

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
 Data File : VX011428.D
 Acq On : 11 Aug 2019 13:55
 Operator : JC/SP
 Sample : K4228-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-F2-(0)

Quant Time: Aug 12 07:48:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	210994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	310410	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128915	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	110505	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	5.49	113	94291	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.71	98	370286	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	11.13	95	124536	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

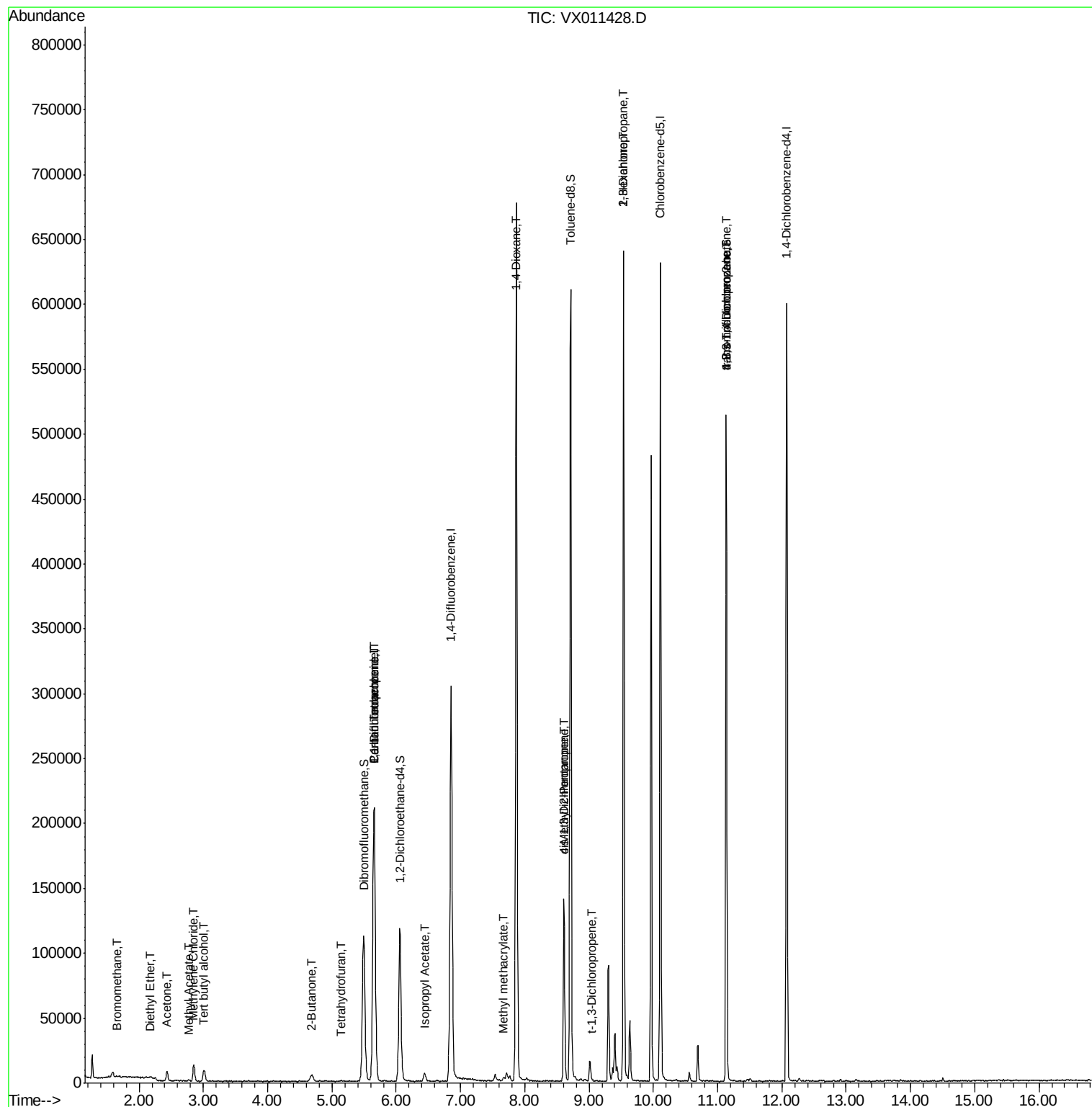
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	559	0.389	ug/l #	51
6) Chloroethane	1.76	64	263	Below Cal	#	86
8) Diethyl Ether	2.18	74	503	0.394	ug/l	61
11) Tert butyl alcohol	3.01	59	4986	11.789	ug/l #	78
13) Acrolein	2.28	56	83	Below Cal	#	15
16) Acetone	2.43	43	7543	7.458	ug/l	95
18) Methyl Acetate	2.77	43	1133	0.490	ug/l	94
20) Methylene Chloride	2.85	84	5858	2.645	ug/l	91
25) 2-Butanone	4.68	43	1186	0.824	ug/l #	87
29) Tetrahydrofuran	5.13	42	401	0.455	ug/l #	85
36) 1,1-Dichloropropene	5.65	75	14538	5.364	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19773	7.252	ug/l #	15
43) Isopropyl Acetate	6.45	43	9128	2.100	ug/l	98
48) Methyl methacrylate	7.67	41	4044	1.977	ug/l #	10
49) 1,4-Dioxane	7.87	88	151	2.546	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	45451	16.204	ug/l #	48
53) t-1,3-Dichloropropene	9.04	75	48	2.853	ug/l #	1
54) cis-1,3-Dichloropropene	8.61	75	22085	7.303	ug/l #	65
57) 1,3-Dichloropropane	9.54	76	5389	1.550	ug/l #	41
59) 2-Hexanone	9.54	43	70320	32.367	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	63068	26.864	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	63068	69.766	ug/l #	10

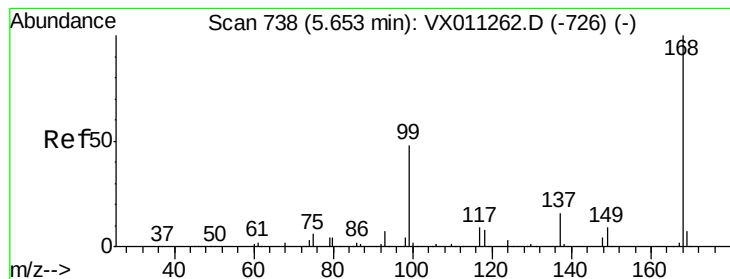
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
2S-F2-(0)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 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: VX011428.D

Acq: 11 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

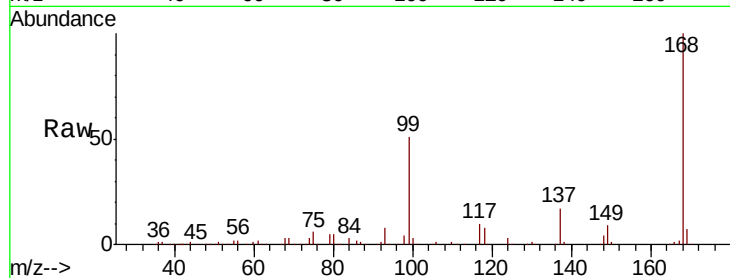
2S-F2-(0)

Tgt Ion:168 Resp: 210994

Ion Ratio Lower Upper

168 100

99 50.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

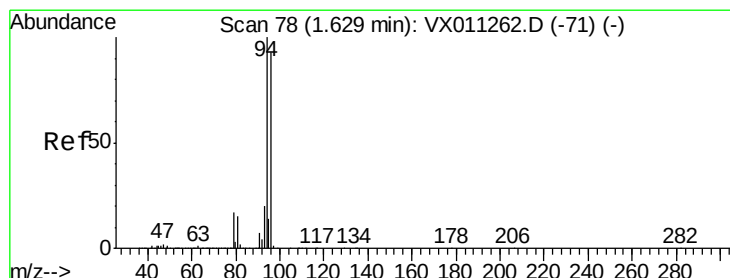
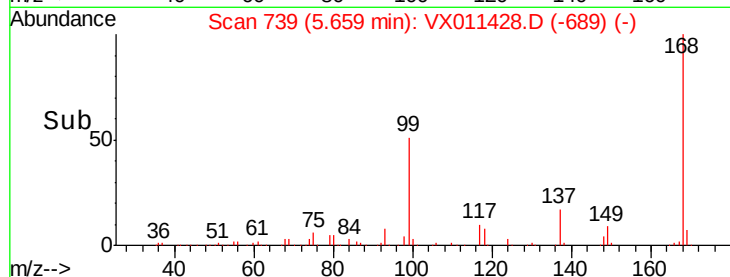
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.389 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX011428.D

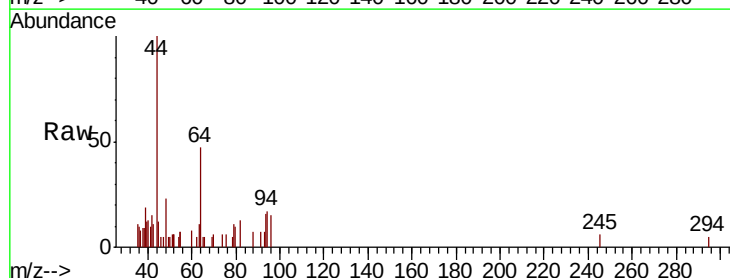
Acq: 11 Aug 2019 13:55

Tgt Ion: 94 Resp: 559

Ion Ratio Lower Upper

94 100

96 46.2 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

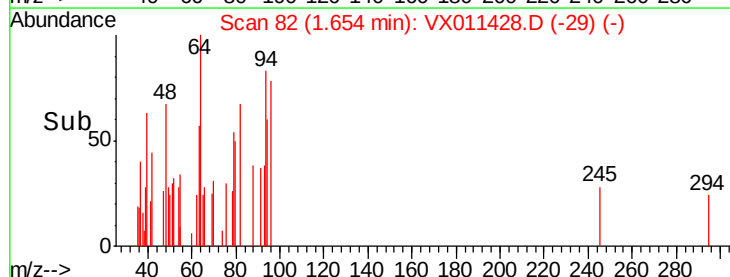
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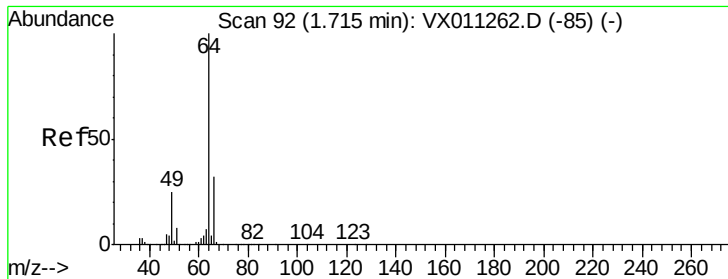
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX011428.D

Acq: 11 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

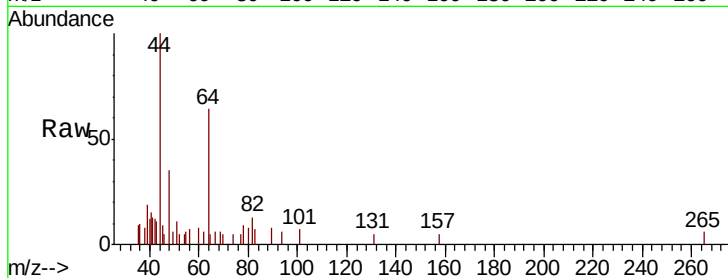
2S-F2-(0)

Tgt Ion: 64 Resp: 263

Ion Ratio Lower Upper

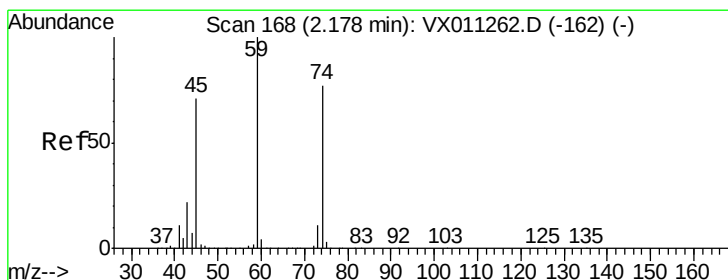
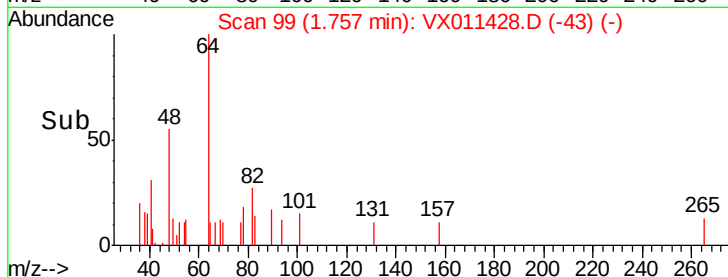
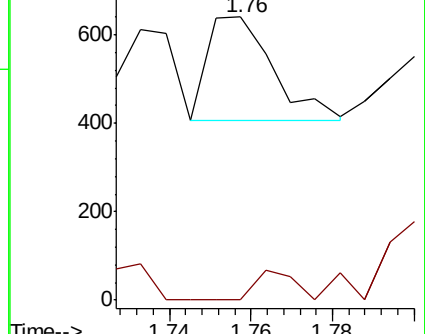
64 100

66 23.9 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: 0.394 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VX011428.D

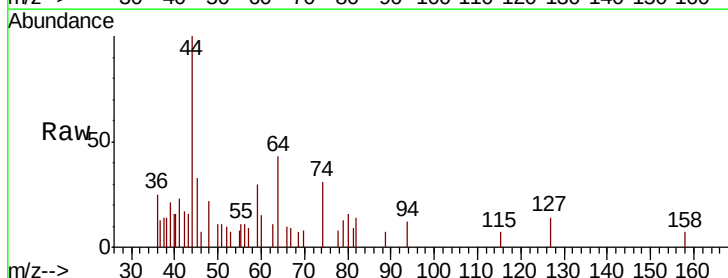
Acq: 11 Aug 2019 13:55

Tgt Ion: 74 Resp: 503

Ion Ratio Lower Upper

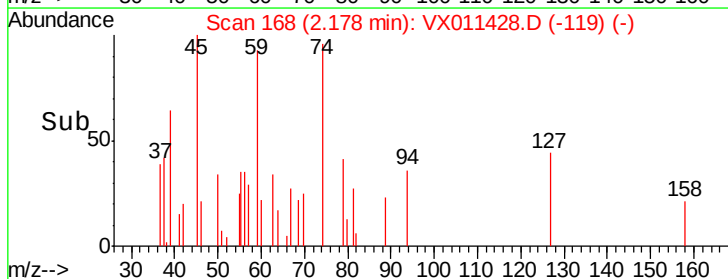
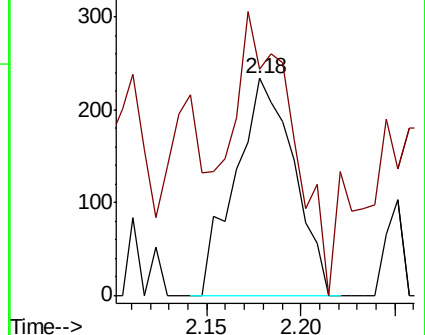
74 100

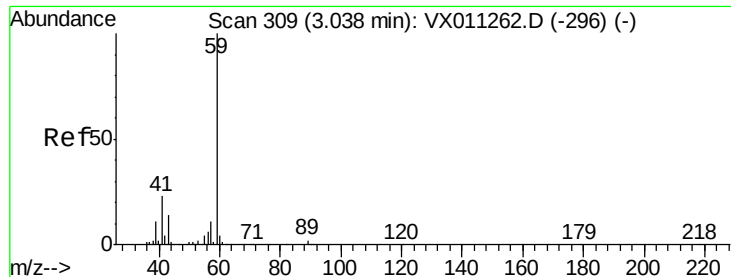
45 129.4 46.1 138.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



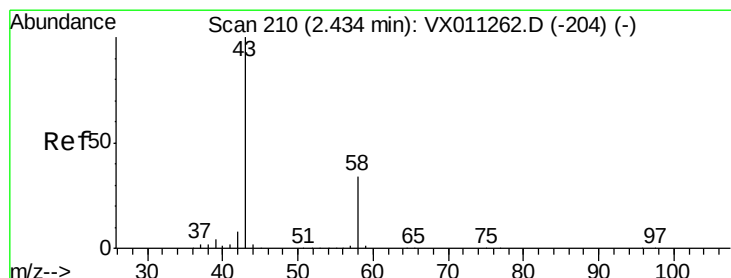
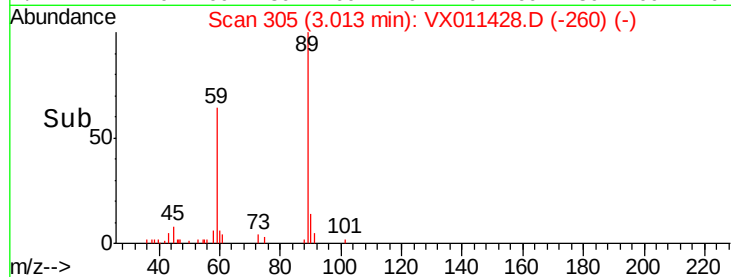
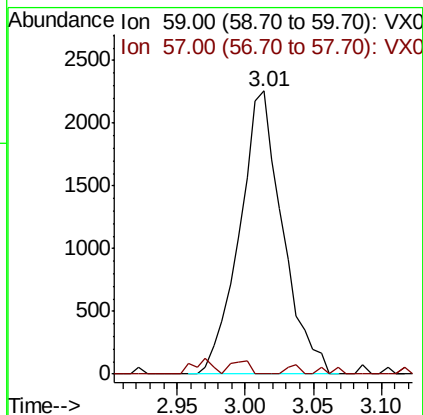
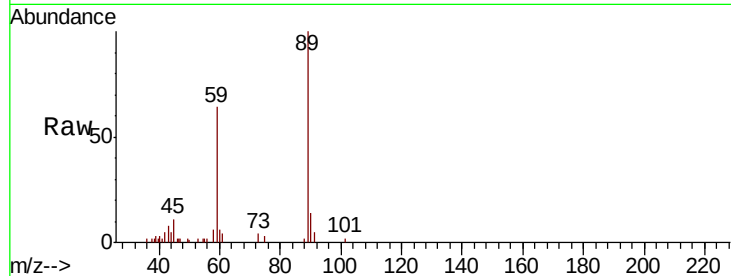


#11

Tert butyl alcohol
 Concen: 11.789 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.02 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-F2-(0)

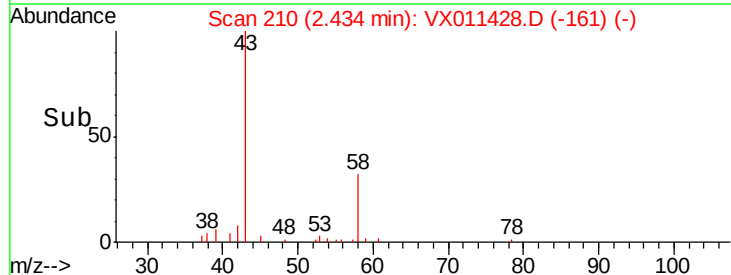
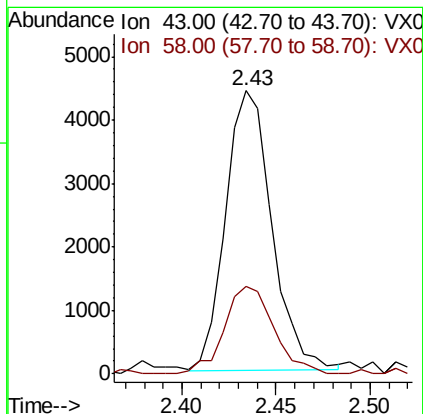
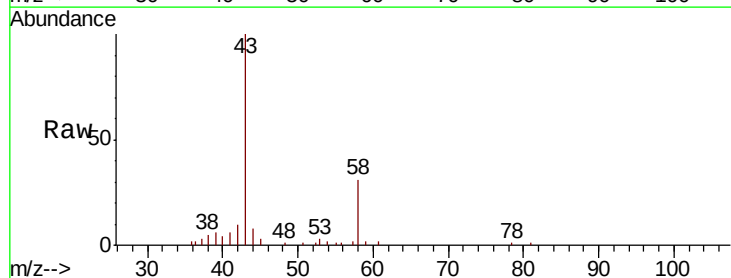
Tgt Ion: 59 Resp: 4986
 Ion Ratio Lower Upper
 59 100
 57 2.1 8.3 12.5#

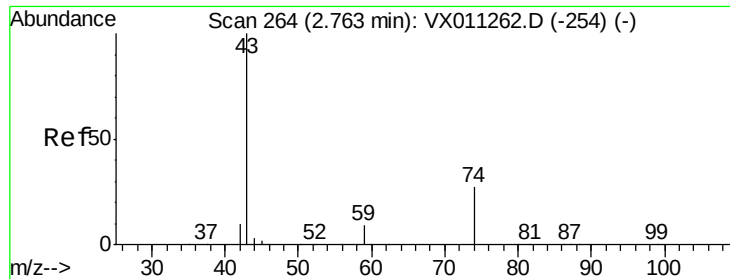


#16

Acetone
 Concen: 7.458 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

Tgt Ion: 43 Resp: 7543
 Ion Ratio Lower Upper
 43 100
 58 31.5 27.4 41.0

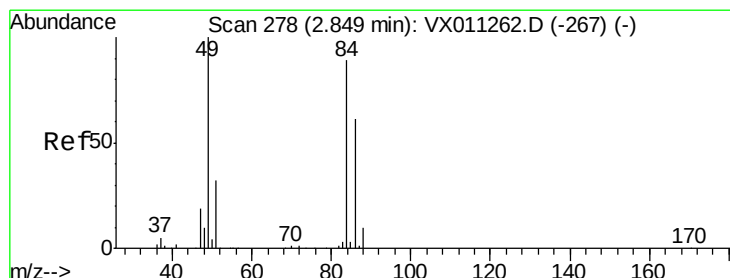
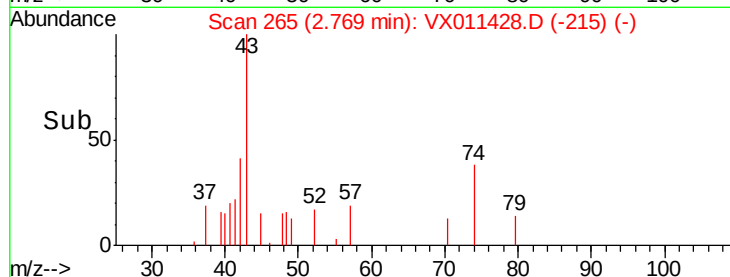
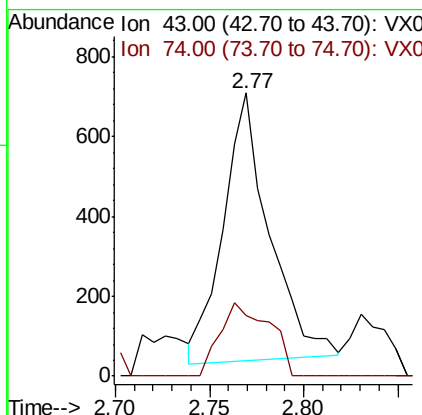
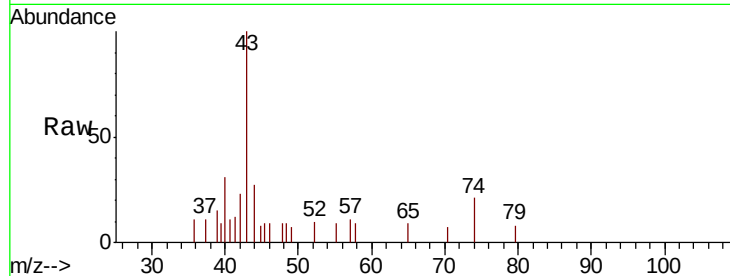




#18
Methyl Acetate
Concen: 0.490 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

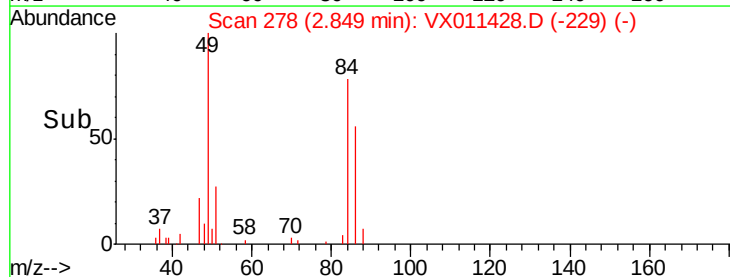
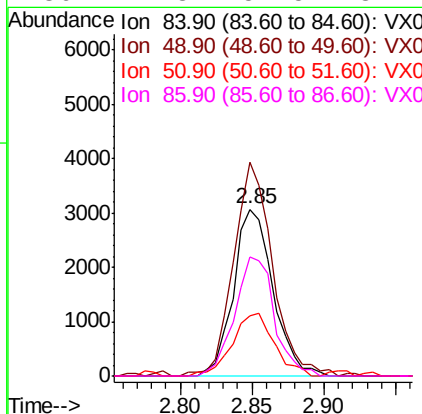
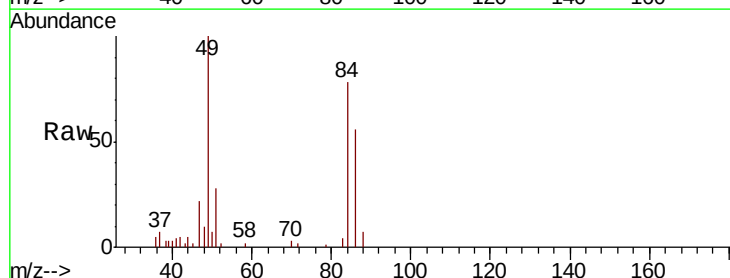
Instrument :
MSVOA_X
ClientSampleId :
2S-F2-(0)

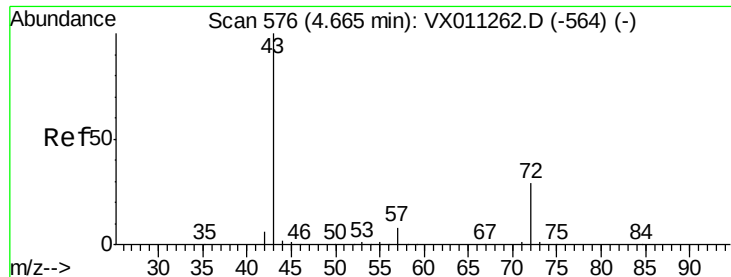
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
74 29.6 21.0 31.6



#20
Methylene Chloride
Concen: 2.645 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

Tgt Ion: 84 Resp: 5858
Ion Ratio Lower Upper
84 100
49 128.0 89.3 133.9
51 36.0 28.3 42.5
86 71.3 54.5 81.7





#25

2-Butanone

Concen: 0.824 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011428.D

Acq: 11 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

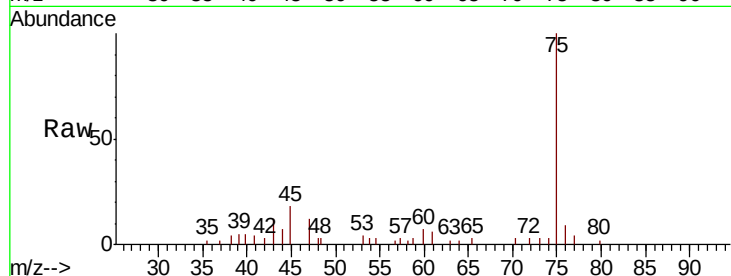
2S-F2-(0)

Tgt Ion: 43 Resp: 1186

Ion Ratio Lower Upper

43 100

72 22.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

300

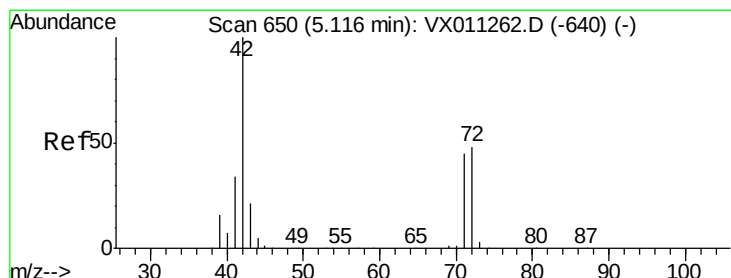
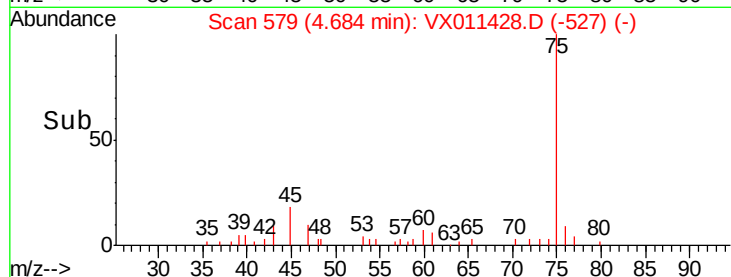
200

100

0

4.60 4.65 4.70 4.75

Time-->



#29

Tetrahydrofuran

Concen: 0.455 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.02 min

Lab File: VX011428.D

Acq: 11 Aug 2019 13:55

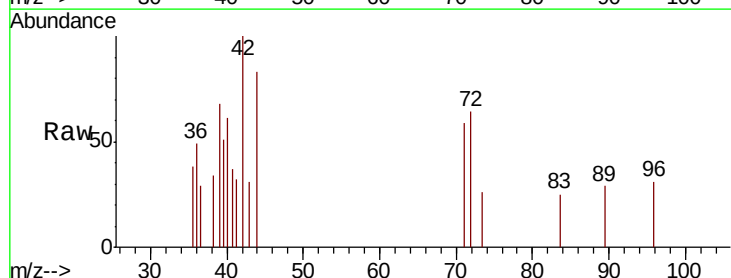
Tgt Ion: 42 Resp: 401

Ion Ratio Lower Upper

42 100

72 36.2 39.9 59.9#

71 51.9 36.9 55.3



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

300

250

200

150

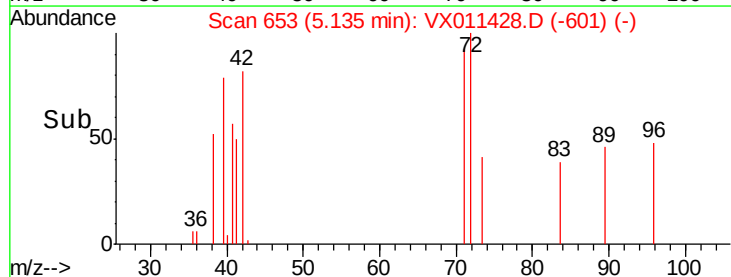
100

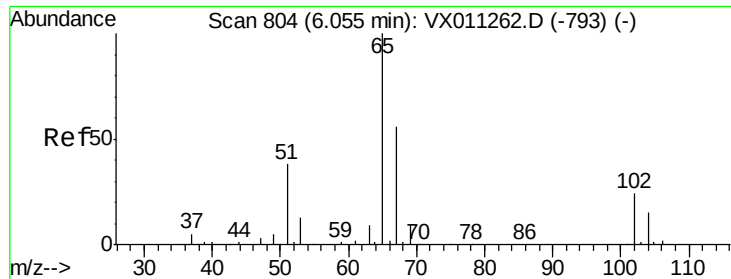
50

0

5.08 5.10 5.12 5.14 5.16

Time-->

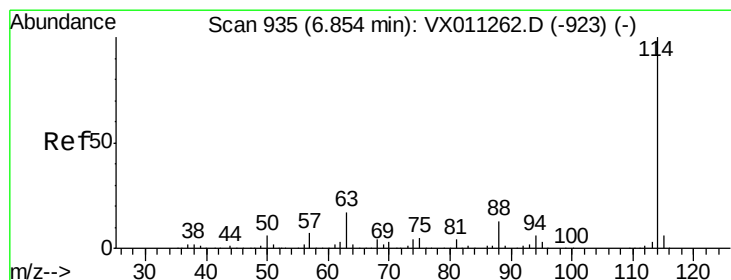
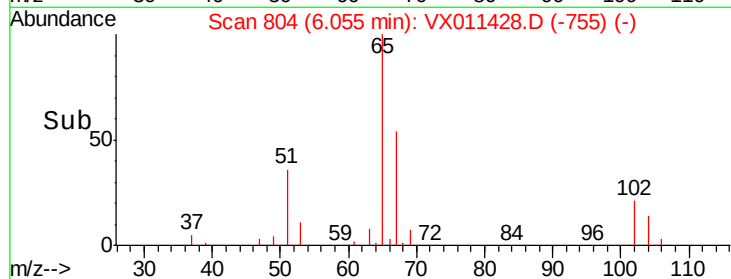
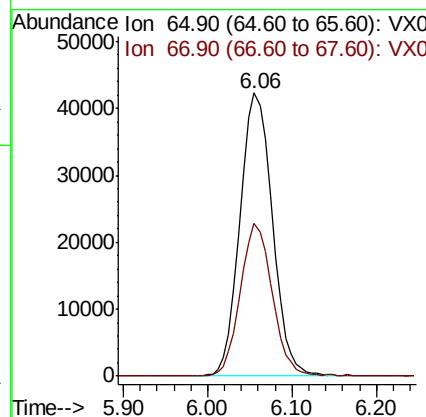
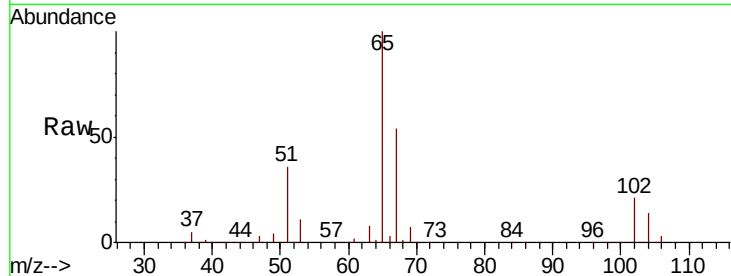




#33
 1,2-Dichloroethane-d4
 Concen: 52.007 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

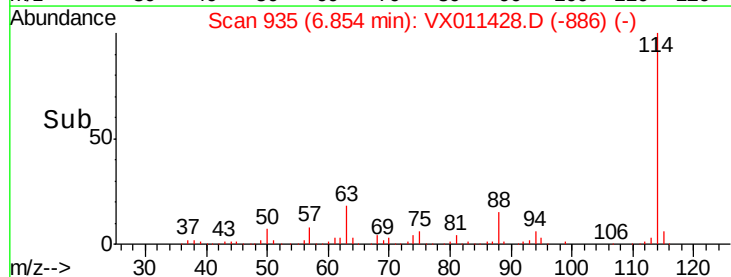
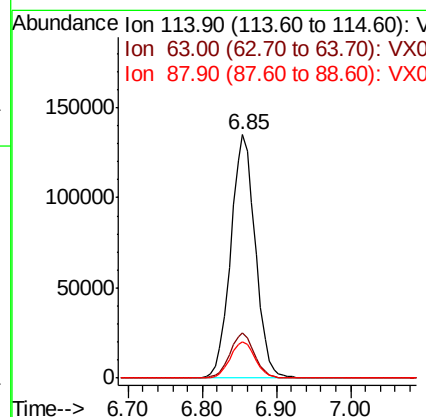
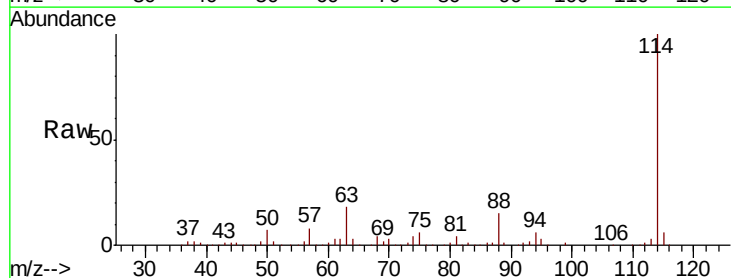
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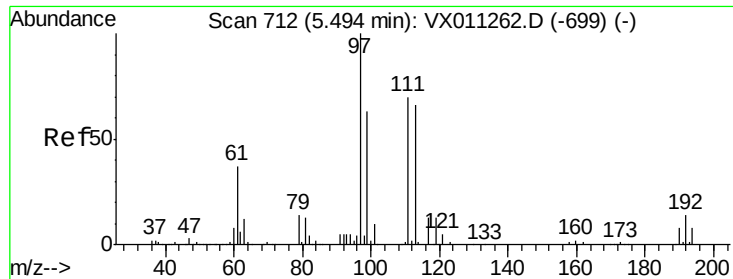
Tgt Ion: 65 Resp: 110505
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

Tgt Ion: 114 Resp: 310410
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 34.0
 88 14.8 0.0 26.4

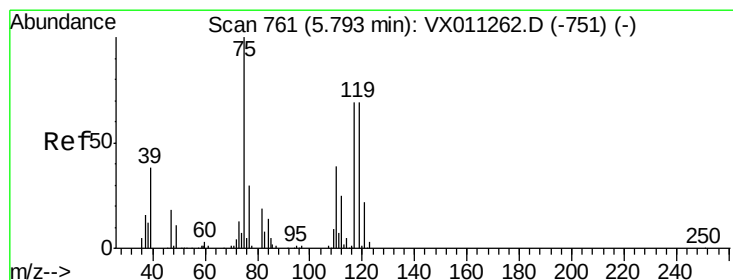
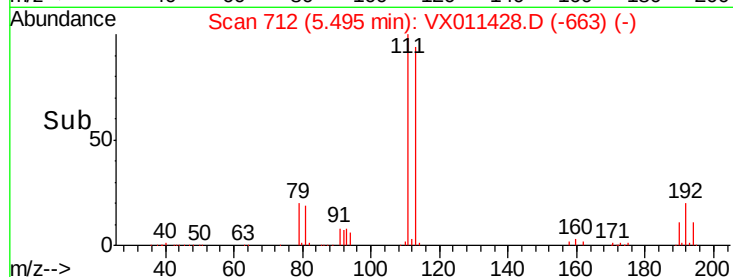
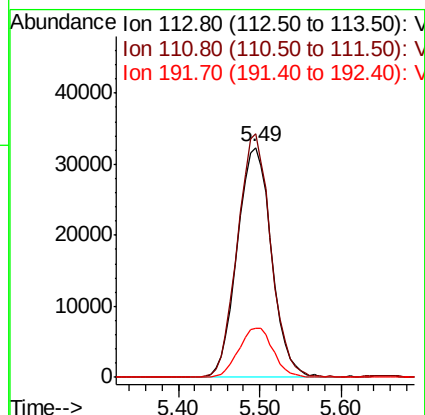
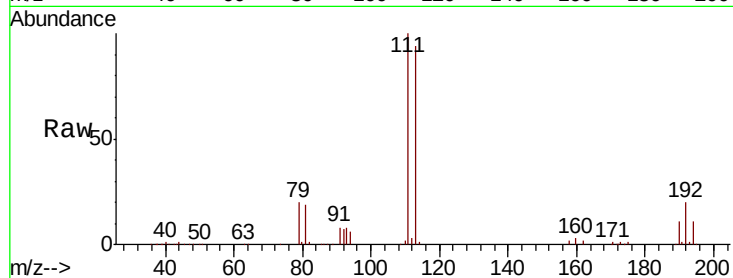




#35
 Dibromofluoromethane
 Concen: 46.527 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

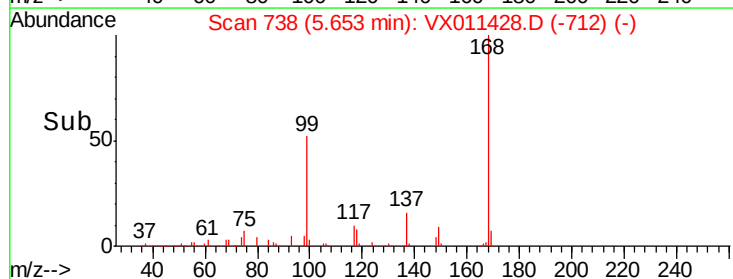
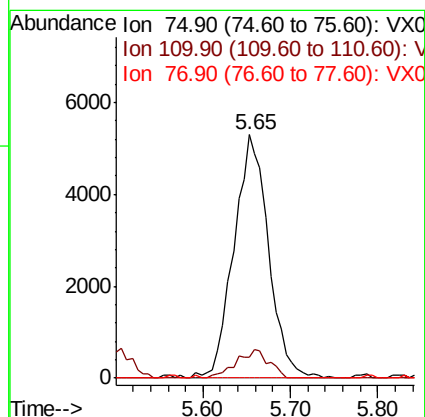
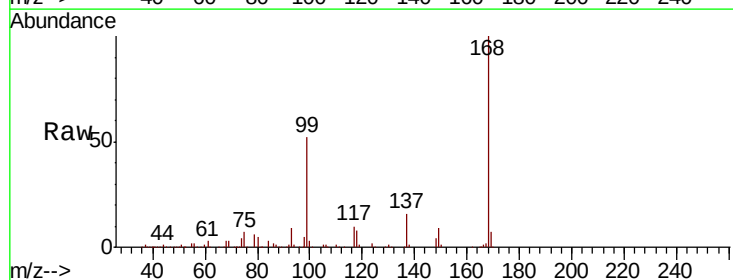
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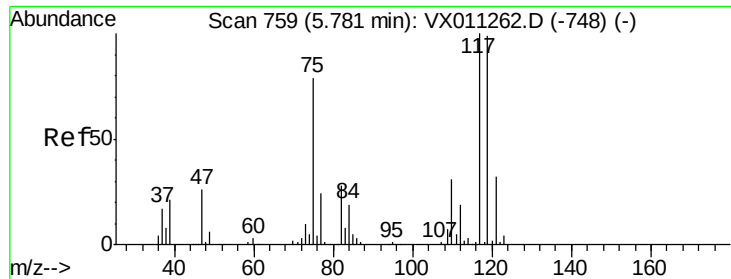
Tgt Ion:113 Resp: 94291
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.9 122.9
 192 21.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 5.364 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

Tgt Ion: 75 Resp: 14538
 Ion Ratio Lower Upper
 75 100
 110 11.1 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.252 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011428.D

Acq: 11 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

2S-F2-(0)

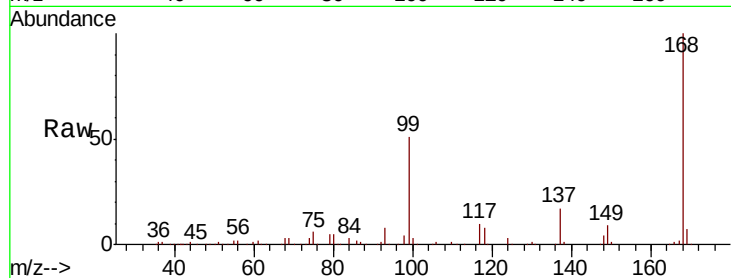
Tgt Ion:117 Resp: 19773

Ion Ratio Lower Upper

117 100

119 5.0 79.0 118.4#

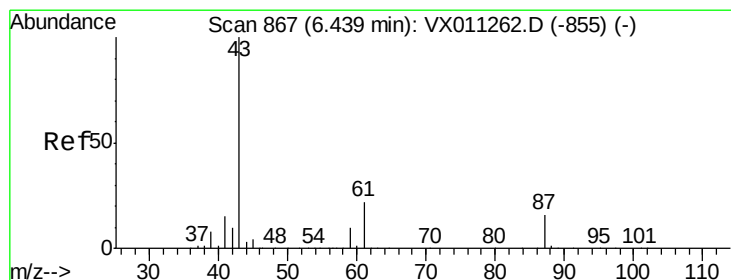
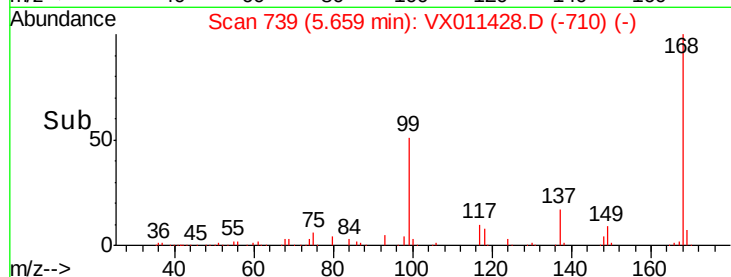
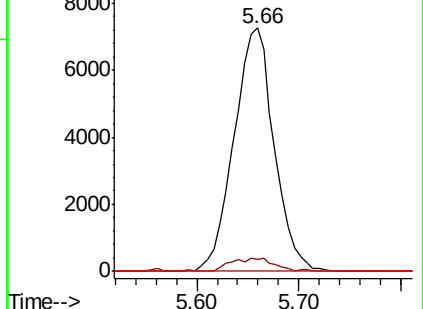
121 0.0 25.9 38.9#



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



#43

Isopropyl Acetate

Concen: 2.100 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX011428.D

Acq: 11 Aug 2019 13:55

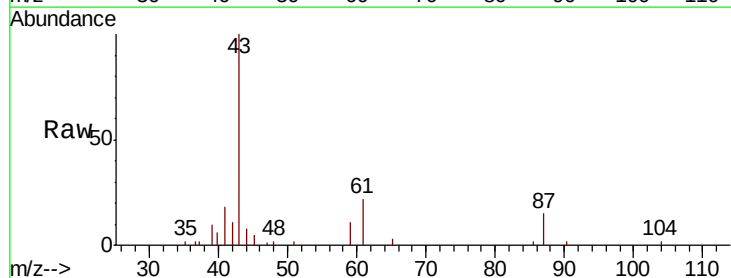
Tgt Ion: 43 Resp: 9128

Ion Ratio Lower Upper

43 100

61 21.1 16.5 24.7

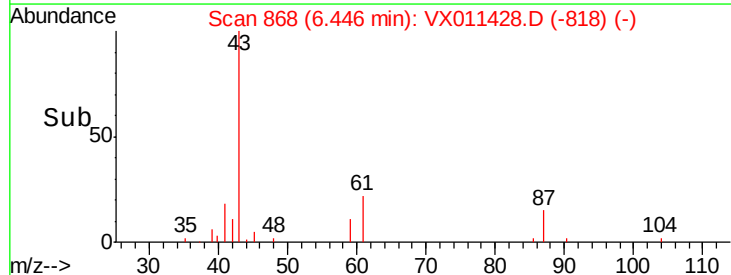
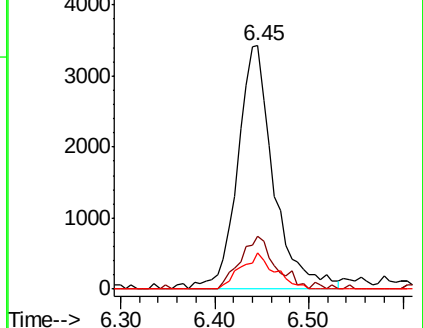
87 14.0 12.1 18.1

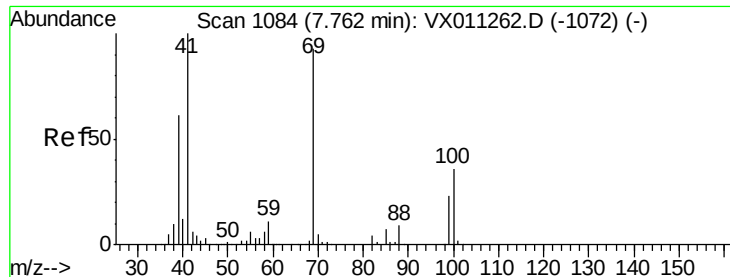


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

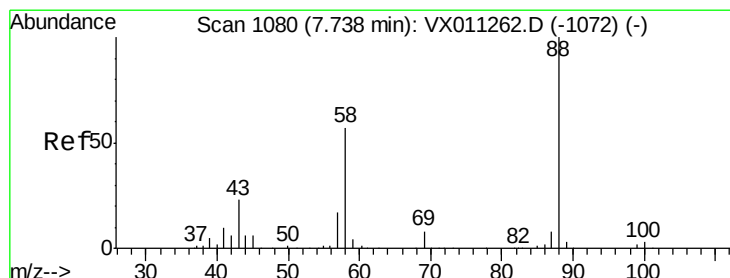
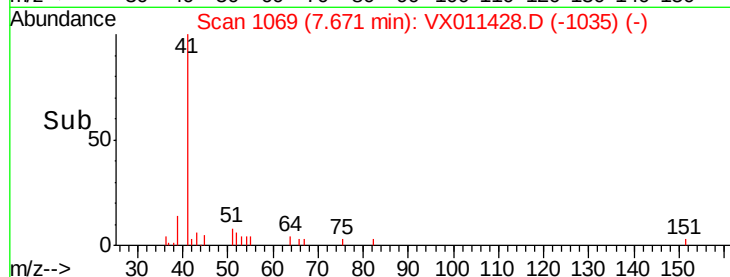
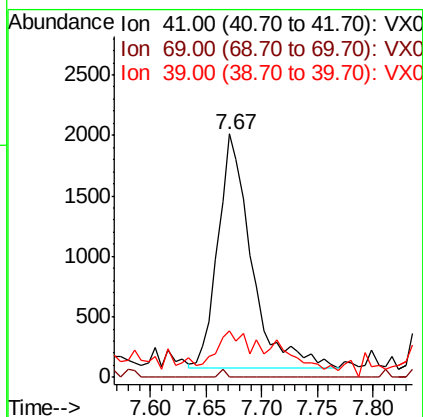
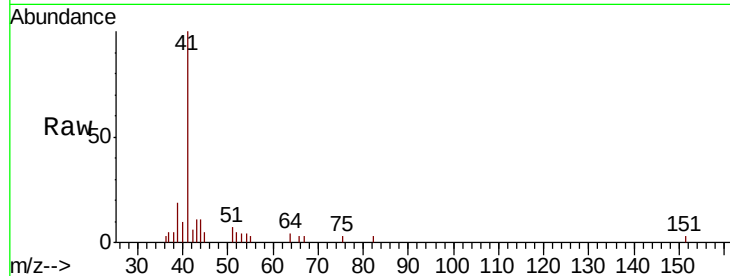




#48
Methyl methacrylate
Concen: 1.977 ug/l
RT: 7.67 min Scan# 1069
Delta R.T. -0.09 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

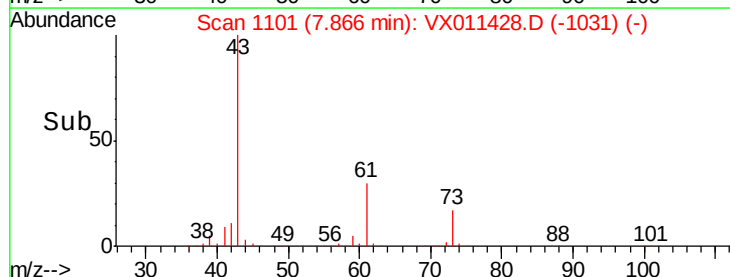
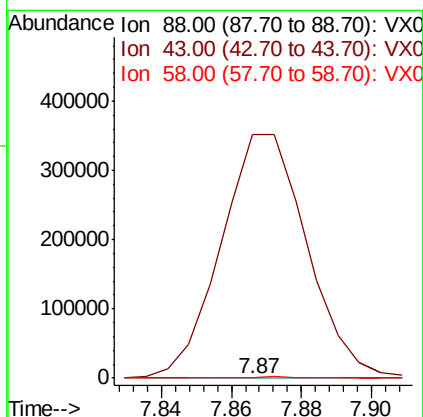
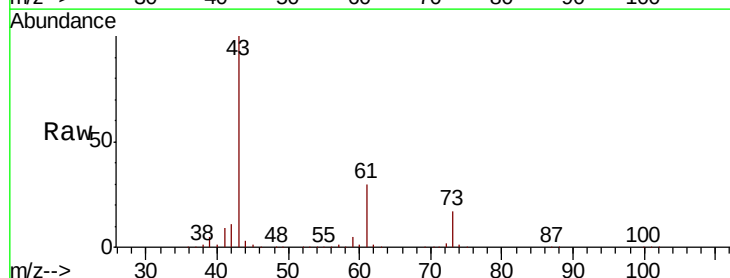
Instrument :
MSVOA_X
ClientSampleId :
2S-F2-(0)

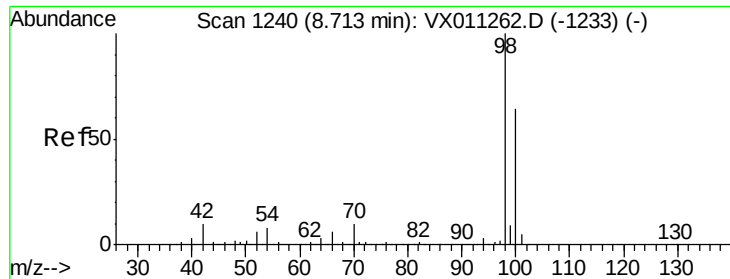
Tgt Ion: 41 Resp: 4044
Ion Ratio Lower Upper
41 100
69 0.6 74.5 111.7#
39 0.0 48.6 72.8#



#49
1,4-Dioxane
Concen: 2.546 ug/l
RT: 7.87 min Scan# 1101
Delta R.T. 0.13 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

Tgt Ion: 88 Resp: 151
Ion Ratio Lower Upper
88 100
43 401857.0 22.2 33.2#
58 1922.5 47.8 71.8#

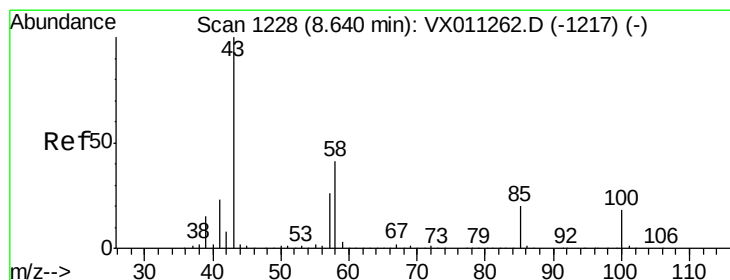
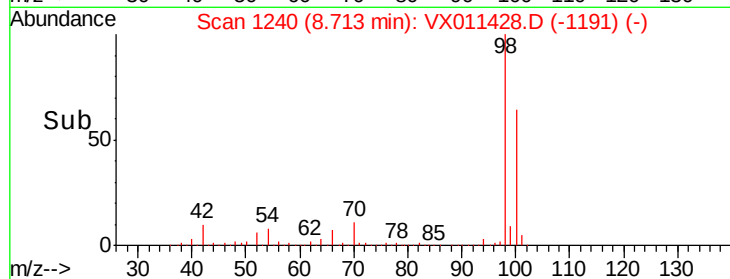
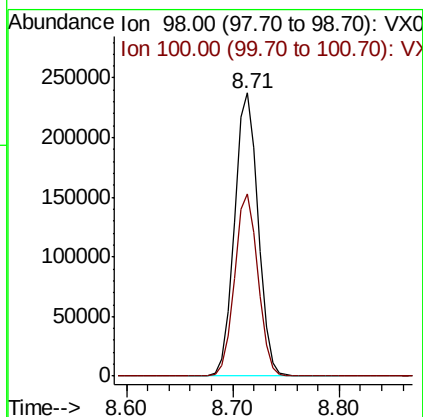
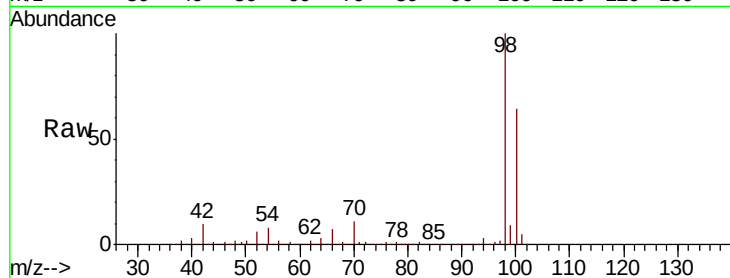




#50
Toluene-d8
Concen: 48.405 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

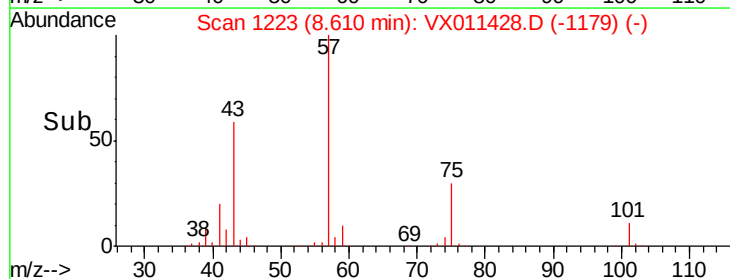
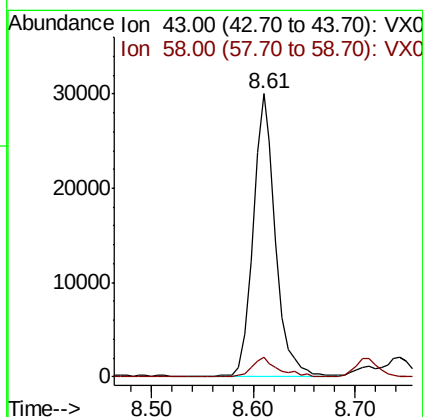
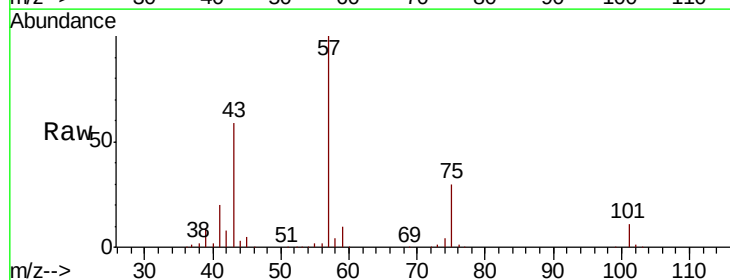
Instrument :
MSVOA_X
ClientSampled :
2S-F2-(0)

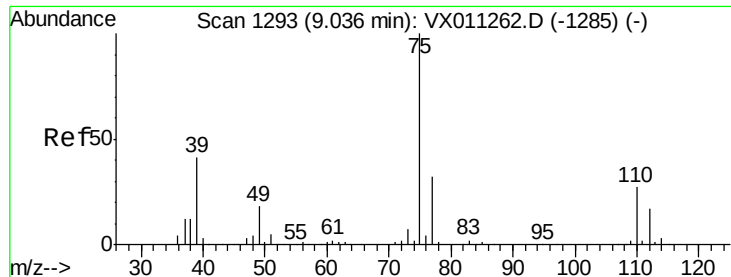
Tgt Ion: 98 Resp: 370286
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 16.204 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

Tgt Ion: 43 Resp: 45451
Ion Ratio Lower Upper
43 100
58 8.1 32.3 48.5#

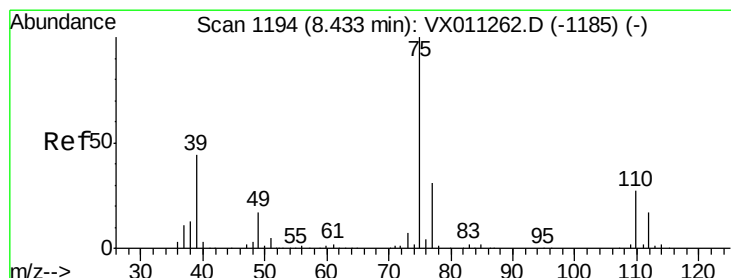
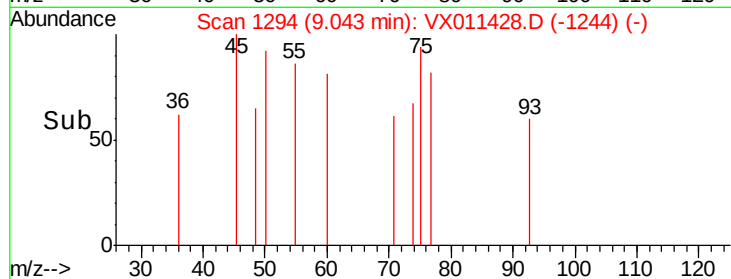
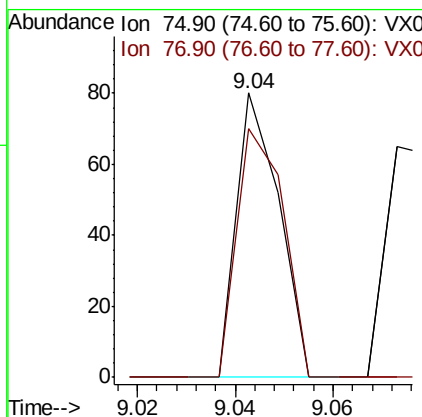
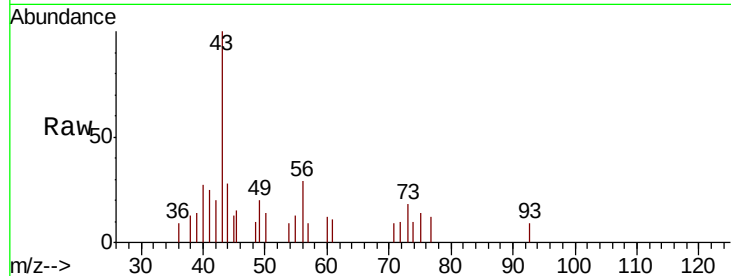




#53
 t-1,3-Dichloropropene
 Concen: 2.853 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

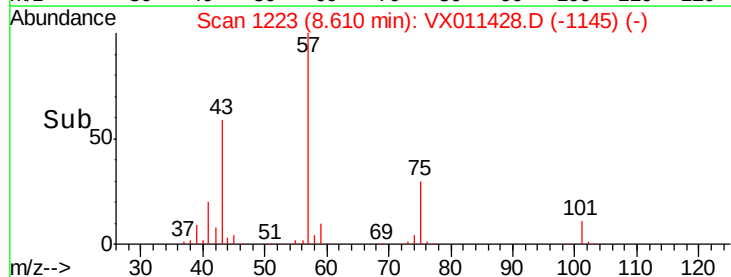
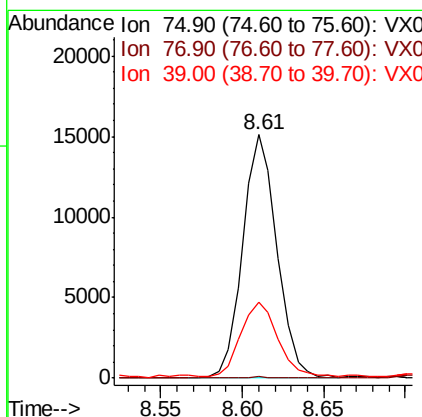
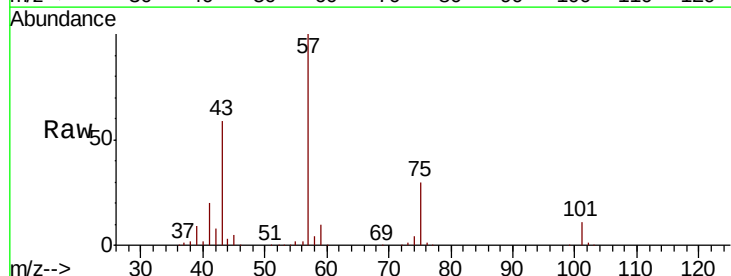
Instrument :
 MSVOA_X
 ClientSampleId :
 2S-F2-(0)

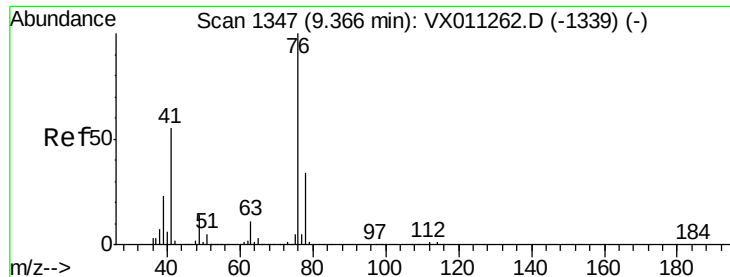
Tgt Ion: 75 Resp: 48
 Ion Ratio Lower Upper
 75 100
 77 87.5 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 7.303 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

Tgt Ion: 75 Resp: 22085
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 30.7 35.3 52.9#

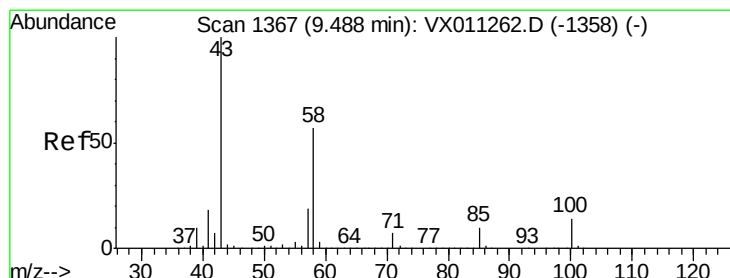
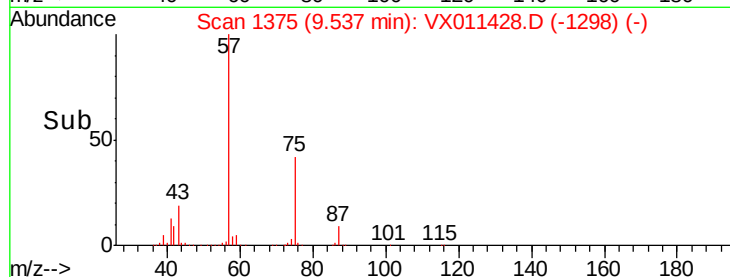
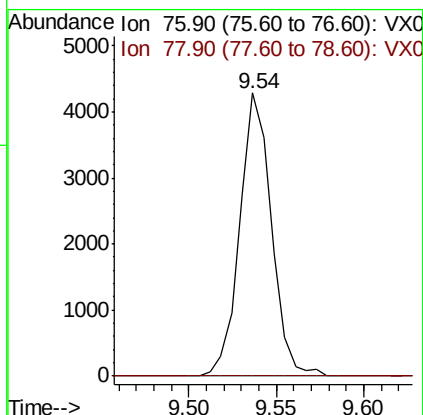
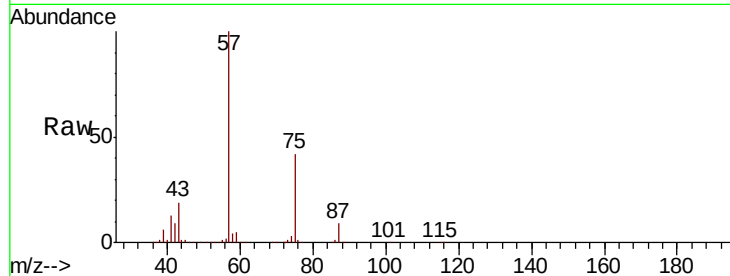




#57
 1,3-Dichloropropane
 Concen: 1.550 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.17 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

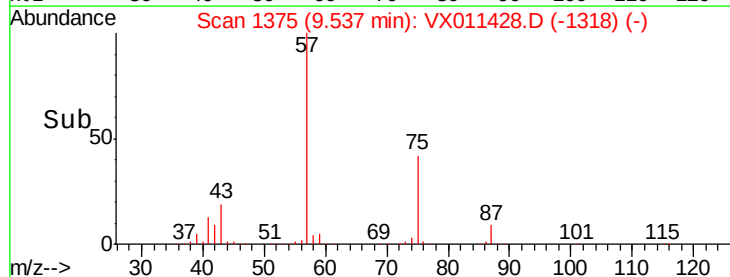
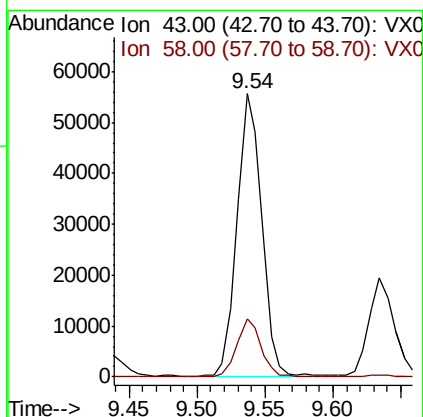
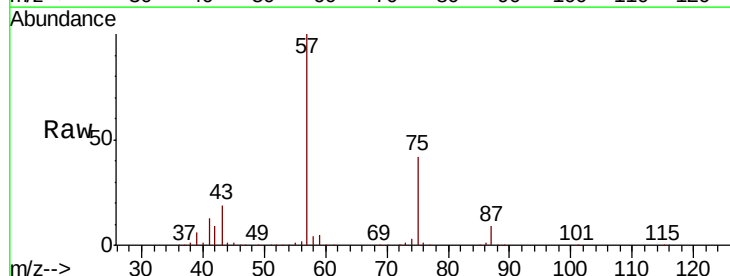
Instrument :
 MSVOA_X
 ClientSampleId :
 2S-F2-(0)

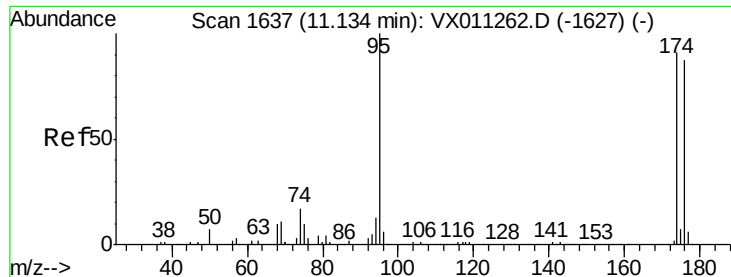
Tgt Ion: 76 Resp: 5389
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.6 40.0#



#59
 2-Hexanone
 Concen: 32.367 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.05 min
 Lab File: VX011428.D
 Acq: 11 Aug 2019 13:55

Tgt Ion: 43 Resp: 70320
 Ion Ratio Lower Upper
 43 100
 58 20.5 28.2 84.6#

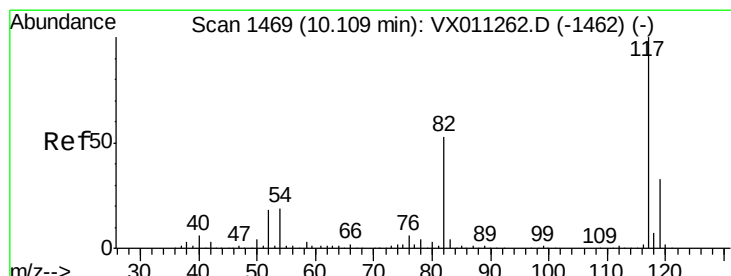
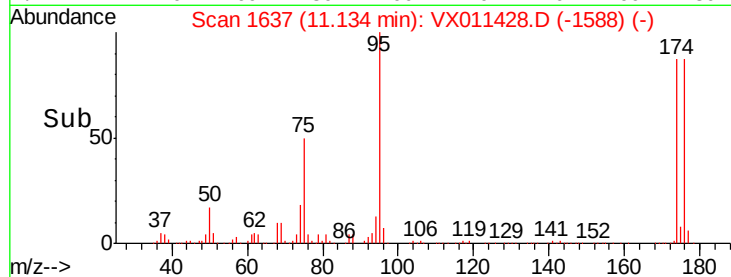
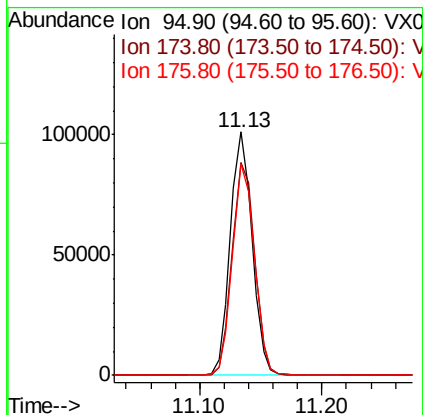
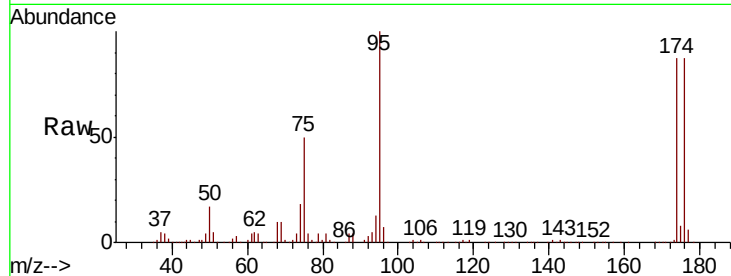




#62
4-Bromofluorobenzene
Concen: 45.598 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

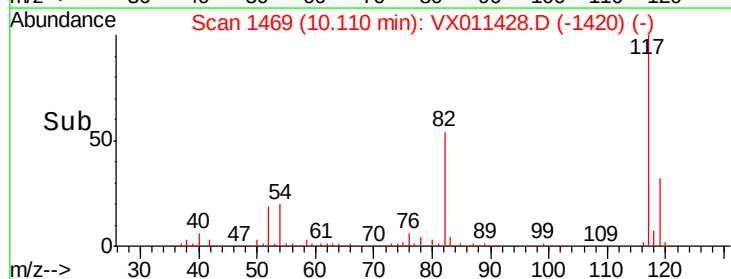
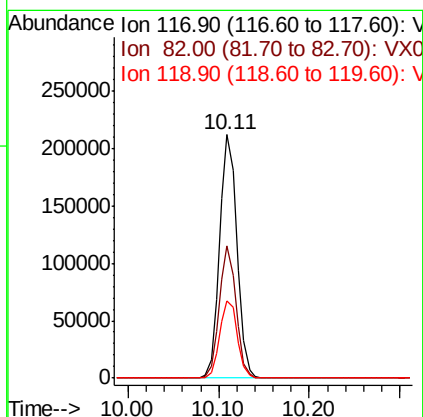
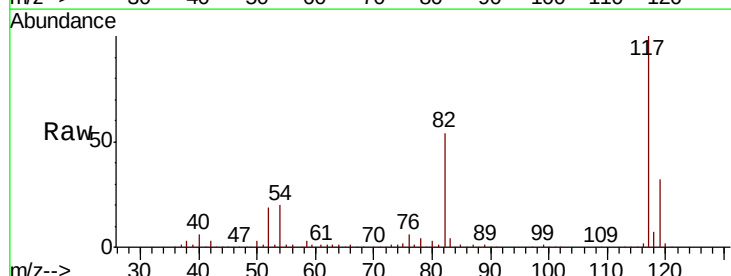
Instrument :
MSVOA_X
ClientSampleId :
2S-F2-(0)

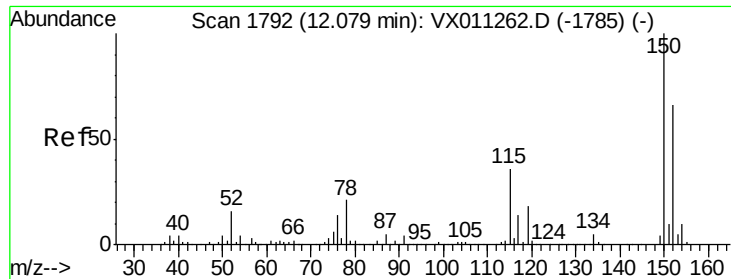
Tgt Ion: 95 Resp: 124536
Ion Ratio Lower Upper
95 100
174 90.6 0.0 191.2
176 87.7 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011428.D
Acq: 11 Aug 2019 13:55

Tgt Ion: 117 Resp: 284455
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.2
119 32.0 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011428.D

Acq: 11 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

2S-F2-(0)

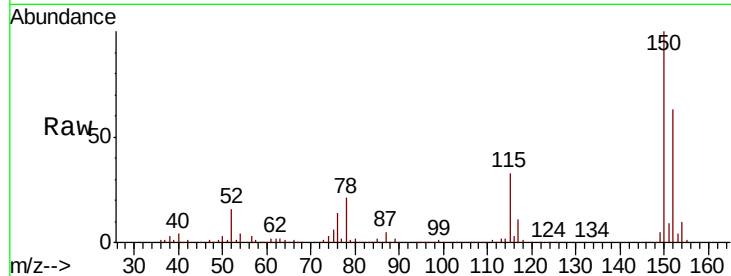
Tgt Ion: 152 Resp: 128915

Ion Ratio Lower Upper

152 100

115 56.3 40.0 119.9

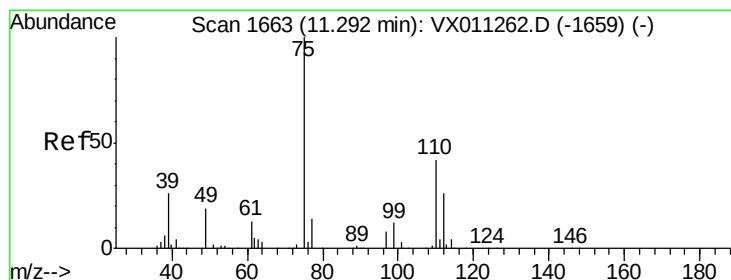
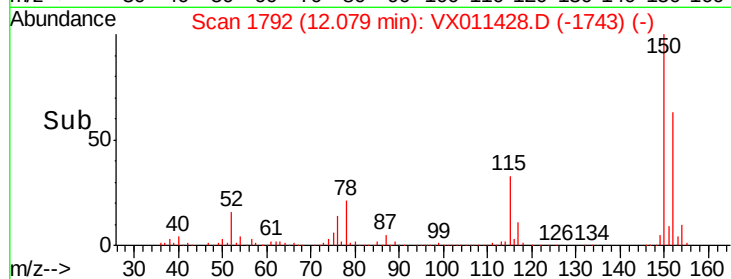
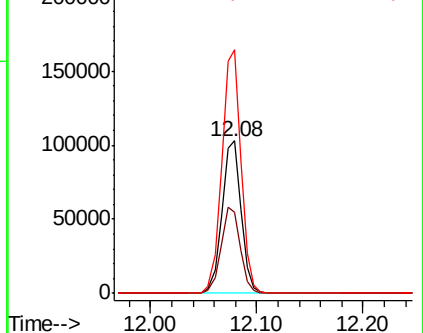
150 160.1 0.0 350.4



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: 26.864 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011428.D

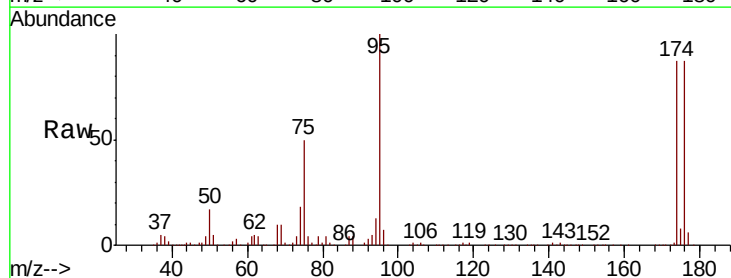
Acq: 11 Aug 2019 13:55

Tgt Ion: 75 Resp: 63068

Ion Ratio Lower Upper

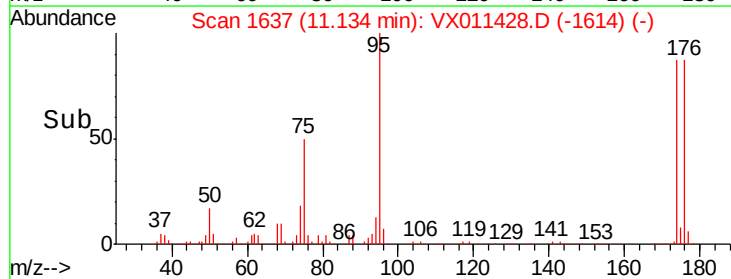
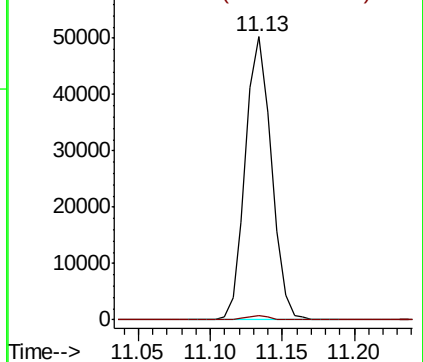
75 100

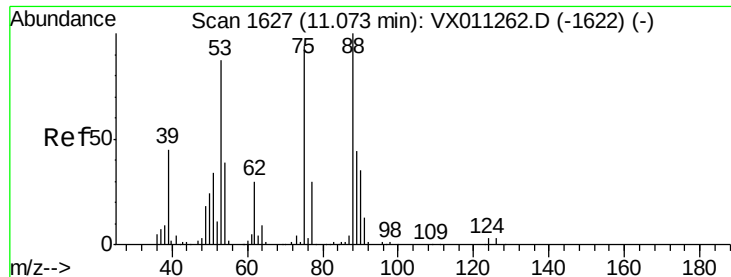
77 1.2 21.1 63.4#



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: 69.766 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011428.D

Acq: 11 Aug 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

2S-F2-(0)

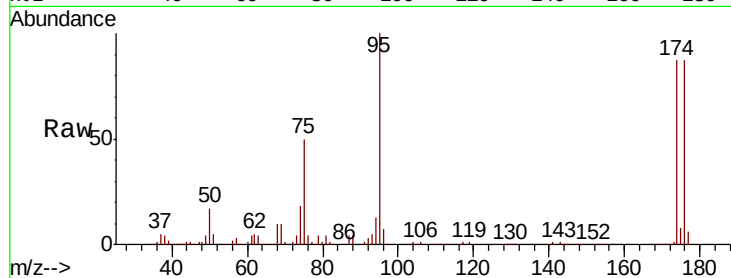
Tgt Ion: 75 Resp: 63068

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

