

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 : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425MBL01

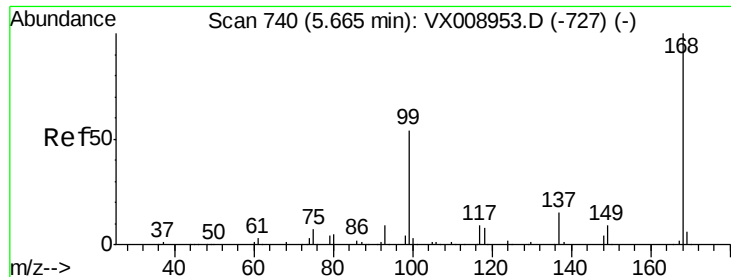
Quant Time: Apr 26 04:22:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

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

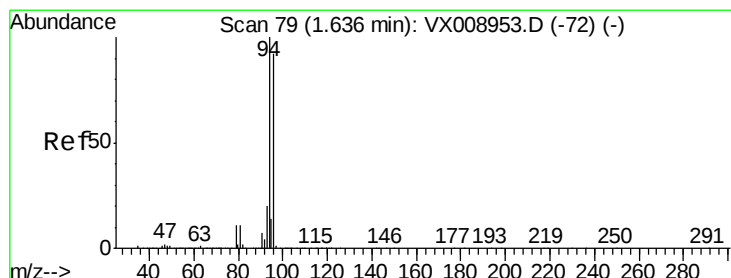
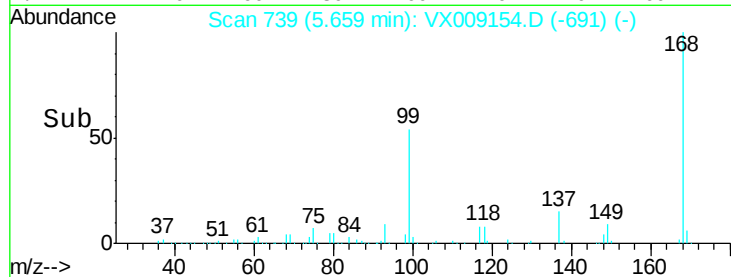
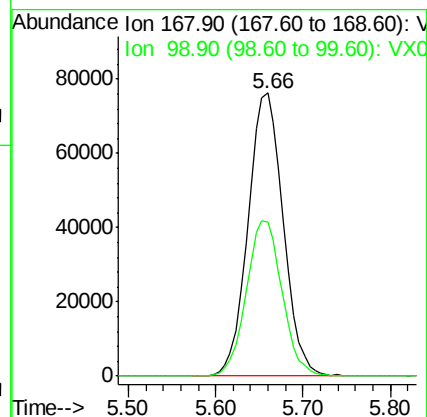
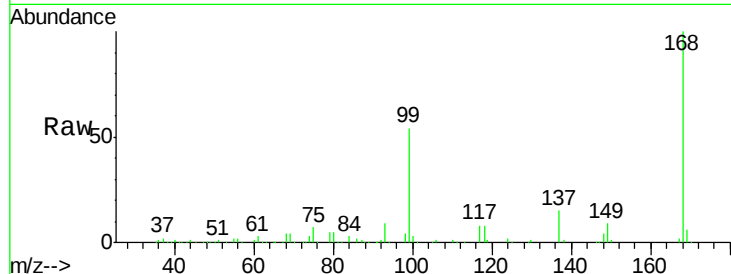
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

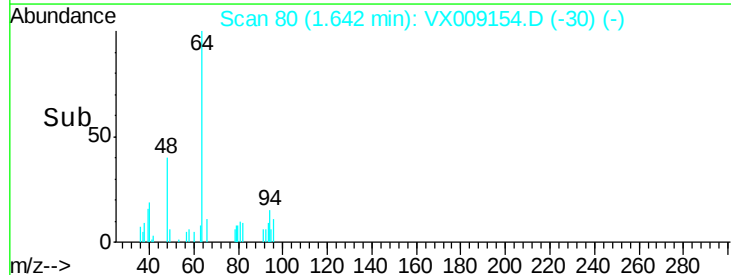
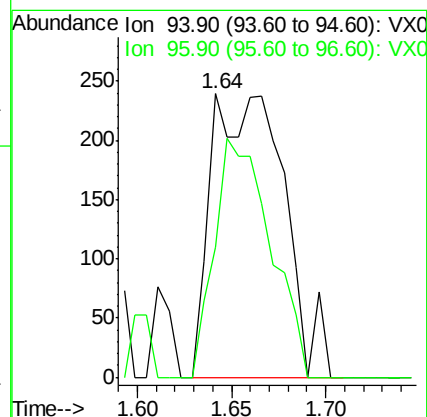
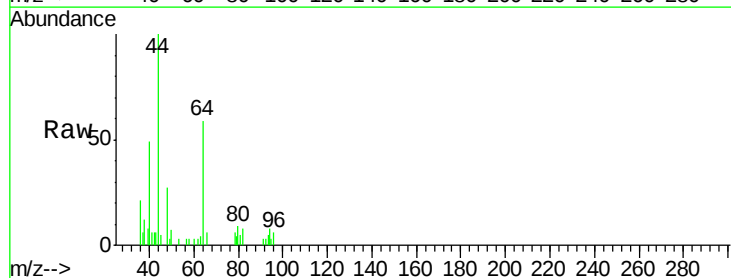
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

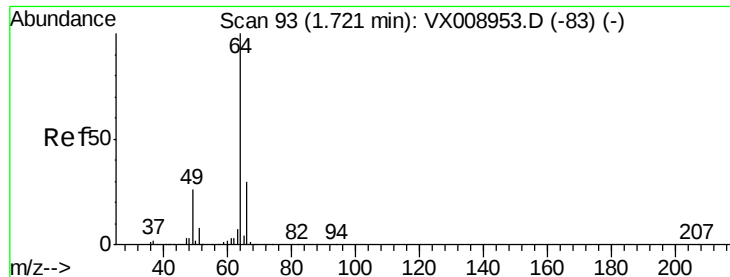
Tot Ion:168 Resp: 213203
Ion Ratio Lower Upper
168 100
99 54.3 43.0 64.6



#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#





#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 :

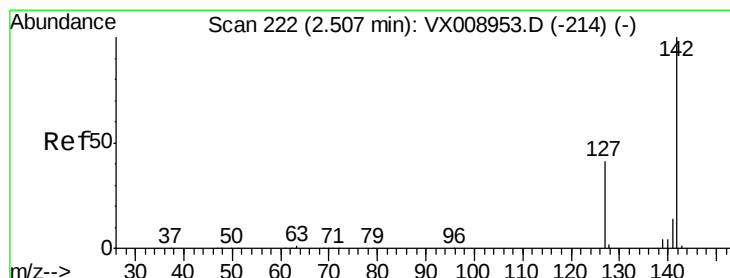
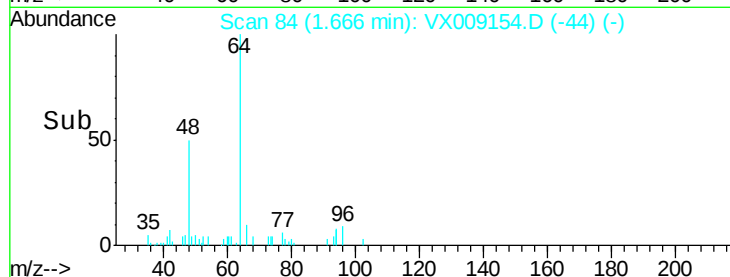
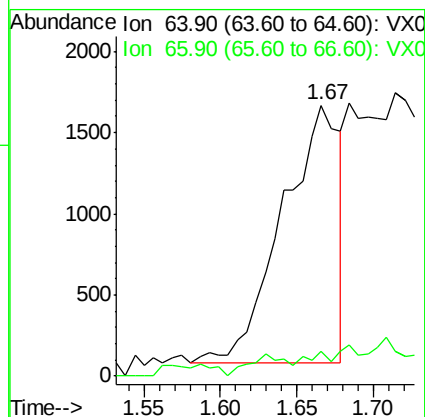
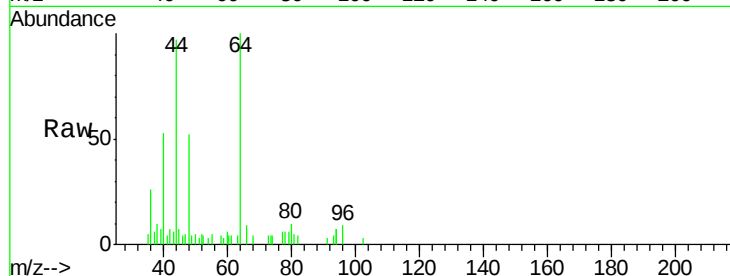
VX0425MBL01

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

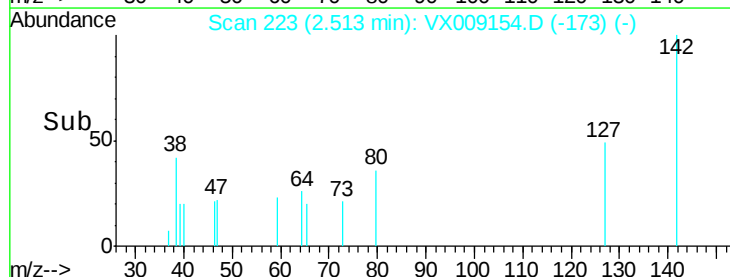
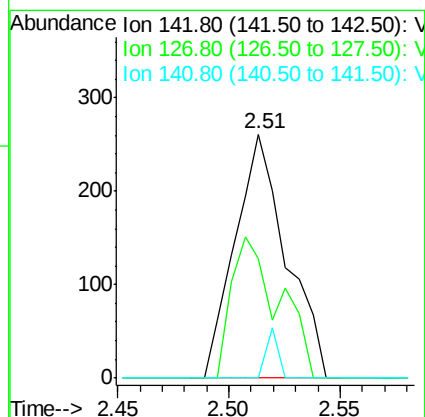
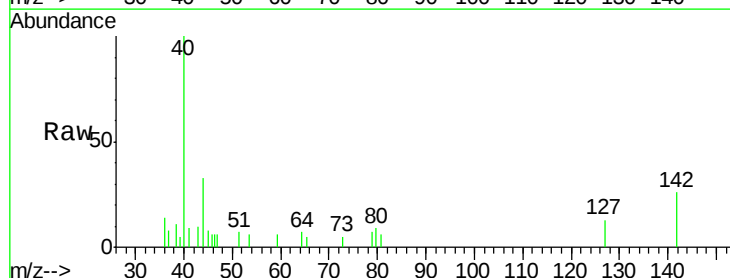
Tgt Ion: 142 Resp: 418

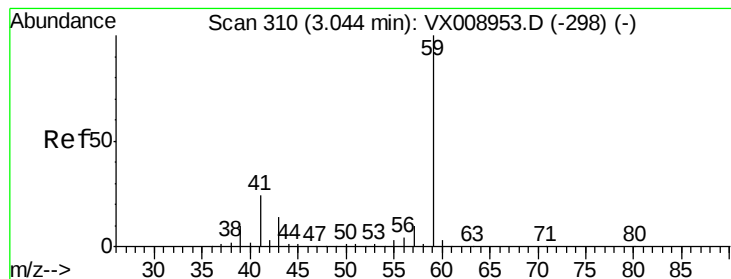
Ion Ratio Lower Upper

142 100

127 53.3 32.8 49.2#

141 4.8 11.4 17.2#



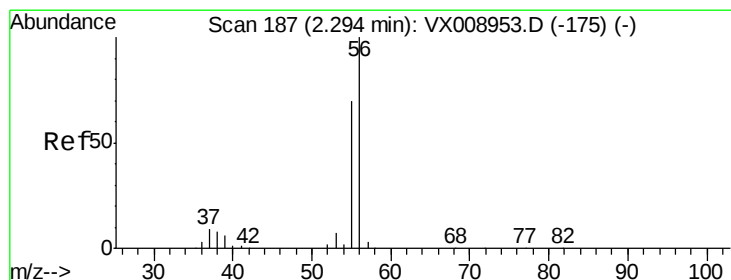
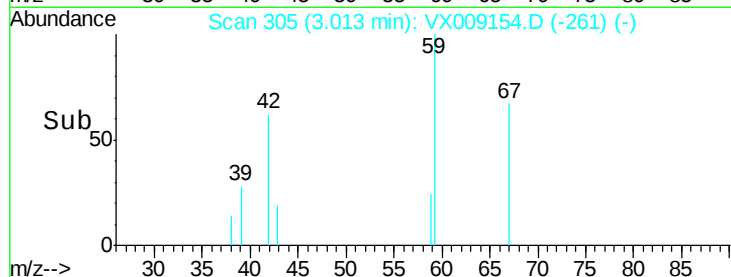
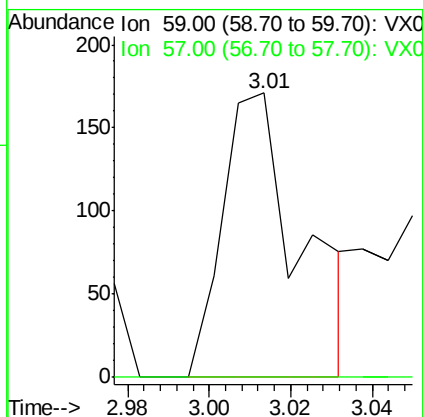
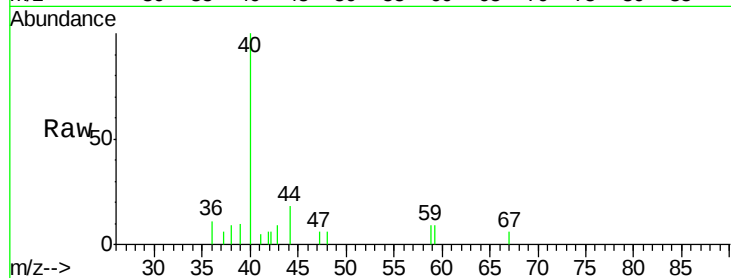


#11

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
 ClientSampleId :
 VX0425MBL01

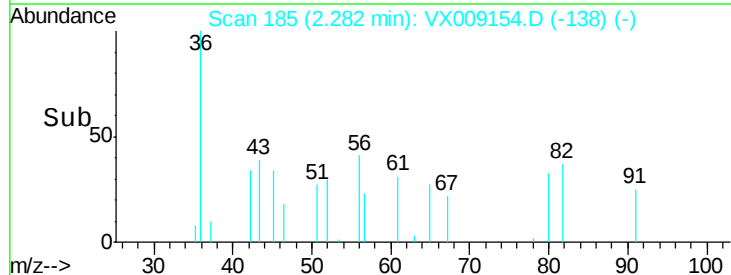
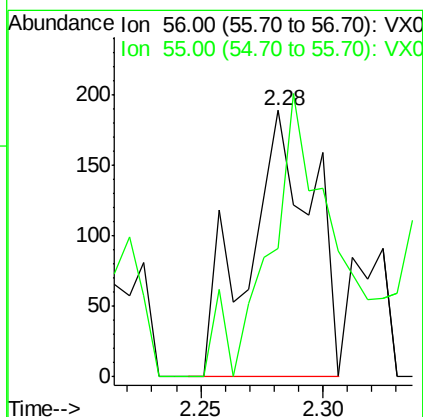
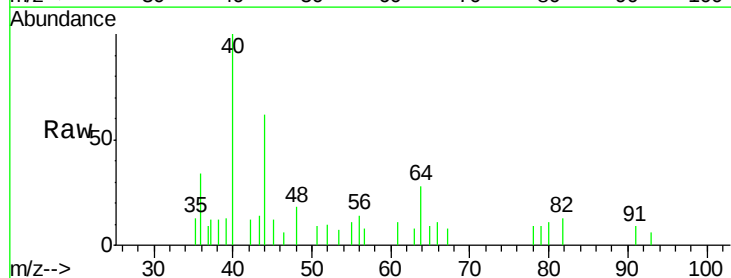
Tot Ion: 59 Resp: 225
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

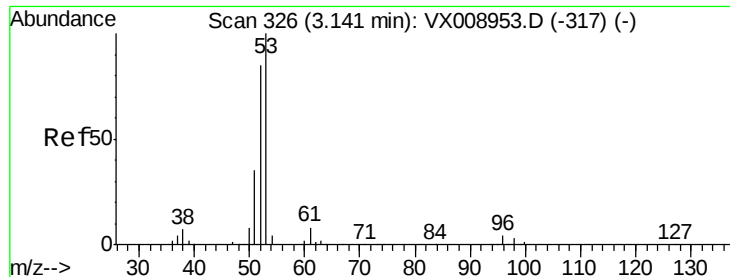


#13

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

ClientSampled :

VX0425MBL01

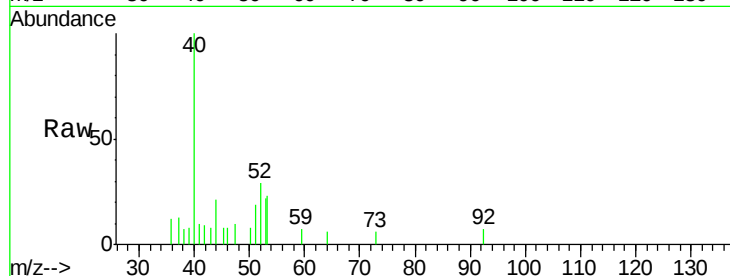
Tot Ion: 53 Resp: 716

Ion Ratio Lower Upper

53 100

52 79.1 66.6 100.0

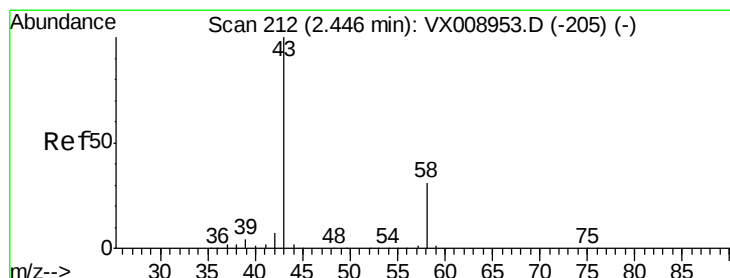
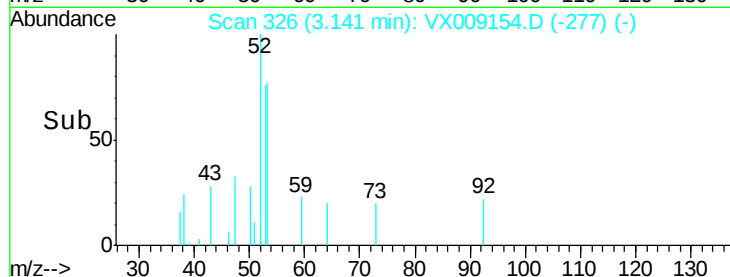
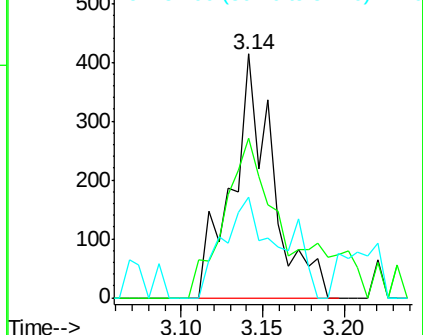
51 48.0 28.3 42.5#



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

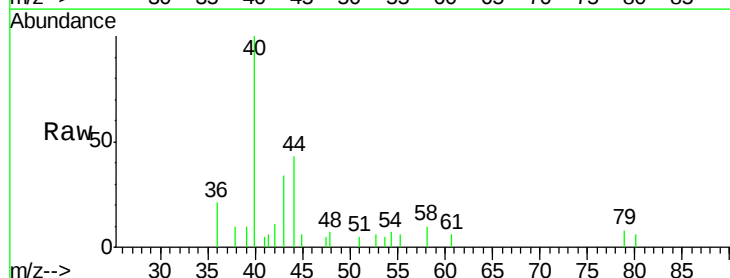
Acq: 25 Apr 2019 11:51

Tgt Ion: 43 Resp: 511

Ion Ratio Lower Upper

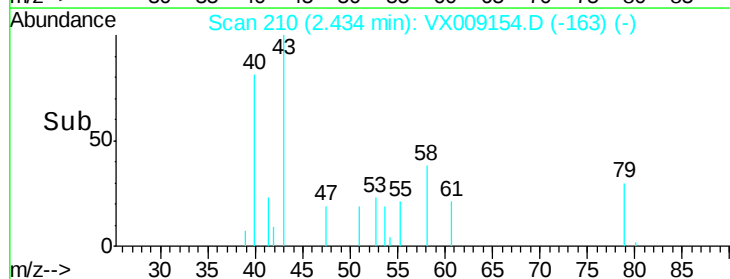
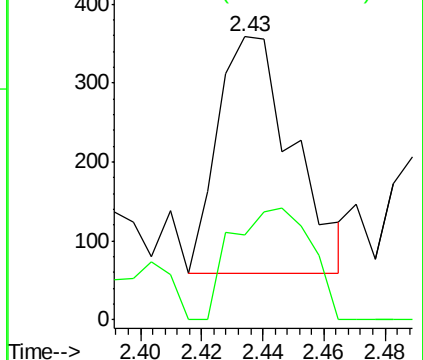
43 100

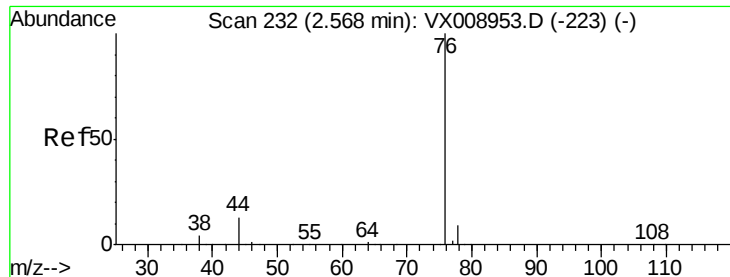
58 35.8 24.8 37.2



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

ClientSampleId :

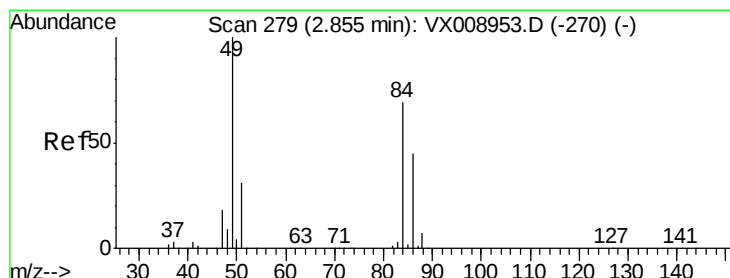
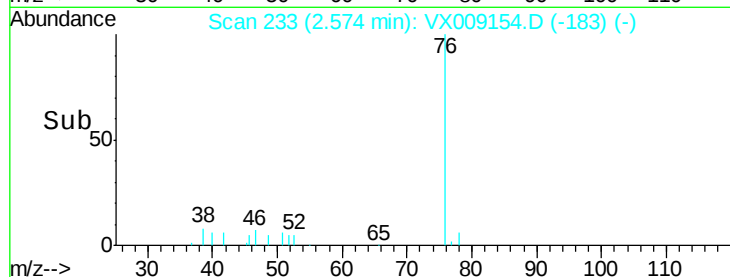
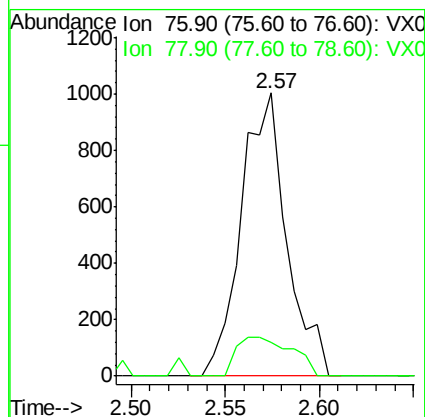
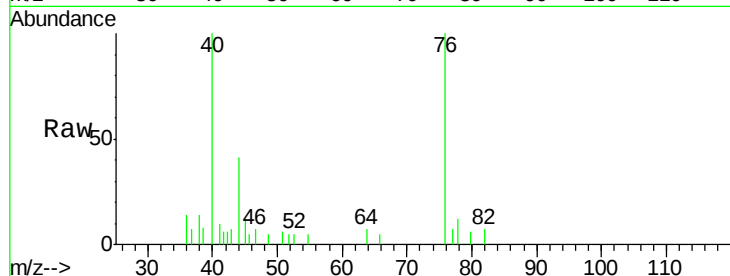
VX0425MBL01

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

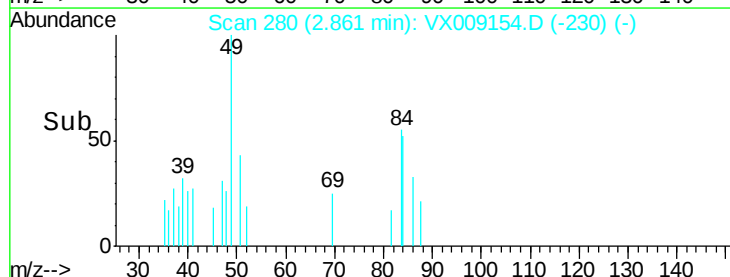
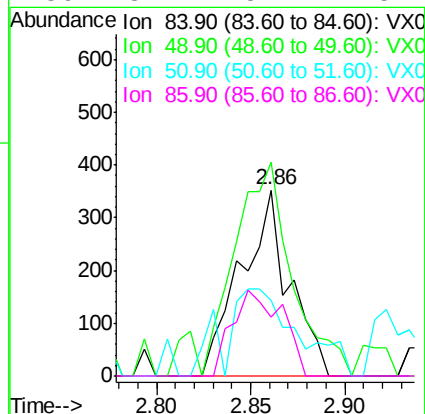
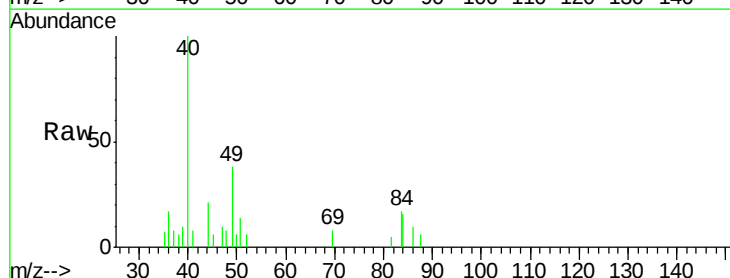
Ion Ratio Lower Upper

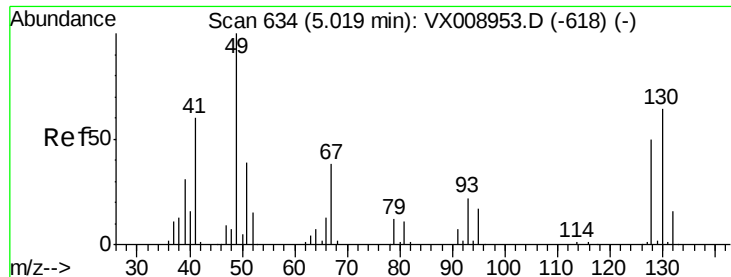
84 100

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 :

VX0425MBL01

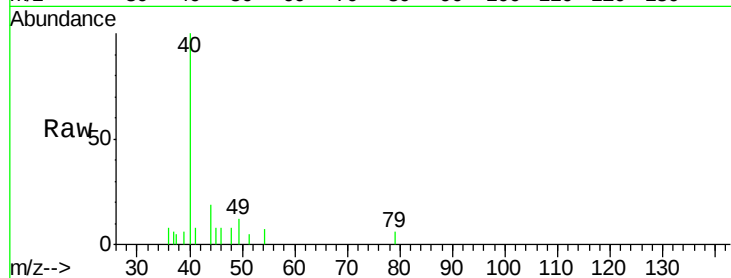
Tot Ion: 49 Resp: 73

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

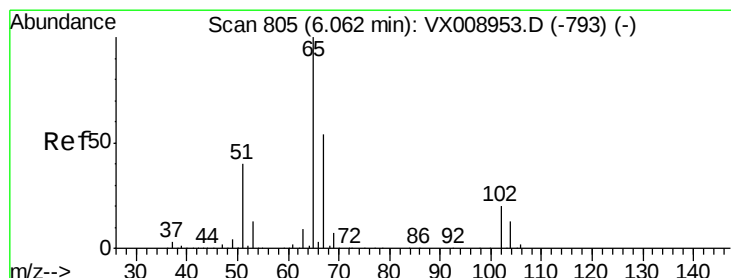
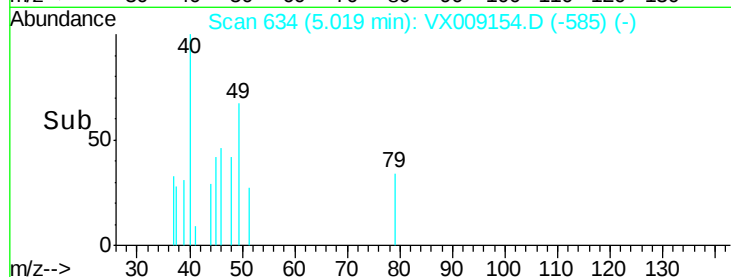
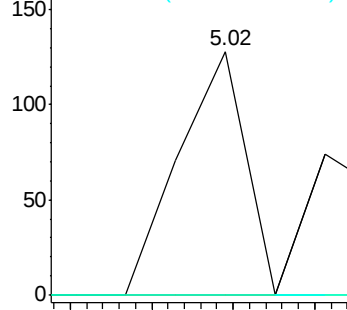
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#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

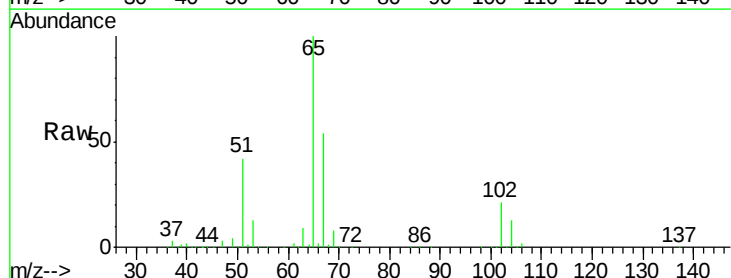
Acq: 25 Apr 2019 11:51

Tgt Ion: 65 Resp: 140072

Ion Ratio Lower Upper

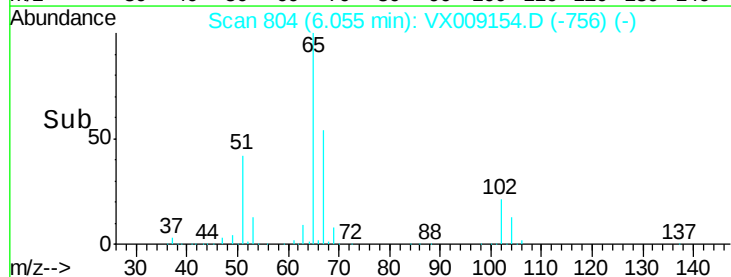
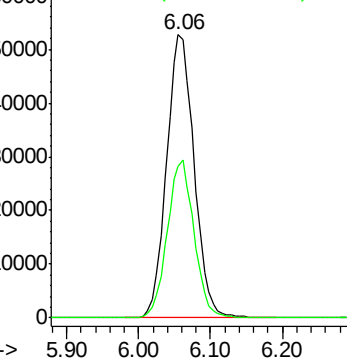
65 100

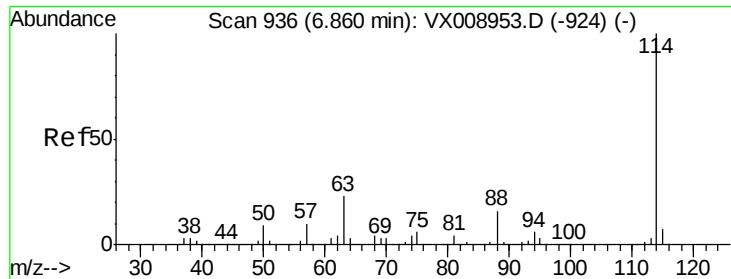
67 54.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

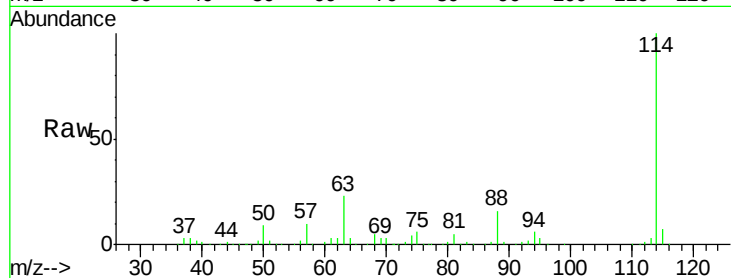




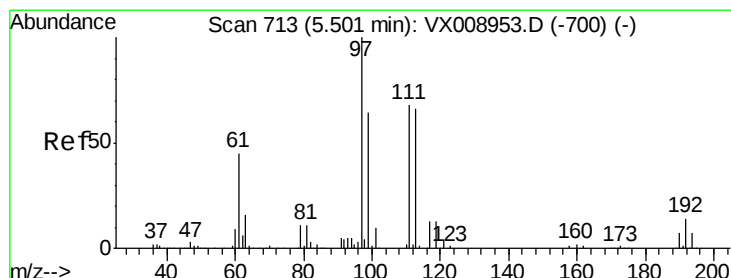
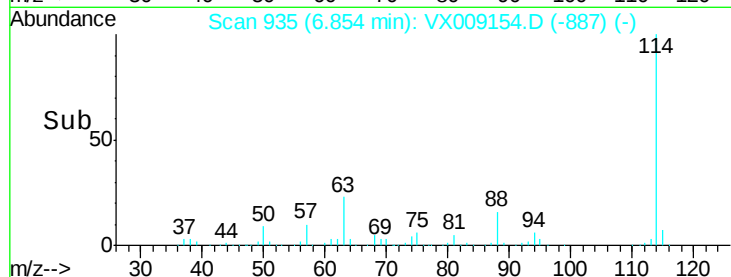
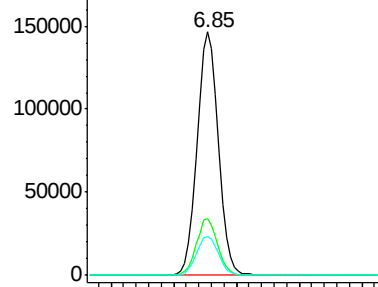
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009154.D
 Acq: 25 Apr 2019 11:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425MBL01

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

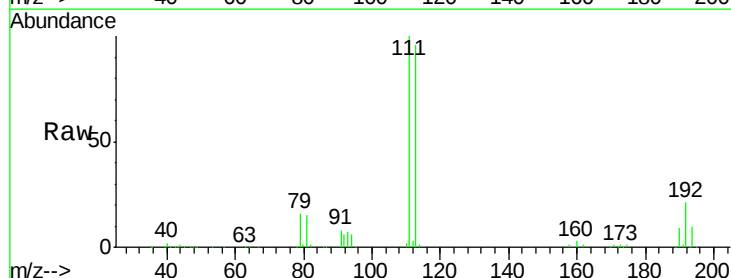


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

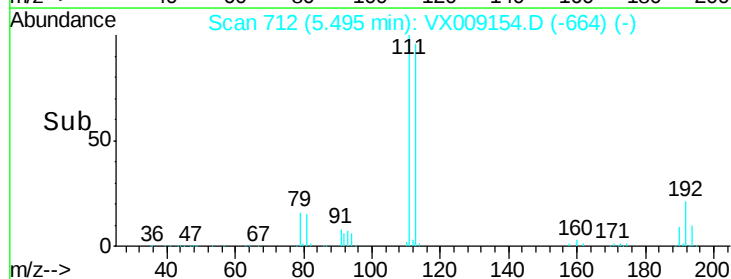
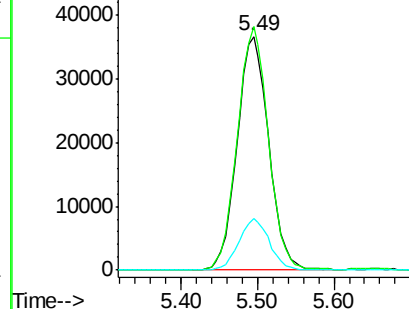


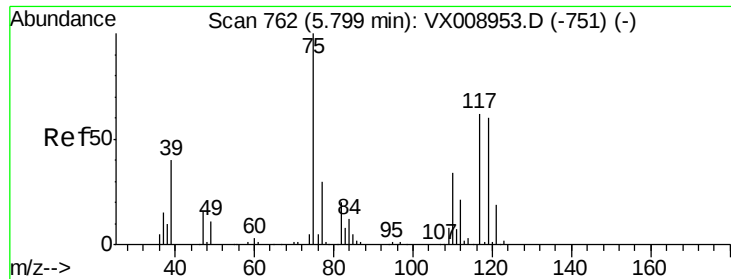
#35
 Dibromofluoromethane
 Concen: 47.650 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX009154.D
 Acq: 25 Apr 2019 11:51

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



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

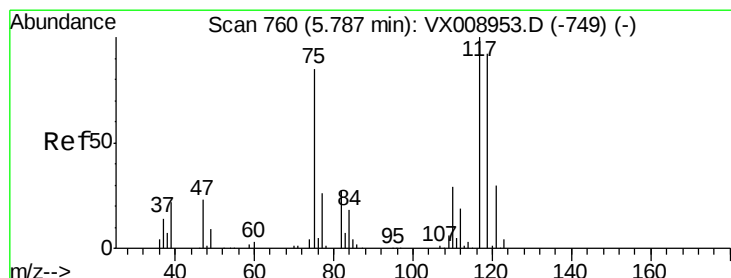
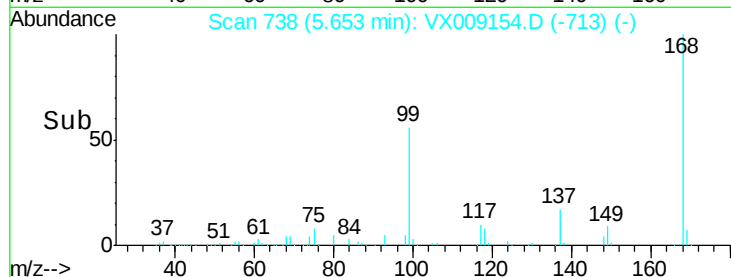
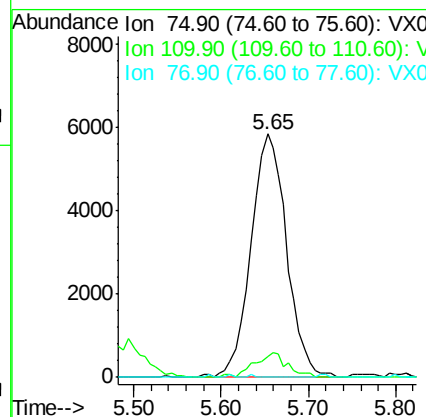
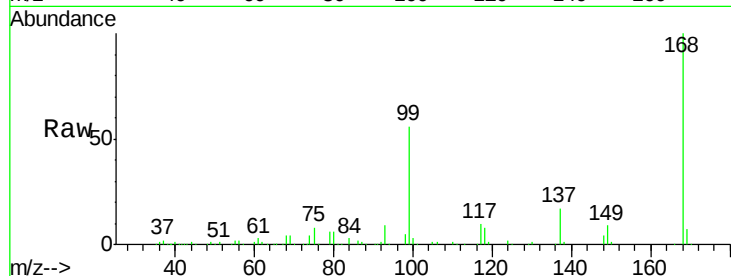




#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX009154.D
 Acq: 25 Apr 2019 11:51

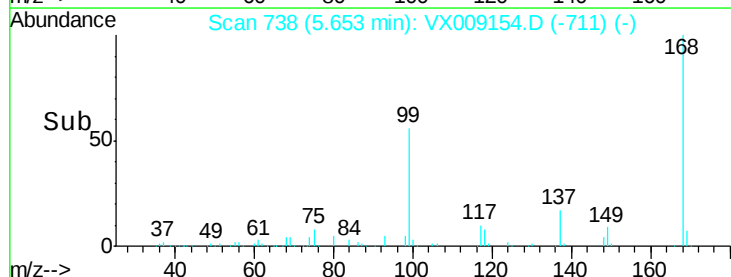
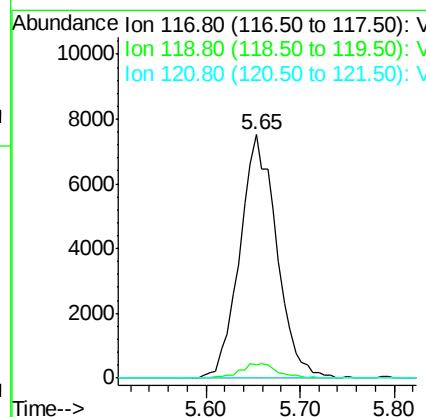
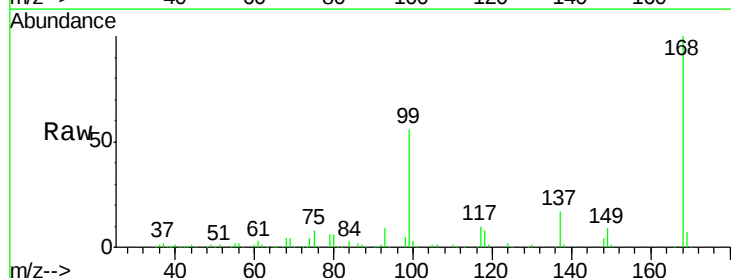
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0425MBL01

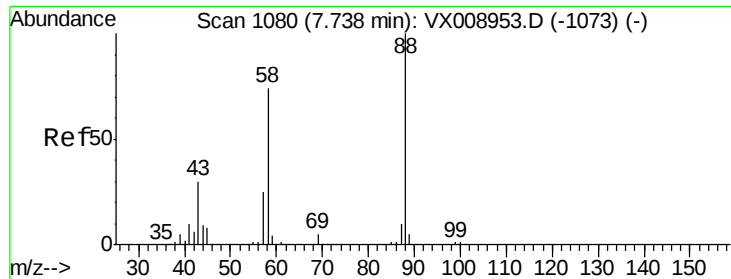
Tot Ion	75	Resp	16575
Ion Ratio	100	Lower	Upper
110	9.2	16.9	50.7#
77	0.0	25.0	37.4#



#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 <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	5.2	73.8	110.8#
121	0.0	23.6	35.4#

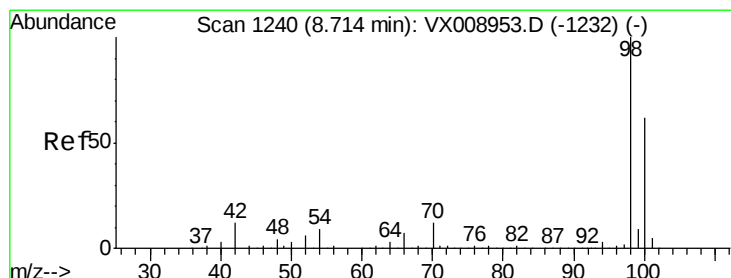
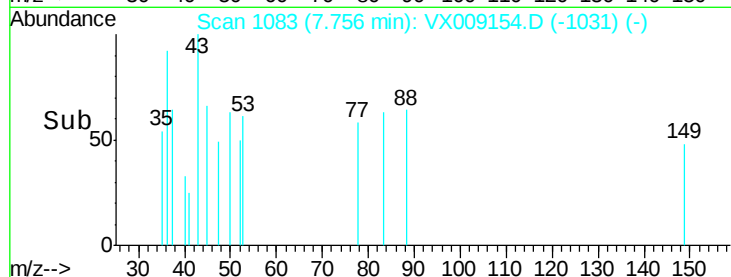
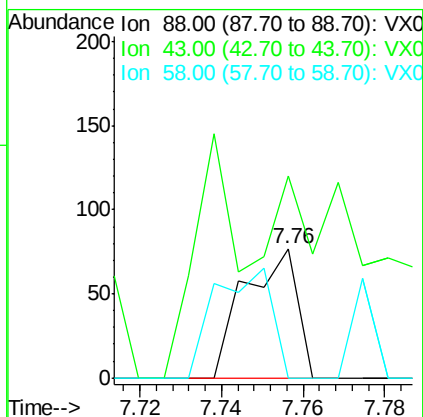
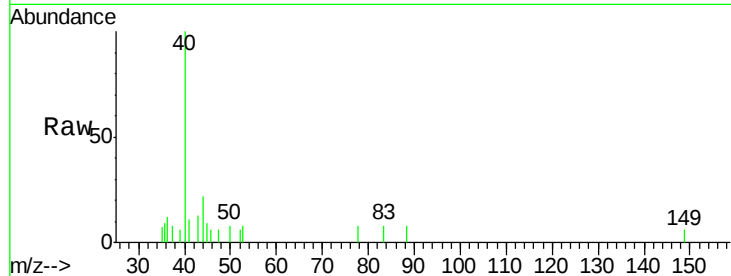




#49
1,4-Dioxane
Concen: 1.016 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

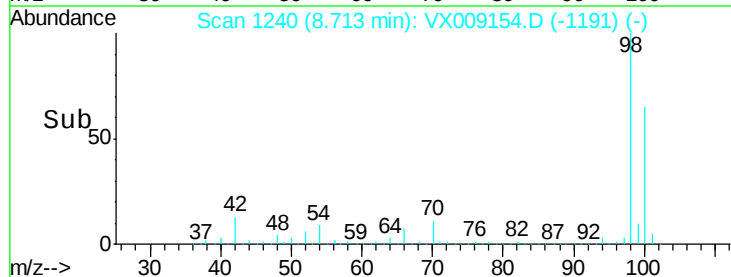
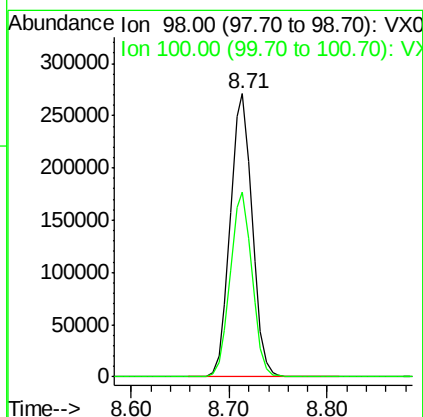
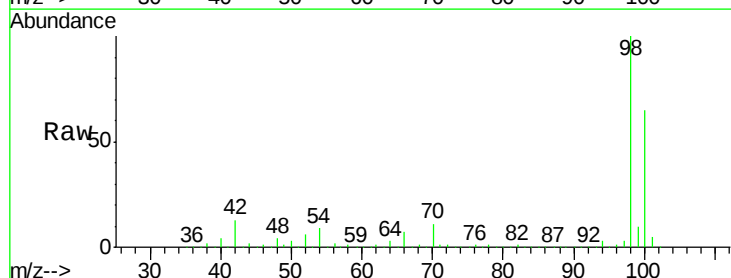
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

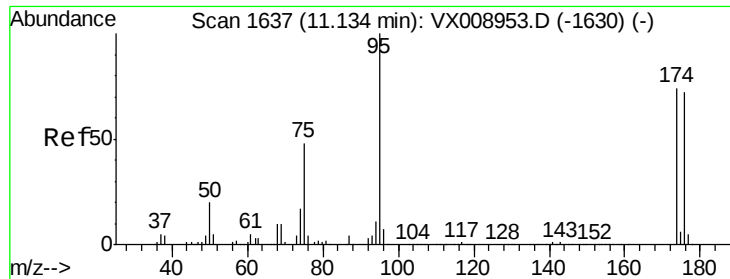
Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 301.4 29.3 43.9#
58 91.3 62.6 93.8



#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

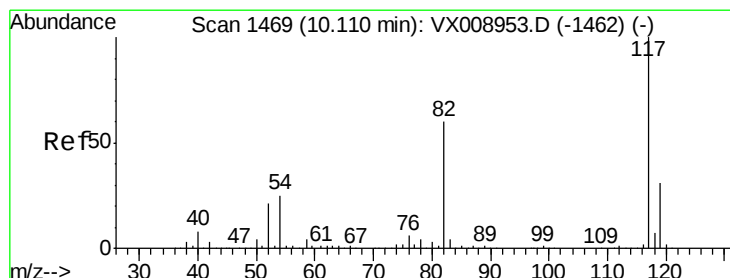
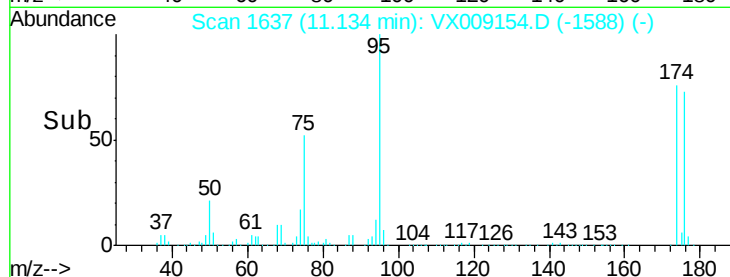
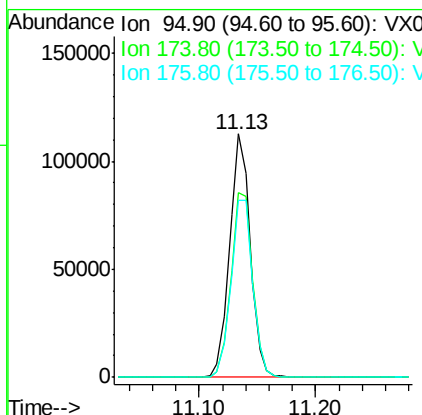
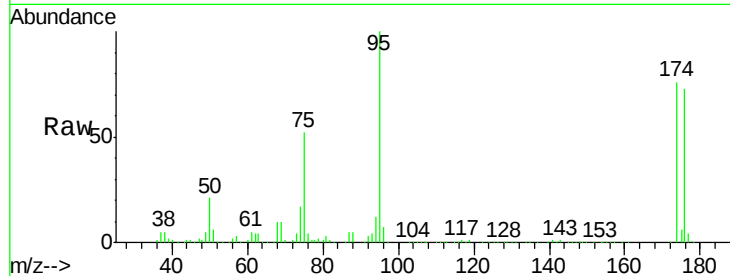




#62
4-Bromofluorobenzene
Concen: 44.817 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

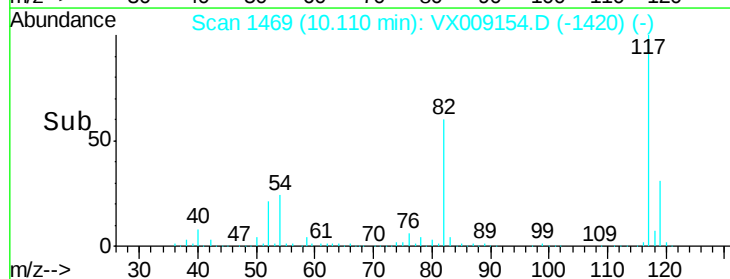
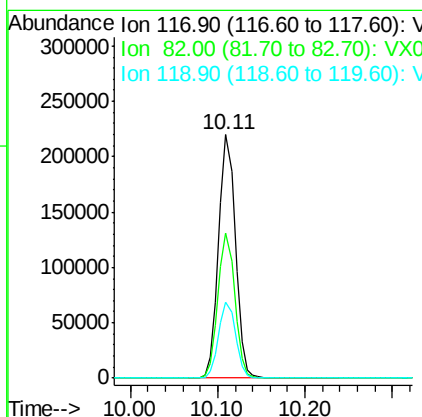
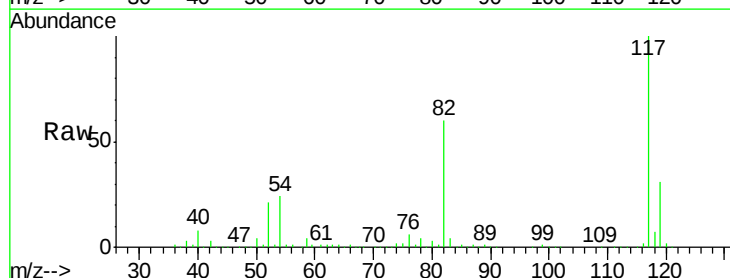
Instrument :
MSVOA_X
ClientSampleId :
VX0425MBL01

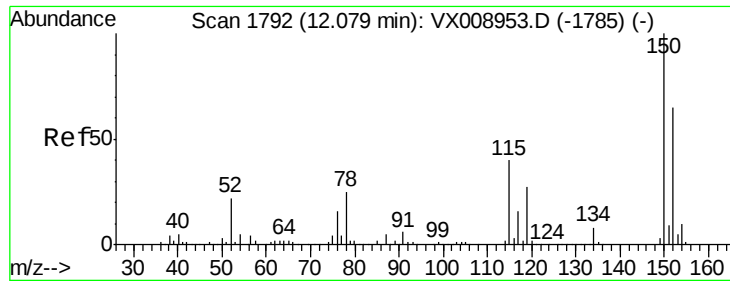
Tot Ion: 95 Resp: 138710
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.6
176 77.3 0.0 154.8



#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



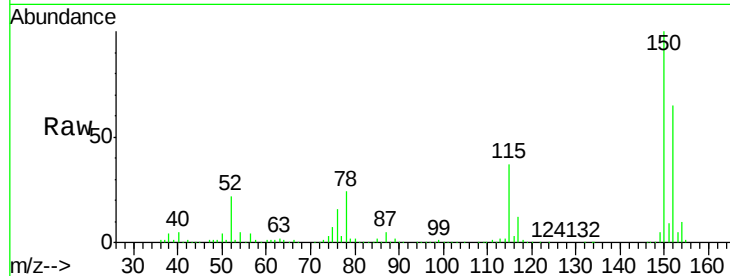


#72

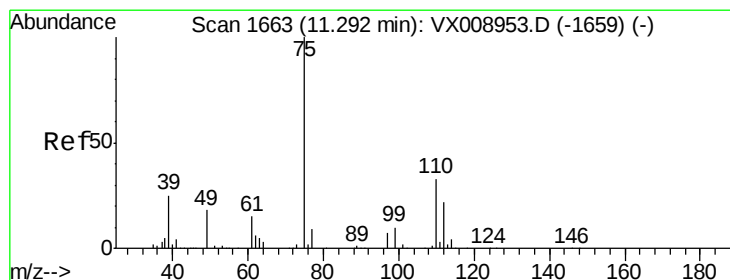
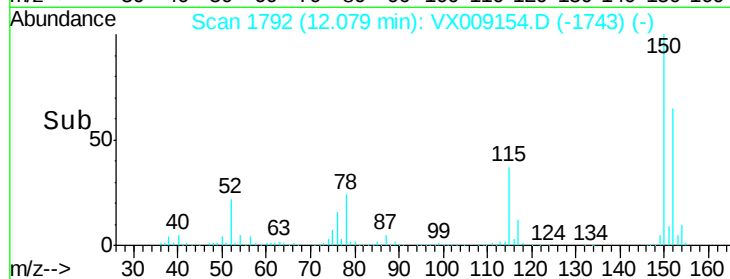
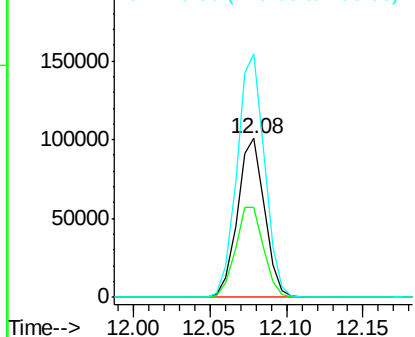
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

Instrument :
MSVOA_X
ClientSampled :
VX0425MBL01

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



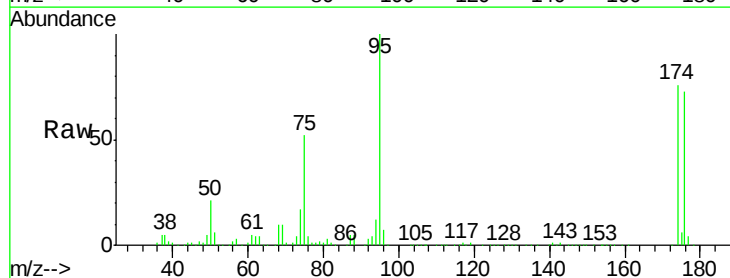
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



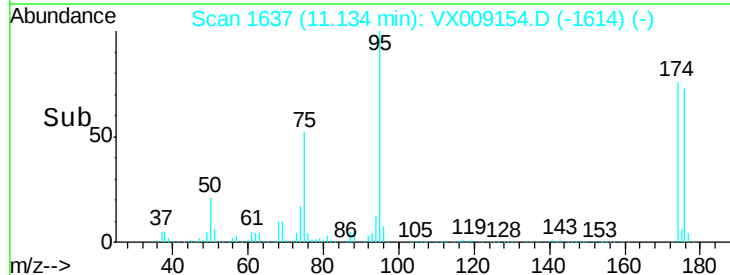
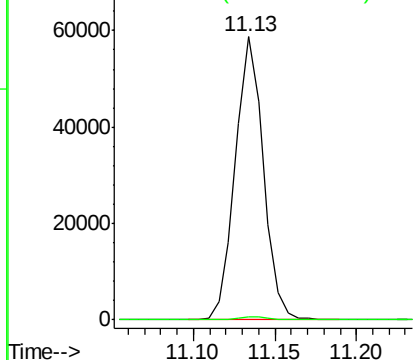
#76

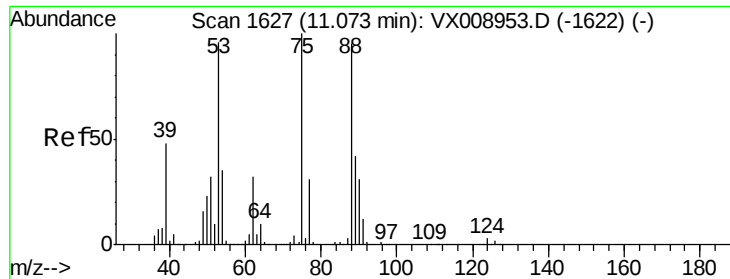
1,2,3-Trichloropropane
Concen: 23.415 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009154.D
Acq: 25 Apr 2019 11:51

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 :

VX0425MBL01

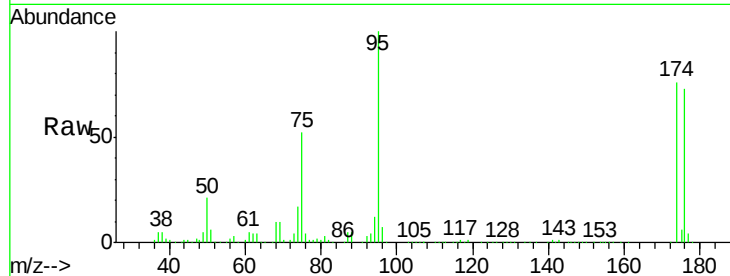
Tot Ion: 75 Resp: 70479

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

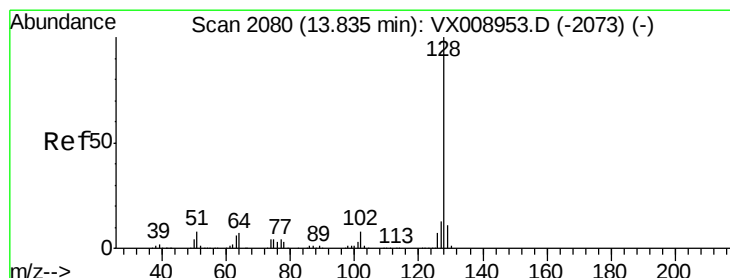
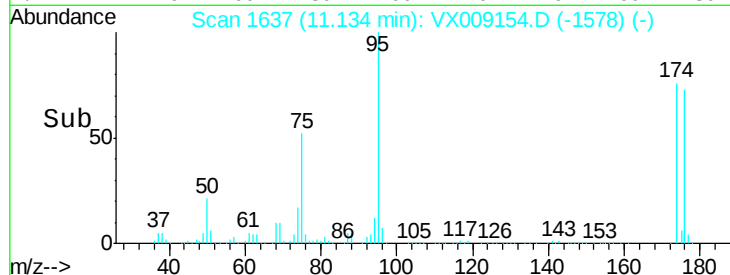
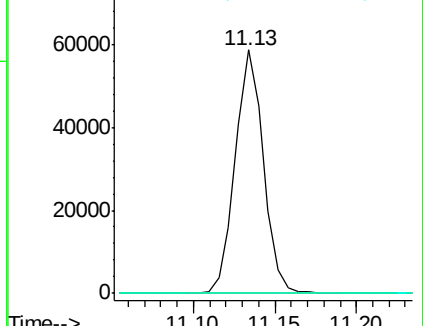
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#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

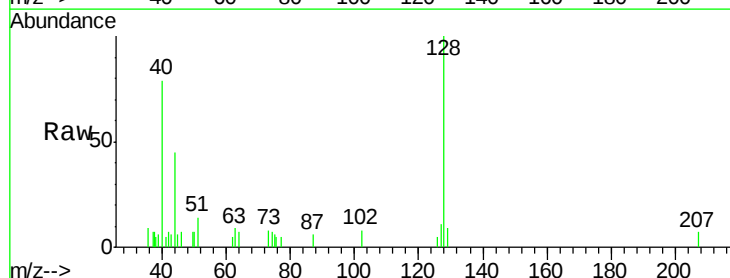
Tgt Ion: 128 Resp: 1893

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

