

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010673.D
 Acq On : 04 Jul 2019 07:28
 Operator : JC/SP
 Sample : K3669-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW218-190702

Quant Time: Jul 05 00:56:57 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	5.67	168	239931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155800	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	120080	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	
35) Dibromofluoromethane	5.50	113	113856	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
50) Toluene-d8	8.71	98	443573	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	147701	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

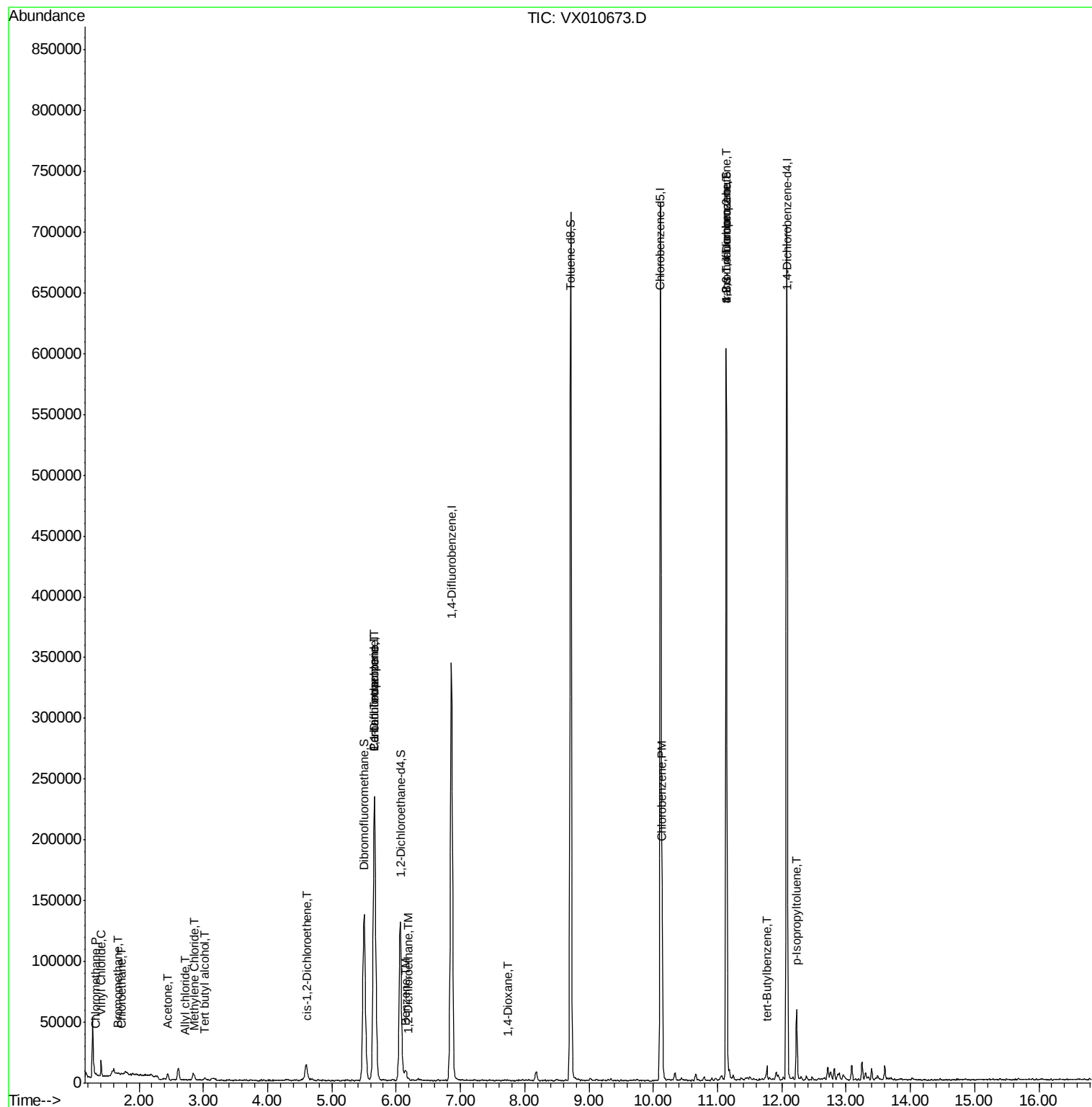
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1312	0.675	ug/l #	86
4) Vinyl Chloride	1.41	62	8251	3.878	ug/l	99
5) Bromomethane	1.67	94	708	0.683	ug/l #	60
6) Chloroethane	1.72	64	260	0.207	ug/l #	41
11) Tert butyl alcohol	3.02	59	1565	2.659	ug/l #	85
14) Allyl chloride	2.71	41	658	0.223	ug/l #	45
16) Acetone	2.45	43	5311	4.711	ug/l	94
20) Methylene Chloride	2.86	84	578	0.249	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	8634	3.340	ug/l	96
36) 1,1-Dichloropropene	5.66	75	15243	5.133	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21768	6.769	ug/l #	15
40) Benzene	6.15	78	9895	1.069	ug/l	93
42) 1,2-Dichloroethane	6.19	62	722	0.256	ug/l	78
49) 1,4-Dioxane	7.74	88	27	0.399	ug/l #	1
65) Chlorobenzene	10.14	112	62115	8.979	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	72441	25.516	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72441	59.525	ug/l #	16
83) tert-Butylbenzene	11.77	119	3781	0.433	ug/l	84
86) p-Isopropyltoluene	12.23	119	24332	2.564	ug/l	97

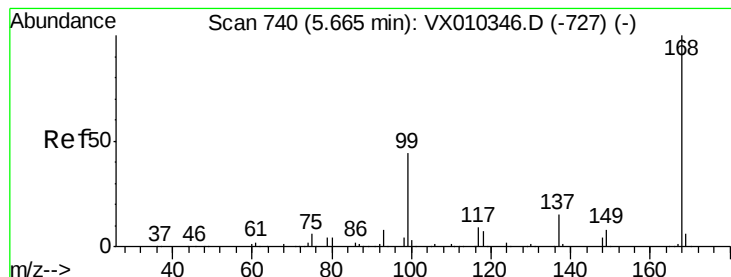
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX010673.D

Acq: 04 Jul 2019 07:28

Instrument :

MSVOA_X

ClientSampleId :

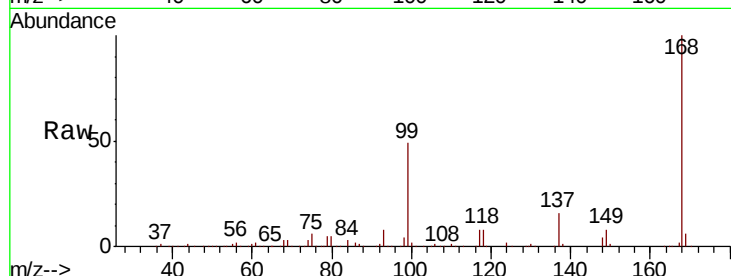
SS037MW218-190702

Tot Ion:168 Resp: 239931

Ion Ratio Lower Upper

168 100

99 48.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

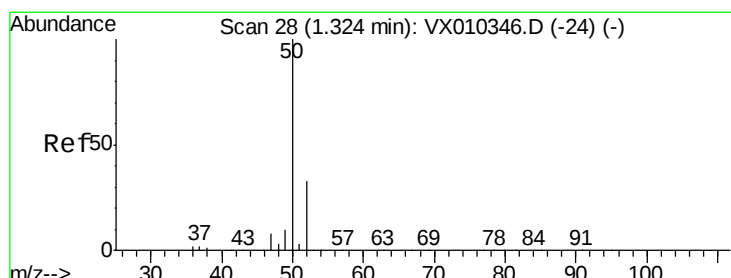
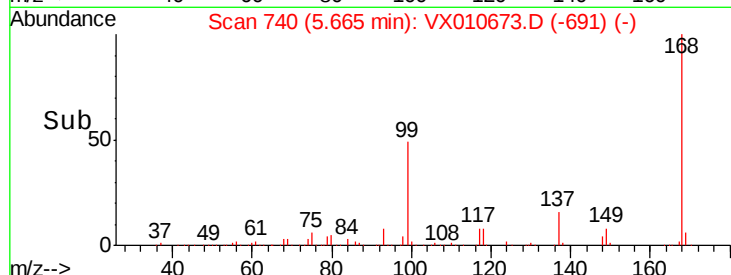
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.675 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010673.D

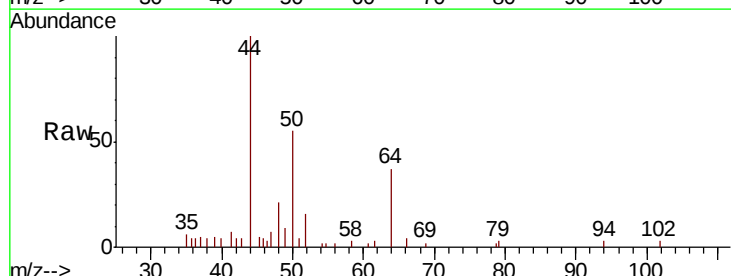
Acq: 04 Jul 2019 07:28

Tgt Ion: 50 Resp: 1312

Ion Ratio Lower Upper

50 100

52 25.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

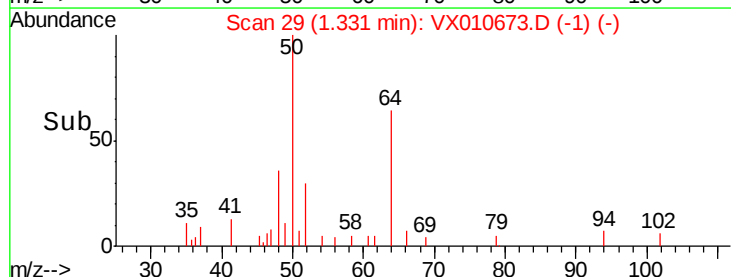
1500

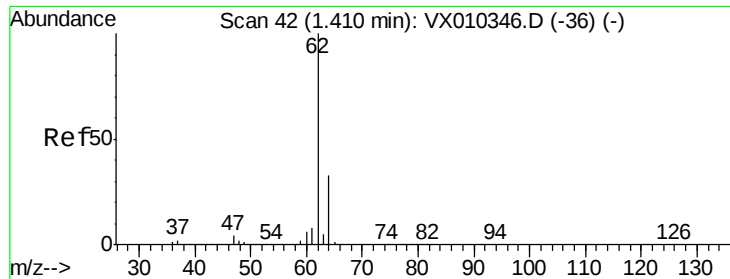
1000

500

0

Time--> 1.30 1.32 1.34 1.36





#4

Vinyl Chloride

Concen: 3.878 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

Instrument :

MSVOA_X

ClientSampleId :

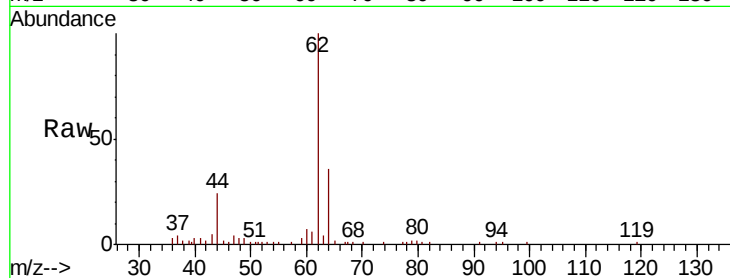
SS037MW218-190702

Tot Ion: 62 Resp: 8251

Ion Ratio Lower Upper

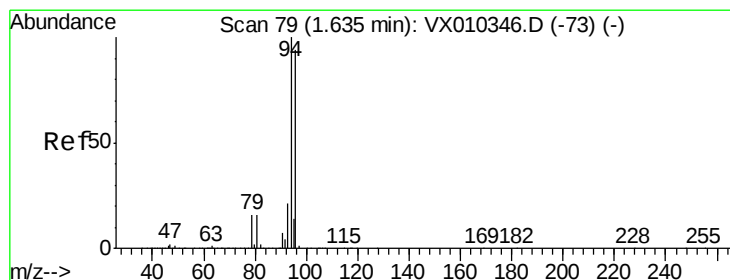
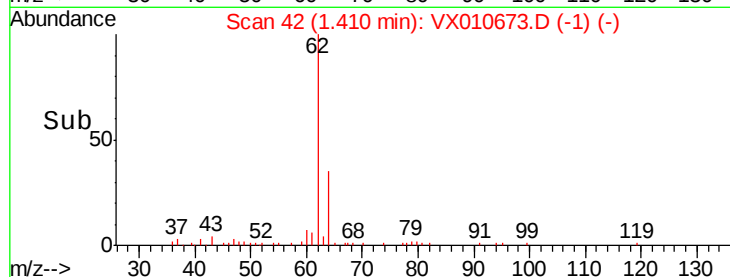
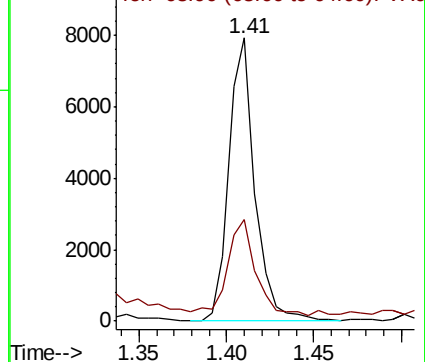
62 100

64 33.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.683 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX010673.D

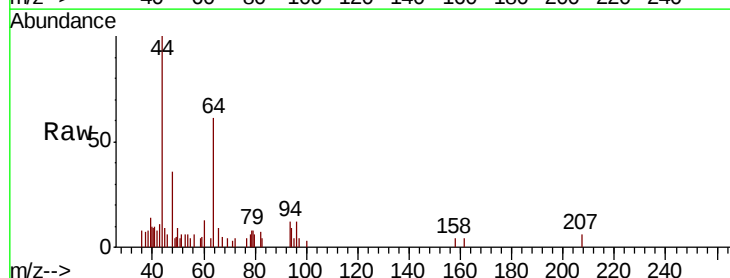
Acq: 04 Jul 2019 07:28

Tgt Ion: 94 Resp: 708

Ion Ratio Lower Upper

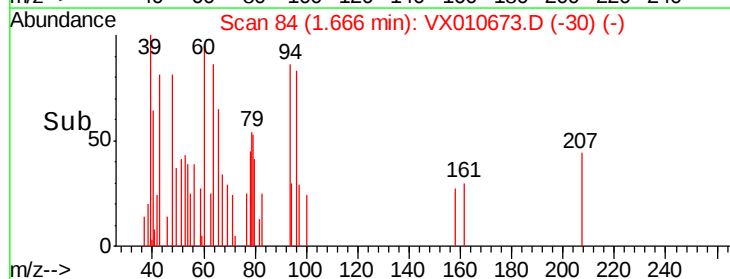
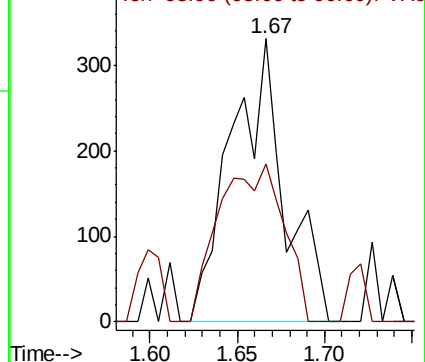
94 100

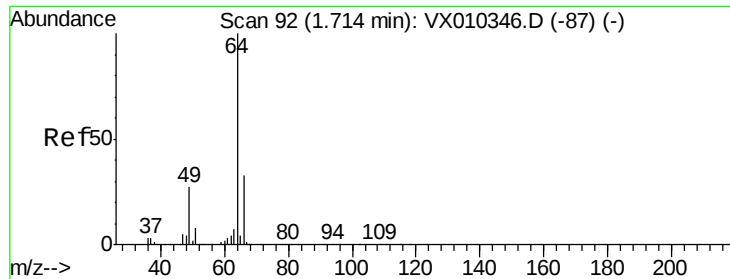
96 55.6 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.207 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

Instrument :

MSVOA_X

ClientSampleId :

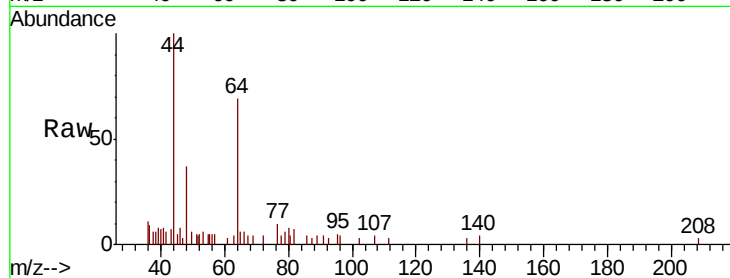
SS037MW218-190702

Tot Ion: 64 Resp: 260

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

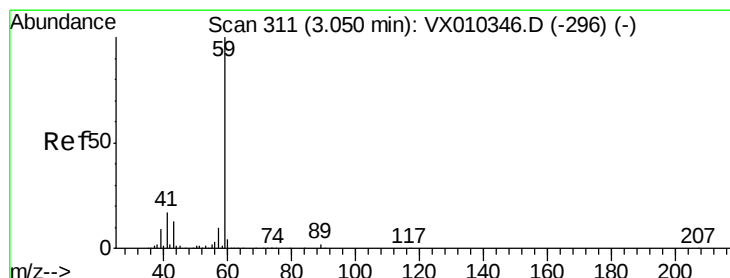
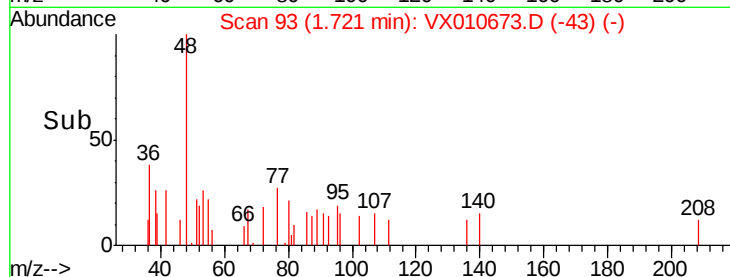
1.72

1000

500

0

Time--> 1.70 1.72 1.74



#11

Tert butyl alcohol

Concen: 2.659 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010673.D

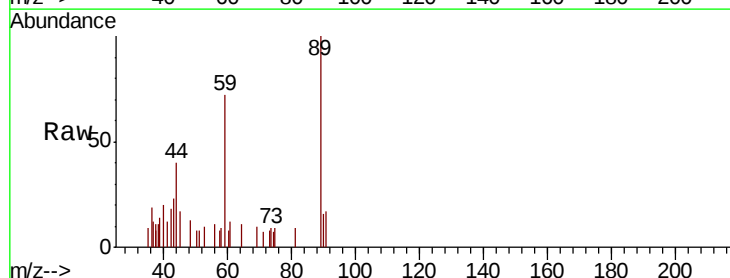
Acq: 04 Jul 2019 07:28

Tgt Ion: 59 Resp: 1565

Ion Ratio Lower Upper

59 100

57 4.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

600

500

400

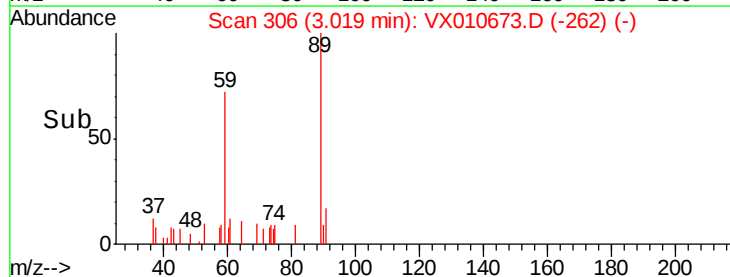
300

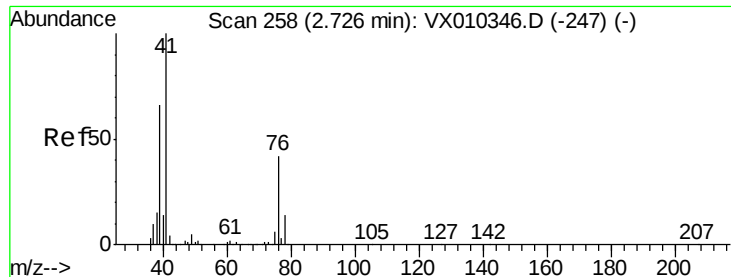
200

100

0

Time--> 2.95 3.00 3.05 3.10





#14

Allvl chloride

Concen: 0.223 ug/l

RT: 2.71 min Scan# 255

Delta R.T. -0.02 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190702

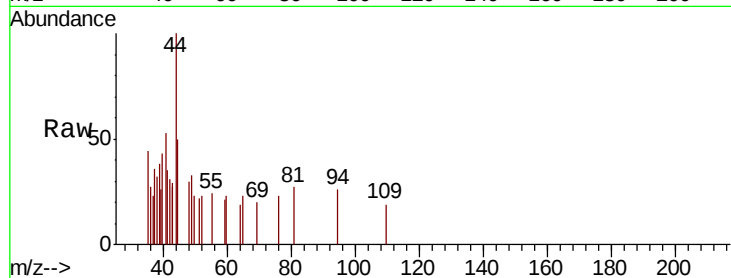
Tot Ion: 41 Resp: 658

Ion Ratio Lower Upper

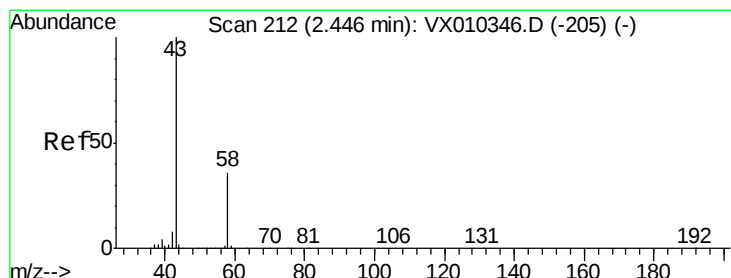
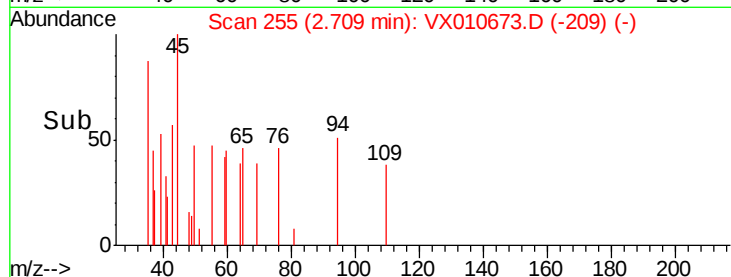
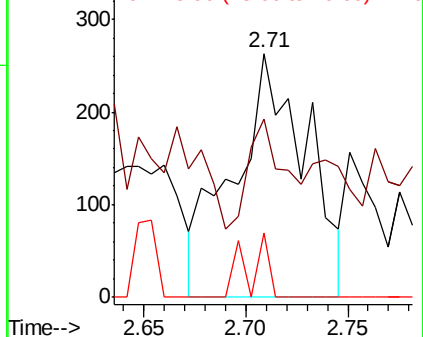
41 100

39 22.0 50.3 75.5#

76 3.3 31.3 46.9#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 4.711 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010673.D

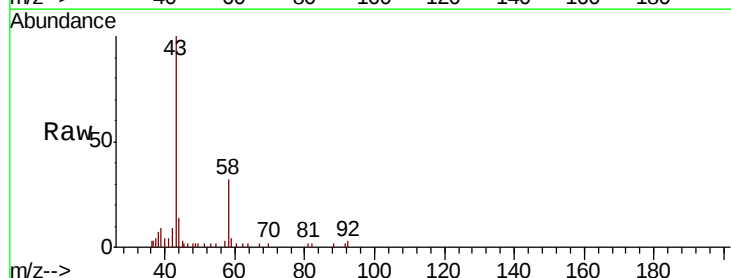
Acq: 04 Jul 2019 07:28

Tgt Ion: 43 Resp: 5311

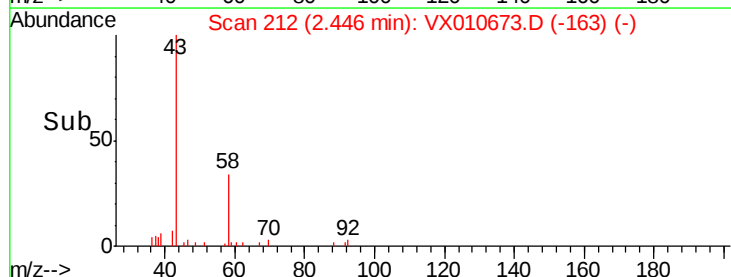
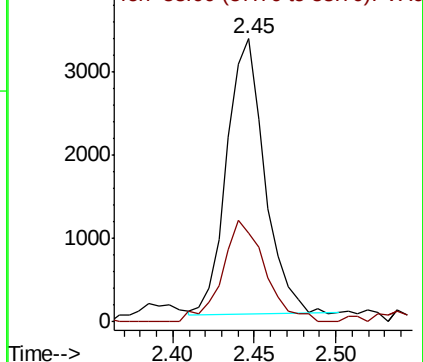
Ion Ratio Lower Upper

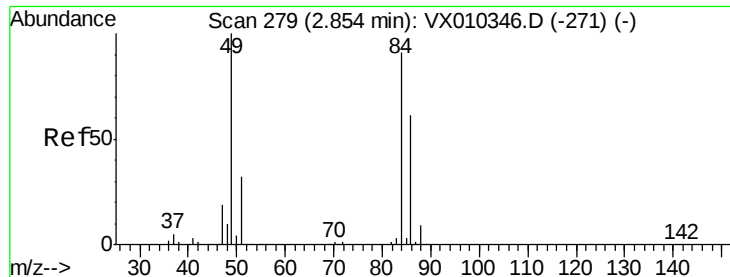
43 100

58 32.7 28.9 43.3



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

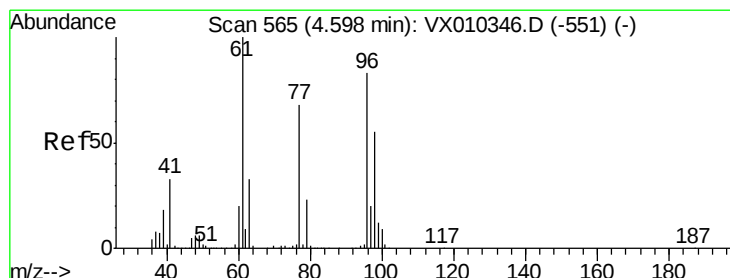
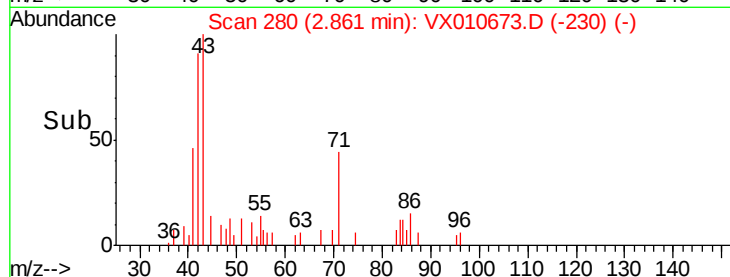
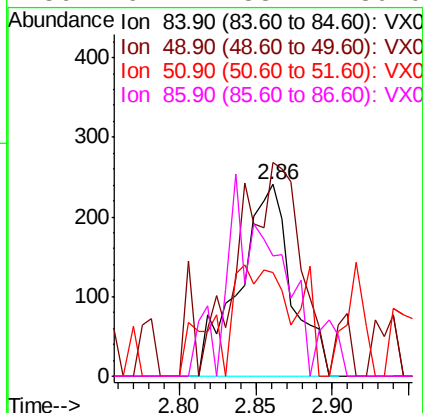
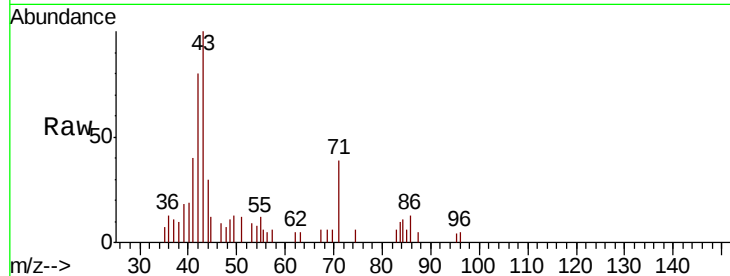




#20
Methvlene Chloride
Concen: 0.249 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

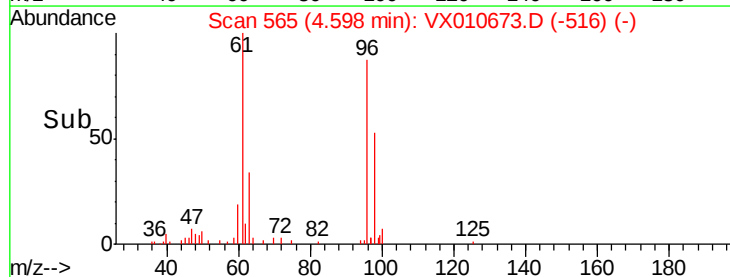
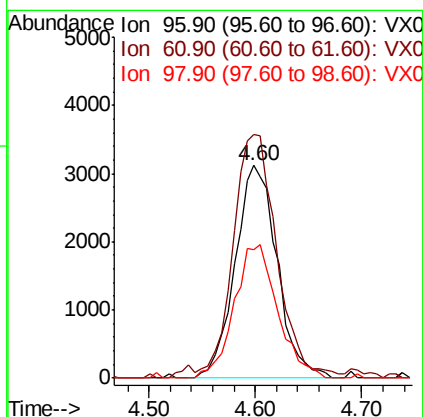
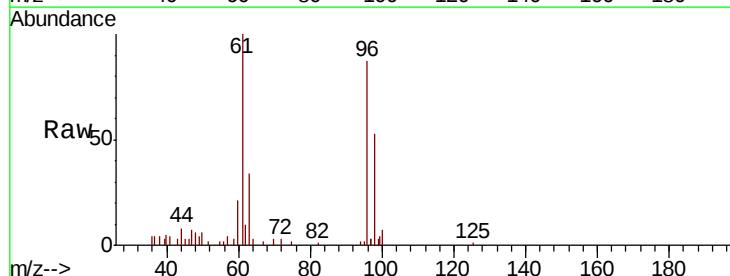
Instrument :
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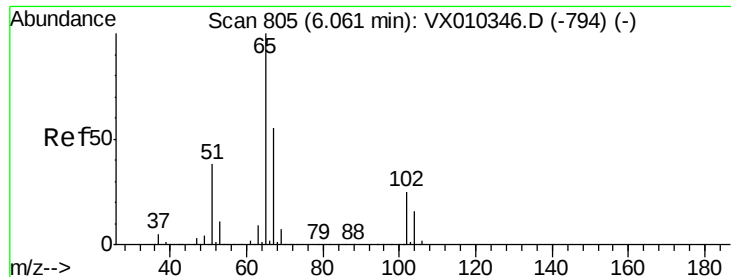
Tot Ion: 84 Resp: 578
Ion Ratio Lower Upper
84 100
49 84.6 87.5 131.3#
51 30.7 27.7 41.5
86 62.7 53.4 80.0



#27
cis-1,2-Dichloroethene
Concen: 3.340 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

Tgt Ion: 96 Resp: 8634
Ion Ratio Lower Upper
96 100
61 119.3 0.0 251.8
98 64.8 0.0 129.4





#33

1,2-Dichloroethane-d4

Concen: 53.379 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

Instrument :

MSVOA_X

ClientSampleId :

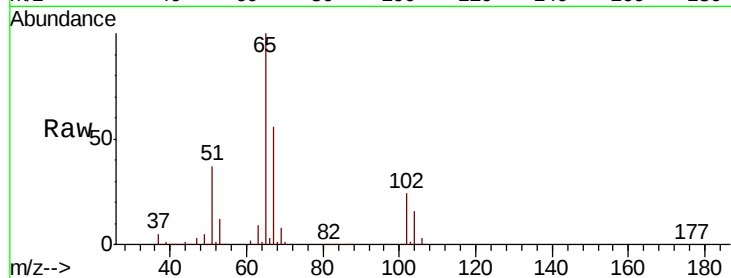
SS037MW218-190702

Tot Ion: 65 Resp: 120080

Ion Ratio Lower Upper

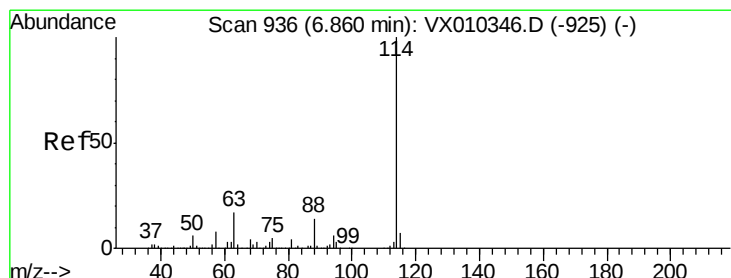
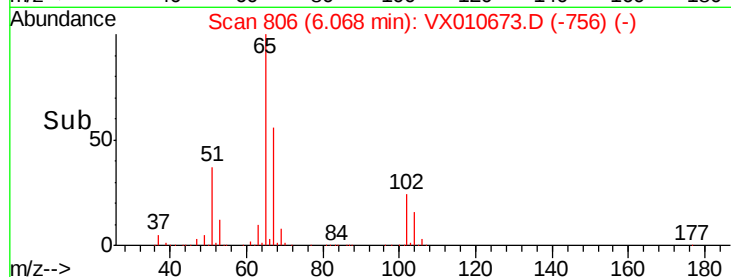
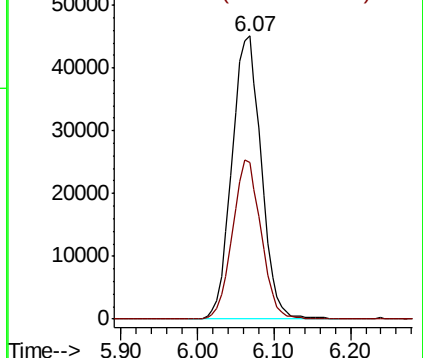
65 100

67 54.6 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

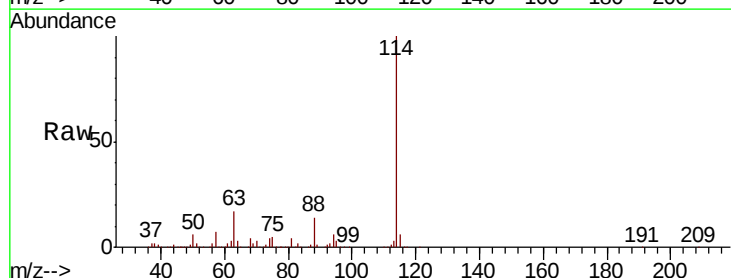
Tgt Ion: 114 Resp: 373725

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

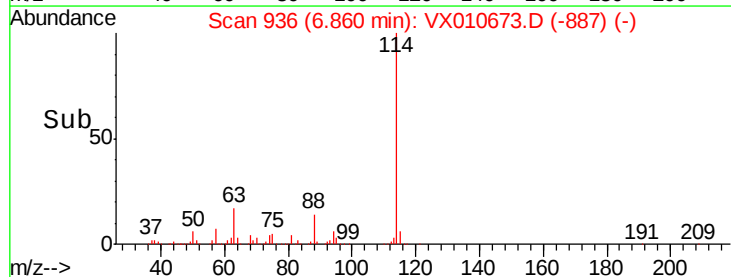
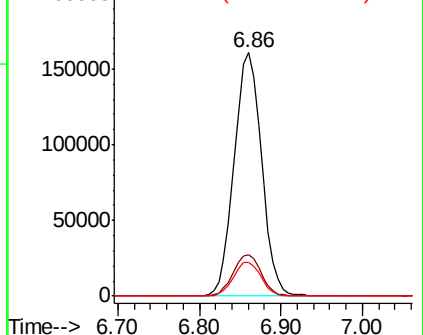
88 13.9 0.0 27.6

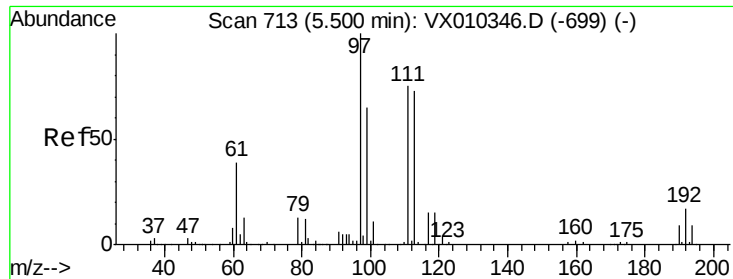


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

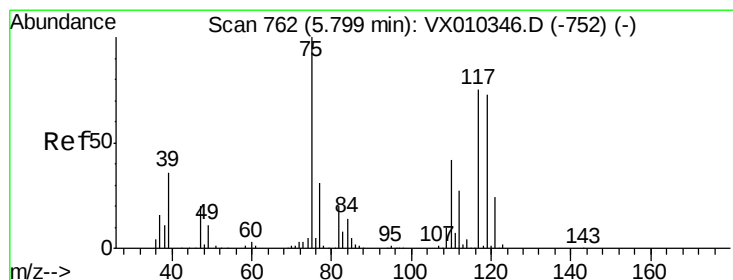
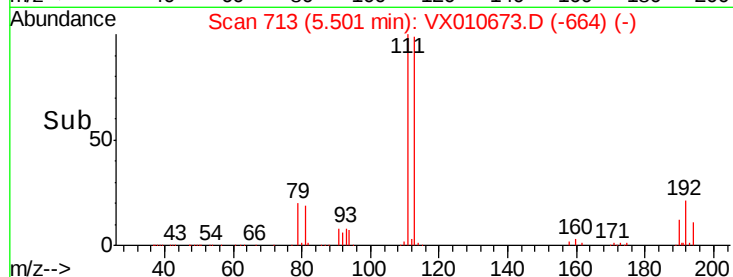
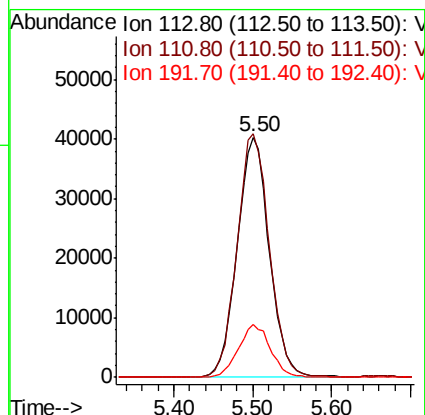
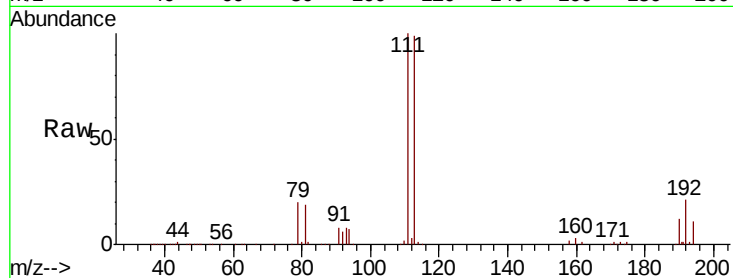




#35
 Dibromofluoromethane
 Concen: 49.793 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010673.D
 Acq: 04 Jul 2019 07:28

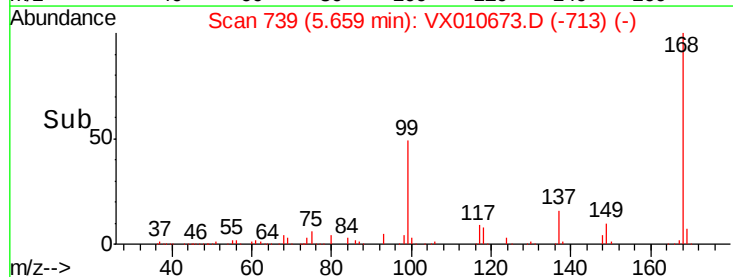
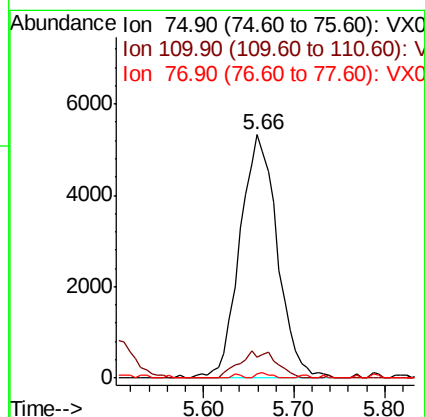
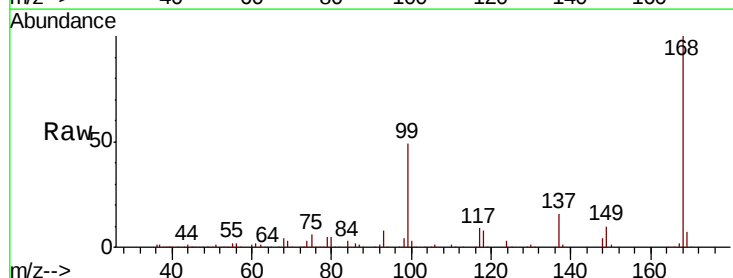
Instrument :
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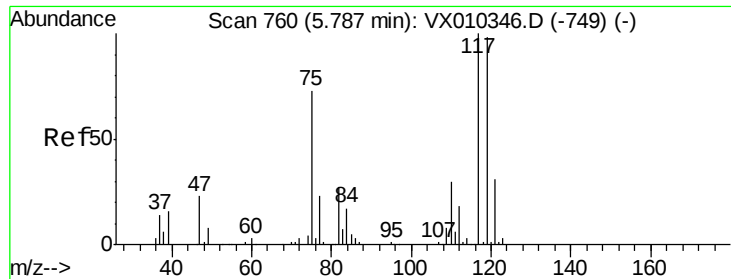
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.2	121.8
192	21.9	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.133 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010673.D
 Acq: 04 Jul 2019 07:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.8	62.2#
77	0.8	25.4	38.0#

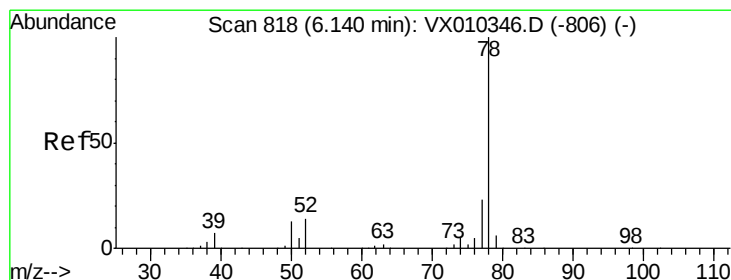
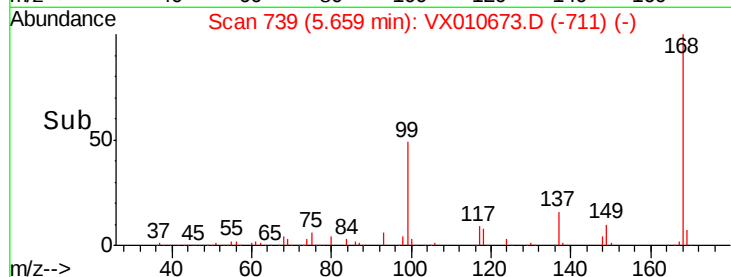
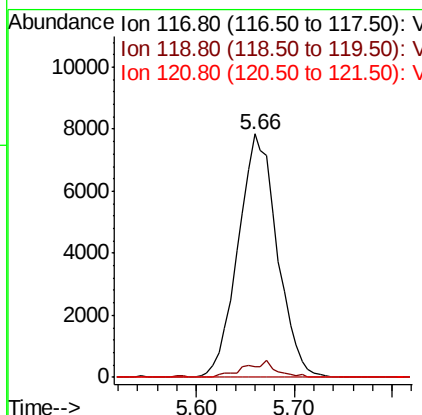
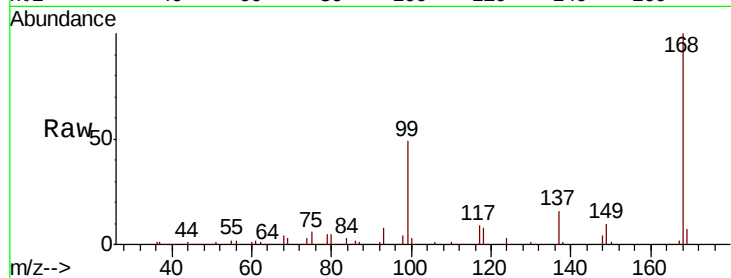




#38
Carbon Tetrachloride
Concen: 6.769 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

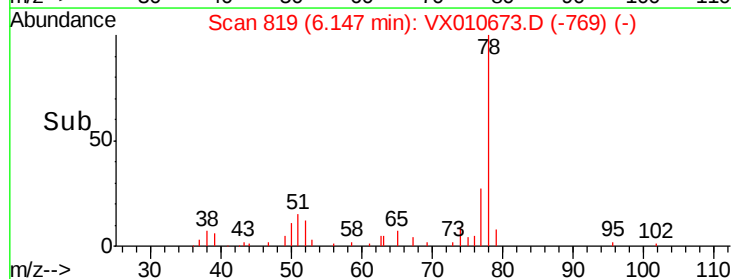
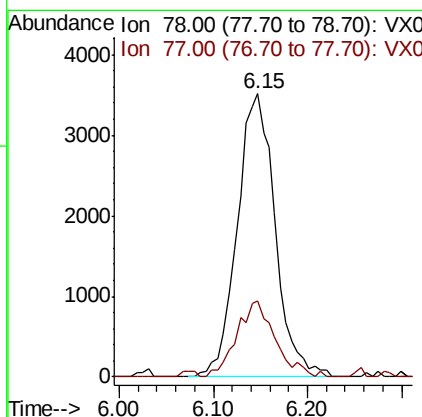
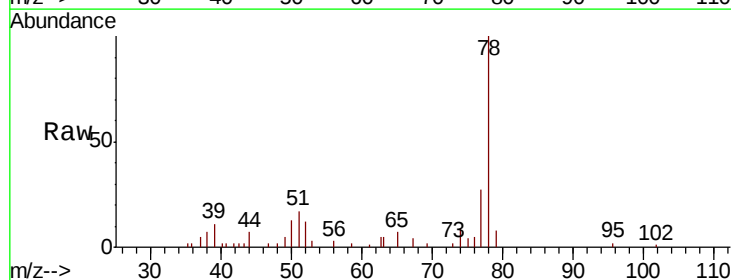
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

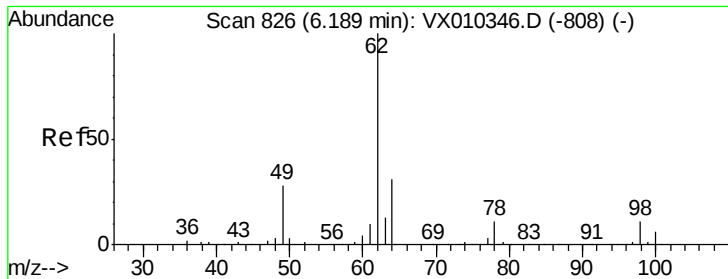
Tot Ion:117 Resp: 21768
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.4#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 1.069 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

Tgt Ion: 78 Resp: 9895
Ion Ratio Lower Upper
78 100
77 26.8 18.6 28.0

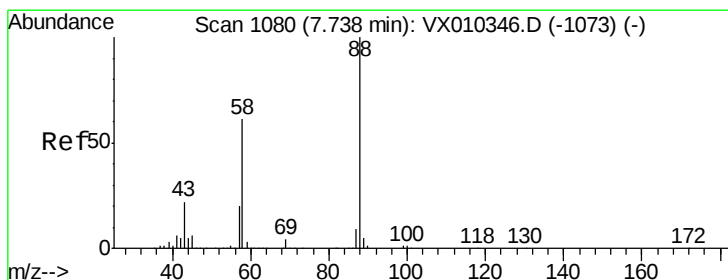
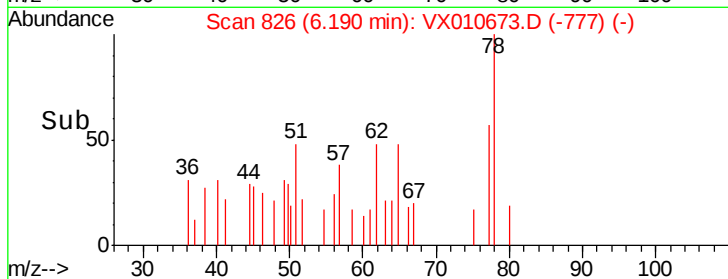
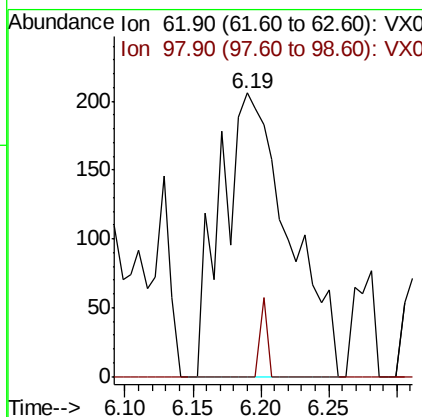
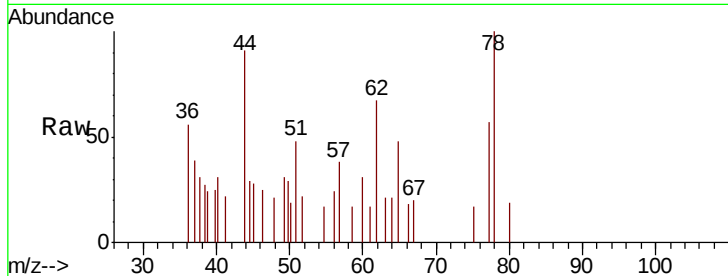




#42
 1,2-Dichloroethane
 Concen: 0.256 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: VX010673.D
 Acq: 04 Jul 2019 07:28

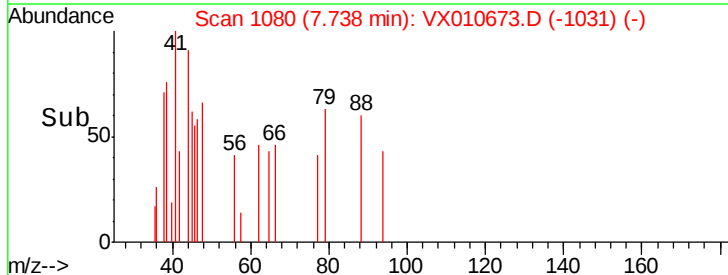
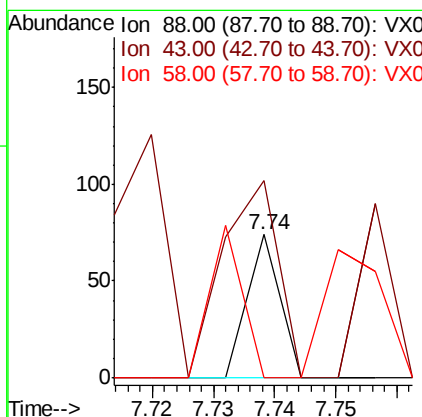
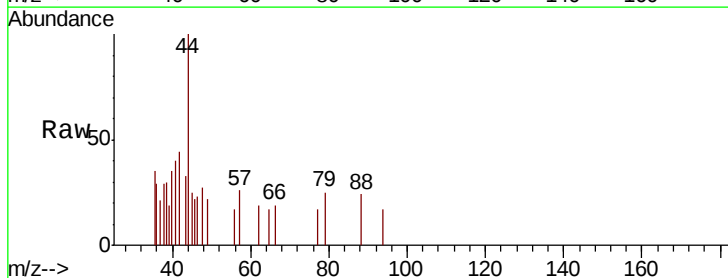
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW218-190702

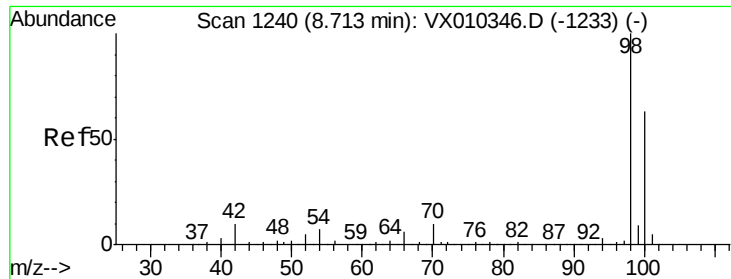
Tot Ion: 62 Resp: 722
 Ion Ratio Lower Upper
 62 100
 98 2.9 0.0 22.2



#49
 1,4-Dioxane
 Concen: 0.399 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010673.D
 Acq: 04 Jul 2019 07:28

Tgt Ion: 88 Resp: 27
 Ion Ratio Lower Upper
 88 100
 43 237.0 20.2 30.2#
 58 107.4 49.5 74.3#

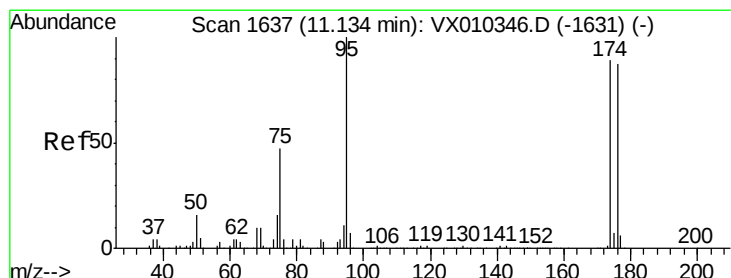
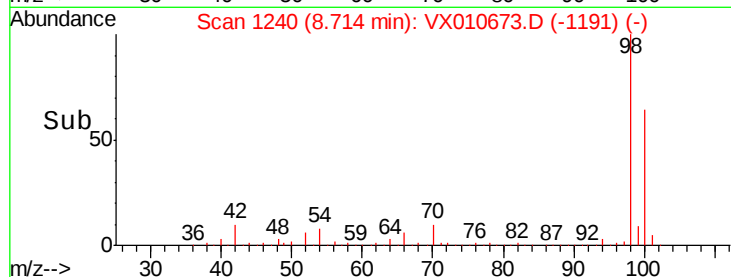
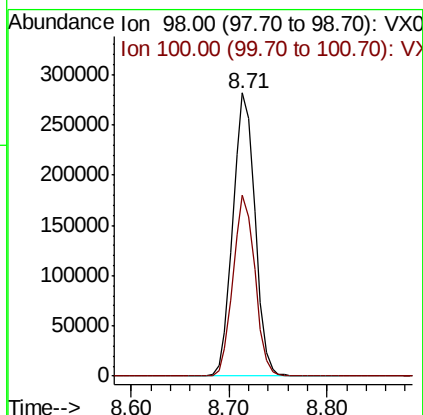
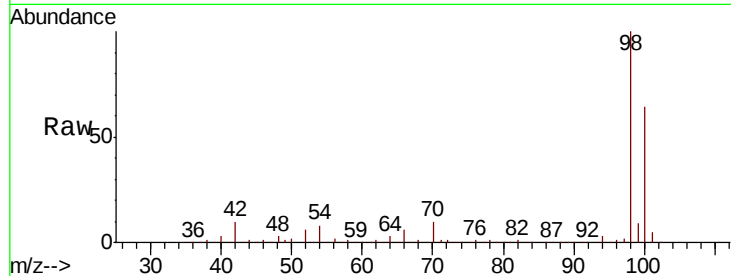




#50
Toluene-d8
Concen: 50.705 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

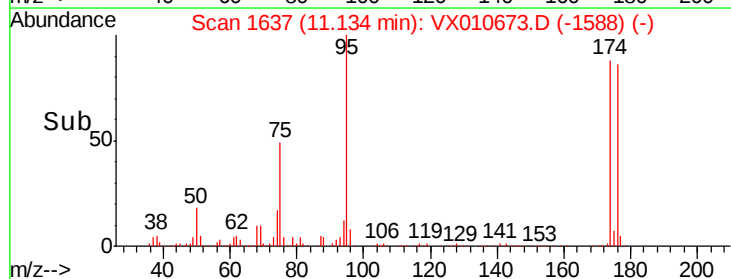
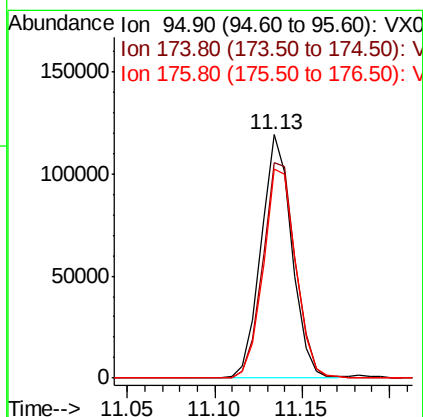
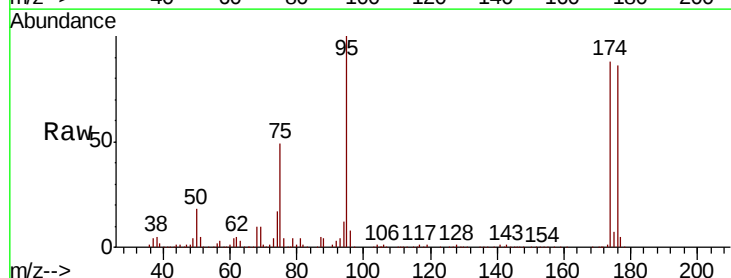
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

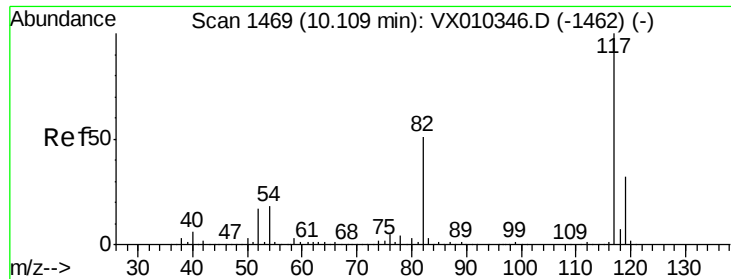
Tot Ion: 98 Resp: 443573
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 46.766 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

Tgt Ion: 95 Resp: 147701
Ion Ratio Lower Upper
95 100
174 94.1 0.0 187.6
176 90.8 0.0 184.0

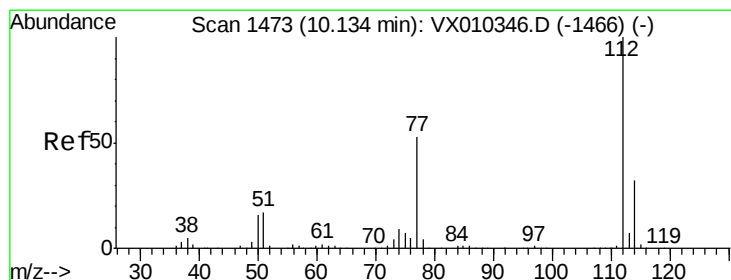
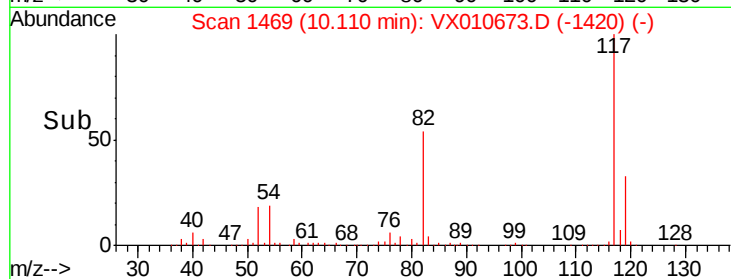
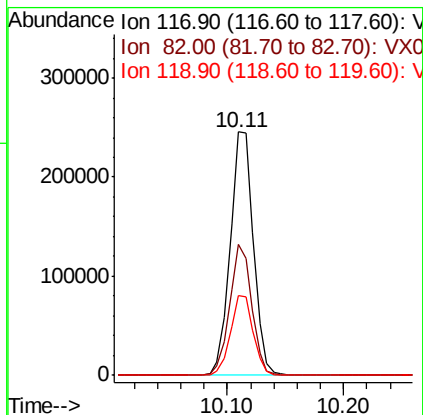
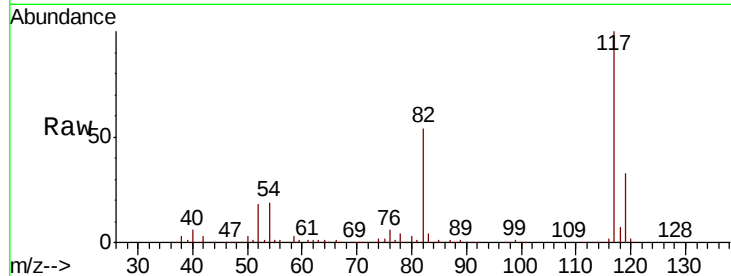




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

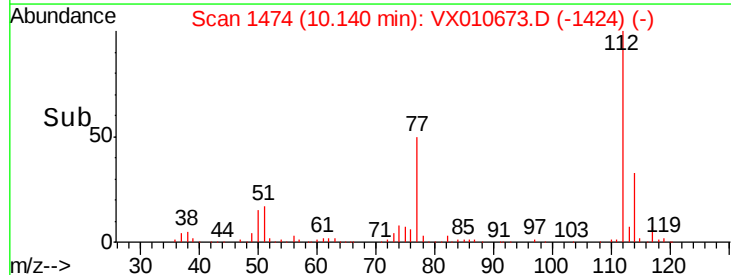
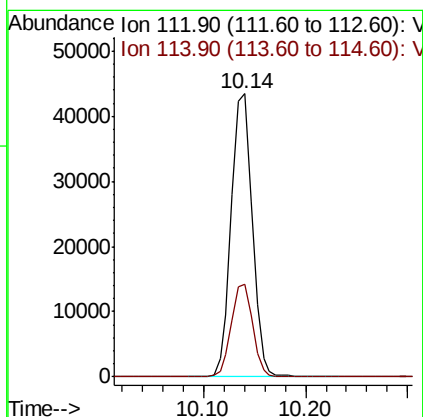
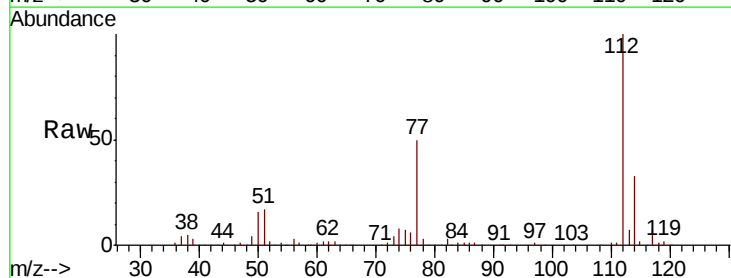
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

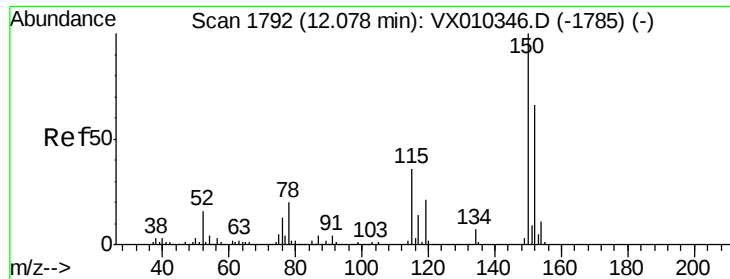
Tot Ion:117 Resp: 340730
Ion Ratio Lower Upper
117 100
82 53.7 41.2 61.8
119 32.8 25.5 38.3



#65
Chlorobenzene
Concen: 8.979 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010673.D
Acq: 04 Jul 2019 07:28

Tgt Ion:112 Resp: 62115
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190702

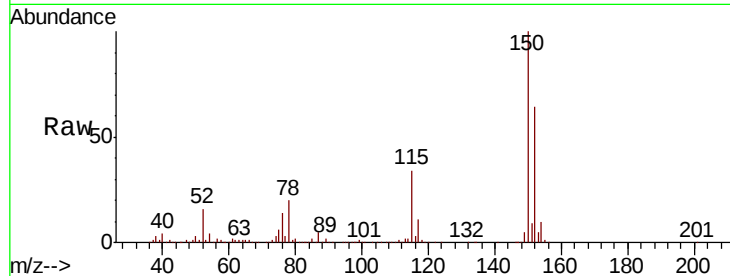
Tot Ion:152 Resp: 155800

Ion Ratio Lower Upper

152 100

115 55.0 38.6 115.7

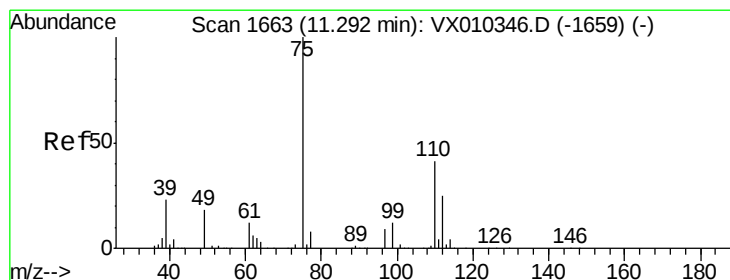
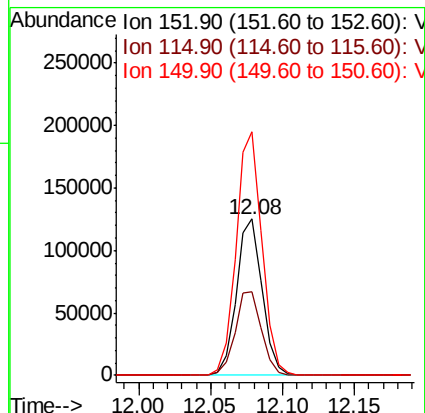
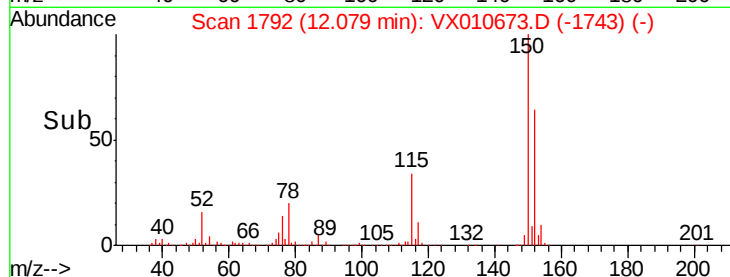
150 156.7 0.0 347.4



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: 25.516 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010673.D

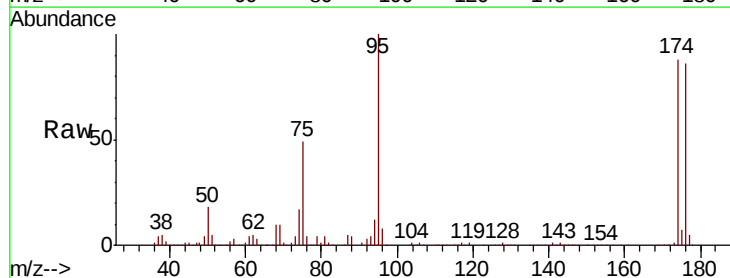
Acq: 04 Jul 2019 07:28

Tgt Ion: 75 Resp: 72441

Ion Ratio Lower Upper

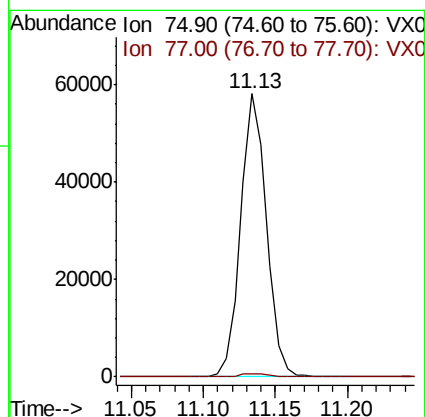
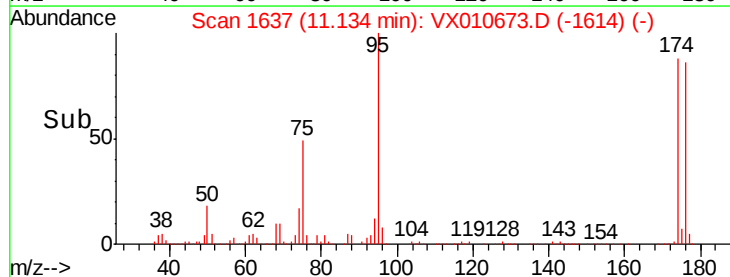
75 100

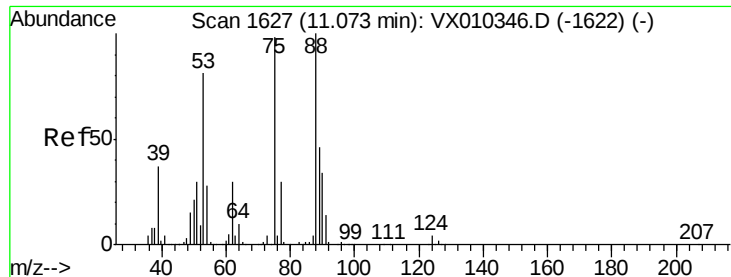
77 1.5 22.6 67.8#



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: 59.525 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190702

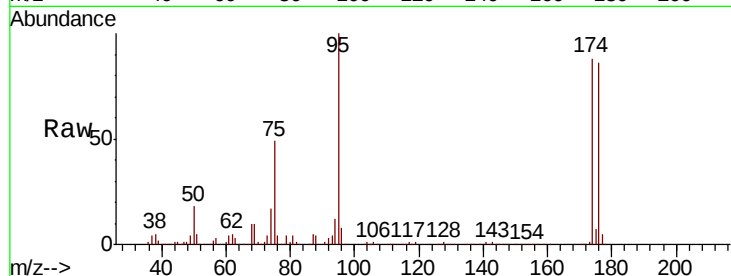
Tot Ion: 75 Resp: 72441

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

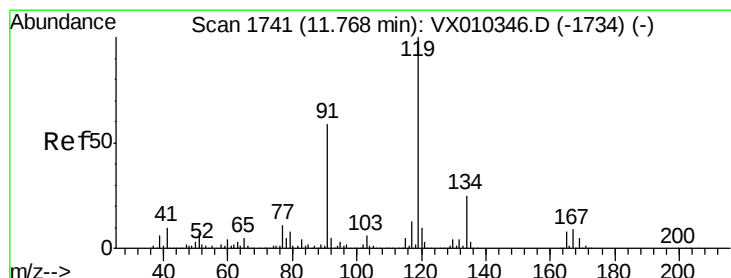
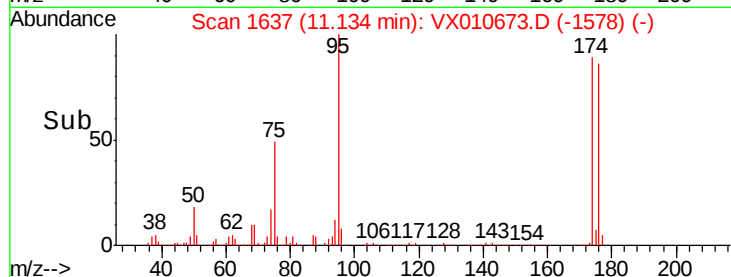
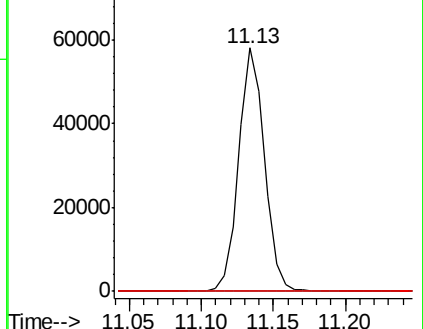
89 0.0 37.8 56.6#



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



#83

tert-Butylbenzene

Concen: 0.433 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010673.D

Acq: 04 Jul 2019 07:28

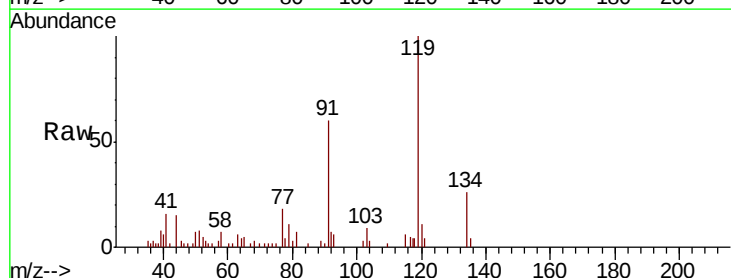
Tgt Ion: 119 Resp: 3781

Ion Ratio Lower Upper

119 100

91 70.7 27.6 82.7

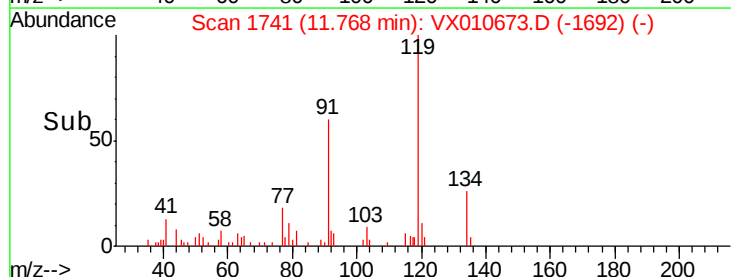
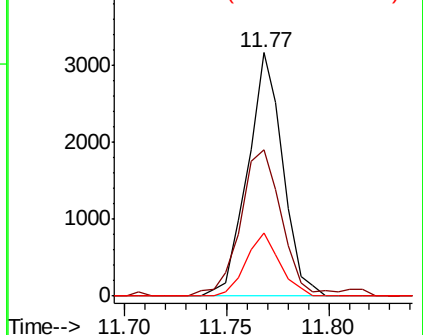
134 24.8 11.8 35.4

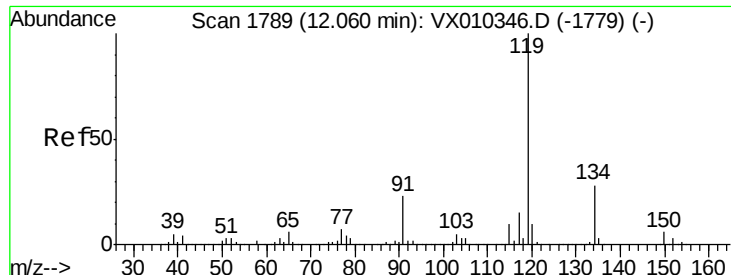


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#86
 p-Isopropyltoluene
 Concen: 2.564 ug/l
 RT: 12.23 min Scan# 1817
 Delta R.T. 0.17 min
 Lab File: VX010673.D
 Acq: 04 Jul 2019 07:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW218-190702

Tot Ion:	119	Resp:	24332
Ion	Ratio	Lower	Upper
119	100		
134	28.1	13.7	41.1
91	24.9	11.3	33.8

