

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051619\
 Data File : VX009644.D
 Acq On : 17 May 2019 06:24
 Operator : JC/SP
 Sample : K2887-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW601-190514

Quant Time: May 17 08:05:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	173397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107352	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	117327	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
35) Dibromofluoromethane	5.50	113	86732	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
50) Toluene-d8	8.71	98	350675	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	117378	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

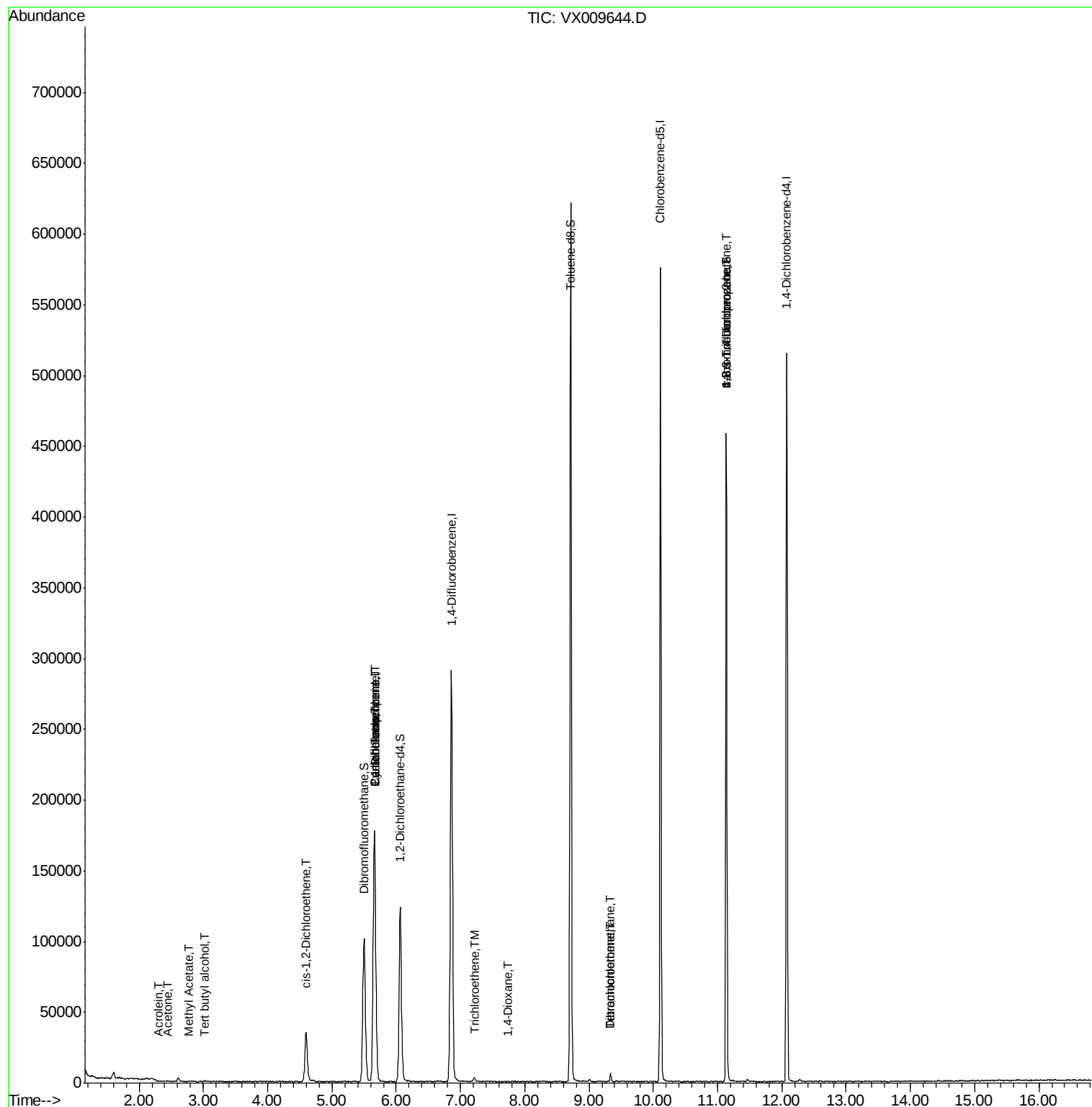
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	337	0.615	ug/l #	73
13) Acrolein	2.31	56	120	0.242	ug/l #	14
16) Acetone	2.44	43	676	0.532	ug/l #	77
18) Methyl Acetate	2.78	43	684	0.226	ug/l #	75
27) cis-1,2-Dichloroethene	4.60	96	21384	10.154	ug/l	89
28) Bromochloromethane	5.02	49	19	Below Cal	#	20
31) Cyclohexane	5.66	56	3774	1.078	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13281	5.123	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16207	6.881	ug/l #	16
44) Trichloroethene	7.22	130	1073	0.553	ug/l	96
49) 1,4-Dioxane	7.74	88	19	0.327	ug/l #	63
60) Dibromochloromethane	9.34	129	986	0.507	ug/l #	11
64) Tetrachloroethene	9.34	164	1038	0.611	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	60069	24.122	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	60069	61.720	ug/l #	10

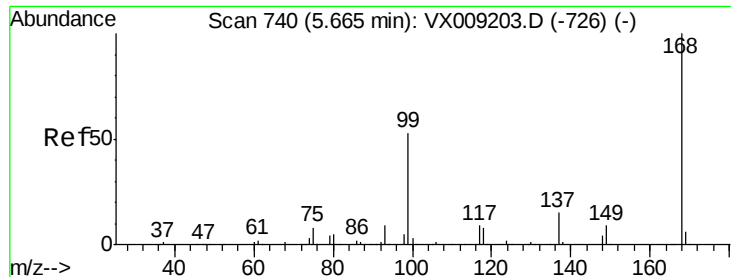
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

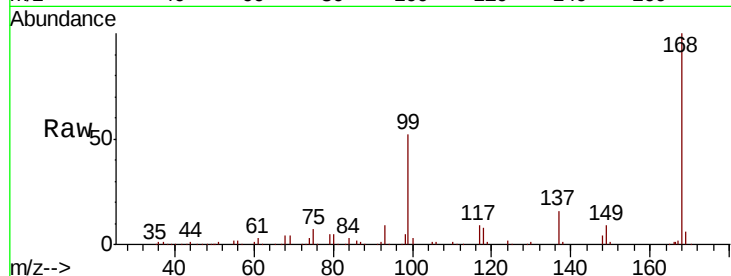
SS052MW601-190514

Tot Ion:168 Resp: 173397

Ion Ratio Lower Upper

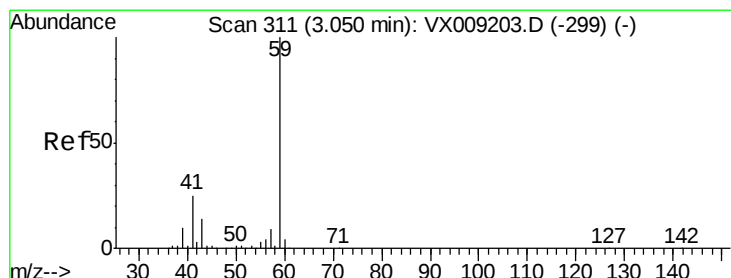
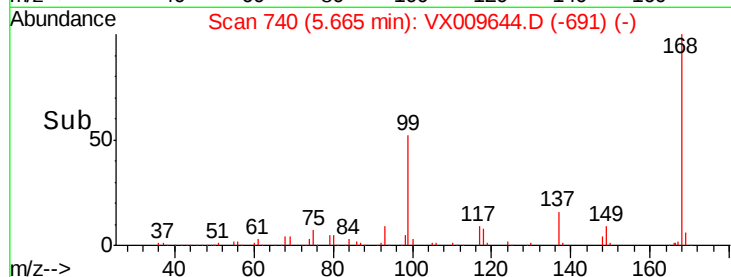
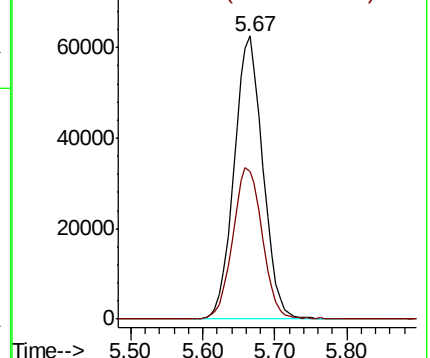
168 100

99 52.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.615 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX009644.D

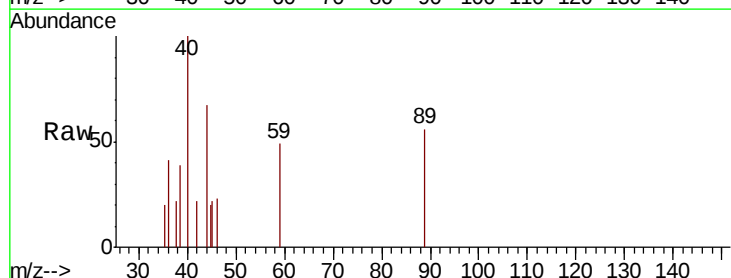
Acq: 17 May 2019 06:24

Tgt Ion: 59 Resp: 337

Ion Ratio Lower Upper

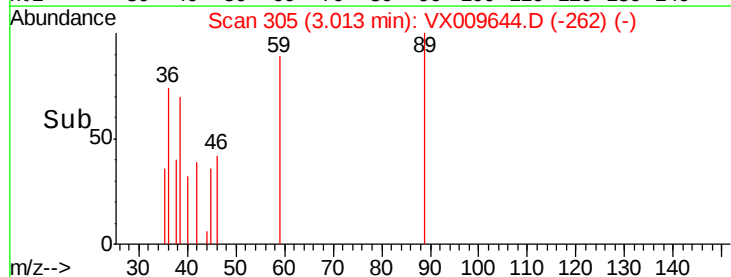
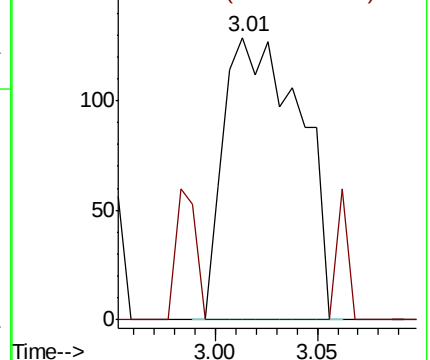
59 100

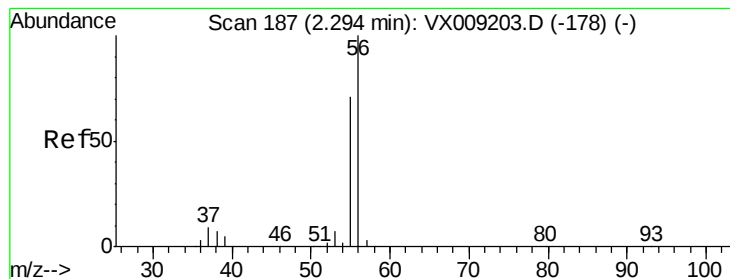
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.242 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

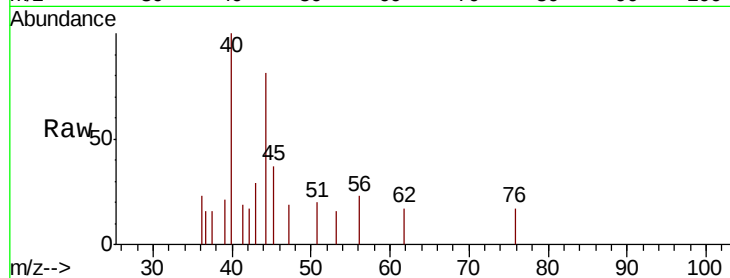
SS052MW601-190514

Tot Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

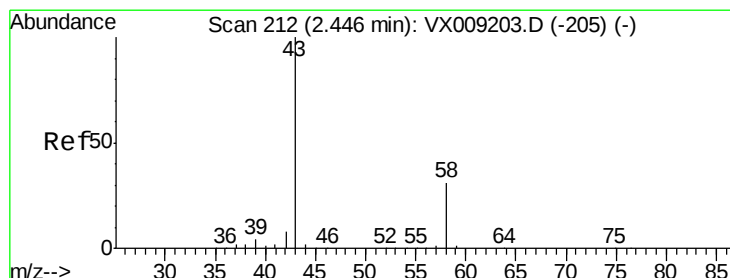
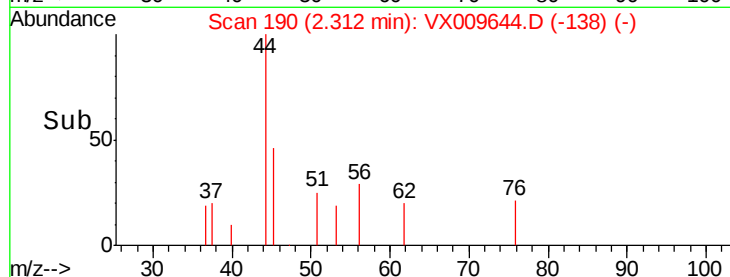
50

0

2.26 2.28 2.30 2.32 2.34

2.31

Time-->



#16

Acetone

Concen: 0.532 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009644.D

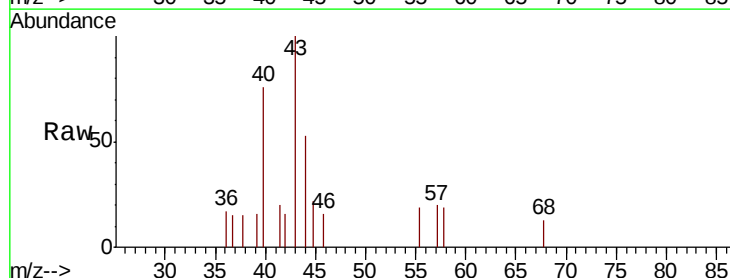
Acq: 17 May 2019 06:24

Tgt Ion: 43 Resp: 676

Ion Ratio Lower Upper

43 100

58 18.6 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400

300

200

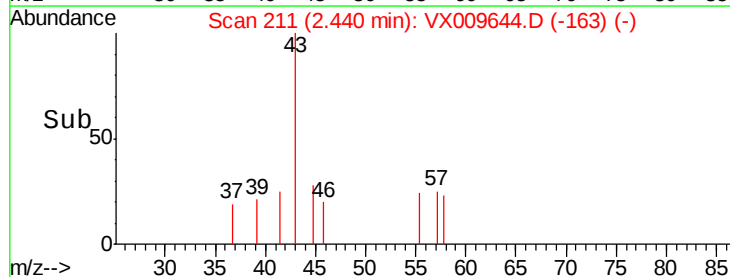
100

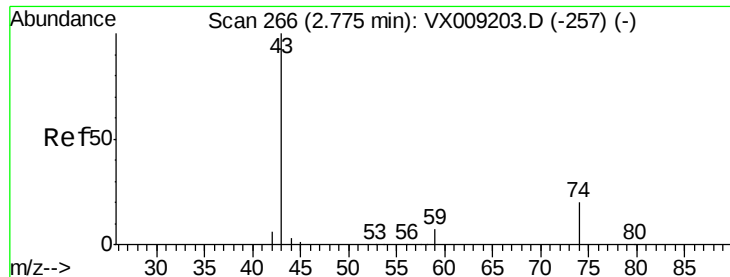
0

2.40 2.45 2.50

2.44

Time-->

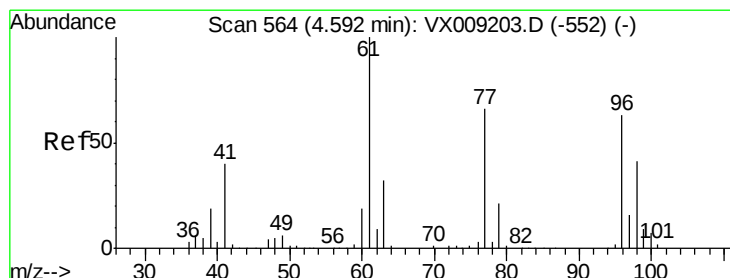
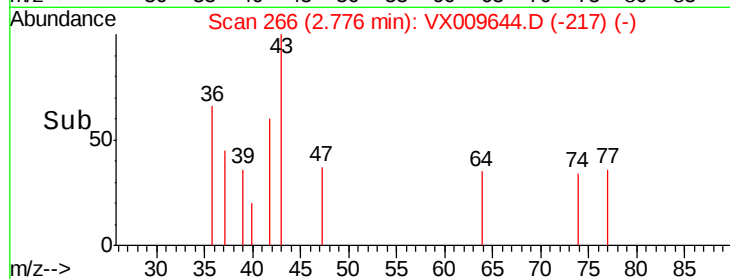
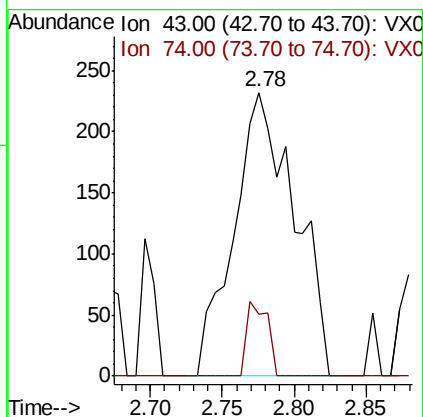
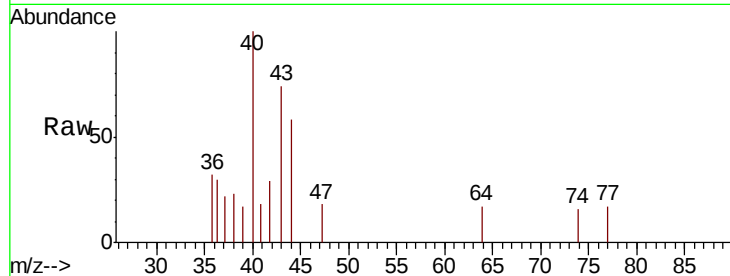




#18
Methvl Acetate
Concen: 0.226 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009644.D
Acq: 17 May 2019 06:24

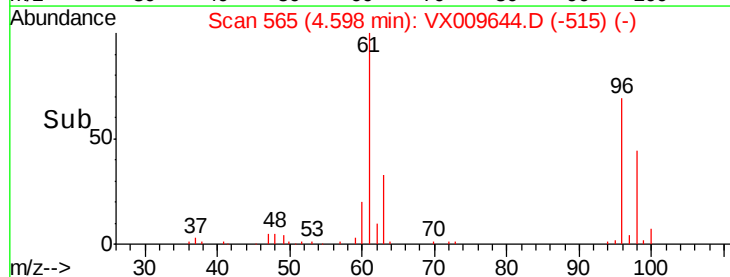
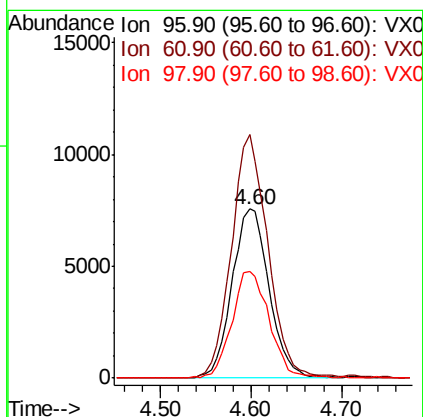
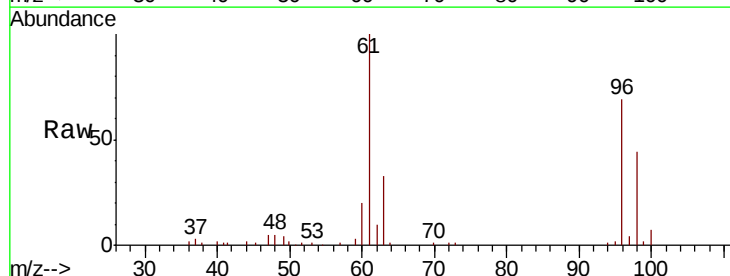
Instrument :
MSVOA_X
ClientSampleId :
SS052MW601-190514

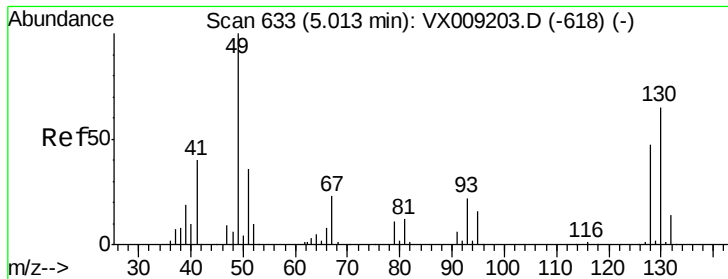
Tot Ion: 43 Resp: 684
Ion Ratio Lower Upper
43 100
74 8.8 16.2 24.4#



#27
cis-1,2-Dichloroethene
Concen: 10.154 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009644.D
Acq: 17 May 2019 06:24

Tgt Ion: 96 Resp: 21384
Ion Ratio Lower Upper
96 100
61 141.8 0.0 324.0
98 63.6 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

SS052MW601-190514

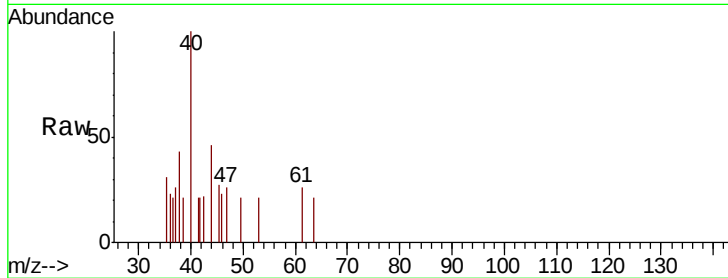
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

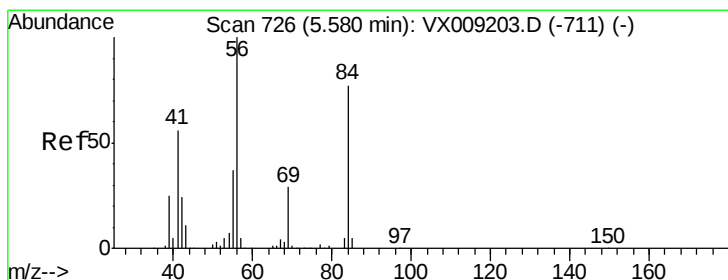
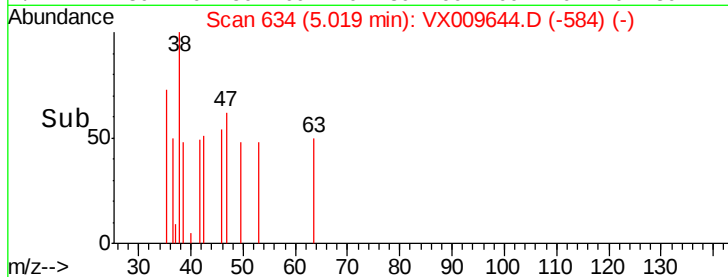
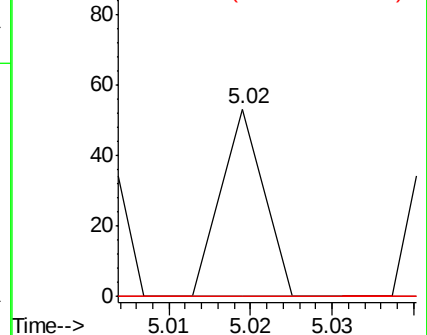
130 0.0 51.2 76.8#



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



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

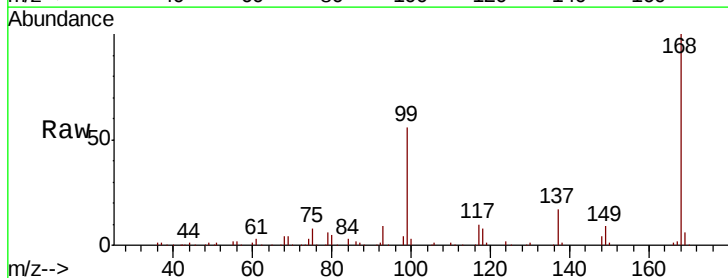
Tgt Ion: 56 Resp: 3774

Ion Ratio Lower Upper

56 100

69 178.4 23.4 35.0#

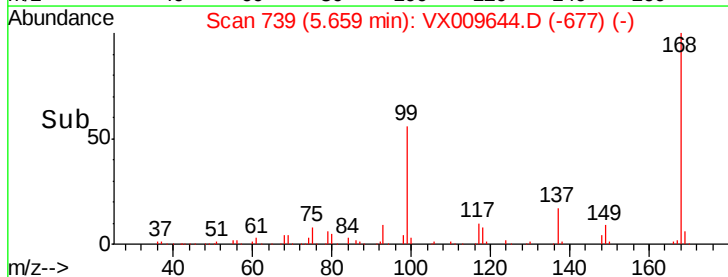
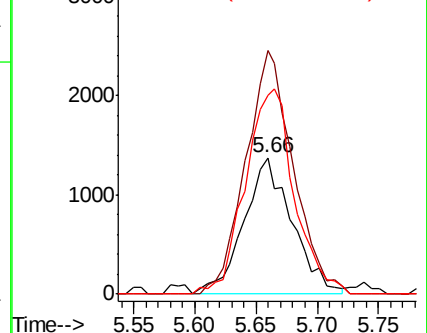
84 145.5 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

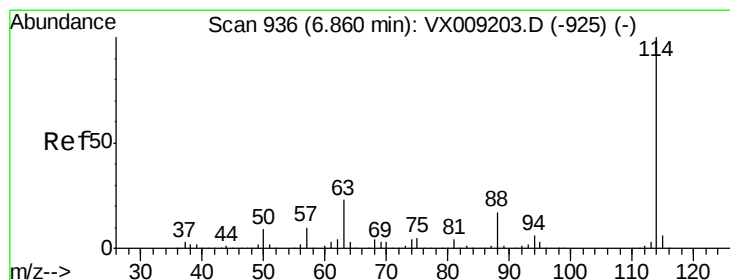
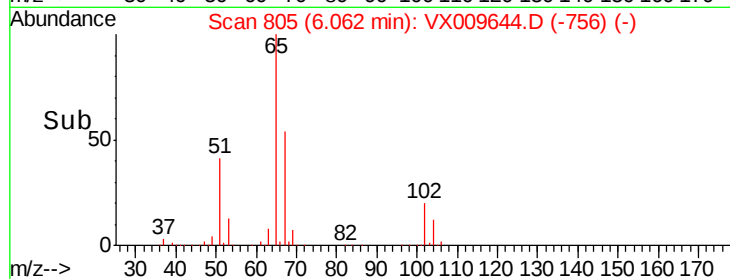
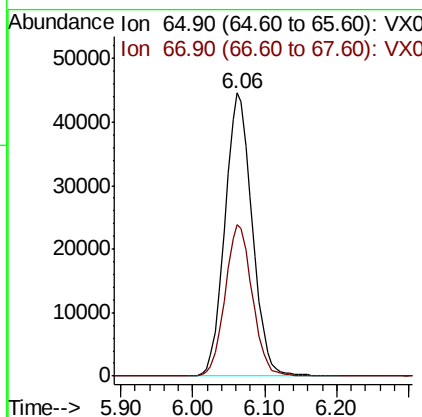
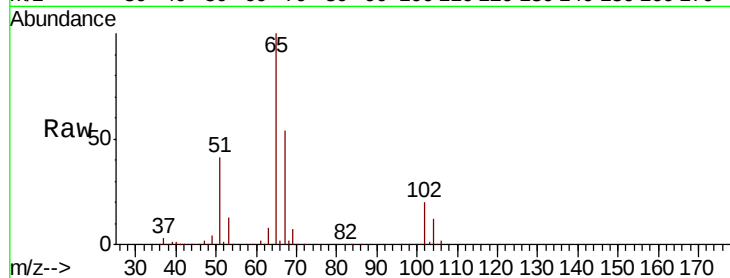




#33
 1,2-Dichloroethane-d4
 Concen: 49.566 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009644.D
 Acq: 17 May 2019 06:24

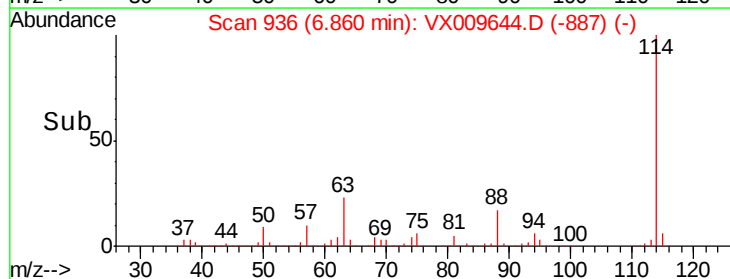
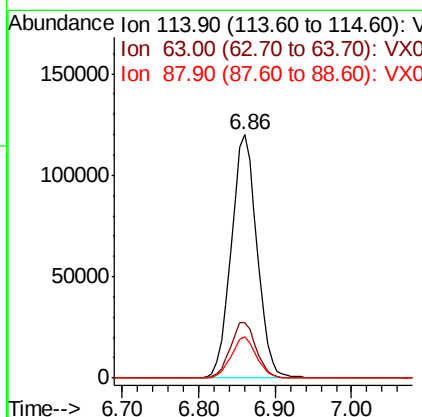
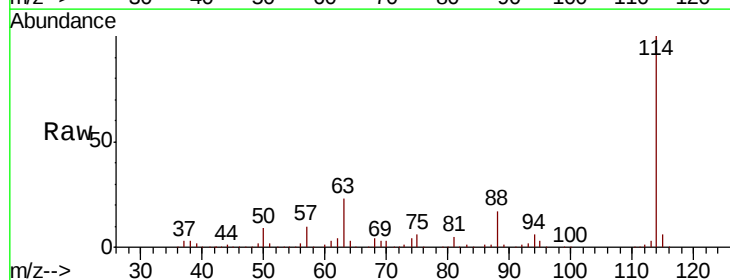
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 MSVOA_X
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 SS052MW601-190514

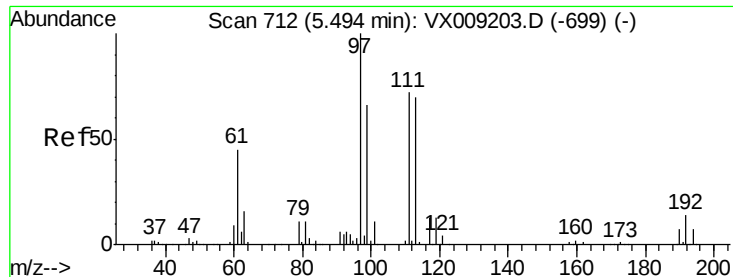
Tot Ion: 65 Resp: 117327
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009644.D
 Acq: 17 May 2019 06:24

Tgt Ion: 114 Resp: 278968
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.9 0.0 33.2

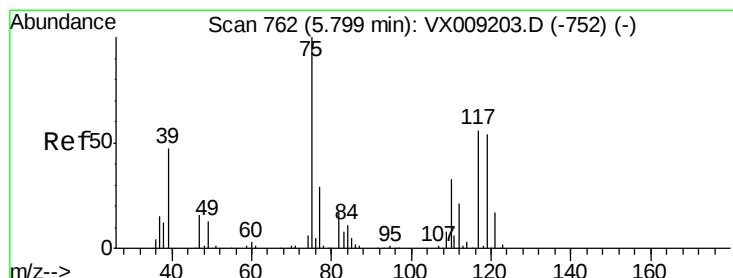
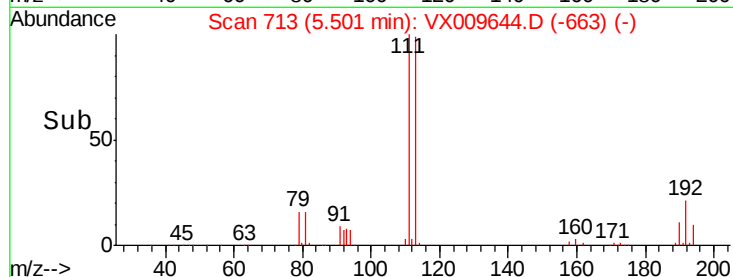
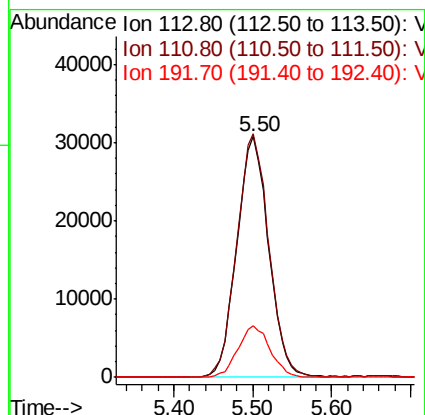
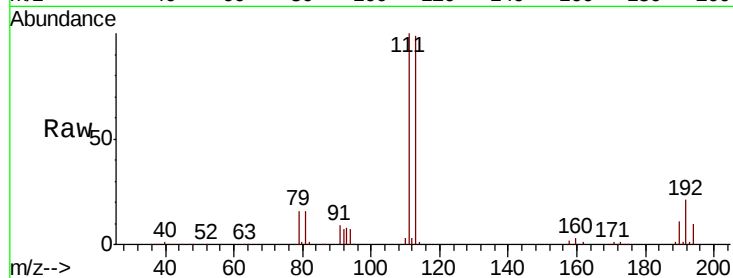




#35
 Dibromofluoromethane
 Concen: 49.456 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009644.D
 Acq: 17 May 2019 06:24

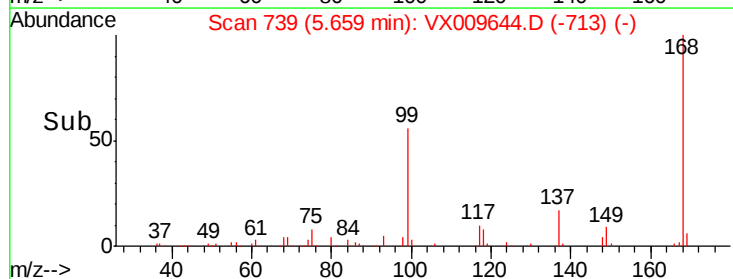
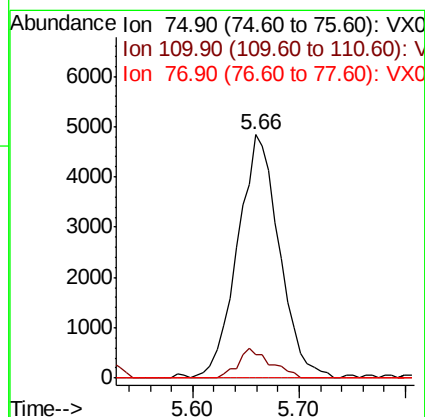
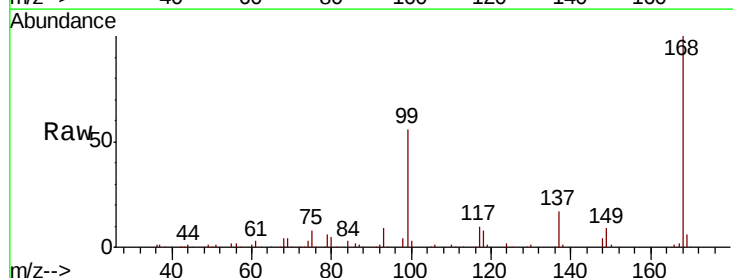
Instrument :
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 ClientSampleId :
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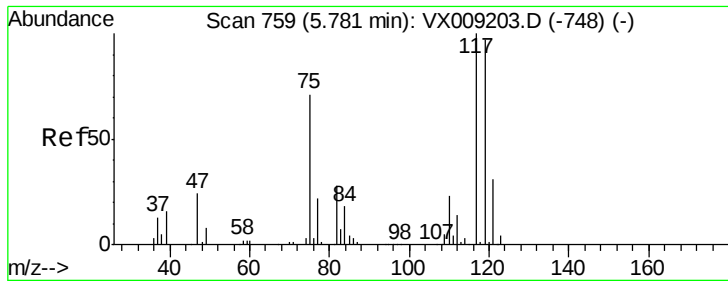
Tot Ion:113 Resp: 86732
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 21.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.123 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009644.D
 Acq: 17 May 2019 06:24

Tgt Ion: 75 Resp: 13281
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.881 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

SS052MW601-190514

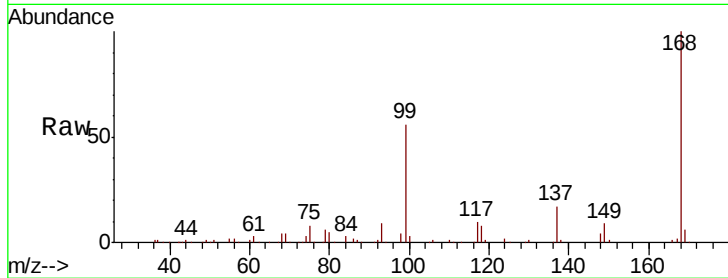
Tot Ion:117 Resp: 16207

Ion Ratio Lower Upper

117 100

119 5.1 77.5 116.3#

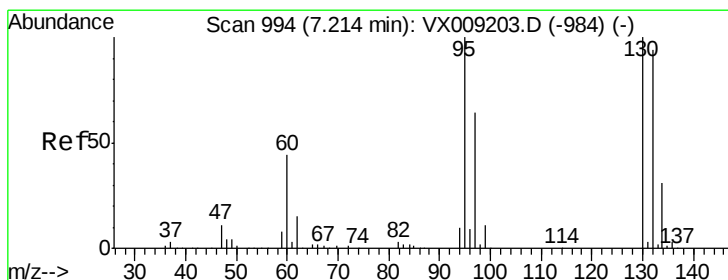
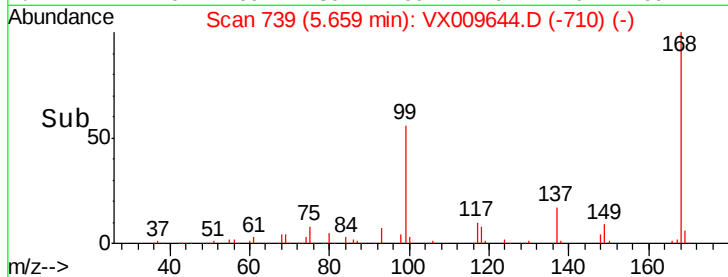
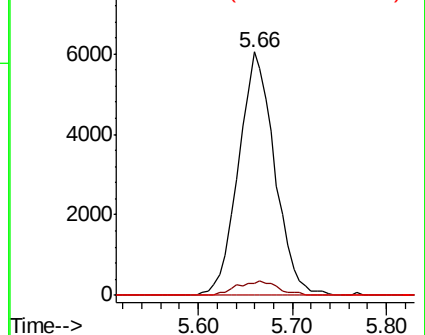
121 0.0 24.7 37.1#



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: 0.553 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX009644.D

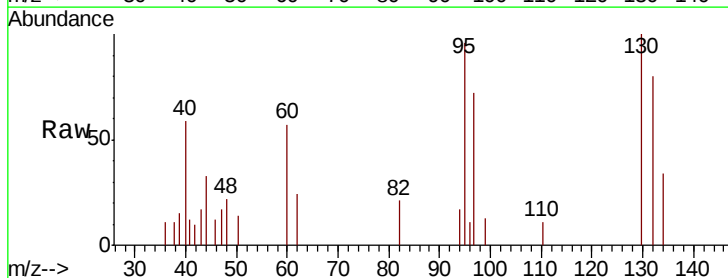
Acq: 17 May 2019 06:24

Tgt Ion:130 Resp: 1073

Ion Ratio Lower Upper

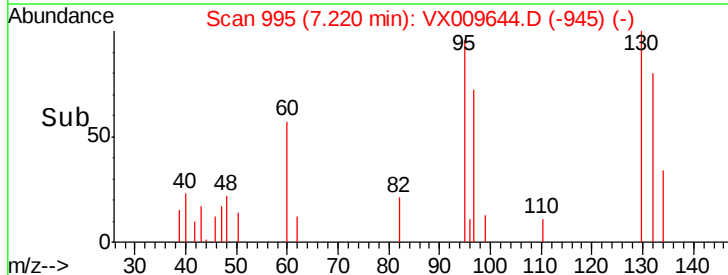
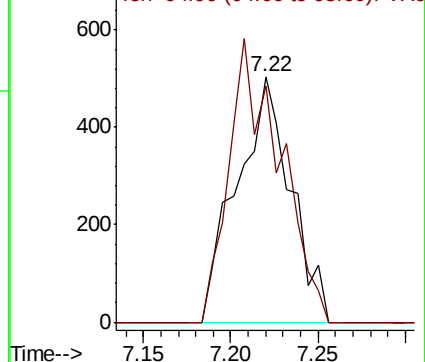
130 100

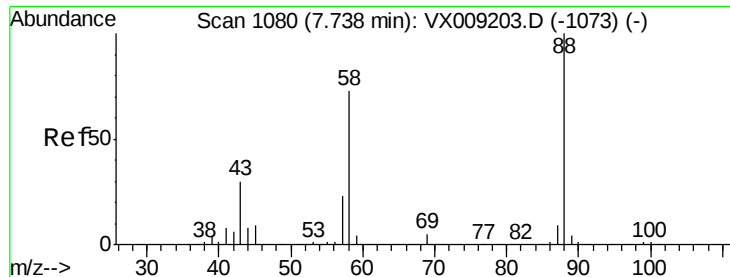
95 96.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.327 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

SS052MW601-190514

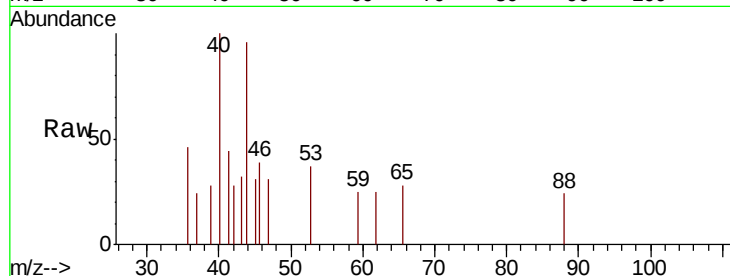
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

58 100.0 61.7 92.5#

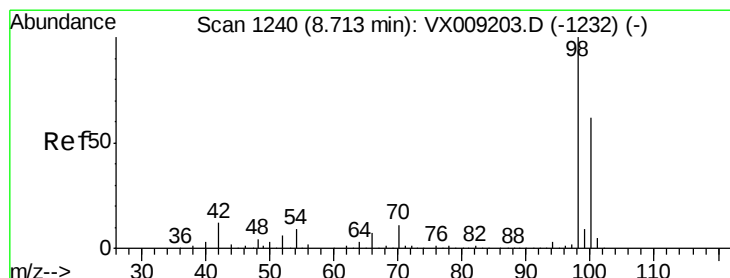
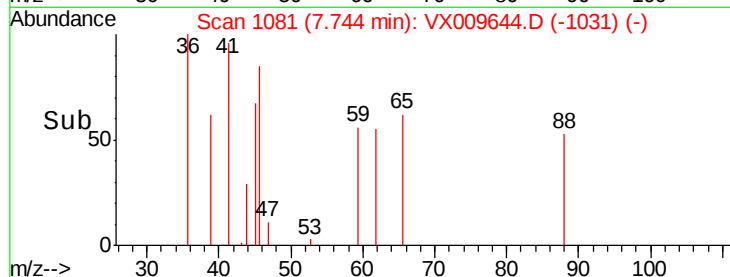
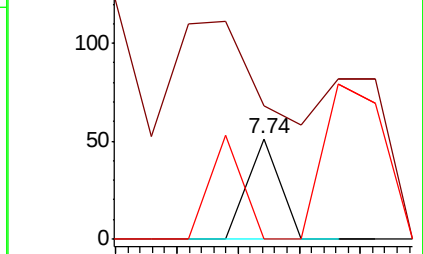


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.74



#50

Toluene-d8

Concen: 49.529 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009644.D

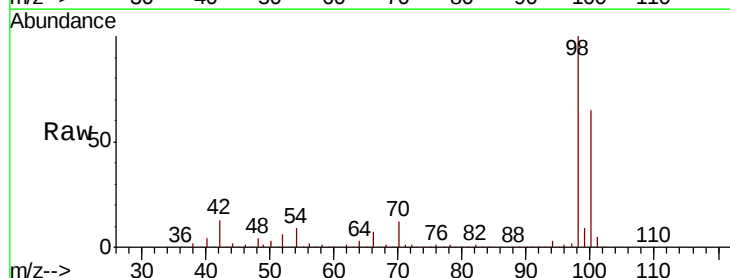
Acq: 17 May 2019 06:24

Tgt Ion: 98 Resp: 350675

Ion Ratio Lower Upper

98 100

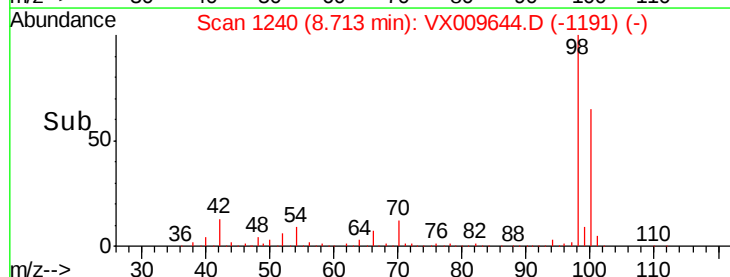
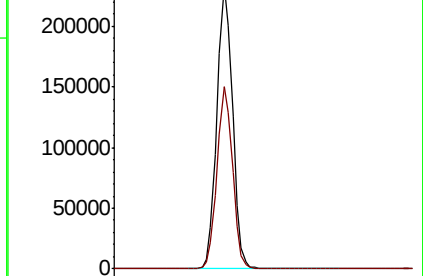
100 63.9 51.2 76.8

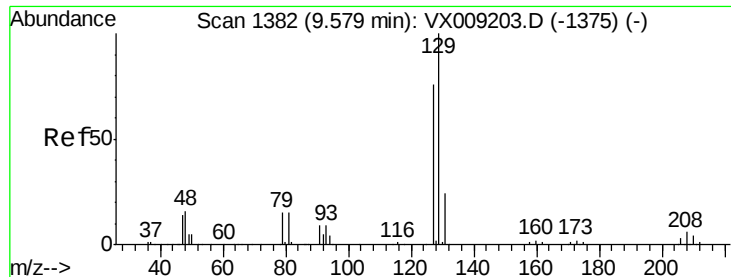


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71





#60

Dibromochloromethane

Concen: 0.507 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

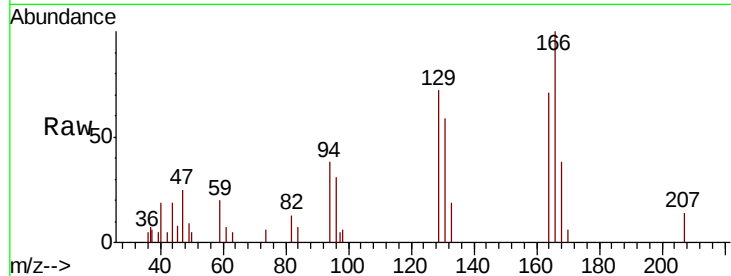
SS052MW601-190514

Tot Ion:129 Resp: 986

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

800

600

400

200

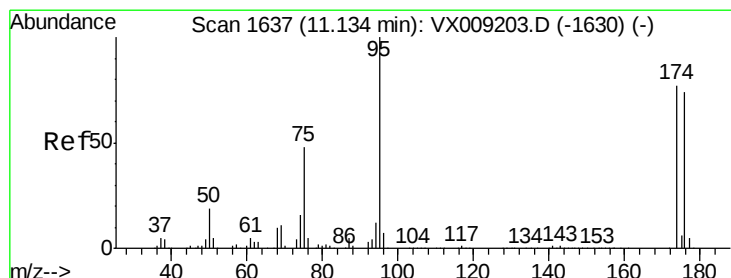
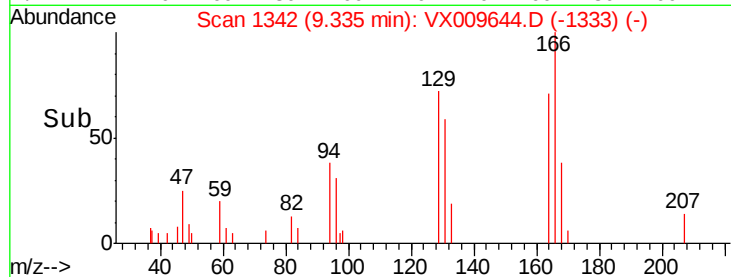
0

9.30

9.34

9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 45.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

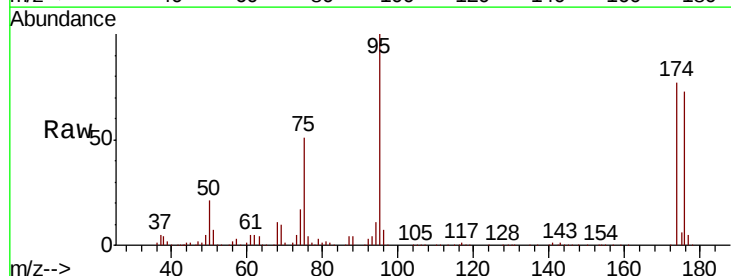
Tgt Ion: 95 Resp: 117378

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 79.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

20000

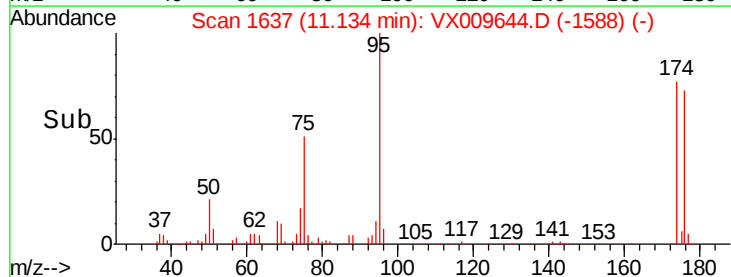
0

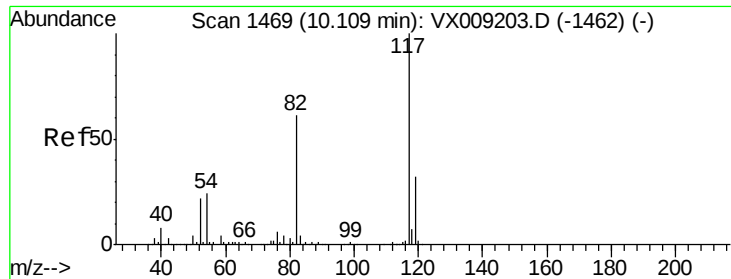
11.10

11.13

11.20

Time-->

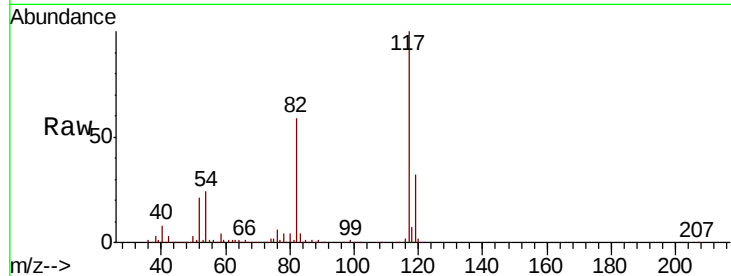




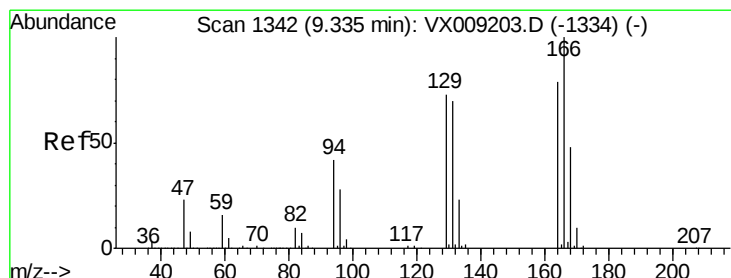
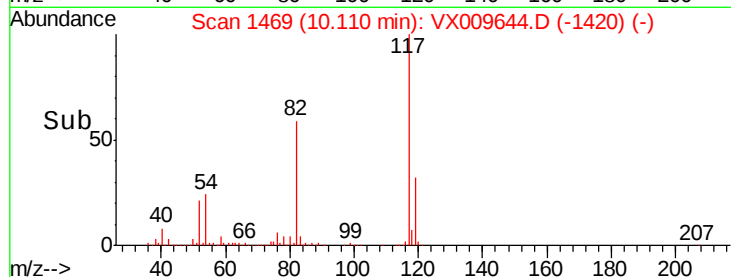
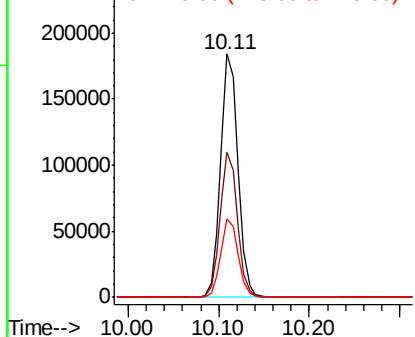
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009644.D
Acq: 17 May 2019 06:24

Instrument :
MSVOA_X
ClientSampleId :
SS052MW601-190514

Tot Ion:117 Resp: 247733
Ion Ratio Lower Upper
117 100
82 59.5 48.8 73.2
119 32.1 25.8 38.6

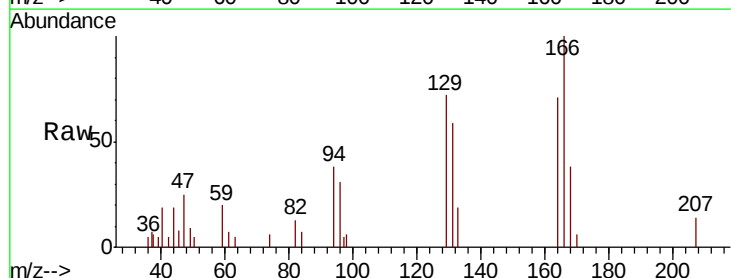


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

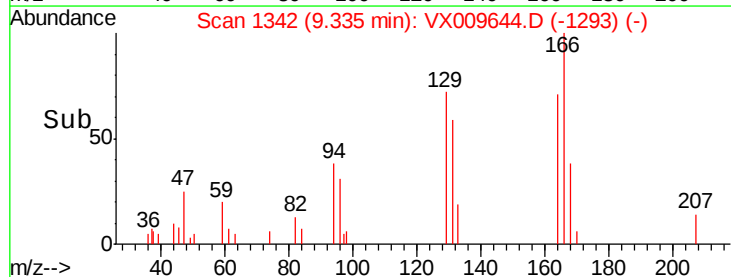
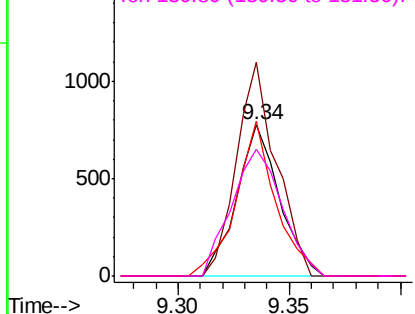


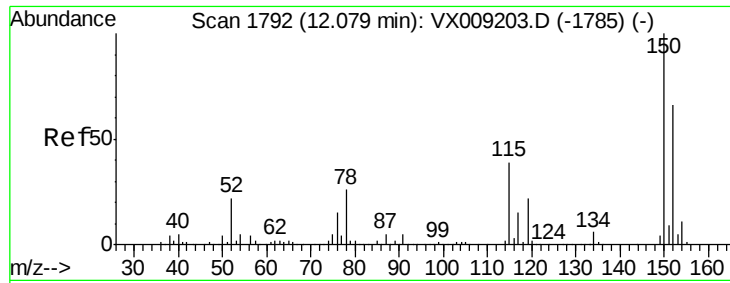
#64
Tetrachloroethene
Concen: 0.611 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009644.D
Acq: 17 May 2019 06:24

Tgt Ion:164 Resp: 1038
Ion Ratio Lower Upper
164 100
166 141.0 101.2 151.8
129 101.9 74.3 111.5
131 83.5 71.0 106.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

SS052MW601-190514

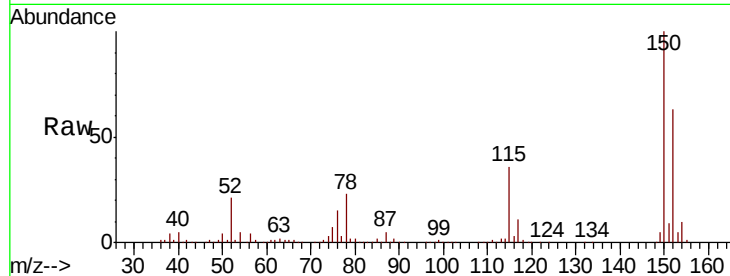
Tot Ion:152 Resp: 107352

Ion Ratio Lower Upper

152 100

115 58.8 41.2 123.6

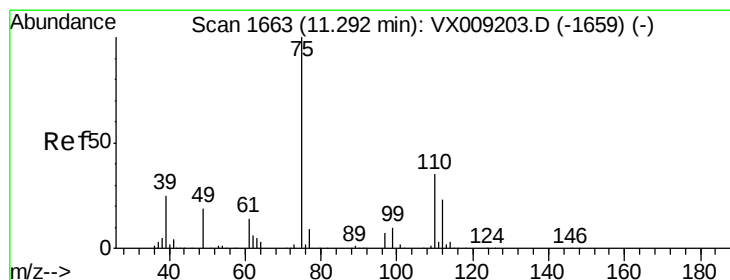
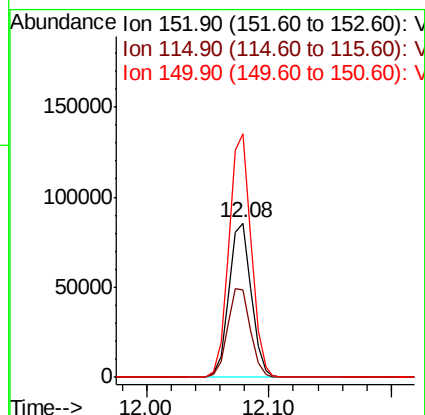
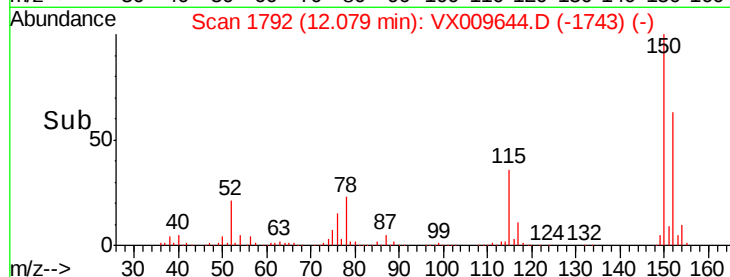
150 156.9 0.0 346.4



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: 24.122 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009644.D

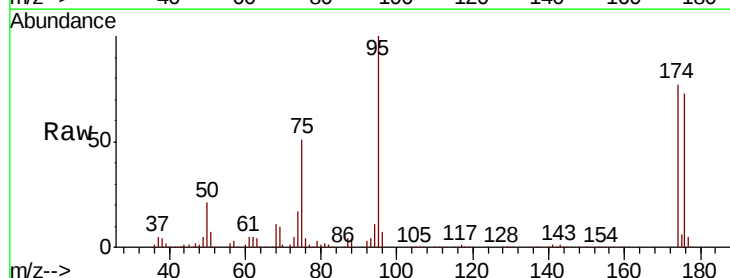
Acq: 17 May 2019 06:24

Tgt Ion: 75 Resp: 60069

Ion Ratio Lower Upper

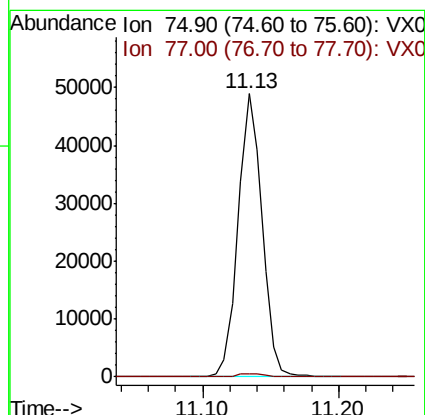
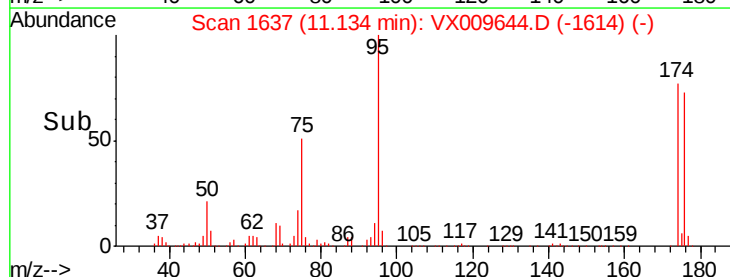
75 100

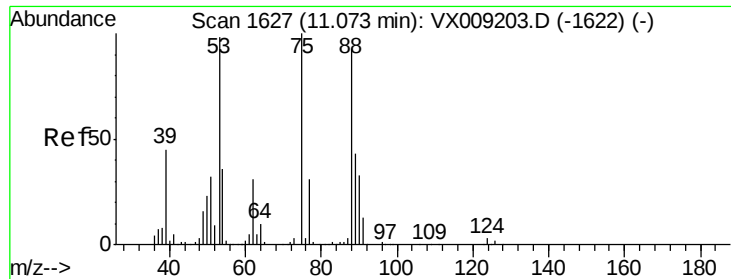
77 1.4 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.720 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009644.D

Acq: 17 May 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

SS052MW601-190514

Tot Ion: 75 Resp: 60069

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

