

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041819\
 Data File : VX009034.D
 Acq On : 18 Apr 2019 11:27
 Operator : JC/SP
 Sample : K2449-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB11-190415

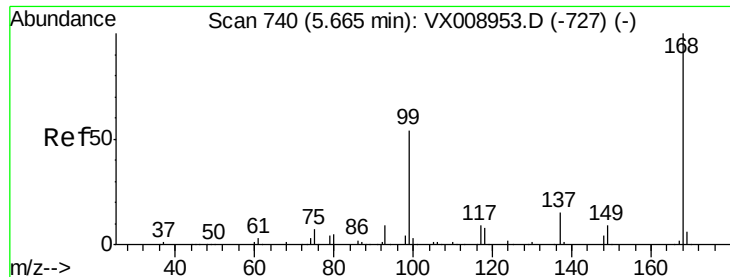
Quant Time: Apr 19 01:35:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	258033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134348	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	164238	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
35) Dibromofluoromethane	5.50	113	121480	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	8.71	98	510415	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.13	95	161107	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	399	4.014	ug/l #	78
10) Methyl Iodide	2.52	142	175	4.470	ug/l #	61
11) Tert butyl alcohol	3.02	59	27831	34.479	ug/l #	78
16) Acetone	2.45	43	4801	2.546	ug/l	95
17) Carbon Disulfide	2.57	76	765	1.344	ug/l #	88
20) Methylene Chloride	2.86	84	969	0.300	ug/l	96
25) 2-Butanone	4.70	43	4574	1.517	ug/l	91
26) 2,2-Dichloropropane	4.70	77	5090	1.153	ug/l #	52
28) Bromochloromethane	5.01	49	59	Below Cal	#	21
31) Cyclohexane	5.66	56	5709	0.986	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20023	4.758	ug/l #	51
38) Carbon Tetrachloride	5.66	117	24660	6.912	ug/l #	18
49) 1,4-Dioxane	7.51	88	21	0.260	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	80927	24.669	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	80927	63.332	ug/l #	11

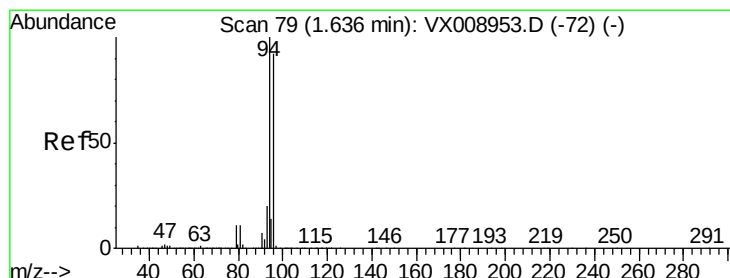
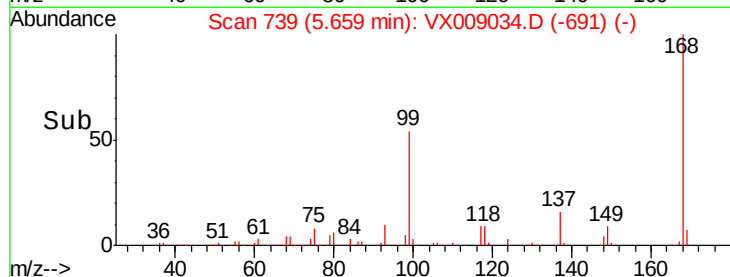
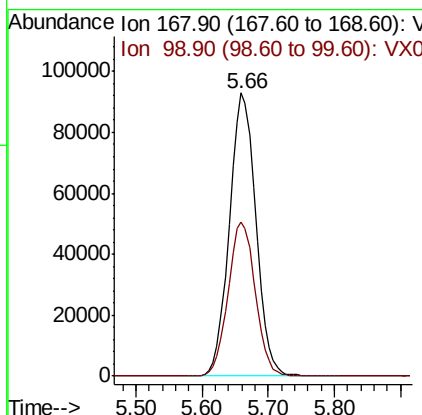
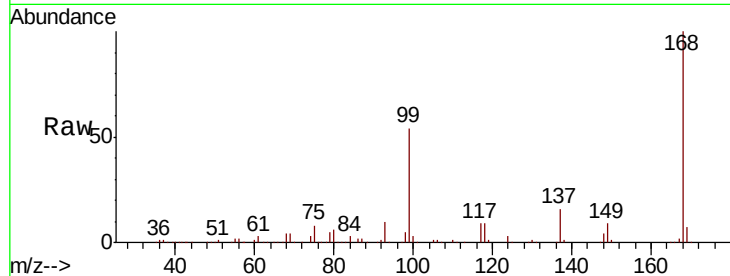
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

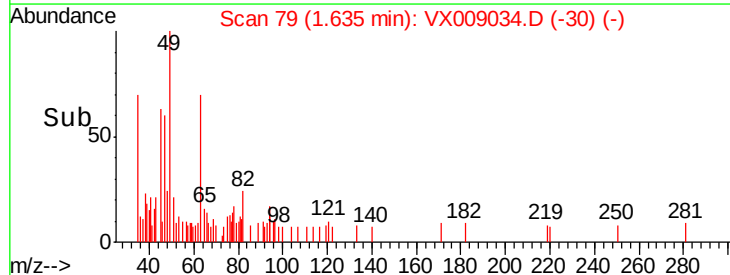
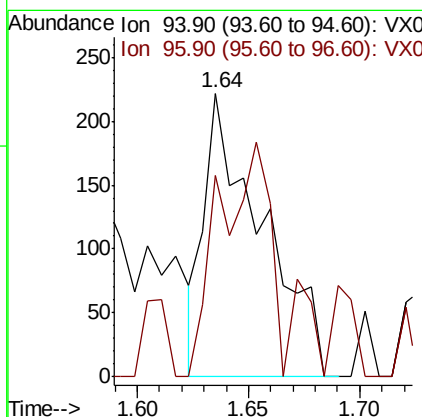
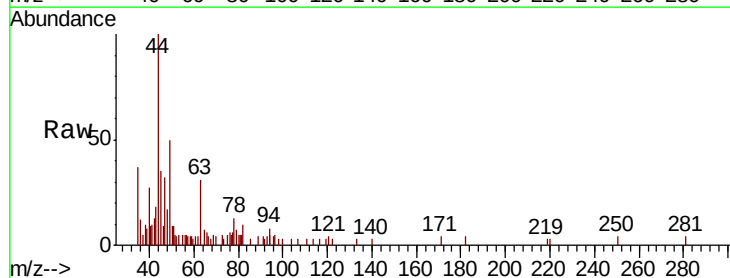
Instrument :
MSVOA_X
ClientSampled :
Z3-TB11-190415

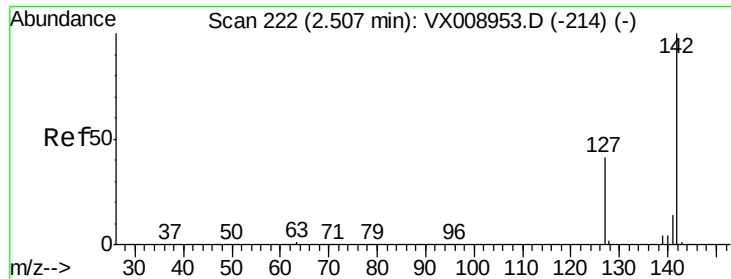
Tot Ion:168 Resp: 258033
Ion Ratio Lower Upper
168 100
99 54.2 43.0 64.6



#5
Bromomethane
Concen: 4.014 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 71.2 73.9 110.9#

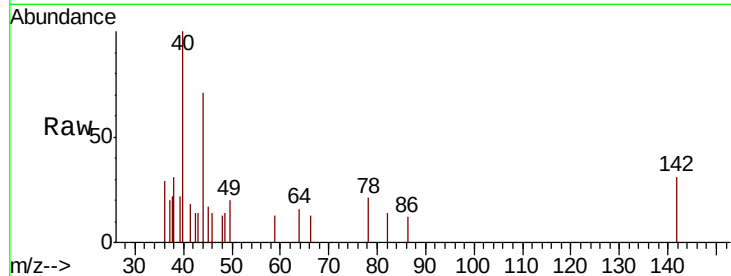




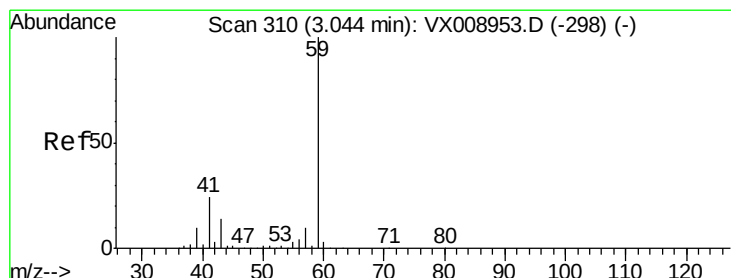
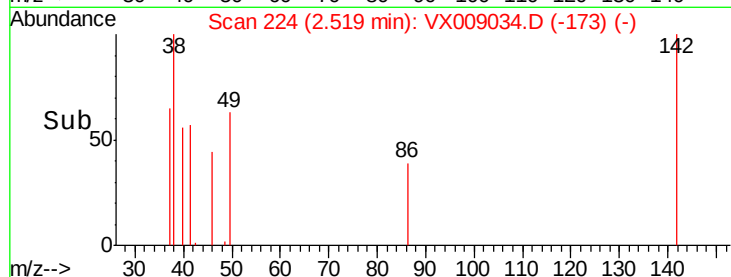
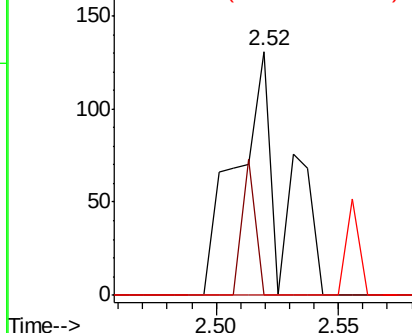
#10
Methvl Iodide
Concen: 4.470 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-190415

Tot Ion:142 Resp: 175
Ion Ratio Lower Upper
142 100
127 15.4 32.8 49.2#
141 0.0 11.4 17.2#

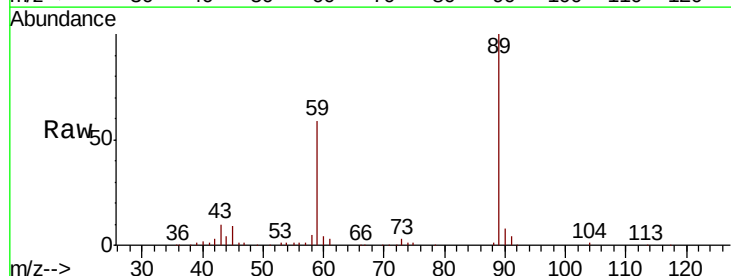


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

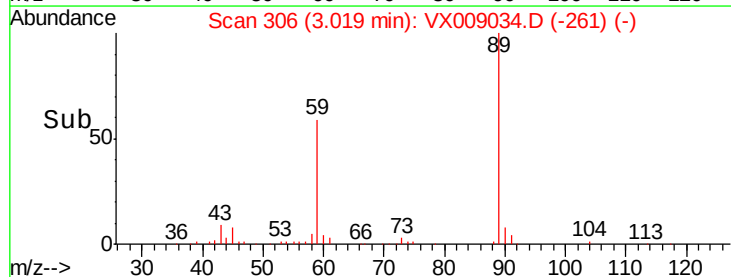
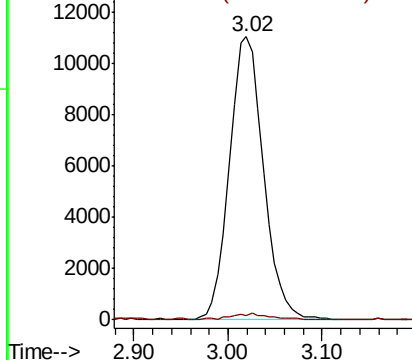


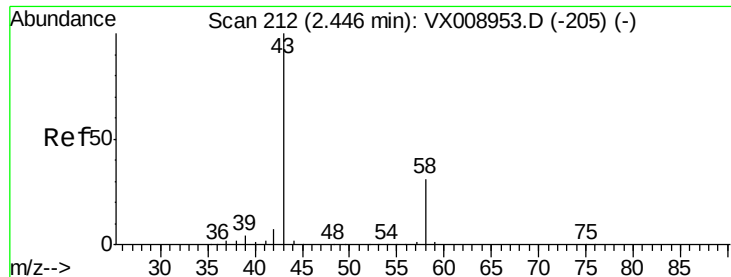
#11
Tert butyl alcohol
Concen: 34.479 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.02 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Tgt Ion: 59 Resp: 27831
Ion Ratio Lower Upper
59 100
57 2.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.546 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009034.D

Acq: 18 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

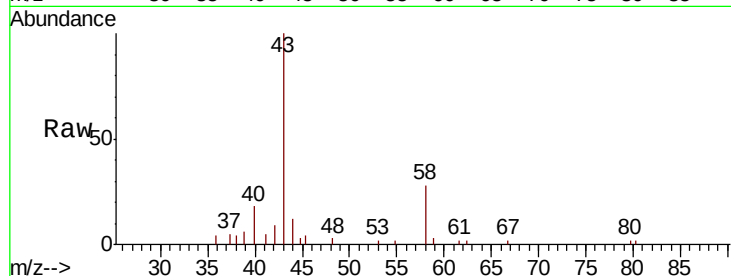
Z3-TB11-190415

Tot Ion: 43 Resp: 4801

Ion Ratio Lower Upper

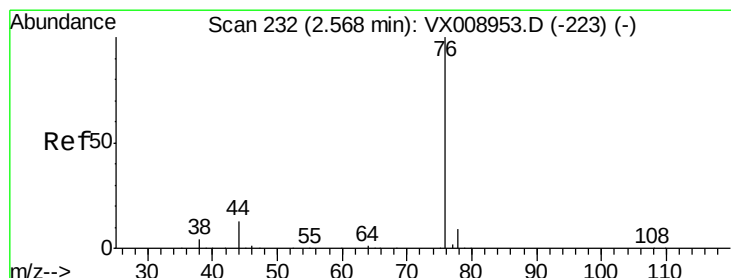
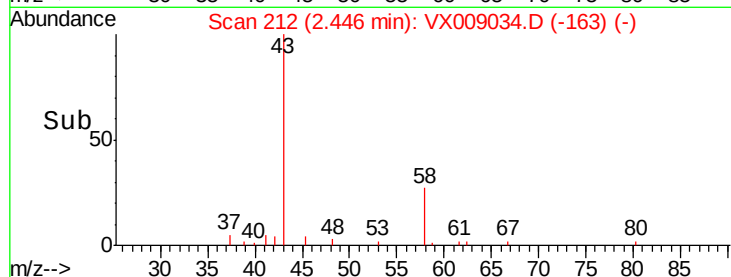
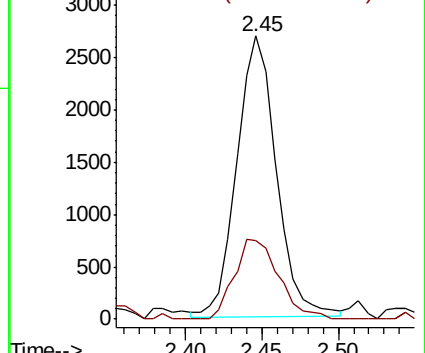
43 100

58 28.5 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: 1.344 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009034.D

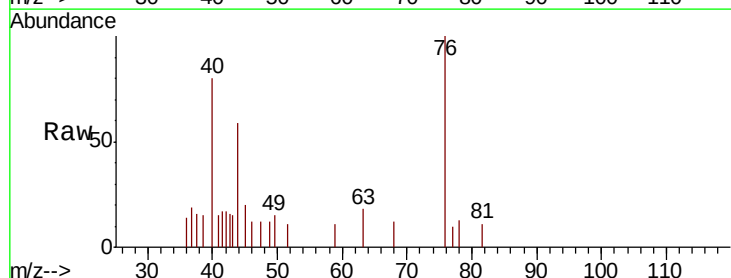
Acq: 18 Apr 2019 11:27

Tgt Ion: 76 Resp: 765

Ion Ratio Lower Upper

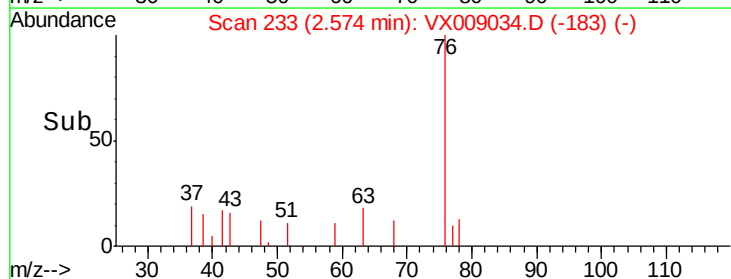
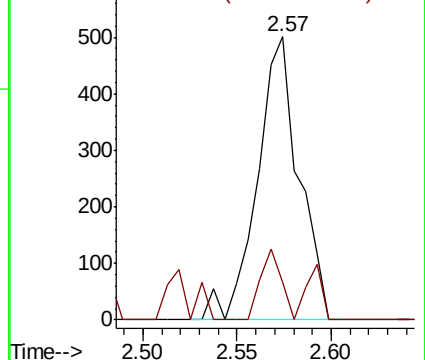
76 100

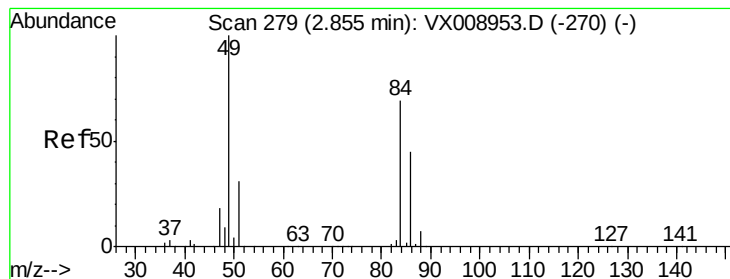
78 13.4 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.300 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX009034.D

Acq: 18 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB11-190415

Tot Ion: 84 Resp: 969

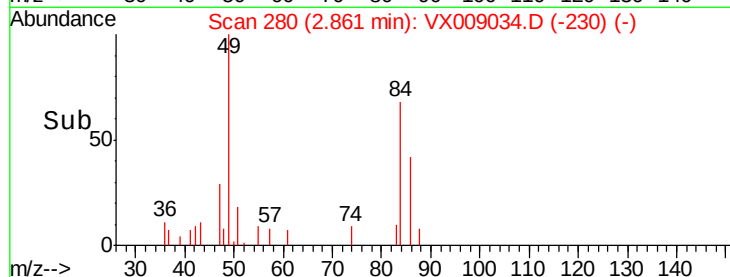
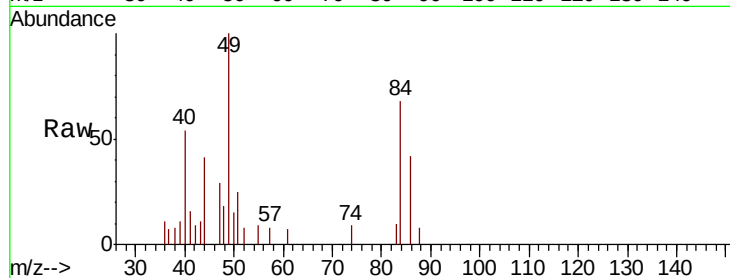
Ion Ratio Lower Upper

84 100

49 146.7 115.4 173.0

51 37.0 35.8 53.6

86 62.0 52.1 78.1

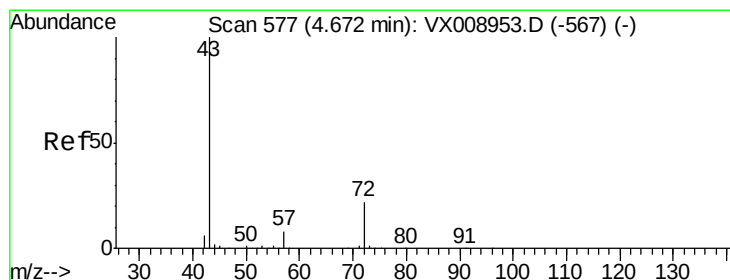
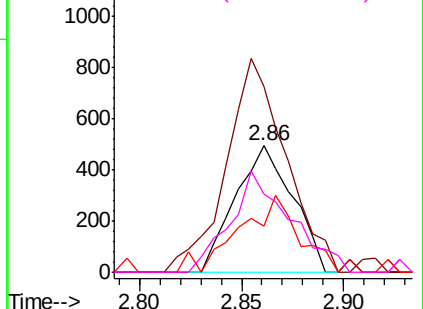


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.517 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX009034.D

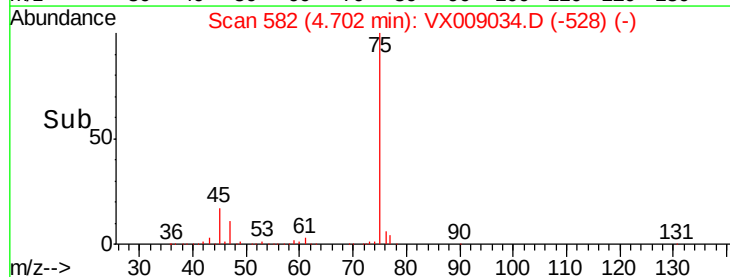
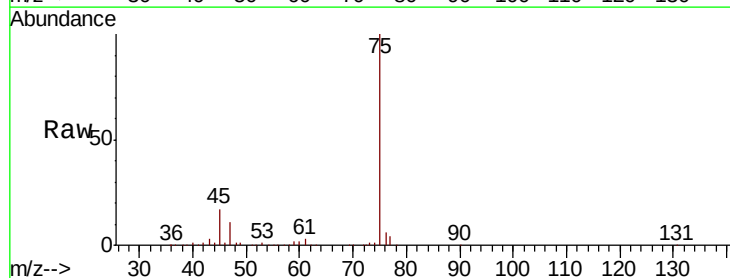
Acq: 18 Apr 2019 11:27

Tgt Ion: 43 Resp: 4574

Ion Ratio Lower Upper

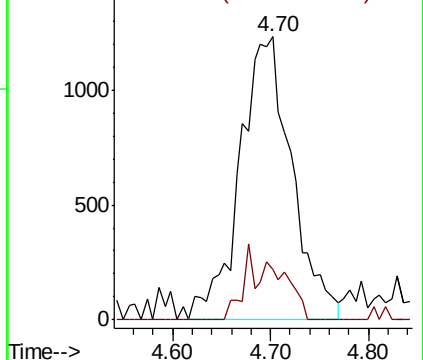
43 100

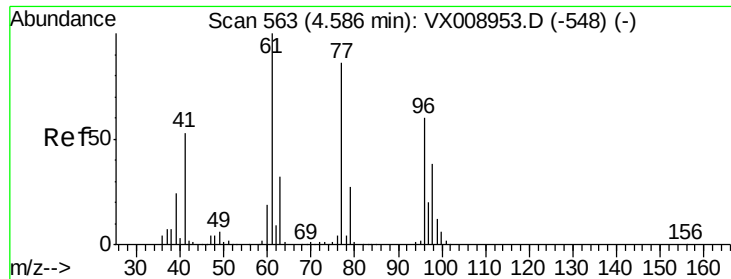
72 17.7 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

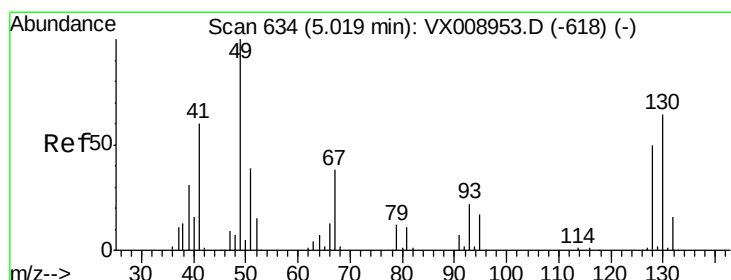
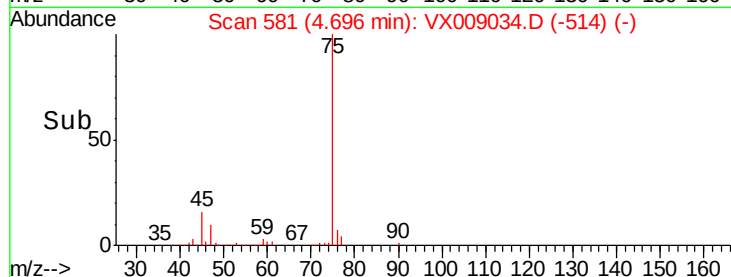
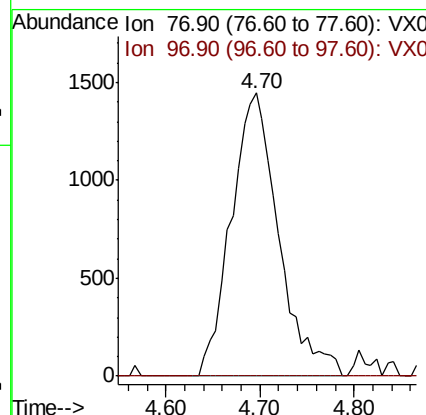
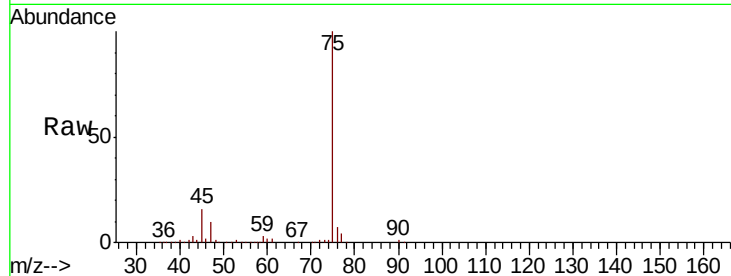




#26
 2,2-Dichloropropane
 Concen: 1.153 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.11 min
 Lab File: VX009034.D
 Acq: 18 Apr 2019 11:27

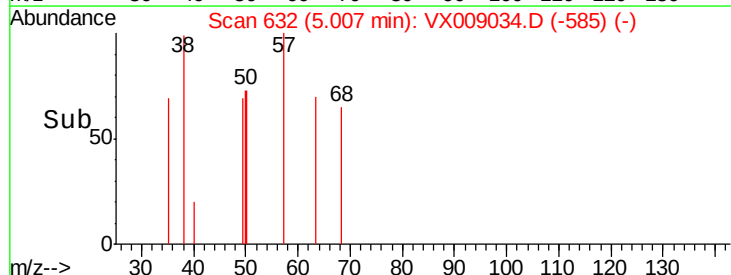
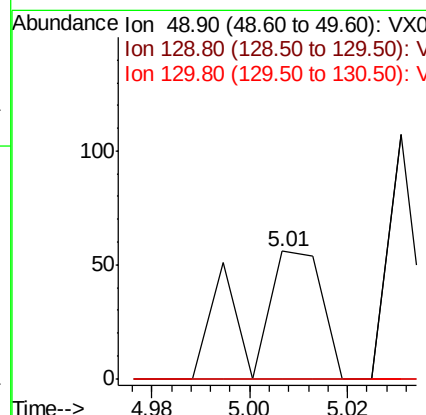
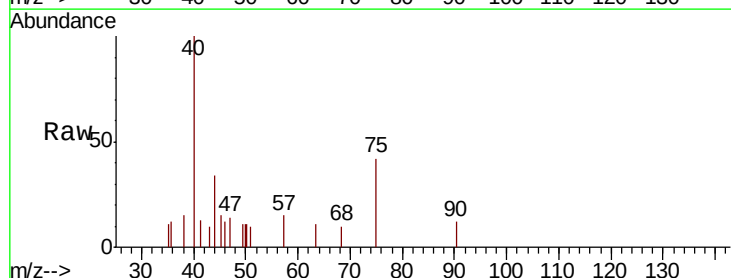
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB11-190415

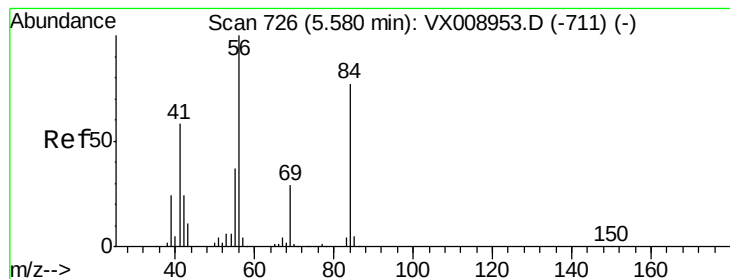
Tot Ion: 77 Resp: 5090
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#28
 Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009034.D
 Acq: 18 Apr 2019 11:27

Tgt Ion: 49 Resp: 59
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 50.4 75.6#





#31

Cyclohexane

Concen: 0.986 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009034.D

Acq: 18 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB11-190415

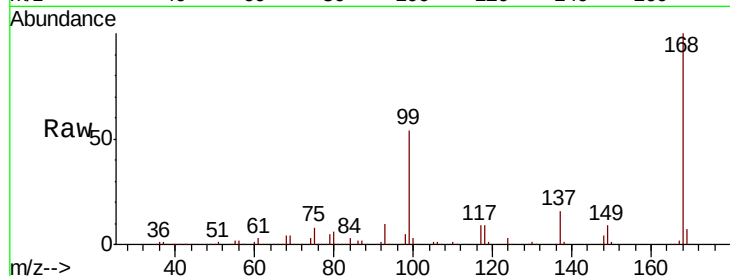
Tot Ion: 56 Resp: 5709

Ion Ratio Lower Upper

56 100

69 171.8 23.3 34.9#

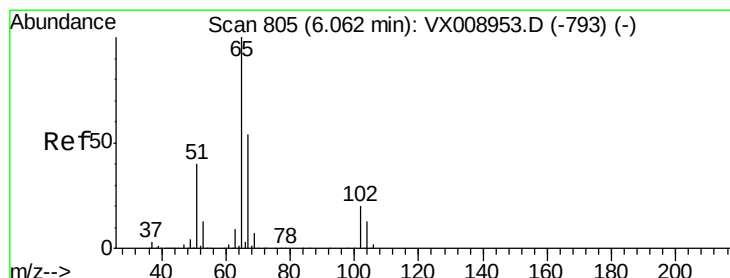
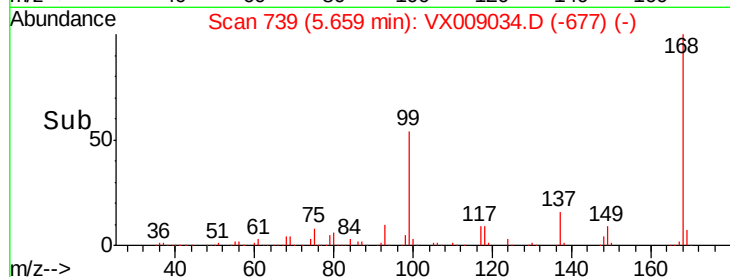
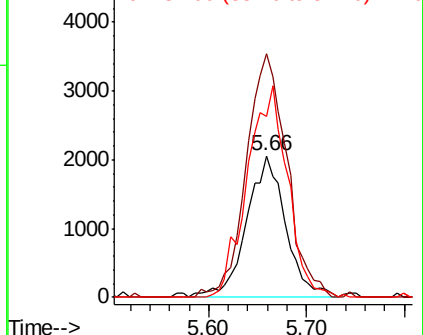
84 127.3 61.7 92.5#



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: 45.165 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009034.D

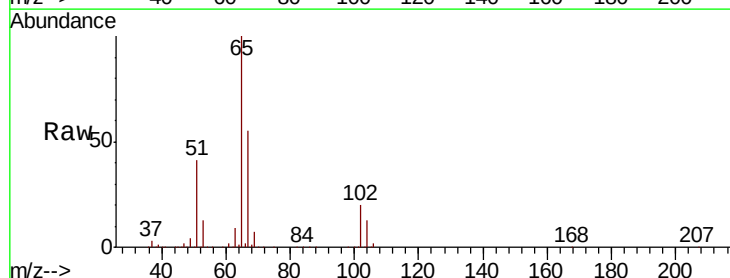
Acq: 18 Apr 2019 11:27

Tgt Ion: 65 Resp: 164238

Ion Ratio Lower Upper

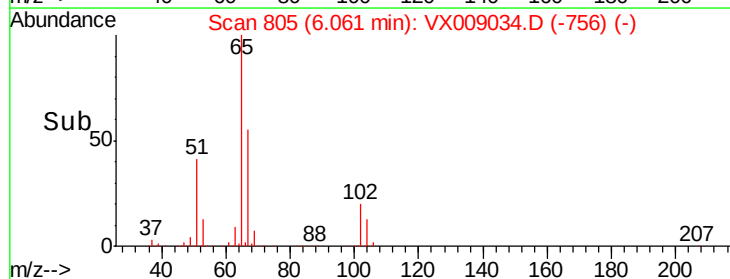
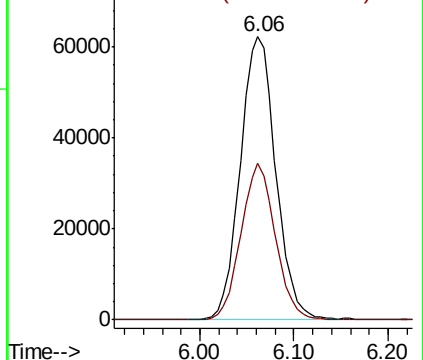
65 100

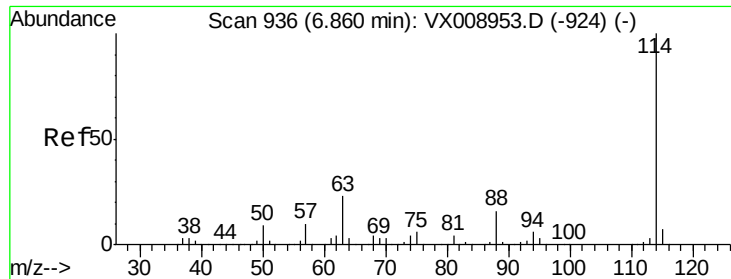
67 53.4 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

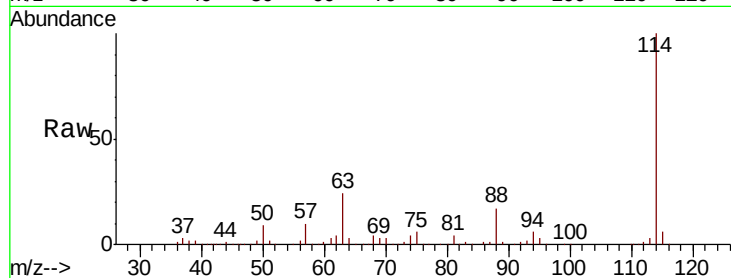




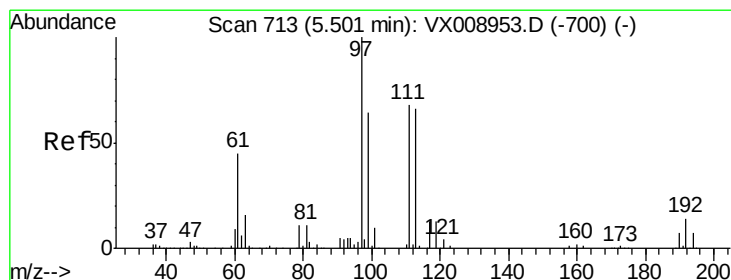
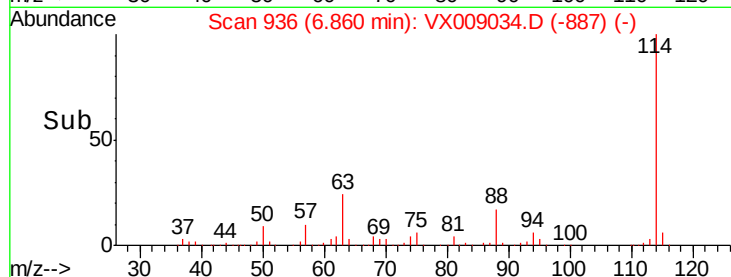
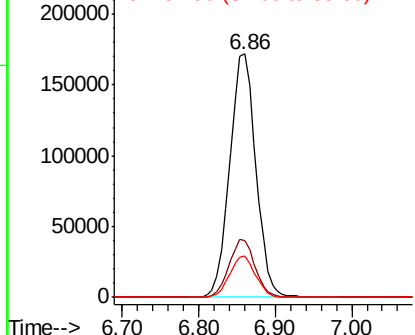
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-190415

Tot Ion:114 Resp: 406939
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.0
88 17.1 0.0 32.6

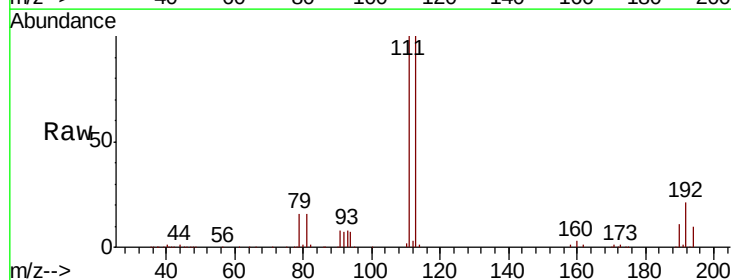


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

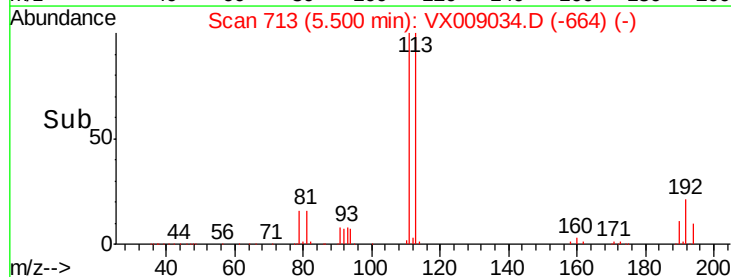
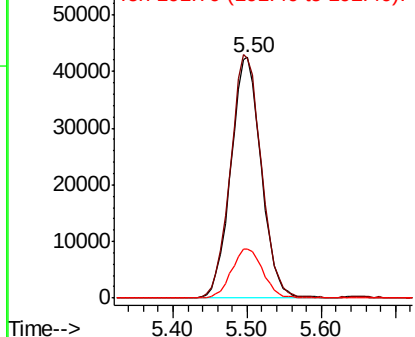


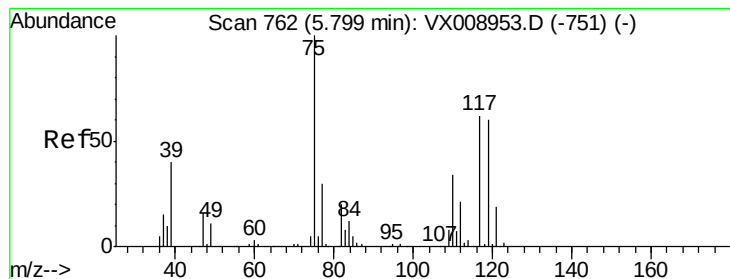
#35
Dibromofluoromethane
Concen: 46.515 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Tgt Ion:113 Resp: 121480
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 21.1 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: 4.758 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009034.D

Acq: 18 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB11-190415

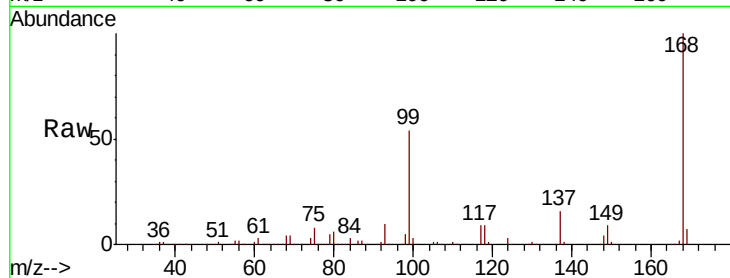
Tot Ion: 75 Resp: 20023

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.7#

77 0.2 25.0 37.4#

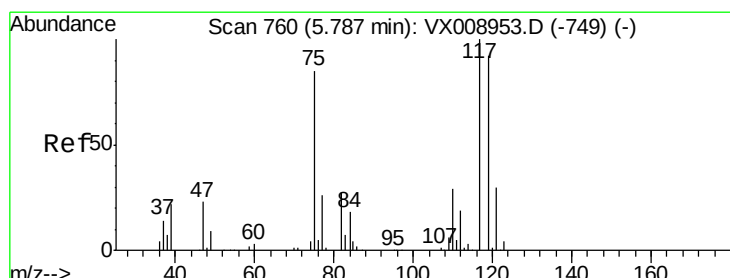
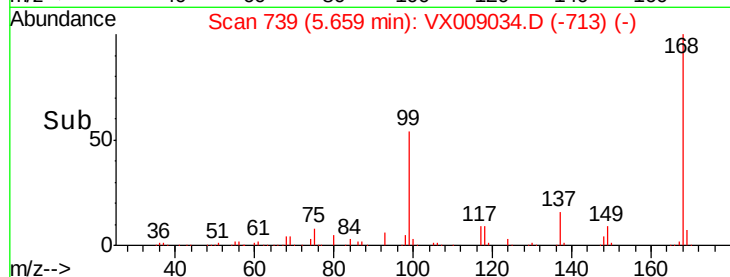
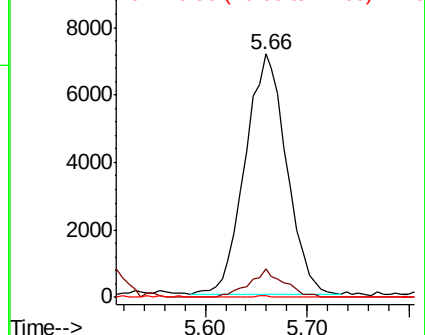


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.912 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009034.D

Acq: 18 Apr 2019 11:27

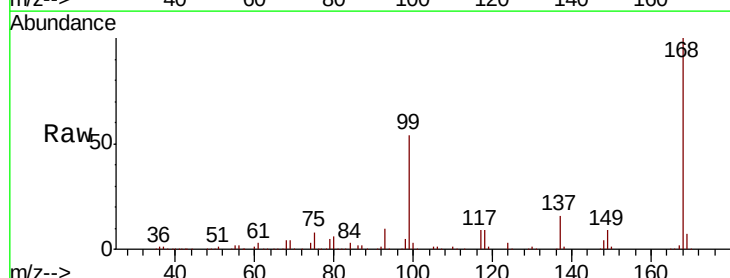
Tgt Ion: 117 Resp: 24660

Ion Ratio Lower Upper

117 100

119 5.6 73.8 110.8#

121 0.0 23.6 35.4#

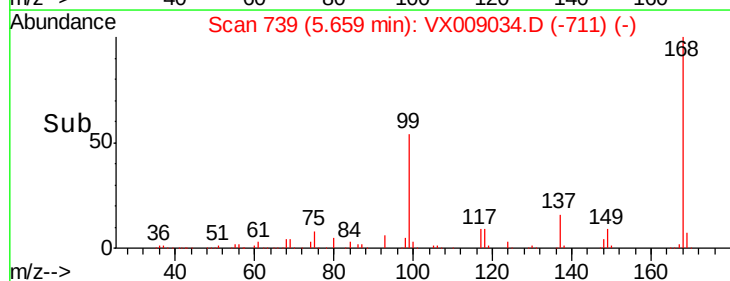
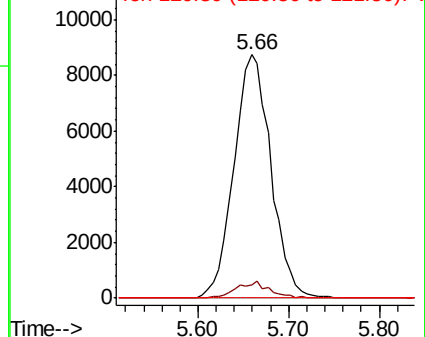


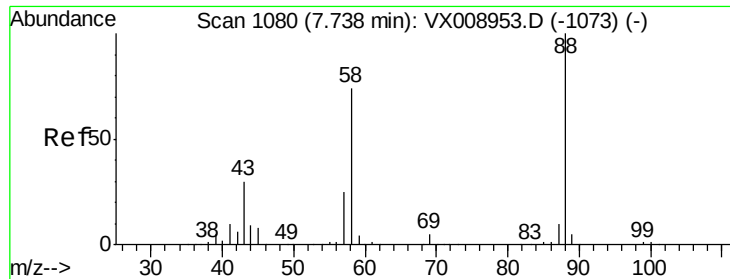
Abundance

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

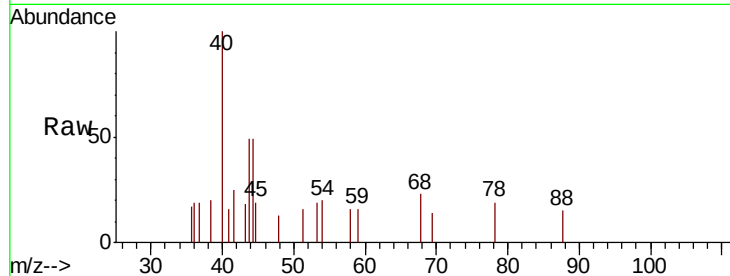




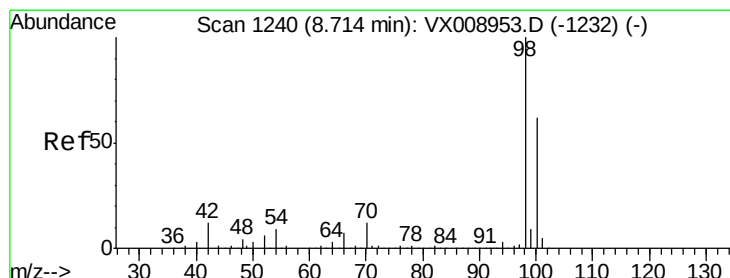
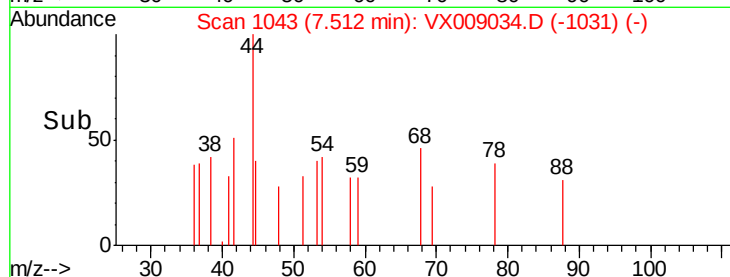
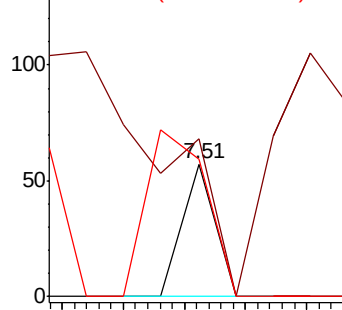
#49
1,4-Dioxane
Concen: 0.260 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.23 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-190415

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 29.3 43.9#
58 228.6 62.6 93.8#

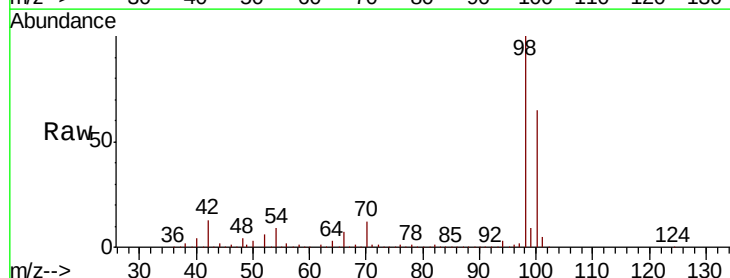


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

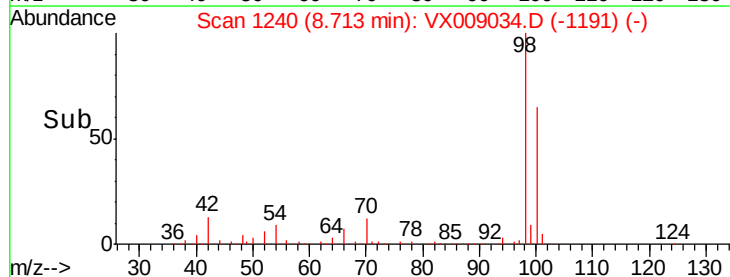
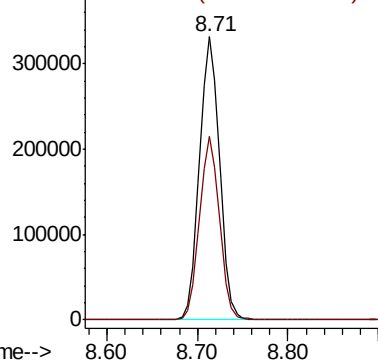


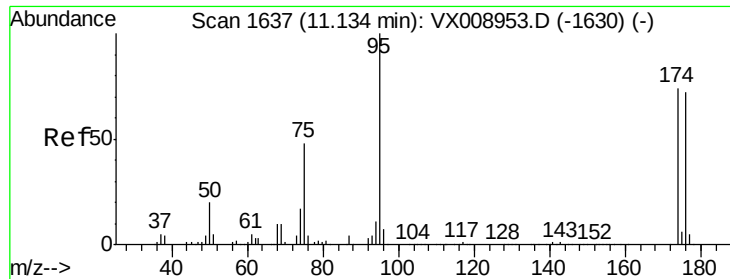
#50
Toluene-d8
Concen: 49.006 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Tgt Ion: 98 Resp: 510415
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



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

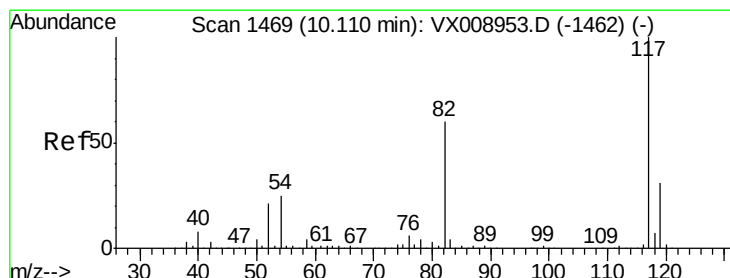
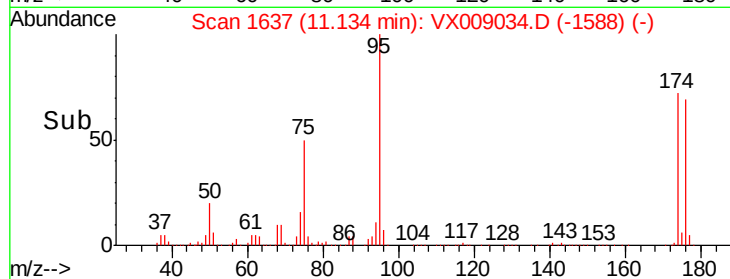
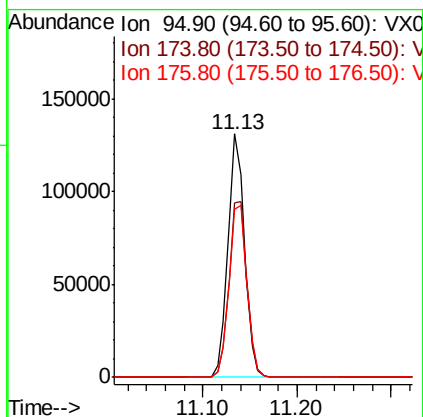
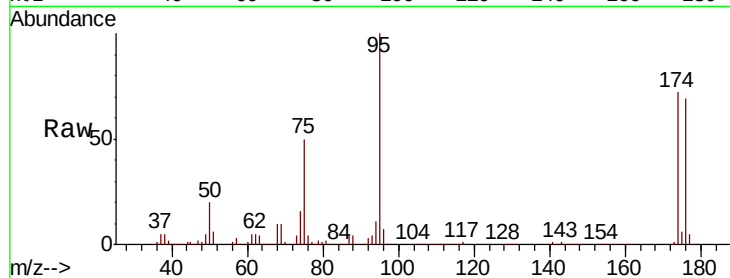




#62
4-Bromofluorobenzene
Concen: 43.819 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

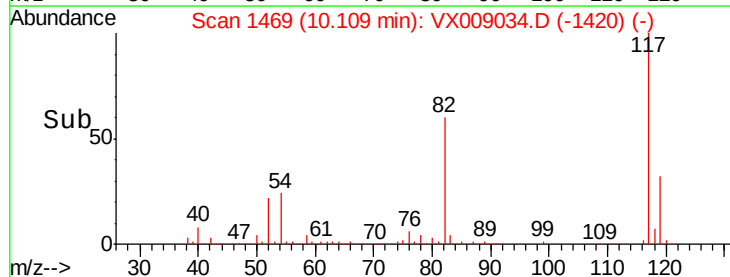
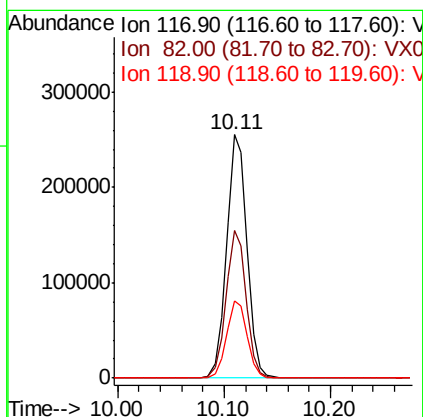
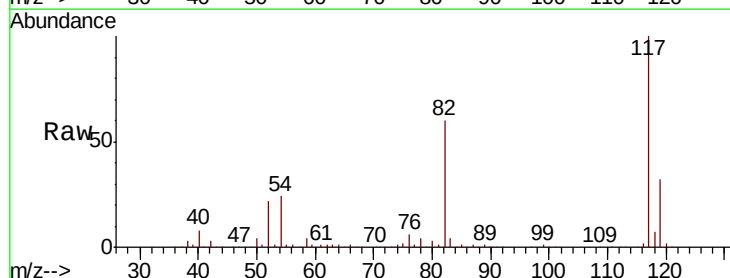
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-190415

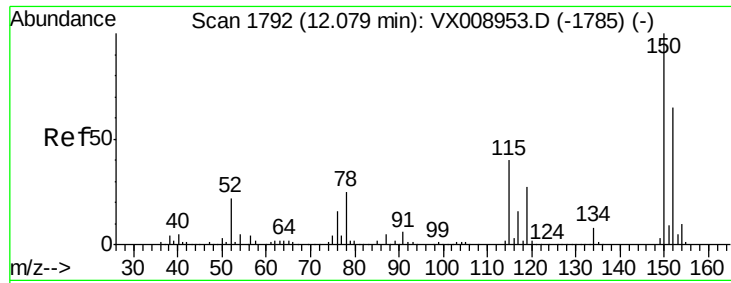
Tot Ion: 95 Resp: 161107
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.6
176 76.3 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Tgt Ion: 117 Resp: 342254
Ion Ratio Lower Upper
117 100
82 60.4 48.2 72.4
119 31.8 25.0 37.6



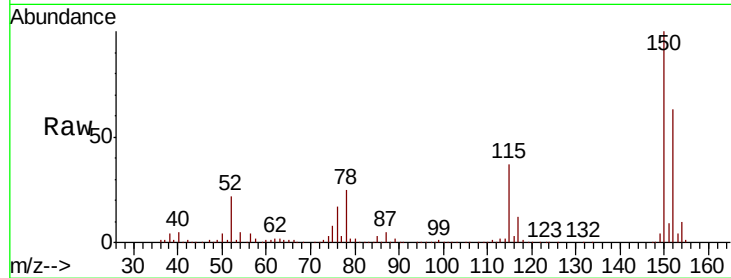


#72

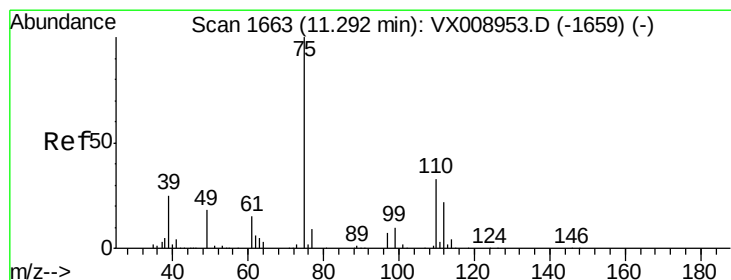
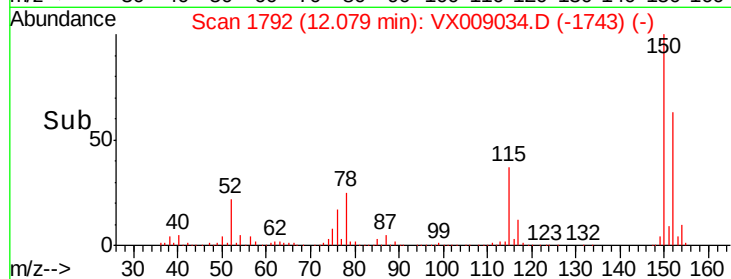
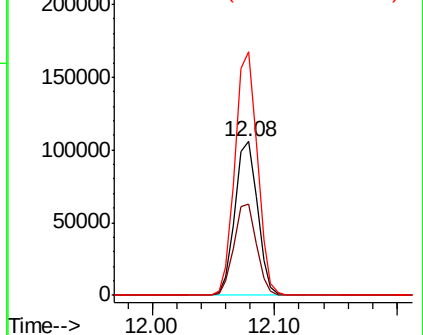
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB11-190415

Tot Ion:152 Resp: 134348
Ion Ratio Lower Upper
152 100
115 59.6 41.4 124.2
150 157.6 0.0 349.8



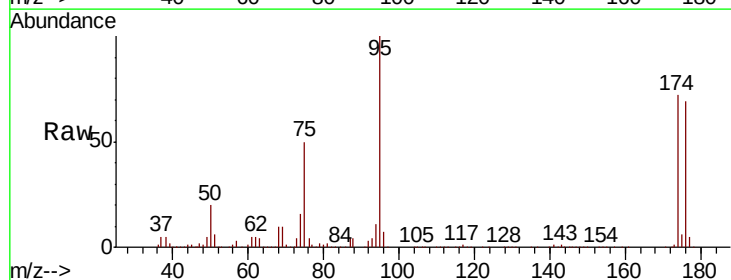
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



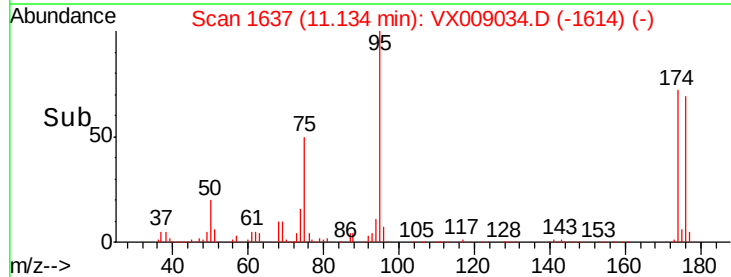
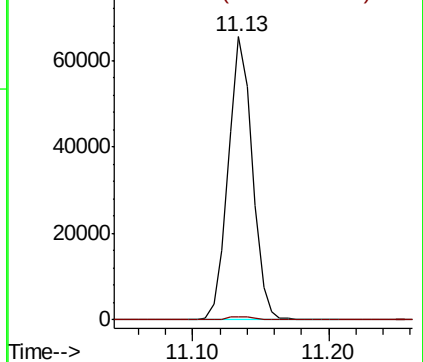
#76

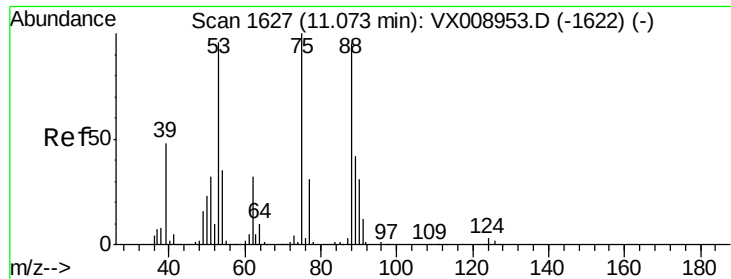
1,2,3-Trichloropropane
Concen: 24.669 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009034.D
Acq: 18 Apr 2019 11:27

Tgt Ion: 75 Resp: 80927
Ion Ratio Lower Upper
75 100
77 1.3 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: 63.332 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009034.D

Acq: 18 Apr 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB11-190415

Tot Ion: 75 Resp: 80927

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

