

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040819\
 Data File : VX008749.D
 Acq On : 08 Apr 2019 16:48
 Operator : JC/SP
 Sample : K2295-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW214-190403

Quant Time: Apr 09 06:45:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	184280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	261917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107166	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	129042	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	5.50	113	93739	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	386220	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.13	95	125037	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

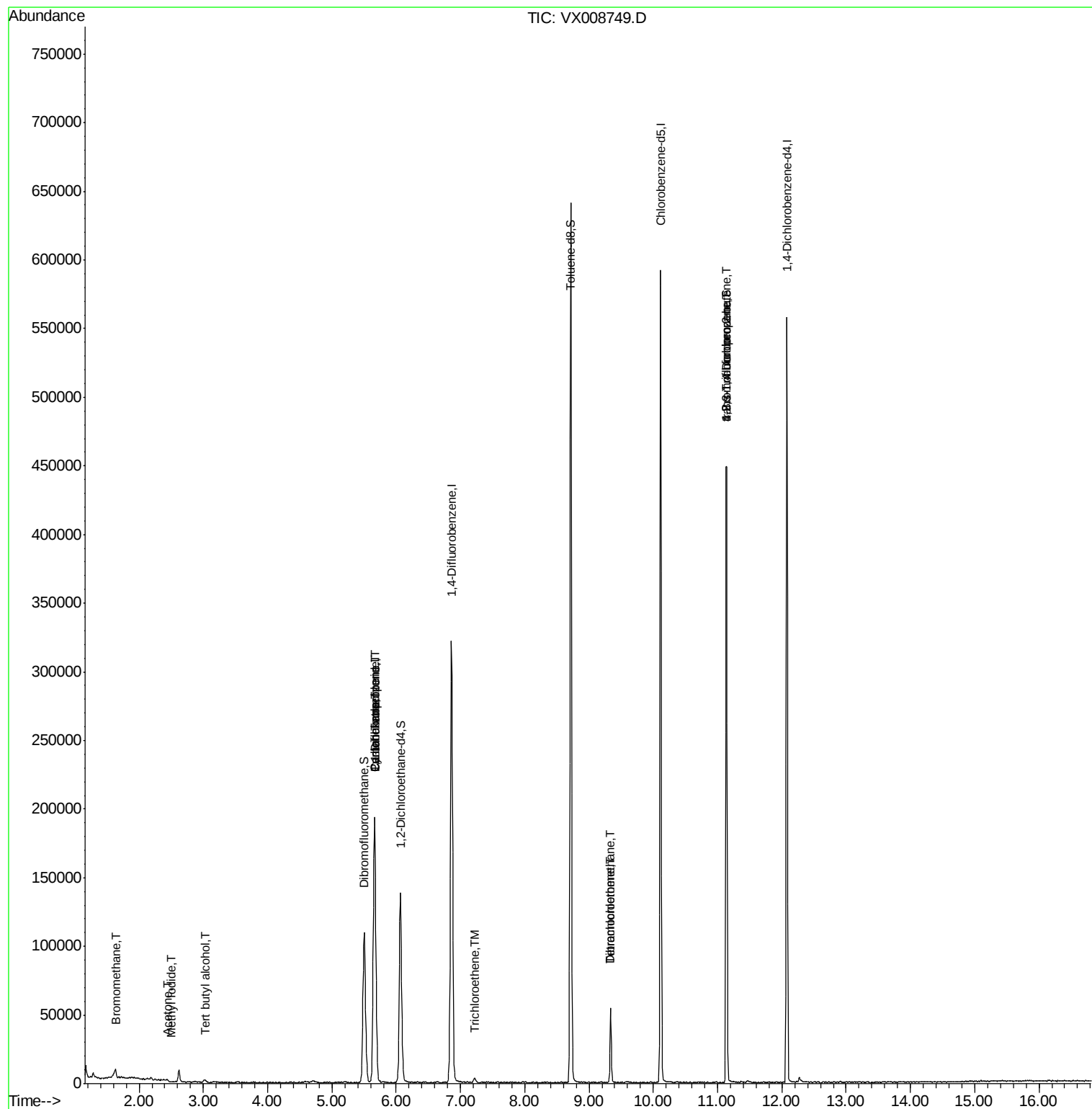
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	534	Below Cal	#	83
5) Bromomethane	1.64	94	373	2.139	ug/l #	78
6) Chloroethane	1.73	64	290	Below Cal	#	87
10) Methyl Iodide	2.51	142	127	4.066	ug/l #	83
11) Tert butyl alcohol	3.03	59	1539	2.446	ug/l #	76
16) Acetone	2.45	43	1516	0.979	ug/l #	86
17) Carbon Disulfide	2.57	76	526	Below Cal	#	67
28) Bromochloromethane	4.95	49	115	Below Cal	#	22
31) Cyclohexane	5.67	56	4300	0.926	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15091	4.462	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17903	6.395	ug/l #	16
44) Trichloroethene	7.22	130	1270	0.541	ug/l	82
60) Dibromochloromethane	9.34	129	9942	4.424	ug/l #	11
64) Tetrachloroethene	9.34	164	10024	5.166	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	63167	21.457	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63167	59.146	ug/l #	9

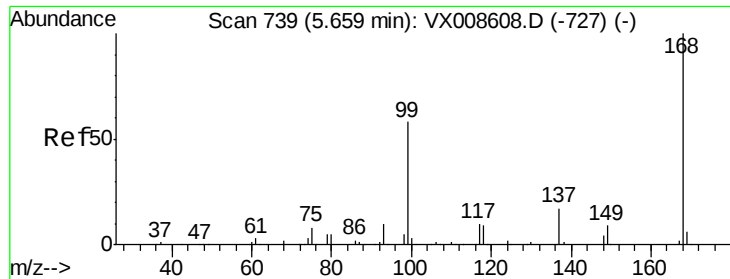
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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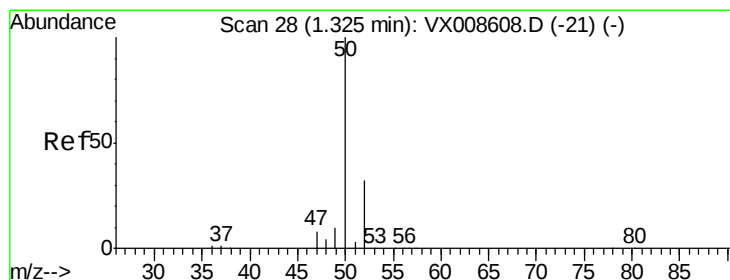
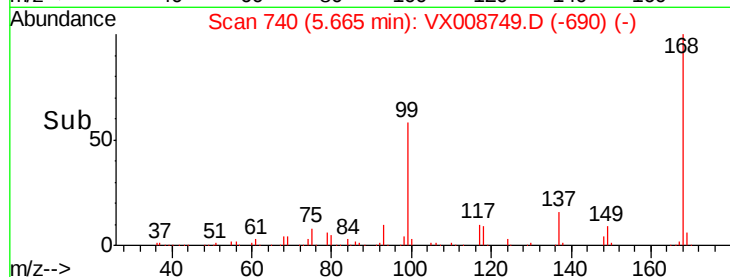
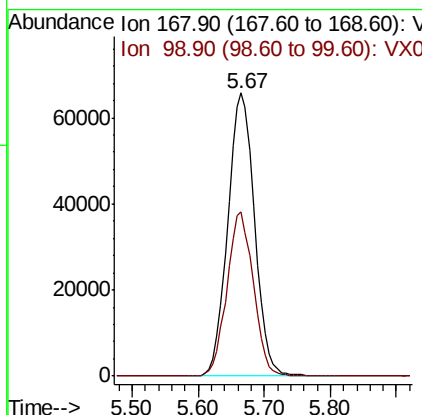
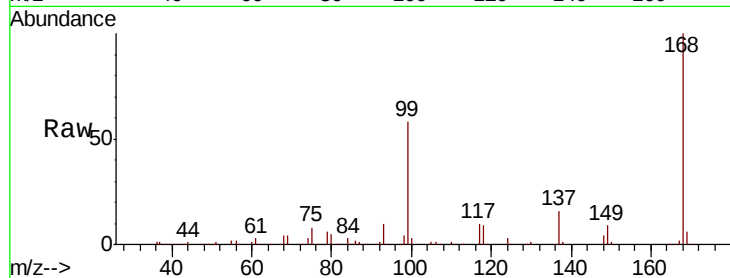




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008749.D
Acq: 08 Apr 2019 16:48

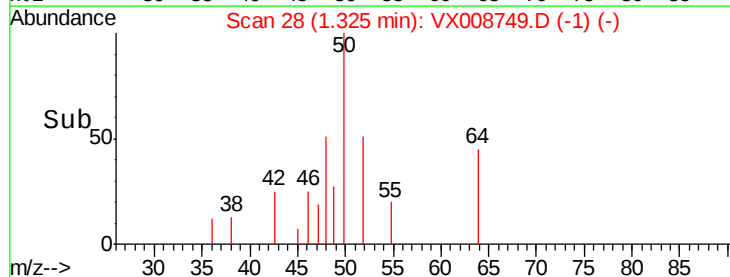
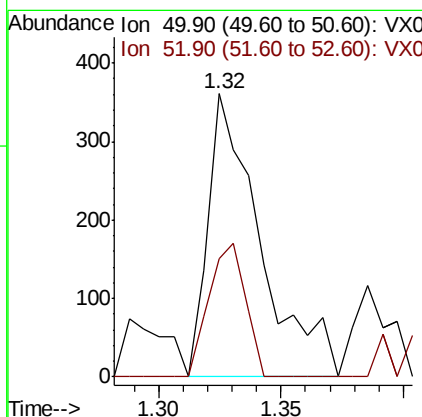
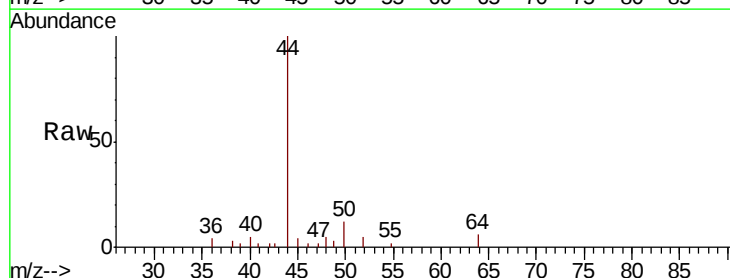
Instrument :
MSVOA_X
ClientSampleId :
ST008MW214-190403

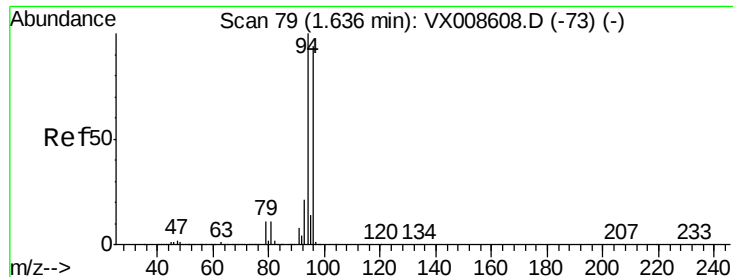
Tot Ion:168 Resp: 184280
Ion Ratio Lower Upper
168 100
99 58.1 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008749.D
Acq: 08 Apr 2019 16:48

Tgt Ion: 50 Resp: 534
Ion Ratio Lower Upper
50 100
52 41.6 25.8 38.8#





#5

Bromomethane

Concen: 2.139 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

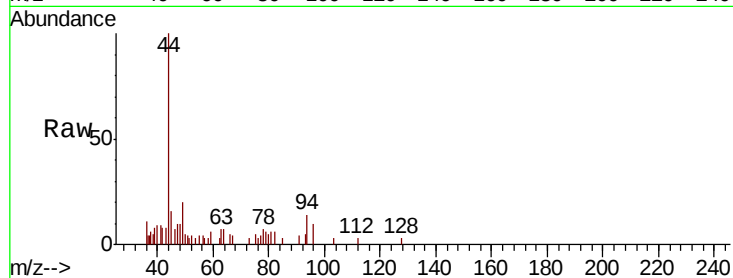
ST008MW214-190403

Tot Ion: 94 Resp: 373

Ion Ratio Lower Upper

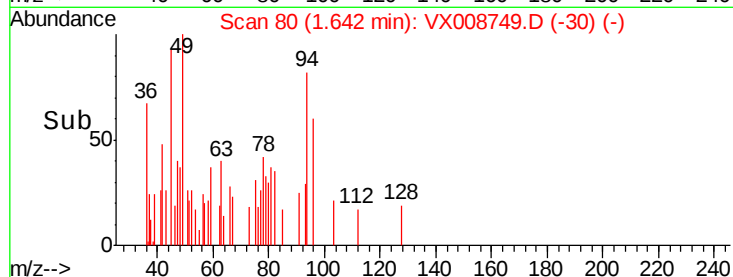
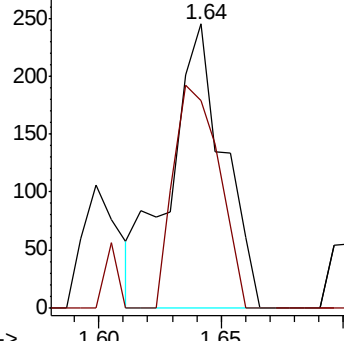
94 100

96 73.1 75.2 112.8#

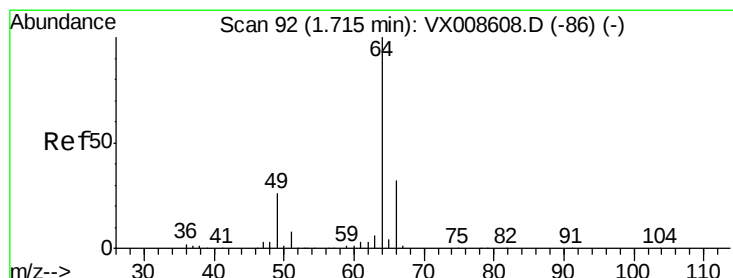


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX008749.D

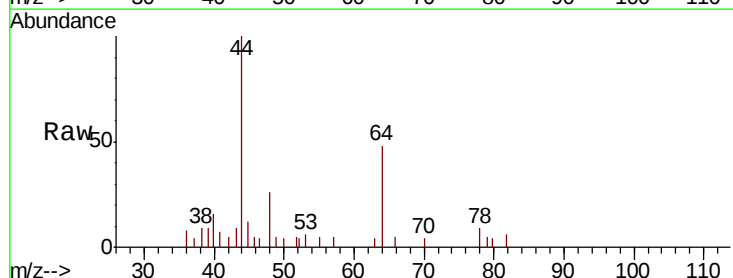
Acq: 08 Apr 2019 16:48

Tgt Ion: 64 Resp: 290

Ion Ratio Lower Upper

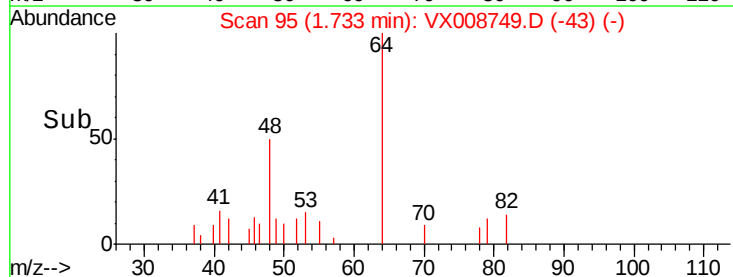
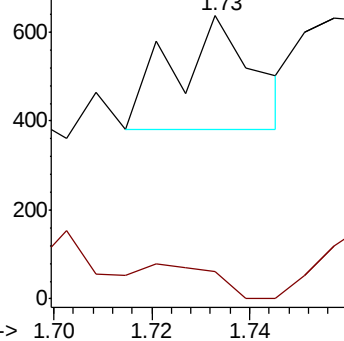
64 100

66 24.6 25.4 38.0#

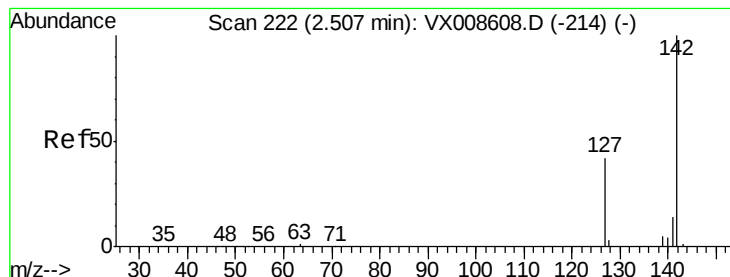


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methvl Iodide

Concen: 4.066 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

ST008MW214-190403

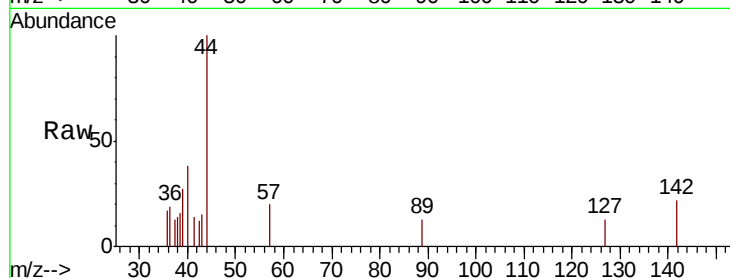
Tot Ion:142 Resp: 127

Ion Ratio Lower Upper

142 100

127 34.6 33.0 49.6

141 0.0 11.4 17.2#



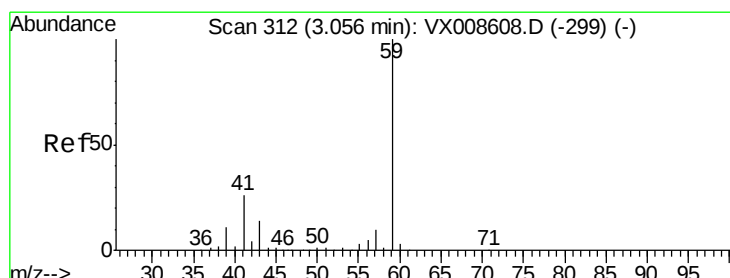
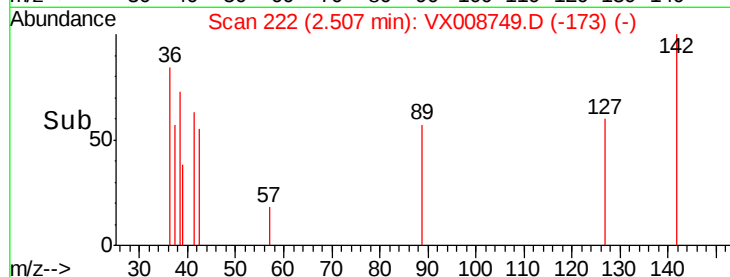
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

Time-->



#11

Tert butyl alcohol

Concen: 2.446 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.03 min

Lab File: VX008749.D

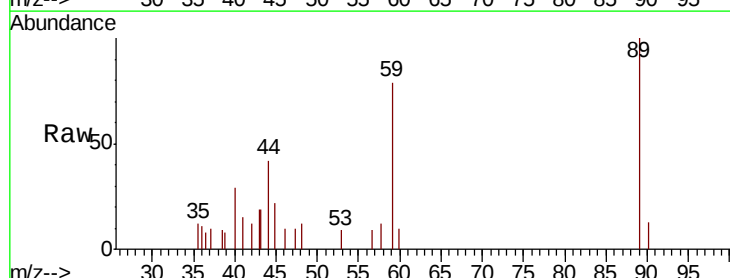
Acq: 08 Apr 2019 16:48

Tgt Ion: 59 Resp: 1539

Ion Ratio Lower Upper

59 100

57 1.3 8.3 12.5#

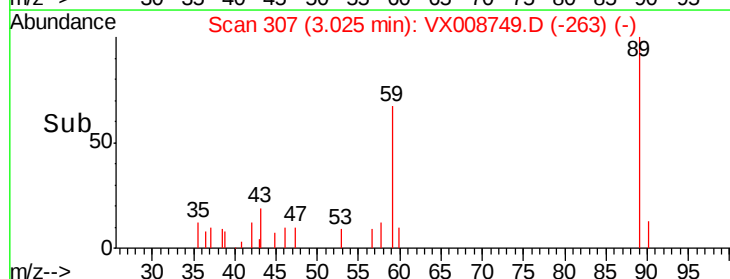


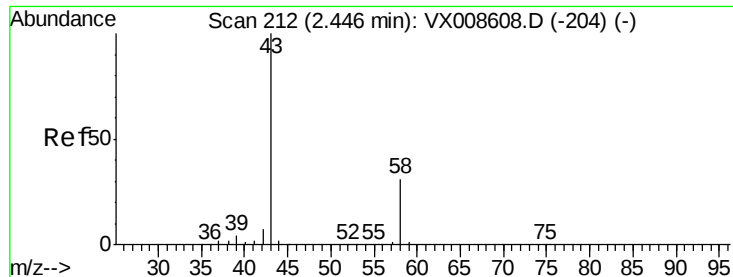
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

Time-->





#16

Acetone

Concen: 0.979 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

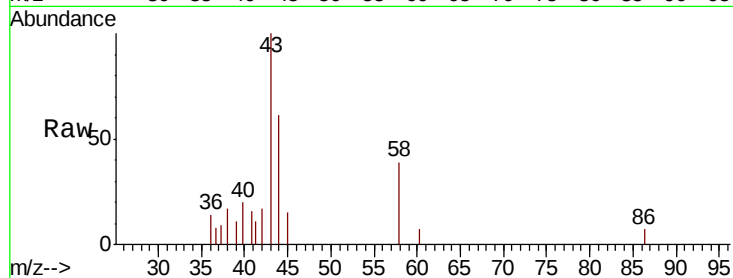
ST008MW214-190403

Tot Ion: 43 Resp: 1516

Ion Ratio Lower Upper

43 100

58 38.9 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

600

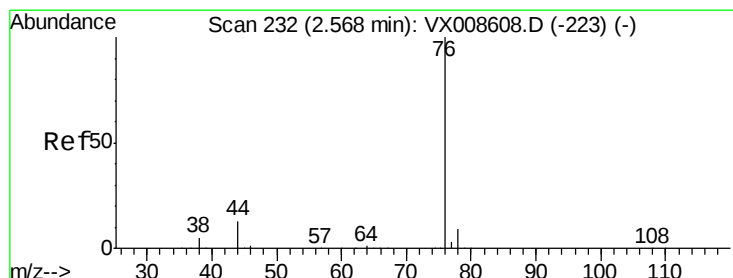
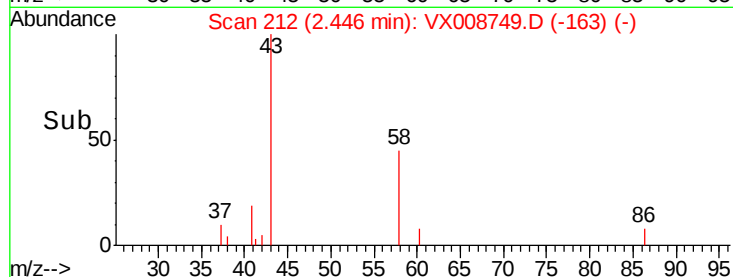
400

200

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008749.D

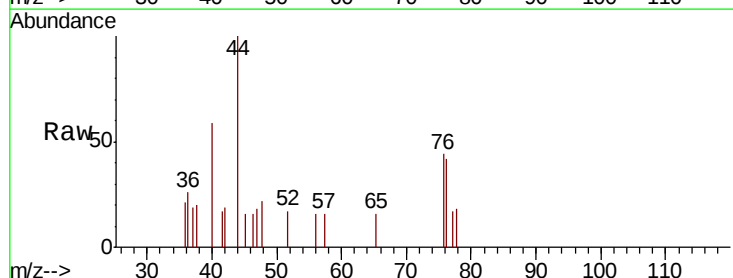
Acq: 08 Apr 2019 16:48

Tgt Ion: 76 Resp: 526

Ion Ratio Lower Upper

76 100

78 21.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300

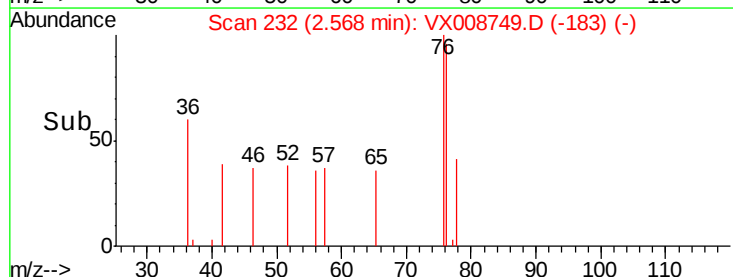
200

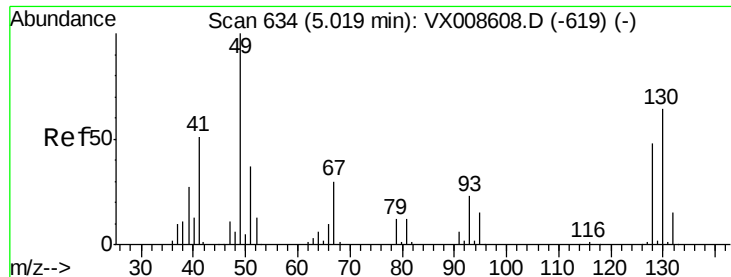
100

0

2.55 2.60

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 4.95 min Scan# 623

Delta R.T. -0.07 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

ST008MW214-190403

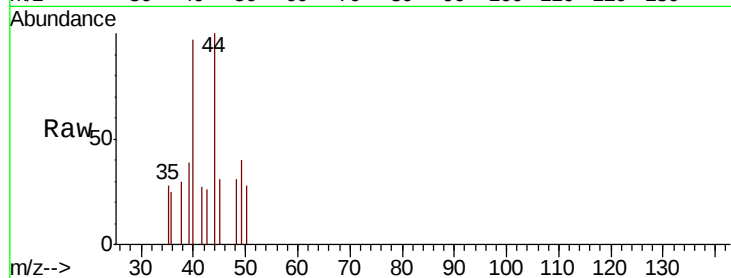
Tot Ion: 49 Resp: 115

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

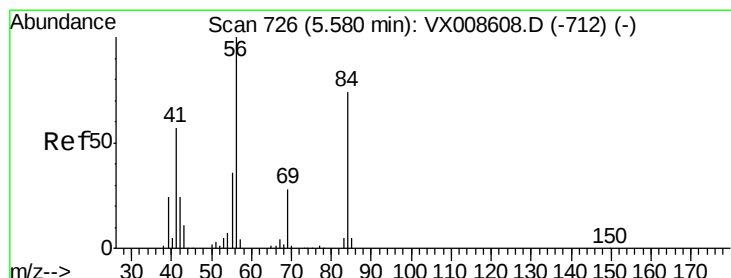
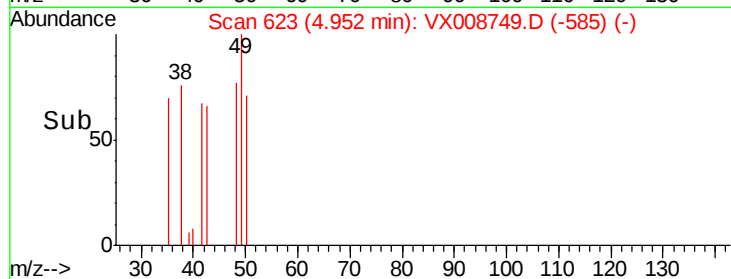
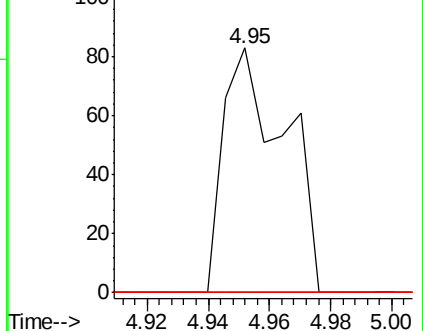
130 0.0 49.3 73.9#



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: 0.926 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

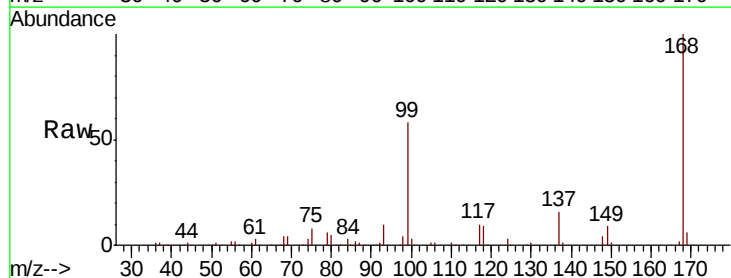
Tgt Ion: 56 Resp: 4300

Ion Ratio Lower Upper

56 100

69 176.0 22.6 33.8#

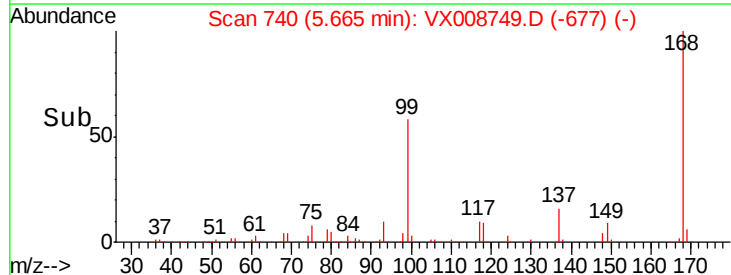
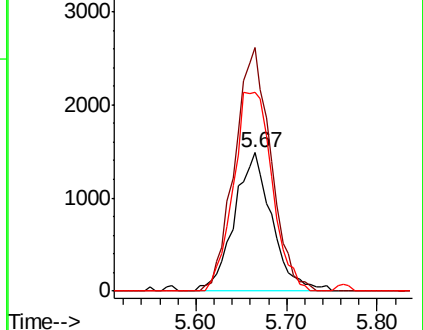
84 144.0 59.3 88.9#

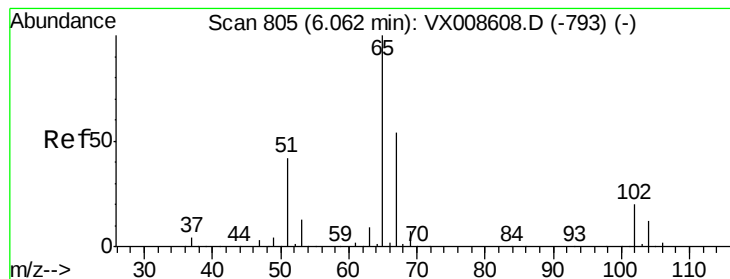


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.010 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

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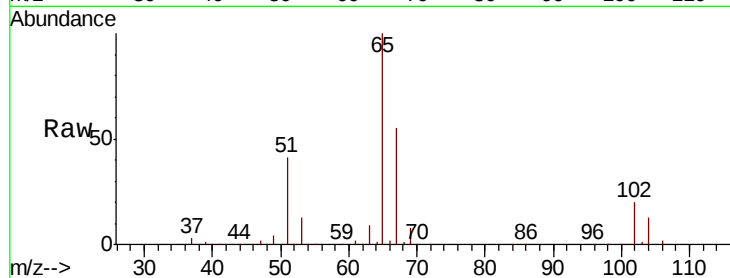
ST008MW214-190403

Tot Ion: 65 Resp: 129042

Ion Ratio Lower Upper

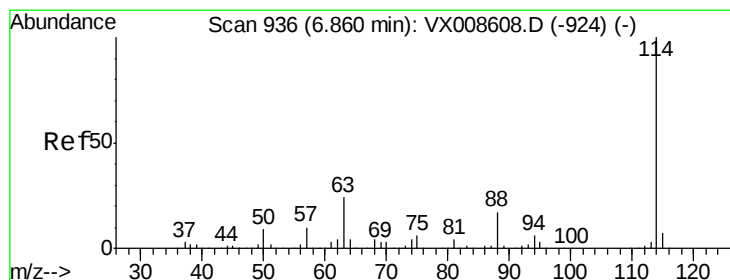
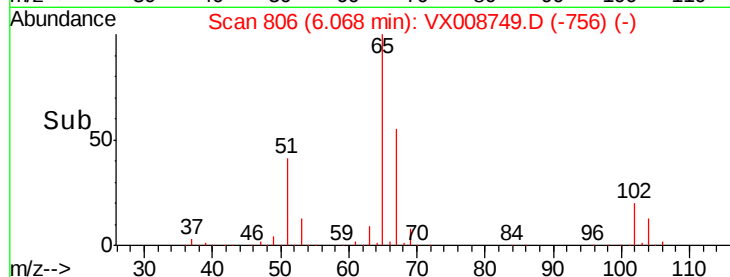
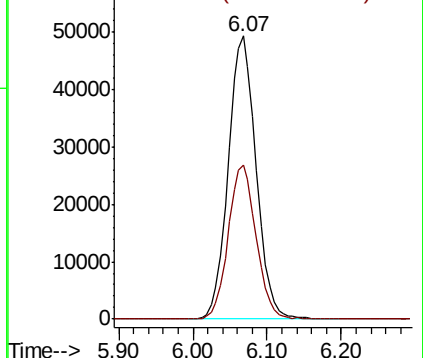
65 100

67 54.8 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

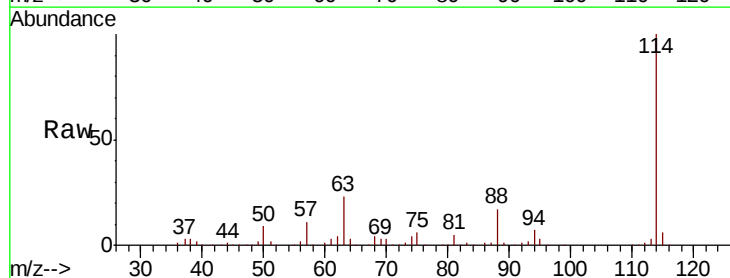
Tgt Ion: 114 Resp: 309438

Ion Ratio Lower Upper

114 100

63 23.0 0.0 47.2

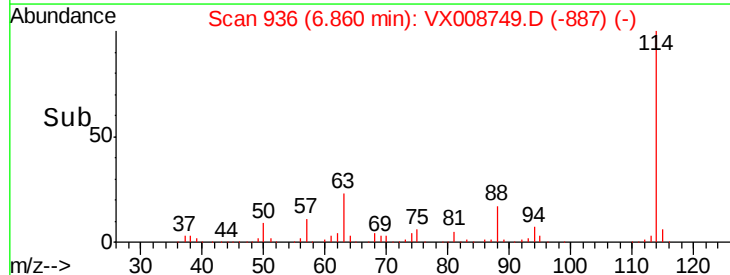
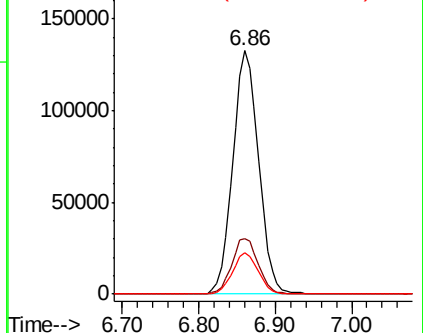
88 16.8 0.0 34.0

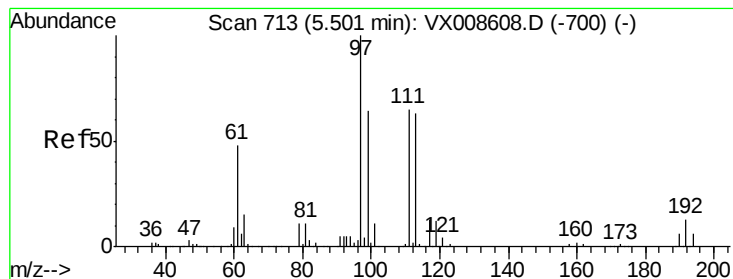


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.381 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

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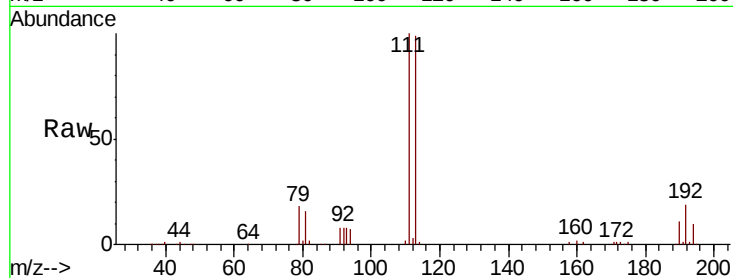
Tot Ion:113 Resp: 93739

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

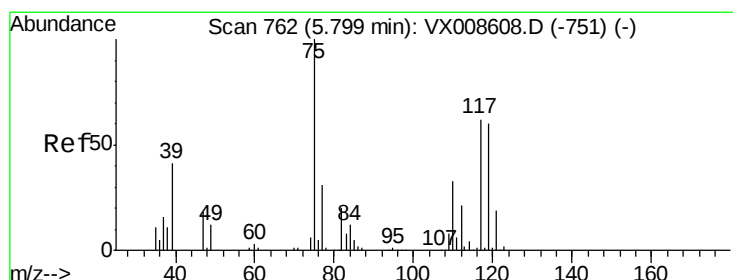
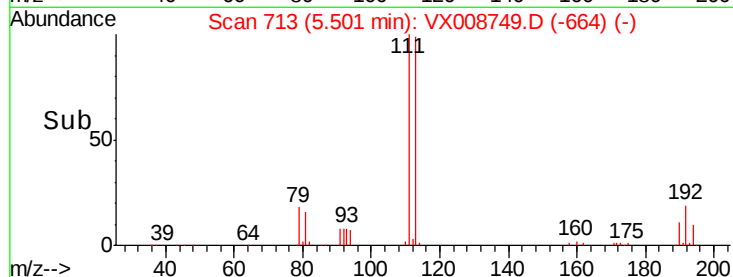
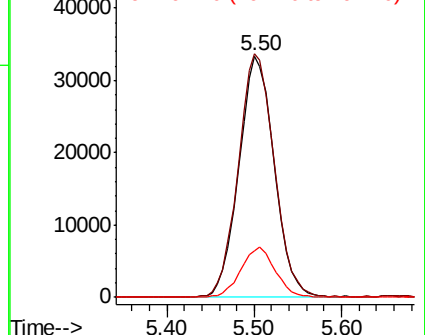
192 20.3 16.1 24.1



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: 4.462 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

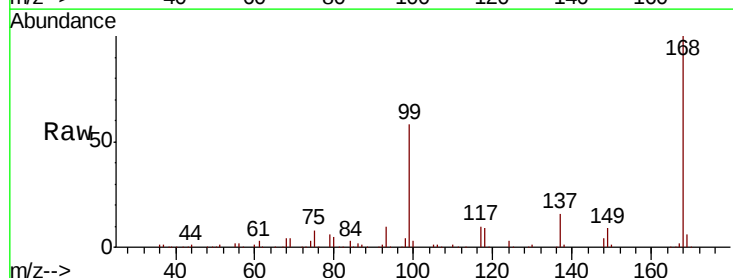
Tgt Ion: 75 Resp: 15091

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.2#

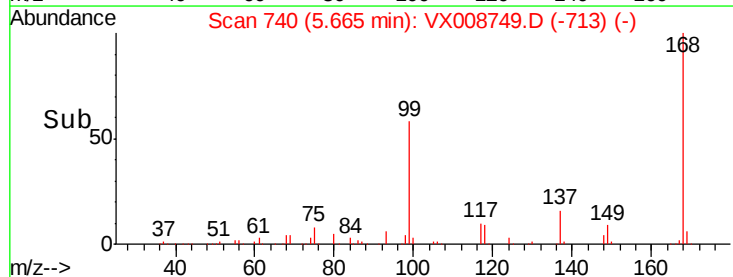
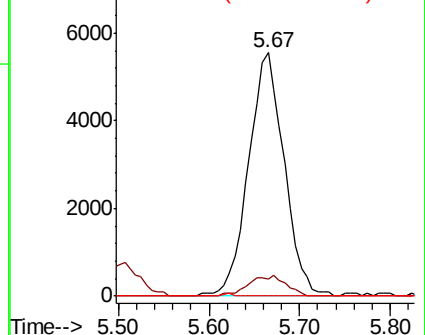
77 0.0 24.7 37.1#

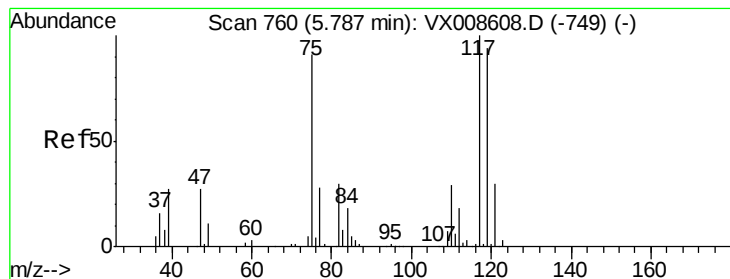


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.395 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

ST008MW214-190403

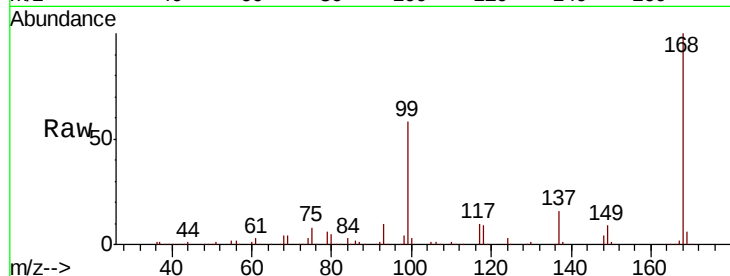
Tot Ion:117 Resp: 17903

Ion Ratio Lower Upper

117 100

119 4.6 75.0 112.6#

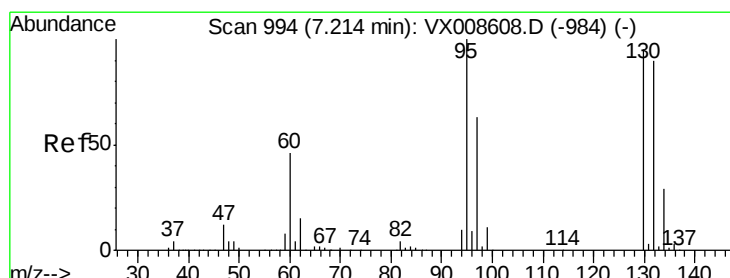
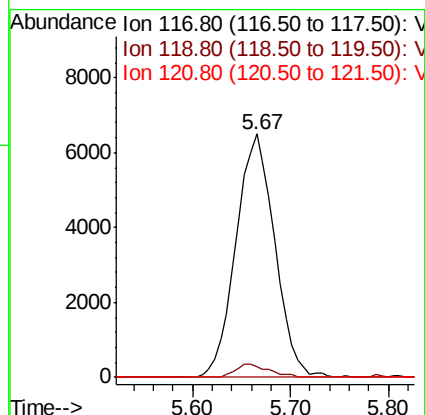
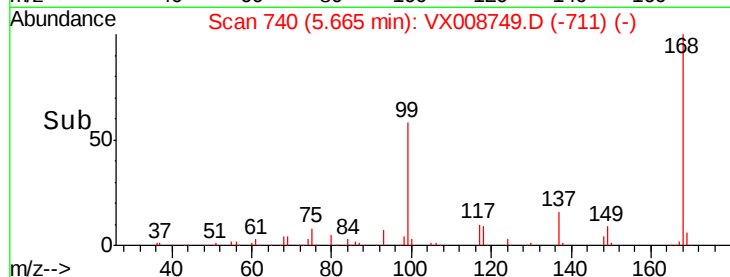
121 0.0 24.3 36.5#



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: 0.541 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008749.D

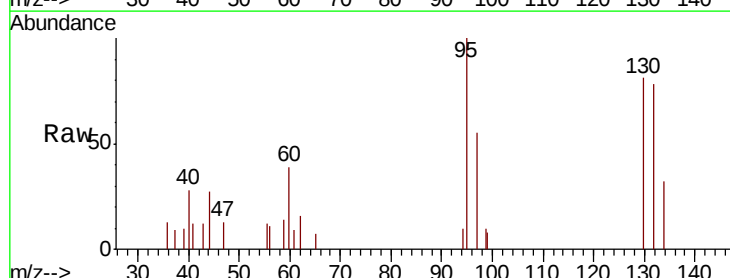
Acq: 08 Apr 2019 16:48

Tgt Ion:130 Resp: 1270

Ion Ratio Lower Upper

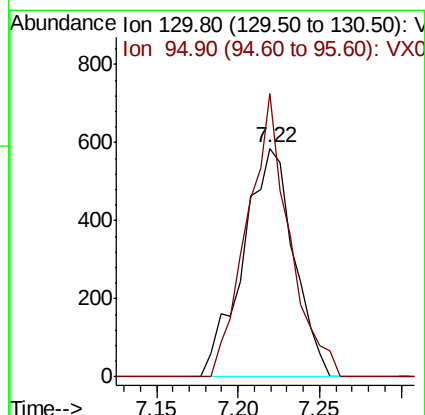
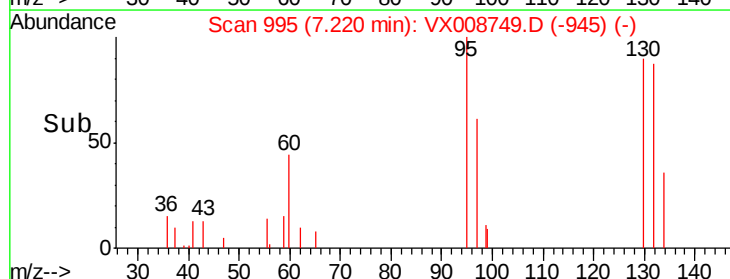
130 100

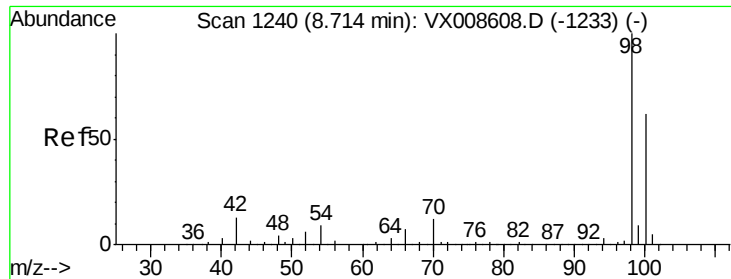
95 123.7 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.028 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008749.D

Acq: 08 Apr 2019 16:48

Instrument :

MSVOA_X

ClientSampleId :

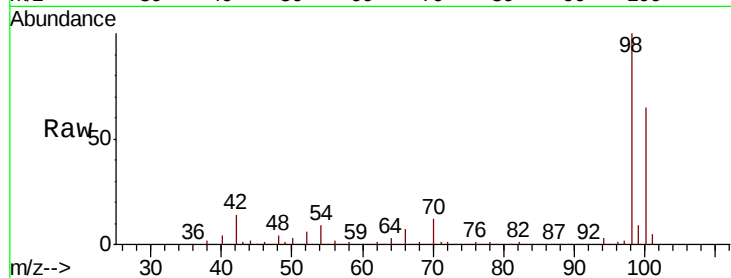
ST008MW214-190403

Tot Ion: 98 Resp: 386220

Ion Ratio Lower Upper

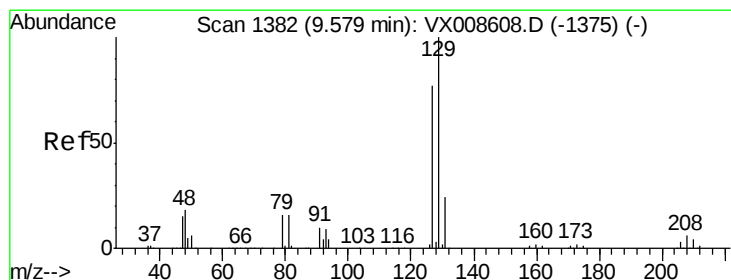
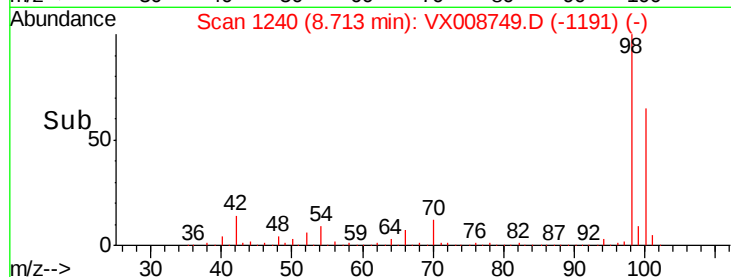
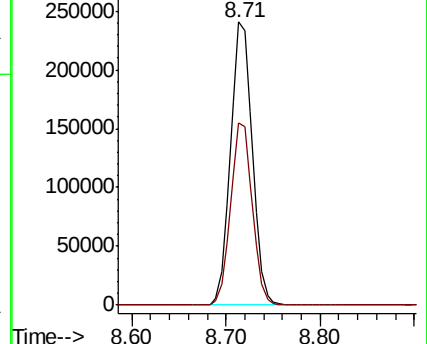
98 100

100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 4.424 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008749.D

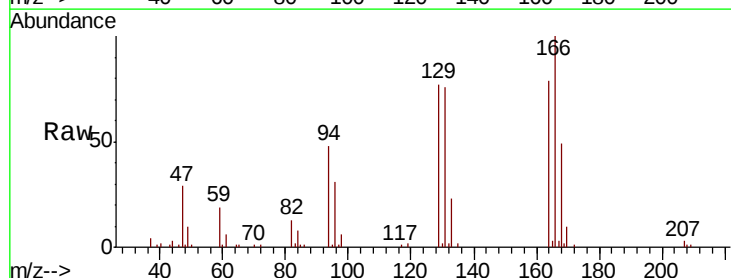
Acq: 08 Apr 2019 16:48

Tgt Ion:129 Resp: 9942

Ion Ratio Lower Upper

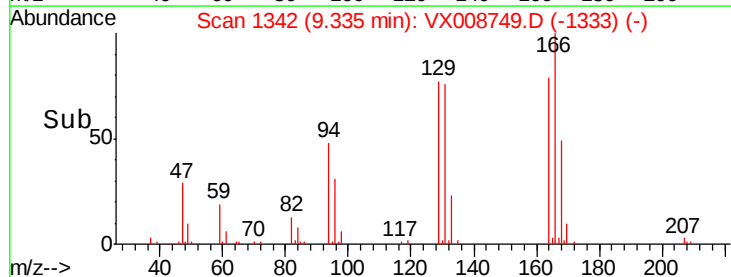
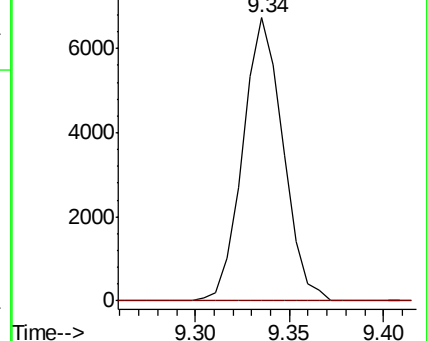
129 100

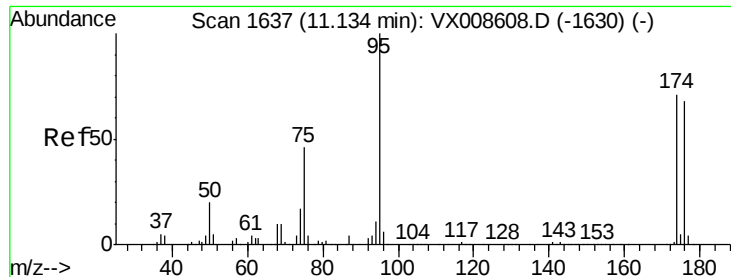
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

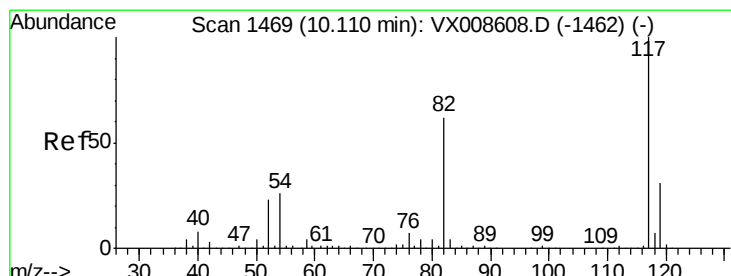
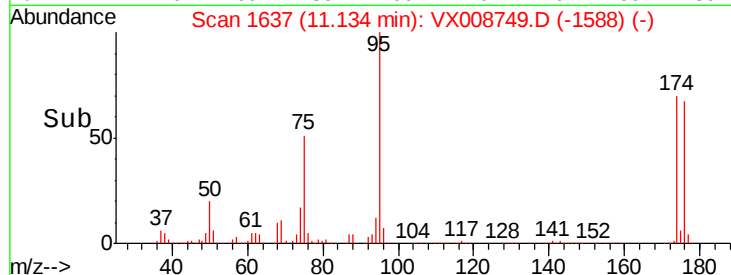
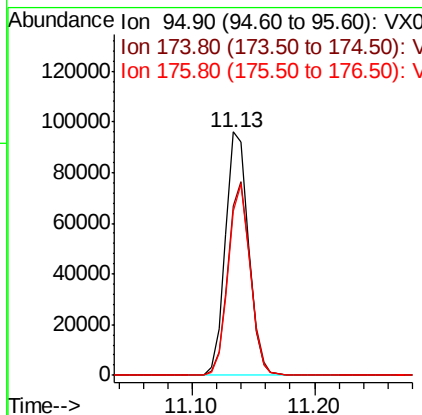
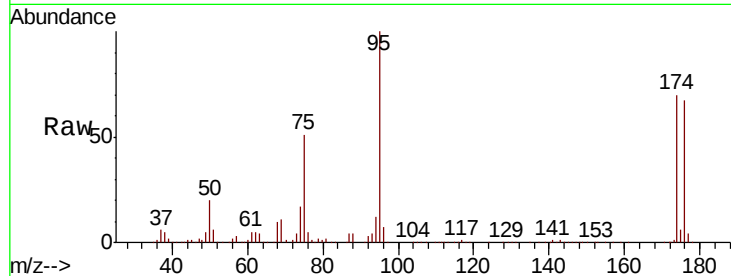




#62
4-Bromofluorobenzene
Concen: 44.760 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008749.D
Acq: 08 Apr 2019 16:48

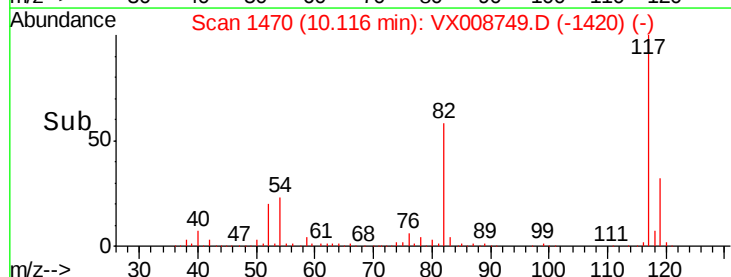
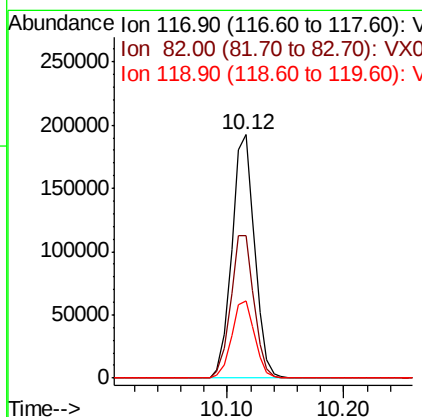
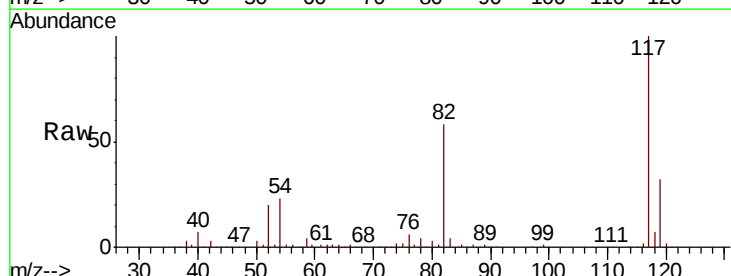
Instrument :
MSVOA_X
ClientSampleId :
ST008MW214-190403

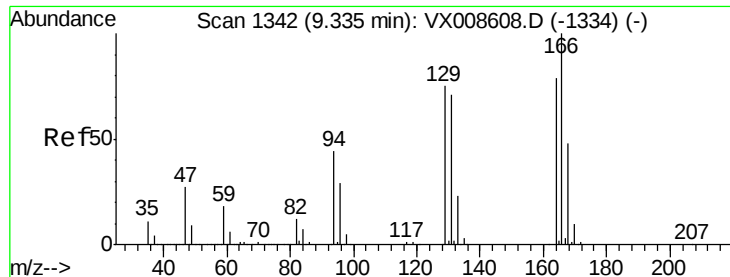
Tot Ion: 95 Resp: 125037
Ion Ratio Lower Upper
95 100
174 76.6 0.0 151.8
176 74.4 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008749.D
Acq: 08 Apr 2019 16:48

Tgt Ion: 117 Resp: 261917
Ion Ratio Lower Upper
117 100
82 58.4 49.6 74.4
119 31.9 25.0 37.4

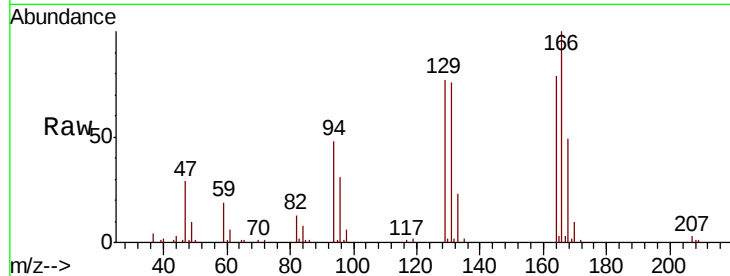




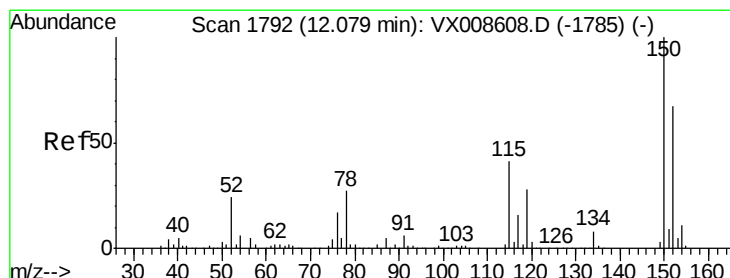
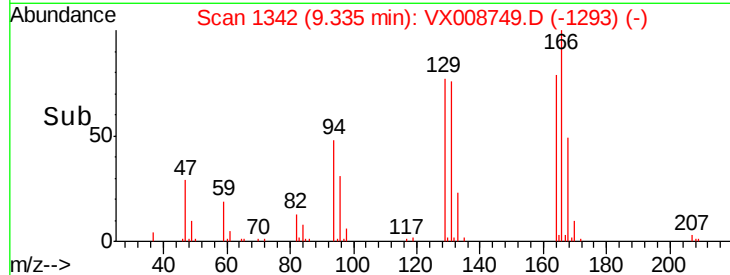
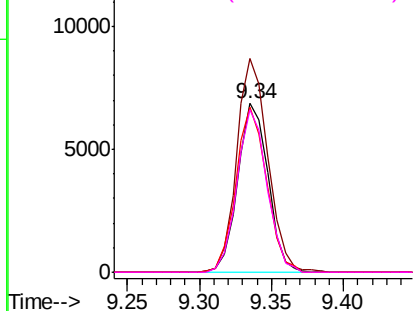
#64
Tetrachloroethene
Concen: 5.166 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008749.D
Acq: 08 Apr 2019 16:48

Instrument :
MSVOA_X
ClientSampleId :
ST008MW214-190403

Tot Ion:164 Resp: 10024
Ion Ratio Lower Upper
164 100
166 126.5 101.0 151.6
129 98.0 75.8 113.8
131 96.2 71.8 107.8

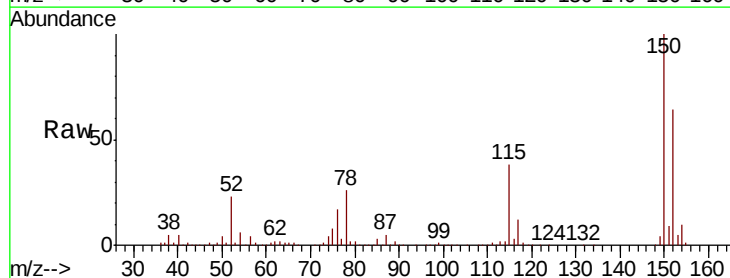


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

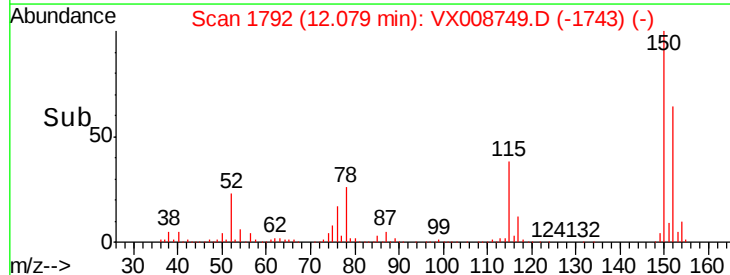
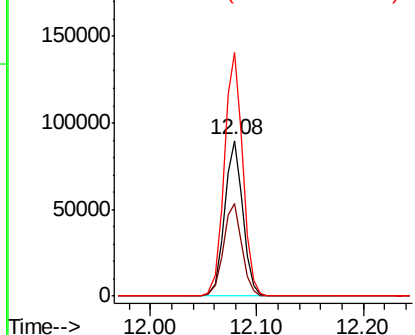


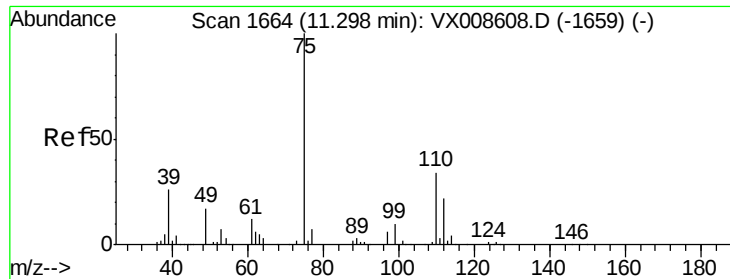
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008749.D
Acq: 08 Apr 2019 16:48

Tgt Ion:152 Resp: 107166
Ion Ratio Lower Upper
152 100
115 60.5 43.5 130.5
150 158.0 0.0 348.8



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

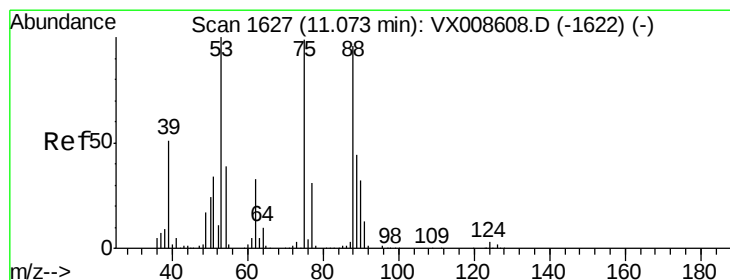
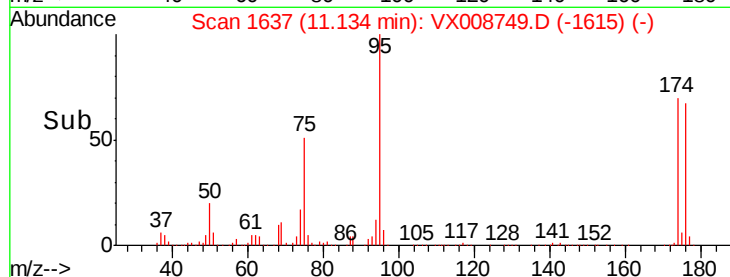
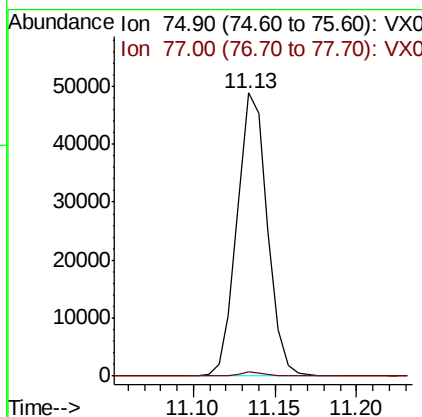
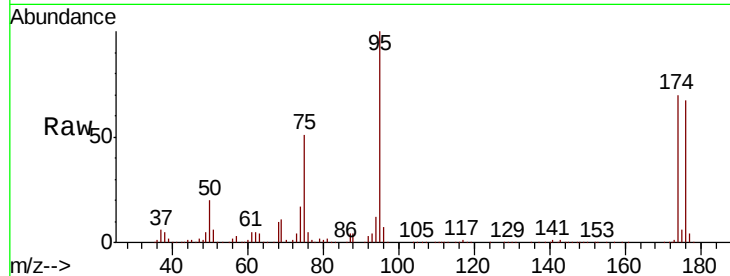




#76
 1,2,3-Trichloropropane
 Concen: 21.457 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008749.D
 Acq: 08 Apr 2019 16:48

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW214-190403

Tot Ion: 75 Resp: 63167
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.146 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008749.D
 Acq: 08 Apr 2019 16:48

Tgt Ion: 75 Resp: 63167
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

