

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009683.D
 Acq On : 17 May 2019 23:37
 Operator : JC/SP
 Sample : K2887-23
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW727-190515

Quant Time: May 18 04:54:59 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	162959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100606	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	109894	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.50	113	80349	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	8.71	98	325458	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.13	95	109241	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

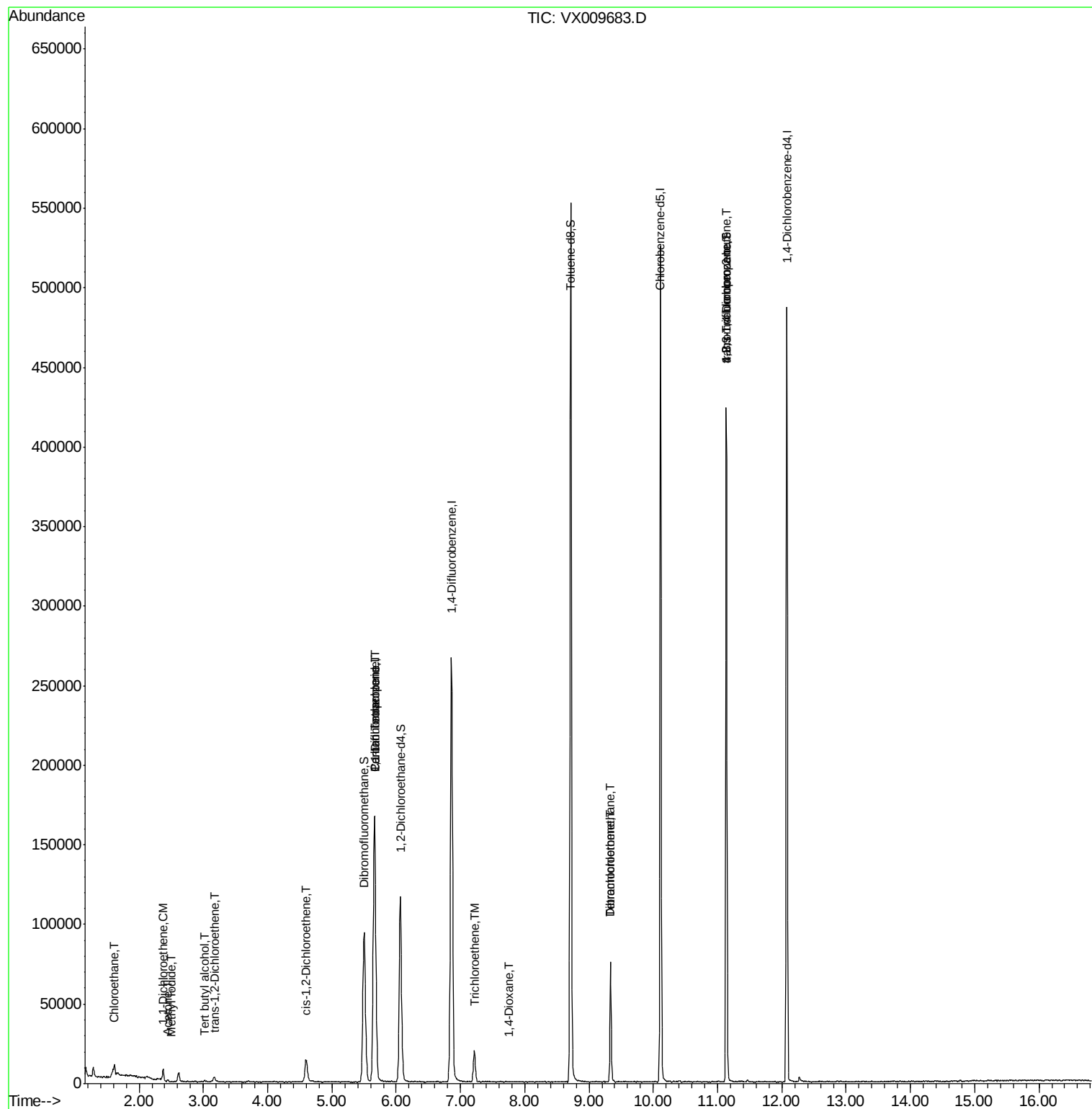
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	3371	2.626	ug/l #	43
10) Methyl Iodide	2.51	142	140	4.666	ug/l #	58
11) Tert butyl alcohol	3.01	59	585	1.136	ug/l #	83
12) 1,1-Dichloroethene	2.37	96	2462	1.610	ug/l #	94
16) Acetone	2.44	43	1079	0.903	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	1102	0.665	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	8836	4.464	ug/l	92
28) Bromochloromethane	5.01	49	114	Below Cal	#	20
36) 1,1-Dichloropropene	5.67	75	12843	5.365	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15250	7.011	ug/l #	16
44) Trichloroethene	7.21	130	7330	4.092	ug/l	99
49) 1,4-Dioxane	7.76	88	24	0.447	ug/l #	1
60) Dibromochloromethane	9.34	129	13232	7.373	ug/l #	11
64) Tetrachloroethene	9.34	164	14665	9.129	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	56885	24.375	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	56885	62.368	ug/l #	10

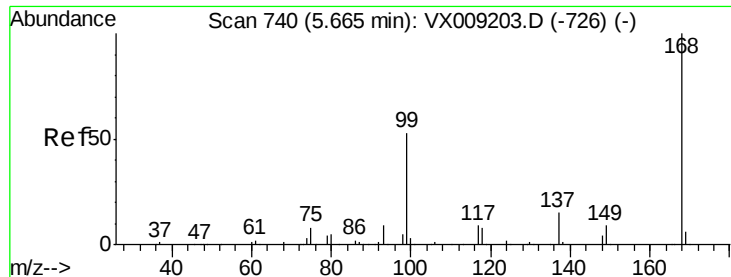
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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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: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

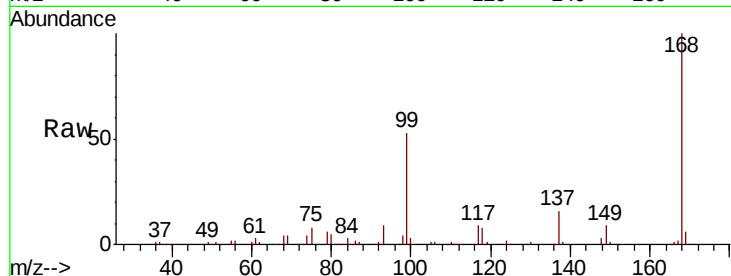
SS052MW727-190515

Tot Ion:168 Resp: 162959

Ion Ratio Lower Upper

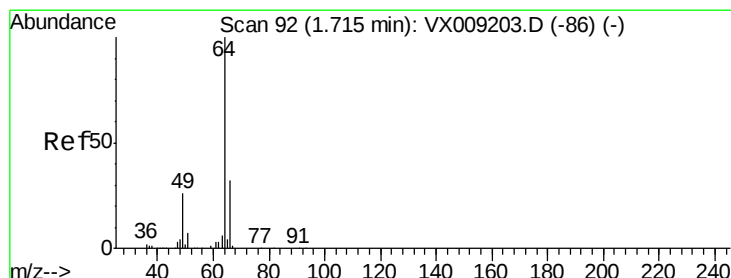
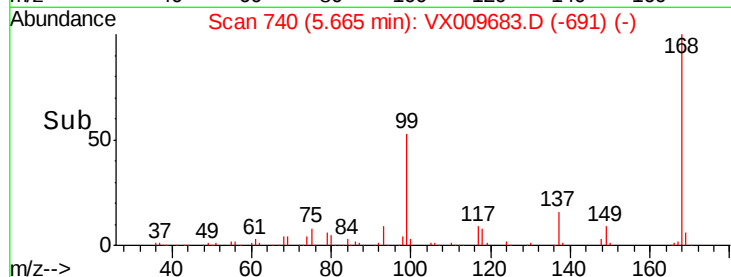
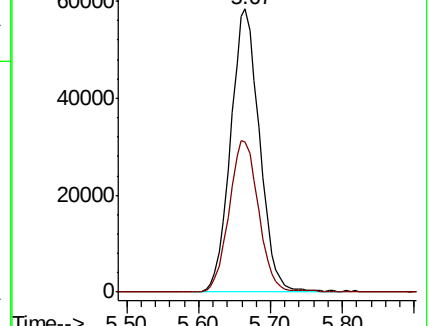
168 100

99 53.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 2.626 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.11 min

Lab File: VX009683.D

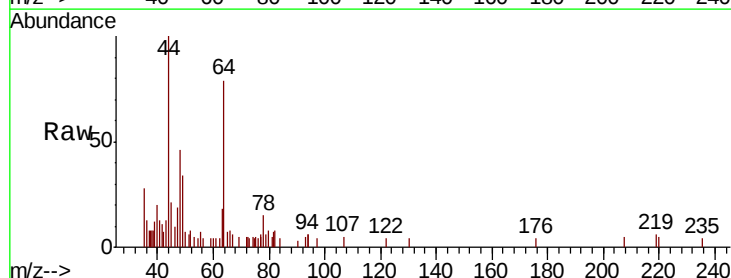
Acq: 17 May 2019 23:37

Tgt Ion: 64 Resp: 3371

Ion Ratio Lower Upper

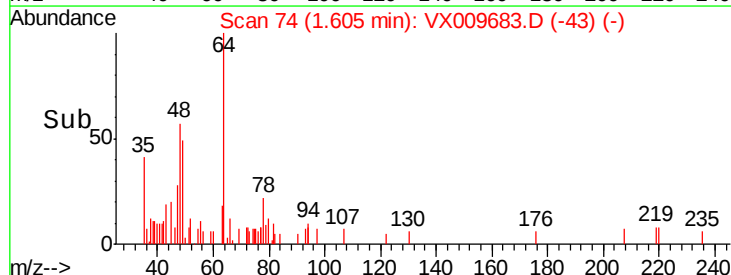
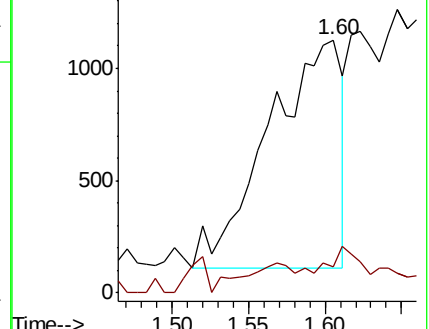
64 100

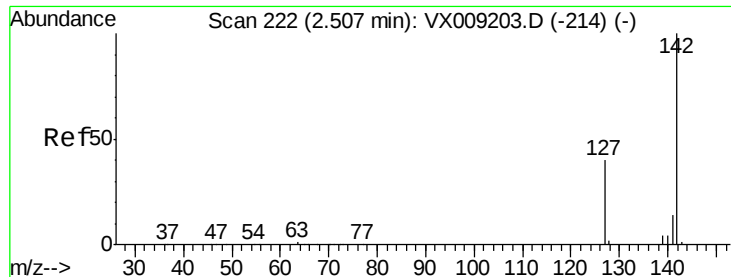
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

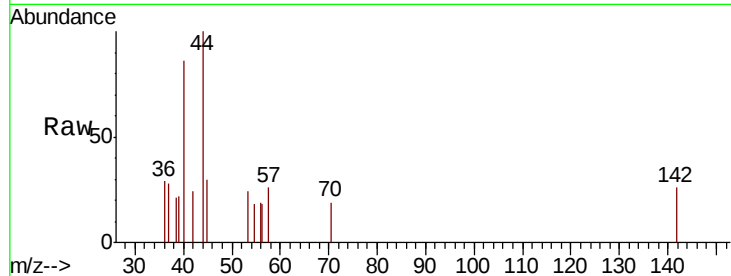




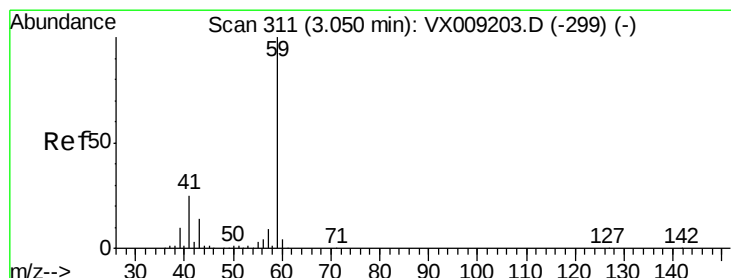
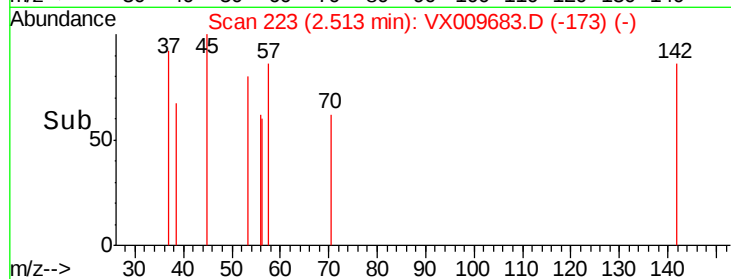
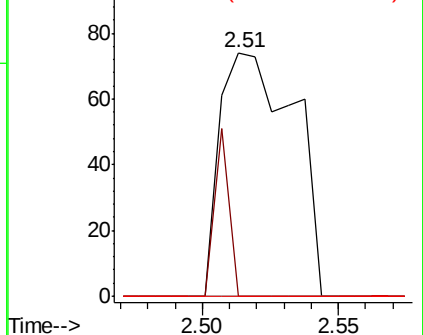
#10
Methyl Iodide
Concen: 4.666 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009683.D
Acq: 17 May 2019 23:37

Instrument :
MSVOA_X
ClientSampleId :
SS052MW727-190515

Tot Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 13.6 32.7 49.1#
141 0.0 11.5 17.3#

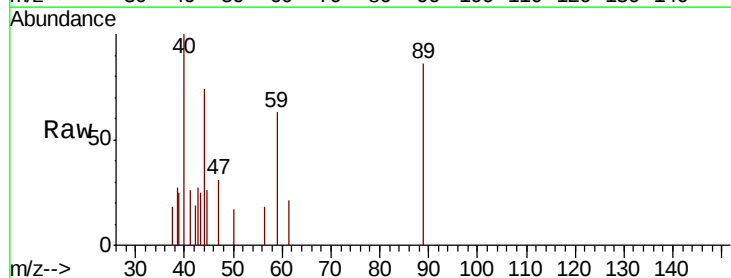


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

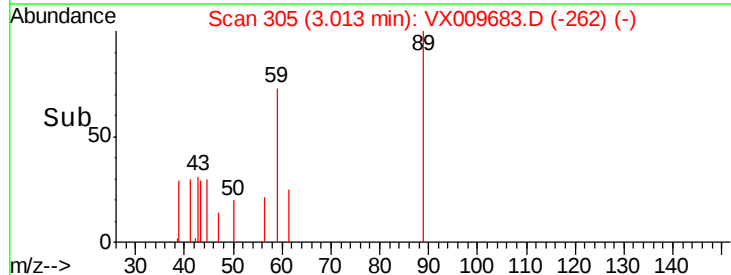
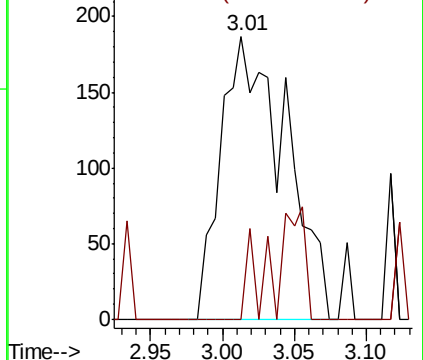


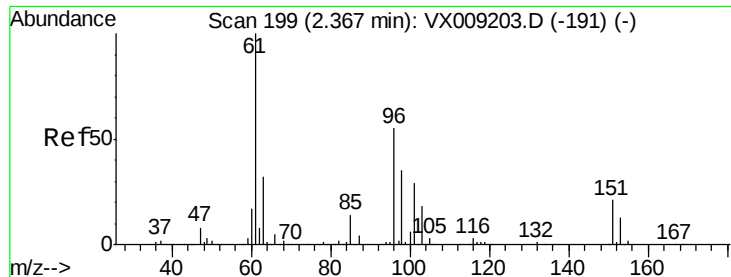
#11
Tert butyl alcohol
Concen: 1.136 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009683.D
Acq: 17 May 2019 23:37

Tgt Ion: 59 Resp: 585
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 1.610 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW727-190515

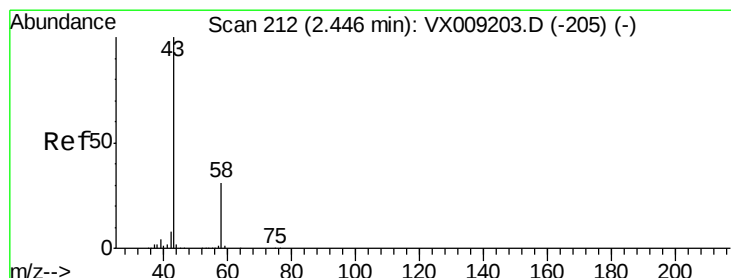
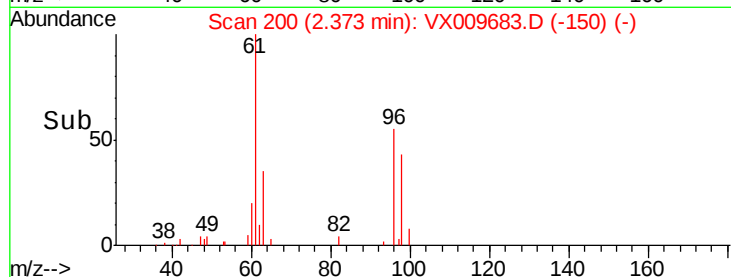
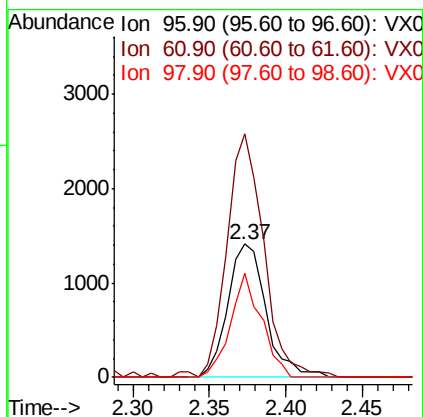
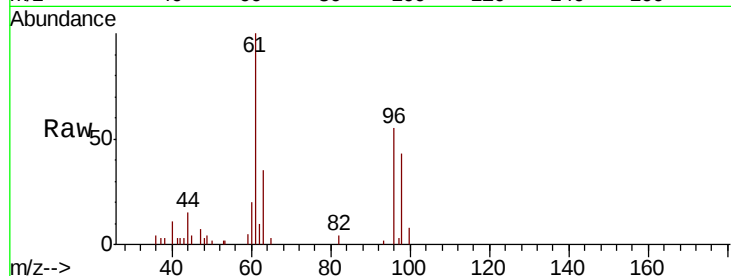
Tot Ion: 96 Resp: 2462

Ion Ratio Lower Upper

96 100

61 182.4 144.3 216.5

98 77.7 50.3 75.5#



#16

Acetone

Concen: 0.903 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009683.D

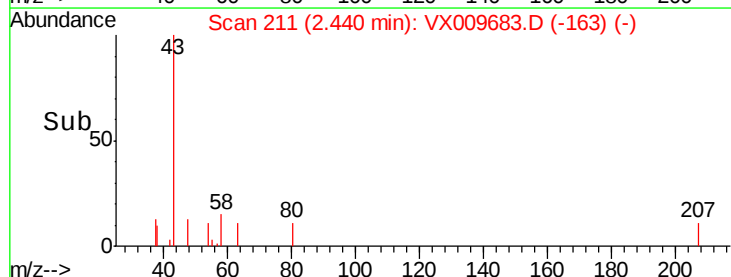
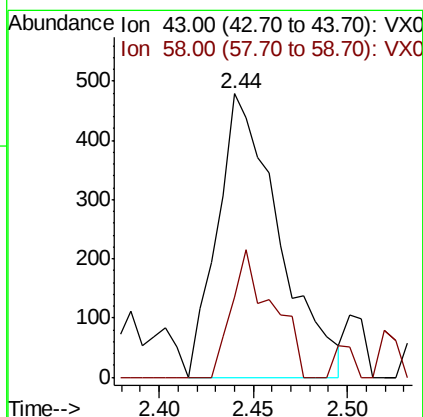
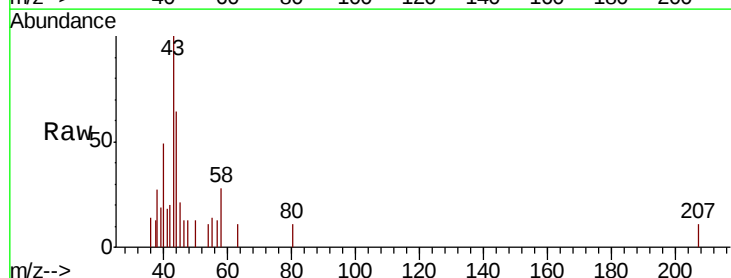
Acq: 17 May 2019 23:37

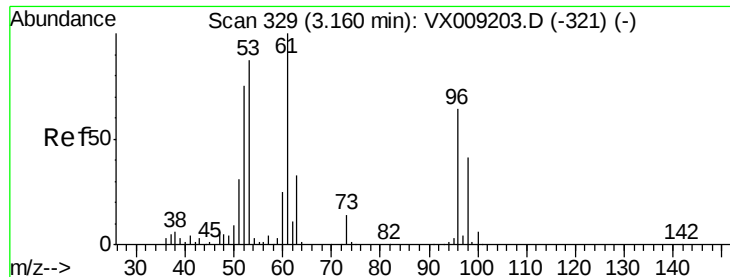
Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

58 28.5 24.9 37.3





#21

trans-1,2-Dichloroethene

Concen: 0.665 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW727-190515

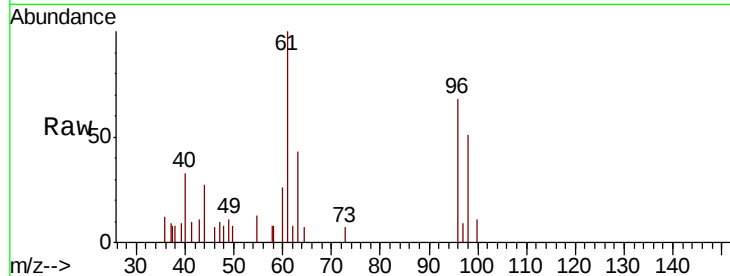
Tot Ion: 96 Resp: 1102

Ion Ratio Lower Upper

96 100

61 146.9 124.5 186.7

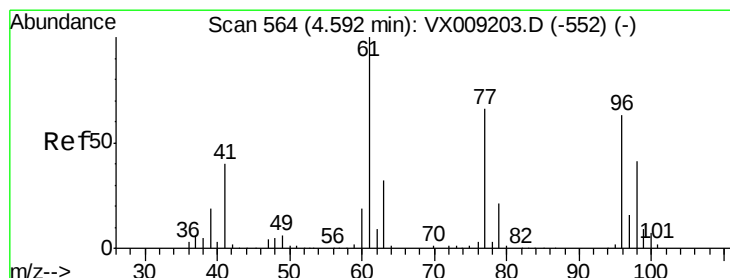
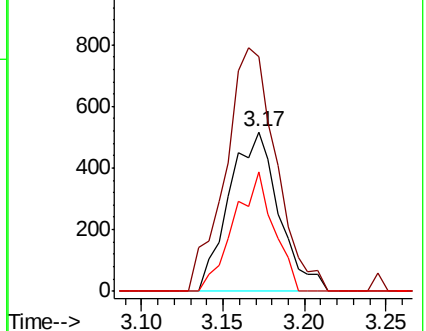
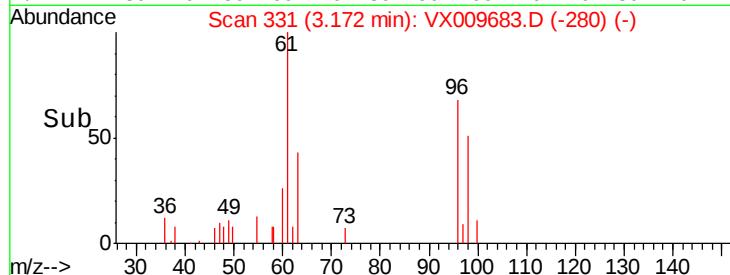
98 75.1 50.4 75.6



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



#27

cis-1,2-Dichloroethene

Concen: 4.464 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

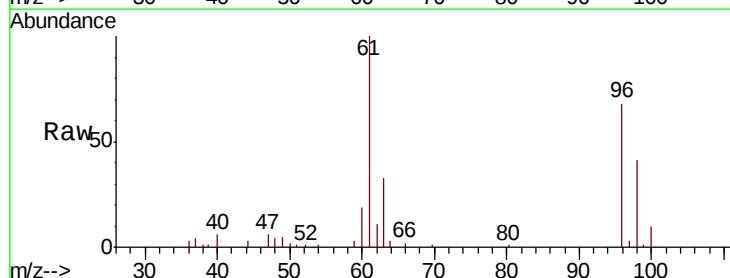
Tgt Ion: 96 Resp: 8836

Ion Ratio Lower Upper

96 100

61 147.7 0.0 324.0

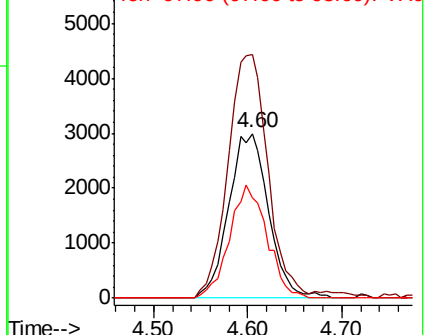
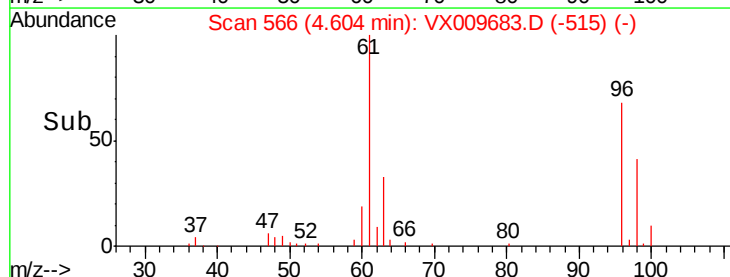
98 64.4 0.0 130.4

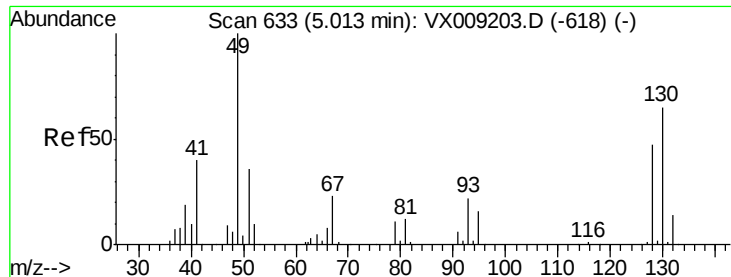


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW727-190515

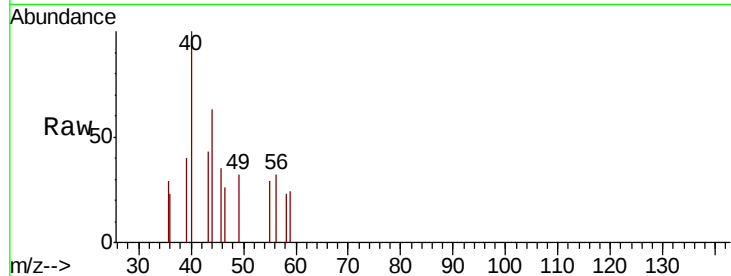
Tot Ion: 49 Resp: 114

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

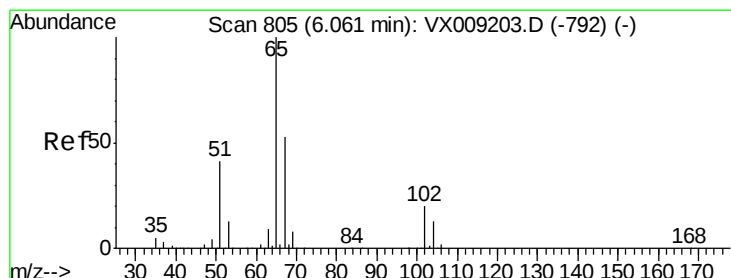
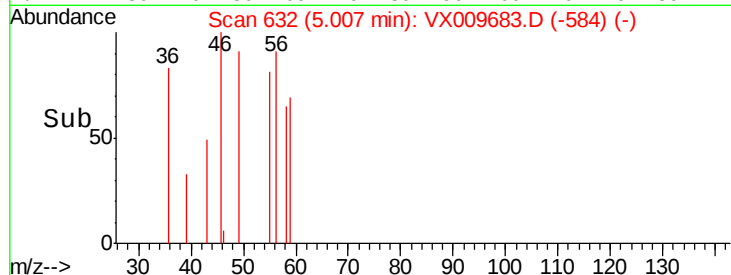
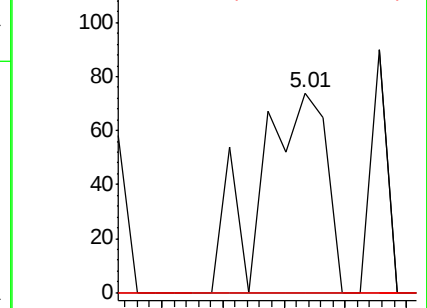
130 0.0 51.2 76.8#



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



#33

1,2-Dichloroethane-d4

Concen: 49.400 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009683.D

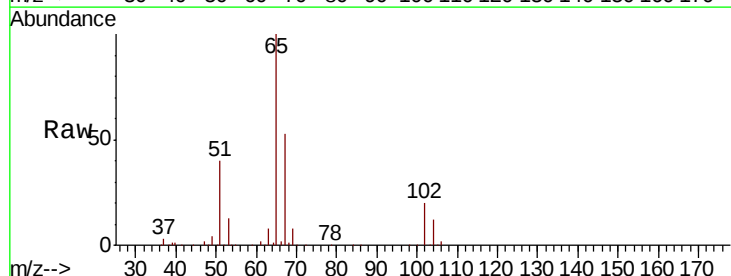
Acq: 17 May 2019 23:37

Tgt Ion: 65 Resp: 109894

Ion Ratio Lower Upper

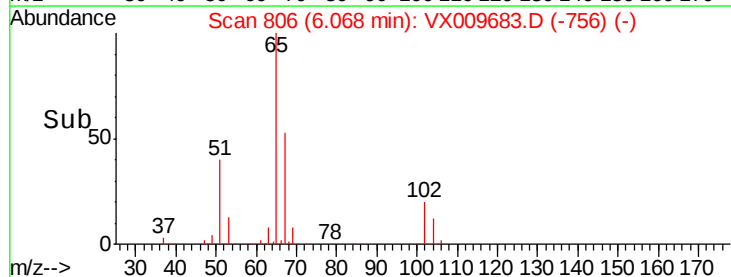
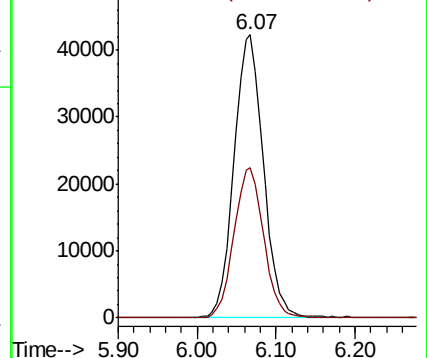
65 100

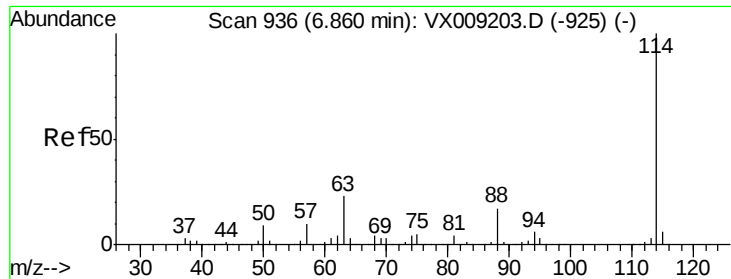
67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

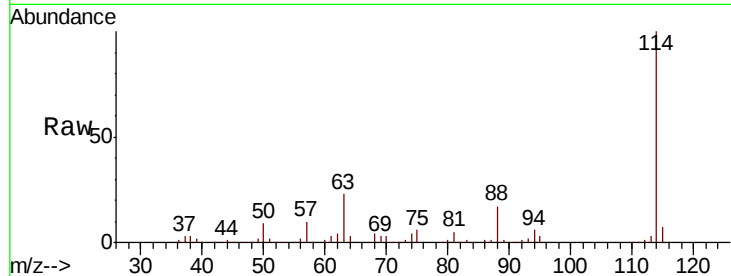




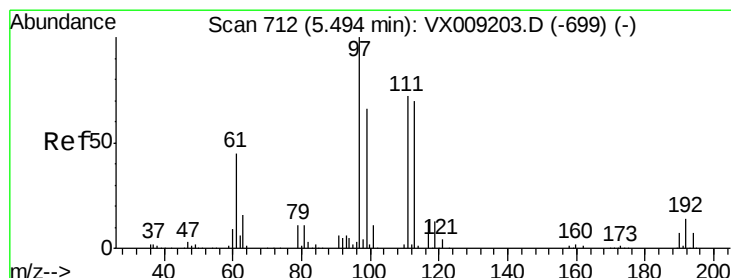
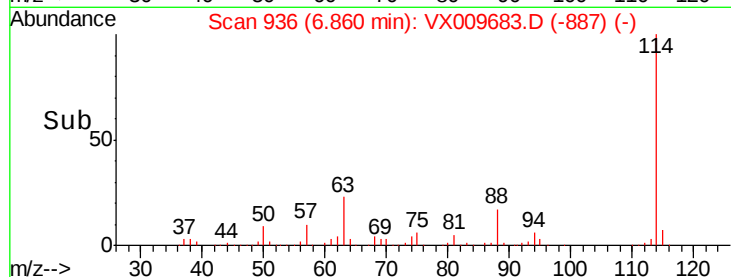
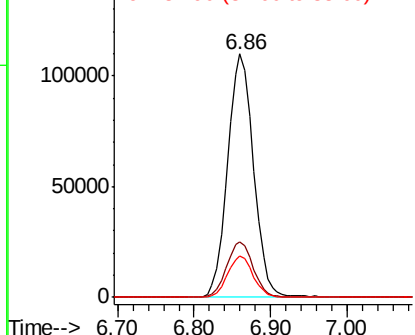
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX009683.D
Acq: 17 May 2019 23:37

Instrument :
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Tot Ion:114 Resp: 257606
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.6
88 17.0 0.0 33.2

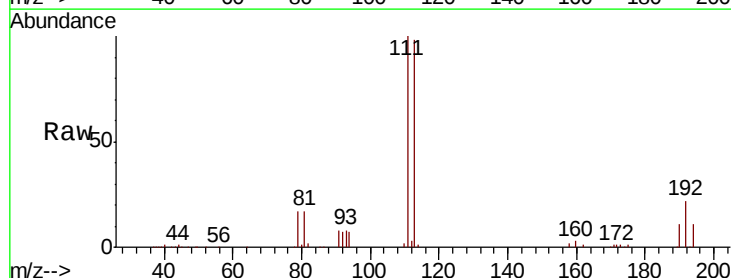


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

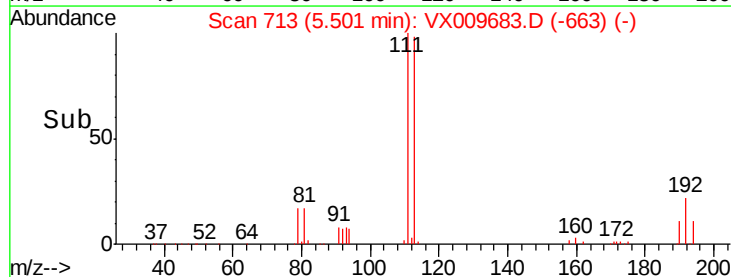
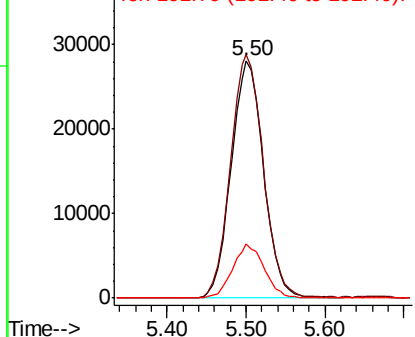


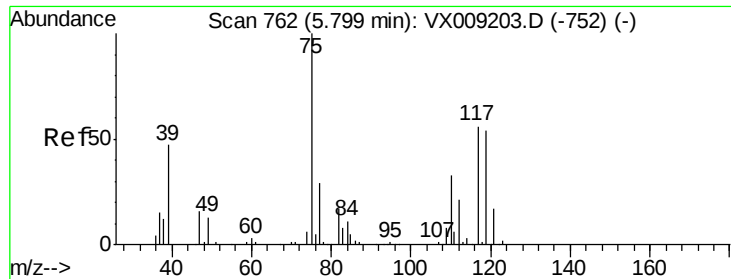
#35
Dibromofluoromethane
Concen: 49.616 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009683.D
Acq: 17 May 2019 23:37

Tgt Ion:113 Resp: 80349
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 21.9 17.0 25.6



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: 5.365 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW727-190515

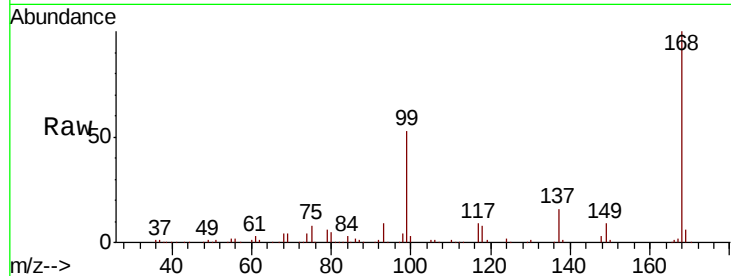
Tot Ion: 75 Resp: 12843

Ion Ratio Lower Upper

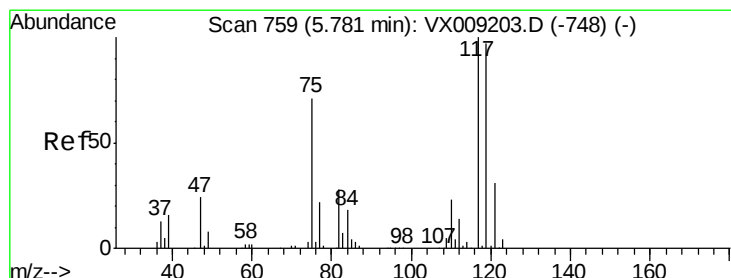
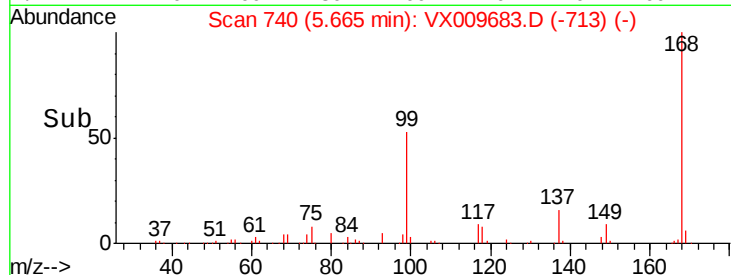
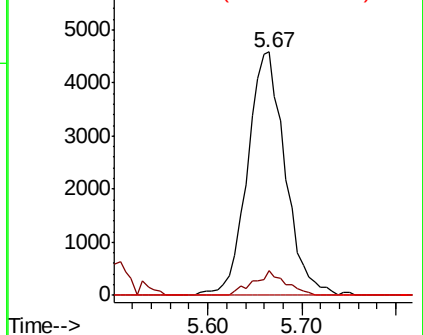
75 100

110 8.7 16.9 50.6#

77 0.0 24.8 37.2#



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: 7.011 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

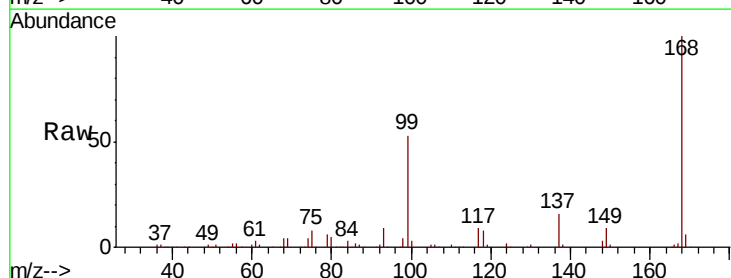
Tgt Ion: 117 Resp: 15250

Ion Ratio Lower Upper

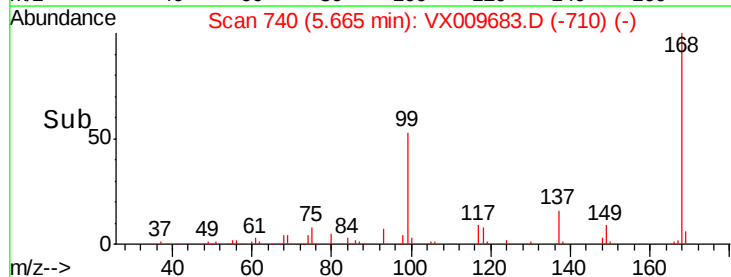
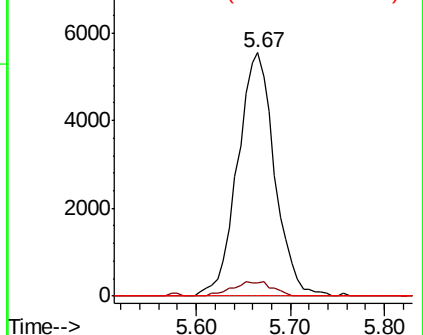
117 100

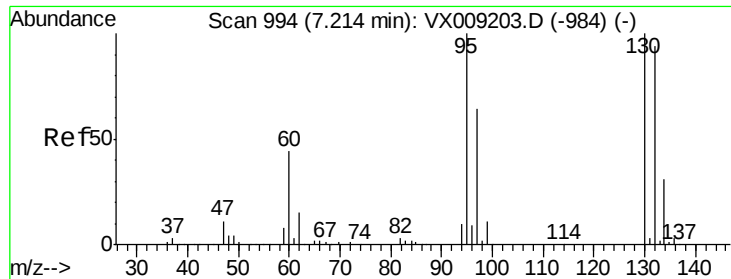
119 5.5 77.5 116.3#

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: 4.092 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

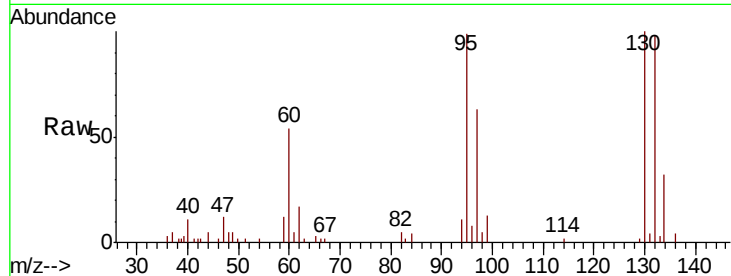
SS052MW727-190515

Tot Ion:130 Resp: 7330

Ion Ratio Lower Upper

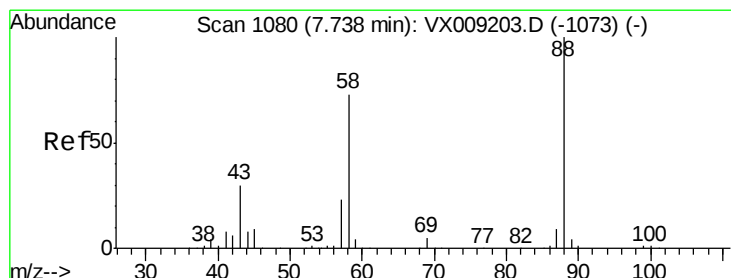
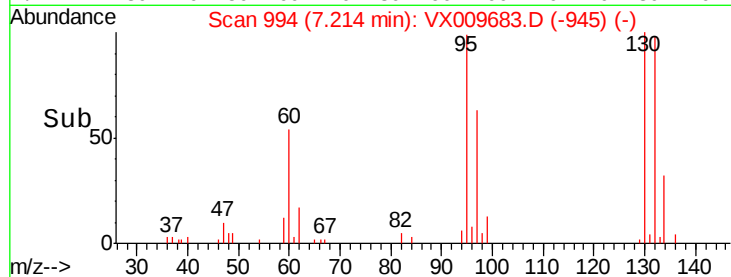
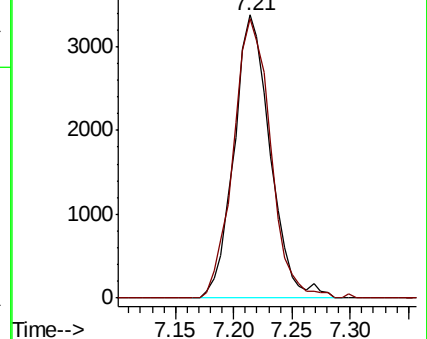
130 100

95 98.7 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: 0.447 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

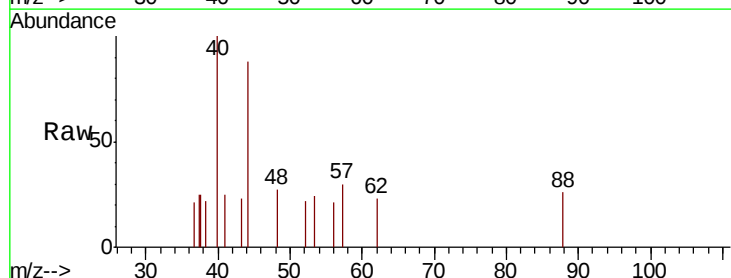
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

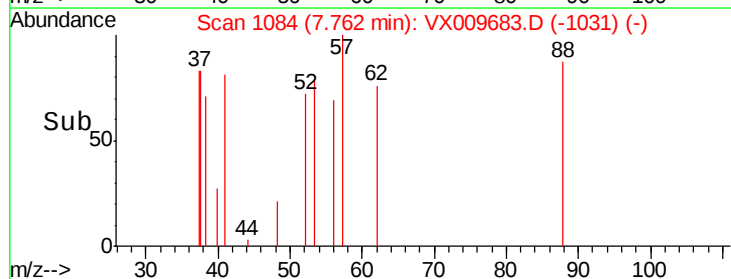
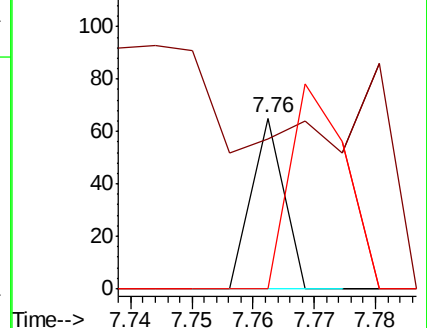
58 204.2 61.7 92.5#

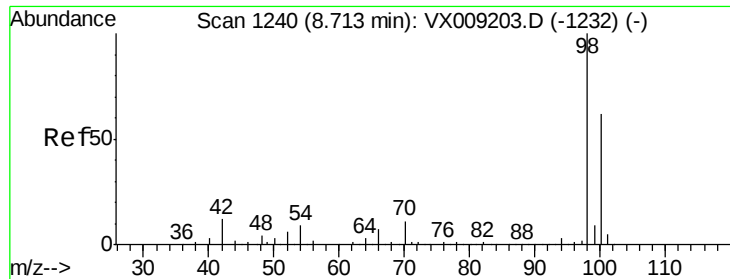


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.780 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

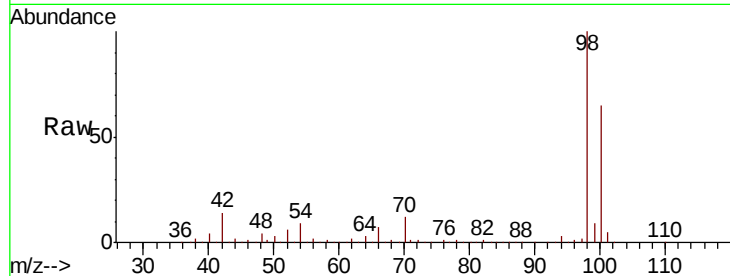
SS052MW727-190515

Tot Ion: 98 Resp: 325458

Ion Ratio Lower Upper

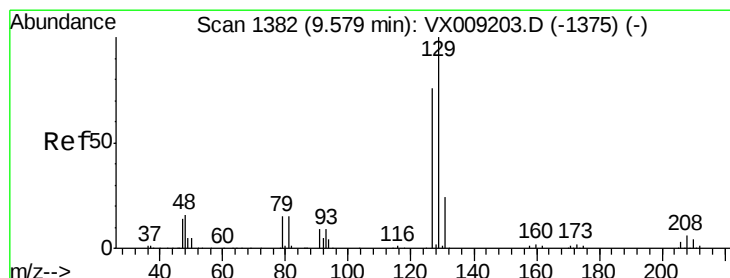
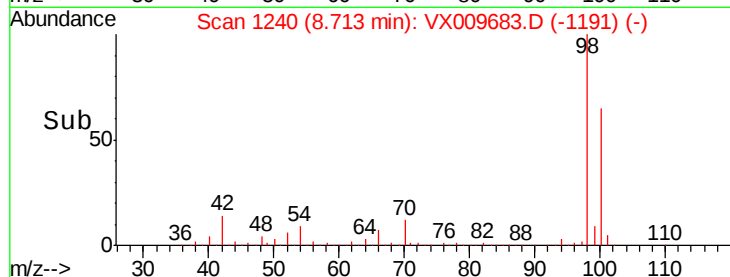
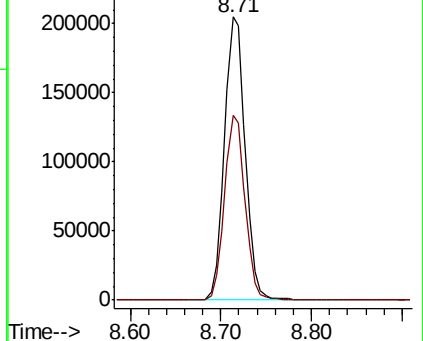
98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 7.373 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009683.D

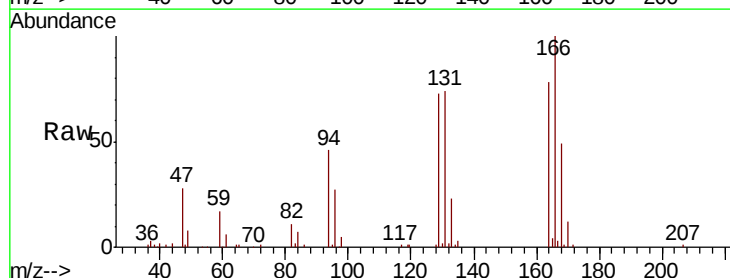
Acq: 17 May 2019 23:37

Tgt Ion:129 Resp: 13232

Ion Ratio Lower Upper

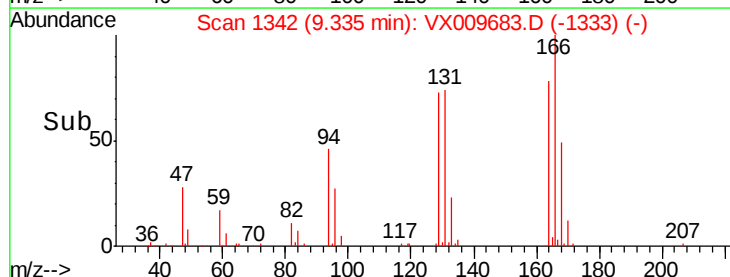
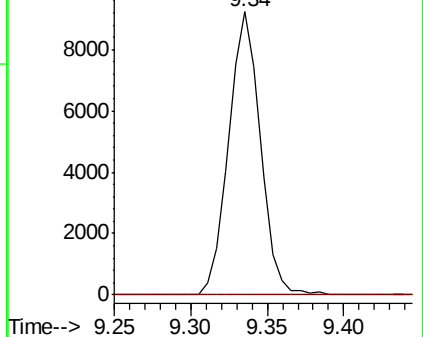
129 100

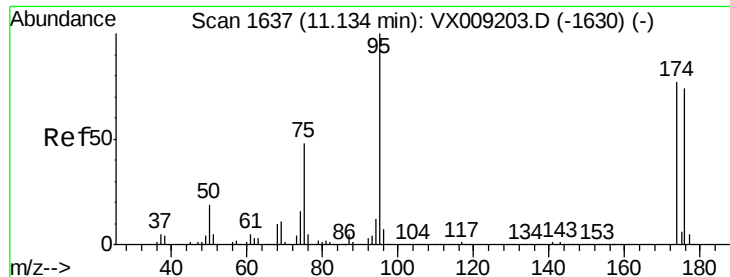
127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.984 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW727-190515

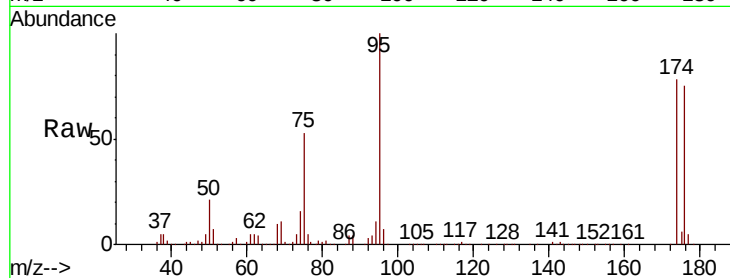
Tot Ion: 95 Resp: 109241

Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

176 80.3 0.0 159.2

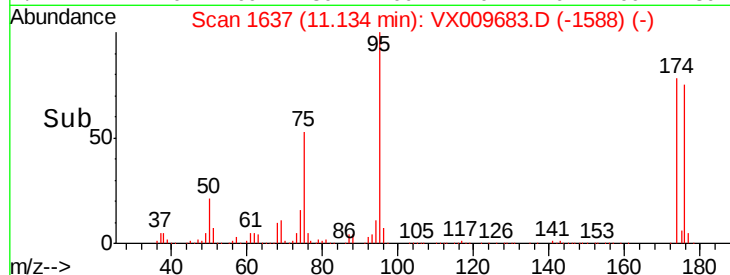


Abundance Ion 94.90 (94.60 to 95.60): VX009683.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009683.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009683.D (-1588) (-)

Time-->



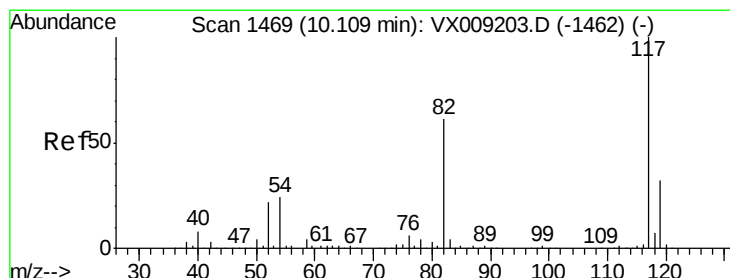
Abundance

Ion 94.90 (94.60 to 95.60): VX009683.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009683.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009683.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

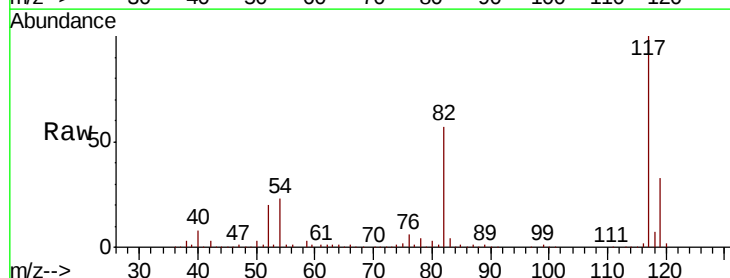
Tgt Ion: 117 Resp: 234184

Ion Ratio Lower Upper

117 100

82 56.6 48.8 73.2

119 32.8 25.8 38.6

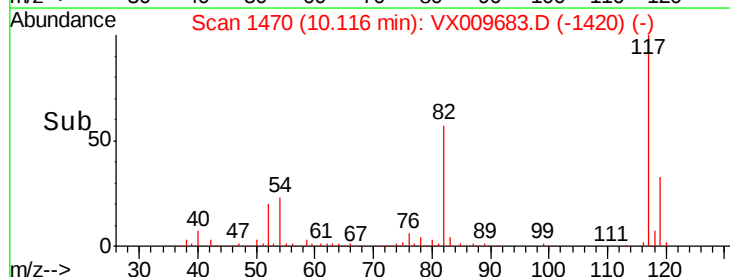


Abundance Ion 116.90 (116.60 to 117.60): VX009683.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009683.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009683.D (-1420) (-)

Time-->



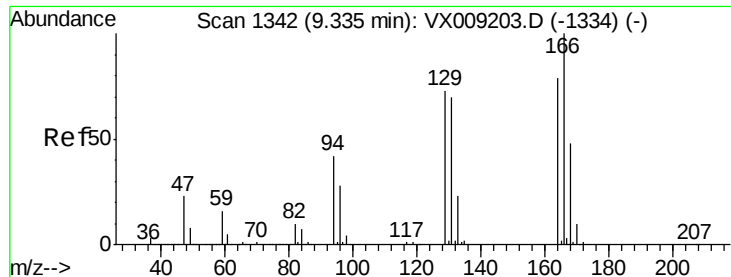
Abundance

Ion 116.90 (116.60 to 117.60): VX009683.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009683.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009683.D (-1420) (-)

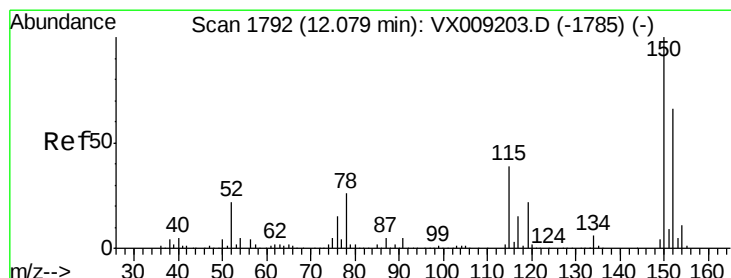
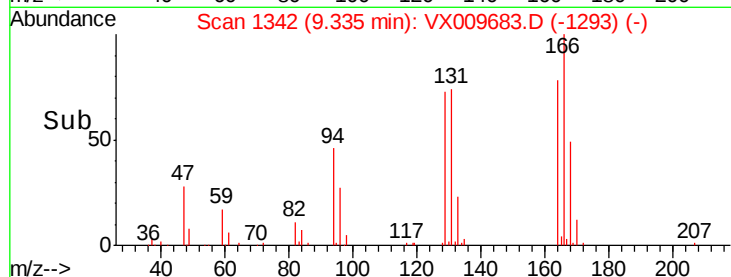
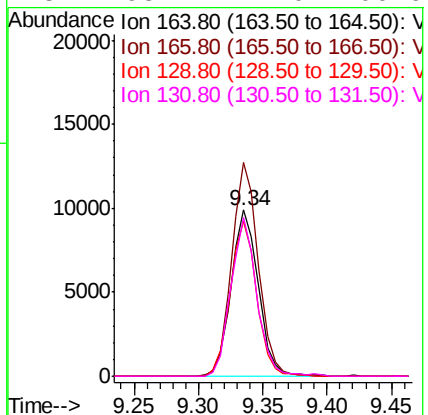
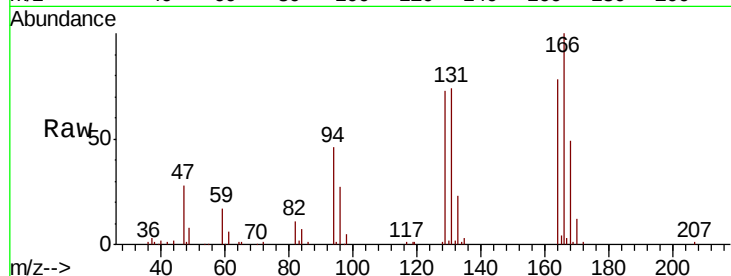
Time-->



#64
Tetrachloroethene
Concen: 9.129 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009683.D
Acq: 17 May 2019 23:37

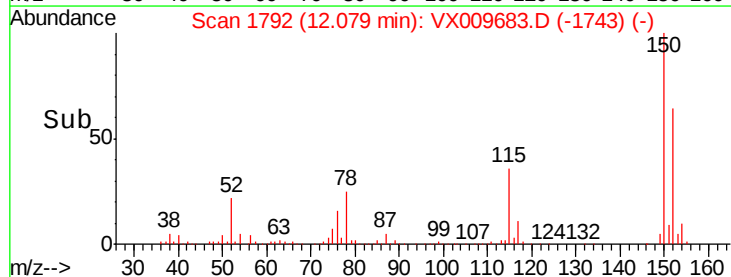
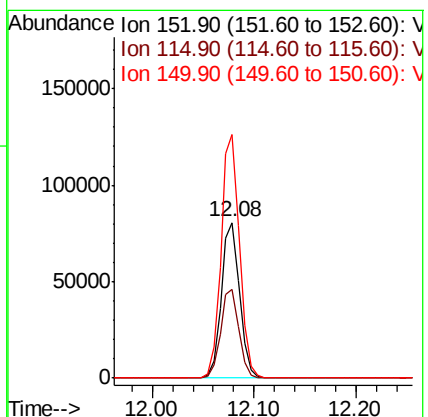
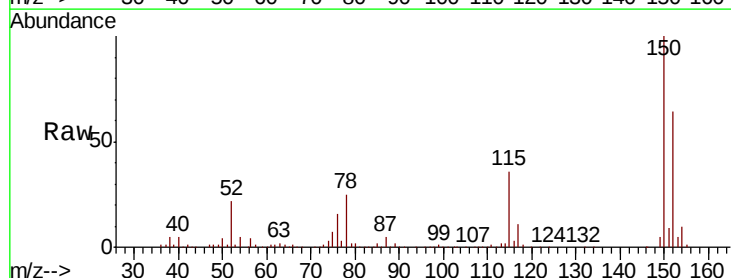
Instrument :
MSVOA_X
ClientSampleId :
SS052MW727-190515

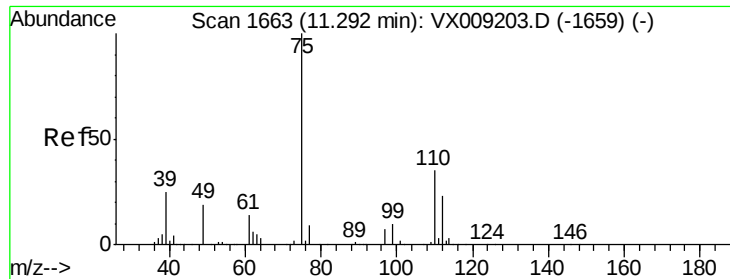
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.2	151.8
129	93.3	74.3	111.5
131	95.4	71.0	106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009683.D
Acq: 17 May 2019 23:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	41.2	123.6
150	157.8	0.0	346.4





#76

1,2,3-Trichloropropane

Concen: 24.375 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

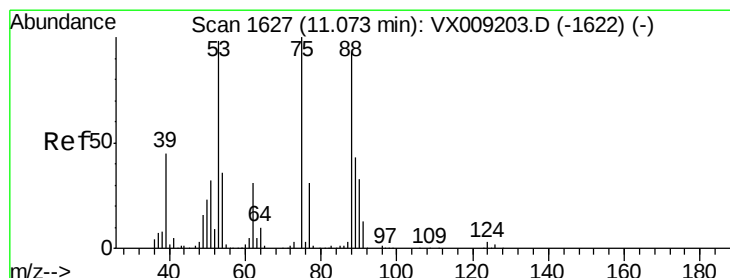
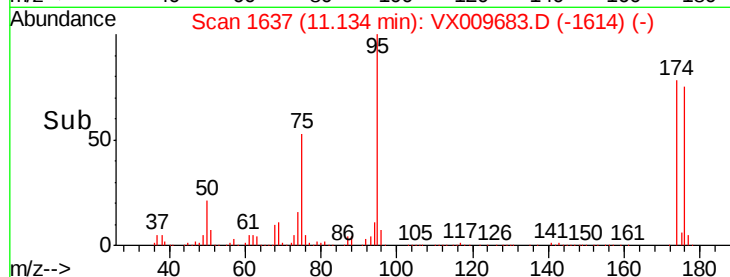
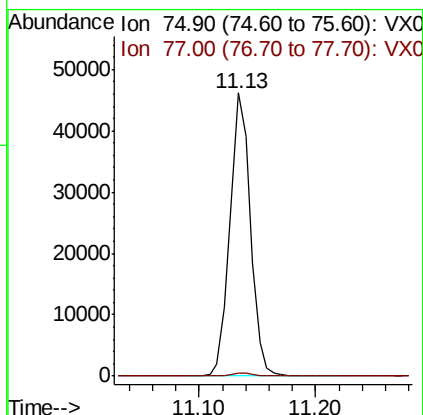
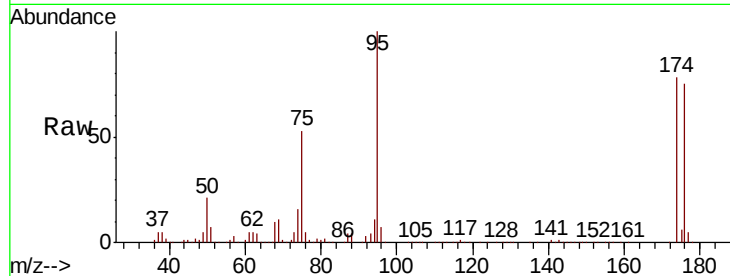
SS052MW727-190515

Tot Ion: 75 Resp: 56885

Ion Ratio Lower Upper

75 100

77 1.4 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.368 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009683.D

Acq: 17 May 2019 23:37

Tgt Ion: 75 Resp: 56885

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.1 34.7 52.1#

