

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
 Data File : VX010623.D
 Acq On : 02 Jul 2019 17:34
 Operator : JC/SP
 Sample : K3636-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-LF3MW4

Quant Time: Jul 03 01:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	242626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373562	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156156	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	118509	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
35) Dibromofluoromethane	5.50	113	113811	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	8.71	98	440939	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	146409	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

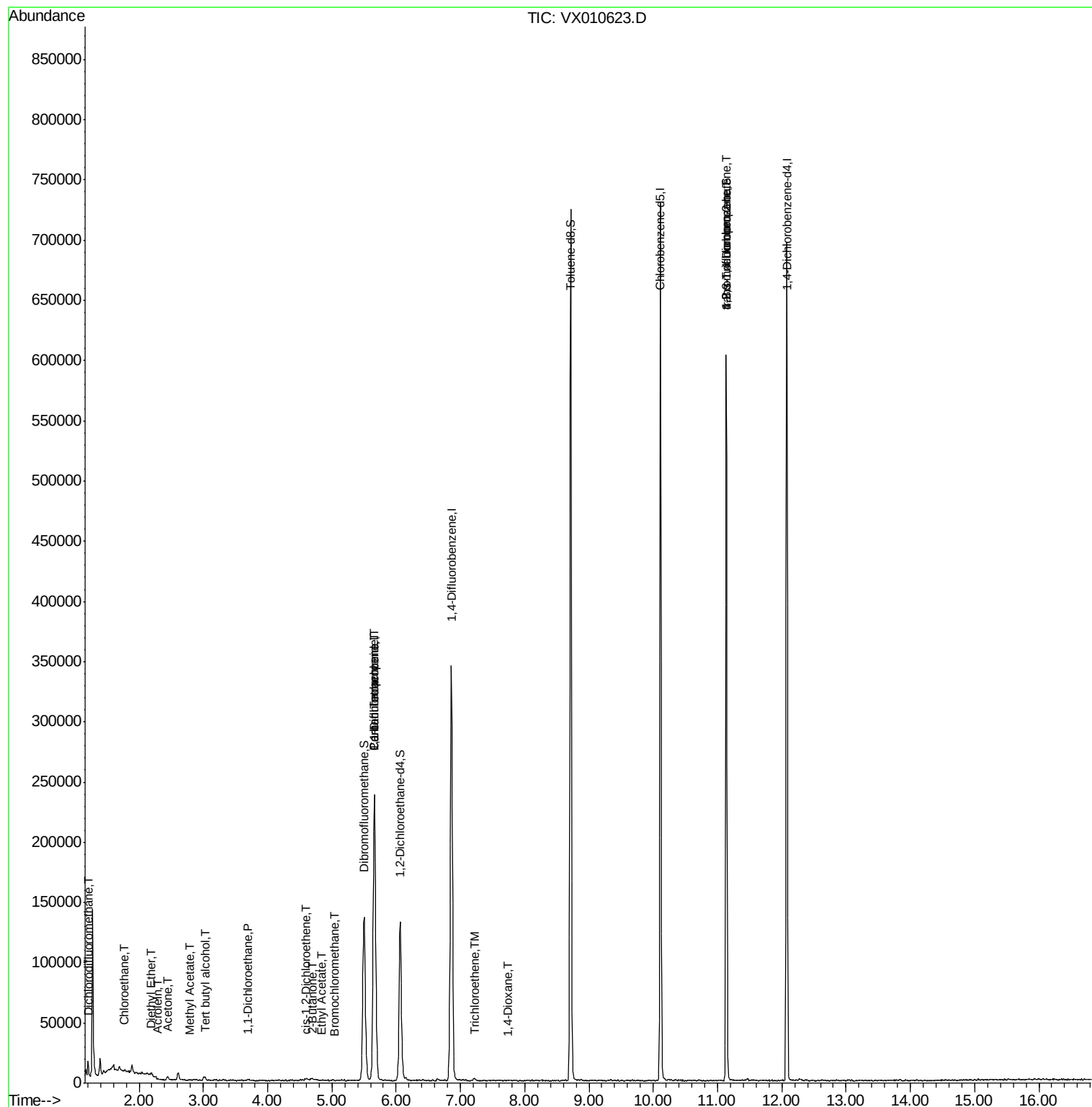
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	810	0.480	ug/l	95
6) Chloroethane	1.77	64	1110	0.875	ug/l #	67
8) Diethyl Ether	2.19	74	617	0.504	ug/l	91
11) Tert butyl alcohol	3.02	59	1936	3.252	ug/l #	81
13) Acrolein	2.29	56	239	0.605	ug/l #	24
16) Acetone	2.44	43	3277	2.874	ug/l	91
18) Methyl Acetate	2.78	43	559	0.246	ug/l #	64
24) 1,1-Dichloroethane	3.70	63	963	0.267	ug/l #	81
25) 2-Butanone	4.70	43	591	0.353	ug/l	89
27) cis-1,2-Dichloroethene	4.59	96	1008	0.386	ug/l	55
28) Bromochloromethane	5.04	49	387	0.224	ug/l #	2
36) 1,1-Dichloropropene	5.67	75	15390	5.184	ug/l #	47
37) Ethyl Acetate	4.84	43	842	0.276	ug/l #	85
38) Carbon Tetrachloride	5.66	117	21513	6.692	ug/l #	15
44) Trichloroethene	7.23	130	834	0.301	ug/l	84
49) 1,4-Dioxane	7.73	88	19	0.281	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	71901	25.268	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71901	58.947	ug/l #	16

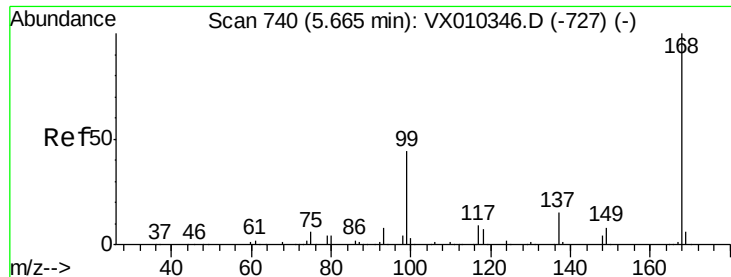
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010623.D

Acq: 02 Jul 2019 17:34

Instrument :

MSVOA_X

ClientSampleId :

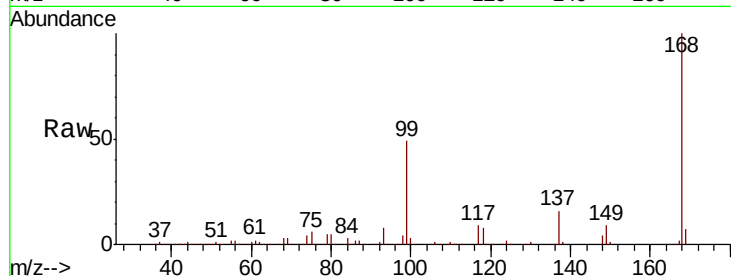
SP19-LF3MW4

Tot Ion:168 Resp: 242626

Ion Ratio Lower Upper

168 100

99 48.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

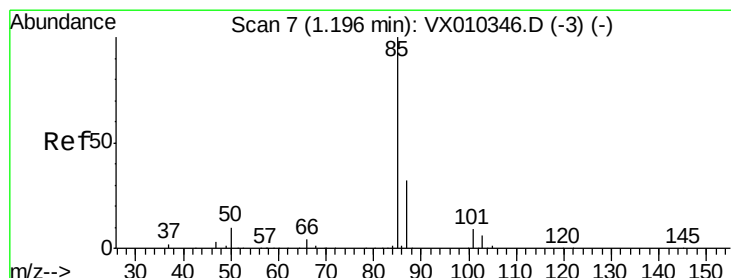
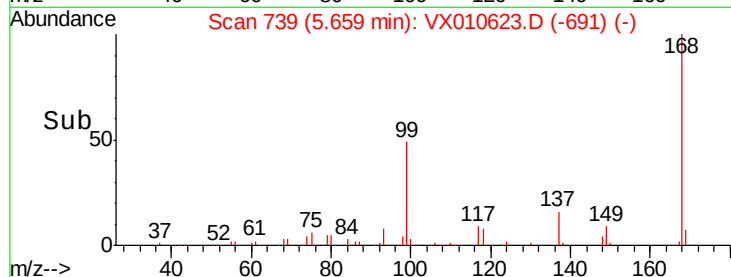
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.480 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX010623.D

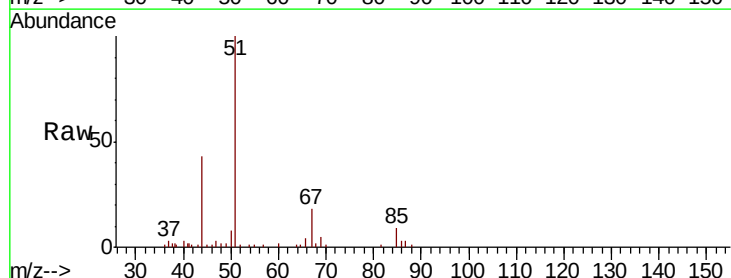
Acq: 02 Jul 2019 17:34

Tgt Ion: 85 Resp: 810

Ion Ratio Lower Upper

85 100

87 35.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

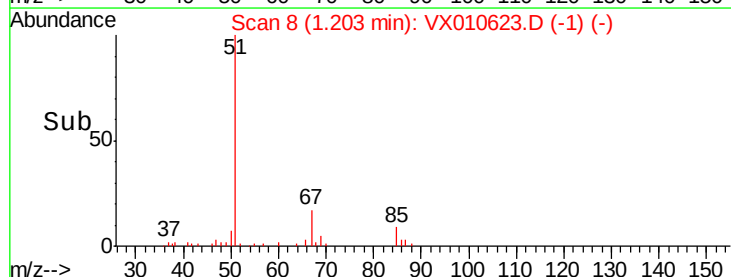
600

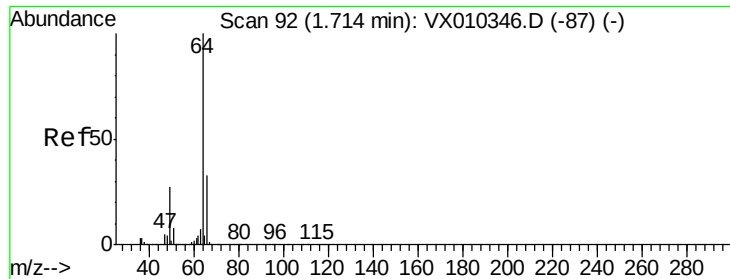
400

200

0

Time--> 1.20 1.25





#6

Chloroethane

Concen: 0.875 ug/l

RT: 1.77 min Scan# 101

Delta R.T. 0.06 min

Lab File: VX010623.D

Acq: 02 Jul 2019 17:34

Instrument :

MSVOA_X

ClientSampleId :

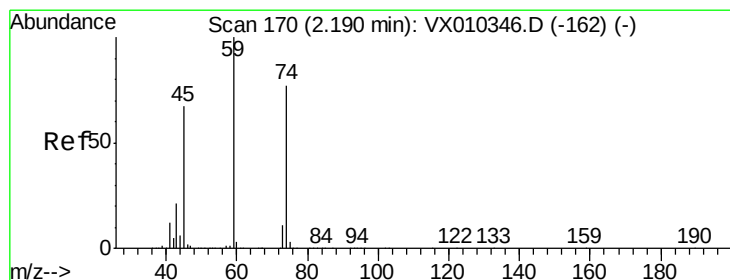
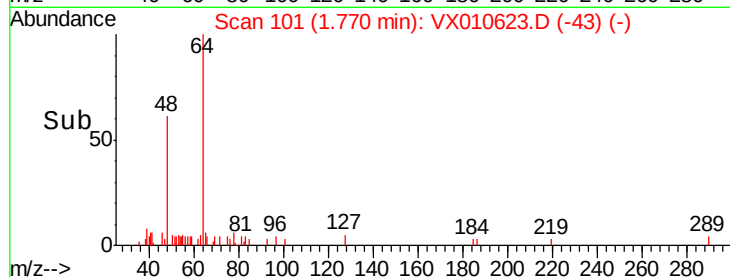
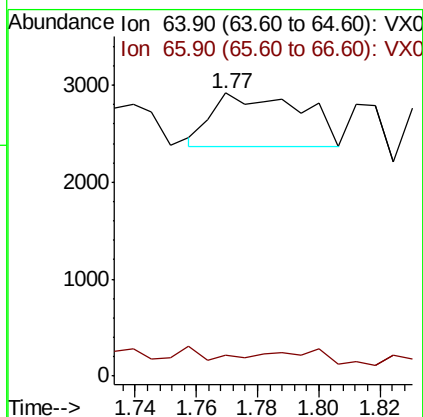
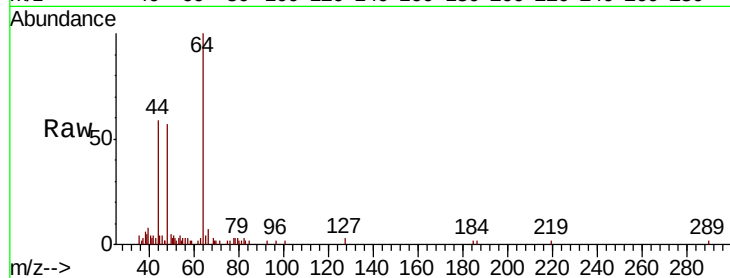
SP19-LF3MW4

Tot Ion: 64 Resp: 1110

Ion Ratio Lower Upper

64 100

66 14.7 26.6 40.0#



#8

Diethyl Ether

Concen: 0.504 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010623.D

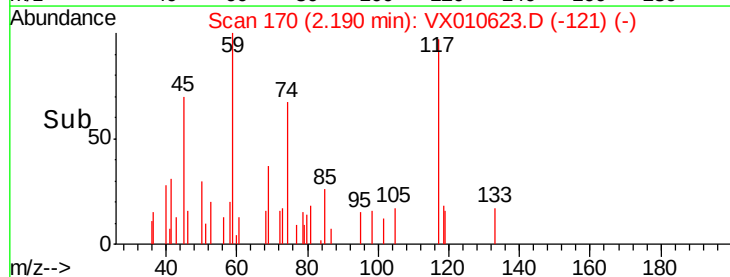
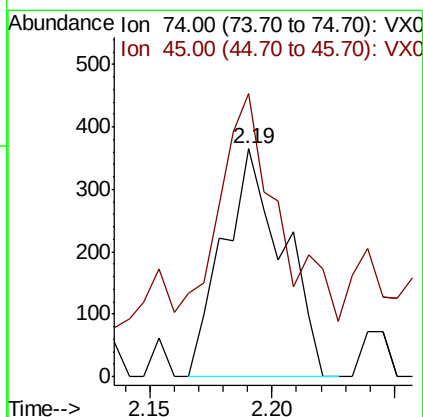
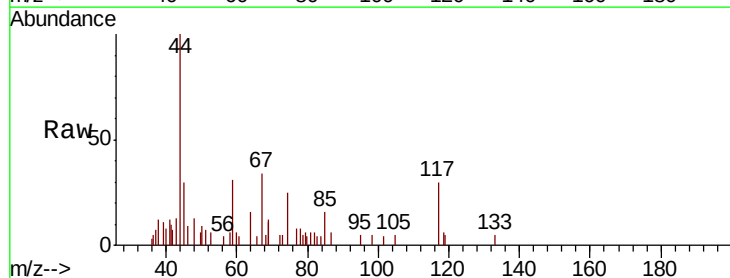
Acq: 02 Jul 2019 17:34

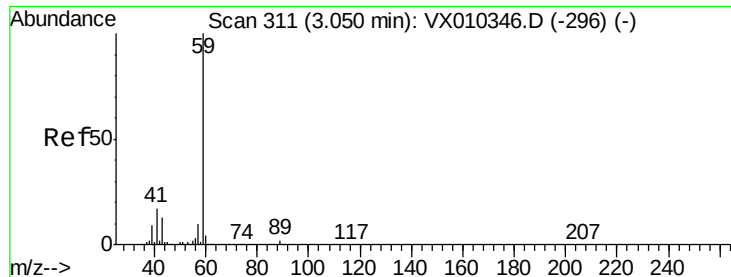
Tgt Ion: 74 Resp: 617

Ion Ratio Lower Upper

74 100

45 97.7 44.8 134.4



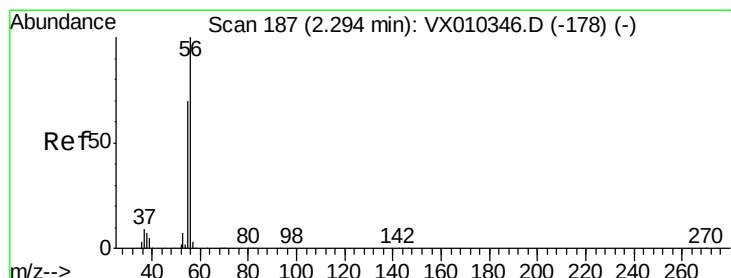
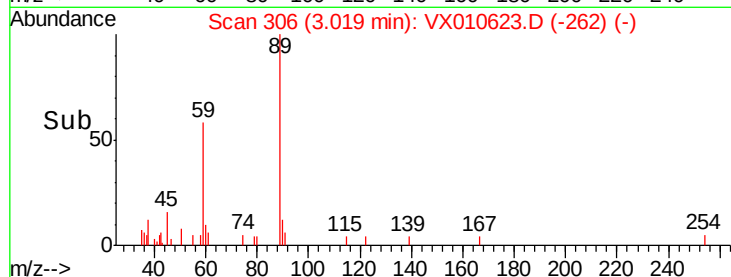
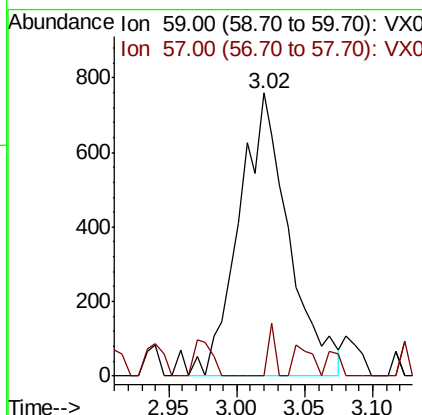
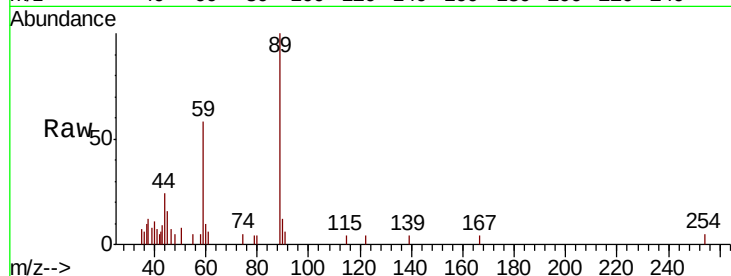


#11

Tert butyl alcohol
Concen: 3.252 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010623.D
Acq: 02 Jul 2019 17:34

Instrument :
MSVOA_X
ClientSampleId :
SP19-LF3MW4

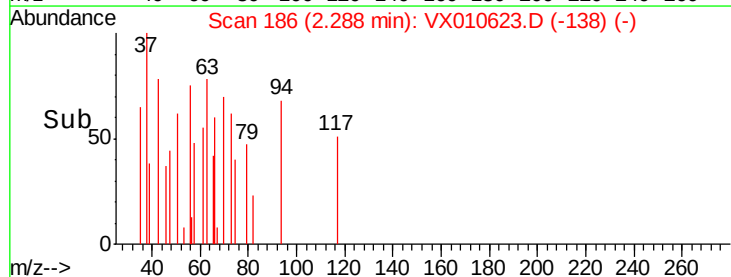
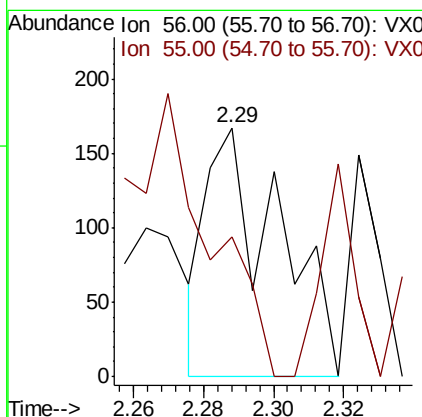
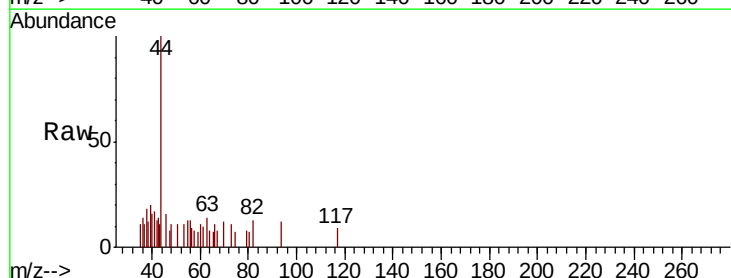
Tot Ion: 59 Resp: 1936
Ion Ratio Lower Upper
59 100
57 2.7 7.7 11.5#

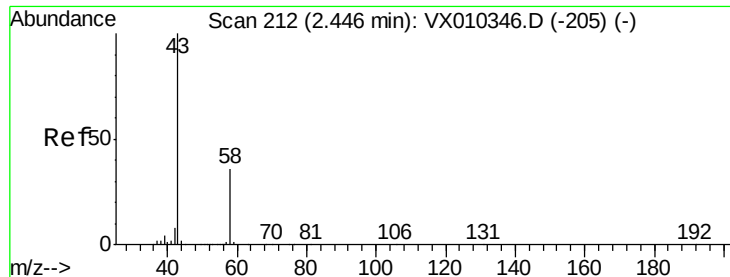


#13

Acrolein
Concen: 0.605 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX010623.D
Acq: 02 Jul 2019 17:34

Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 133.9 56.9 85.3#





#16

Acetone

Concen: 2.874 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010623.D

Acq: 02 Jul 2019 17:34

Instrument :

MSVOA_X

ClientSampleId :

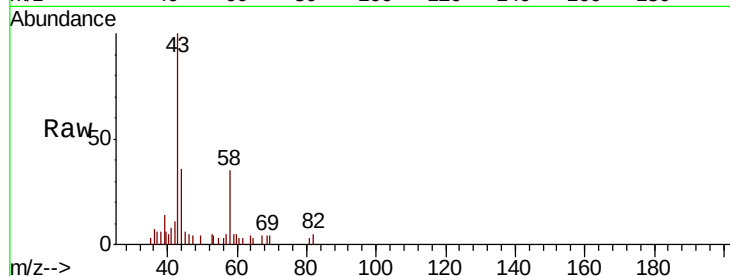
SP19-LF3MW4

Tot Ion: 43 Resp: 3277

Ion Ratio Lower Upper

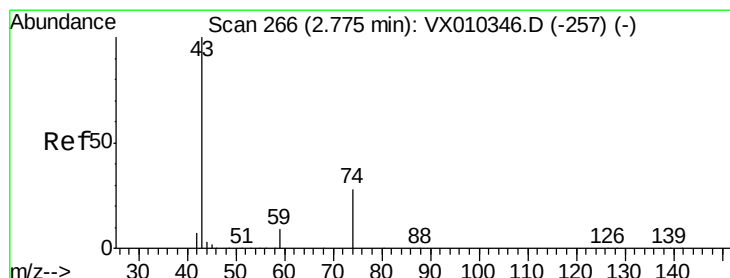
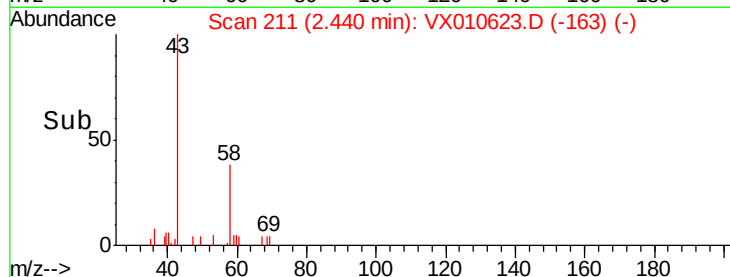
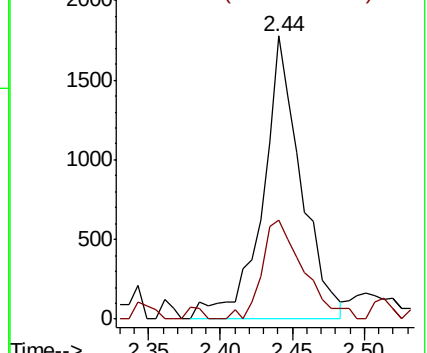
43 100

58 30.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.246 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010623.D

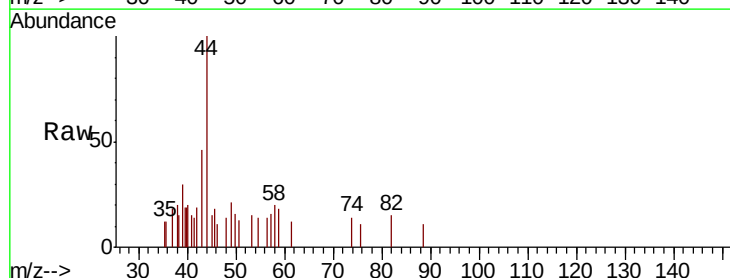
Acq: 02 Jul 2019 17:34

Tgt Ion: 43 Resp: 559

Ion Ratio Lower Upper

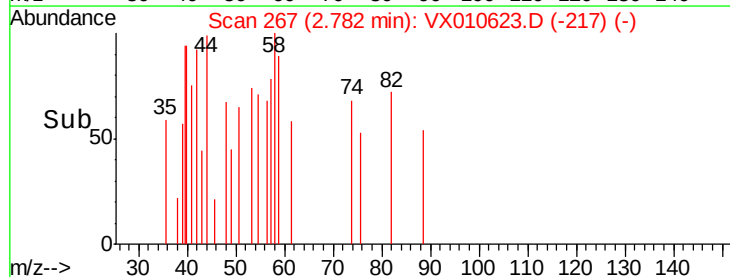
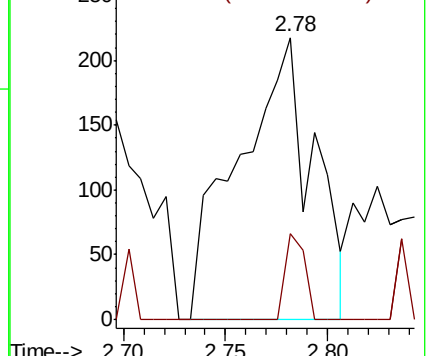
43 100

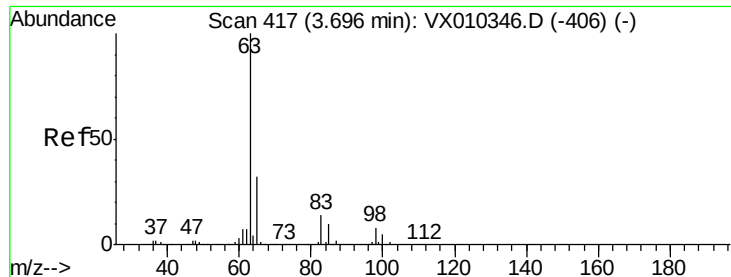
74 7.9 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

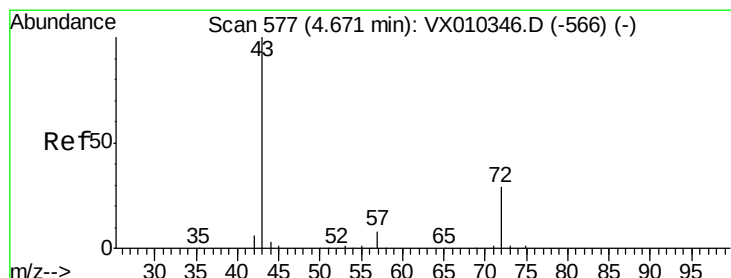
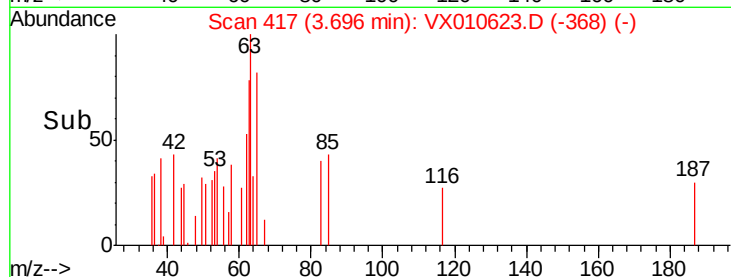
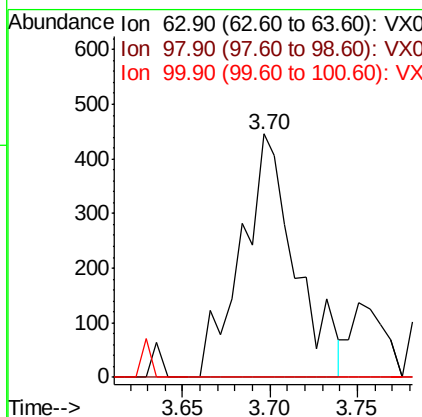
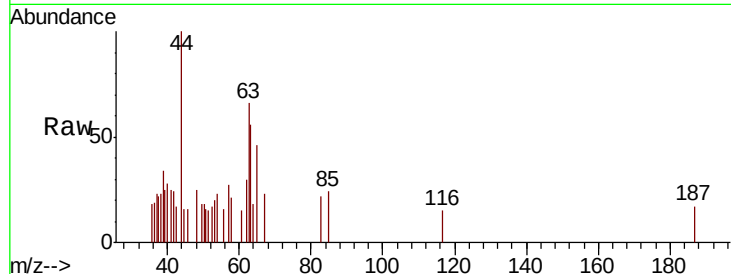




#24
 1,1-Dichloroethane
 Concen: 0.267 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

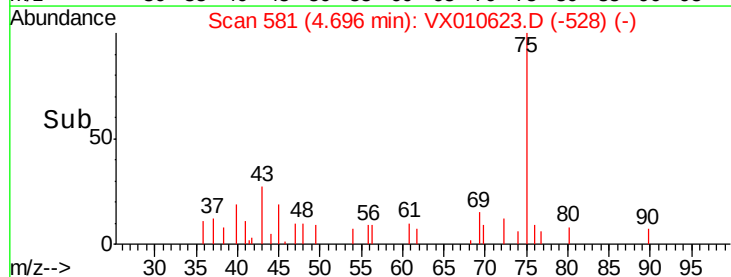
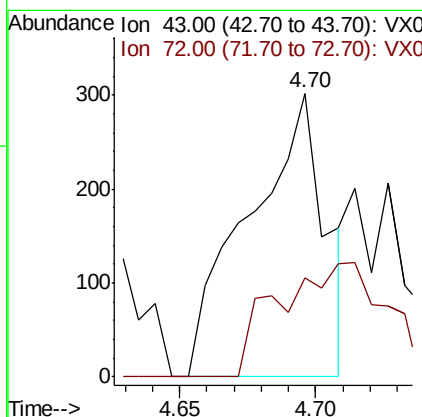
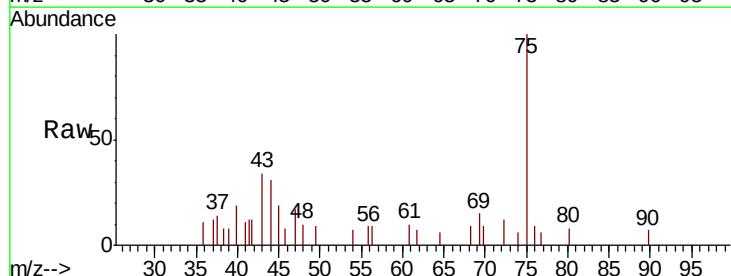
Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-LF3MW4

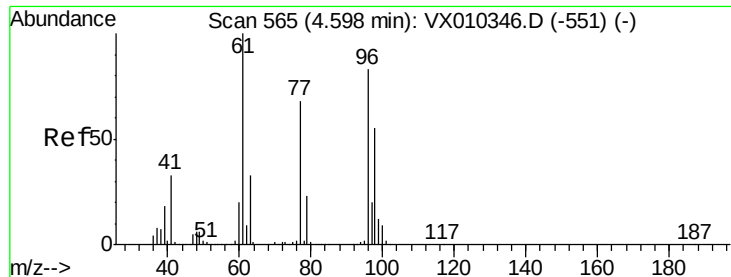
Tot Ion: 63 Resp: 963
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.4 7.1#



#25
 2-Butanone
 Concen: 0.353 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

Tgt Ion: 43 Resp: 591
 Ion Ratio Lower Upper
 43 100
 72 34.8 23.3 34.9



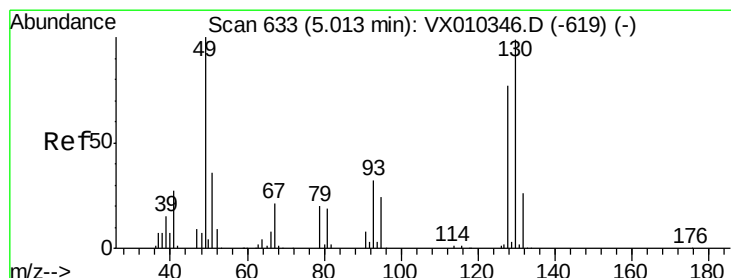
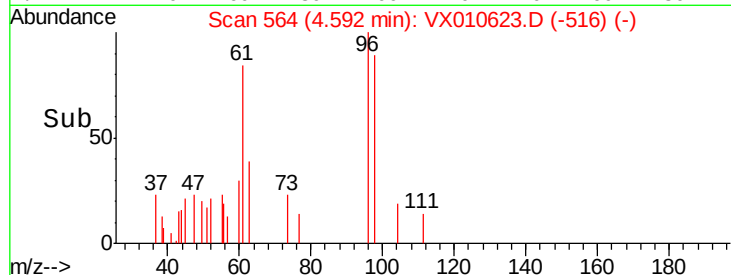
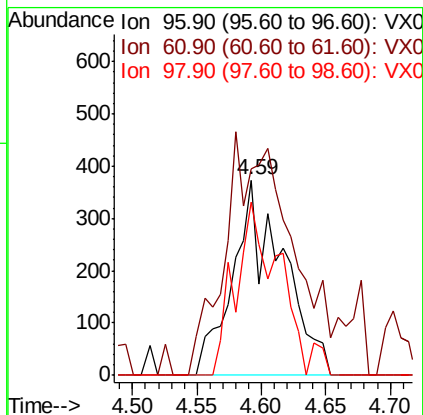
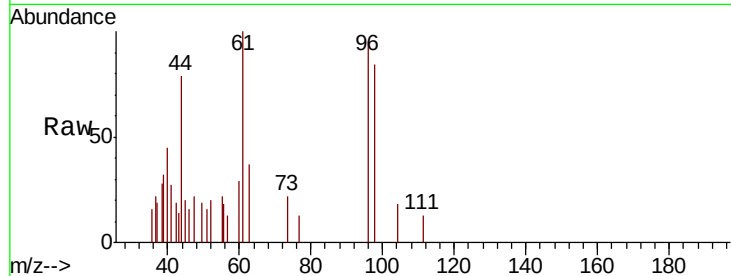


#27

cis-1,2-Dichloroethene
 Concen: 0.386 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-LF3MW4

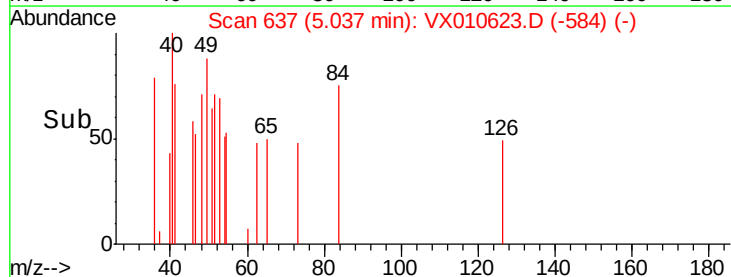
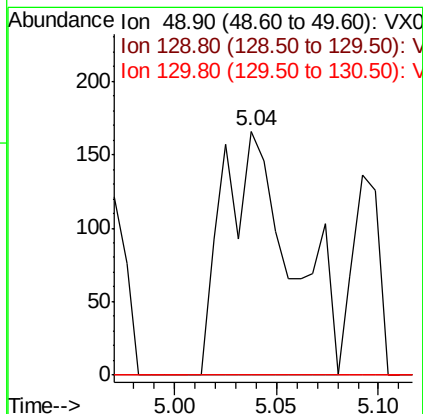
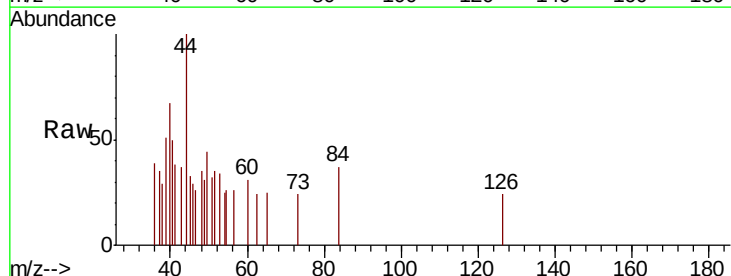
Tot Ion: 96 Resp: 1008
 Ion Ratio Lower Upper
 96 100
 61 56.4 0.0 251.8
 98 75.7 0.0 129.4

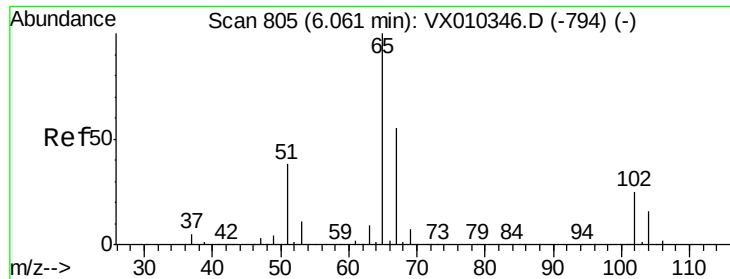


#28

Bromochloromethane
 Concen: 0.224 ug/l
 RT: 5.04 min Scan# 637
 Delta R.T. 0.02 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

Tgt Ion: 49 Resp: 387
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 0.0 81.4 122.0#

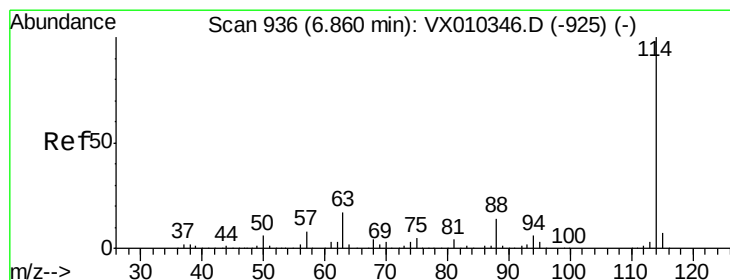
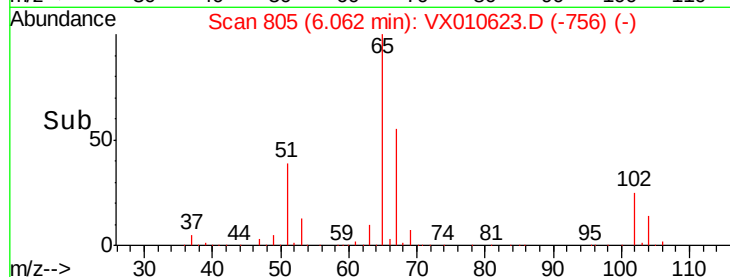
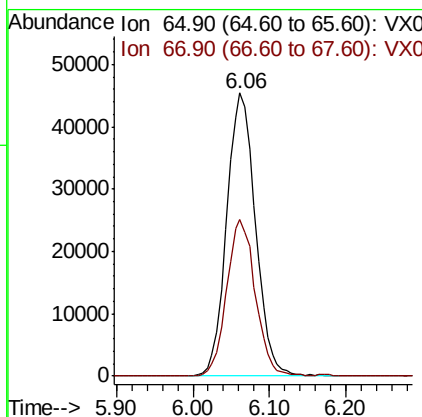
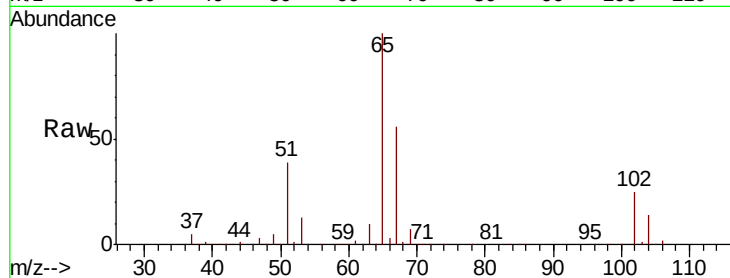




#33
 1,2-Dichloroethane-d4
 Concen: 52.095 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

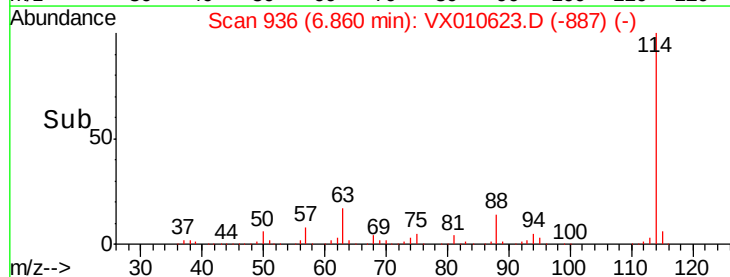
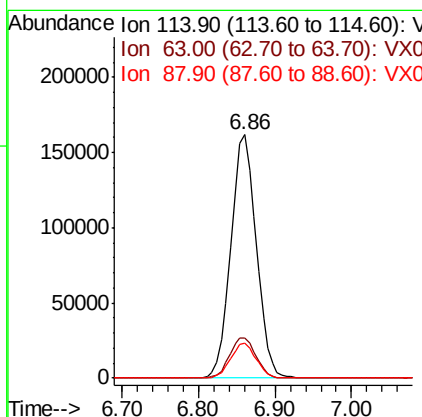
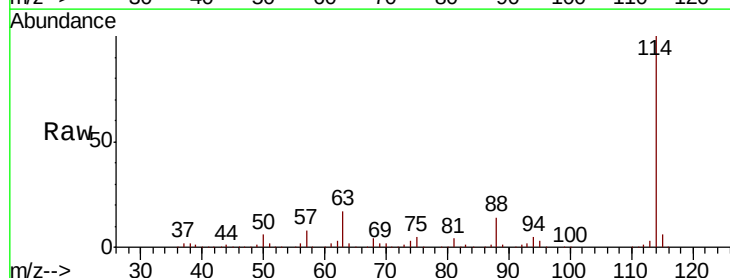
Instrument :
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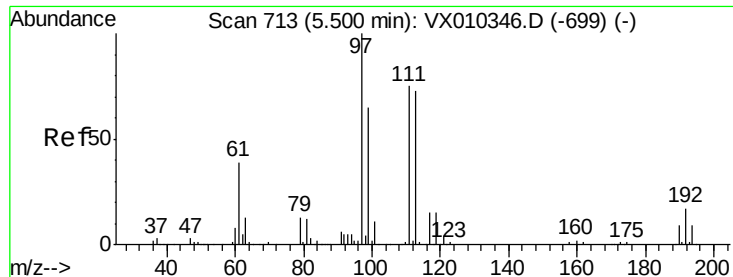
Tot Ion: 65 Resp: 118509
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

Tgt Ion: 114 Resp: 373562
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 33.8
 88 14.4 0.0 27.6

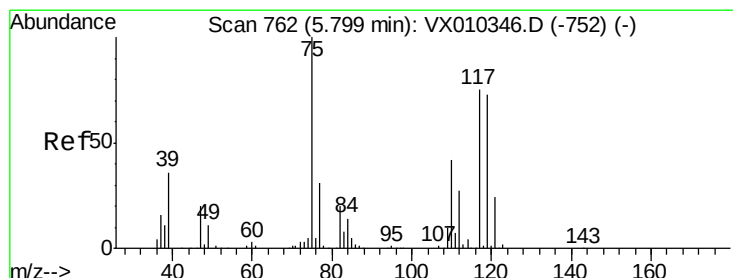
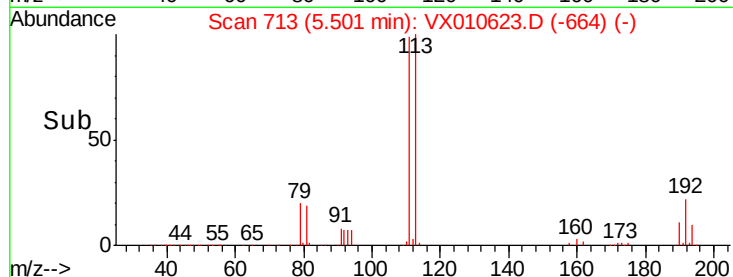
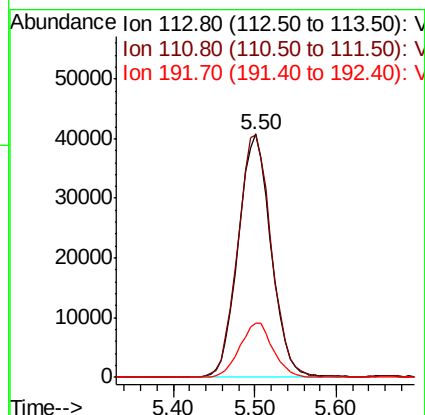
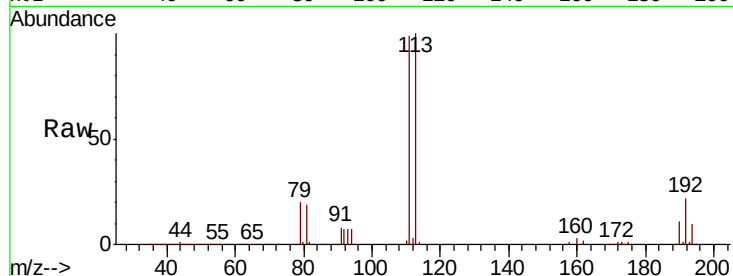




#35
 Dibromofluoromethane
 Concen: 49.795 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

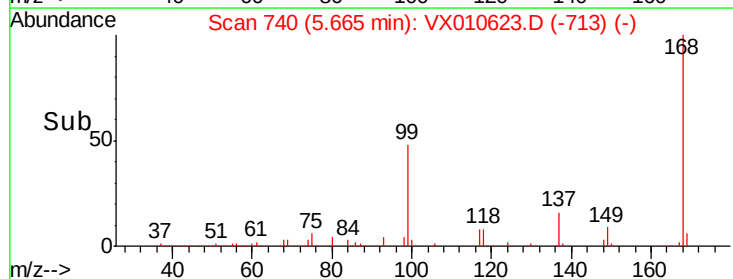
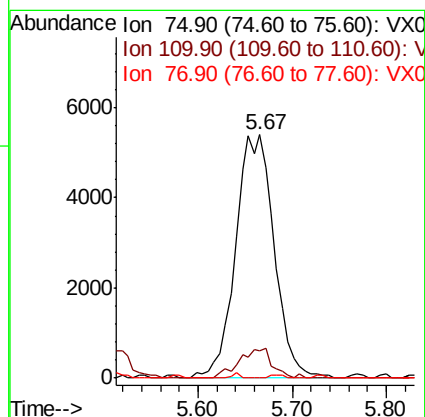
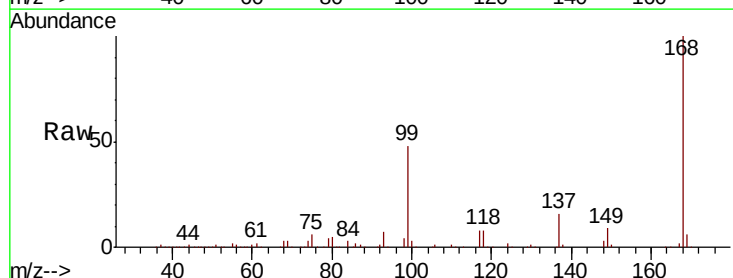
Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-LF3MW4

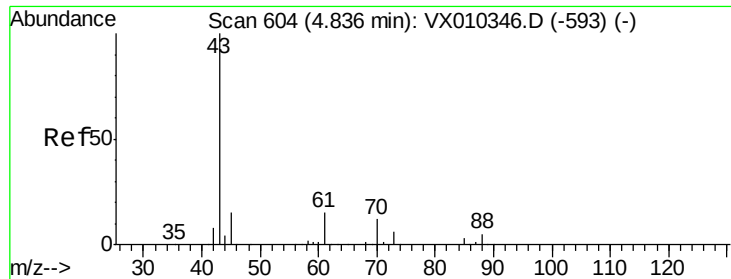
Tot Ion:113 Resp: 113811
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.2 121.8
 192 22.6 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.184 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

Tgt Ion: 75 Resp: 15390
 Ion Ratio Lower Upper
 75 100
 110 10.6 20.8 62.2#
 77 0.0 25.4 38.0#





#37

Ethyl Acetate

Concen: 0.276 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010623.D

Acq: 02 Jul 2019 17:34

Instrument :

MSVOA_X

ClientSampleId :

SP19-LF3MW4

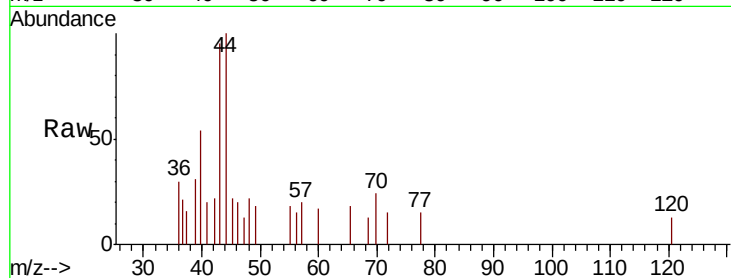
Tot Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

61 5.8 12.4 18.6#

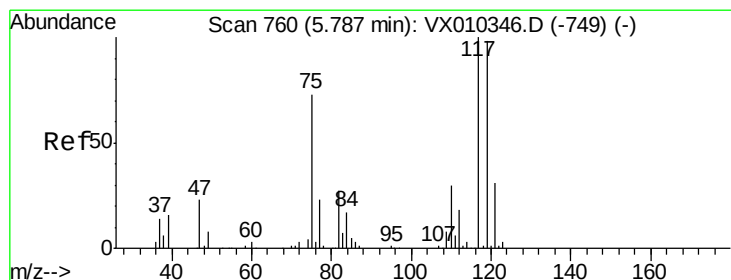
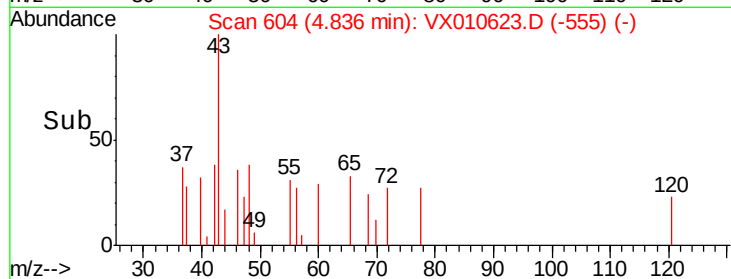
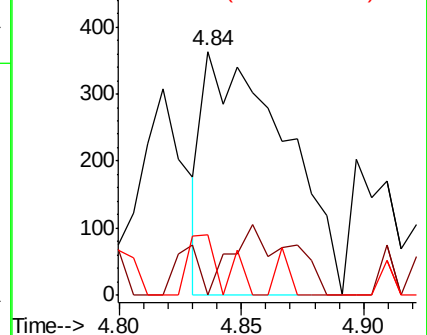
70 10.7 9.8 14.8



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: 6.692 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010623.D

Acq: 02 Jul 2019 17:34

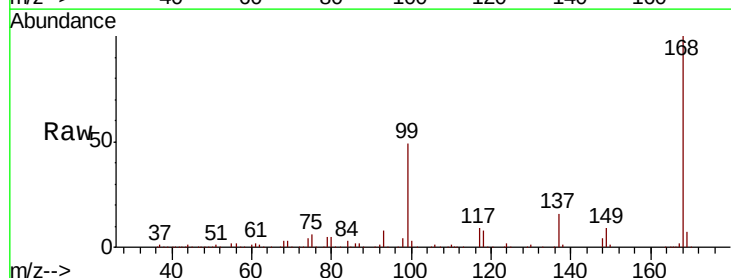
Tgt Ion: 117 Resp: 21513

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.4#

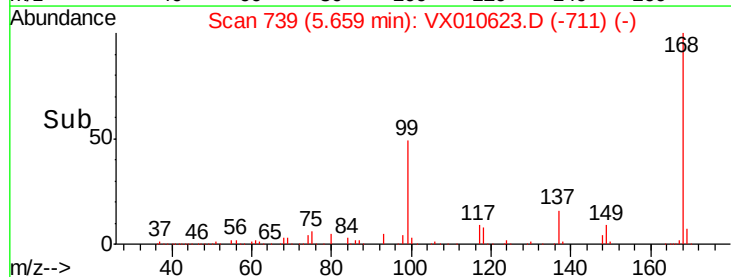
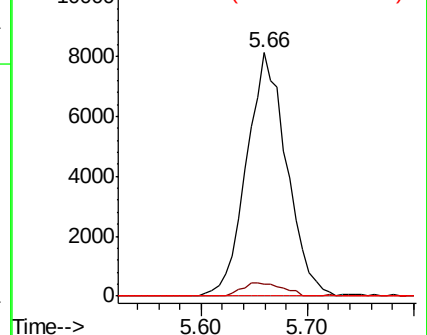
121 0.0 24.7 37.1#

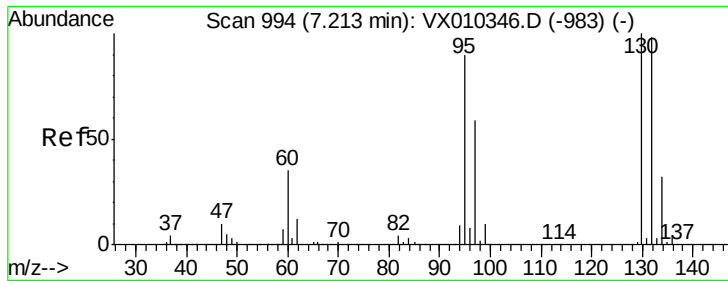


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.301 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX010623.D

Acq: 02 Jul 2019 17:34

Instrument :

MSVOA_X

ClientSampleId :

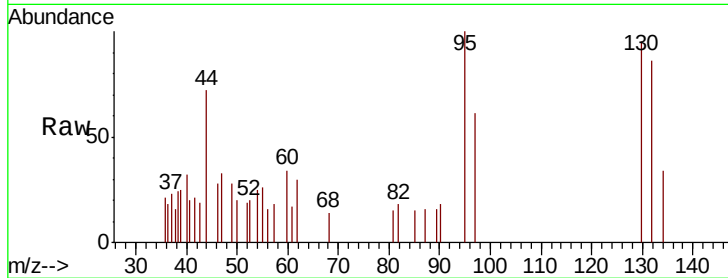
SP19-LF3MW4

Tot Ion:130 Resp: 834

Ion Ratio Lower Upper

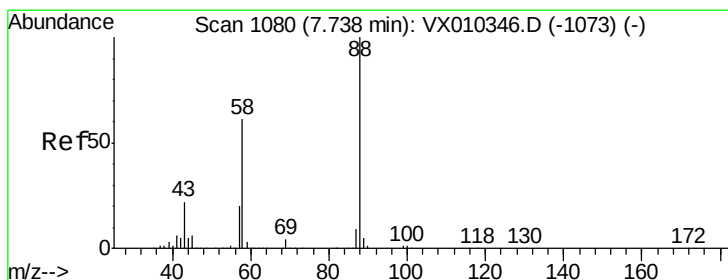
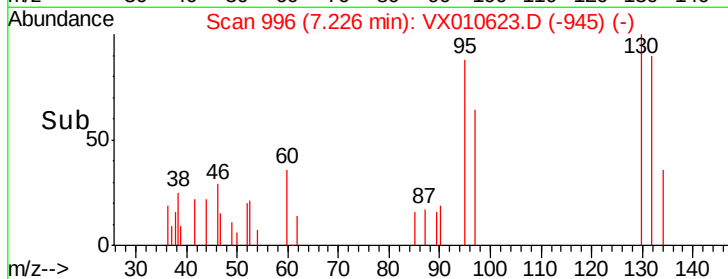
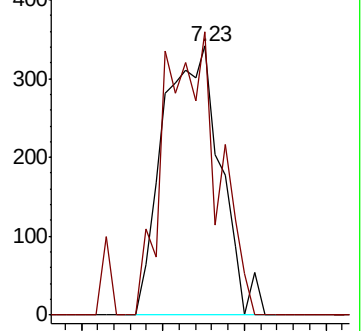
130 100

95 105.3 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.281 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX010623.D

Acq: 02 Jul 2019 17:34

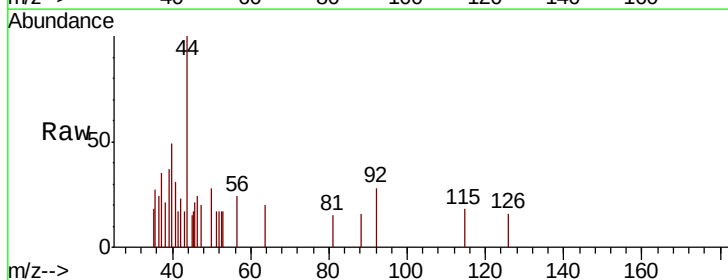
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 631.6 20.2 30.2#

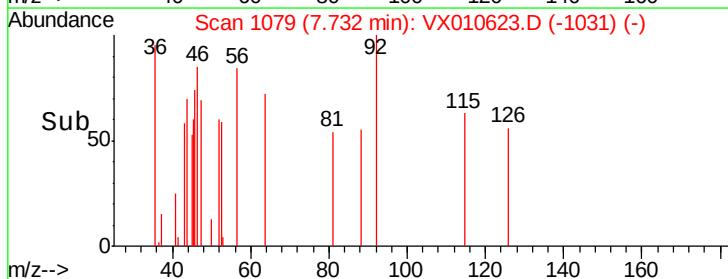
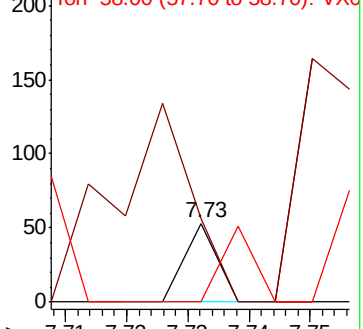
58 100.0 49.5 74.3#

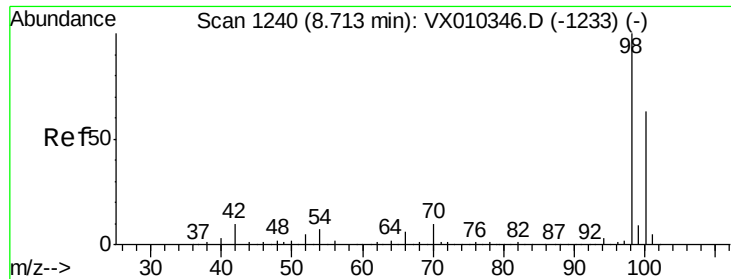


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

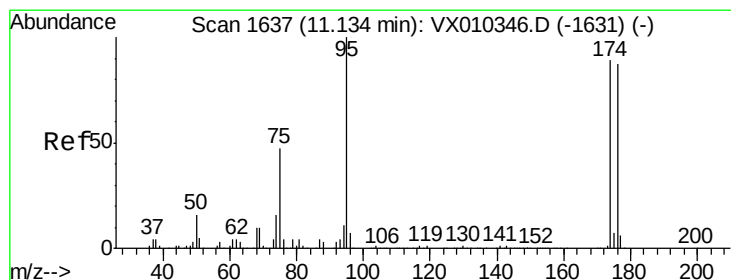
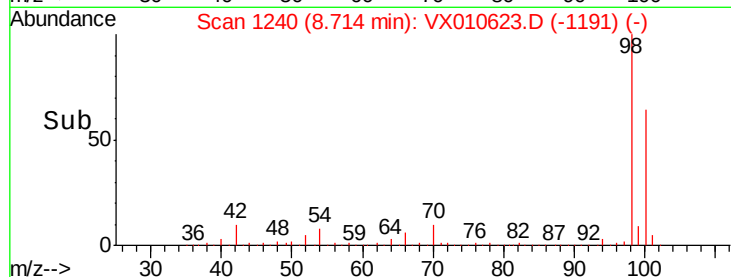
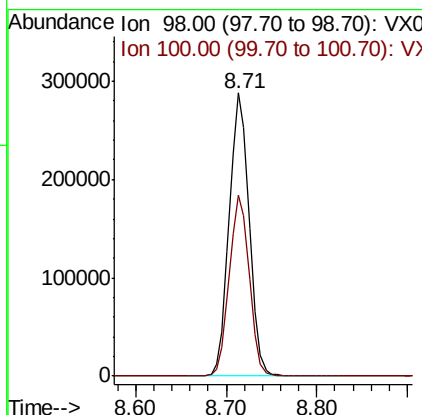
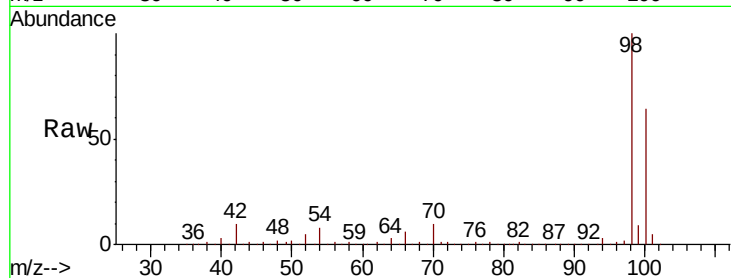




#50
Toluene-d8
Concen: 50.426 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010623.D
Acq: 02 Jul 2019 17:34

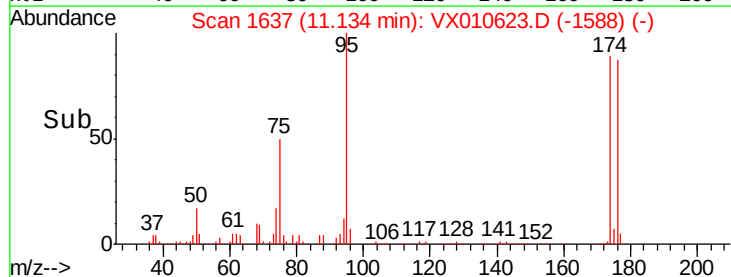
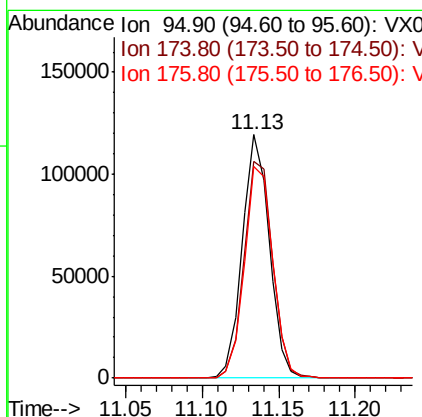
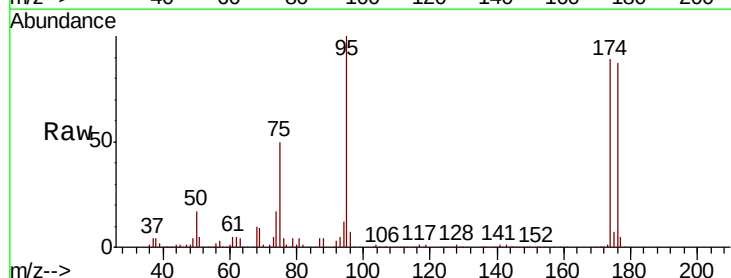
Instrument :
MSVOA_X
ClientSampleId :
SP19-LF3MW4

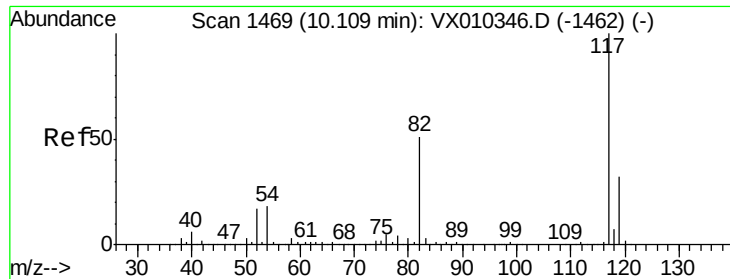
Tot Ion: 98 Resp: 440939
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.377 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010623.D
Acq: 02 Jul 2019 17:34

Tgt Ion: 95 Resp: 146409
Ion Ratio Lower Upper
95 100
174 94.3 0.0 187.6
176 91.7 0.0 184.0

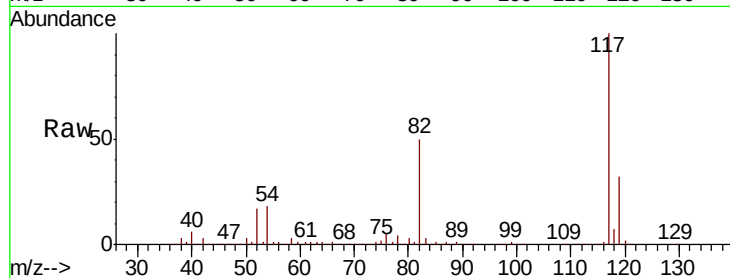




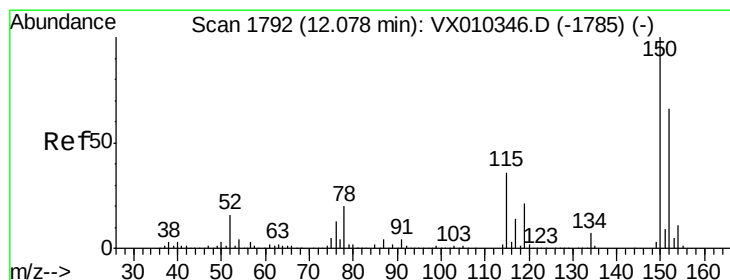
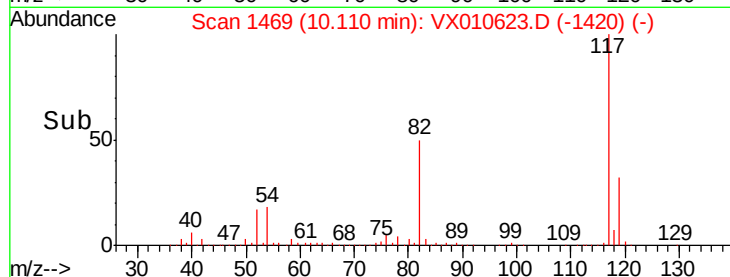
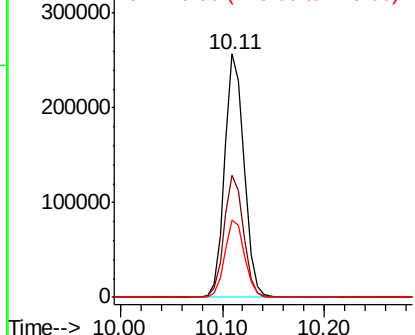
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010623.D
Acq: 02 Jul 2019 17:34

Instrument :
MSVOA_X
ClientSampleId :
SP19-LF3MW4

Tot Ion:117 Resp: 340009
Ion Ratio Lower Upper
117 100
82 50.0 41.2 61.8
119 31.7 25.5 38.3

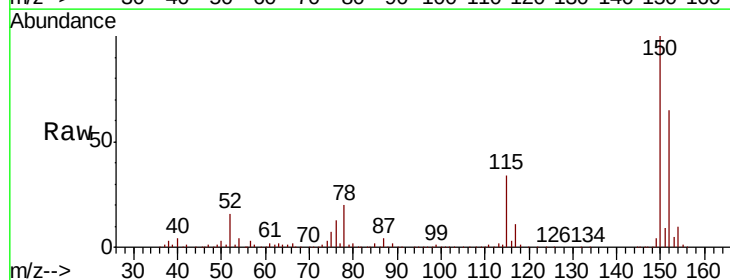


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

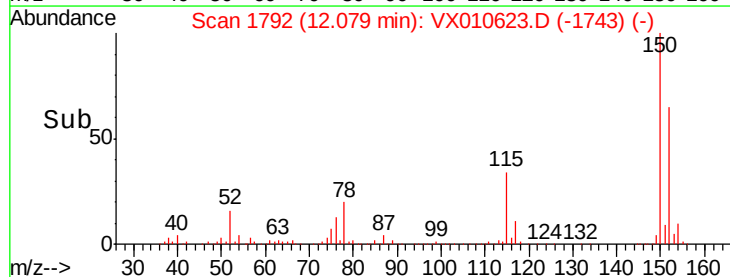
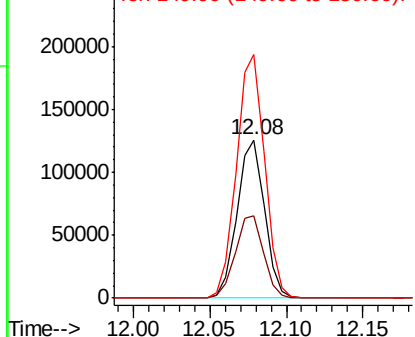


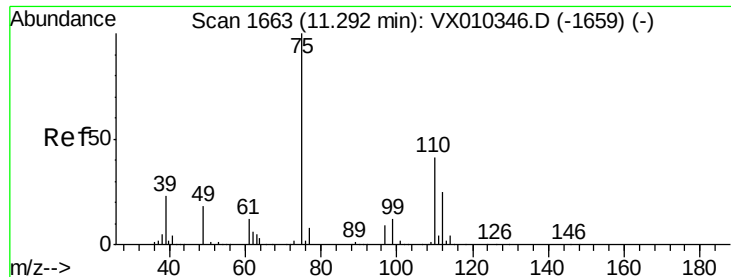
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010623.D
Acq: 02 Jul 2019 17:34

Tgt Ion:152 Resp: 156156
Ion Ratio Lower Upper
152 100
115 54.0 38.6 115.7
150 157.7 0.0 347.4



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

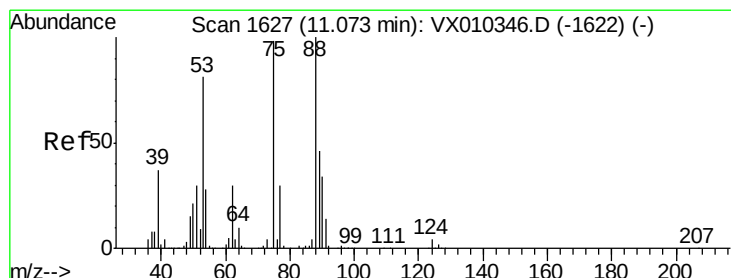
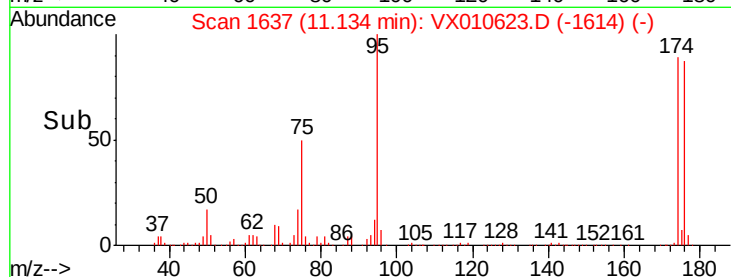
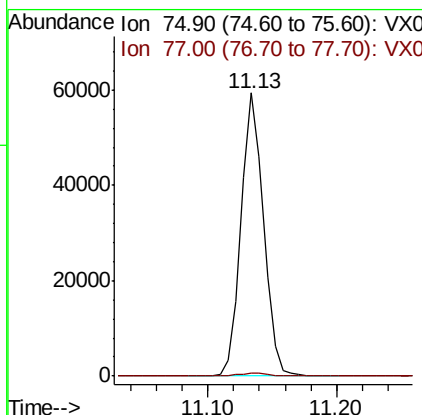
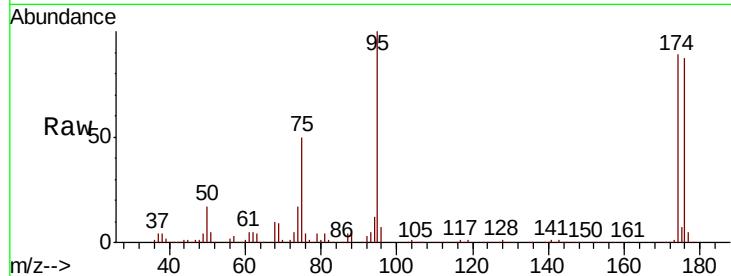




#76
 1,2,3-Trichloropropane
 Concen: 25.268 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

Instrument :
 MSVOA_X
 ClientSampleId :
 SP19-LF3MW4

Tot Ion: 75 Resp: 71901
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.947 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010623.D
 Acq: 02 Jul 2019 17:34

Tgt Ion: 75 Resp: 71901
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

