

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009496.D
 Acq On : 10 May 2019 21:13
 Operator : JC/SP
 Sample : K2783-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW721-190508

Quant Time: May 11 03:32:17 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	179387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286751	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105178	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	118135	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	5.50	113	87012	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	8.71	98	360841	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	117504	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	

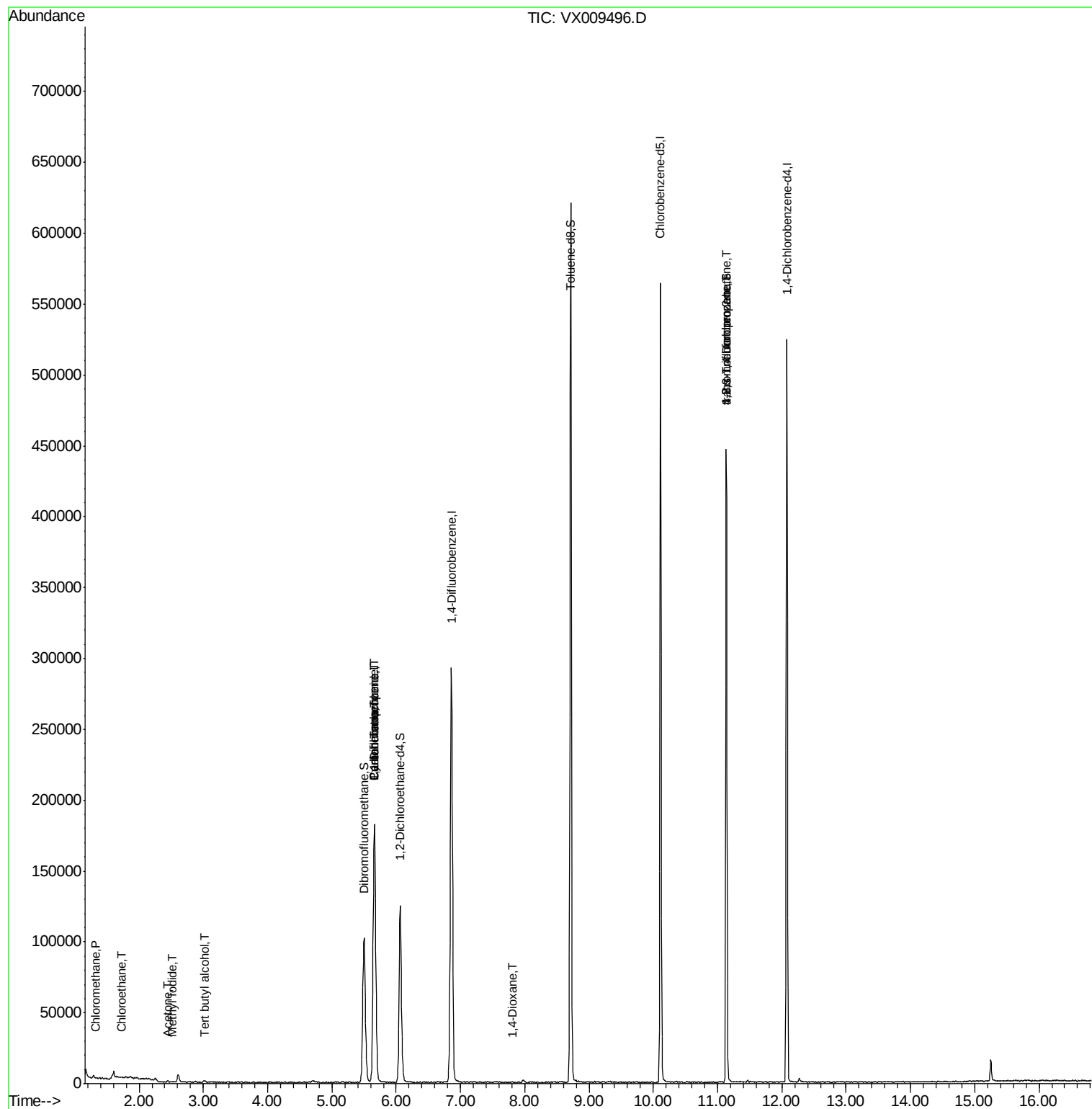
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	891	0.395	ug/l	97
6) Chloroethane	1.73	64	594	0.420	ug/l #	43
10) Methyl Iodide	2.51	142	117	4.648	ug/l #	42
11) Tert butyl alcohol	3.02	59	854	1.507	ug/l #	85
16) Acetone	2.44	43	736	0.560	ug/l	91
28) Bromochloromethane	5.10	49	20	Below Cal	#	20
31) Cyclohexane	5.65	56	3928	1.085	ug/l #	14
36) 1,1-Dichloropropene	5.67	75	14016	5.260	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16390	6.769	ug/l #	16
49) 1,4-Dioxane	7.81	88	42	0.703	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	59942	24.569	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59942	62.863	ug/l #	10

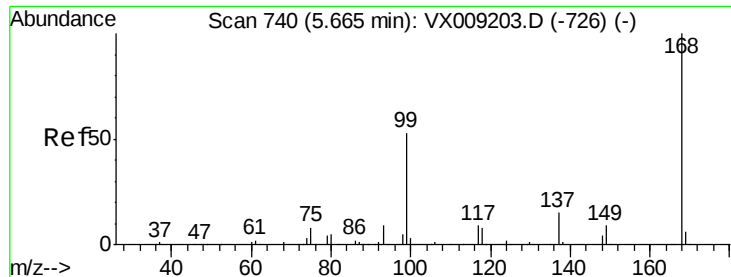
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 11 03:32:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

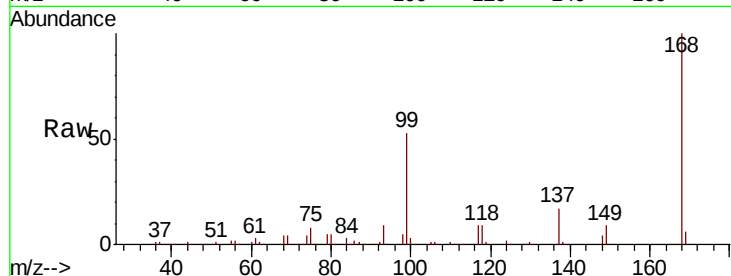
SS052MW721-190508

Tot Ion:168 Resp: 179387

Ion Ratio Lower Upper

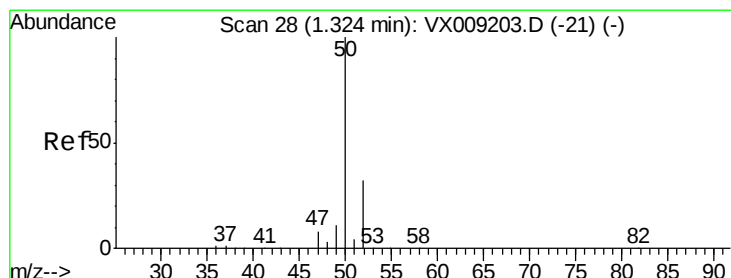
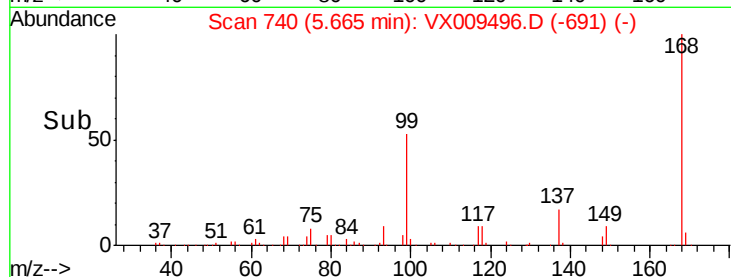
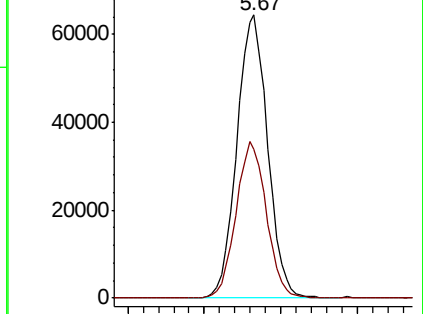
168 100

99 52.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.395 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009496.D

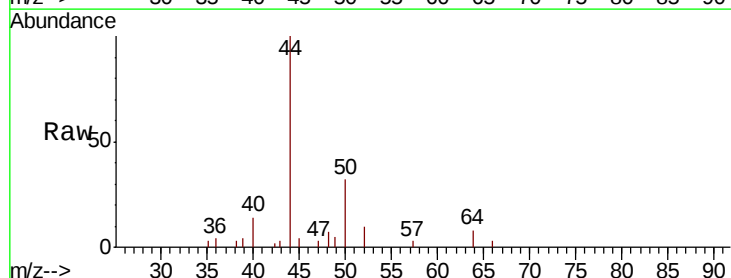
Acq: 10 May 2019 21:13

Tgt Ion: 50 Resp: 891

Ion Ratio Lower Upper

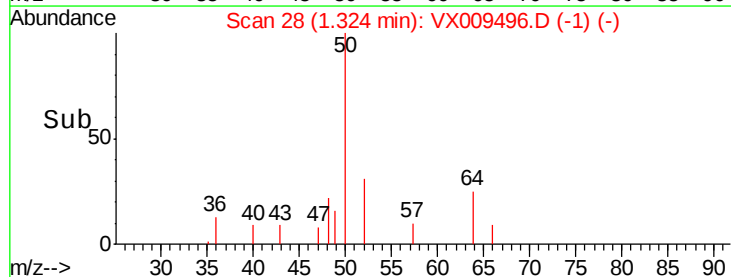
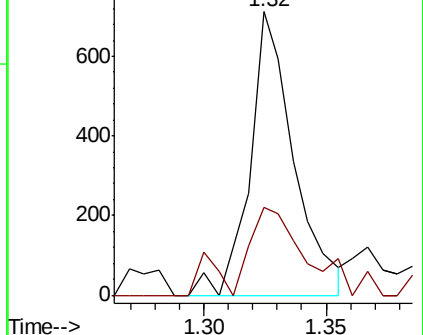
50 100

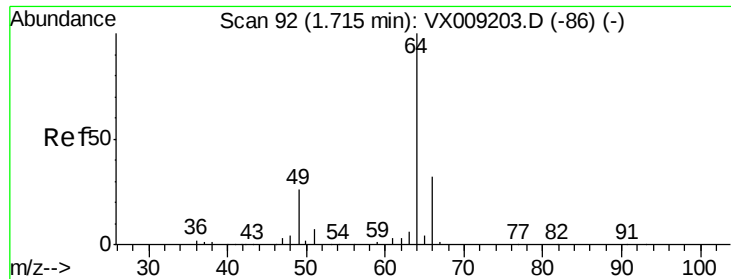
52 30.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.420 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

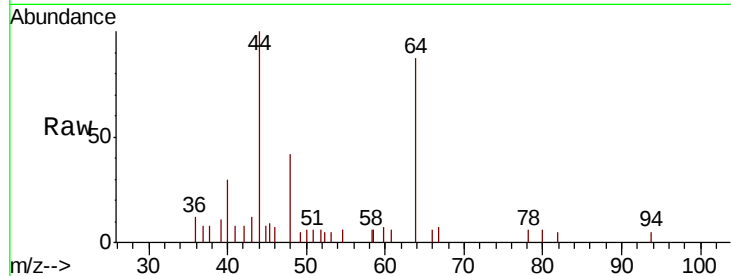
SS052MW721-190508

Tot Ion: 64 Resp: 594

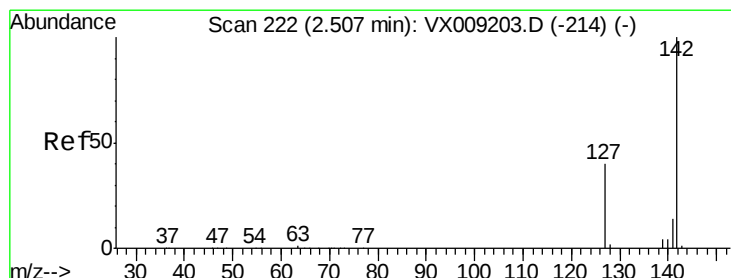
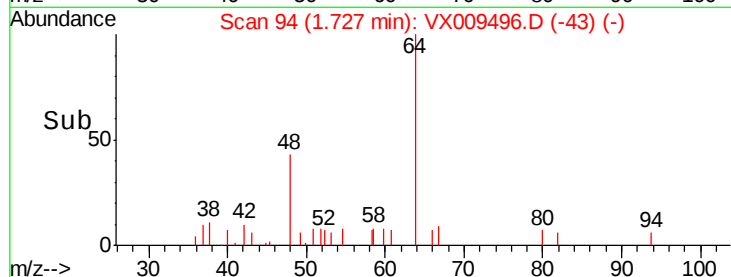
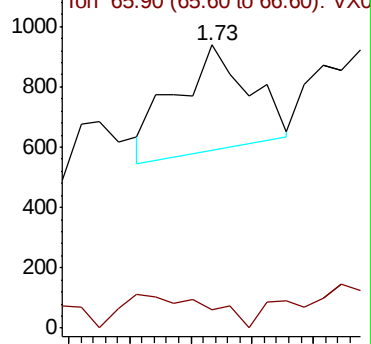
Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX009203.D (-86) (-)



#10

Methyl Iodide

Concen: 4.648 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

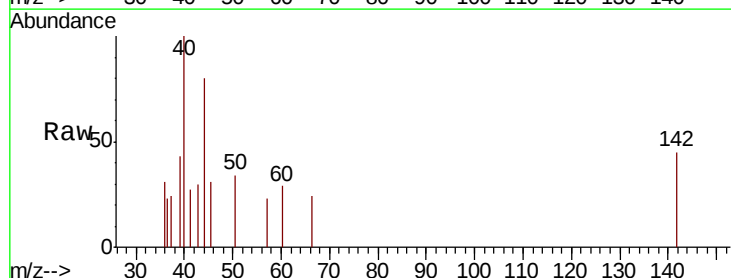
Tgt Ion: 142 Resp: 117

Ion Ratio Lower Upper

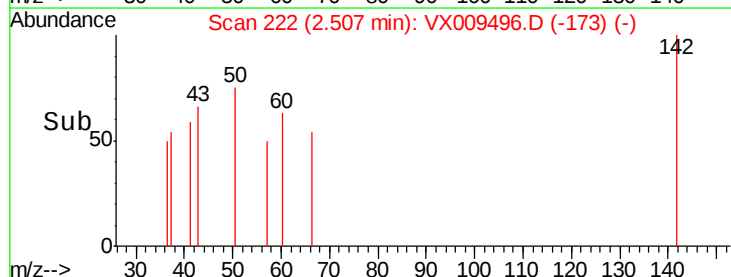
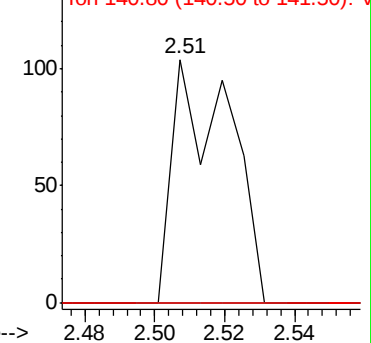
142 100

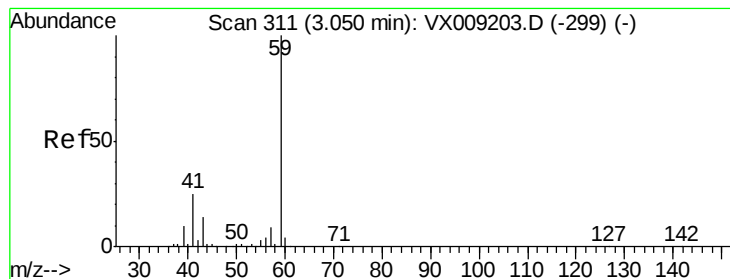
127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VX009203.D (-214) (-)





#11

Tert butyl alcohol

Concen: 1.507 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

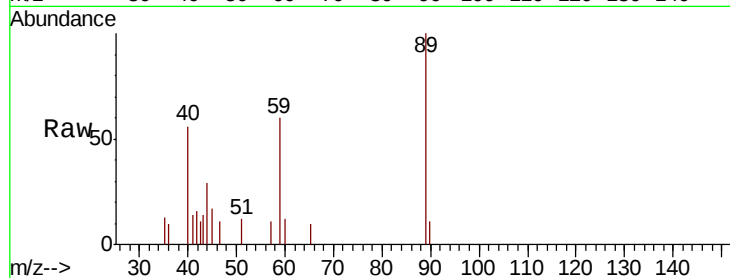
SS052MW721-190508

Tot Ion: 59 Resp: 854

Ion Ratio Lower Upper

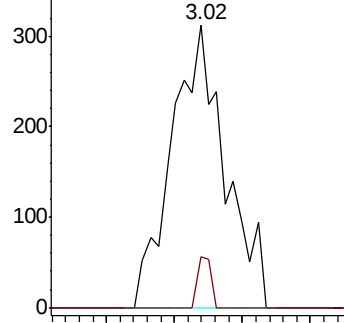
59 100

57 4.7 8.2 12.2#

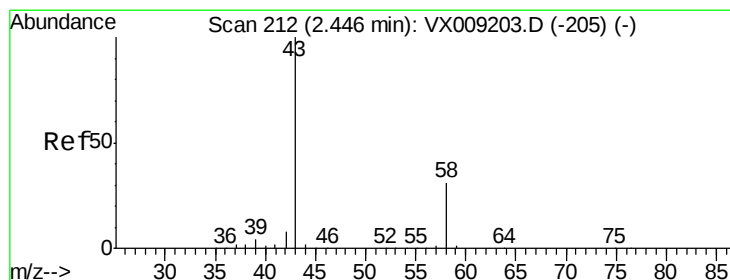
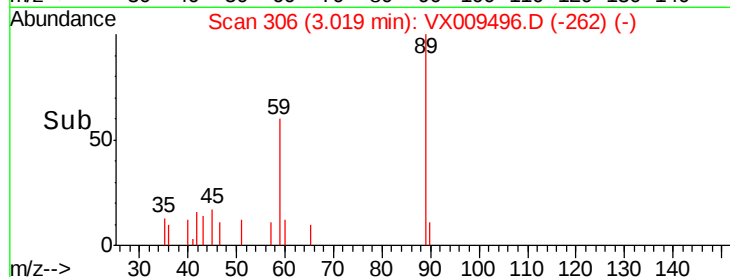


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#16

Acetone

Concen: 0.560 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009496.D

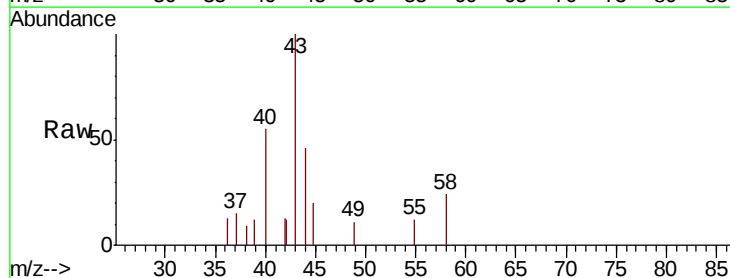
Acq: 10 May 2019 21:13

Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

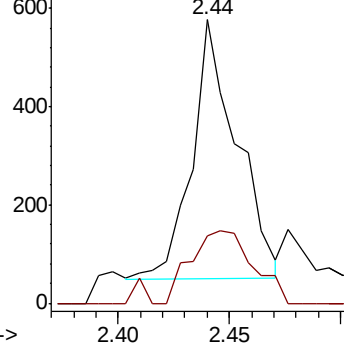
43 100

58 25.9 24.9 37.3

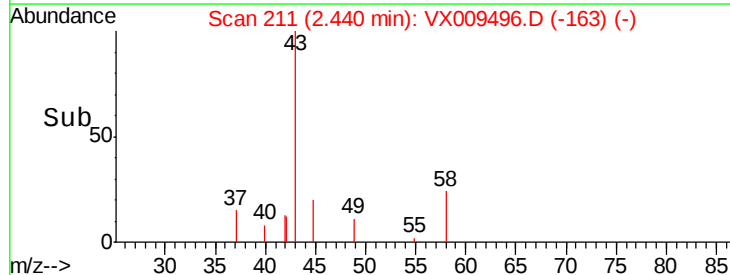


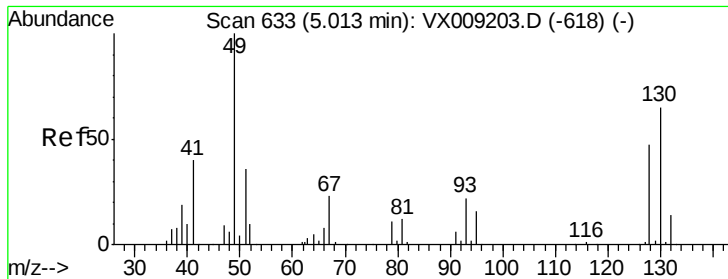
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.10 min Scan# 647

Delta R.T. 0.09 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

SS052MW721-190508

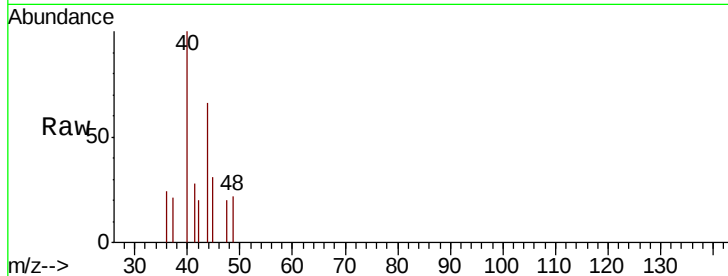
Tot Ion: 49 Resp: 20

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

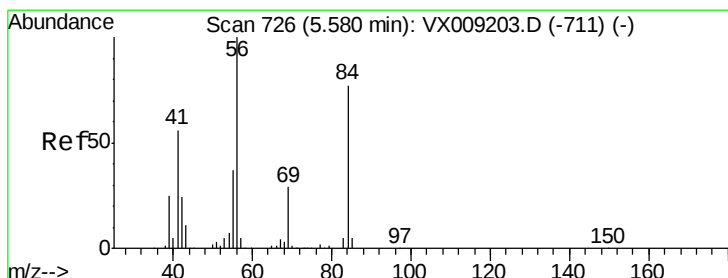
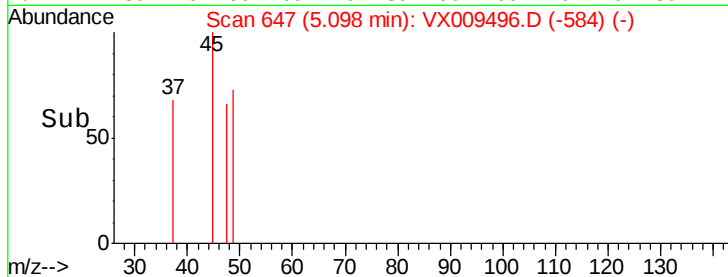
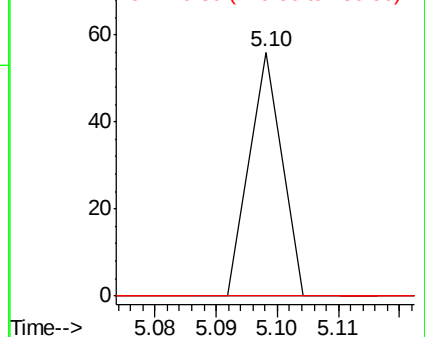
130 0.0 51.2 76.8#



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: 1.085 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

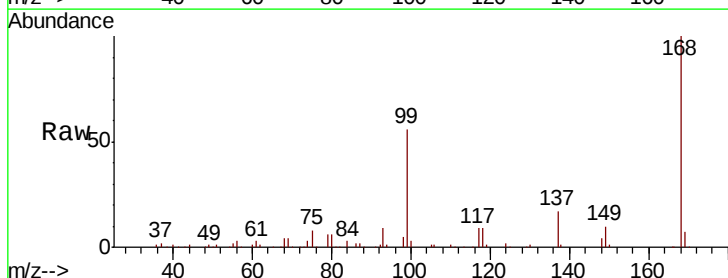
Tgt Ion: 56 Resp: 3928

Ion Ratio Lower Upper

56 100

69 140.0 23.4 35.0#

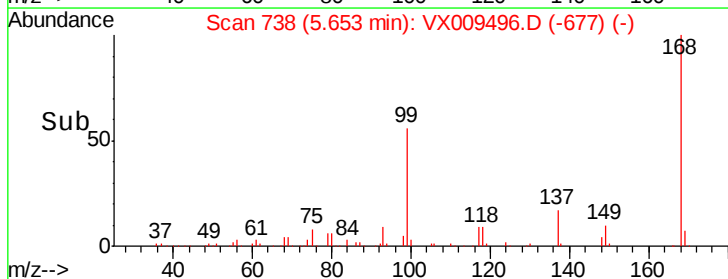
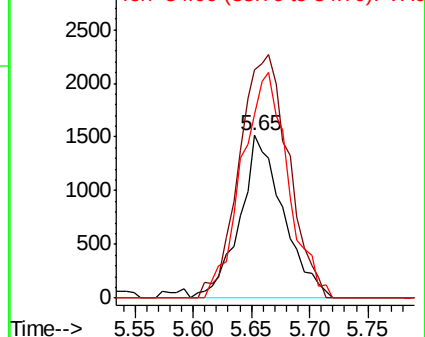
84 112.5 61.9 92.9#

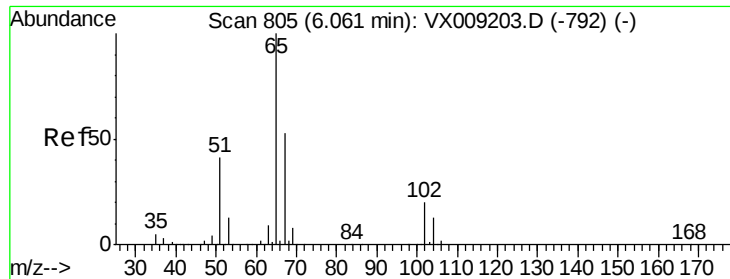


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.241 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

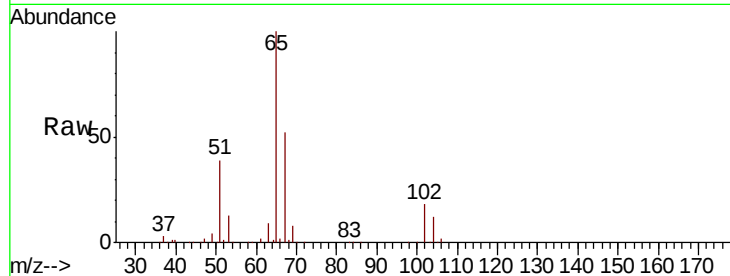
SS052MW721-190508

Tot Ion: 65 Resp: 118135

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

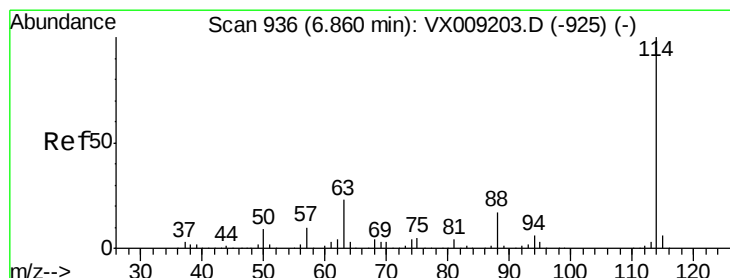
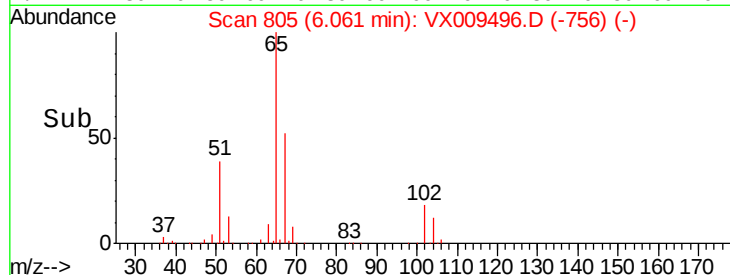
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

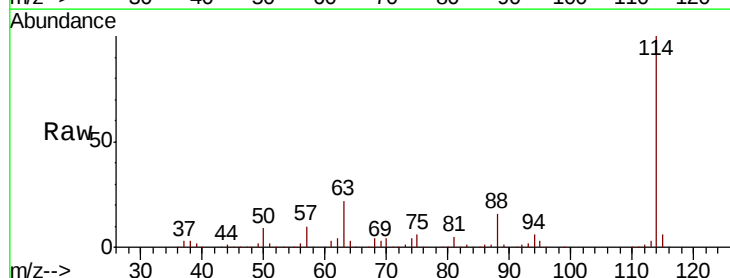
Tgt Ion: 114 Resp: 286751

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

88 16.3 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

150000

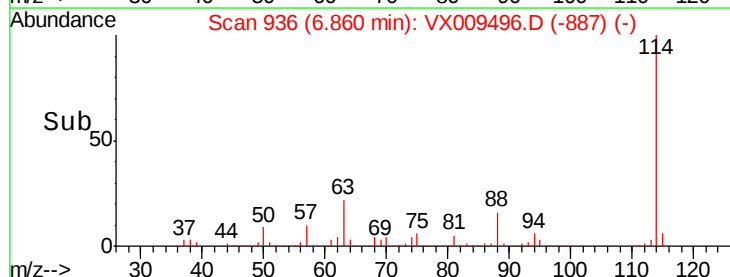
100000

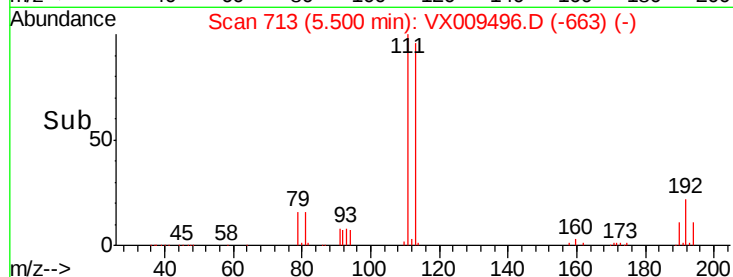
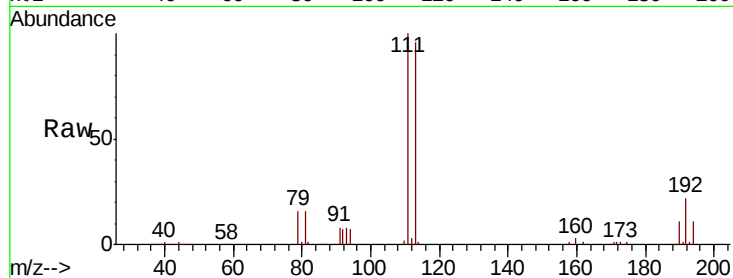
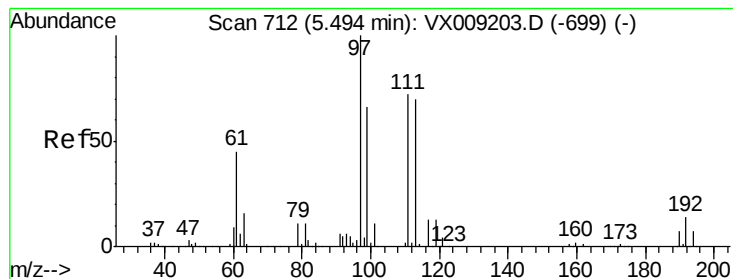
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.269 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

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ClientSampleId :

SS052MW721-190508

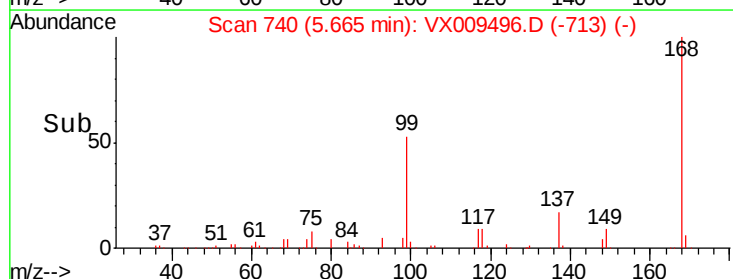
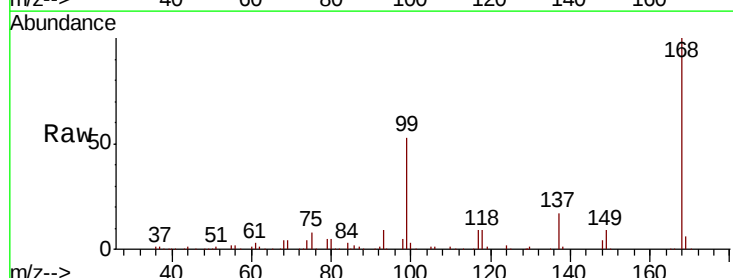
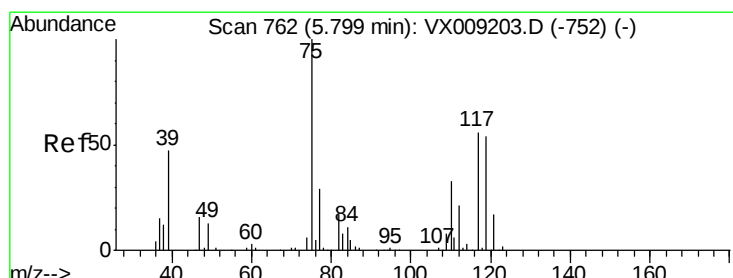
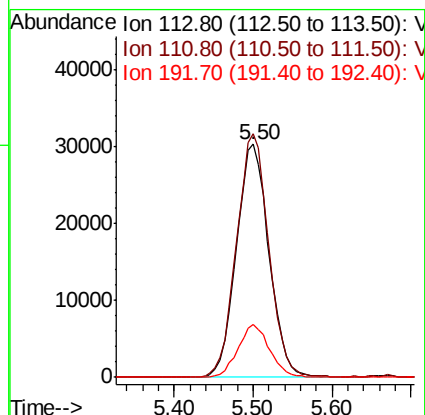
Tot Ion:113 Resp: 87012

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 21.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.260 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

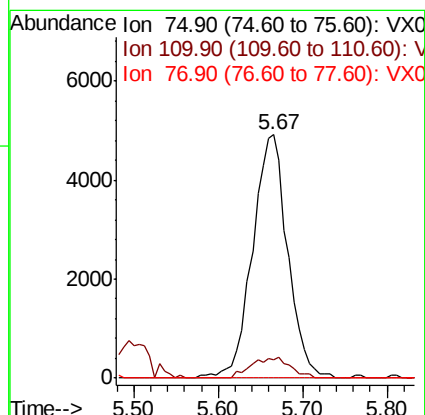
Tgt Ion: 75 Resp: 14016

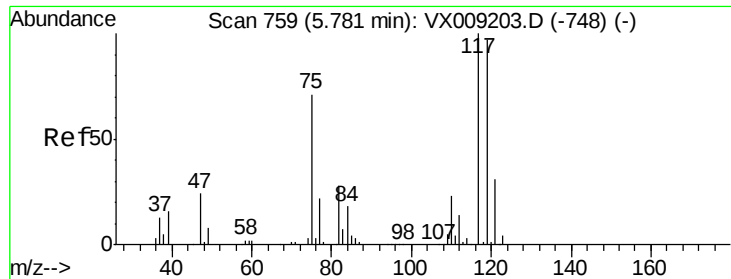
Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.769 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

SS052MW721-190508

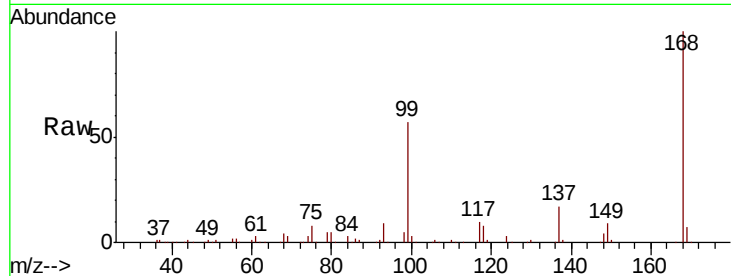
Tot Ion:117 Resp: 16390

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

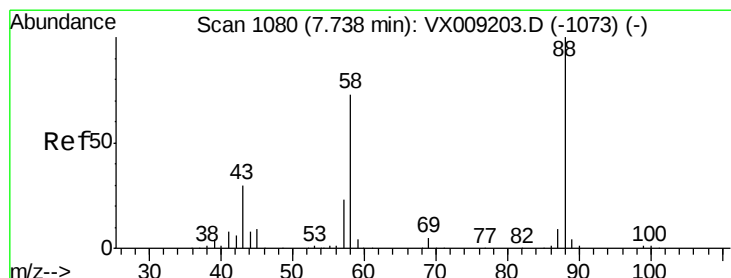
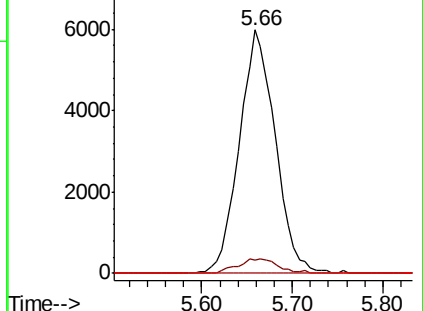
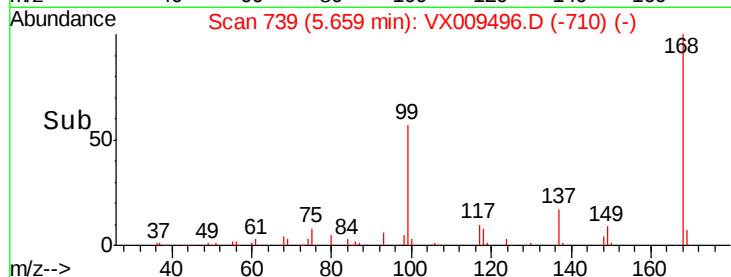
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.703 ug/l

RT: 7.81 min Scan# 1092

Delta R.T. 0.07 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

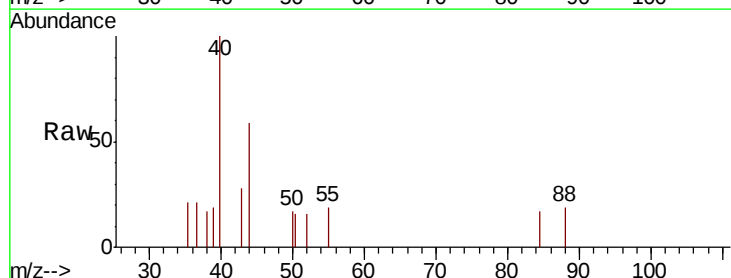
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 61.9 28.6 42.8#

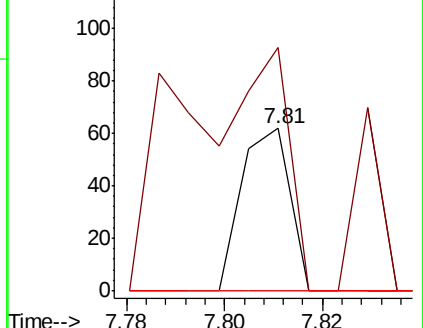
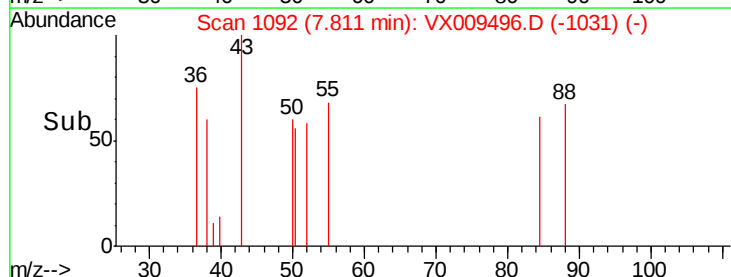
58 0.0 61.7 92.5#

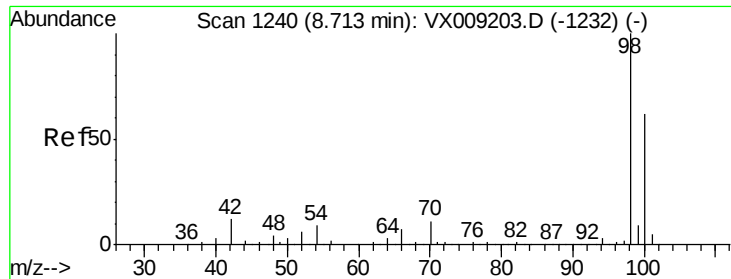


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.582 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

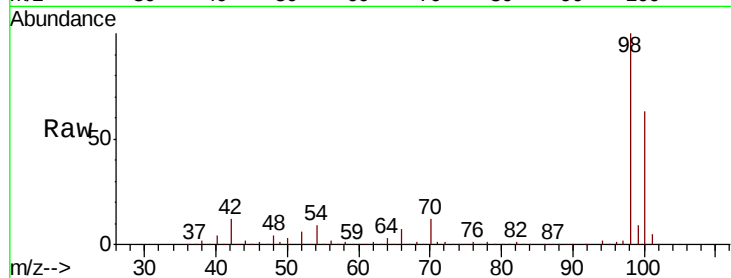
SS052MW721-190508

Tot Ion: 98 Resp: 360841

Ion Ratio Lower Upper

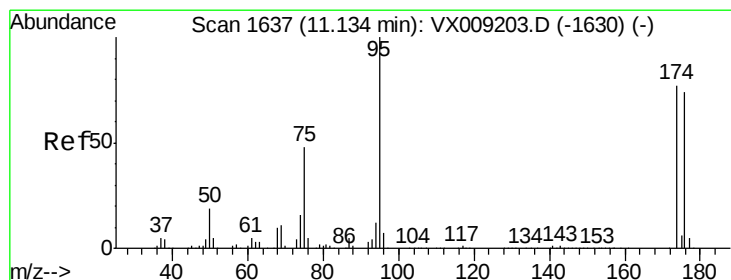
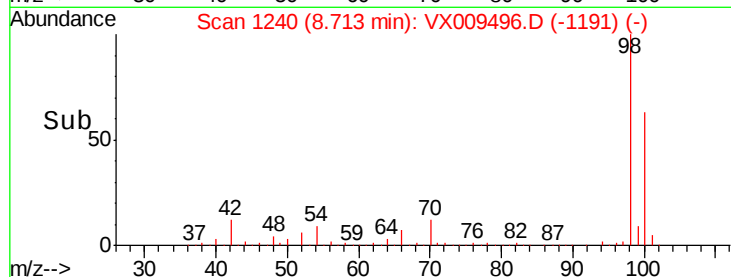
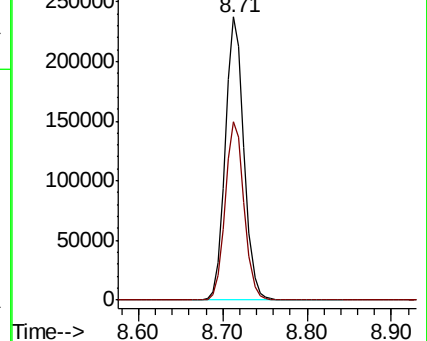
98 100

100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.435 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

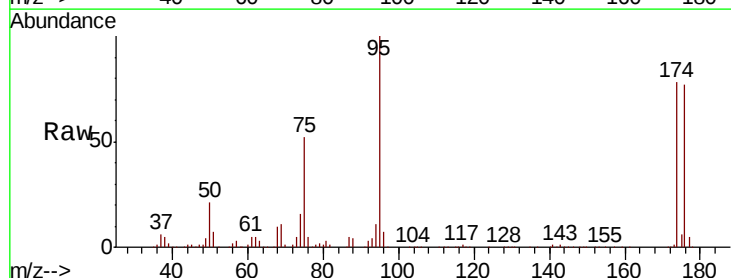
Tgt Ion: 95 Resp: 117504

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

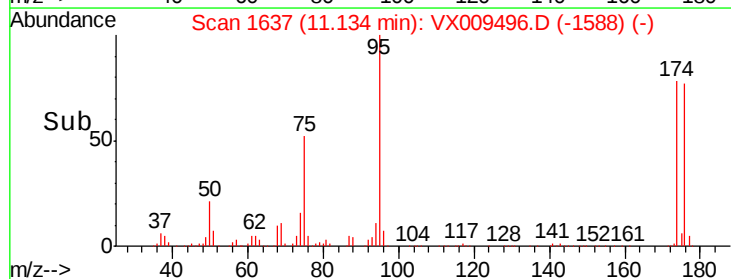
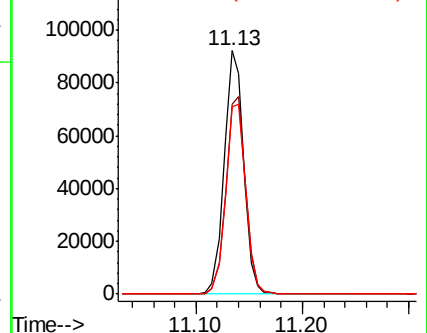
176 80.6 0.0 159.2

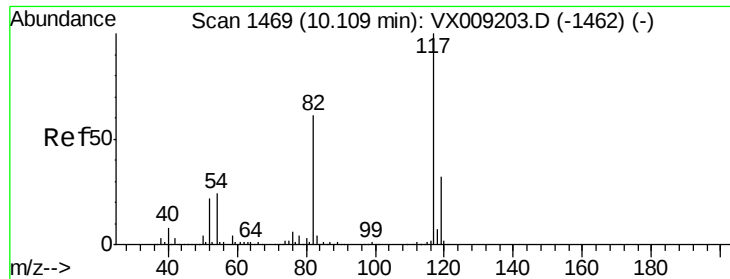


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

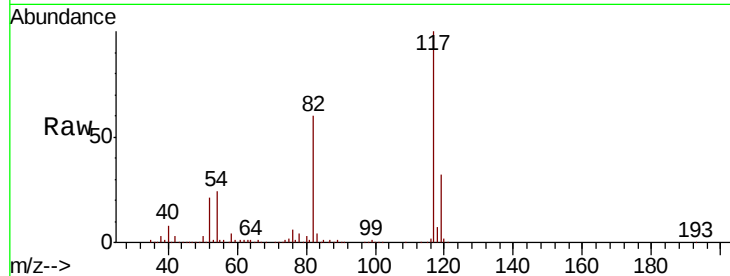




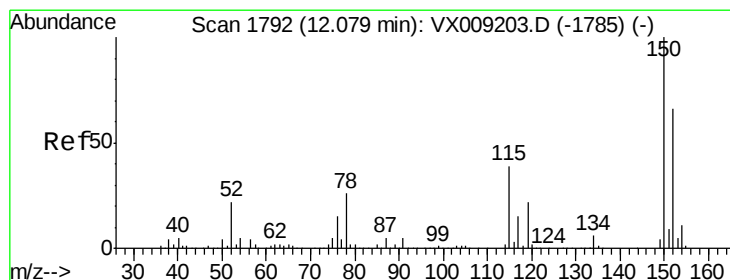
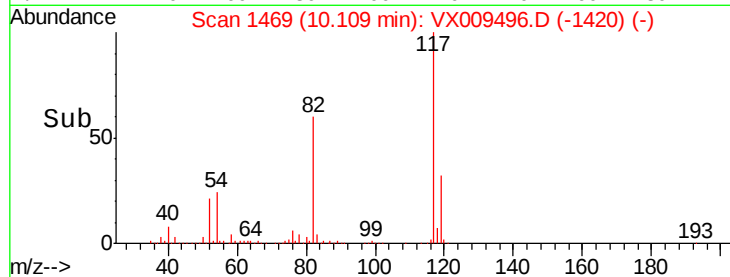
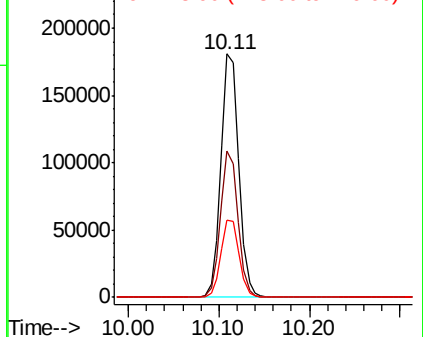
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009496.D
Acq: 10 May 2019 21:13

Instrument :
MSVOA_X
ClientSampleId :
SS052MW721-190508

Tot Ion:117 Resp: 249734
Ion Ratio Lower Upper
117 100
82 60.0 48.8 73.2
119 31.8 25.8 38.6

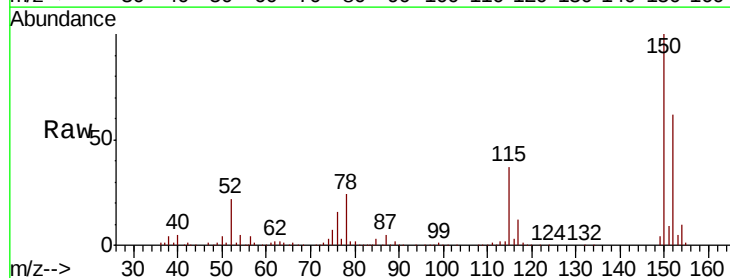


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

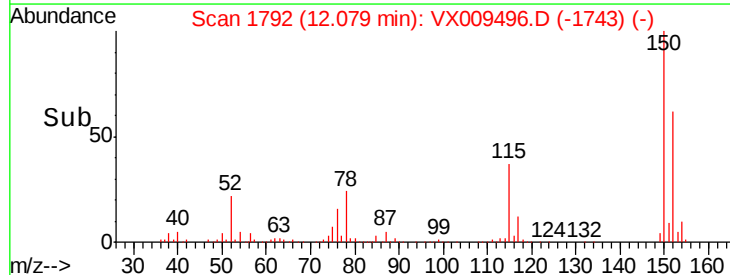
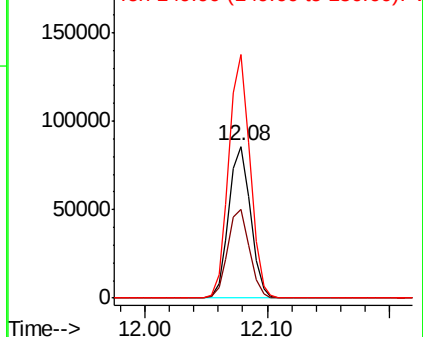


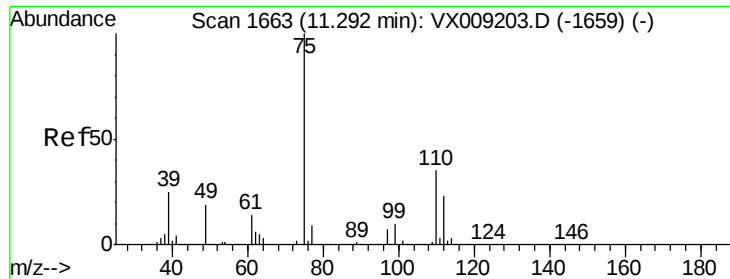
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009496.D
Acq: 10 May 2019 21:13

Tgt Ion:152 Resp: 105178
Ion Ratio Lower Upper
152 100
115 58.7 41.2 123.6
150 157.6 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: 24.569 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

Instrument :

MSVOA_X

ClientSampleId :

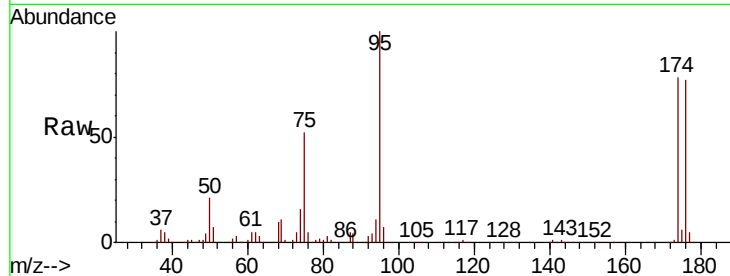
SS052MW721-190508

Tot Ion: 75 Resp: 59942

Ion Ratio Lower Upper

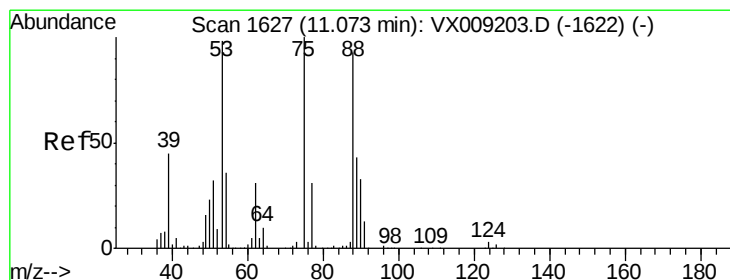
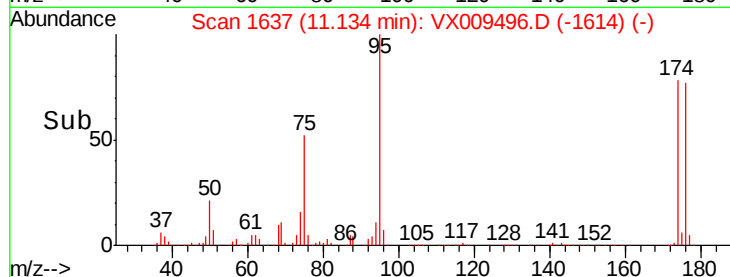
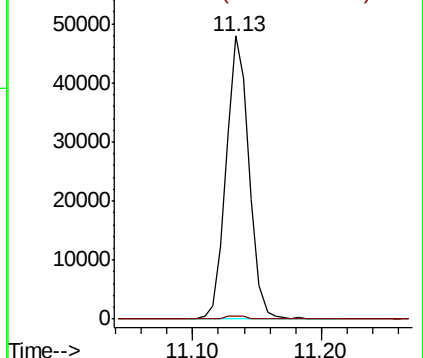
75 100

77 1.2 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: 62.863 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009496.D

Acq: 10 May 2019 21:13

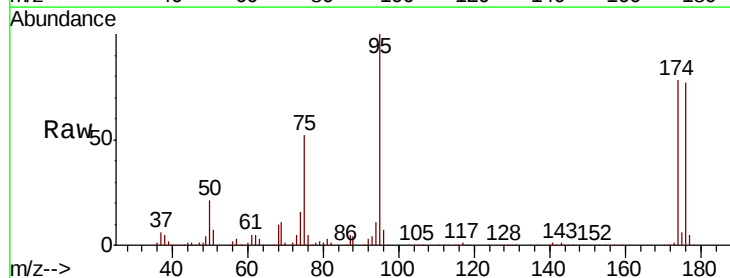
Tgt Ion: 75 Resp: 59942

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

