

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041919\
 Data File : VX009074.D
 Acq On : 19 Apr 2019 16:41
 Operator : JC/SP
 Sample : K2487-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB

Quant Time: Apr 20 00:39:26 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	5.67	168	226487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369006	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	314123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	153143	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.50	113	110813	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	8.71	98	453765	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.13	95	146749	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

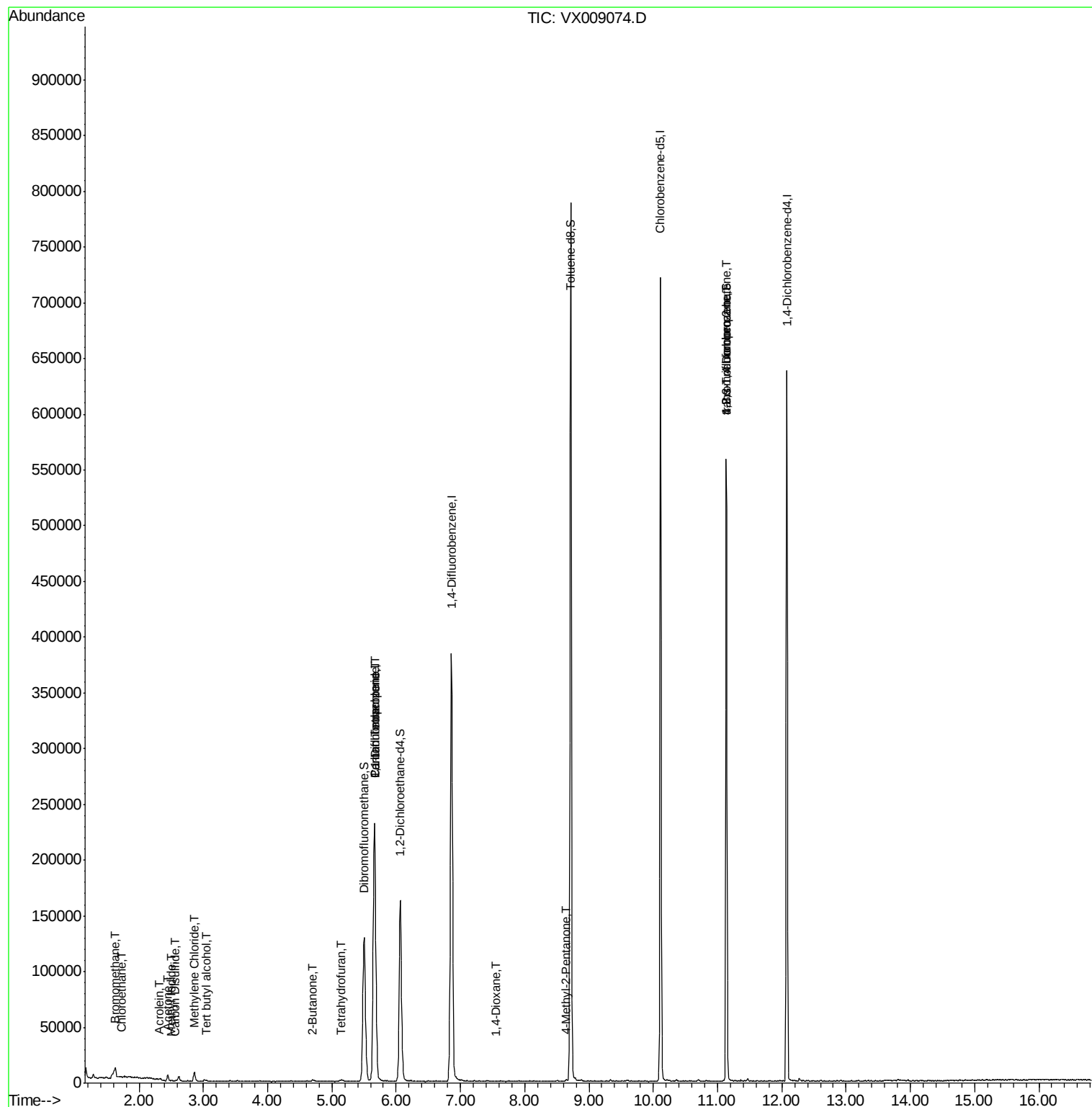
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	408	4.041	ug/l	92
6) Chloroethane	1.73	64	4264	2.326	ug/l #	48
10) Methyl Iodide	2.51	142	73	4.441	ug/l #	42
11) Tert butyl alcohol	3.05	59	813	1.147	ug/l #	92
13) Acrolein	2.32	56	335	0.547	ug/l #	14
16) Acetone	2.44	43	5663	3.421	ug/l	96
17) Carbon Disulfide	2.57	76	532	1.325	ug/l #	75
20) Methylene Chloride	2.85	84	3479	1.229	ug/l	91
25) 2-Butanone	4.70	43	1654	0.625	ug/l #	56
28) Bromochloromethane	5.03	49	22	Below Cal	#	21
29) Tetrahydrofuran	5.14	42	621	0.351	ug/l #	70
36) 1,1-Dichloropropene	5.66	75	18351	4.809	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21330	6.593	ug/l #	18
49) 1,4-Dioxane	7.55	88	19	0.260	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	1250	0.248	ug/l #	87
76) 1,2,3-Trichloropropane	11.13	75	75926	23.941	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	75926	61.464	ug/l #	11

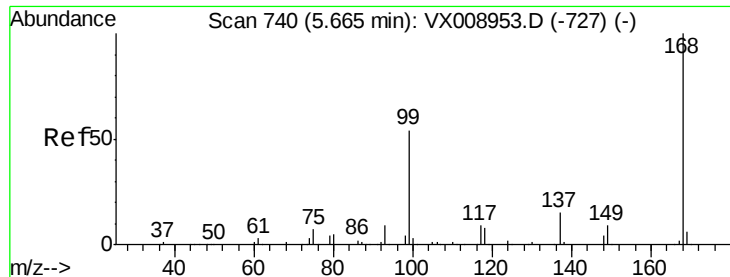
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

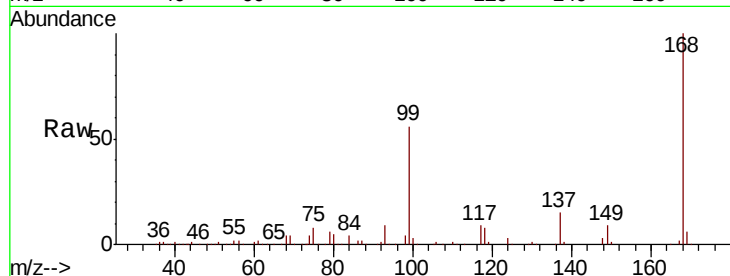
FB

Tot Ion:168 Resp: 226487

Ion Ratio Lower Upper

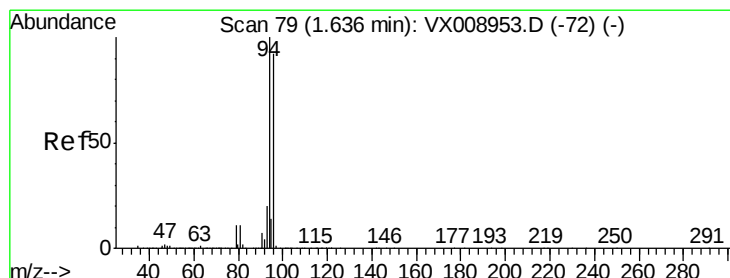
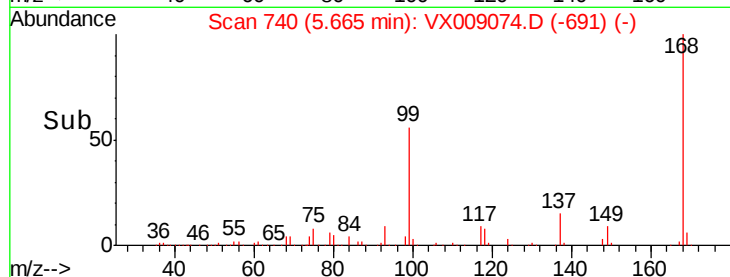
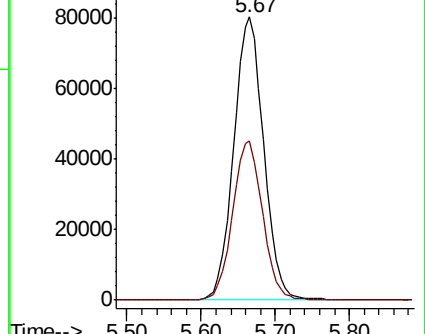
168 100

99 56.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 4.041 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009074.D

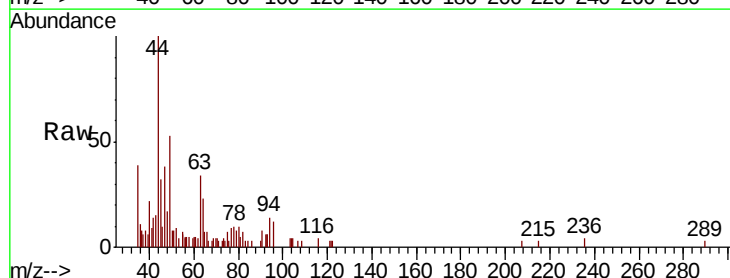
Acq: 19 Apr 2019 16:41

Tgt Ion: 94 Resp: 408

Ion Ratio Lower Upper

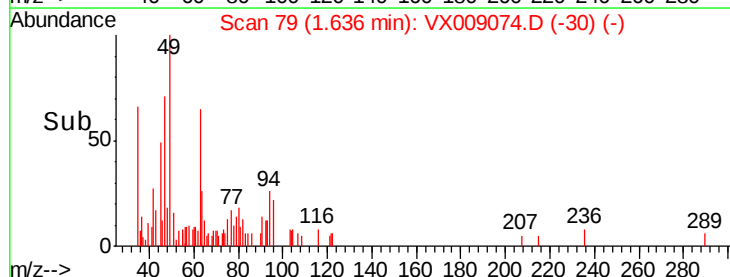
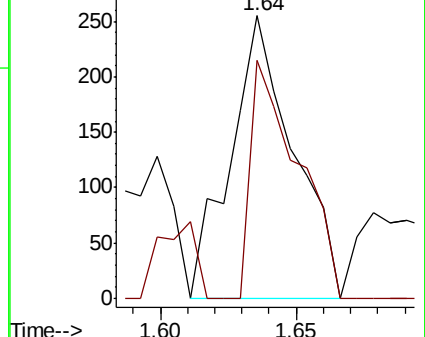
94 100

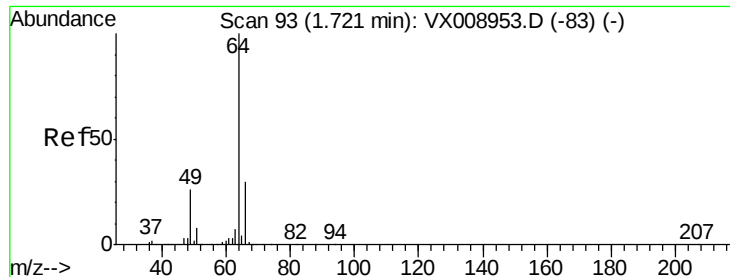
96 84.3 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 2.326 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

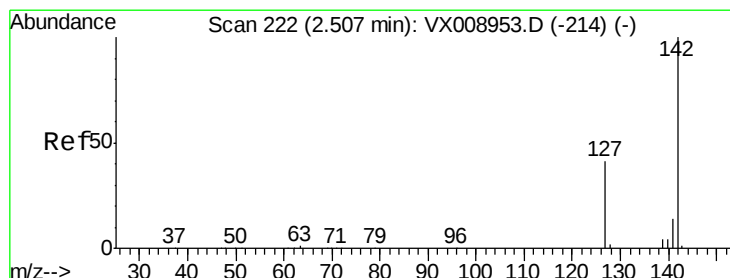
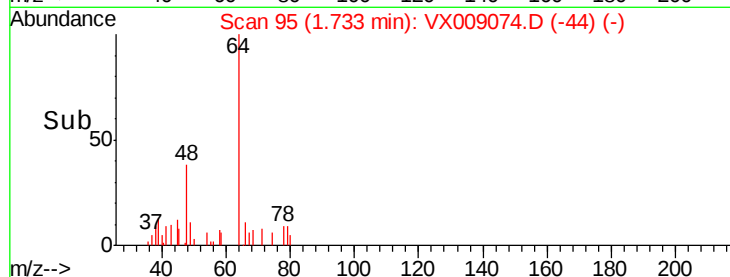
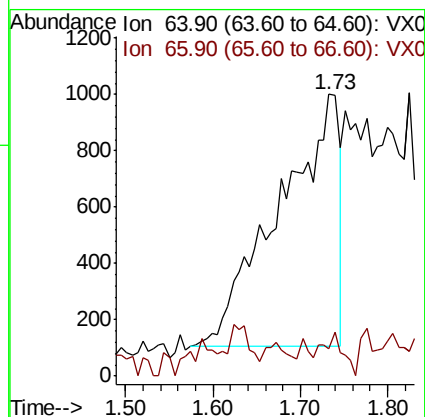
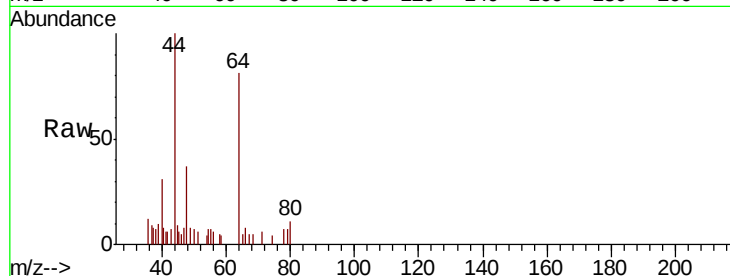
FB

Tot Ion: 64 Resp: 4264

Ion Ratio Lower Upper

64 100

66 1.7 24.2 36.2#



#10

Methyl Iodide

Concen: 4.441 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

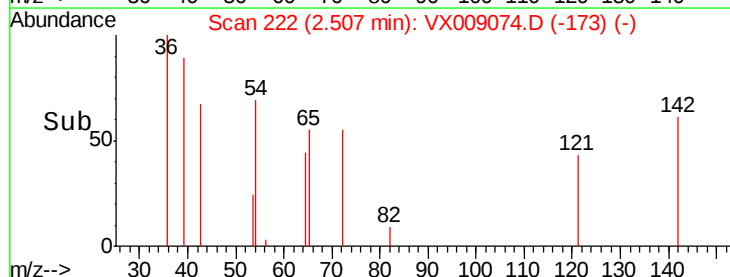
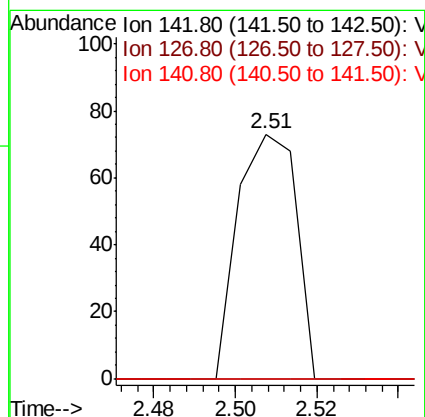
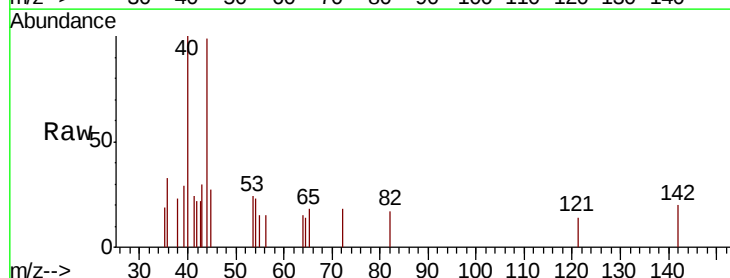
Tgt Ion: 142 Resp: 73

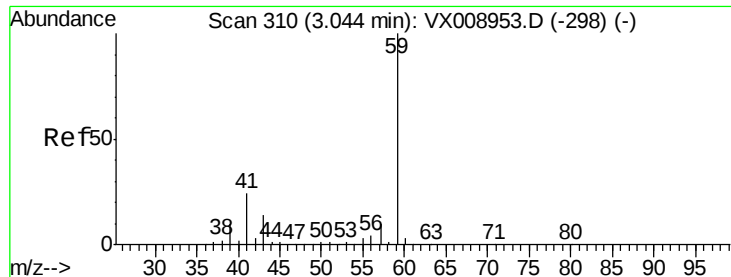
Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

141 0.0 11.4 17.2#

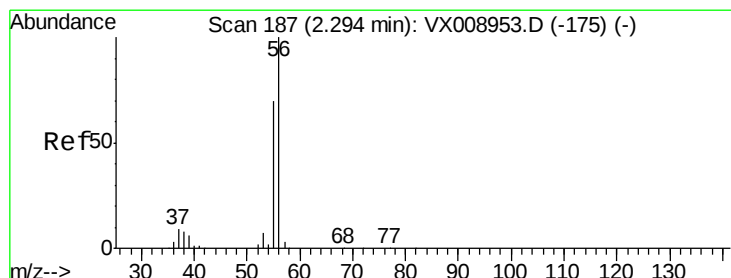
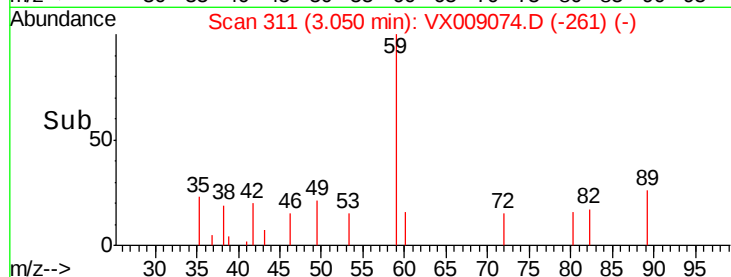
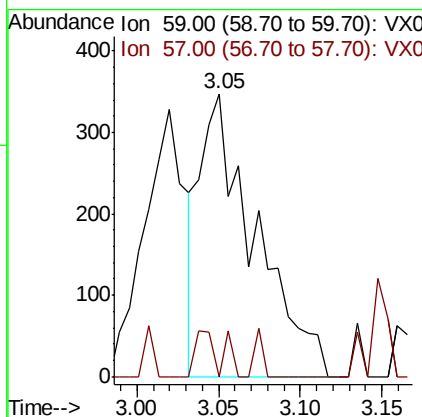
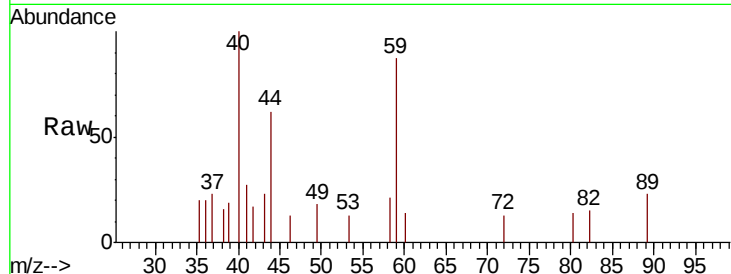




#11
Tert butyl alcohol
Concen: 1.147 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

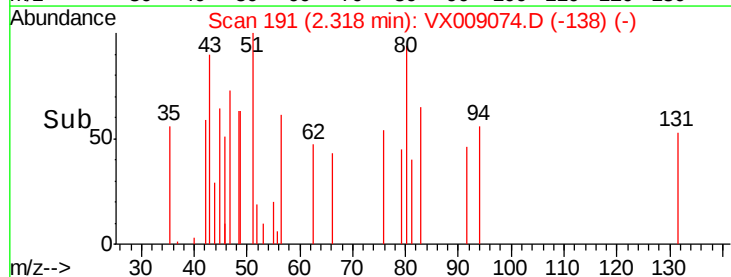
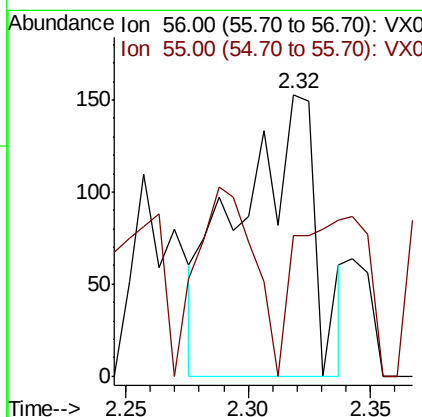
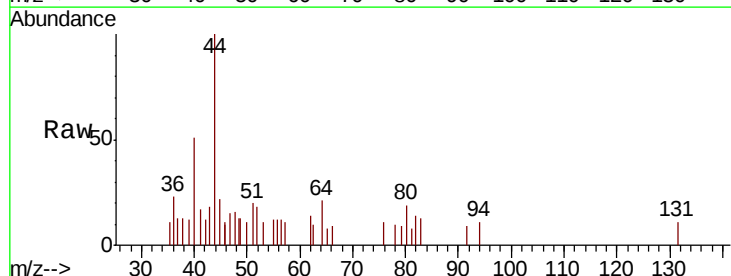
Instrument :
MSVOA_X
ClientSampled :
FB

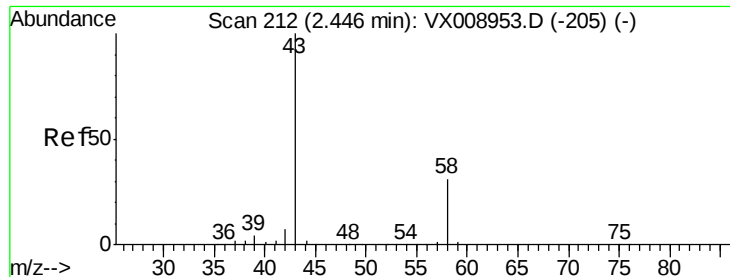
Tot Ion: 59 Resp: 813
Ion Ratio Lower Upper
59 100
57 7.5 8.4 12.6#



#13
Acrolein
Concen: 0.547 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#





#16

Acetone

Concen: 3.421 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

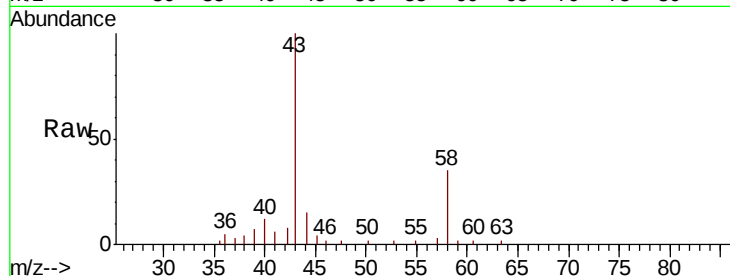
FB

Tot Ion: 43 Resp: 5663

Ion Ratio Lower Upper

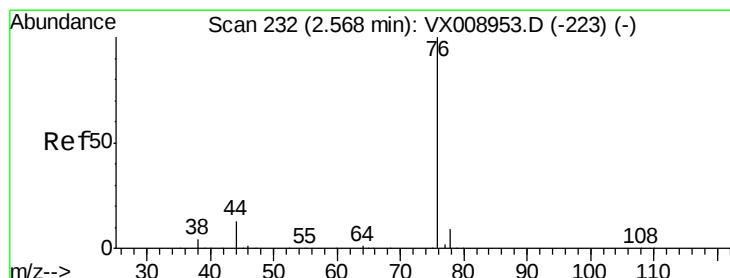
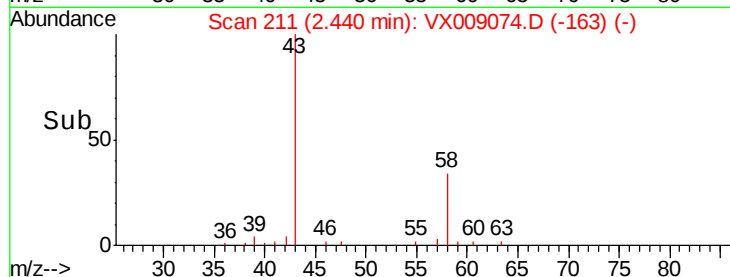
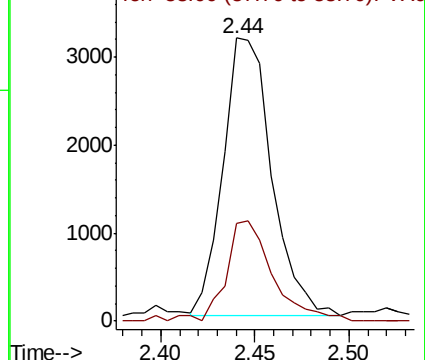
43 100

58 33.4 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: 1.325 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009074.D

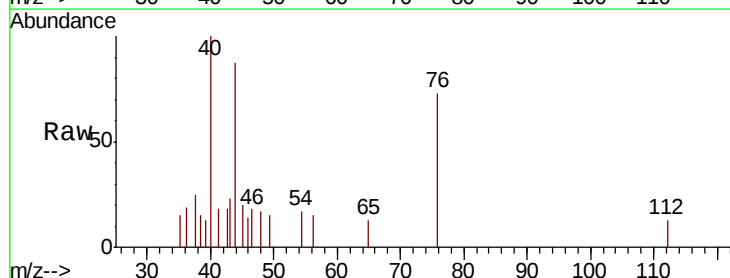
Acq: 19 Apr 2019 16:41

Tgt Ion: 76 Resp: 532

Ion Ratio Lower Upper

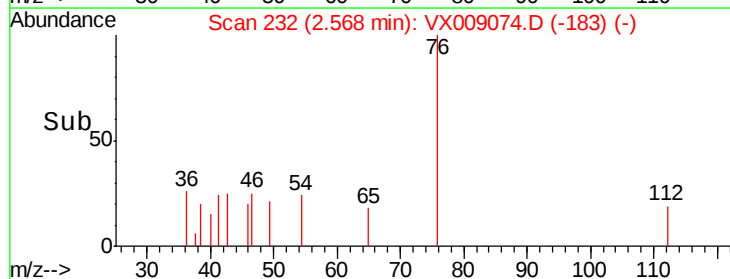
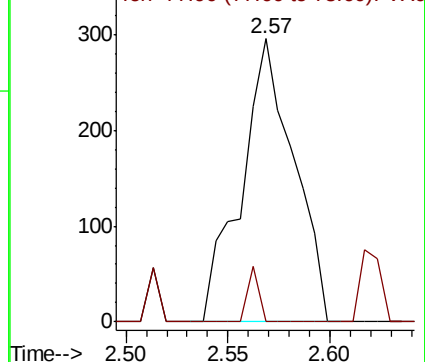
76 100

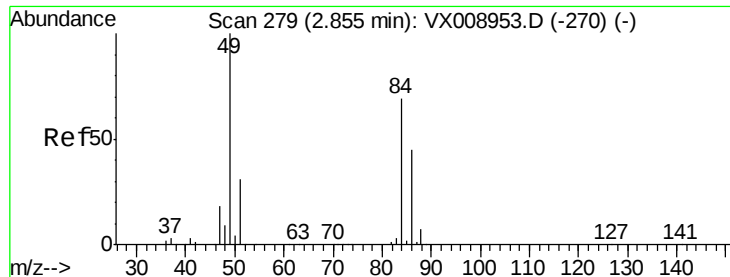
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

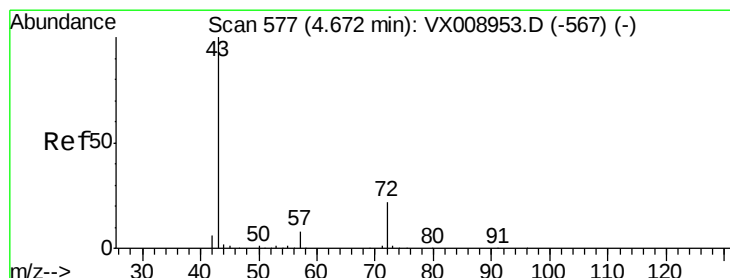
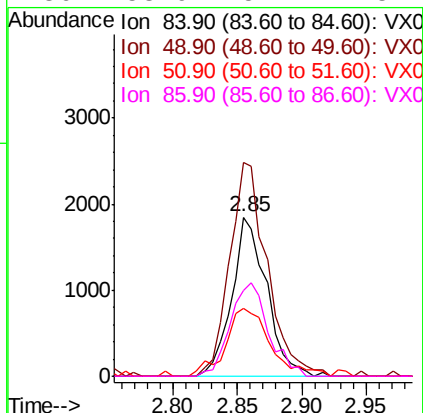
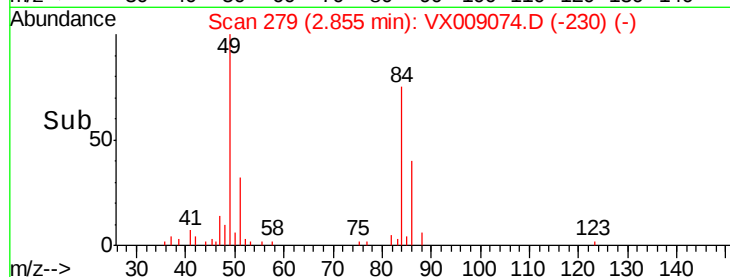
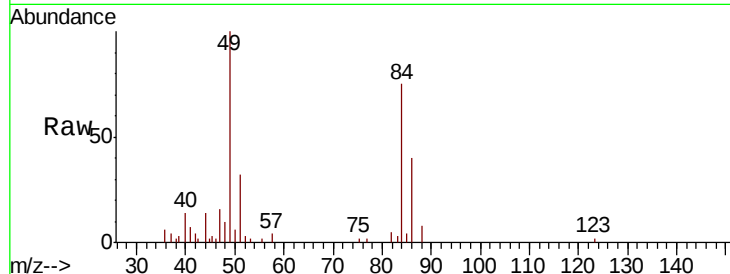




#20
Methvlene Chloride
Concen: 1.229 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

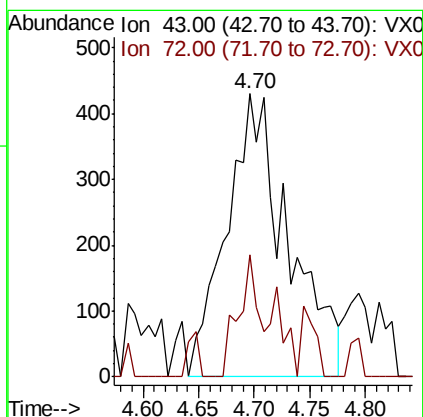
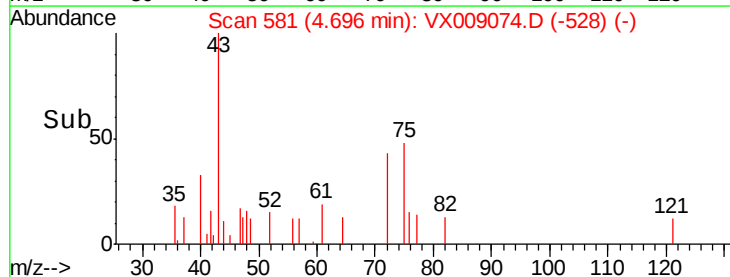
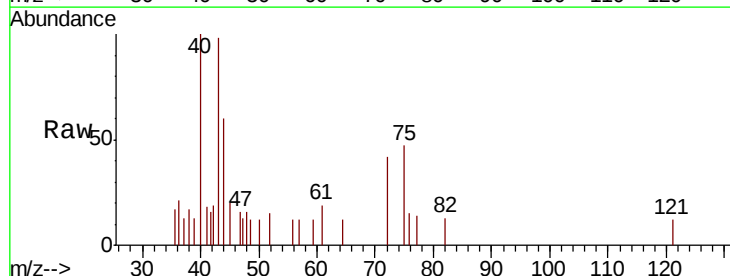
Instrument :
MSVOA_X
ClientSampled :
FB

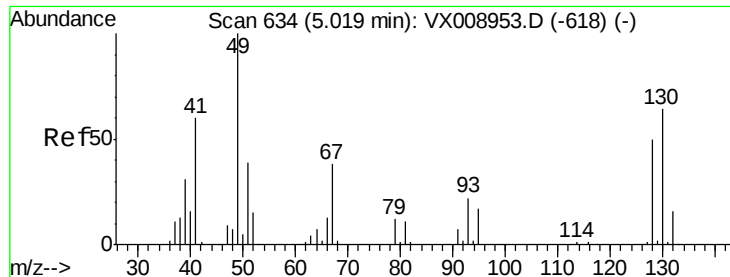
Tot Ion: 84 Resp: 3479
Ion Ratio Lower Upper
84 100
49 134.2 115.4 173.0
51 42.9 35.8 53.6
86 53.9 52.1 78.1



#25
2-Butanone
Concen: 0.625 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

Tgt Ion: 43 Resp: 1654
Ion Ratio Lower Upper
43 100
72 43.0 17.5 26.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

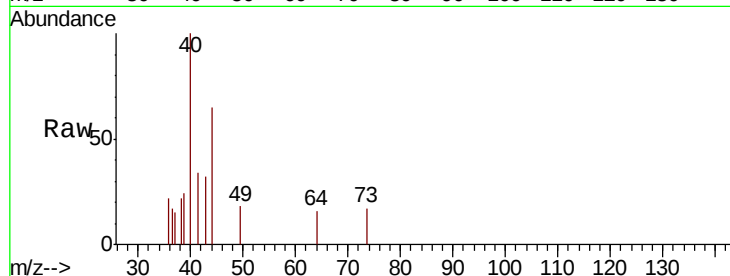
Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

Instrument :
MSVOA_X
ClientSampleId :
FB

Tot Ion: 49 Resp: 22

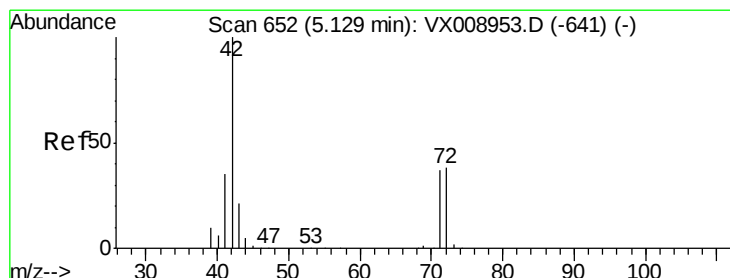
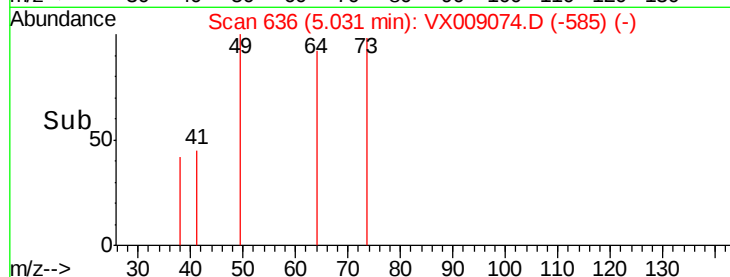
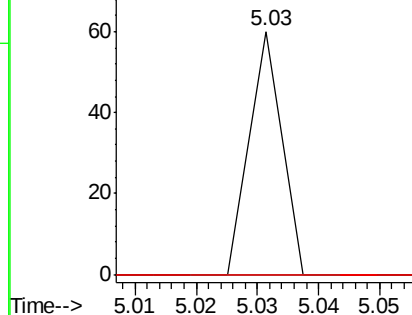
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	50.4	75.6#



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



#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 5.14 min Scan# 654

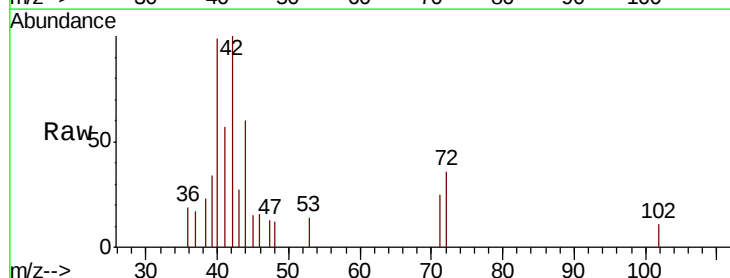
Delta R.T. 0.01 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

Tgt Ion: 42 Resp: 621

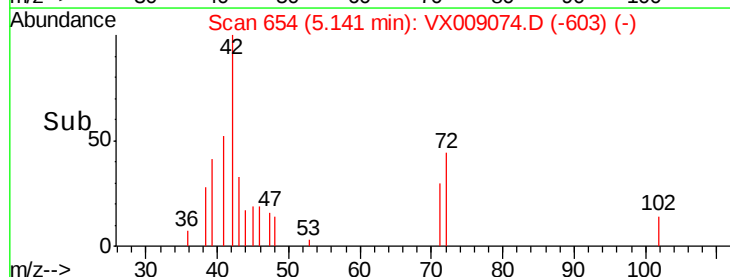
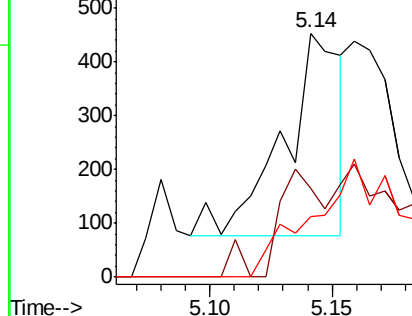
Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.6	45.8
71	0.0	28.8	43.2#

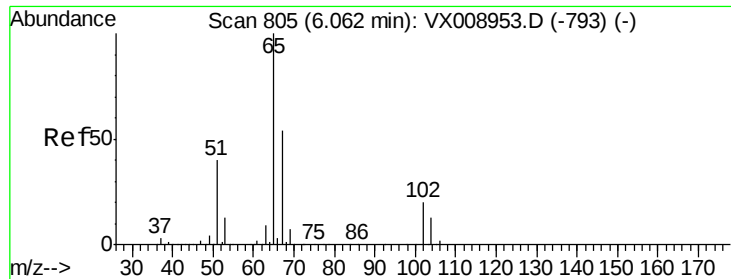


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

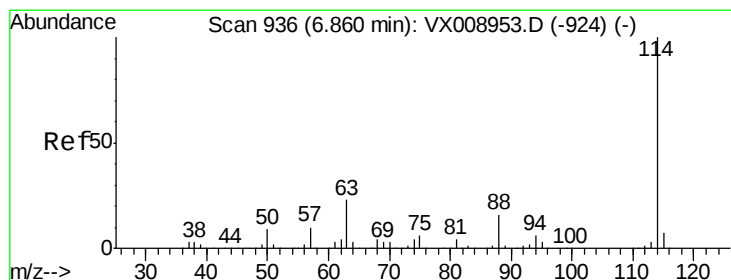
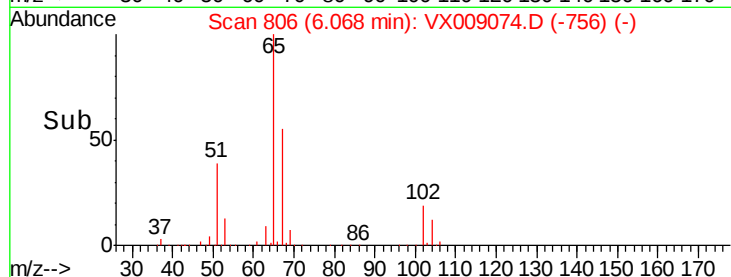
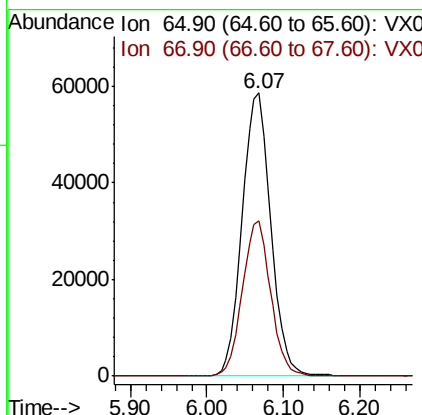
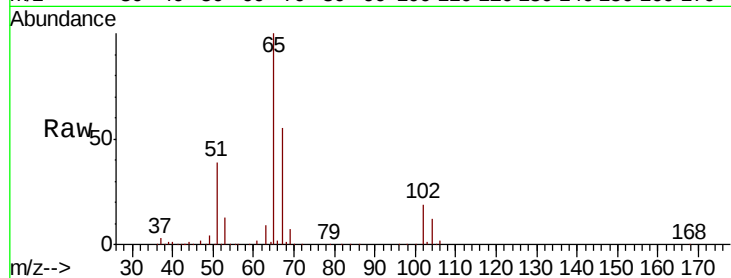




#33
 1,2-Dichloroethane-d4
 Concen: 47.979 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009074.D
 Acq: 19 Apr 2019 16:41

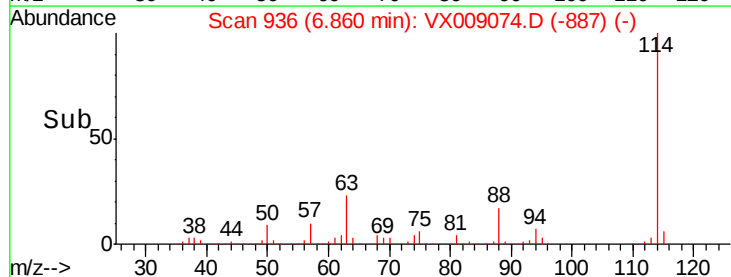
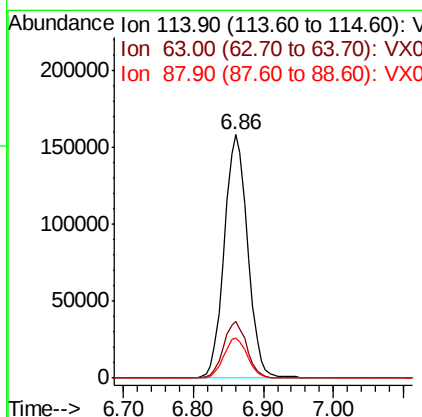
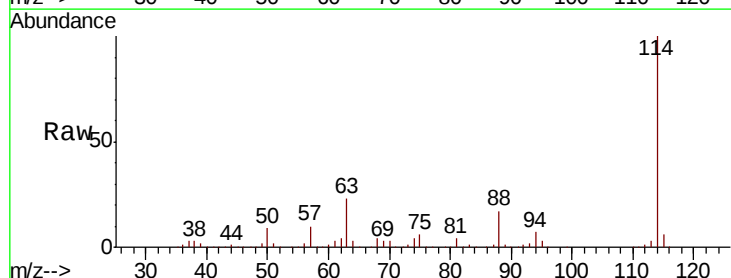
Instrument :
 MSVOA_X
 ClientSampleId :
 FB

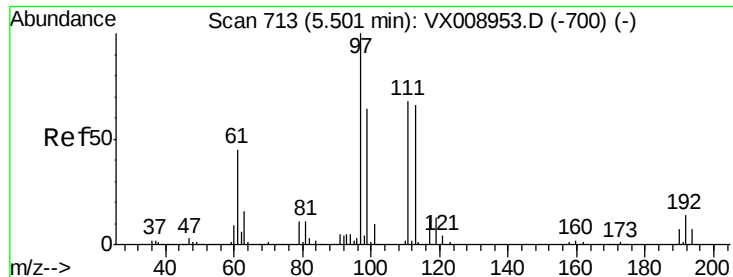
Tot Ion: 65 Resp: 153143
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009074.D
 Acq: 19 Apr 2019 16:41

Tgt Ion: 114 Resp: 369006
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.0
 88 16.7 0.0 32.6

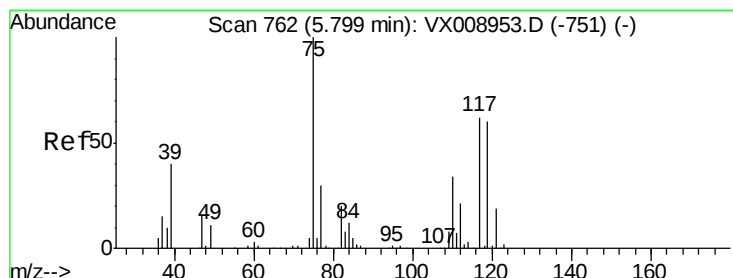
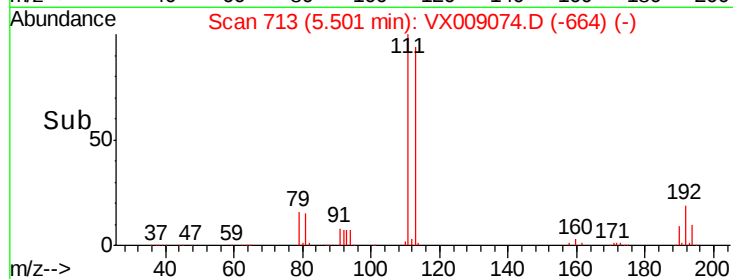
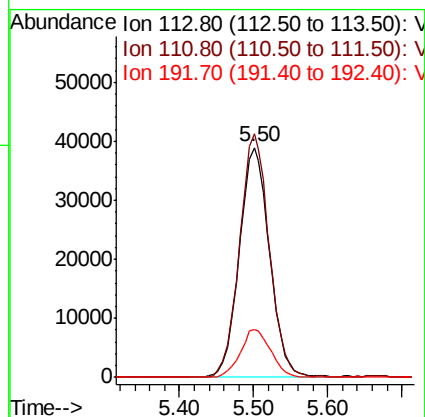
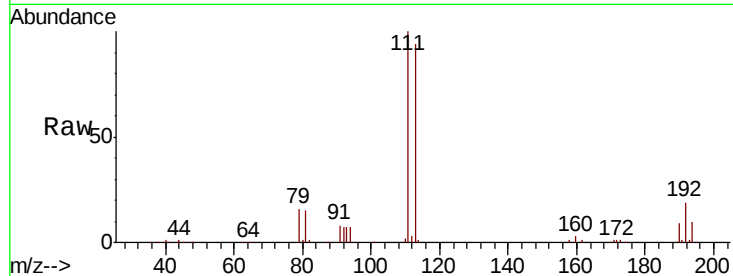




#35
 Dibromofluoromethane
 Concen: 46.792 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX009074.D
 Acq: 19 Apr 2019 16:41

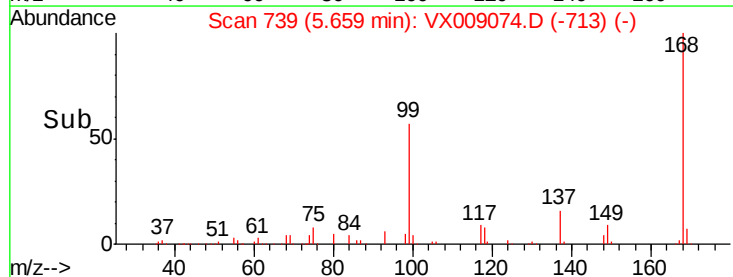
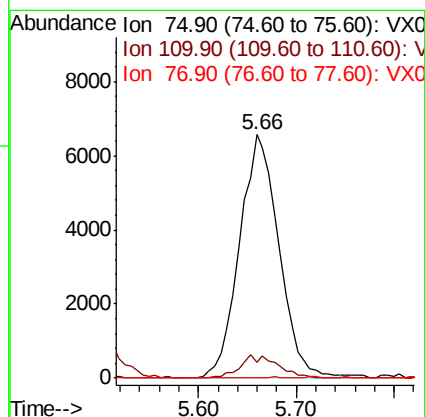
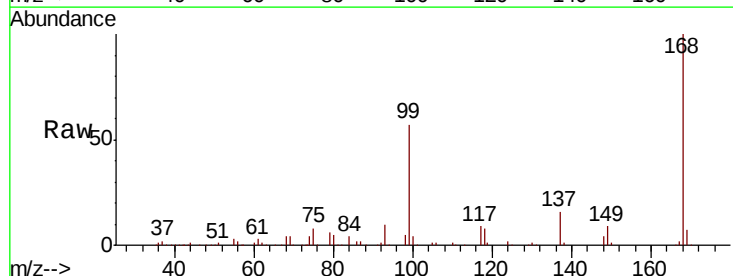
Instrument :
 MSVOA_X
 ClientSampled :
 FB

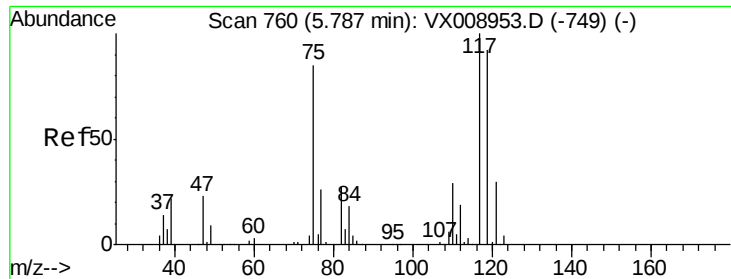
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	21.0	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.809 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009074.D
 Acq: 19 Apr 2019 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.9	50.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.593 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

FB

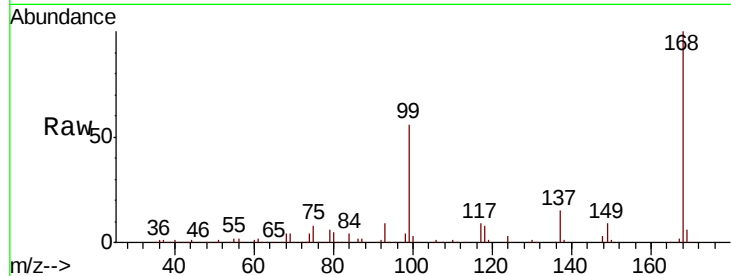
Tot Ion:117 Resp: 21330

Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

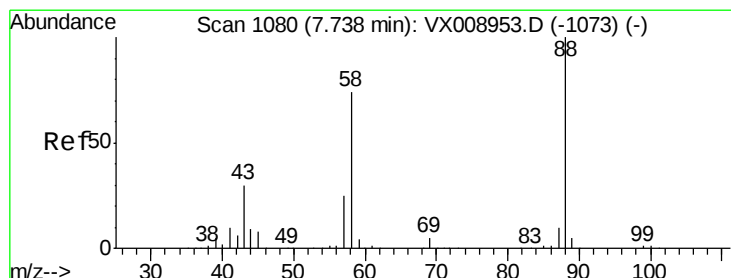
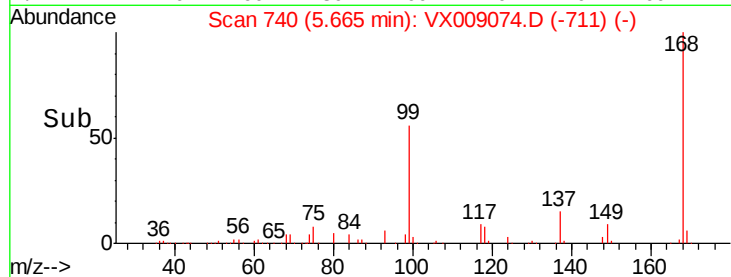
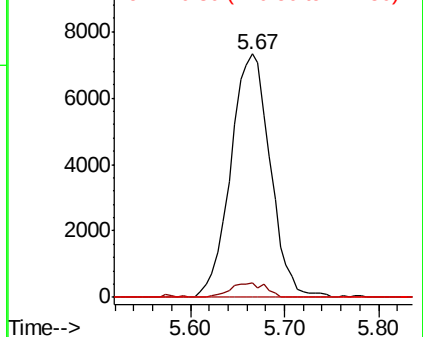
121 0.0 23.6 35.4#



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: 7.55 min Scan# 1049

Delta R.T. -0.19 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

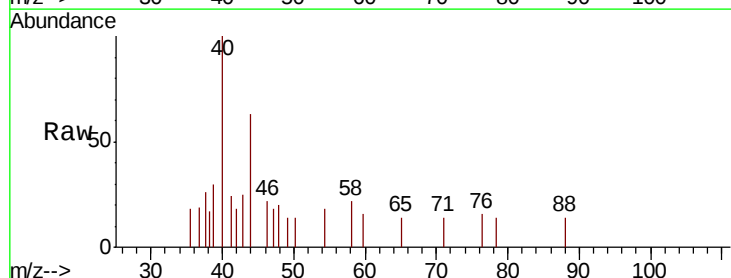
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

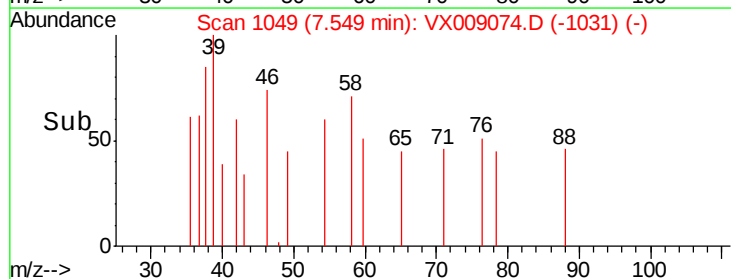
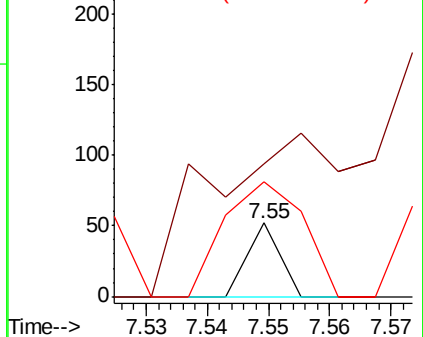
58 384.2 62.6 93.8#

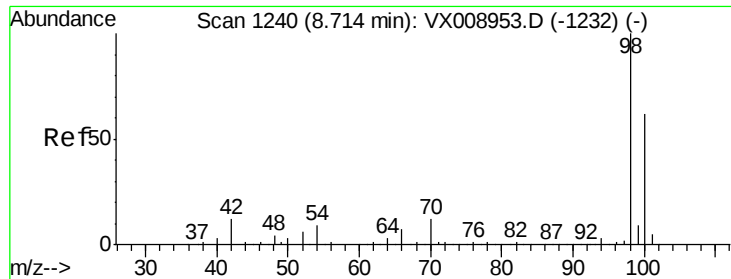


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

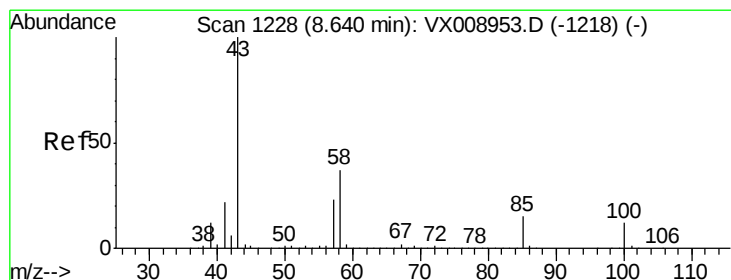
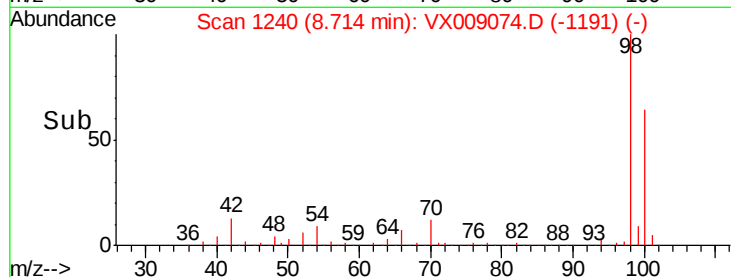
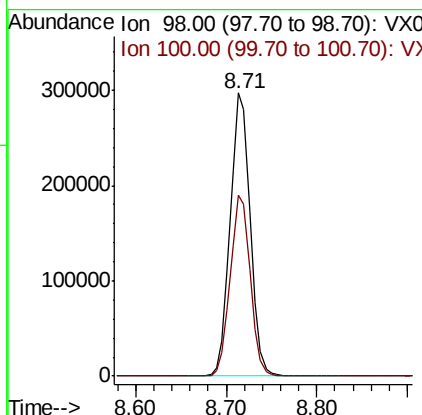
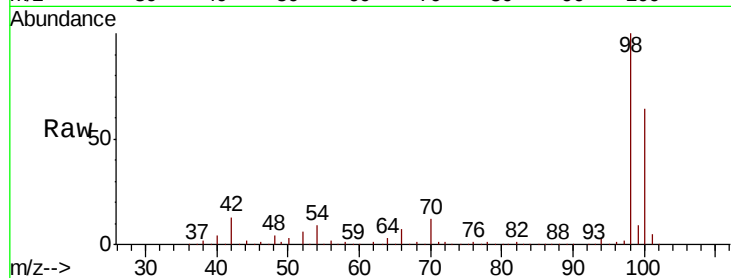




#50
Toluene-d8
Concen: 48.046 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

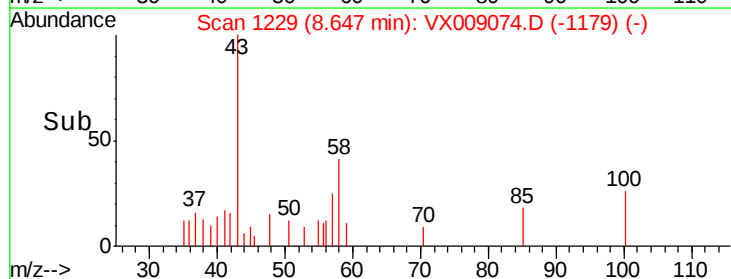
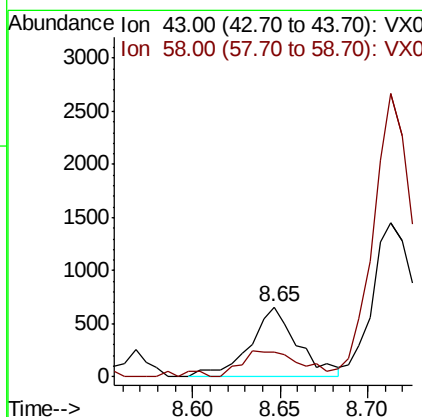
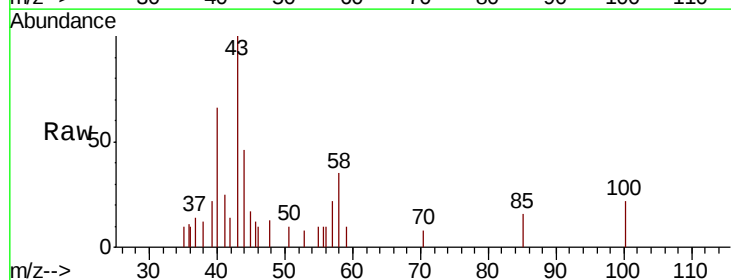
Instrument :
MSVOA_X
ClientSampled :
FB

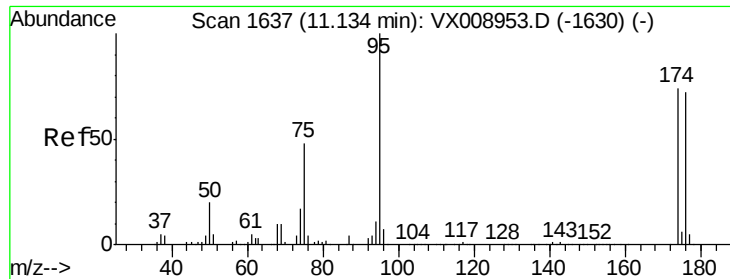
Tot Ion: 98 Resp: 453765
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 0.248 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 45.2 29.8 44.6#

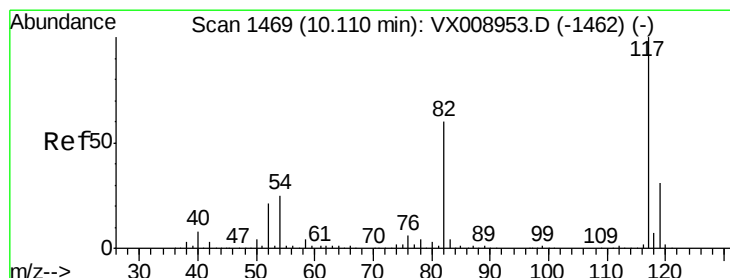
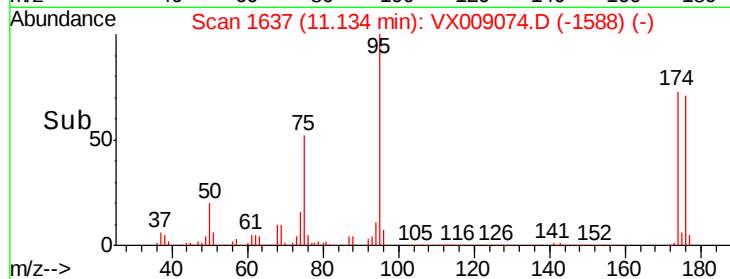
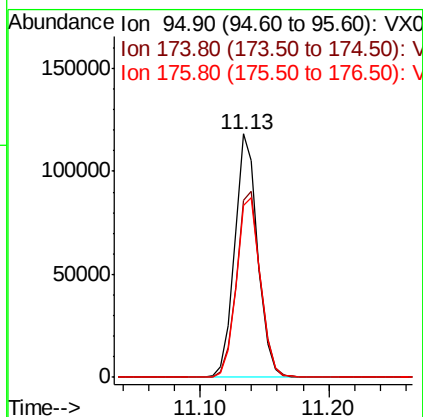
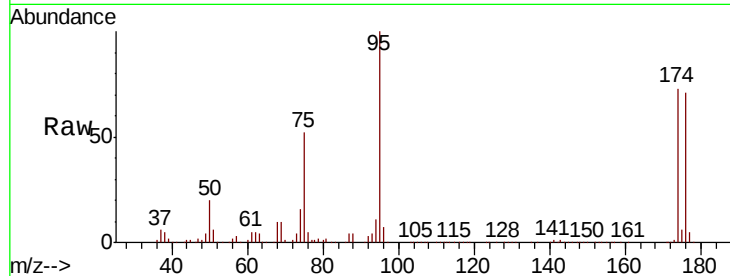




#62
4-Bromofluorobenzene
Concen: 44.017 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

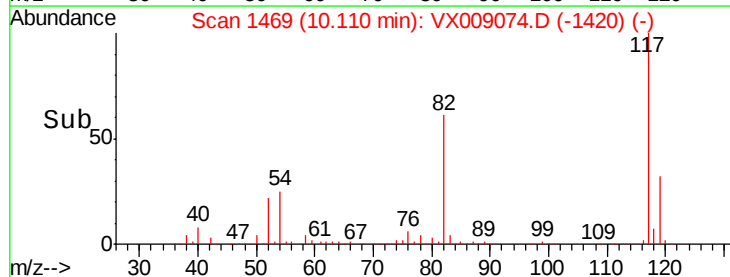
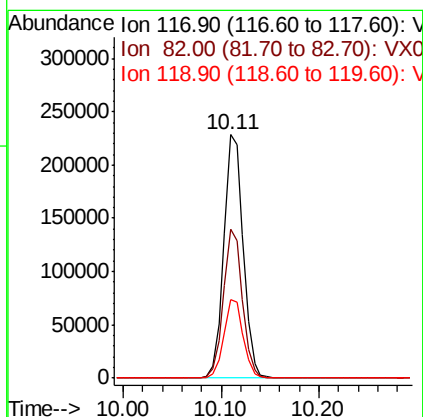
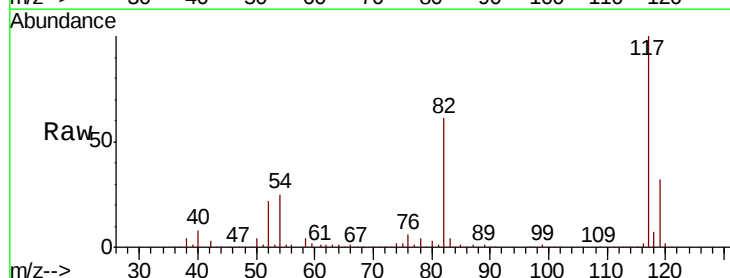
Instrument :
MSVOA_X
ClientSampleId :
FB

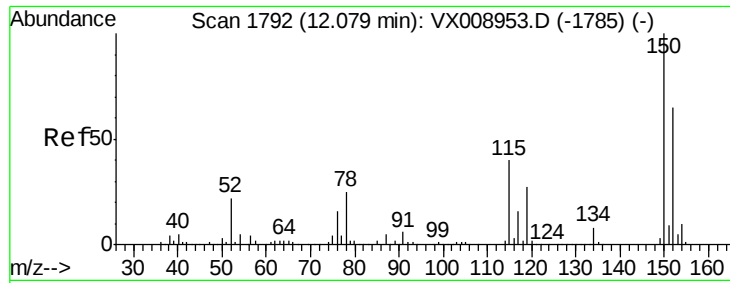
Tot Ion: 95 Resp: 146749
Ion Ratio Lower Upper
95 100
174 79.1 0.0 159.6
176 76.9 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

Tgt Ion: 117 Resp: 314123
Ion Ratio Lower Upper
117 100
82 61.0 48.2 72.4
119 32.2 25.0 37.6



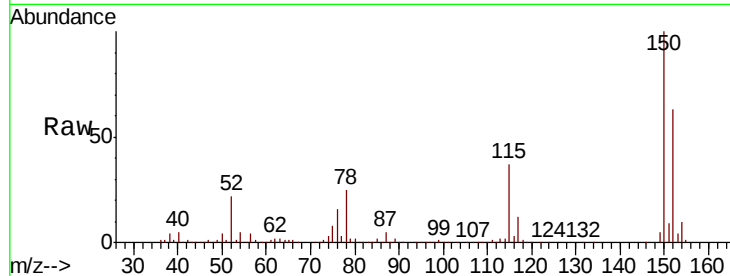


#72

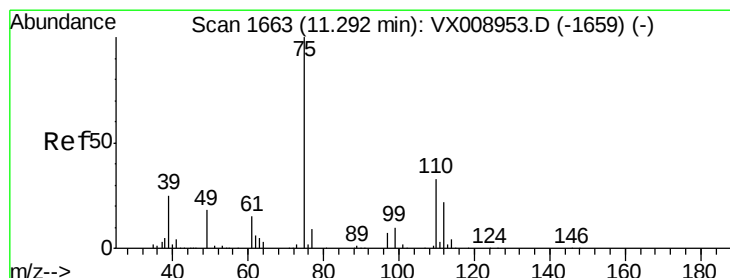
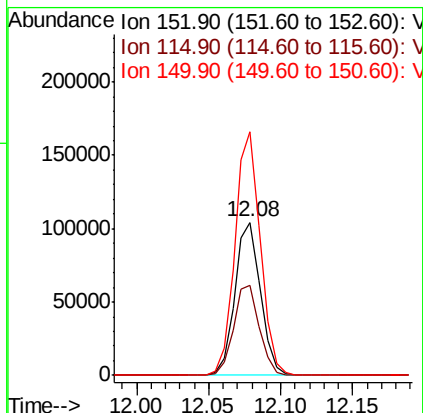
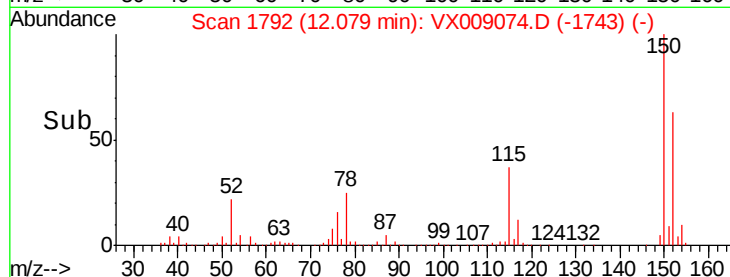
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

Instrument :
MSVOA_X
ClientSampled :
FB

Tot Ion:152 Resp: 129876
Ion Ratio Lower Upper
152 100
115 59.3 41.4 124.2
150 157.3 0.0 349.8



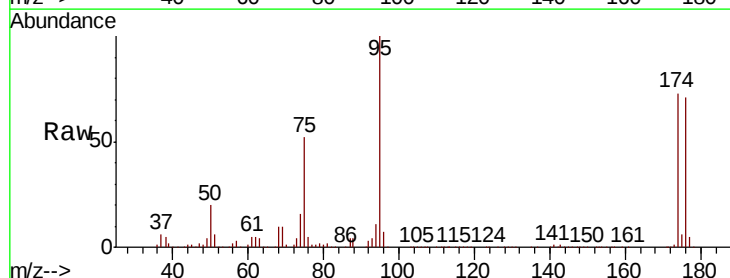
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



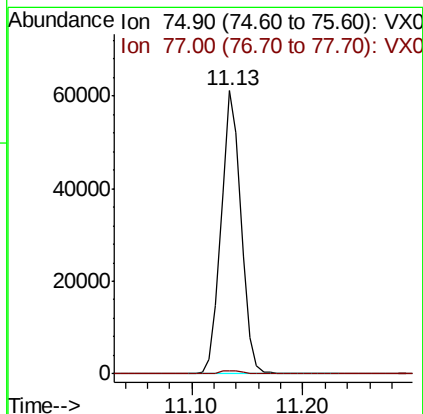
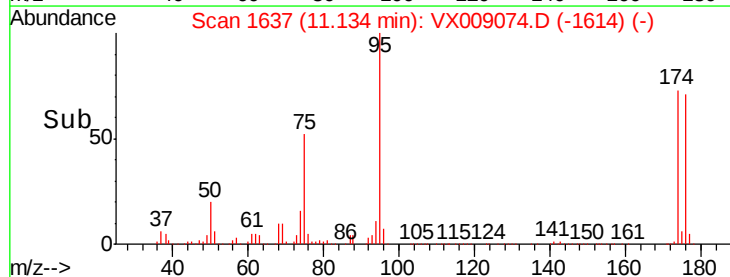
#76

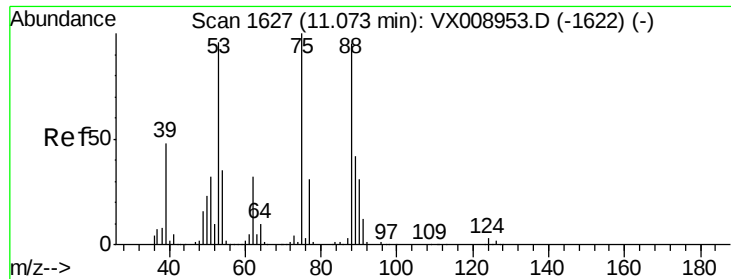
1,2,3-Trichloropropane
Concen: 23.941 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009074.D
Acq: 19 Apr 2019 16:41

Tgt Ion: 75 Resp: 75926
Ion Ratio Lower Upper
75 100
77 1.4 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: 61.464 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009074.D

Acq: 19 Apr 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

FB

Tot Ion: 75 Resp: 75926

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

