

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009021.D
 Acq On : 17 Apr 2019 17:44
 Operator : JC/SP
 Sample : K2448-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW153-190415

Quant Time: Apr 18 01:38:52 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	248664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	403324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144988	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	165397	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
35) Dibromofluoromethane	5.50	113	120173	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
50) Toluene-d8	8.71	98	494852	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.13	95	164120	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

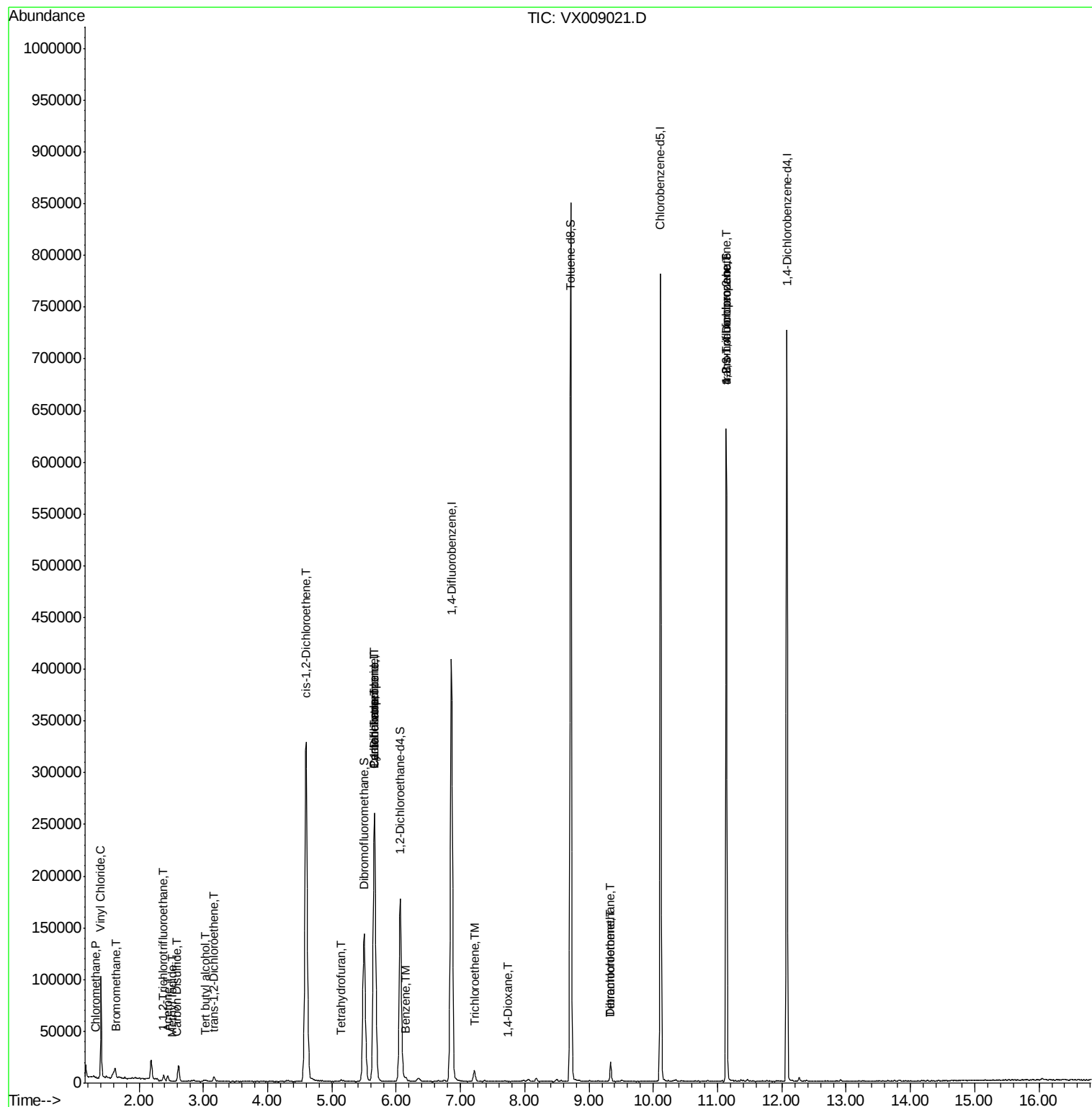
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	867	0.247	ug/l	96
4) Vinyl Chloride	1.40	62	69038	20.173	ug/l	99
5) Bromomethane	1.65	94	334	3.992	ug/l #	38
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1961	0.768	ug/l	90
10) Methyl Iodide	2.52	142	117	4.453	ug/l #	42
11) Tert butyl alcohol	3.04	59	773	0.994	ug/l	98
16) Acetone	2.45	43	6192	3.407	ug/l	97
17) Carbon Disulfide	2.57	76	689	1.338	ug/l #	64
21) trans-1,2-Dichloroethene	3.17	96	1439	0.506	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	204238	63.245	ug/l	91
28) Bromochloromethane	5.02	49	74	Below Cal	#	21
29) Tetrahydrofuran	5.14	42	554	0.285	ug/l #	54
31) Cyclohexane	5.67	56	5723	1.025	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20341	4.876	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24402	6.901	ug/l #	17
40) Benzene	6.15	78	3516	0.286	ug/l #	87
44) Trichloroethene	7.22	130	3799	1.260	ug/l	88
49) 1,4-Dioxane	7.74	88	19	0.238	ug/l #	19
60) Dibromochloromethane	9.34	129	3437	1.227	ug/l #	10
64) Tetrachloroethene	9.34	164	3668	1.405	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	83721	23.648	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	83721	60.711	ug/l #	11

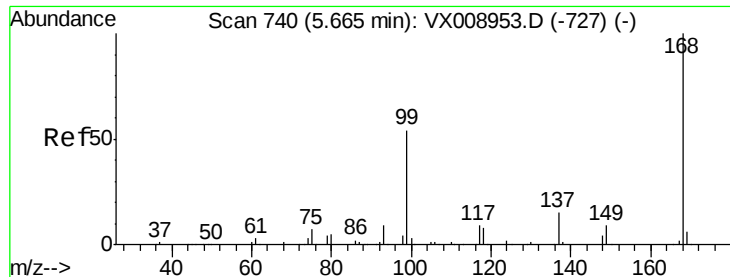
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009021.D
Acq On : 17 Apr 2019 17:44
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Sample : K2448-04
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Quant Time: Apr 18 01:38:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

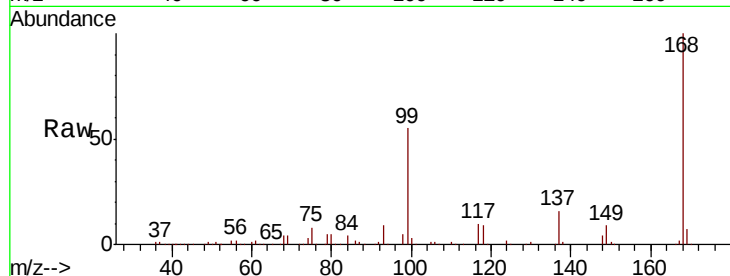
ST006RW153-190415

Tot Ion:168 Resp: 248664

Ion Ratio Lower Upper

168 100

99 54.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

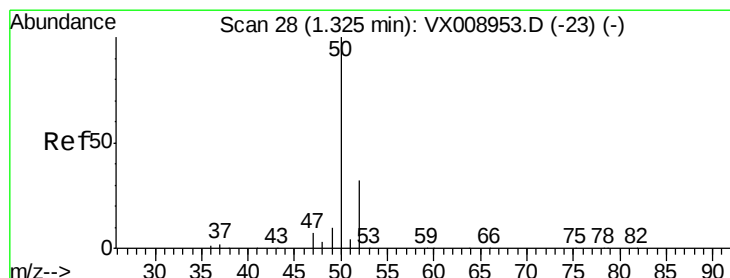
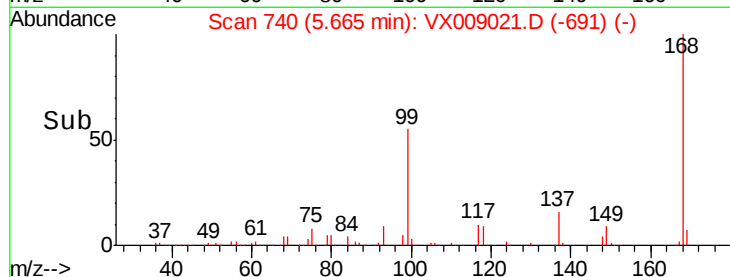
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009021.D

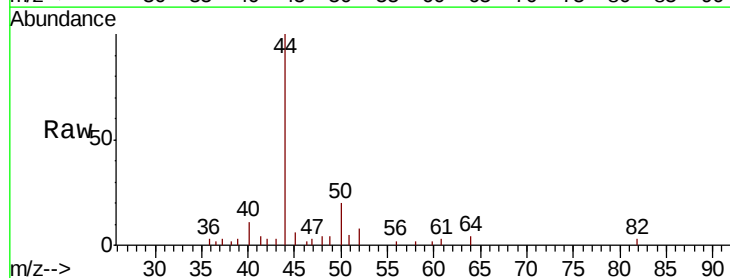
Acq: 17 Apr 2019 17:44

Tgt Ion: 50 Resp: 867

Ion Ratio Lower Upper

50 100

52 29.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

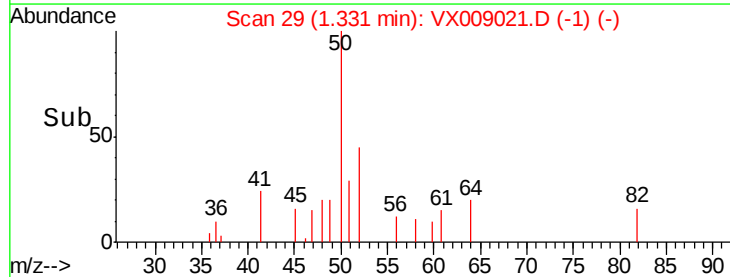
400

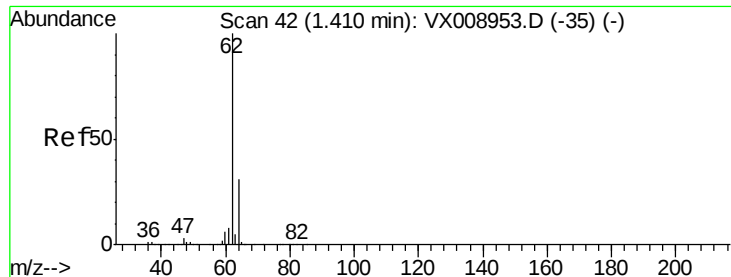
200

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 20.173 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

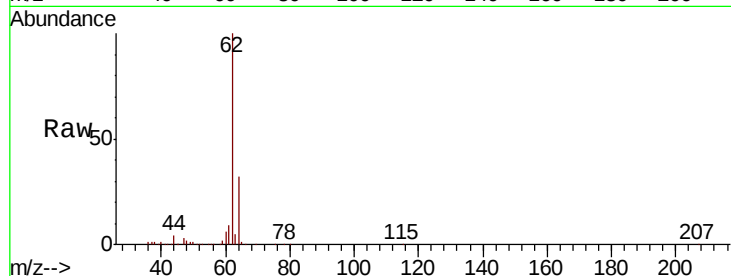
ST006RW153-190415

Tot Ion: 62 Resp: 69038

Ion Ratio Lower Upper

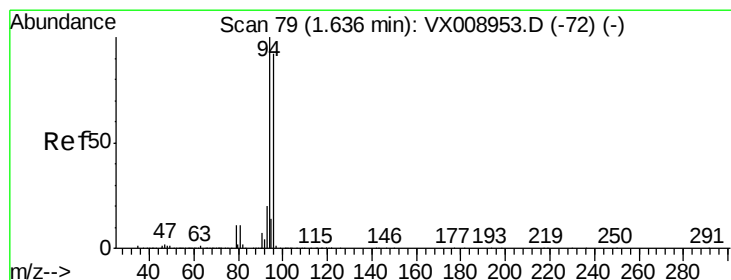
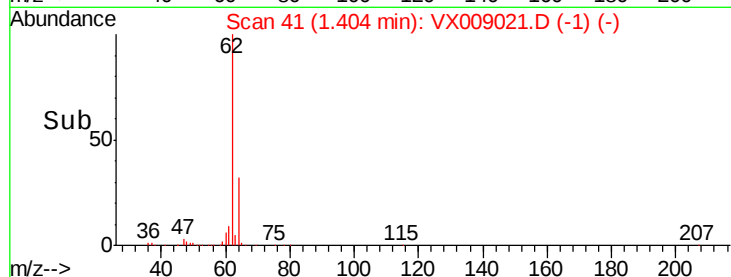
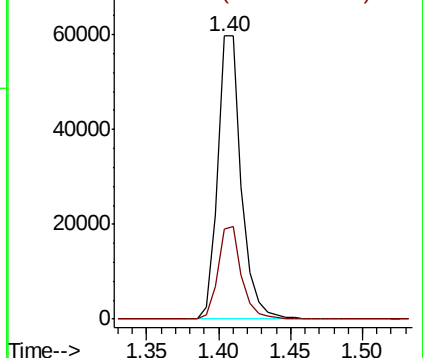
62 100

64 31.9 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 3.992 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009021.D

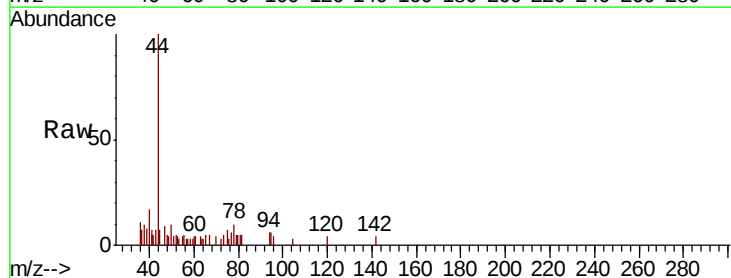
Acq: 17 Apr 2019 17:44

Tgt Ion: 94 Resp: 334

Ion Ratio Lower Upper

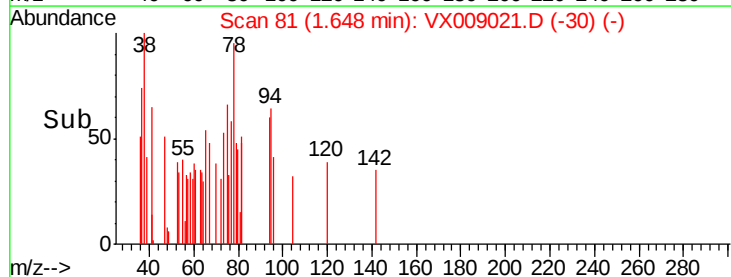
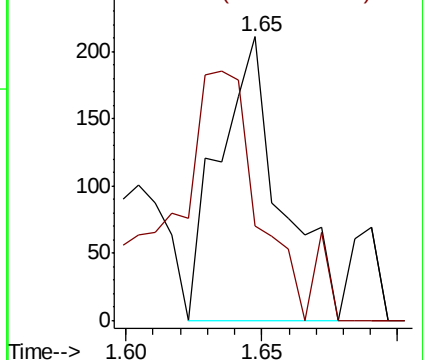
94 100

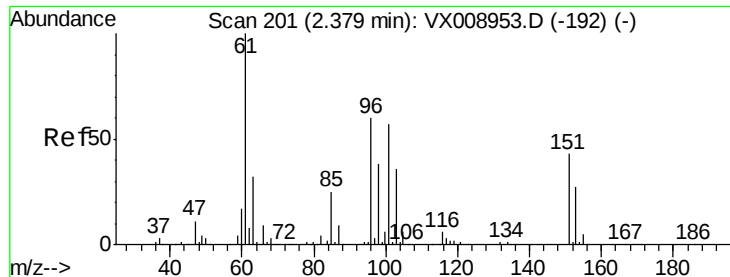
96 33.2 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.768 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

ST006RW153-190415

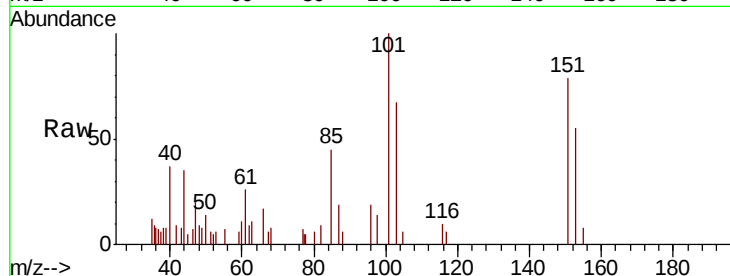
Tot Ion:101 Resp: 1961

Ion Ratio Lower Upper

101 100

85 47.8 35.7 53.5

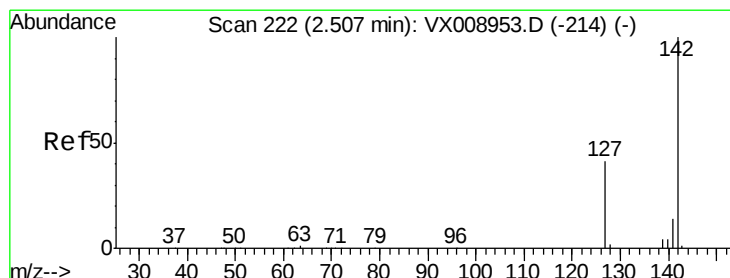
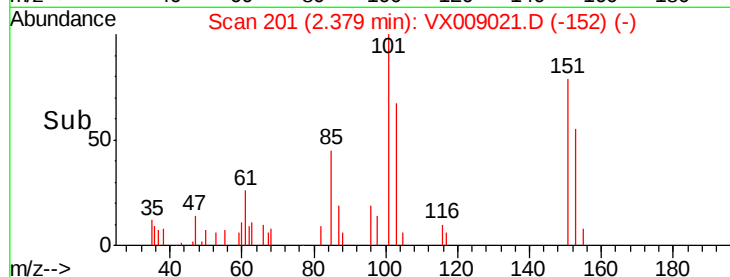
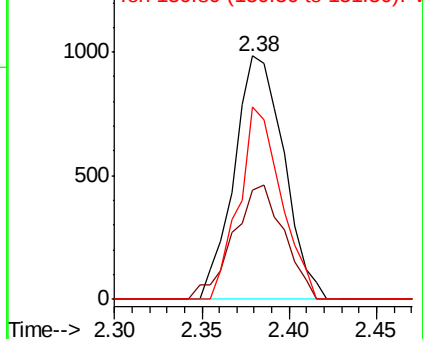
151 66.6 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.453 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

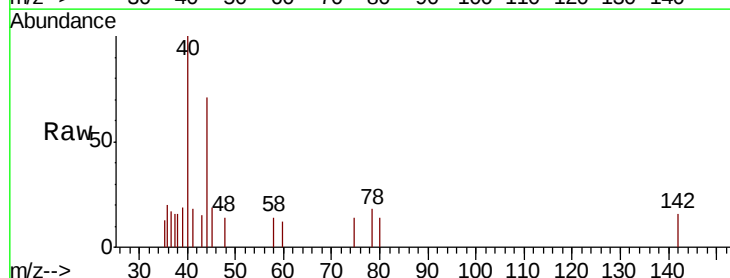
Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

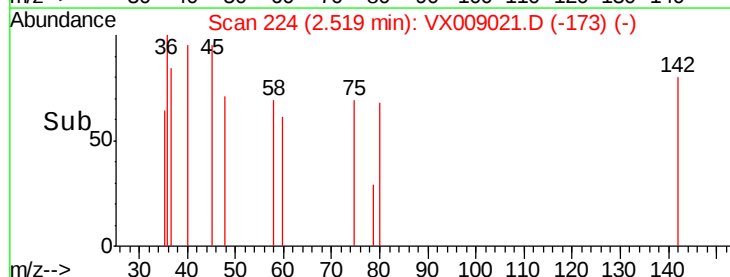
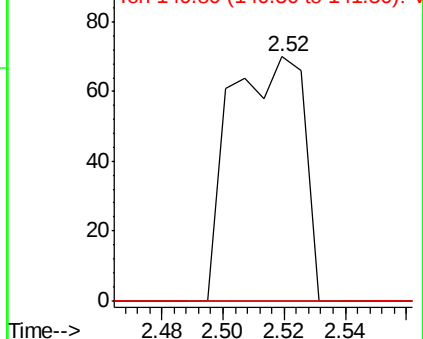
141 0.0 11.4 17.2#

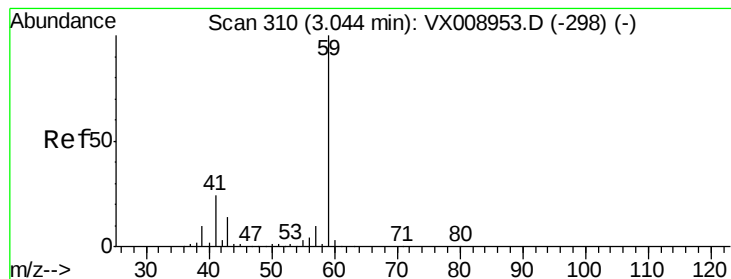


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



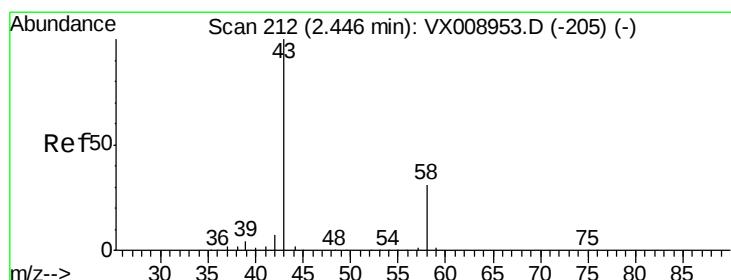
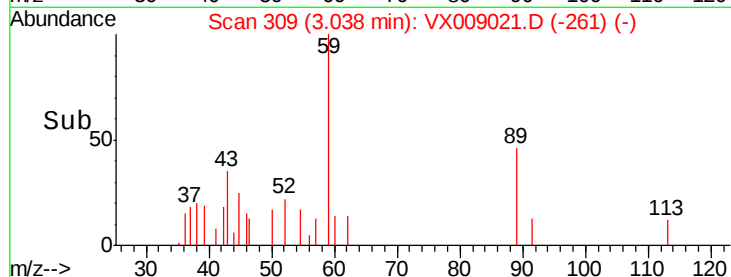
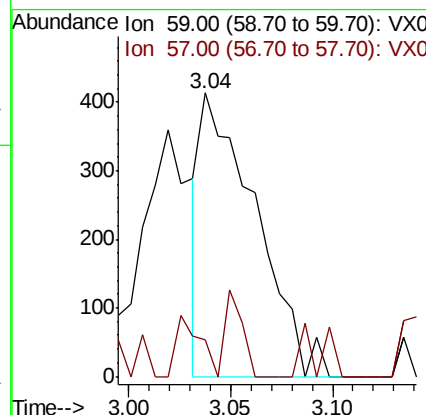
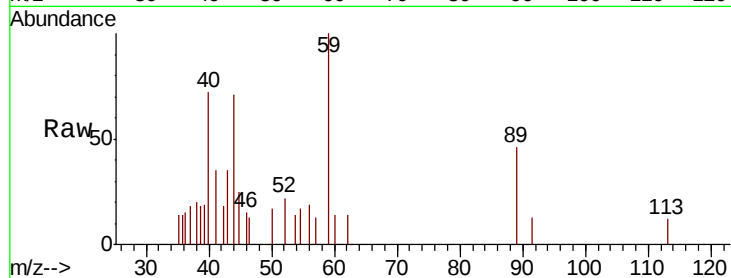


#11

Tert butyl alcohol
 Concen: 0.994 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009021.D
 Acq: 17 Apr 2019 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006RW153-190415

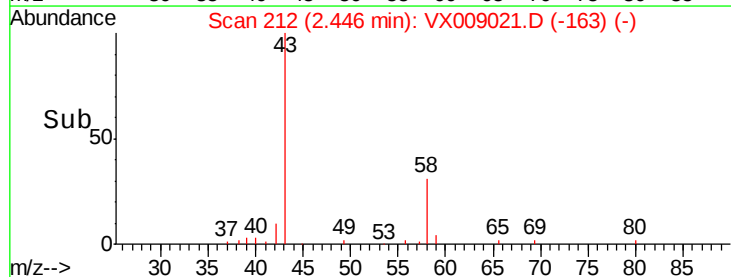
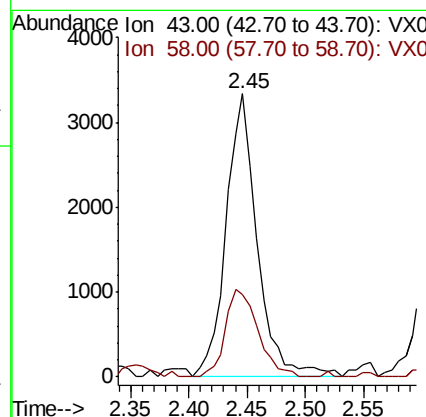
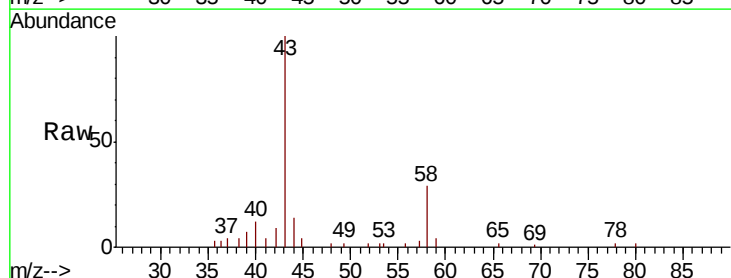
Tot Ion: 59 Resp: 773
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.4 12.6

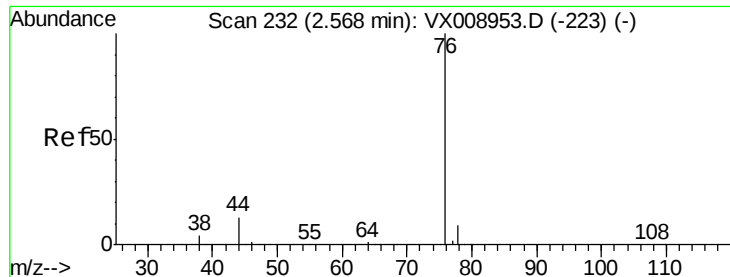


#16

Acetone
 Concen: 3.407 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009021.D
 Acq: 17 Apr 2019 17:44

Tgt Ion: 43 Resp: 6192
 Ion Ratio Lower Upper
 43 100
 58 29.3 24.8 37.2





#17

Carbon Disulfide

Concen: 1.338 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

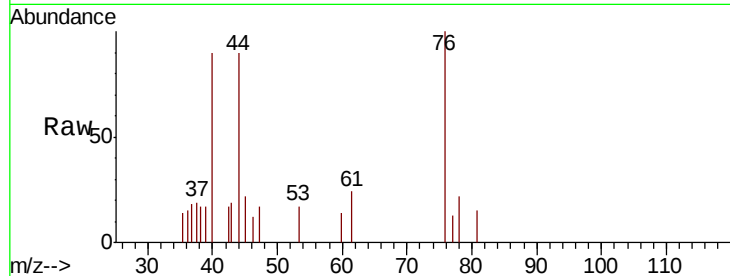
ST006RW153-190415

Tot Ion: 76 Resp: 689

Ion Ratio Lower Upper

76 100

78 22.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

300

200

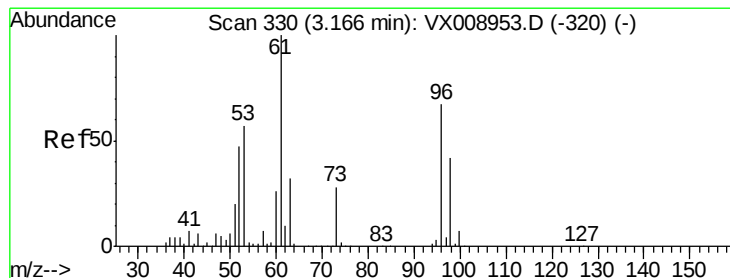
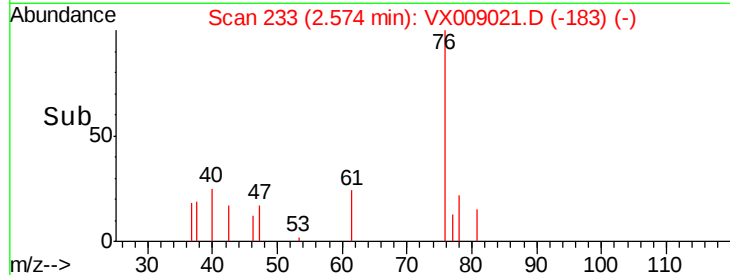
100

0

2.55

2.60

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.506 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

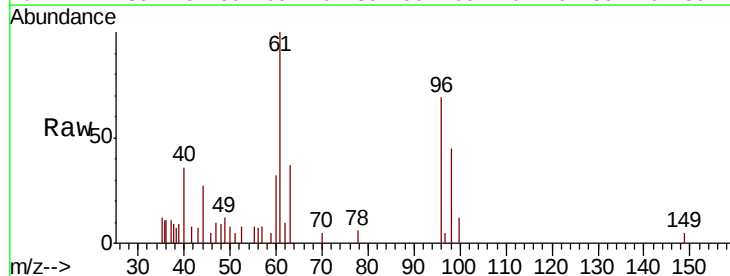
Tgt Ion: 96 Resp: 1439

Ion Ratio Lower Upper

96 100

61 145.3 120.3 180.5

98 65.6 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

1500

1000

500

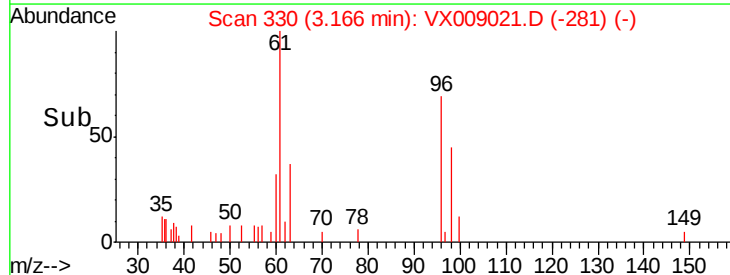
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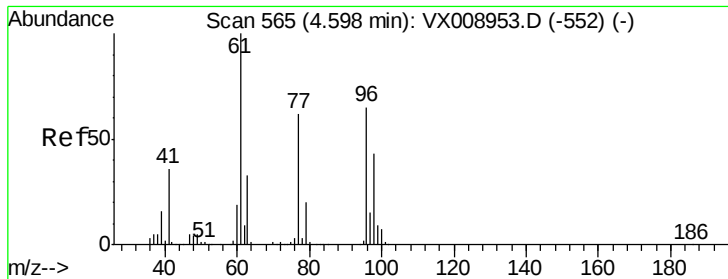
3.10

3.15

3.20

Time-->



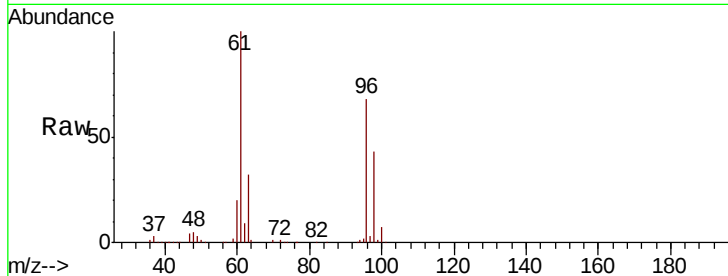


#27

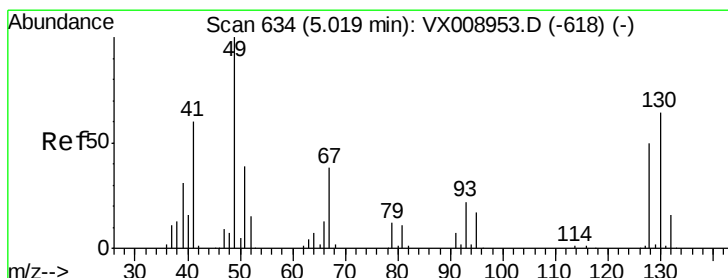
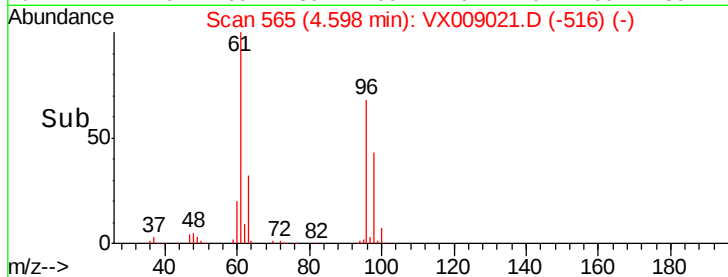
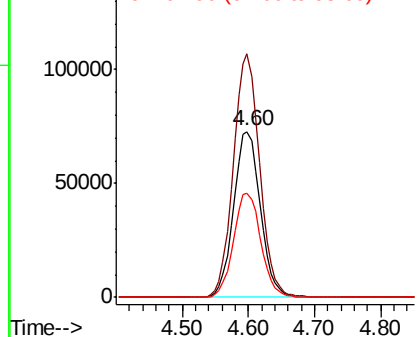
cis-1,2-Dichloroethene
Concen: 63.245 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :
ST006RW153-190415

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	322.0
98	63.9	0.0	128.4



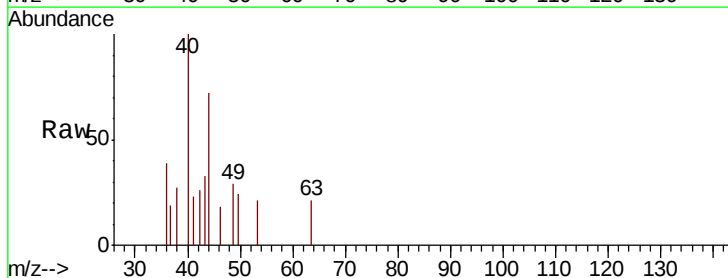
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



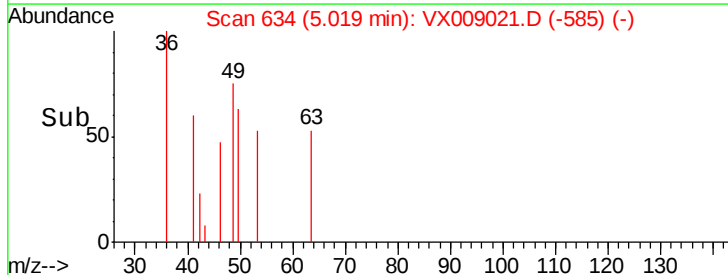
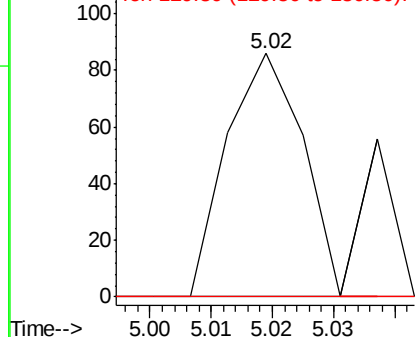
#28

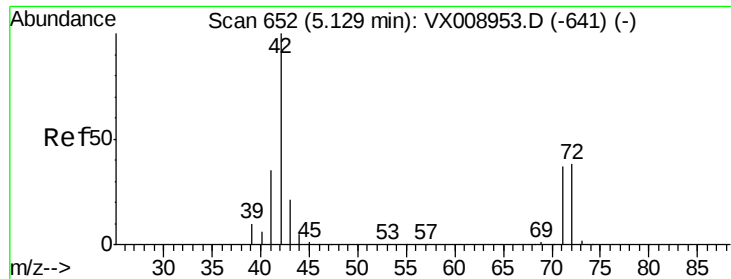
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Tgt 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

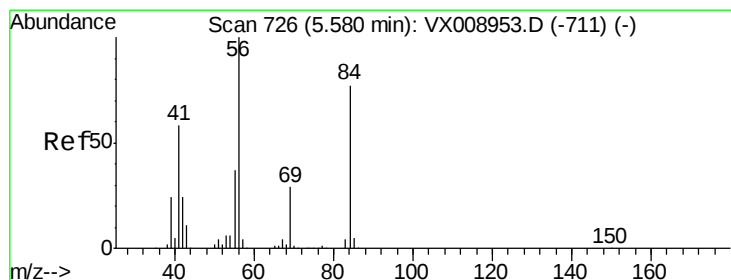
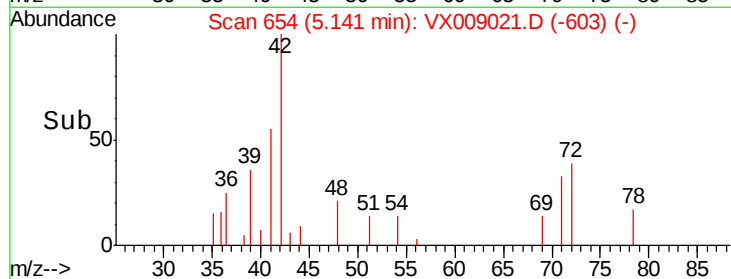
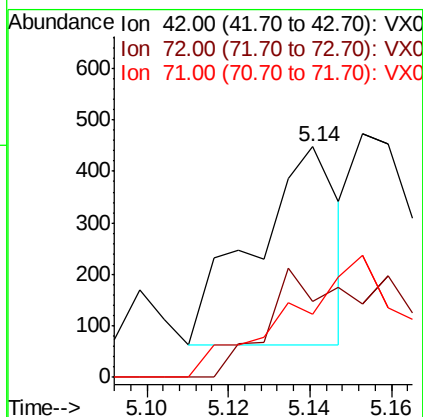
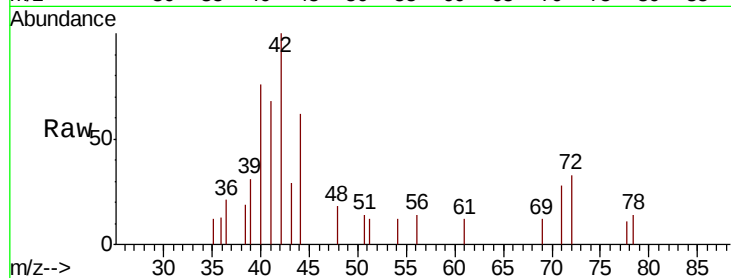




#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

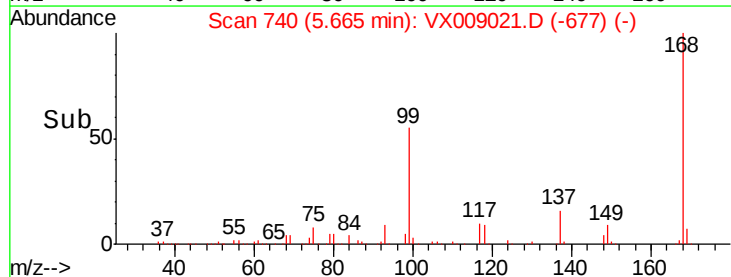
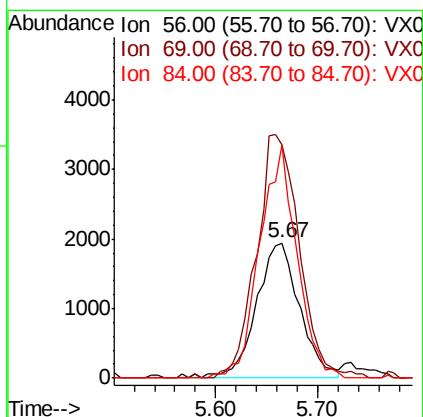
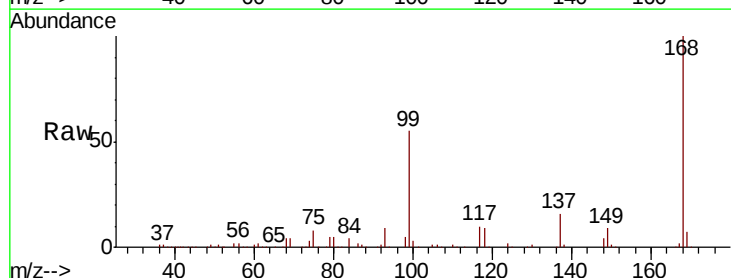
Instrument :
MSVOA_X
ClientSampleId :
ST006RW153-190415

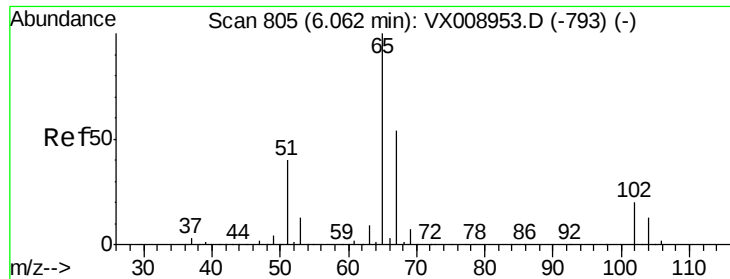
Tot Ion: 42 Resp: 554
Ion Ratio Lower Upper
42 100
72 53.2 30.6 45.8#
71 76.2 28.8 43.2#



#31
Cyclohexane
Concen: 1.025 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Tgt Ion: 56 Resp: 5723
Ion Ratio Lower Upper
56 100
69 172.5 23.3 34.9#
84 172.2 61.7 92.5#





#33

1,2-Dichloroethane-d4

Concen: 47.197 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

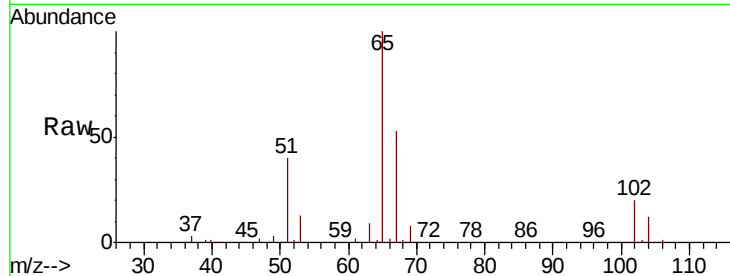
ST006RW153-190415

Tot Ion: 65 Resp: 165397

Ion Ratio Lower Upper

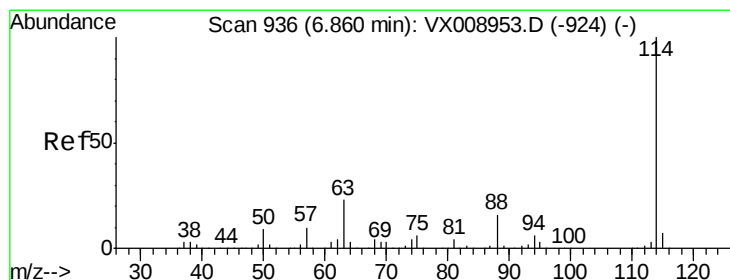
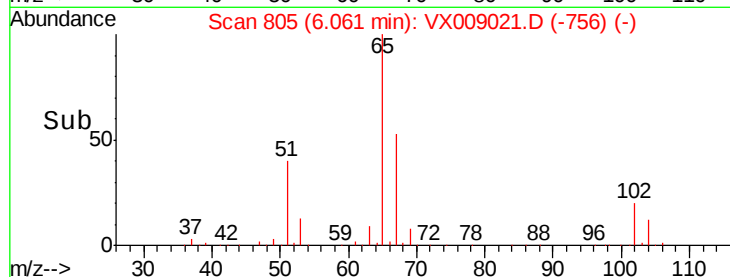
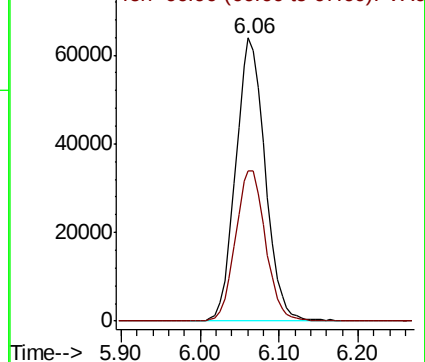
65 100

67 54.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

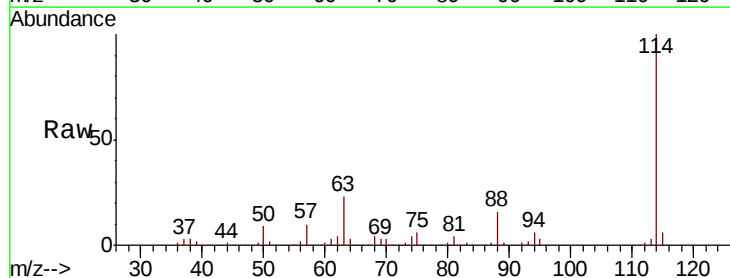
Tgt Ion: 114 Resp: 403324

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.0

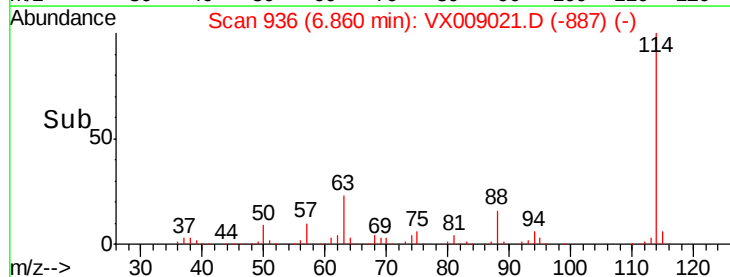
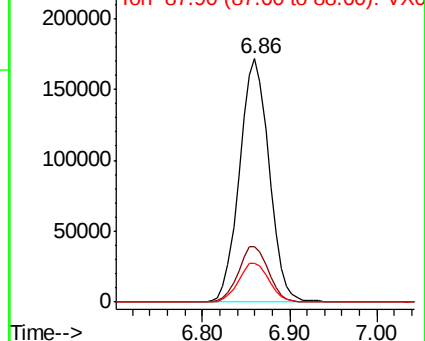
88 16.0 0.0 32.6

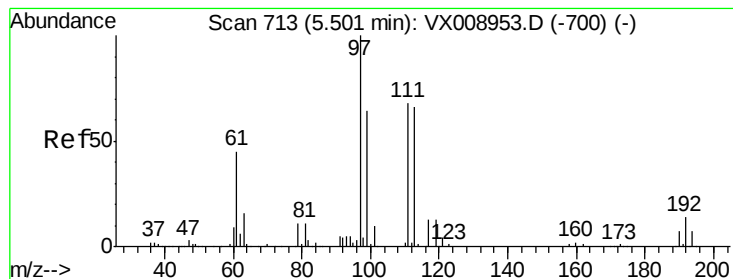


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.427 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

ST006RW153-190415

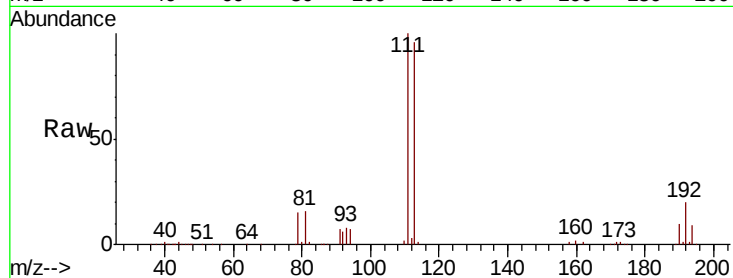
Tot Ion:113 Resp: 120173

Ion Ratio Lower Upper

113 100

111 104.5 82.9 124.3

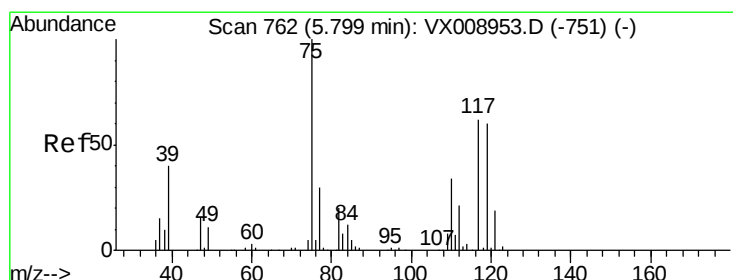
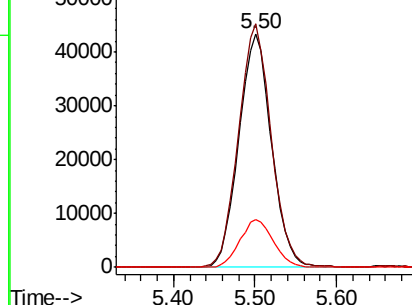
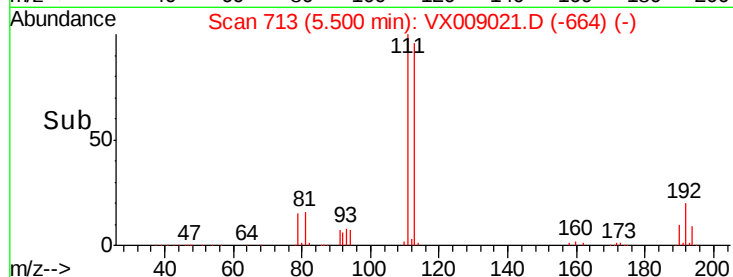
192 21.3 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

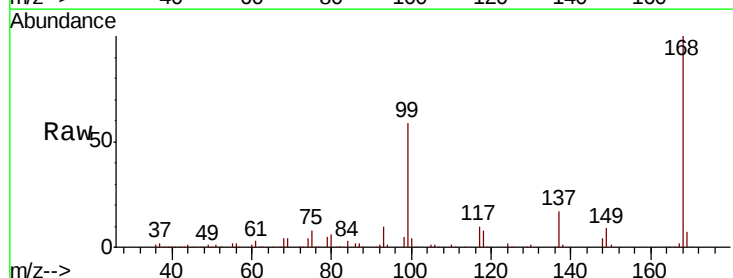
Tgt Ion: 75 Resp: 20341

Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.7#

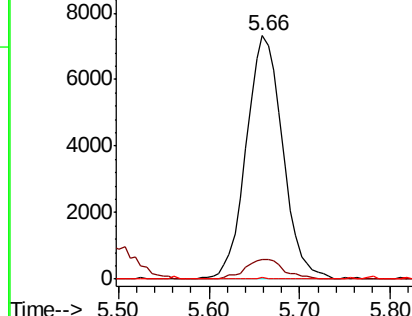
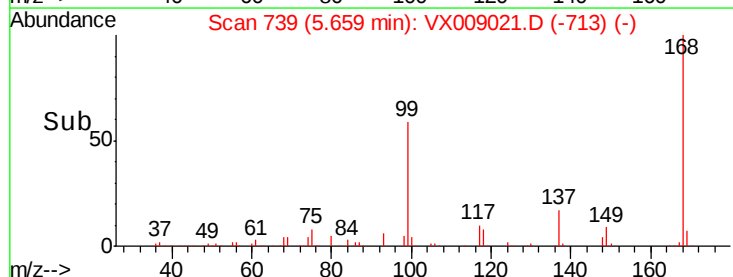
77 0.1 25.0 37.4#

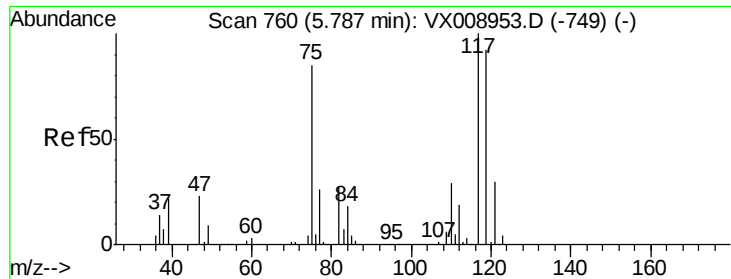


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

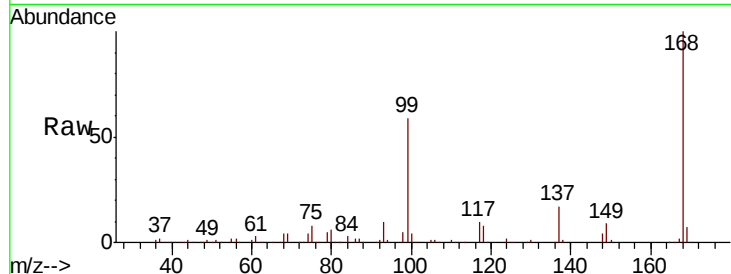




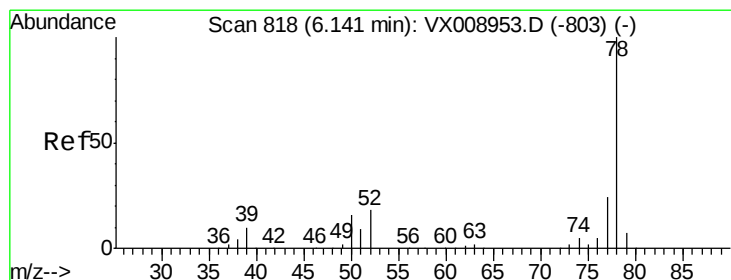
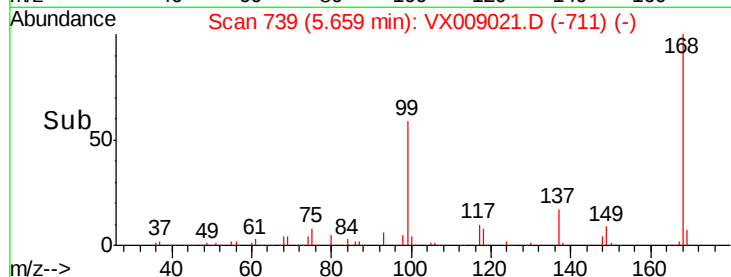
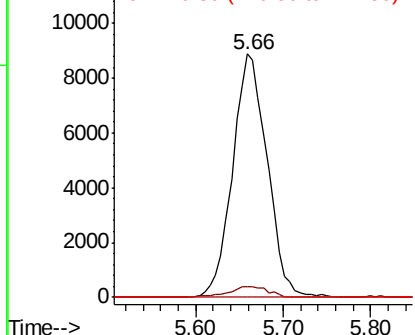
#38
Carbon Tetrachloride
Concen: 6.901 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :
ST006RW153-190415

Tot Ion:117 Resp: 24402
Ion Ratio Lower Upper
117 100
119 4.4 73.8 110.8#
121 0.0 23.6 35.4#

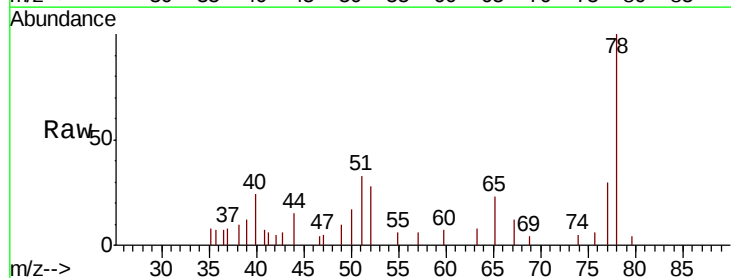


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

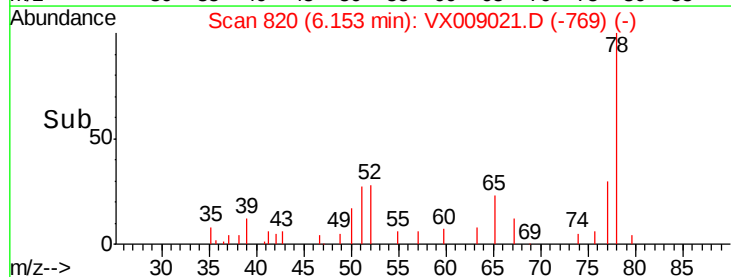
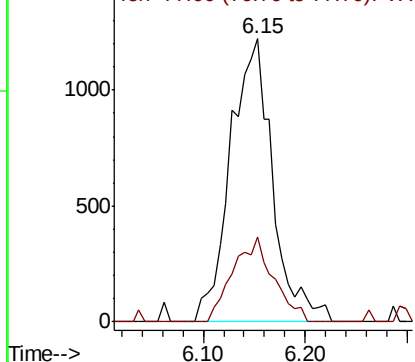


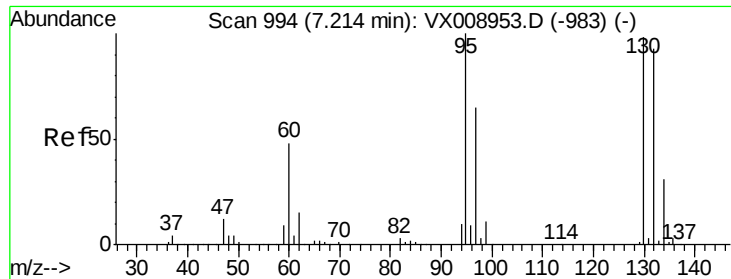
#40
Benzene
Concen: 0.286 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Tgt Ion: 78 Resp: 3516
Ion Ratio Lower Upper
78 100
77 30.1 19.0 28.6#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#44

Trichloroethene

Concen: 1.260 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

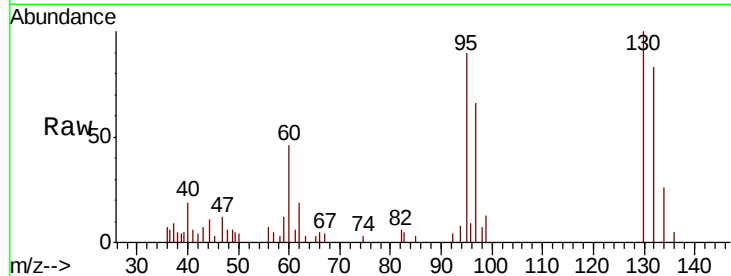
ST006RW153-190415

Tot Ion:130 Resp: 3799

Ion Ratio Lower Upper

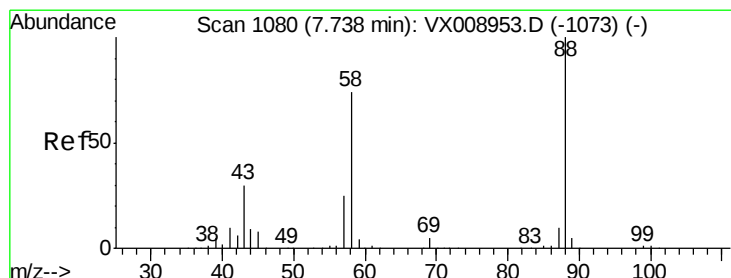
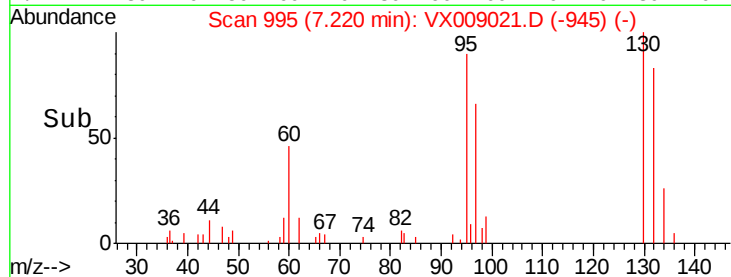
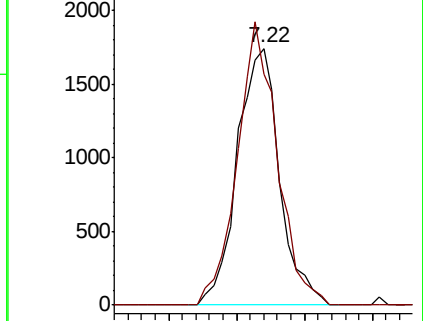
130 100

95 89.7 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.238 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

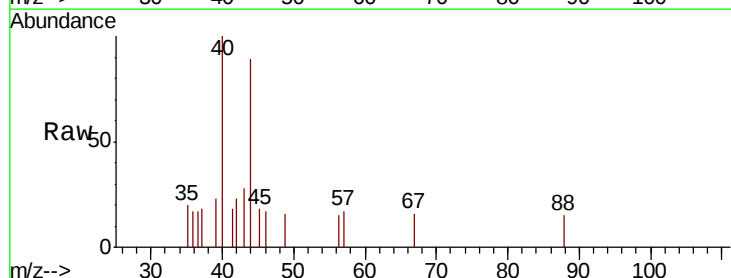
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

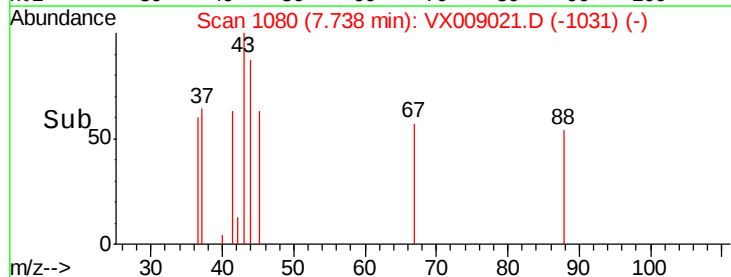
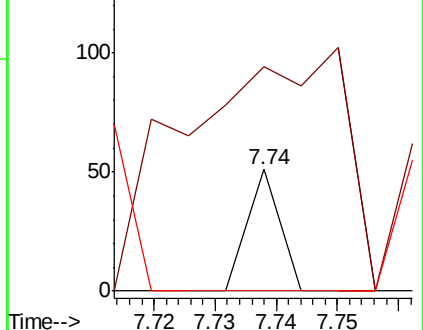
58 0.0 62.6 93.8#

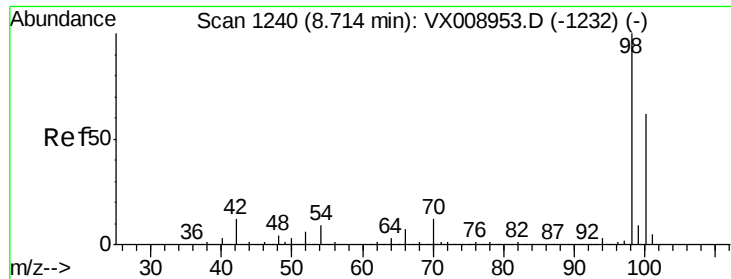


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

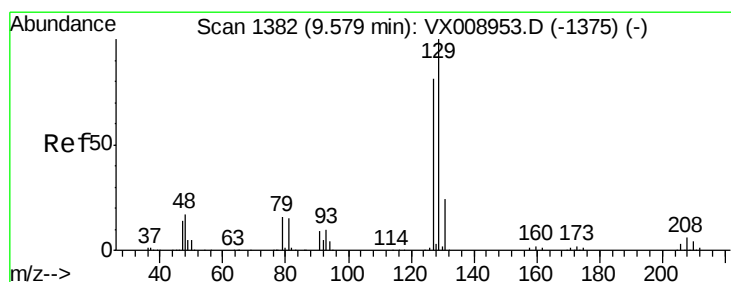
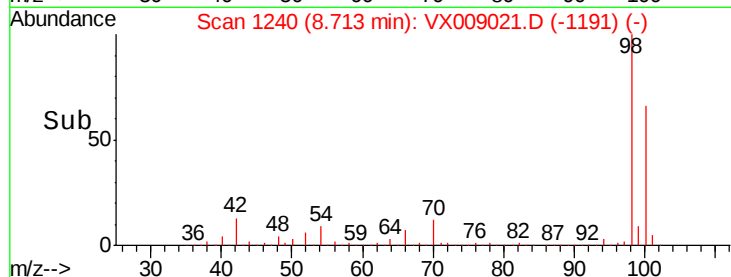
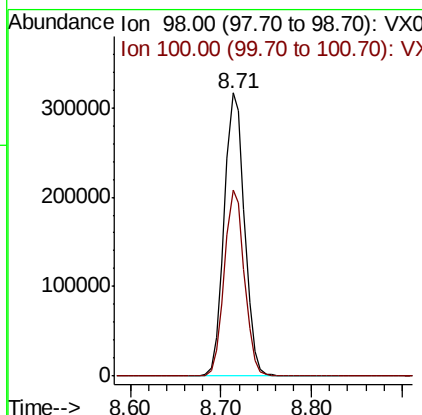
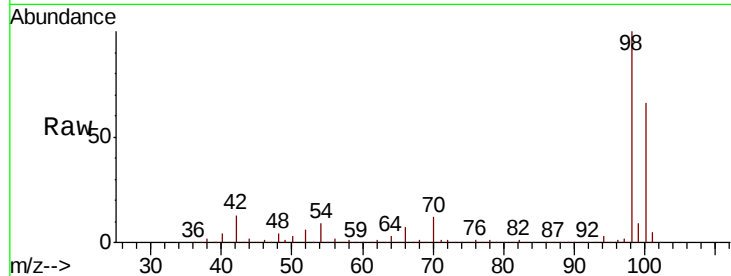




#50
Toluene-d8
Concen: 47.938 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

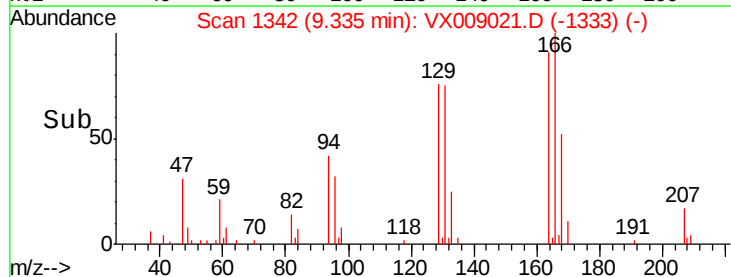
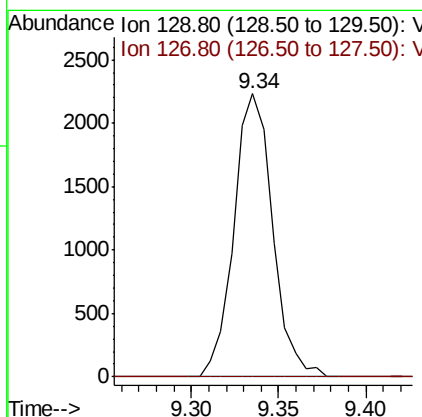
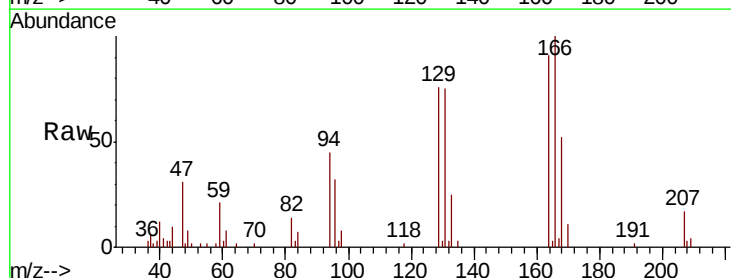
Instrument :
MSVOA_X
ClientSampleId :
ST006RW153-190415

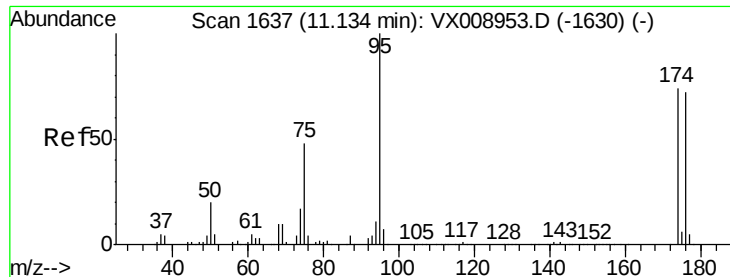
Tot Ion: 98 Resp: 494852
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2



#60
Dibromochloromethane
Concen: 1.227 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Tgt Ion:129 Resp: 3437
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

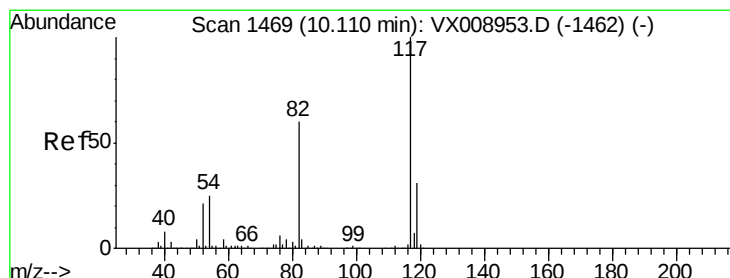
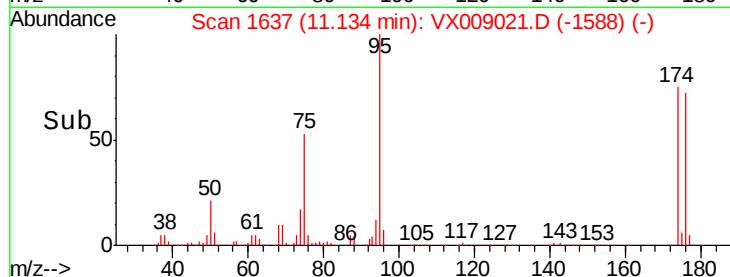
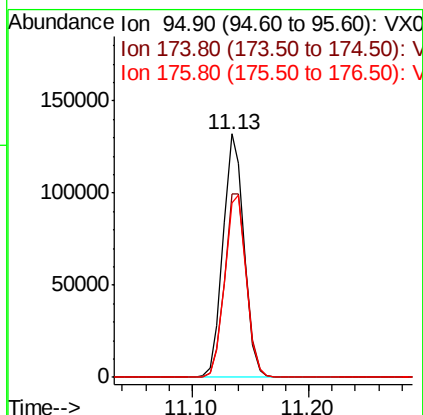
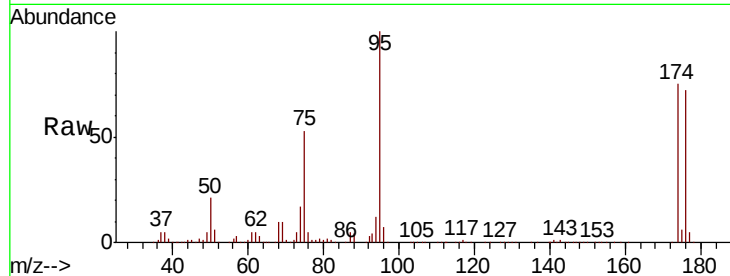




#62
4-Bromofluorobenzene
Concen: 45.039 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

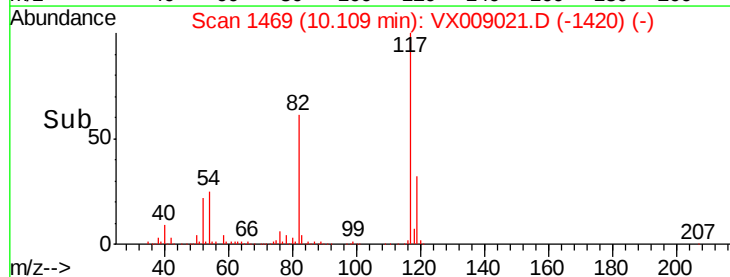
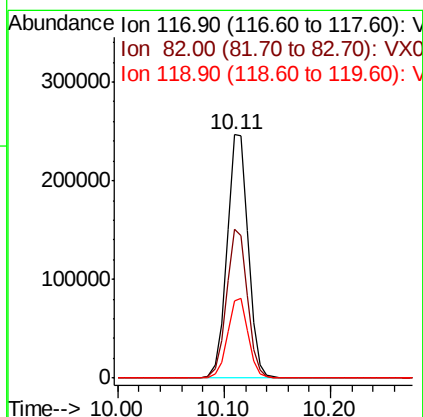
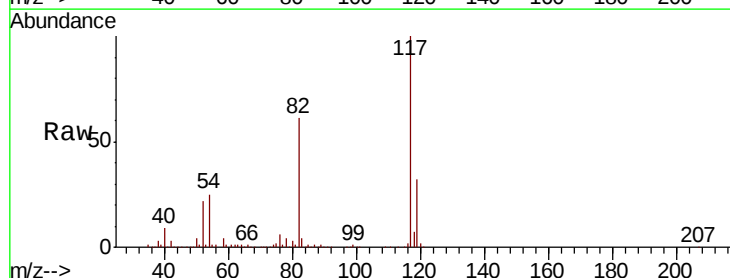
Instrument :
MSVOA_X
ClientSampleId :
ST006RW153-190415

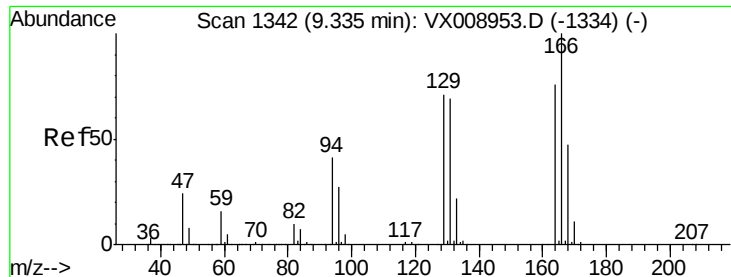
Tot Ion: 95 Resp: 164120
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.6
176 76.5 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Tgt Ion: 117 Resp: 343756
Ion Ratio Lower Upper
117 100
82 61.2 48.2 72.4
119 31.6 25.0 37.6

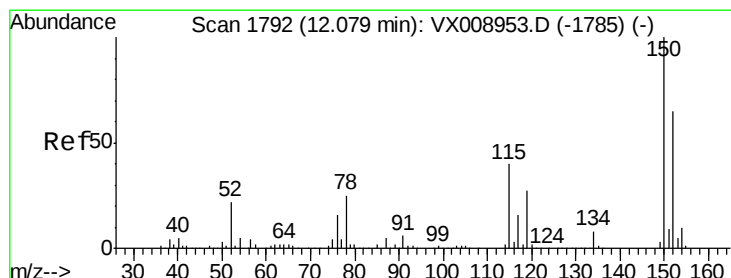
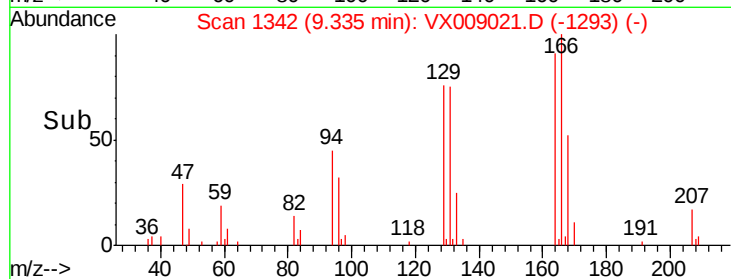
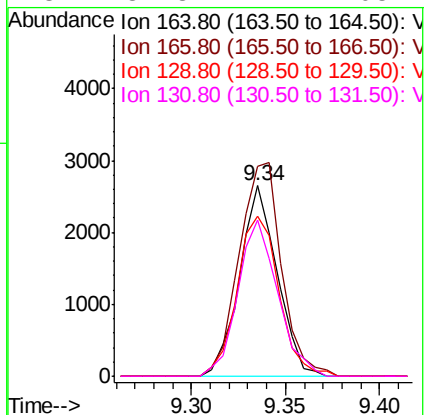
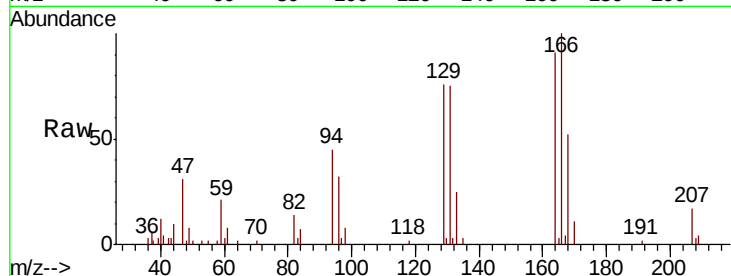




#64
Tetrachloroethene
Concen: 1.405 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

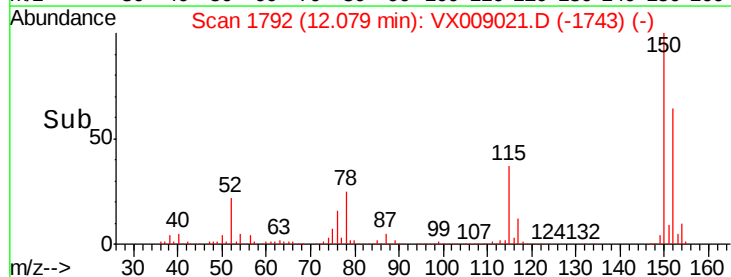
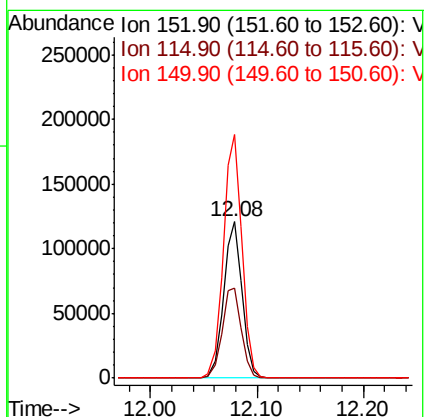
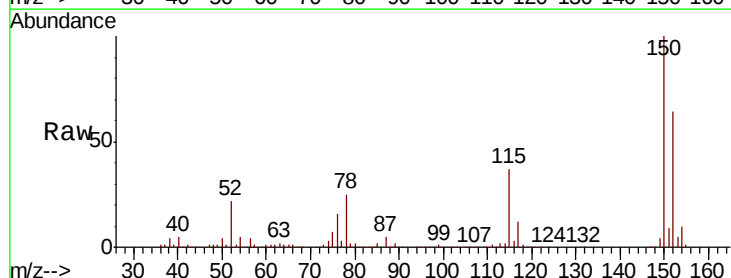
Instrument :
MSVOA_X
ClientSampleId :
ST006RW153-190415

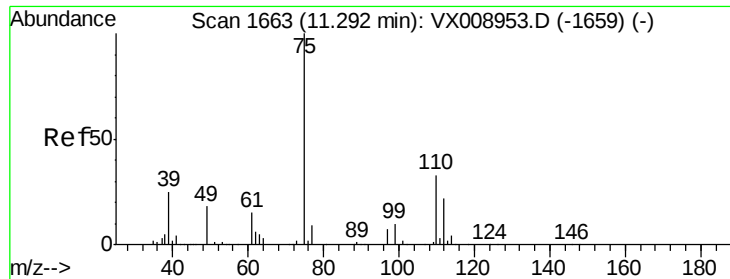
Tot Ion:164 Resp: 3668
Ion Ratio Lower Upper
164 100
166 110.3 105.0 157.4
129 84.2 74.2 111.4
131 82.3 72.2 108.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009021.D
Acq: 17 Apr 2019 17:44

Tgt Ion:152 Resp: 144988
Ion Ratio Lower Upper
152 100
115 60.0 41.4 124.2
150 157.5 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 23.648 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

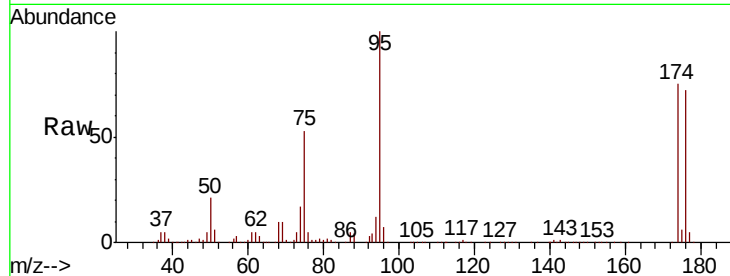
ST006RW153-190415

Tot Ion: 75 Resp: 83721

Ion Ratio Lower Upper

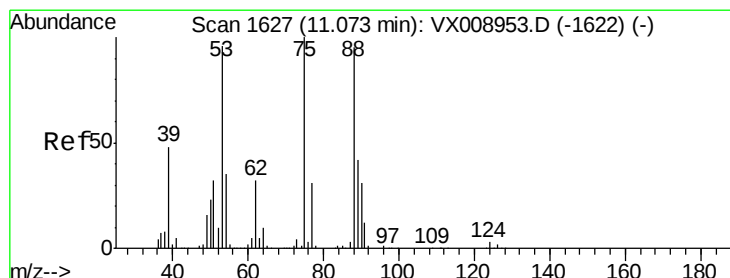
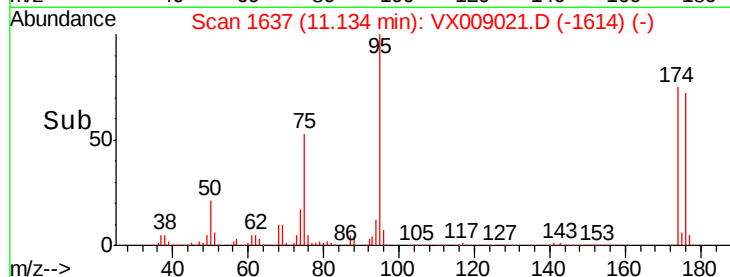
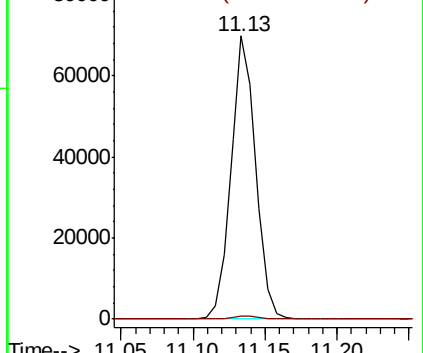
75 100

77 1.3 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: 60.711 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009021.D

Acq: 17 Apr 2019 17:44

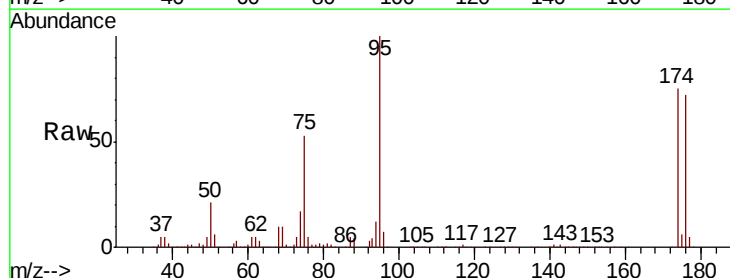
Tgt Ion: 75 Resp: 83721

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



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

