

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009717.D
 Acq On : 20 May 2019 11:45
 Operator : JC/SP
 Sample : K2901-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-051519

Quant Time: May 21 07:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	169169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	270841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102332	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	113105	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.49	113	83181	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.71	98	338811	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	112940	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

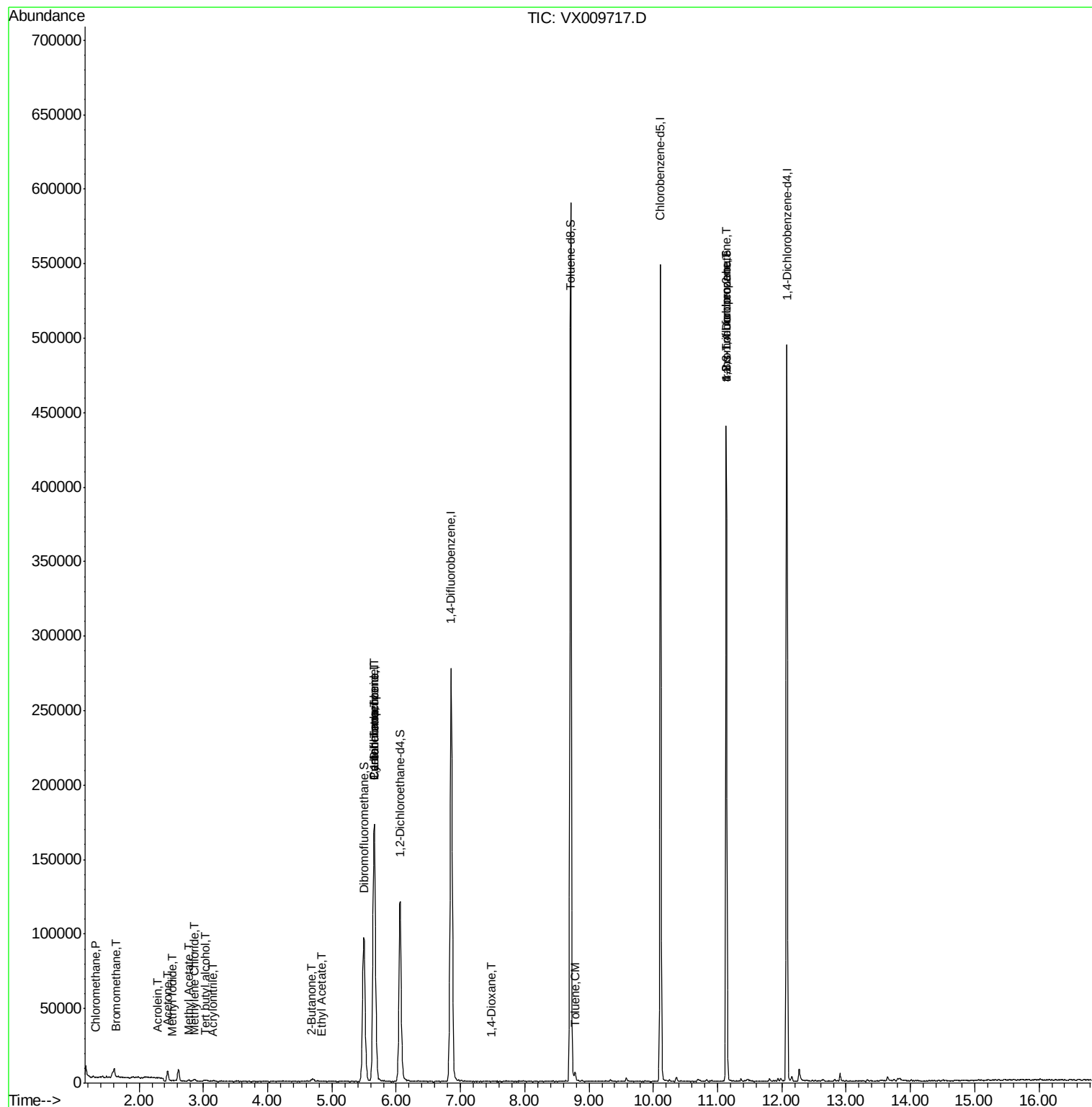
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	597	0.281	ug/l	95
5) Bromomethane	1.64	94	451	0.362	ug/l #	49
10) Methyl Iodide	2.51	142	133	4.659	ug/l #	82
11) Tert butyl alcohol	3.04	59	909	1.700	ug/l #	78
13) Acrolein	2.28	56	261	0.539	ug/l #	14
15) Acrylonitrile	3.14	53	293	0.224	ug/l #	10
16) Acetone	2.44	43	7980	6.435	ug/l	93
18) Methyl Acetate	2.78	43	1289	0.437	ug/l	98
20) Methylene Chloride	2.87	84	511	0.255	ug/l #	75
25) 2-Butanone	4.68	43	416	0.216	ug/l #	47
28) Bromochloromethane	5.01	49	75	Below Cal	#	20
31) Cyclohexane	5.66	56	4003	1.172	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12828	5.097	ug/l #	50
37) Ethyl Acetate	4.84	43	857	0.244	ug/l #	79
38) Carbon Tetrachloride	5.66	117	15968	6.983	ug/l #	16
49) 1,4-Dioxane	7.49	88	19	0.337	ug/l #	1
52) Toluene	8.78	92	1956	0.413	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	57582	24.258	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	57582	62.067	ug/l #	10

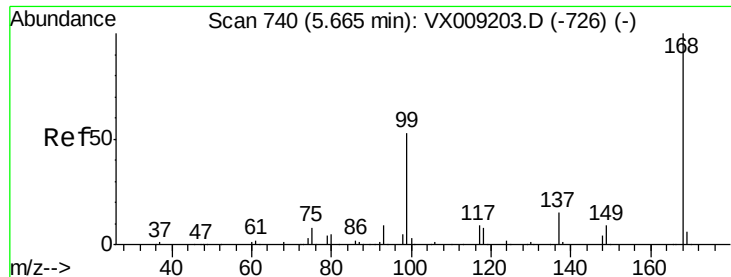
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052019\
Data File : VX009717.D
Acq On : 20 May 2019 11:45
Operator : JC/SP
Sample : K2901-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-051519

Quant Time: May 21 07:39:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

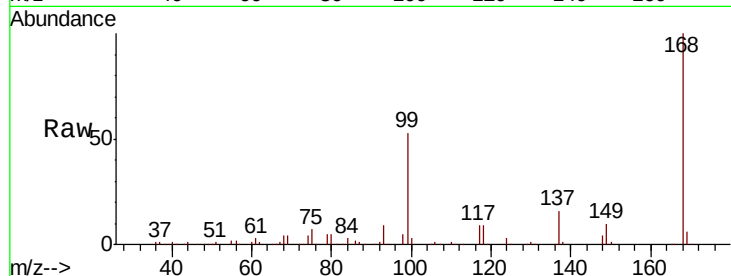
FB-051519

Tot Ion:168 Resp: 169169

Ion Ratio Lower Upper

168 100

99 52.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

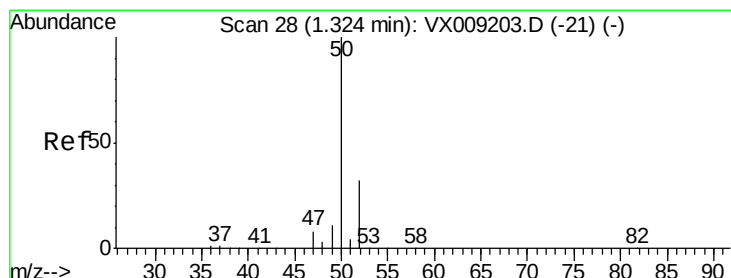
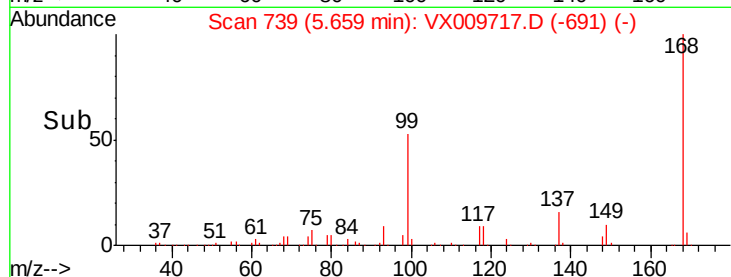
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.281 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009717.D

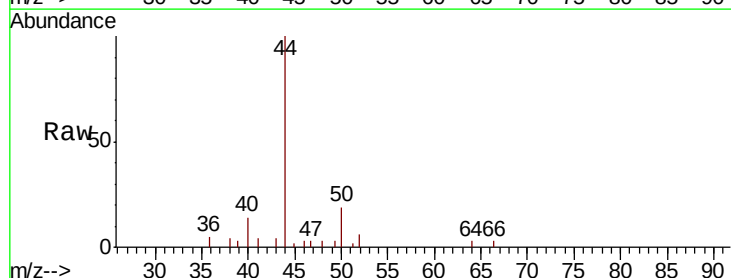
Acq: 20 May 2019 11:45

Tgt Ion: 50 Resp: 597

Ion Ratio Lower Upper

50 100

52 29.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

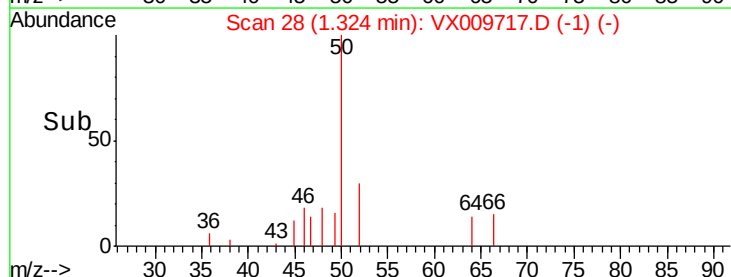
300

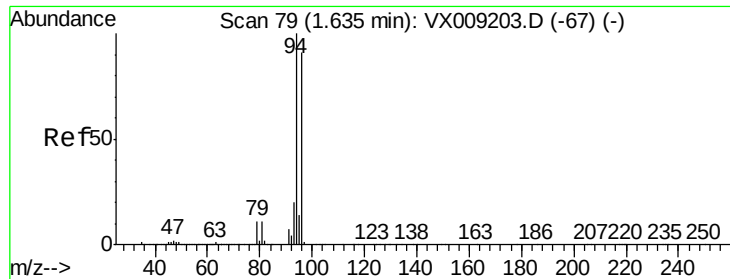
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.362 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

Instrument :

MSVOA_X

ClientSampled :

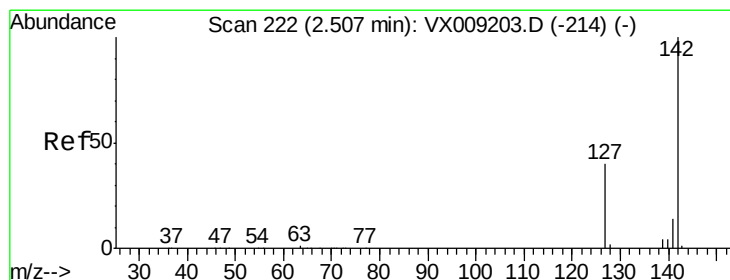
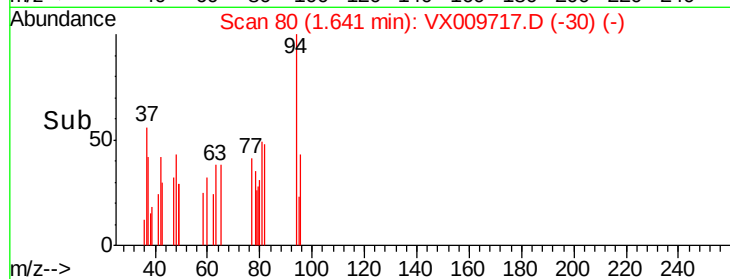
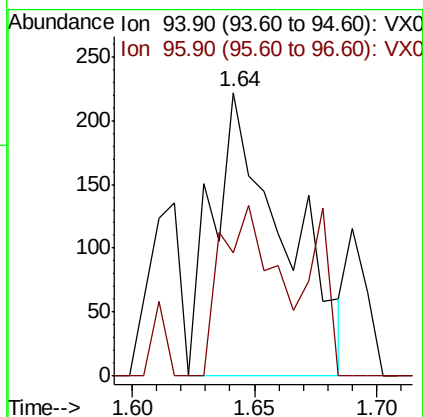
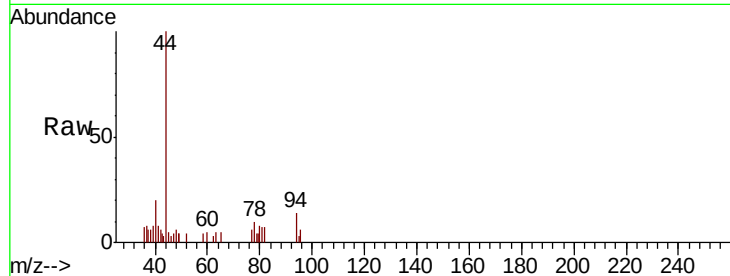
FB-051519

Tot Ion: 94 Resp: 451

Ion Ratio Lower Upper

94 100

96 43.2 73.0 109.6#



#10

Methyl Iodide

Concen: 4.659 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

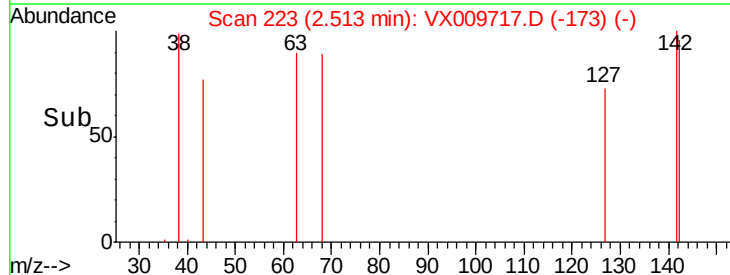
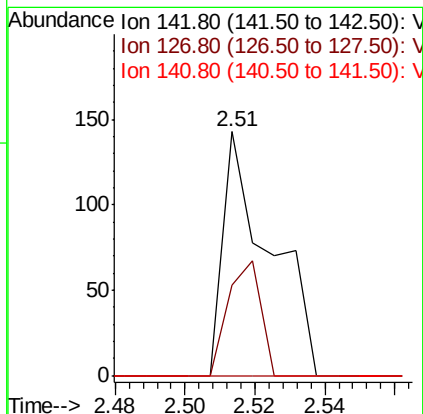
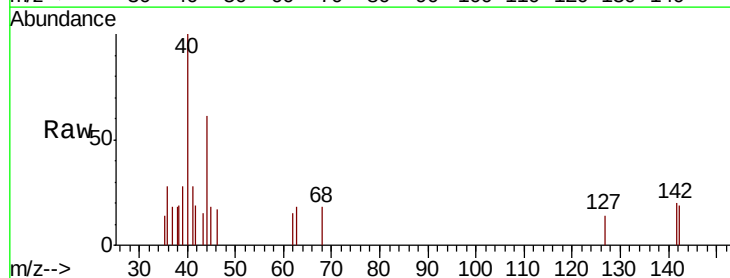
Tgt Ion: 142 Resp: 133

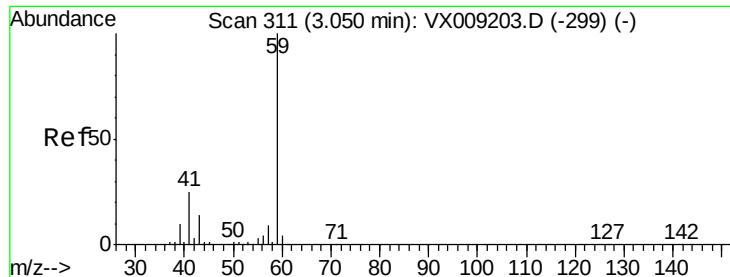
Ion Ratio Lower Upper

142 100

127 33.1 32.7 49.1

141 0.0 11.5 17.3#

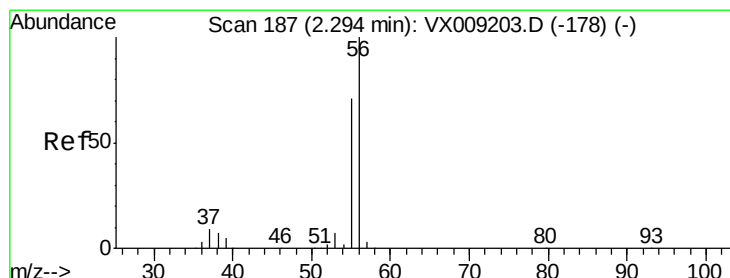
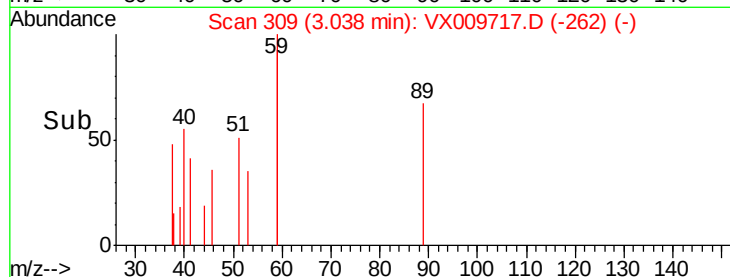
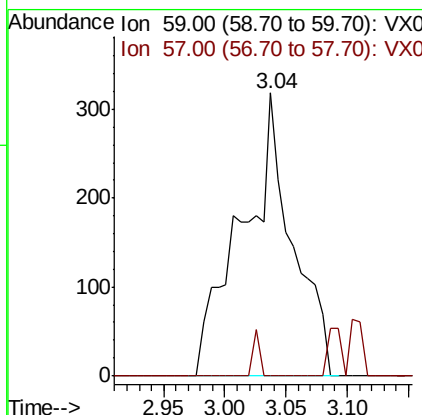
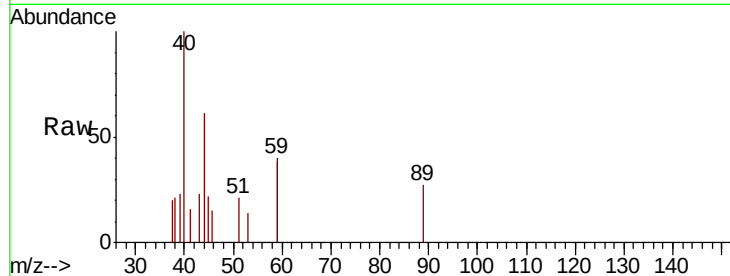




#11
Tert butyl alcohol
Concen: 1.700 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

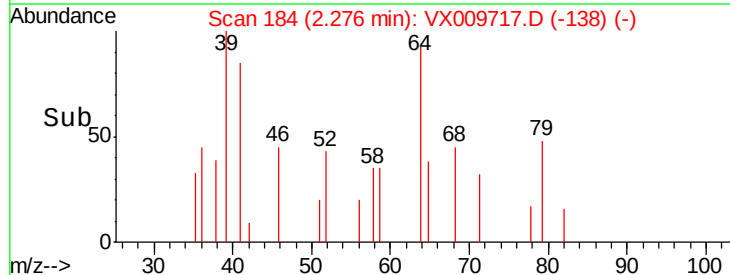
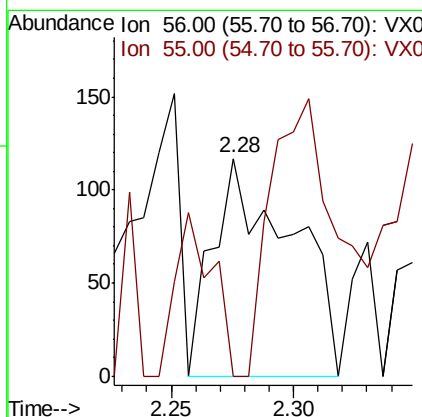
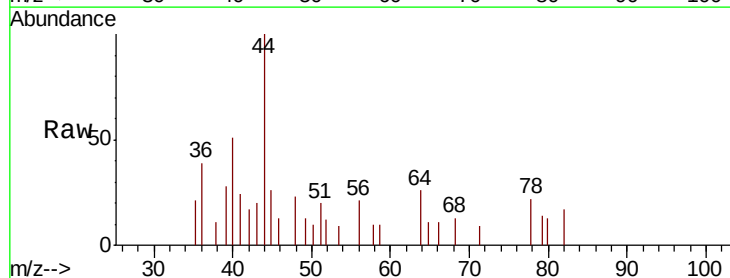
Instrument :
MSVOA_X
ClientSampleId :
FB-051519

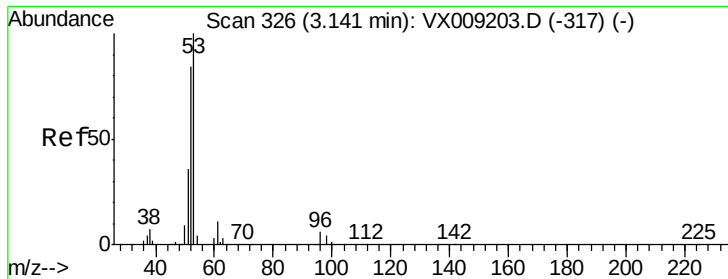
Tot Ion: 59 Resp: 909
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.2#



#13
Acrolein
Concen: 0.539 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

Tgt Ion: 56 Resp: 261
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#





#15

Acrylonitrile

Concen: 0.224 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

Instrument :

MSVOA_X

ClientSampled :

FB-051519

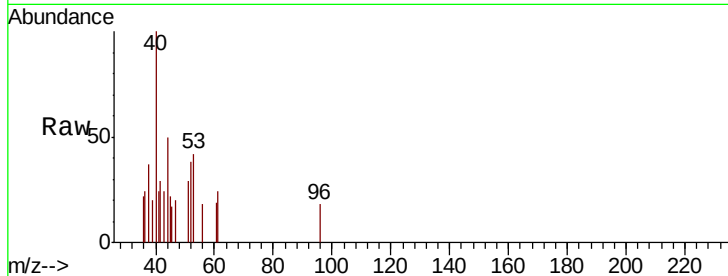
Tot Ion: 53 Resp: 293

Ion Ratio Lower Upper

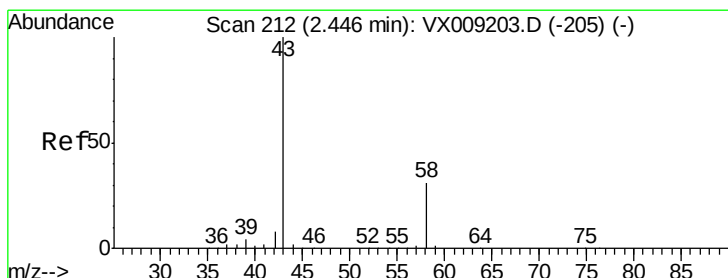
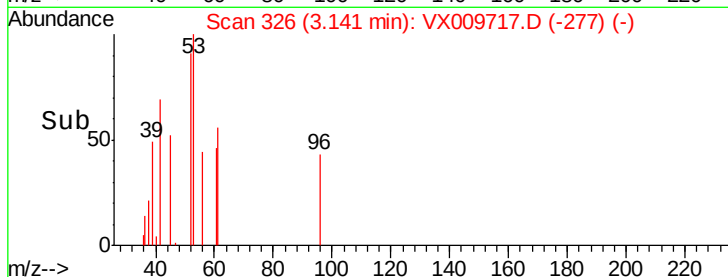
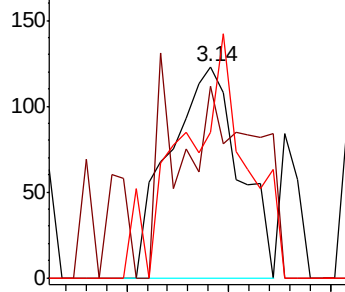
53 100

52 13.7 66.9 100.3#

51 104.1 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 6.435 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009717.D

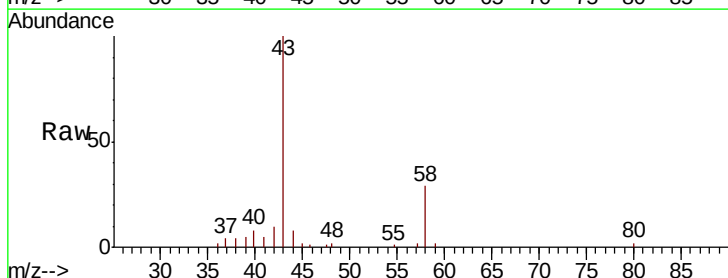
Acq: 20 May 2019 11:45

Tgt Ion: 43 Resp: 7980

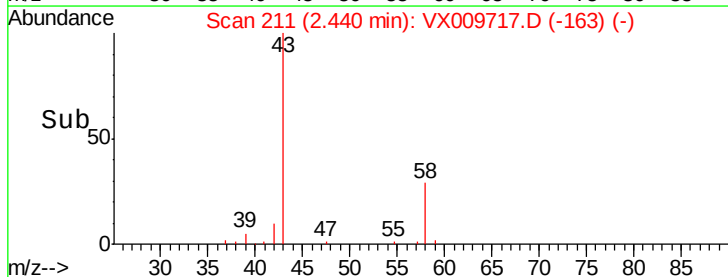
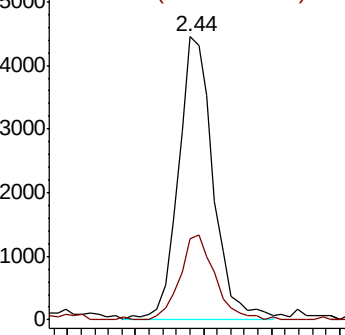
Ion Ratio Lower Upper

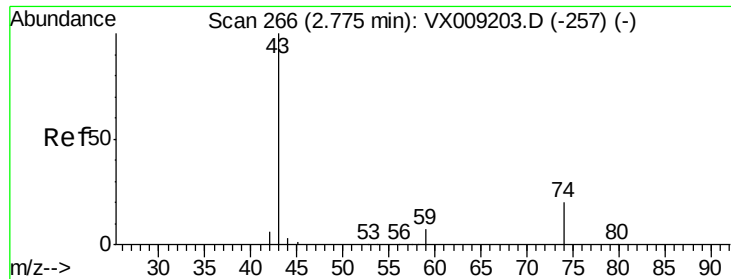
43 100

58 27.4 24.9 37.3



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

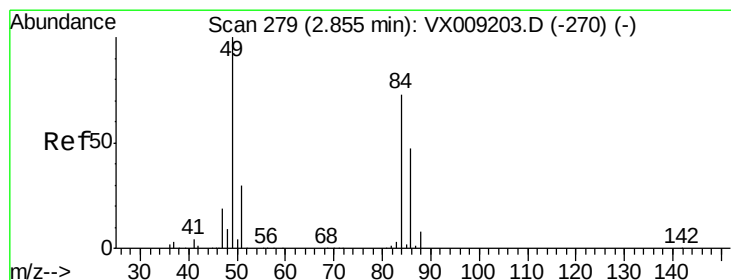
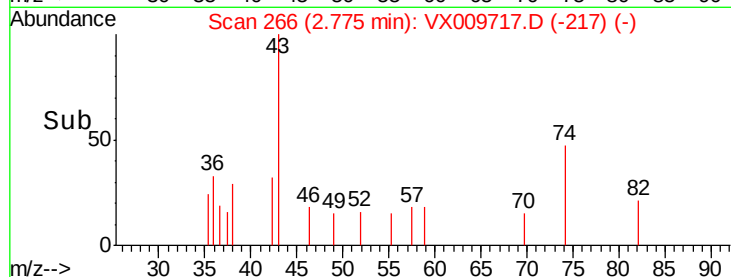
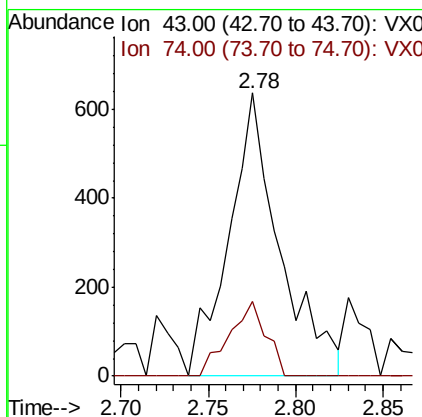
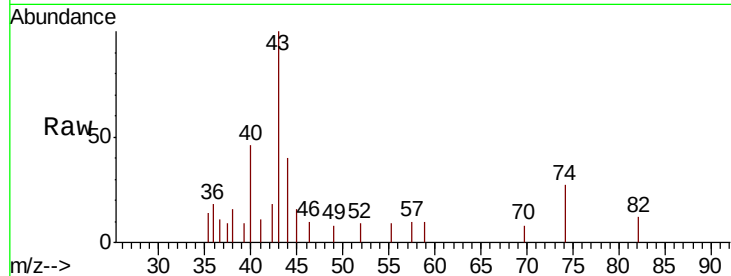




#18
Methyl Acetate
Concen: 0.437 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

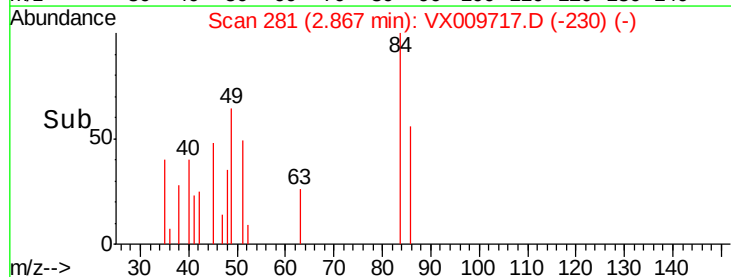
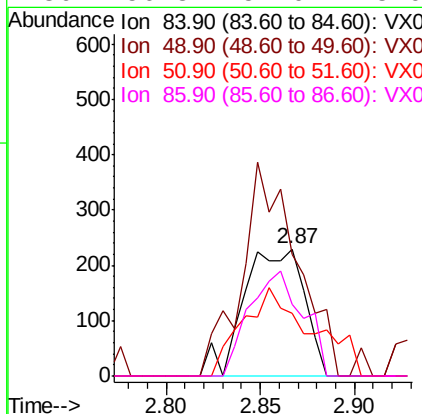
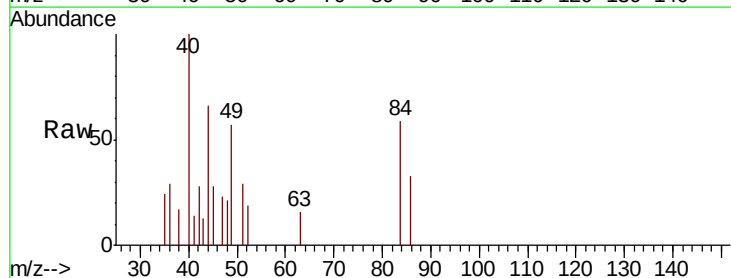
Instrument :
MSVOA_X
ClientSampleId :
FB-051519

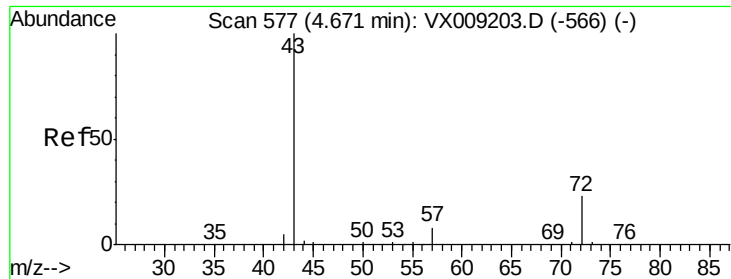
Tot Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
74 19.2 16.2 24.4



#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

Tgt Ion: 84 Resp: 511
Ion Ratio Lower Upper
84 100
49 96.1 109.9 164.9#
51 49.3 32.7 49.1#
86 56.3 52.0 78.0

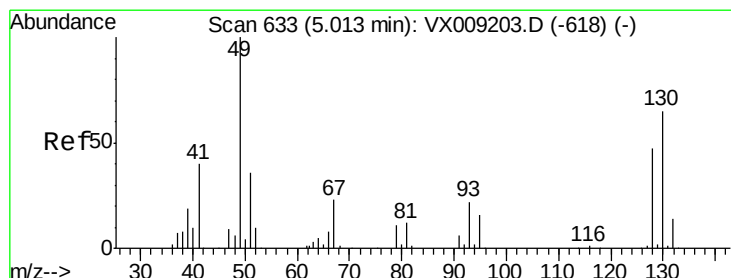
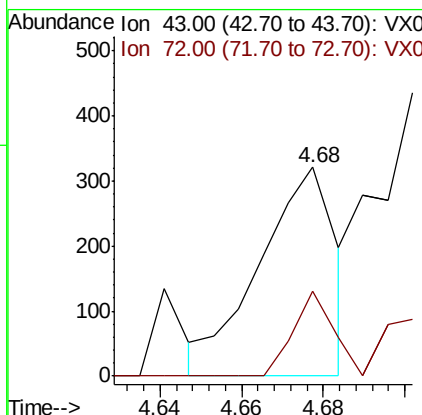
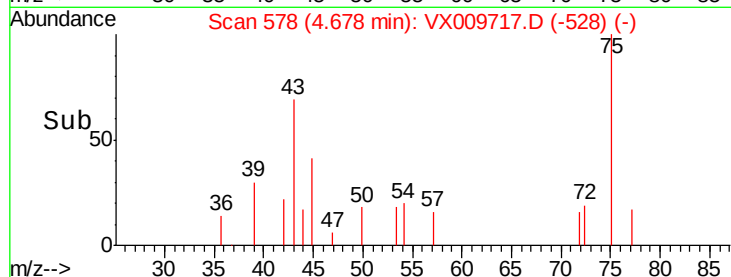
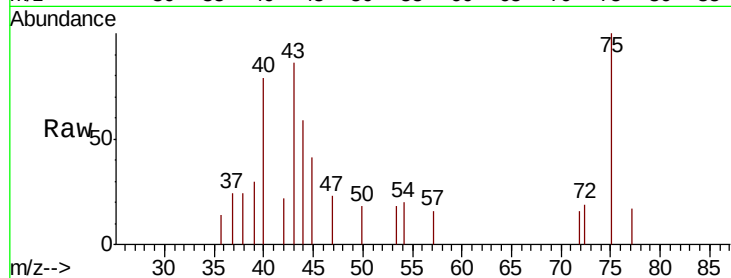




#25
 2-Butanone
 Concen: 0.216 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX009717.D
 Acq: 20 May 2019 11:45

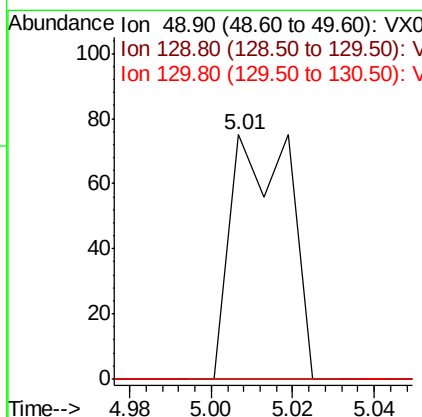
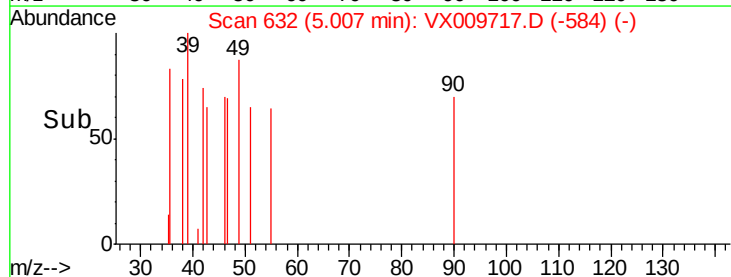
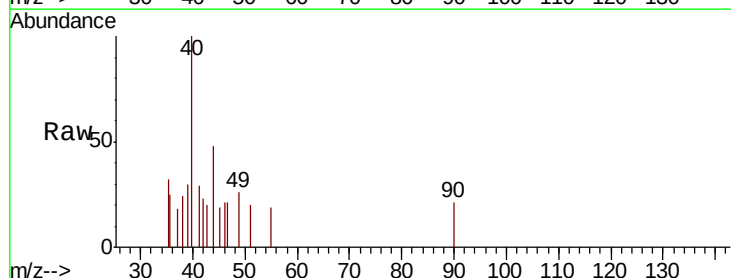
Instrument :
 MSVOA_X
 ClientSampled :
 FB-051519

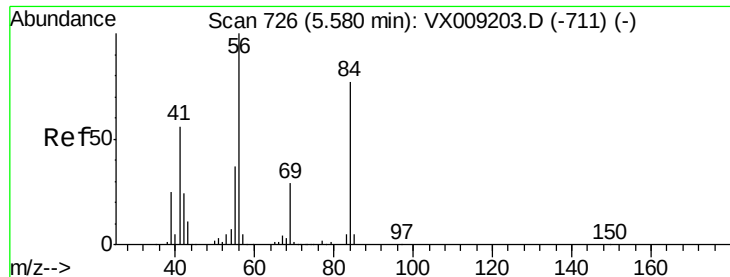
Tot Ion: 43 Resp: 416
 Ion Ratio Lower Upper
 43 100
 72 48.3 18.2 27.2#



#28
 Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009717.D
 Acq: 20 May 2019 11:45

Tgt Ion: 49 Resp: 75
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 0.0 51.2 76.8#

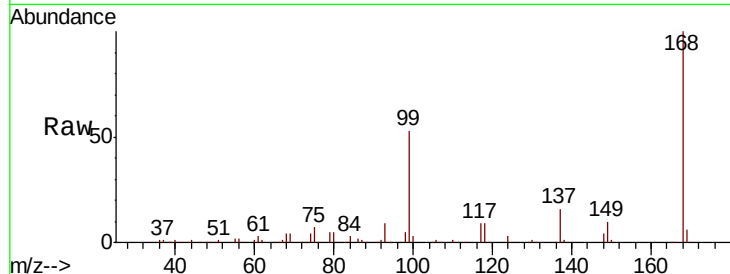




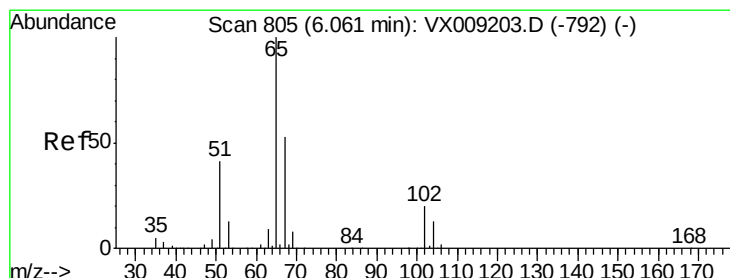
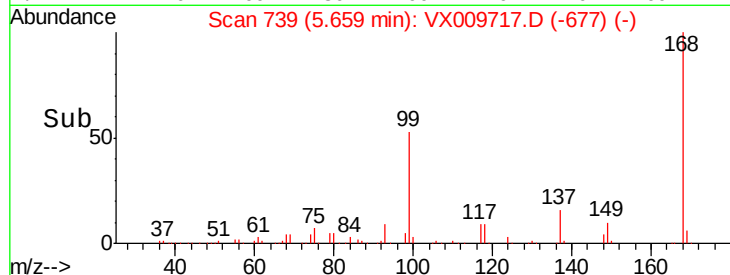
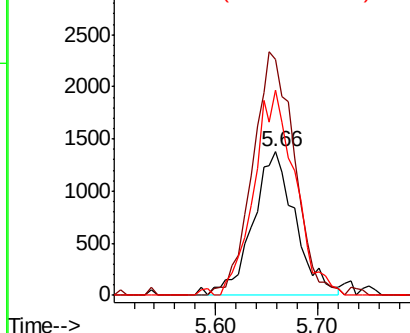
#31
Cyclohexane
Concen: 1.172 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

Instrument :
MSVOA_X
ClientSampleId :
FB-051519

Tot Ion: 56 Resp: 4003
Ion Ratio Lower Upper
56 100
69 164.0 23.4 35.0#
84 142.5 61.9 92.9#

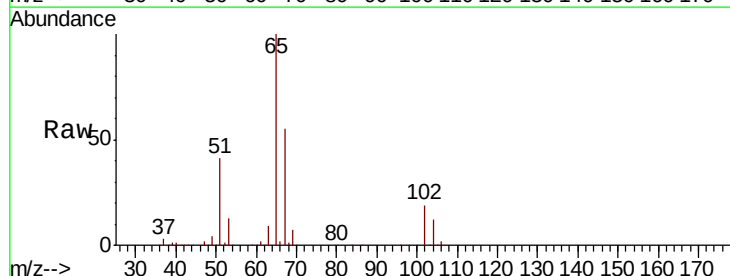


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

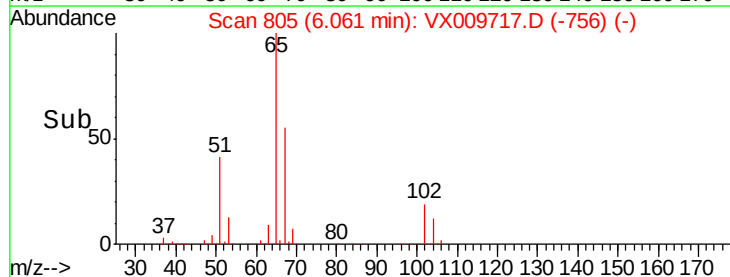
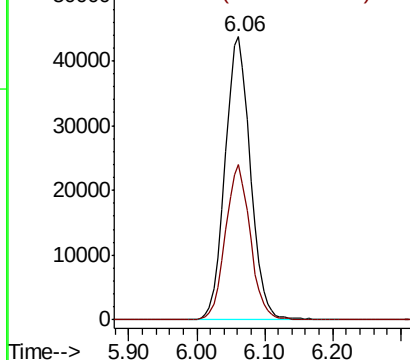


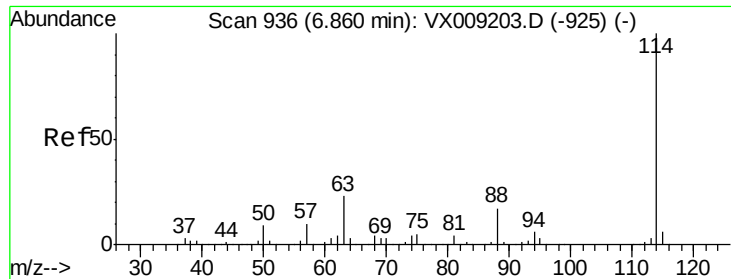
#33
1,2-Dichloroethane-d4
Concen: 48.977 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

Tgt Ion: 65 Resp: 113105
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.6



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

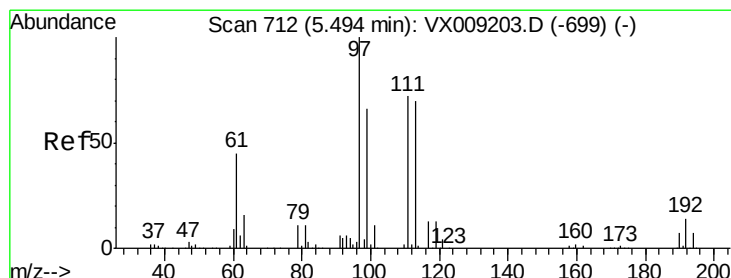
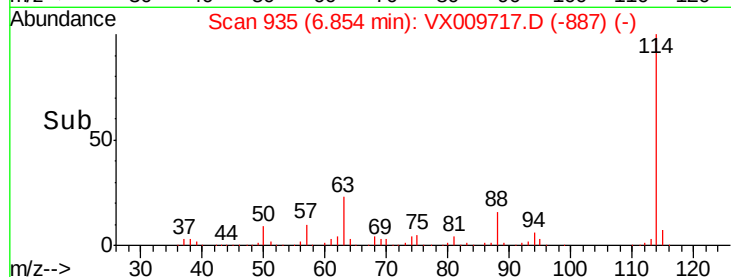
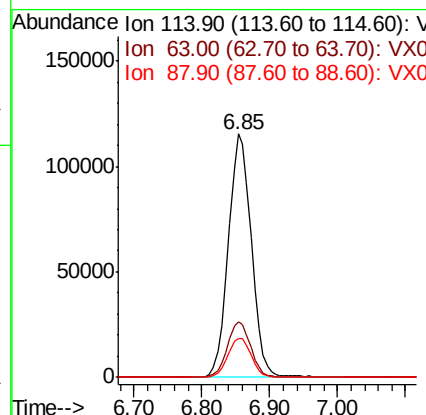
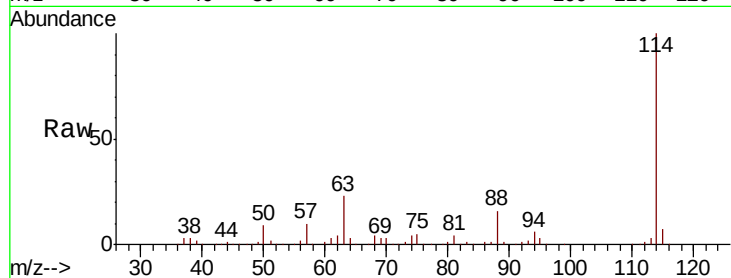




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009717.D
 Acq: 20 May 2019 11:45

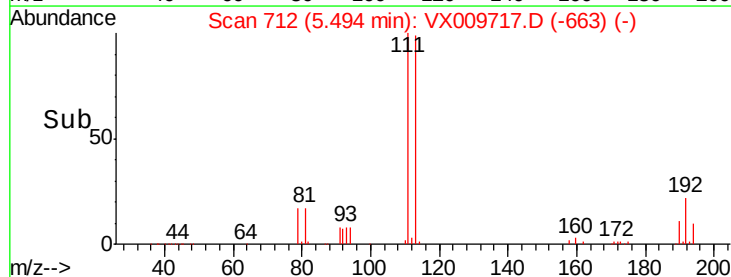
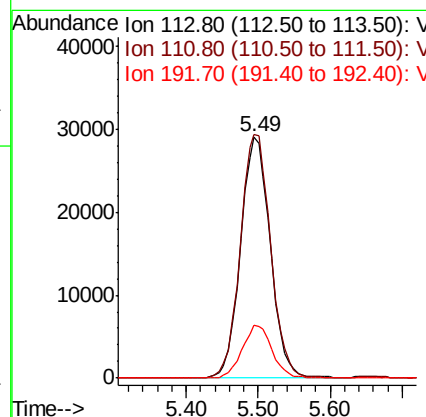
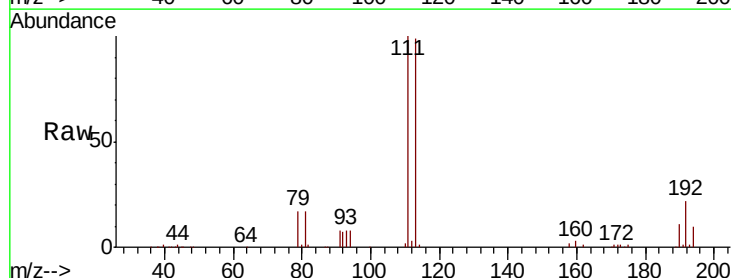
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-051519

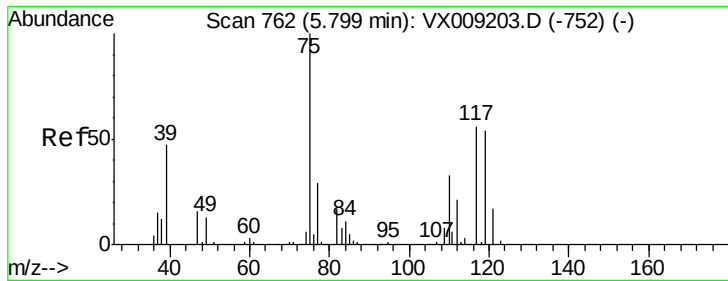
Tot Ion:114 Resp: 270841
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.2 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.855 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009717.D
 Acq: 20 May 2019 11:45

Tgt Ion:113 Resp: 83181
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 21.9 17.0 25.6

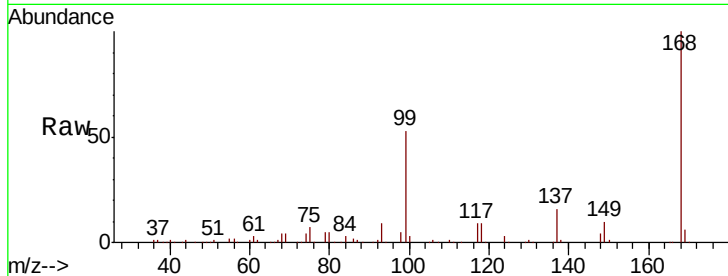




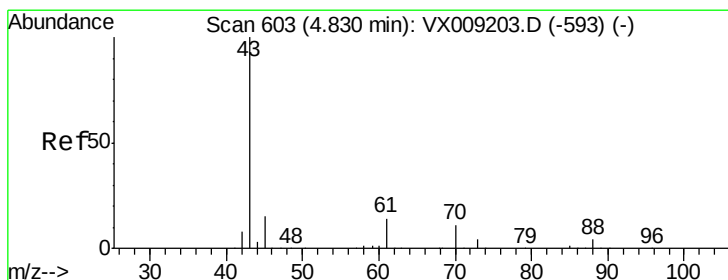
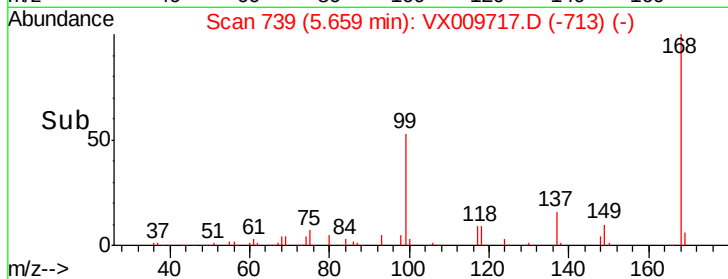
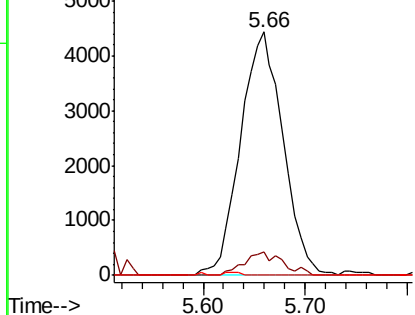
#36
 1,1-Dichloropropene
 Concen: 5.097 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009717.D
 Acq: 20 May 2019 11:45

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-051519

Tot Ion: 75 Resp: 12828
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#

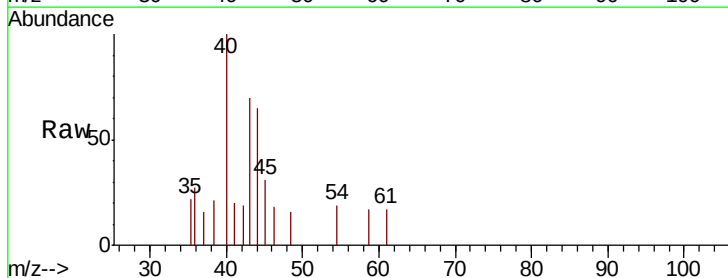


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

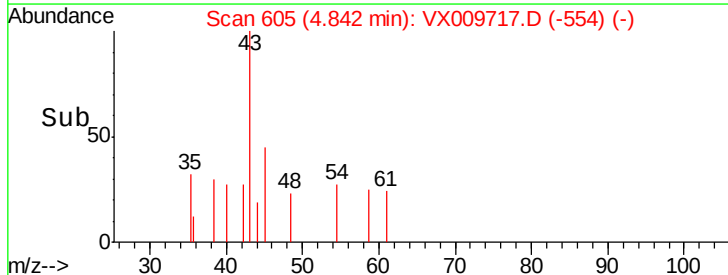
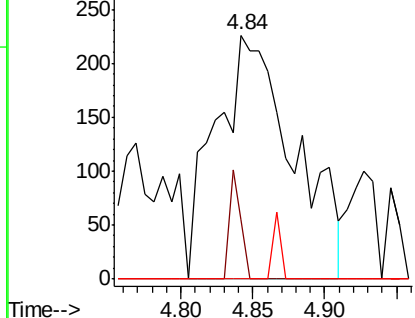


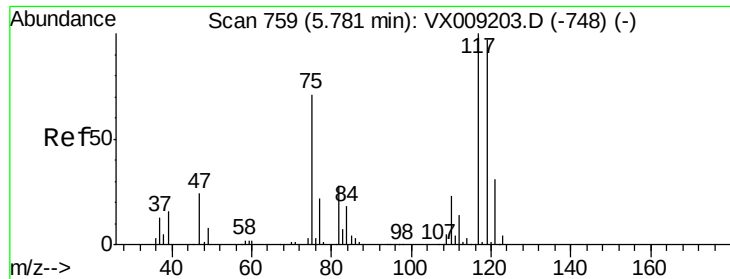
#37
 Ethyl Acetate
 Concen: 0.244 ug/l
 RT: 4.84 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX009717.D
 Acq: 20 May 2019 11:45

Tgt Ion: 43 Resp: 857
 Ion Ratio Lower Upper
 43 100
 61 6.7 10.5 15.7#
 70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.983 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

Instrument :

MSVOA_X

ClientSampled :

FB-051519

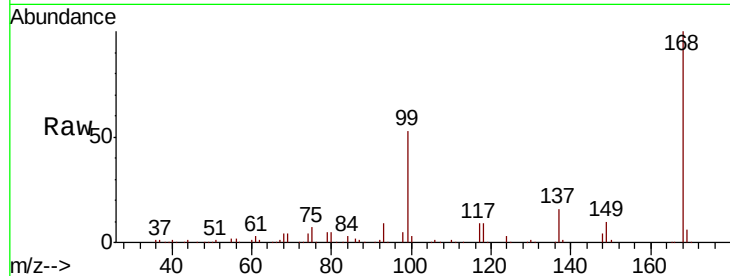
Tot Ion: 117 Resp: 15968

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

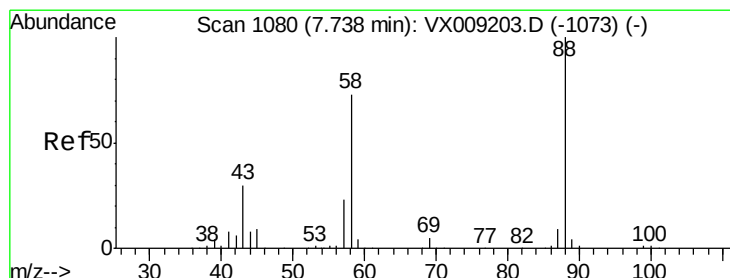
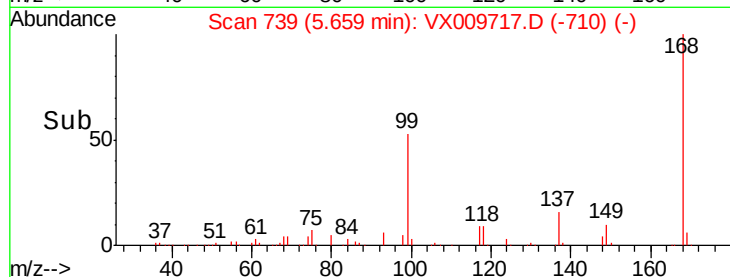
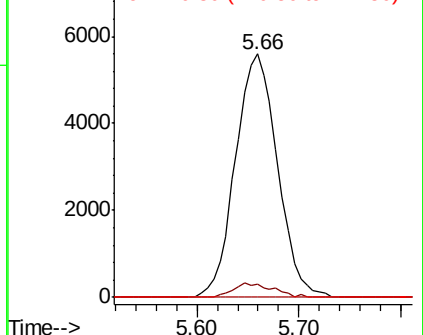
121 0.0 24.7 37.1#



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: 0.337 ug/l

RT: 7.49 min Scan# 1039

Delta R.T. -0.25 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

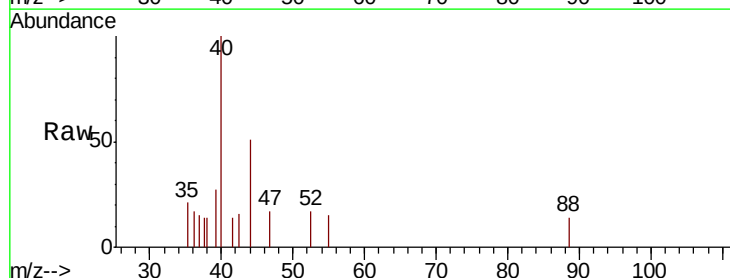
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 400.0 28.6 42.8#

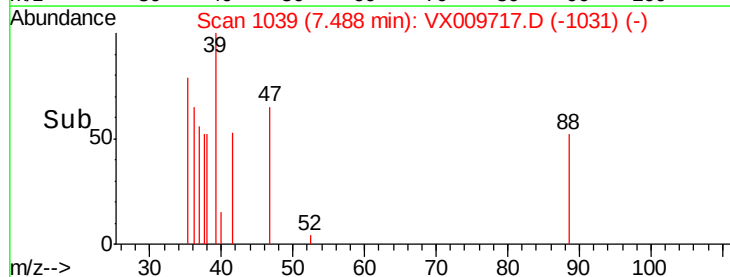
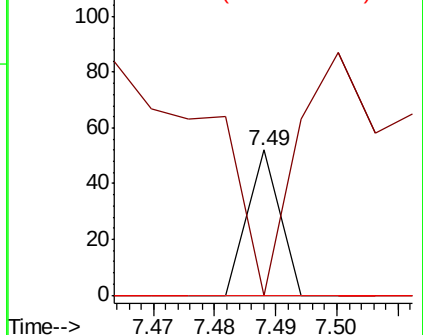
58 0.0 61.7 92.5#

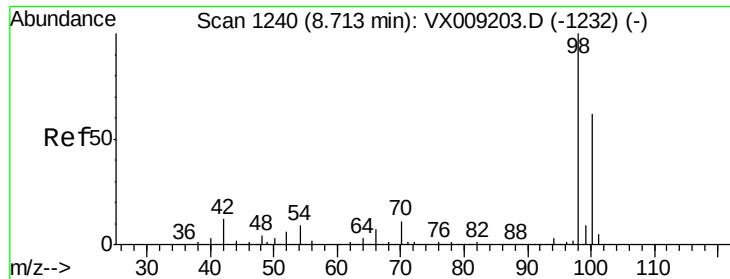


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

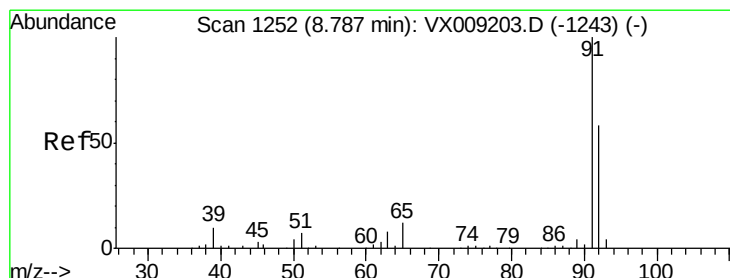
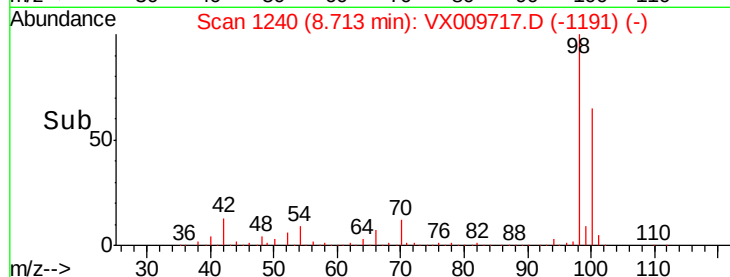
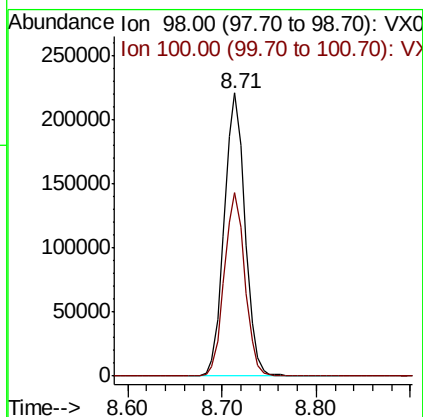
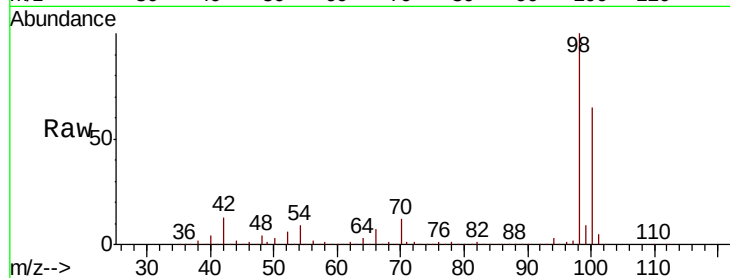




#50
Toluene-d8
Concen: 49.290 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

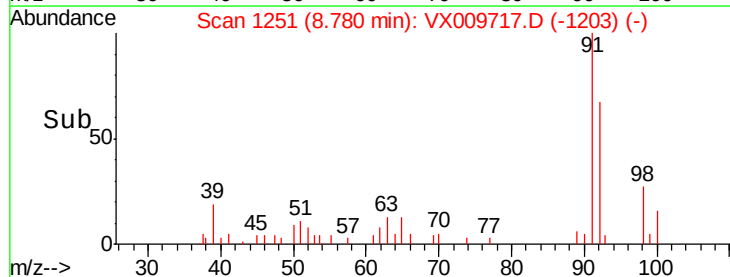
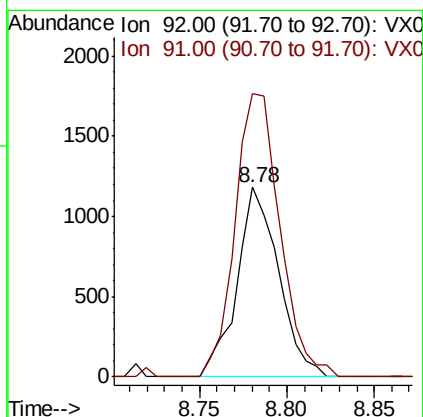
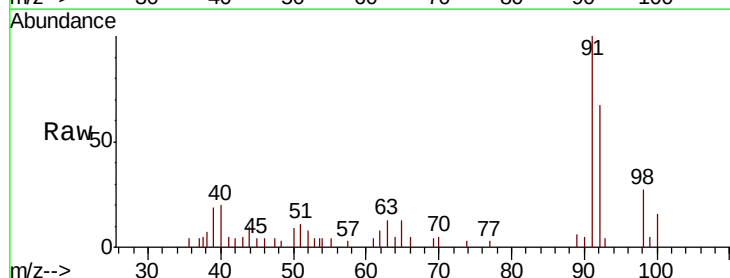
Instrument :
MSVOA_X
ClientSampleId :
FB-051519

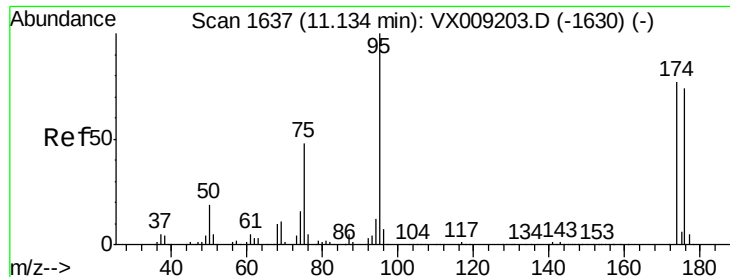
Tot Ion: 98 Resp: 338811
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



#52
Toluene
Concen: 0.413 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009717.D
Acq: 20 May 2019 11:45

Tgt Ion: 92 Resp: 1956
Ion Ratio Lower Upper
92 100
91 161.6 138.8 208.2





#62

4-Bromofluorobenzene

Concen: 45.217 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

FB-051519

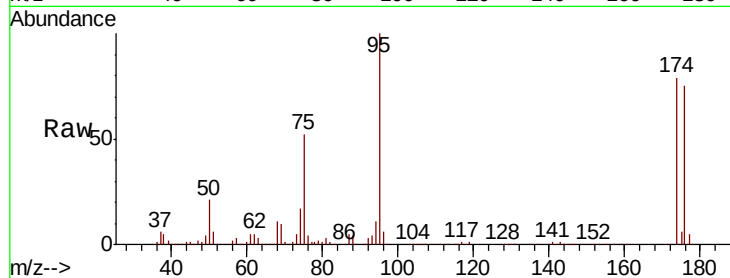
Tot Ion: 95 Resp: 112940

Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

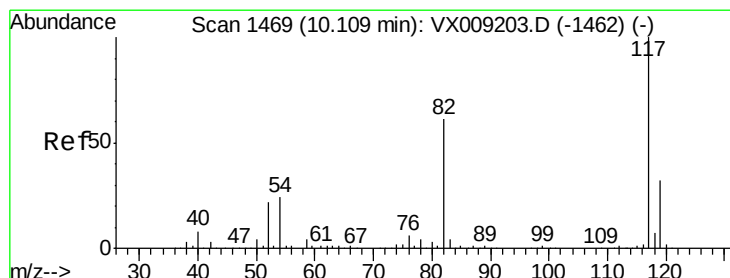
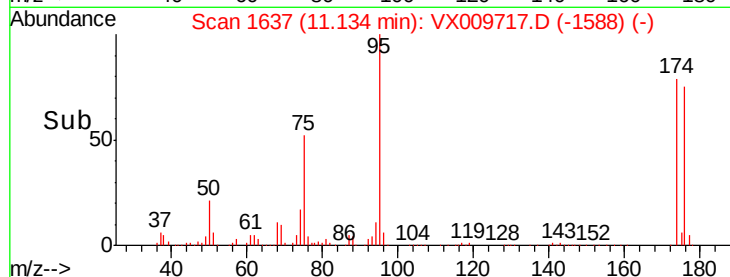
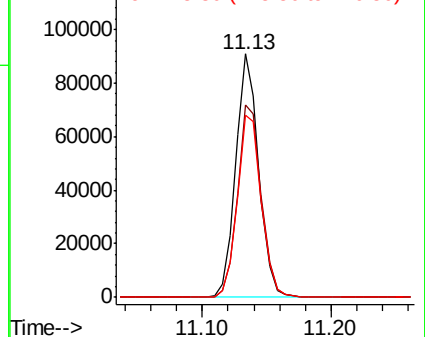
176 78.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

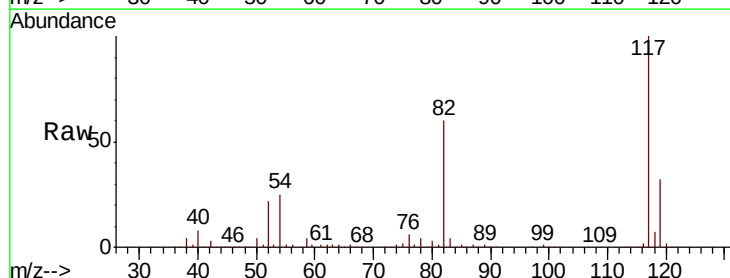
Tgt Ion: 117 Resp: 237710

Ion Ratio Lower Upper

117 100

82 60.4 48.8 73.2

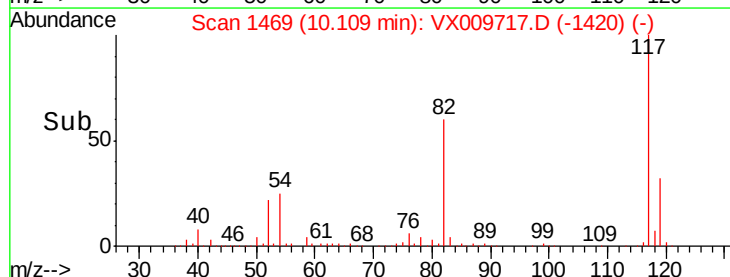
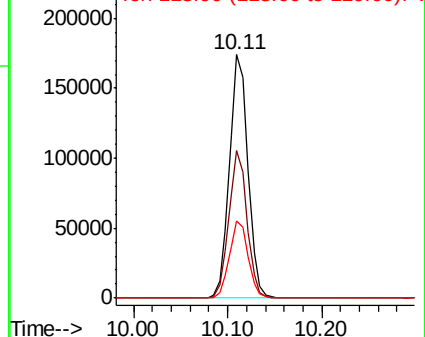
119 31.6 25.8 38.6

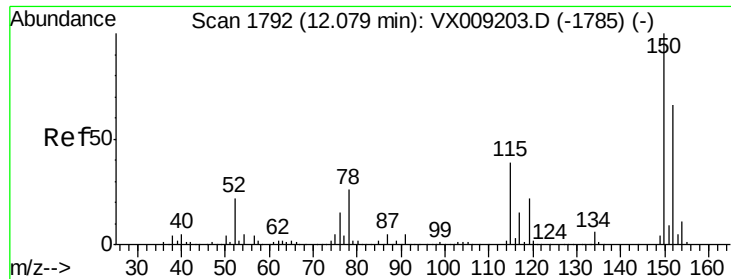


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

FB-051519

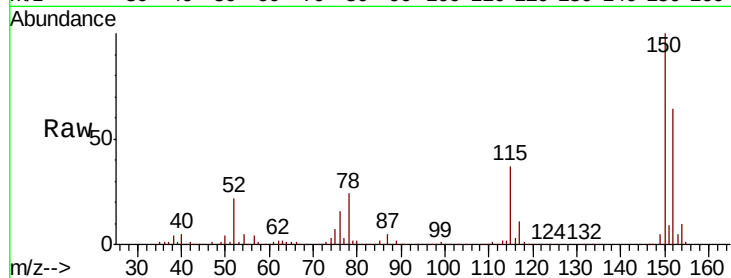
Tot Ion:152 Resp: 102332

Ion Ratio Lower Upper

152 100

115 59.3 41.2 123.6

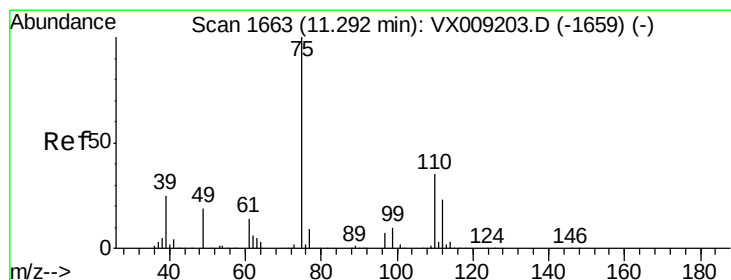
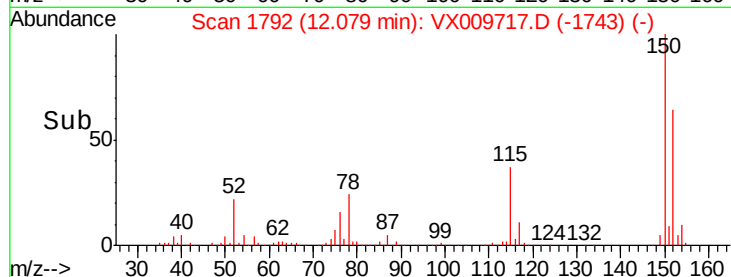
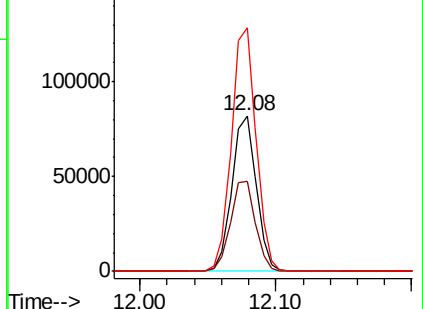
150 157.9 0.0 346.4



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: 24.258 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009717.D

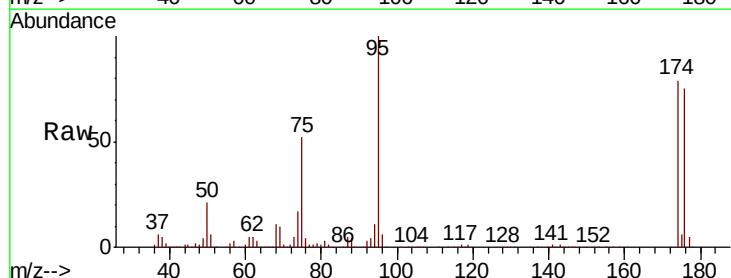
Acq: 20 May 2019 11:45

Tgt Ion: 75 Resp: 57582

Ion Ratio Lower Upper

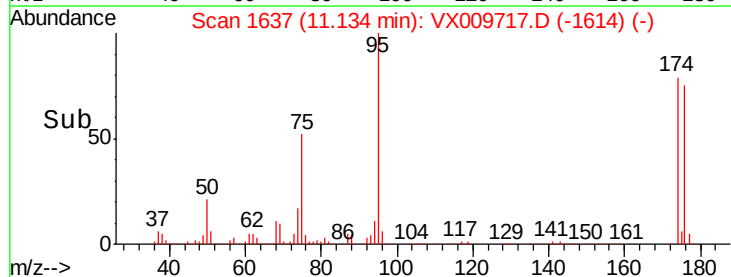
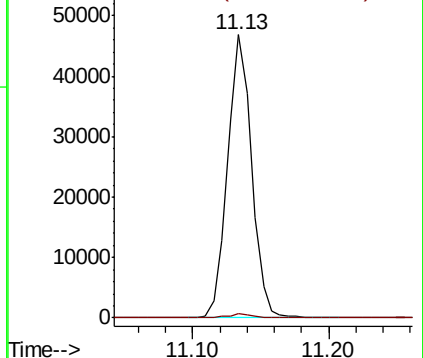
75 100

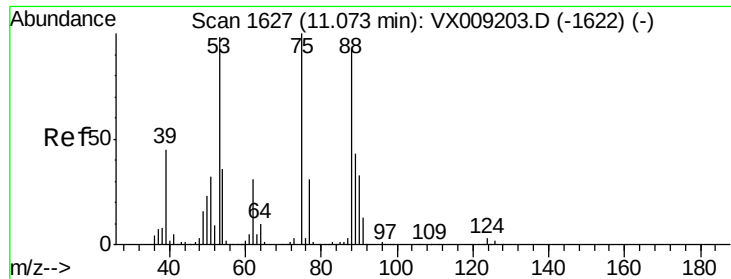
77 1.5 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.067 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009717.D

Acq: 20 May 2019 11:45

Instrument :

MSVOA_X

ClientSampleId :

FB-051519

Tot Ion: 75 Resp: 57582

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.1 34.7 52.1#

