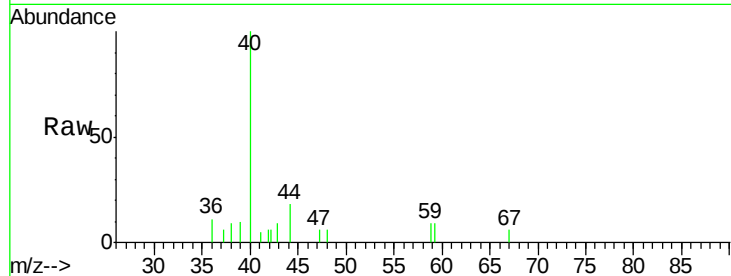




#11
Tert butyl alcohol
Concen: 0.337 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.03 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

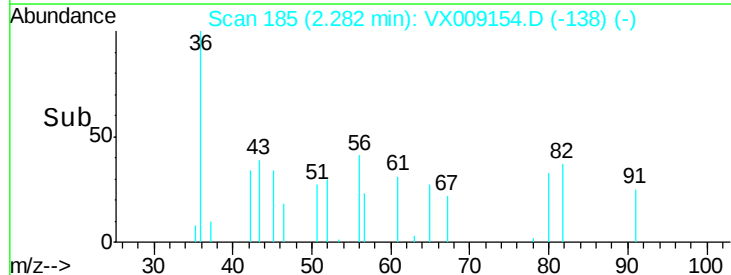
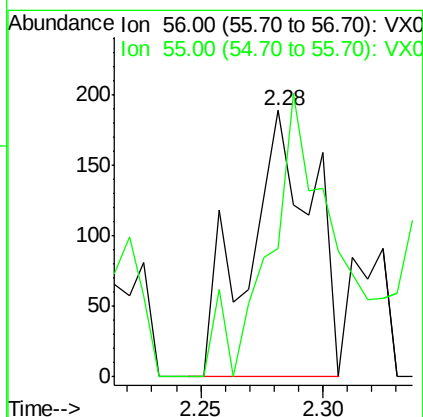
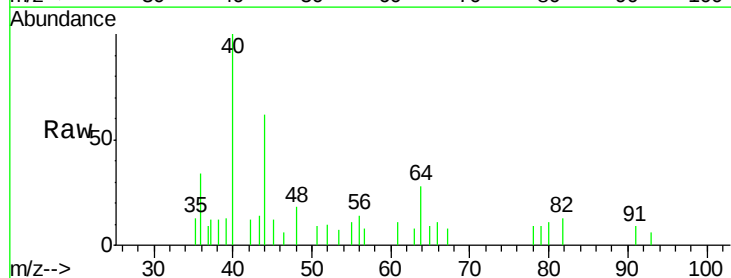
Instrument :
MSVOA_X
ClientSampled :

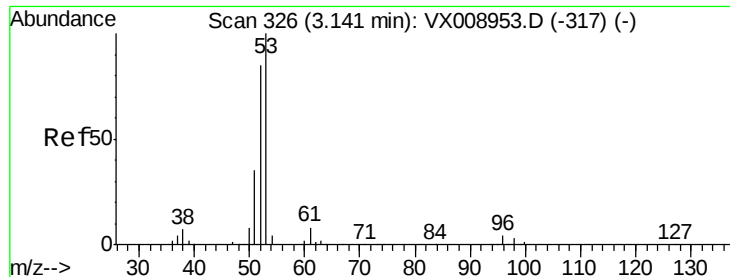
Tot Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 0.600 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
55 102.9 56.6 84.8#





#15

Acrylonitrile

Concen: 0.423 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009154.D

Acq: 25 Apr 2019 11:51

Instrument :

MSVOA_X

ClientSampleId :

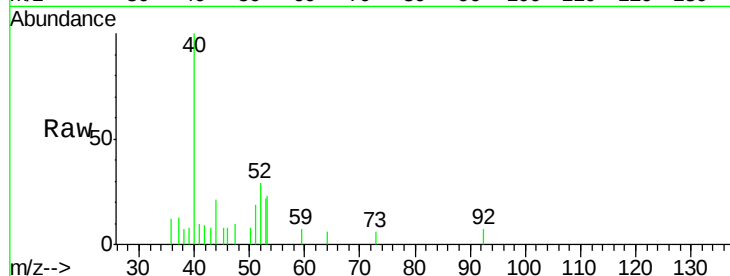
Tot Ion: 53 Resp: 716

Ion Ratio Lower Upper

53 100

52 79.1 66.6 100.0

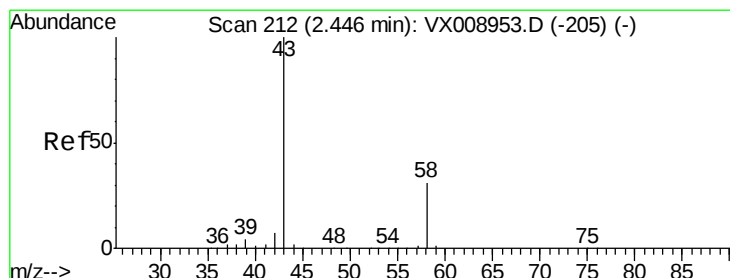
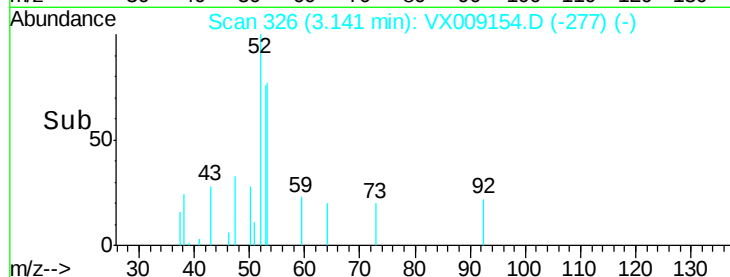
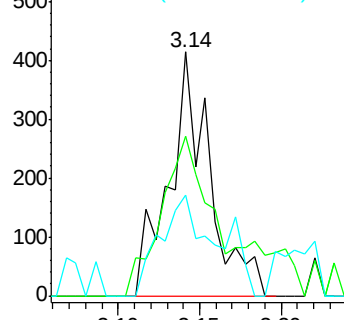
51 48.0 28.3 42.5#



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: 0.328 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX009154.D

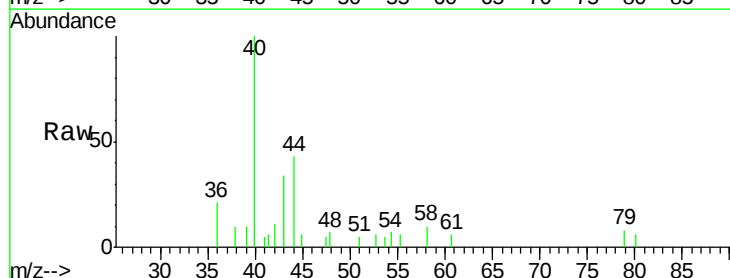
Acq: 25 Apr 2019 11:51

Tgt Ion: 43 Resp: 511

Ion Ratio Lower Upper

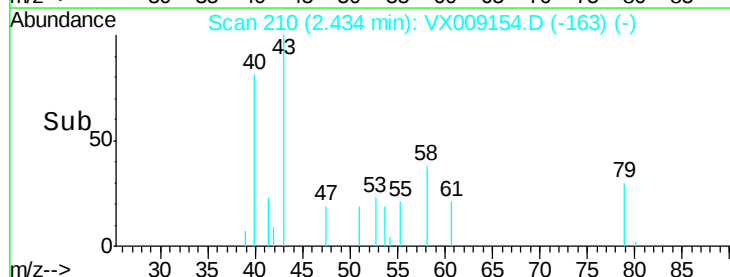
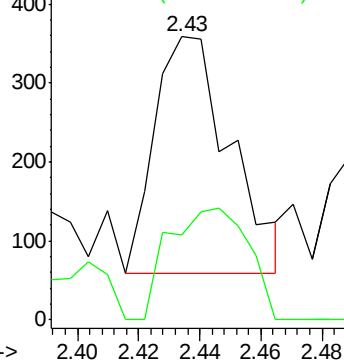
43 100

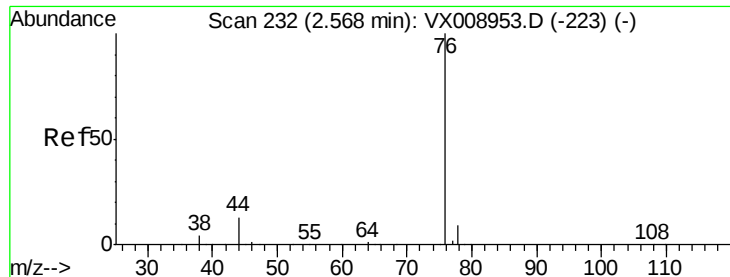
58 35.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.496 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009154.D

Acq: 25 Apr 2019 11:51

Instrument :

MSVOA_X

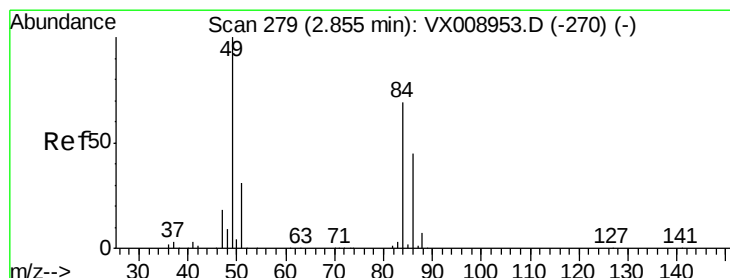
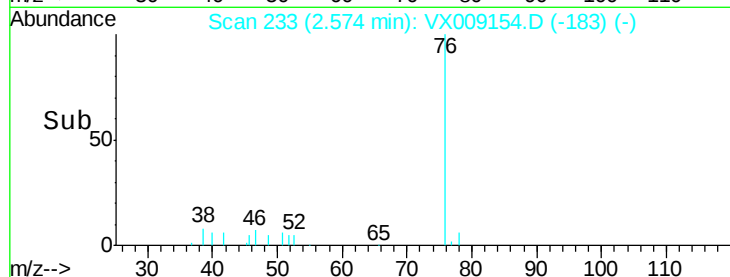
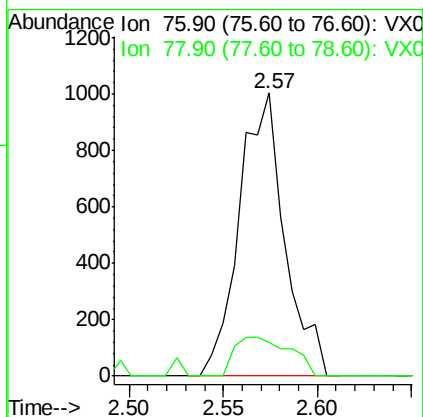
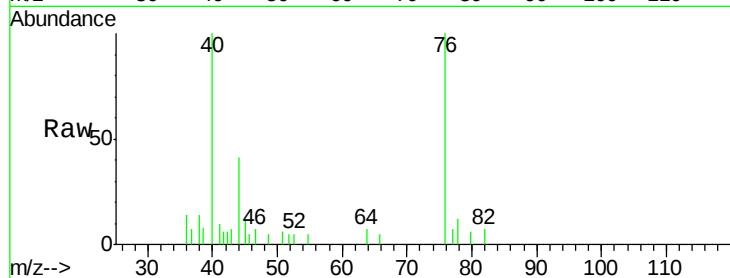
ClientSampled :

Tot Ion: 76 Resp: 1680

Ion Ratio Lower Upper

76 100

78 11.9 7.2 10.8#



#20

Methylene Chloride

Concen: 0.236 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009154.D

Acq: 25 Apr 2019 11:51

Tgt Ion: 84 Resp: 629

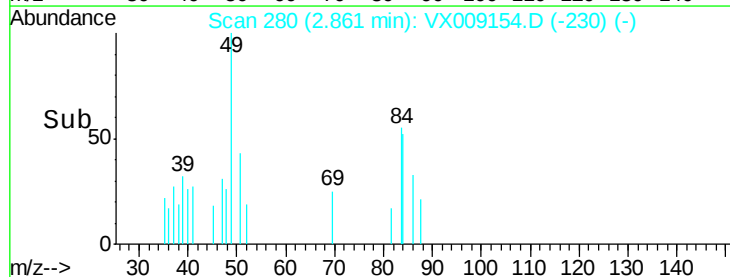
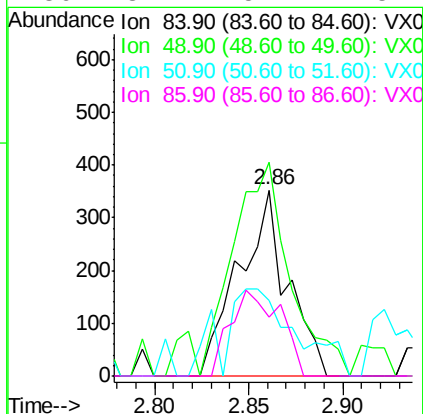
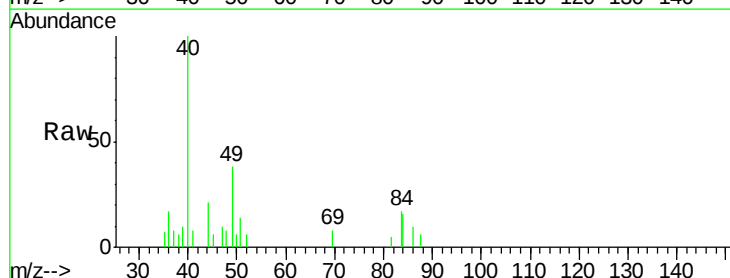
Ion Ratio Lower Upper

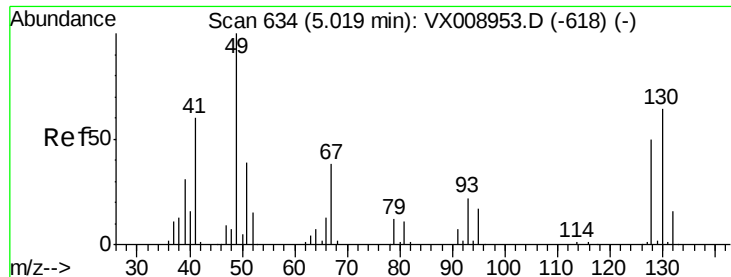
84 100

49 100.0 115.4 173.0#

51 40.8 35.8 53.6

86 31.4 52.1 78.1#

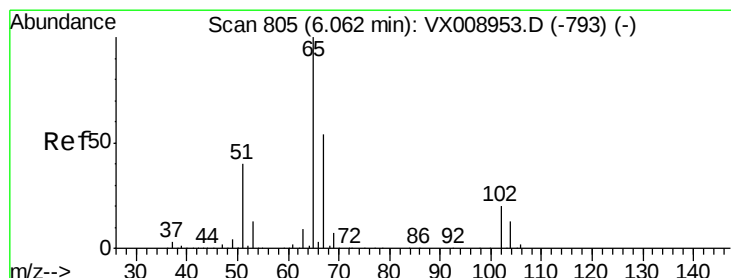
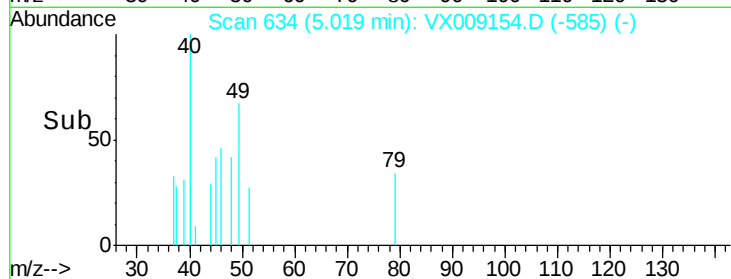
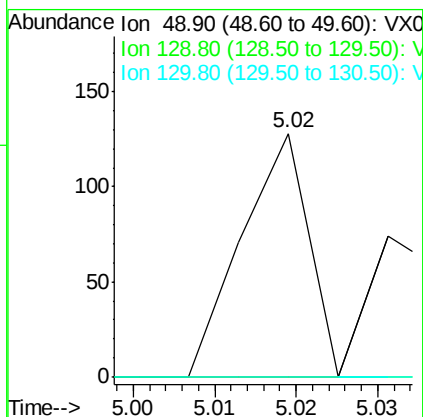
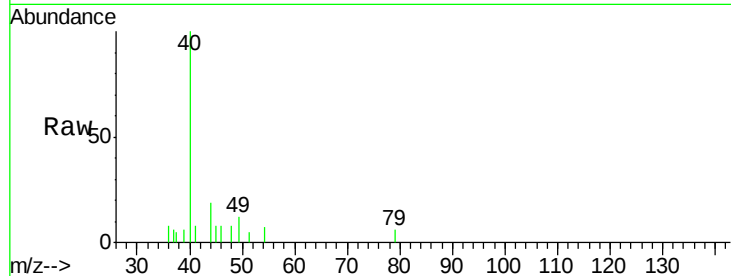




#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

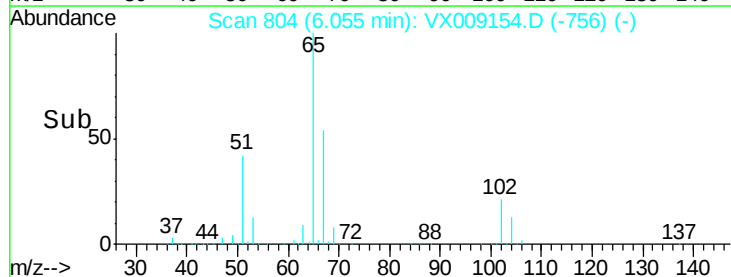
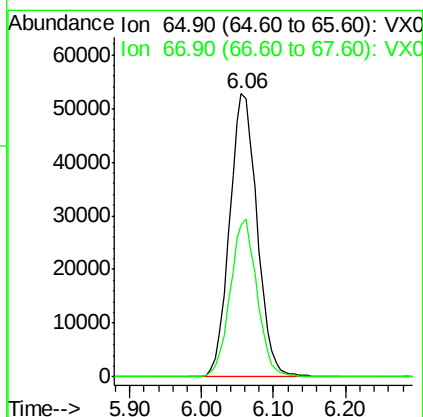
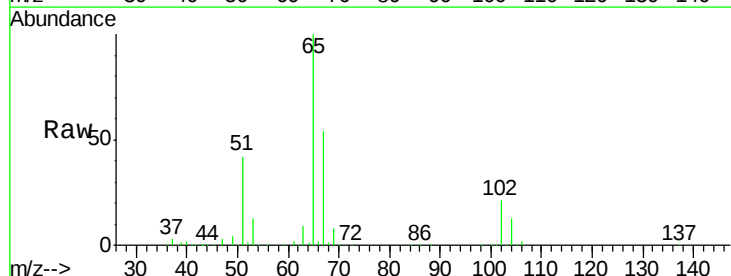
Instrument :
MSVOA_X
ClientSampleId :

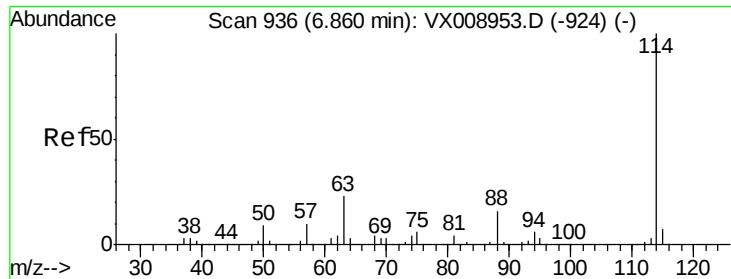
Tot Ion: 49 Resp: 73
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



#33
1,2-Dichloroethane-d4
Concen: 46.619 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.01 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

Tgt Ion: 65 Resp: 140072
Ion Ratio Lower Upper
65 100
67 54.2 0.0 108.6

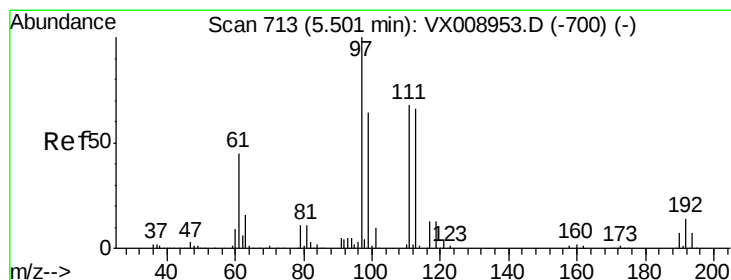
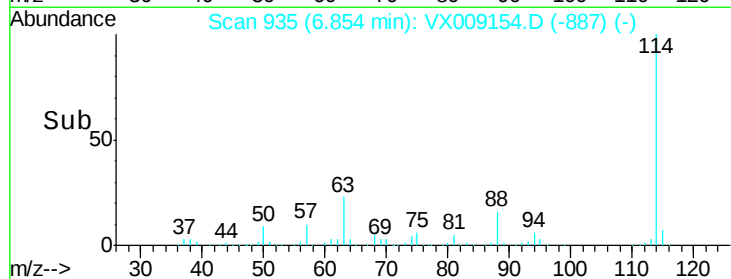
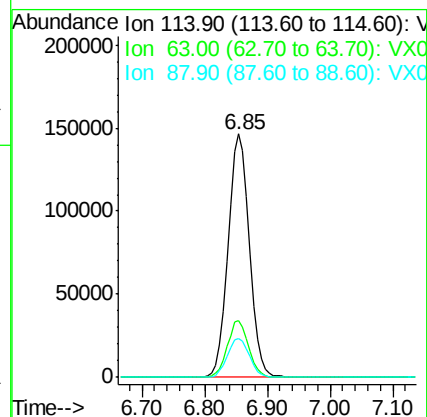
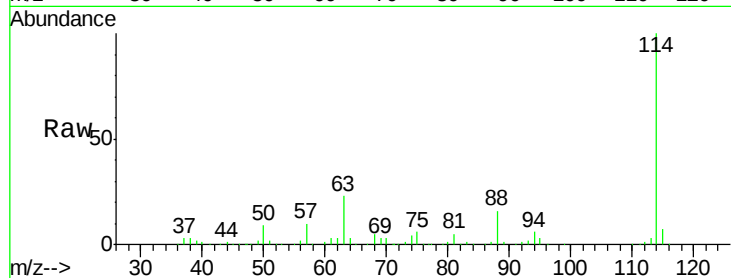




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

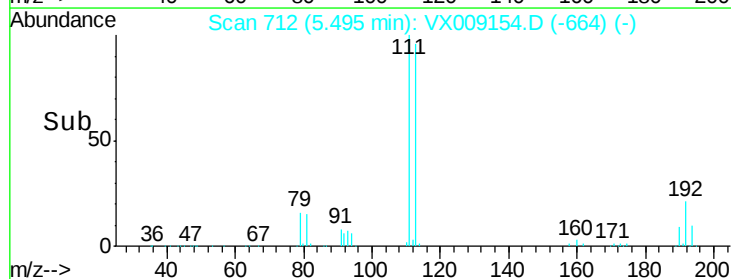
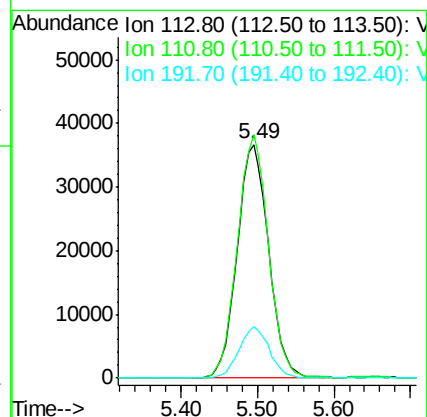
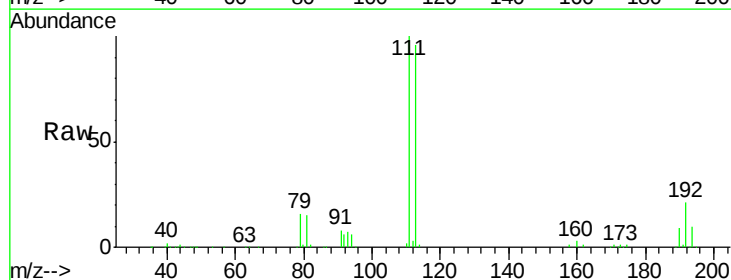
Instrument :
MSVOA_X
ClientSampleId :

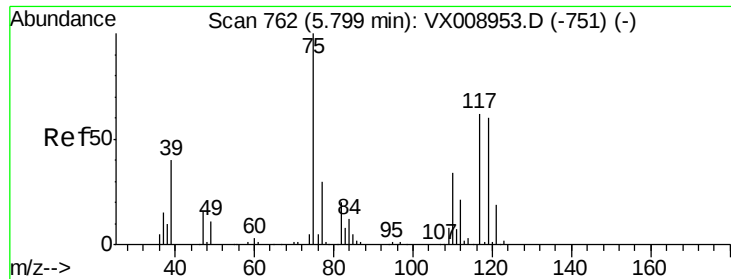
Tot Ion:114 Resp: 342566
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.0
88 16.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.650 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

Tgt Ion:113 Resp: 104758
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 21.5 17.4 26.0

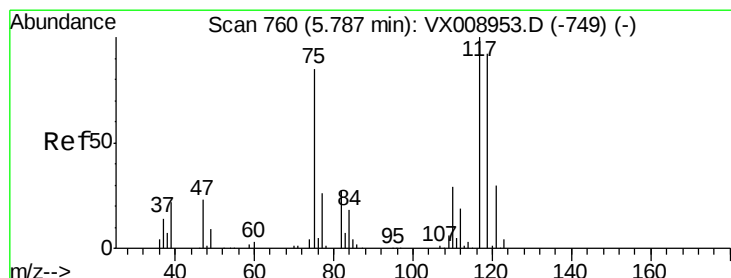
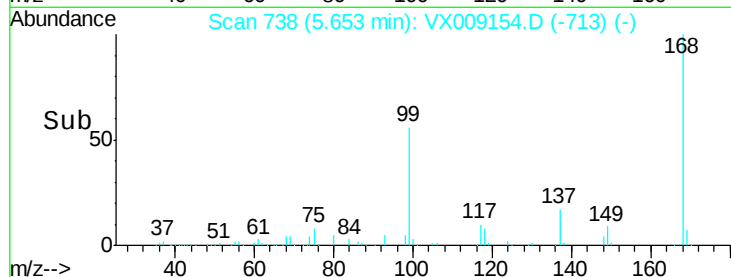
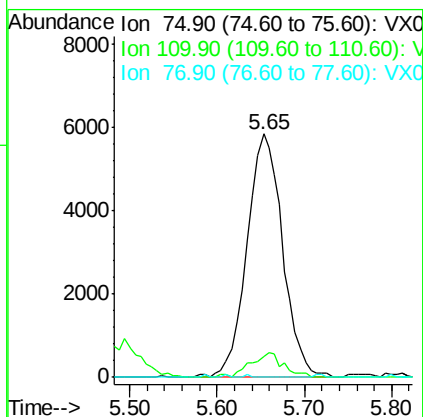
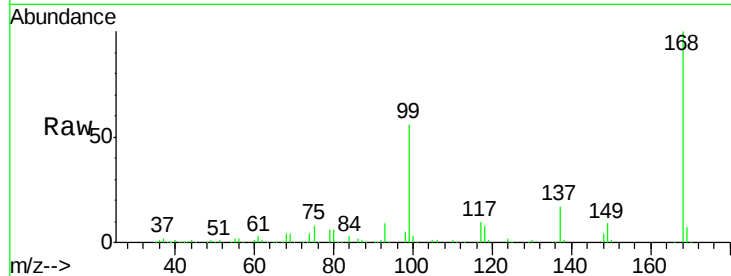




#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009154.D
 Acq: 25 Apr 2019 11:51

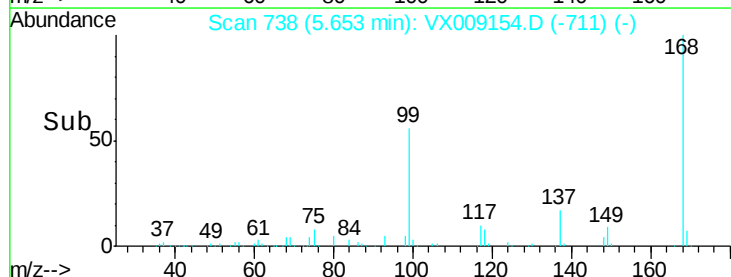
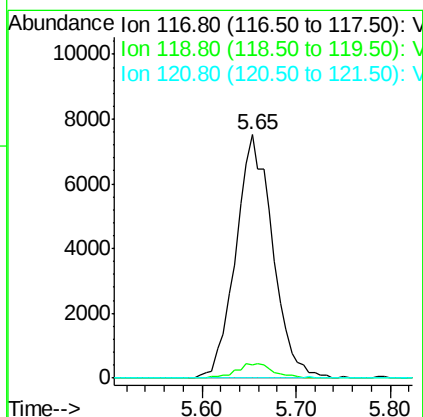
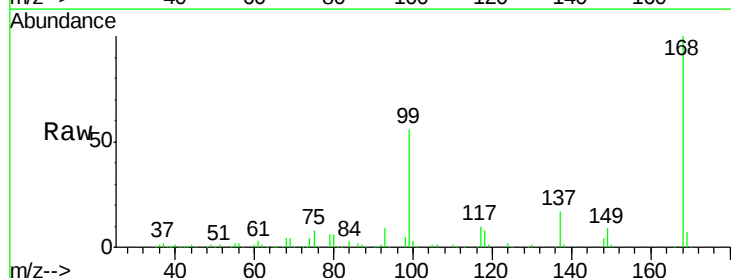
Instrument :
 MSVOA_X
 ClientSampleId :

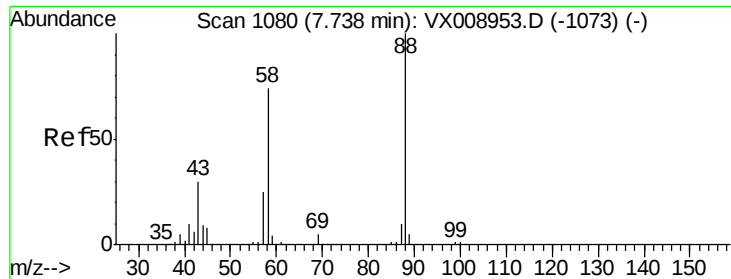
Tot Ion	75	Resp	16575
Ion Ratio	100	Lower	Upper
110	9.2	16.9	50.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.828 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX009154.D
 Acq: 25 Apr 2019 11:51

Tgt Ion	117	Resp	20509
Ion Ratio	100	Lower	Upper
119	5.2	73.8	110.8#
121	0.0	23.6	35.4#

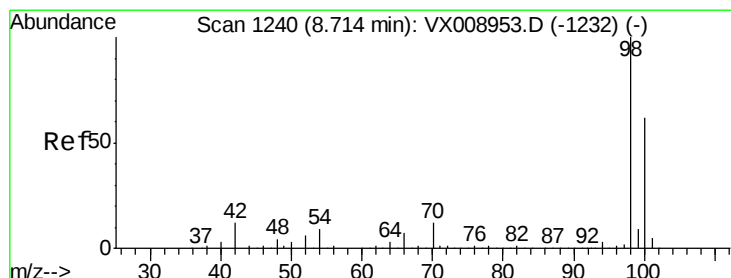
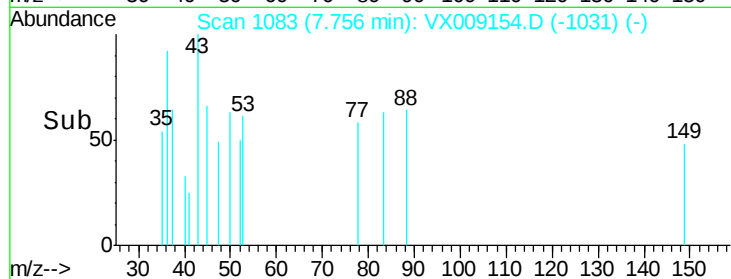
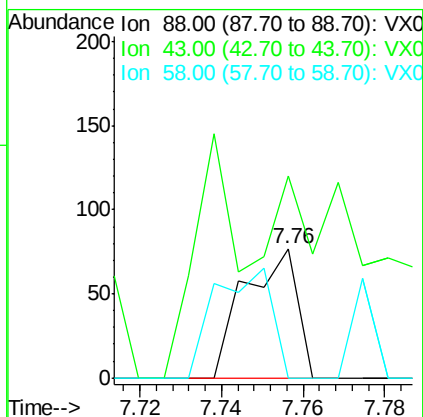
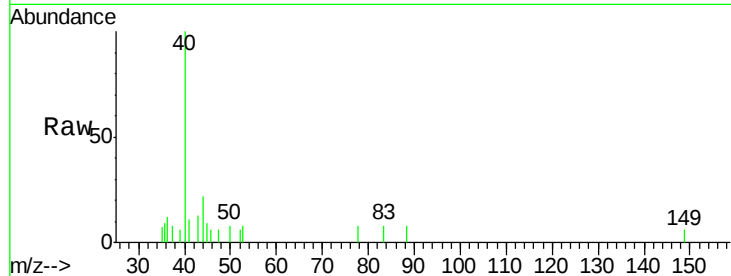




#49
 1,4-Dioxane
 Concen: 1.016 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.02 min
 Lab File: VX009154.D
 Acq: 25 Apr 2019 11:51

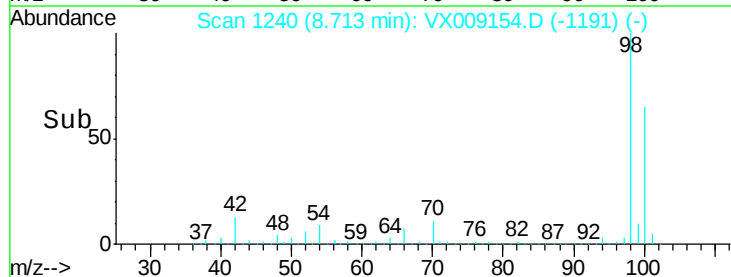
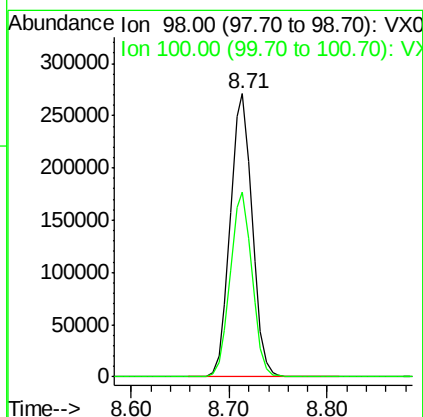
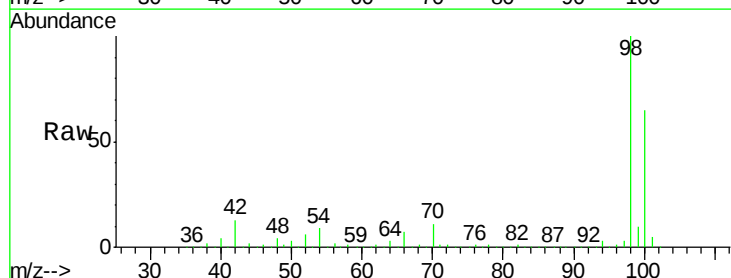
Instrument :
 MSVOA_X
 ClientSampleId :

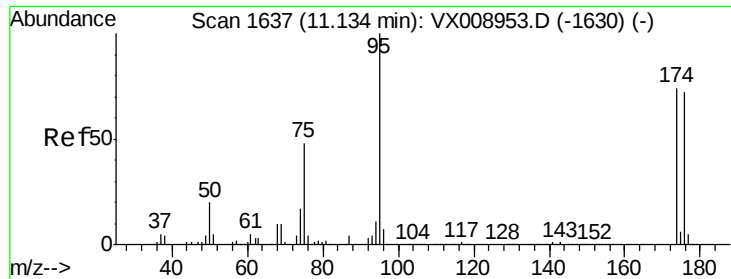
Tot Ion: 88 Resp: 69
 Ion Ratio Lower Upper
 88 100
 43 301.4 29.3 43.9#
 58 91.3 62.6 93.8



#50
 Toluene-d8
 Concen: 48.199 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009154.D
 Acq: 25 Apr 2019 11:51

Tgt Ion: 98 Resp: 422597
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.4 77.2

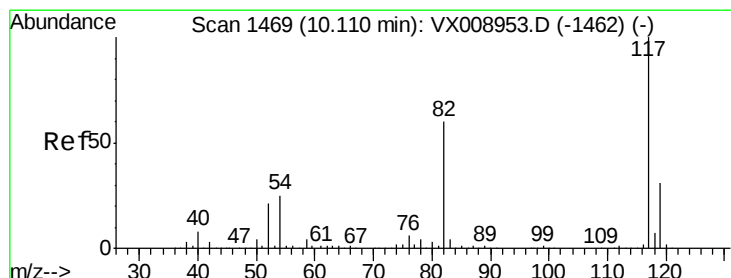
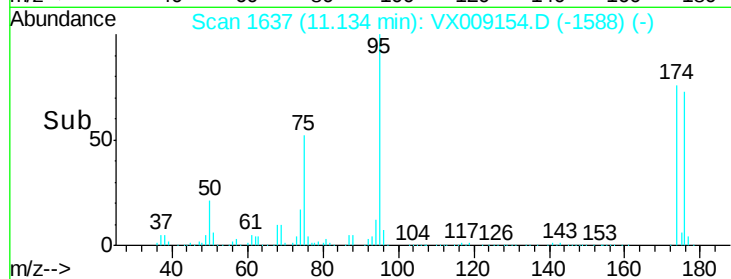
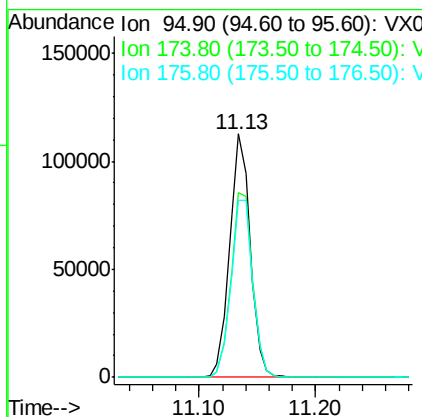
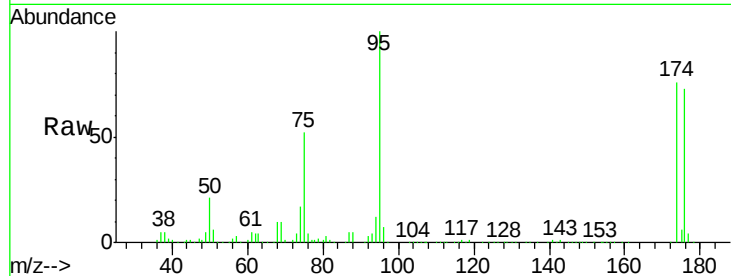




#62
4-Bromofluorobenzene
Concen: 44.817 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

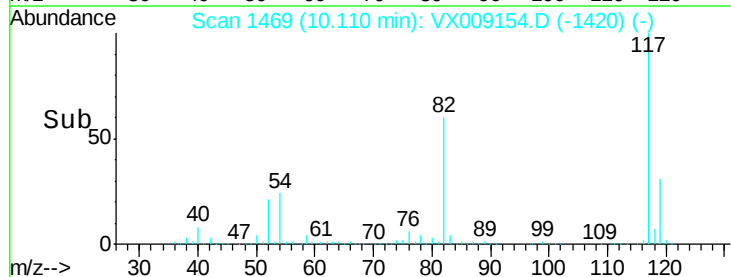
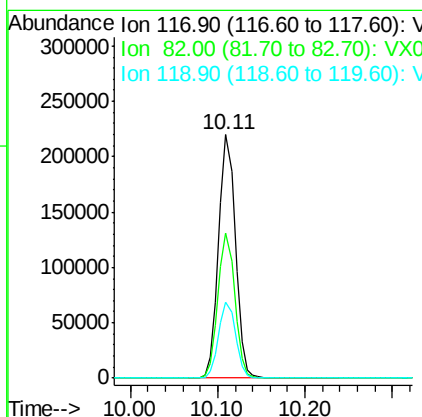
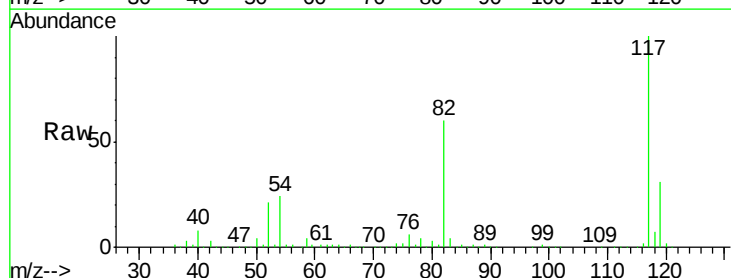
Instrument :
MSVOA_X
ClientSampleId :

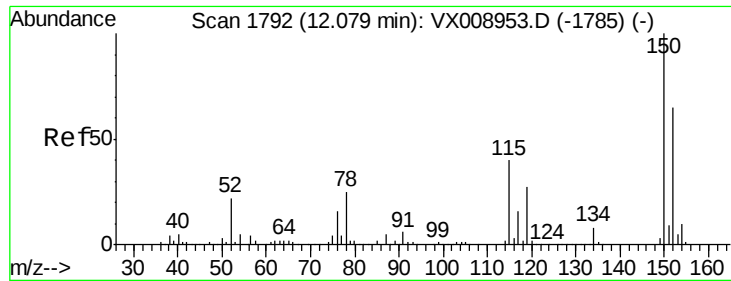
Tot Ion: 95 Resp: 138710
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.6
176 77.3 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

Tgt Ion: 117 Resp: 292415
Ion Ratio Lower Upper
117 100
82 59.7 48.2 72.4
119 31.1 25.0 37.6



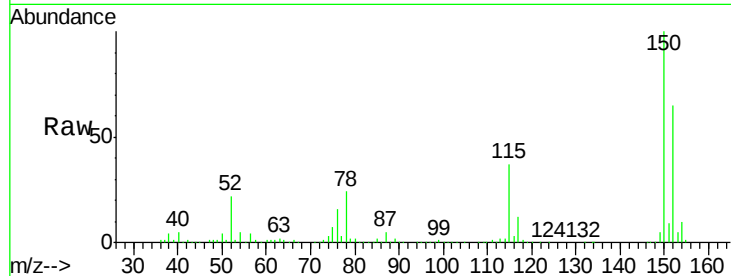


#72

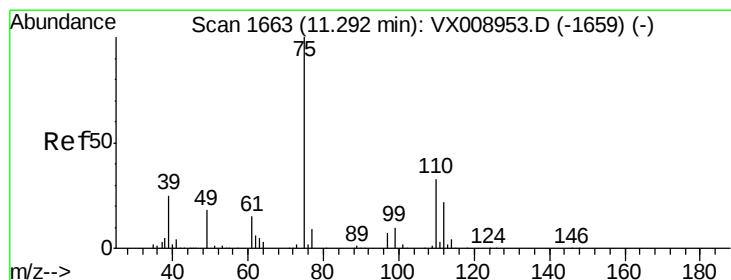
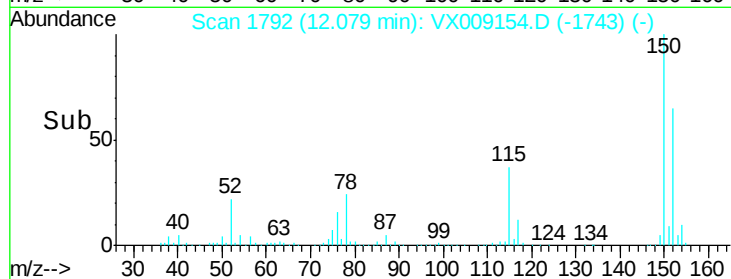
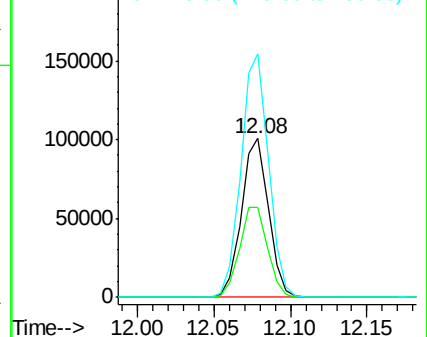
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 123269
Ion Ratio Lower Upper
152 100
115 59.4 41.4 124.2
150 155.5 0.0 349.8



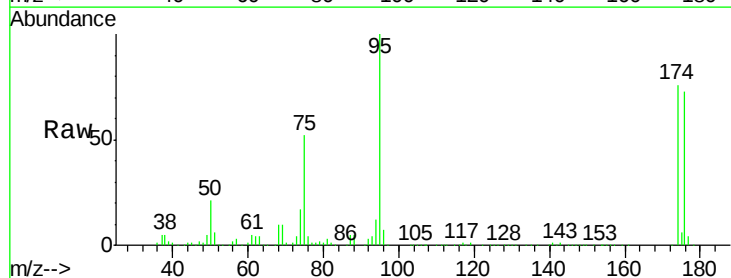
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



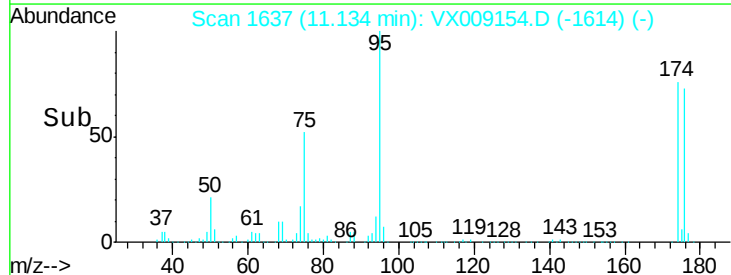
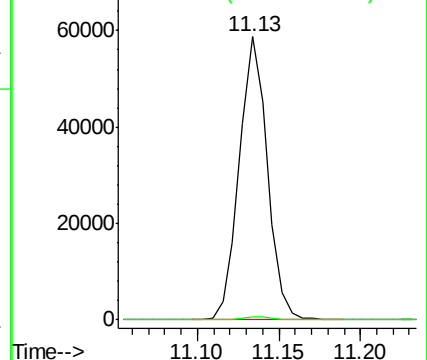
#76

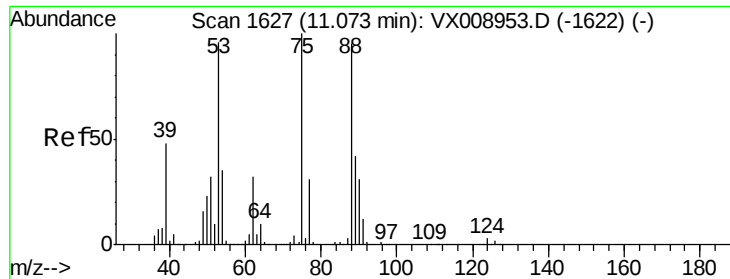
1,2,3-Trichloropropane
Concen: 23.415 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

Tgt Ion: 75 Resp: 70479
Ion Ratio Lower Upper
75 100
77 1.2 22.7 68.0#



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: 60.113 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009154.D

Acq: 25 Apr 2019 11:51

Instrument :

MSVOA_X

ClientSampleId :

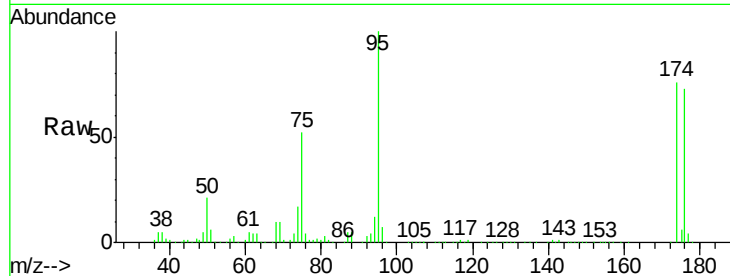
Tot Ion: 75 Resp: 70479

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

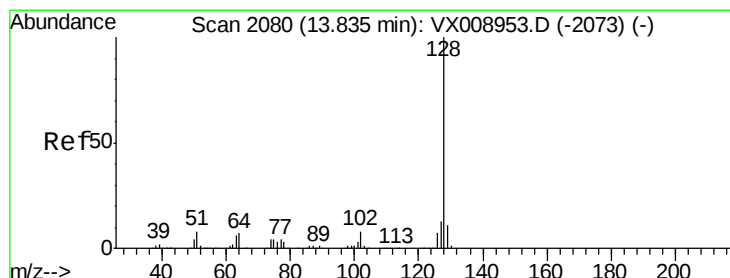
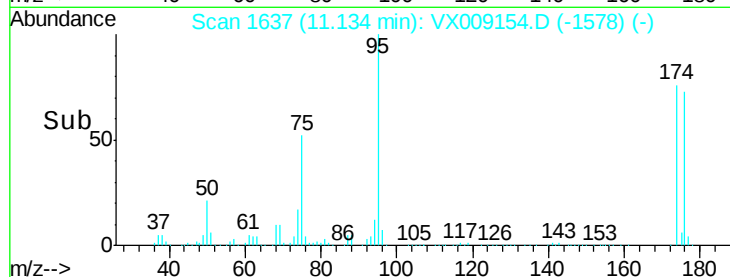
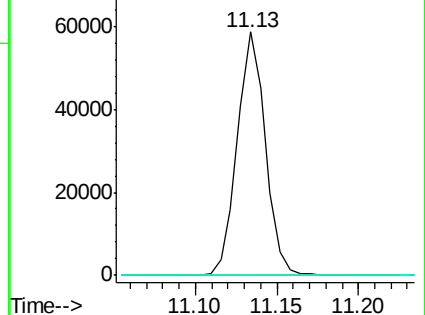
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX008953.D (-1622) (-)

Ion 53.00 (52.70 to 53.70): VX008953.D (-1622) (-)

Ion 88.90 (88.60 to 89.60): VX008953.D (-1622) (-)



#95

Naphthalene

Concen: 0.201 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX009154.D

Acq: 25 Apr 2019 11:51

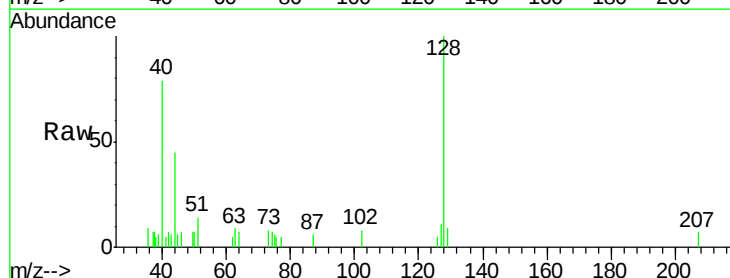
Tgt Ion: 128 Resp: 1893

Ion Ratio Lower Upper

128 100

127 16.9 10.6 16.0#

129 10.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VX008953.D (-2073) (-)

Ion 127.00 (126.70 to 127.70): VX008953.D (-2073) (-)

Ion 129.00 (128.70 to 129.70): VX008953.D (-2073) (-)

