

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009022.D
 Acq On : 17 Apr 2019 18:07
 Operator : JC/SP
 Sample : K2448-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0509-190415

Quant Time: Apr 18 01:39:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	404939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145760	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	164733	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	
35) Dibromofluoromethane	5.50	113	120763	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
50) Toluene-d8	8.71	98	503752	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	11.13	95	166390	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

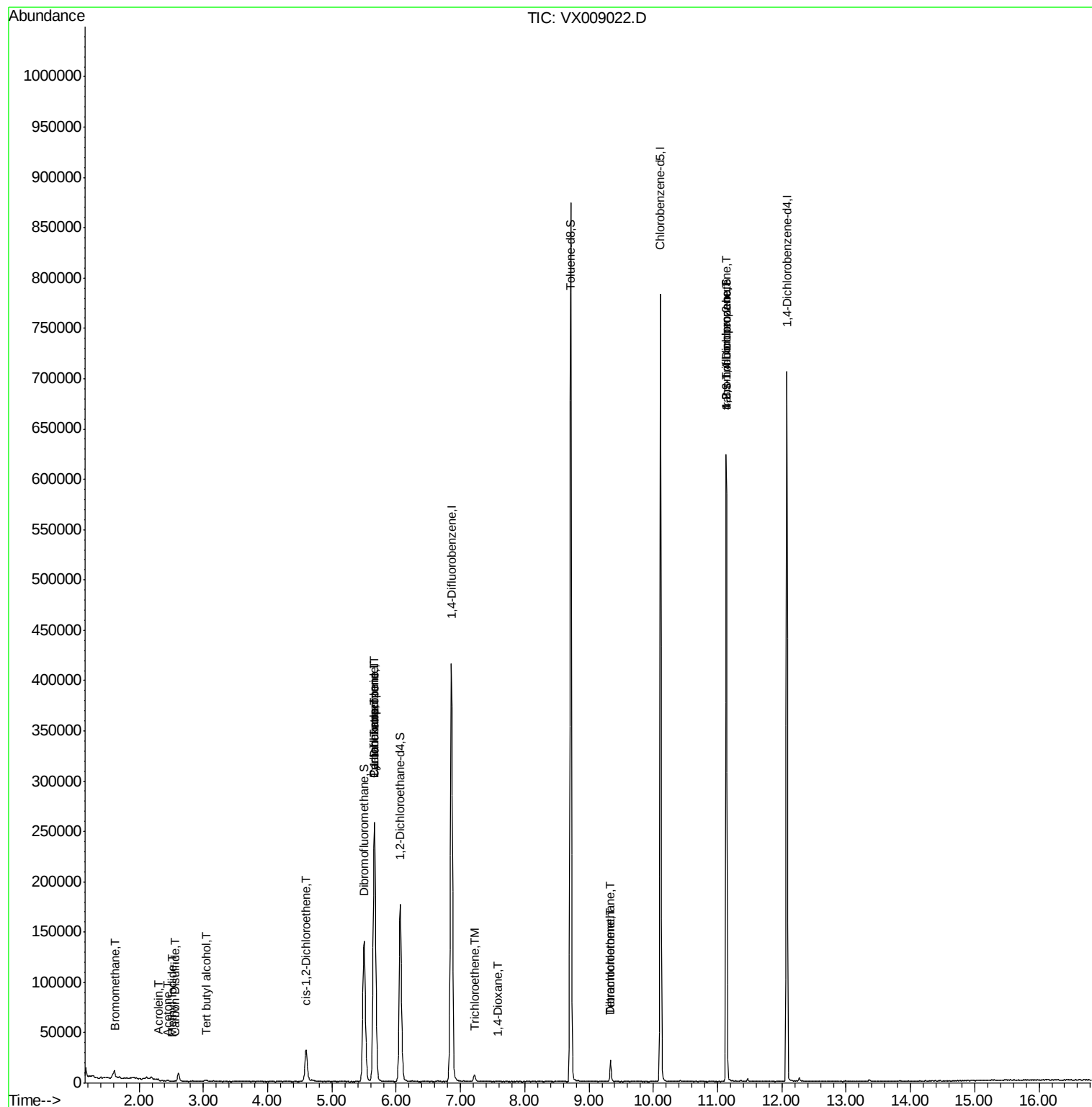
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	252	3.955	ug/l #	76
10) Methyl Iodide	2.52	142	29	4.424	ug/l #	42
11) Tert butyl alcohol	3.05	59	1694	2.146	ug/l #	89
13) Acrolein	2.31	56	248	0.364	ug/l	86
16) Acetone	2.45	43	1503	0.815	ug/l	96
17) Carbon Disulfide	2.57	76	479	1.311	ug/l #	59
27) cis-1,2-Dichloroethene	4.60	96	19509	5.952	ug/l	89
28) Bromochloromethane	5.01	49	19	Below Cal	#	21
31) Cyclohexane	5.67	56	5444	0.961	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	19757	4.718	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23829	6.712	ug/l #	18
44) Trichloroethene	7.22	130	2259	0.746	ug/l	86
49) 1,4-Dioxane	7.58	88	48	0.598	ug/l #	1
60) Dibromochloromethane	9.34	129	3482	1.238	ug/l #	10
64) Tetrachloroethene	9.34	164	3805	1.440	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	84605	23.771	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	84605	61.027	ug/l #	11

(#) = 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. -0.00 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

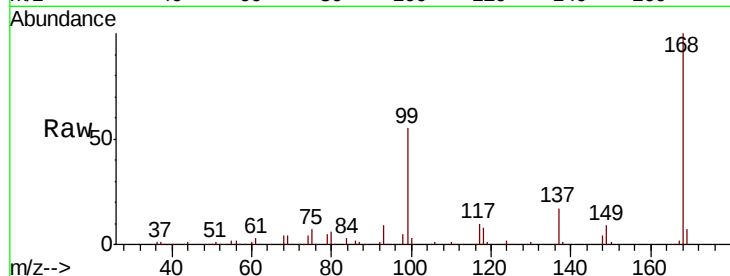
DUP-0509-190415

Tot Ion:168 Resp: 252374

Ion Ratio Lower Upper

168 100

99 54.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

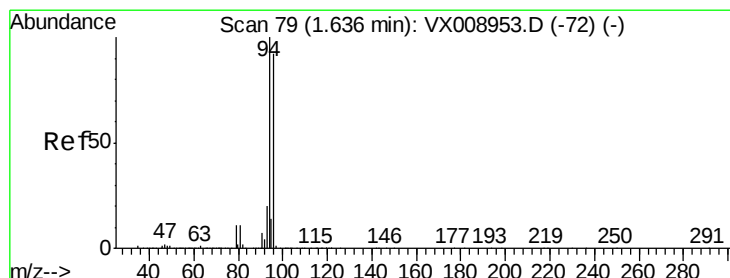
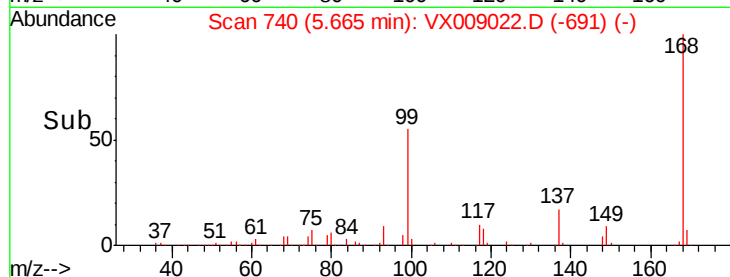
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 3.955 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009022.D

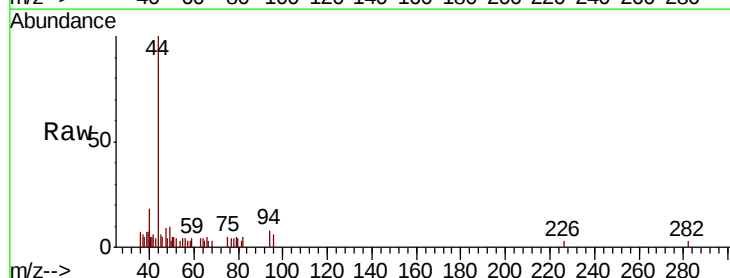
Acq: 17 Apr 2019 18:07

Tgt Ion: 94 Resp: 252

Ion Ratio Lower Upper

94 100

96 69.9 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

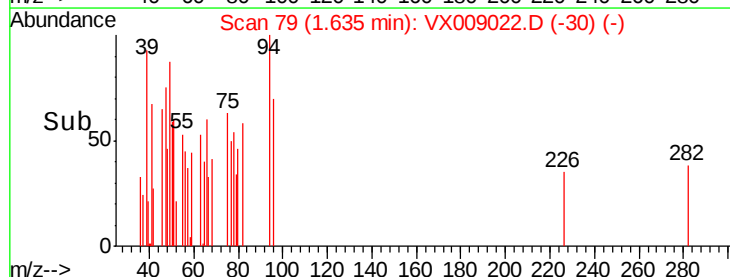
100

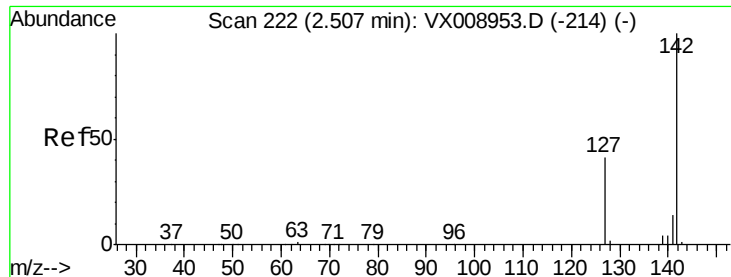
50

0

Time-->

1.60 1.65 1.70

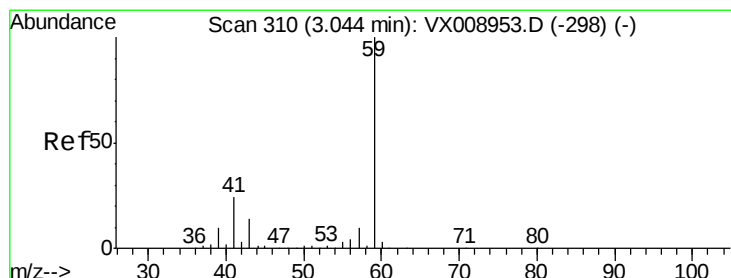
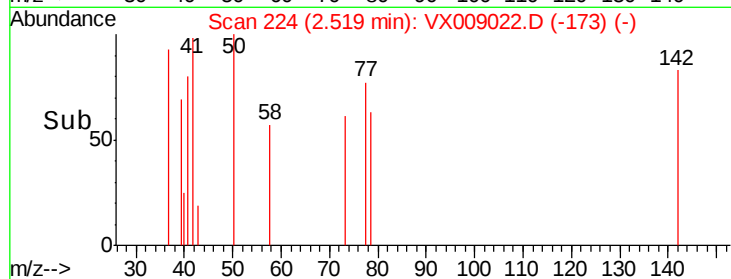
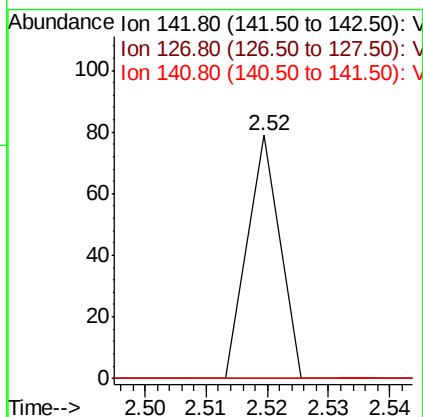
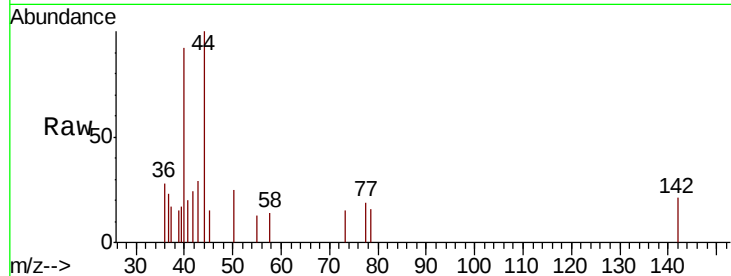




#10
Methyl Iodide
Concen: 4.424 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

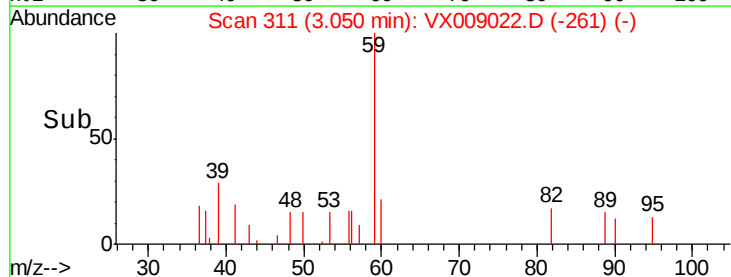
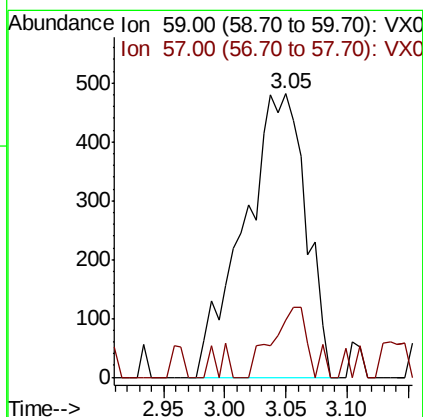
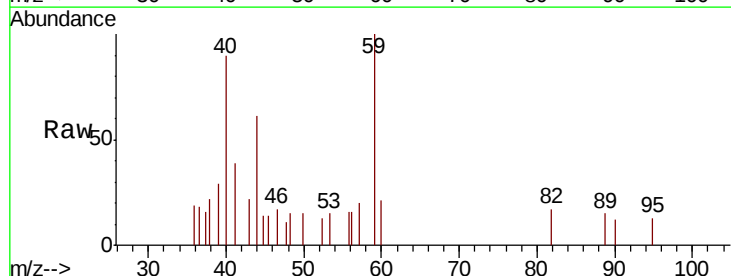
Instrument :
MSVOA_X
ClientSampleId :
DUP-0509-190415

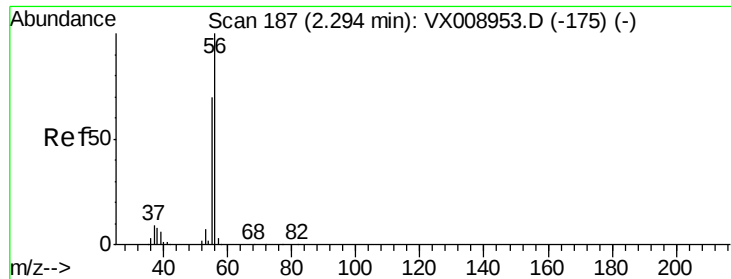
Tot Ion:142 Resp: 29
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.146 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

Tgt Ion: 59 Resp: 1694
Ion Ratio Lower Upper
59 100
57 14.8 8.4 12.6#





#13

Acrolein

Concen: 0.364 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

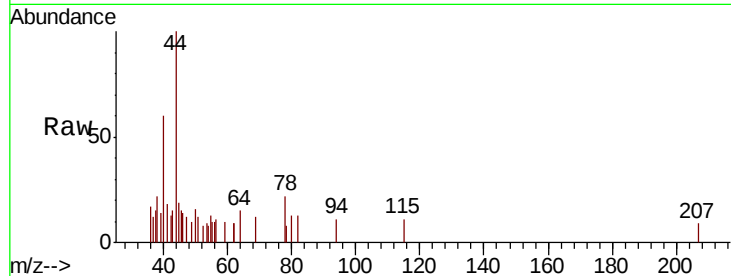
DUP-0509-190415

Tot Ion: 56 Resp: 248

Ion Ratio Lower Upper

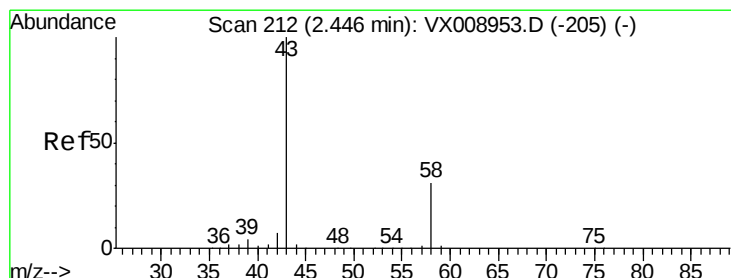
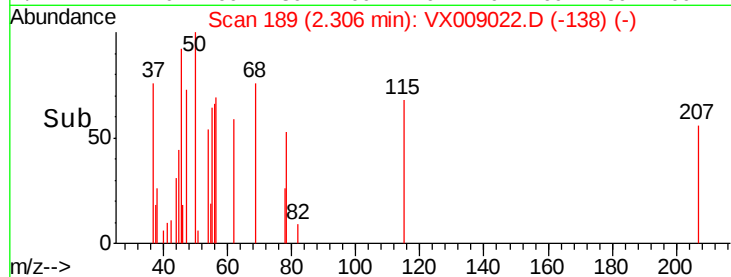
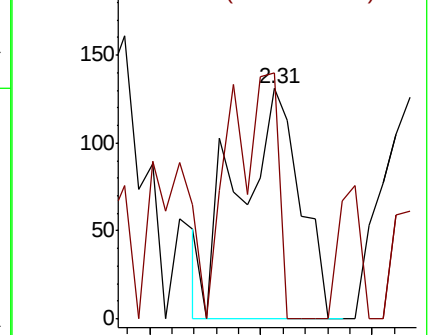
56 100

55 81.9 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.815 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009022.D

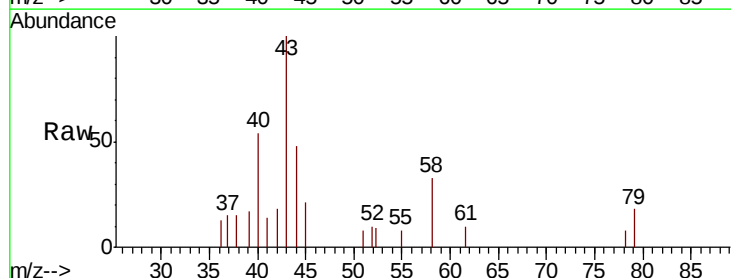
Acq: 17 Apr 2019 18:07

Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

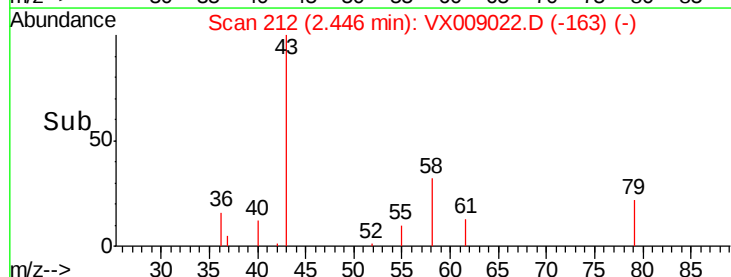
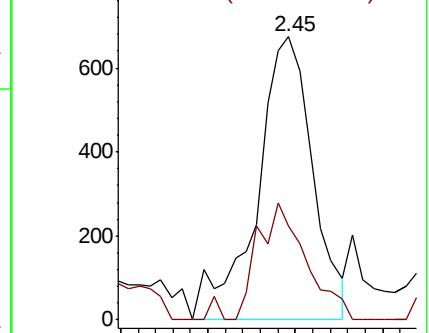
43 100

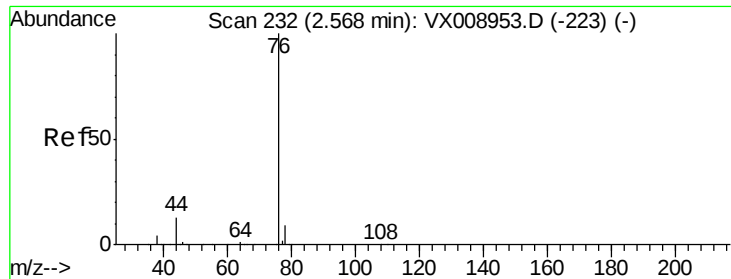
58 33.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

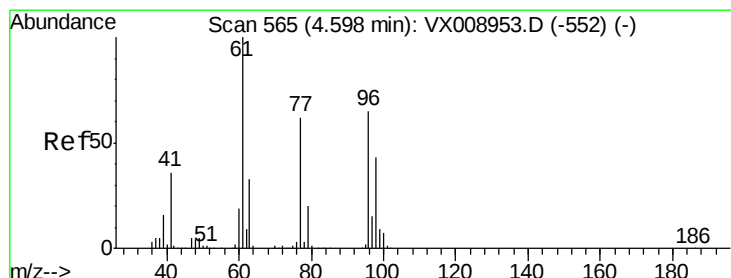
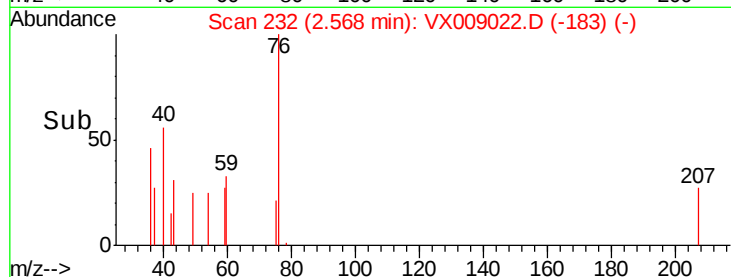
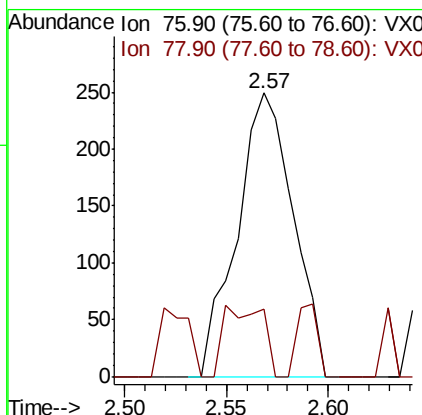
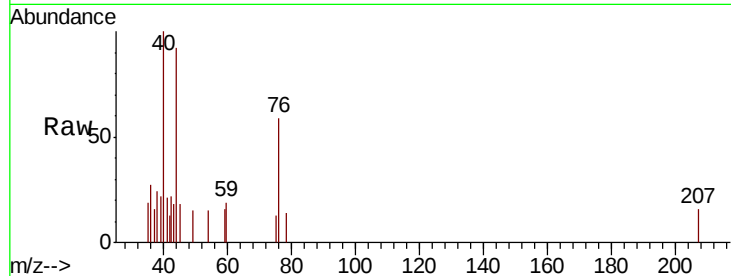




#17
Carbon Disulfide
Concen: 1.311 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

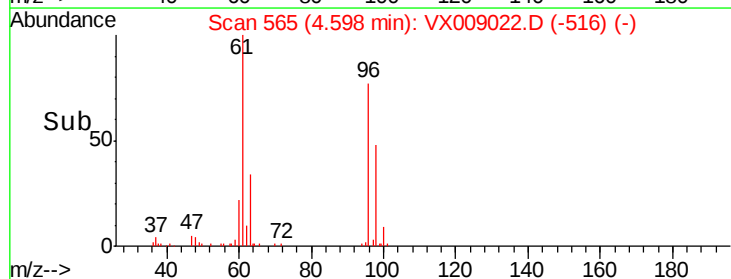
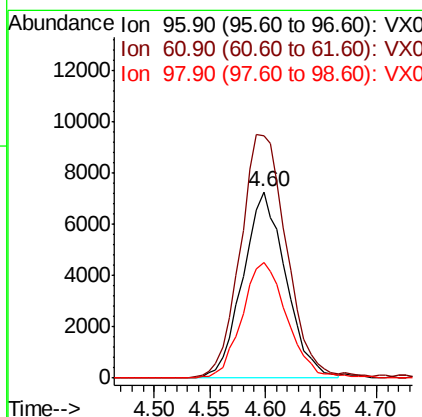
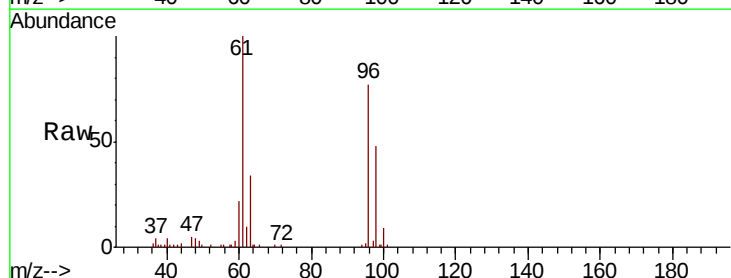
Instrument :
MSVOA_X
ClientSampleId :
DUP-0509-190415

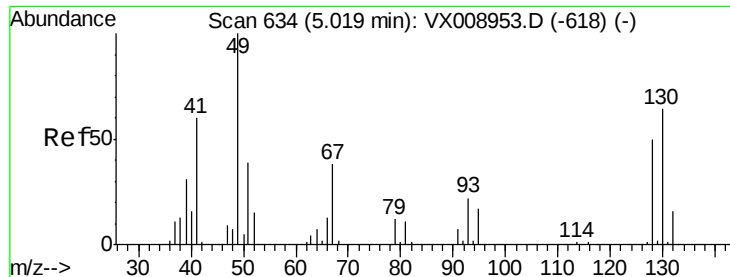
Tot Ion: 76 Resp: 479
Ion Ratio Lower Upper
76 100
78 23.7 7.2 10.8#



#27
cis-1,2-Dichloroethene
Concen: 5.952 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

Tgt Ion: 96 Resp: 19509
Ion Ratio Lower Upper
96 100
61 142.1 0.0 322.0
98 65.2 0.0 128.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0509-190415

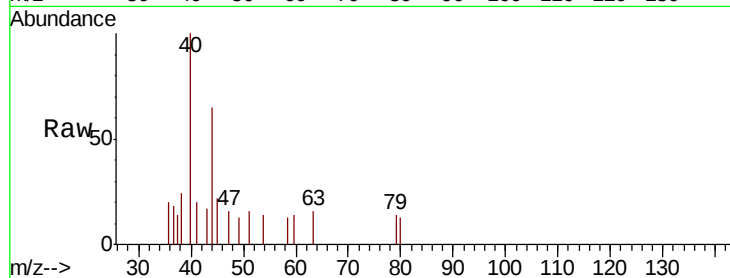
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

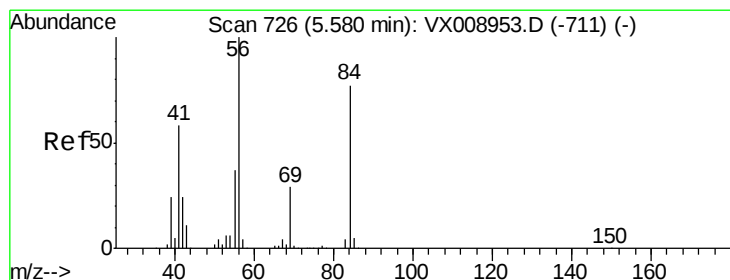
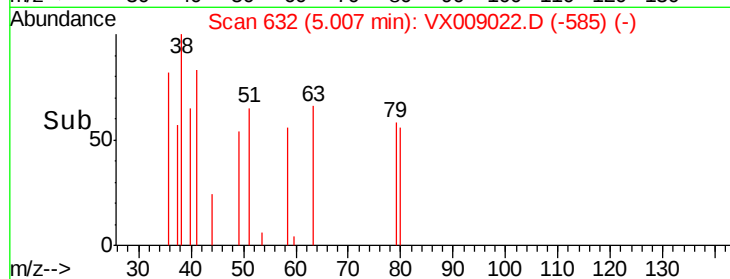
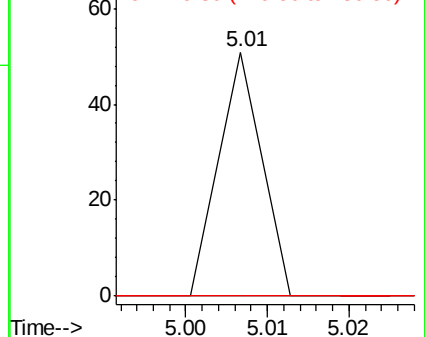
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.961 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

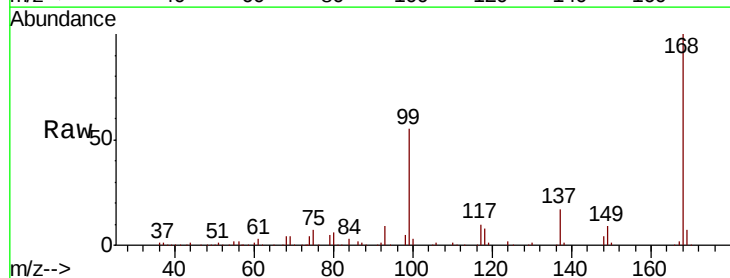
Tgt Ion: 56 Resp: 5444

Ion Ratio Lower Upper

56 100

69 189.6 23.3 34.9#

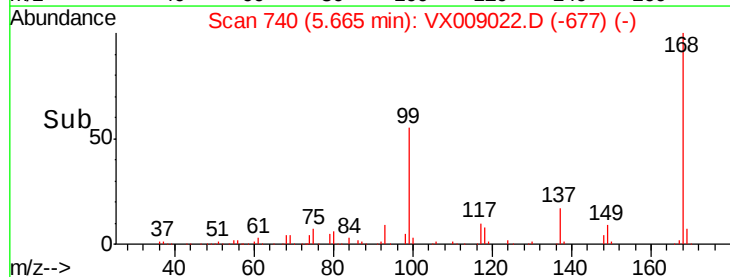
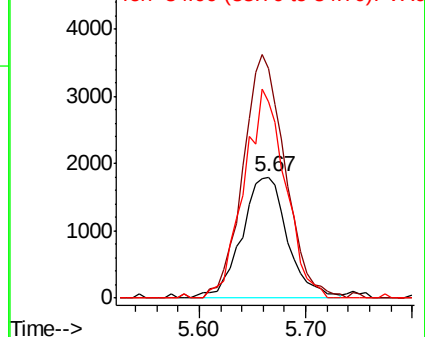
84 162.2 61.7 92.5#

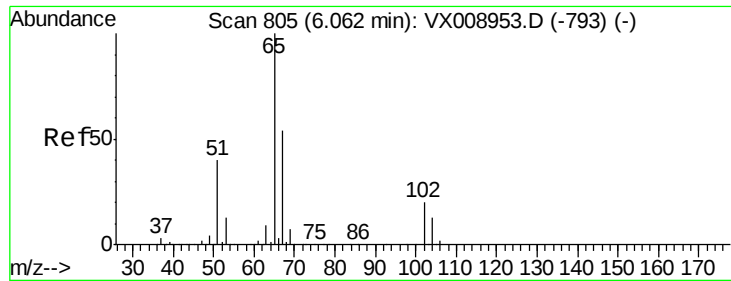


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.317 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

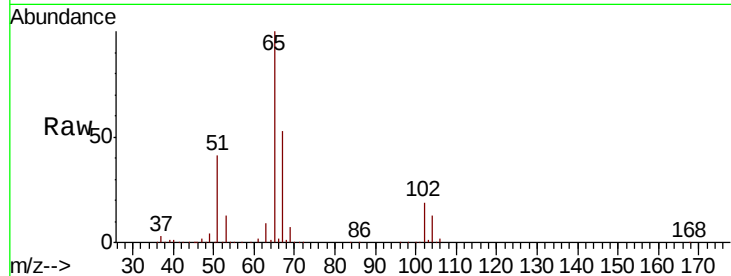
DUP-0509-190415

Tot Ion: 65 Resp: 164733

Ion Ratio Lower Upper

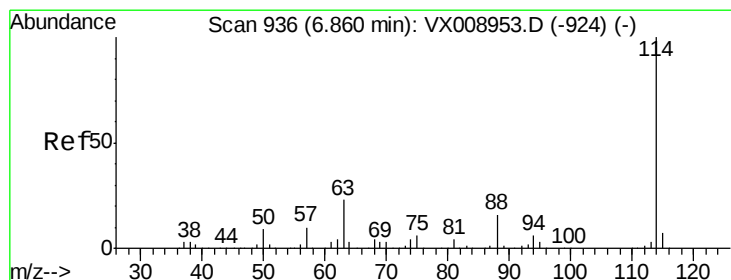
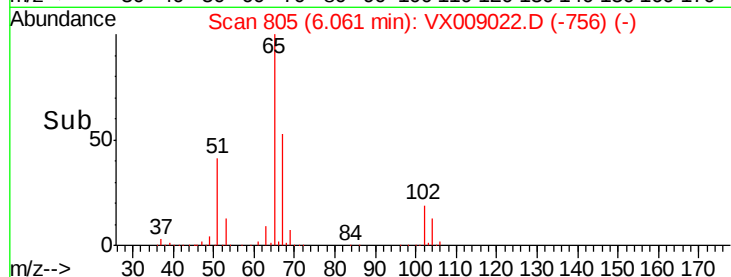
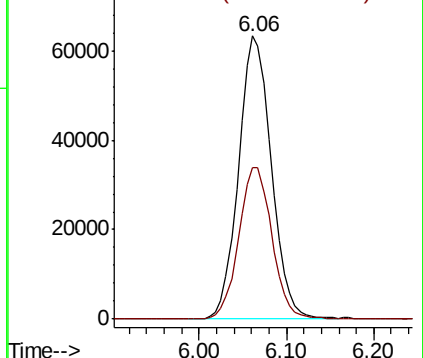
65 100

67 54.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

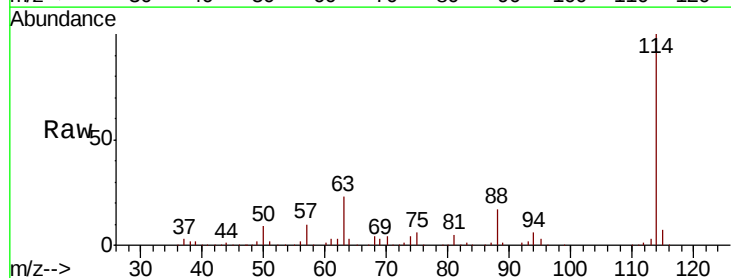
Tgt Ion: 114 Resp: 404939

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.0

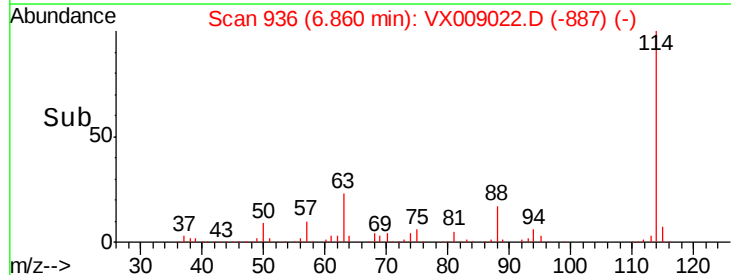
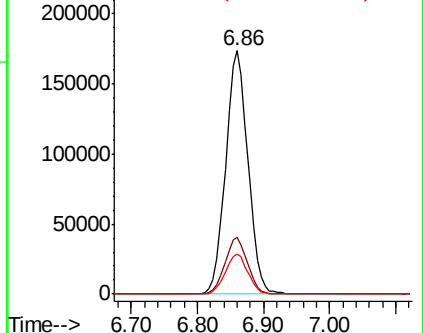
88 16.7 0.0 32.6

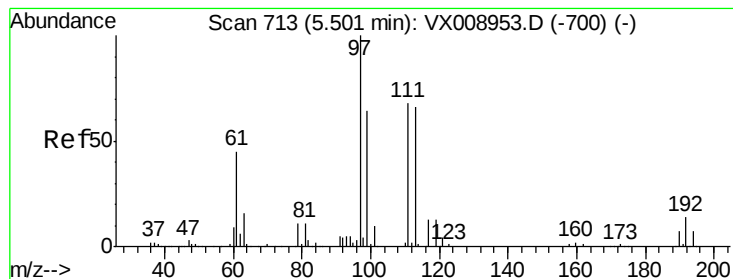


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.469 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

Instrument :

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ClientSampleId :

DUP-0509-190415

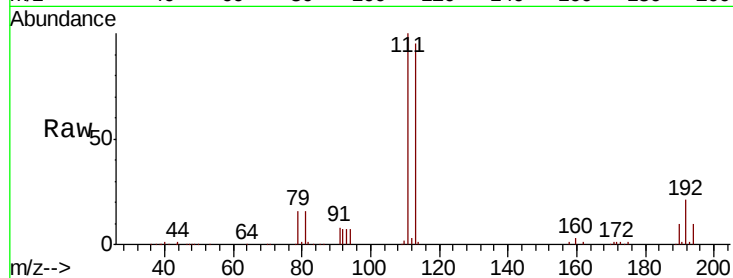
Tot Ion:113 Resp: 120763

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

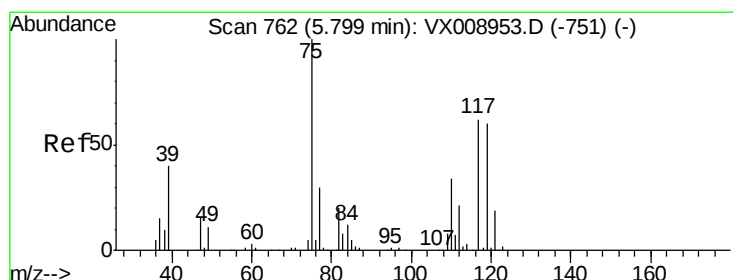
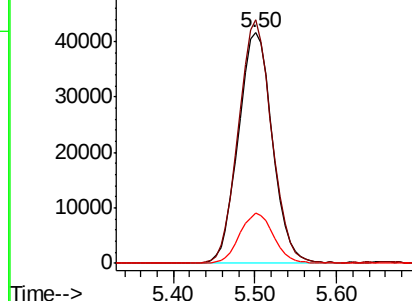
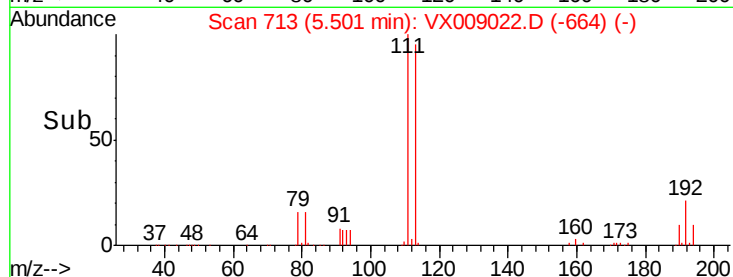
192 21.8 17.4 26.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.718 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

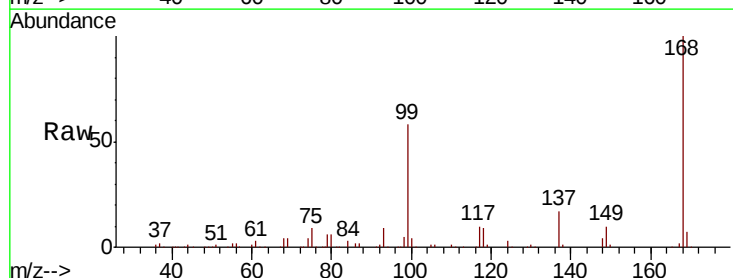
Tgt Ion: 75 Resp: 19757

Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.7#

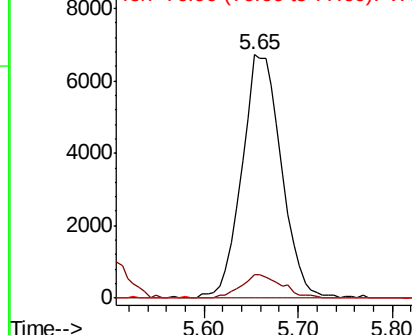
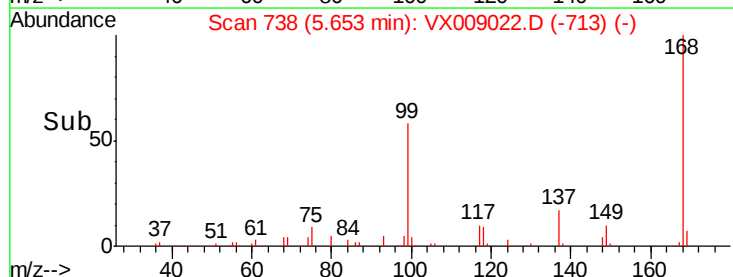
77 0.0 25.0 37.4#

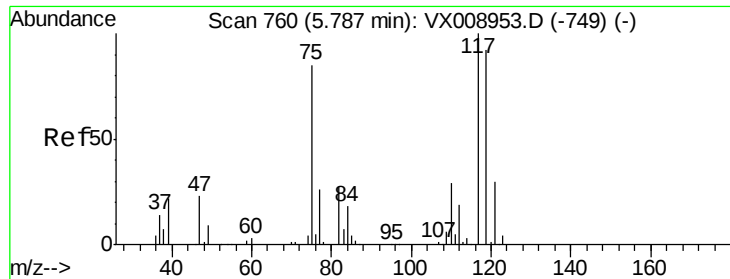


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

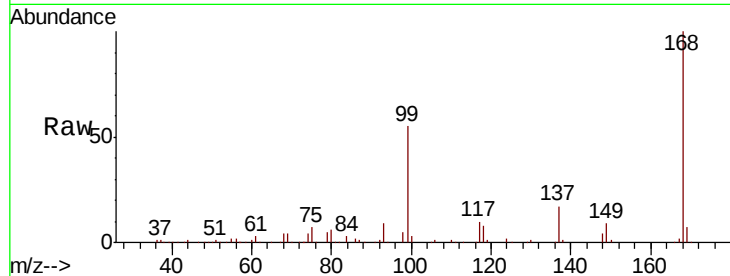




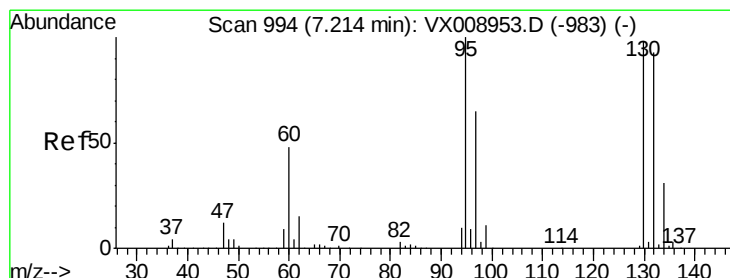
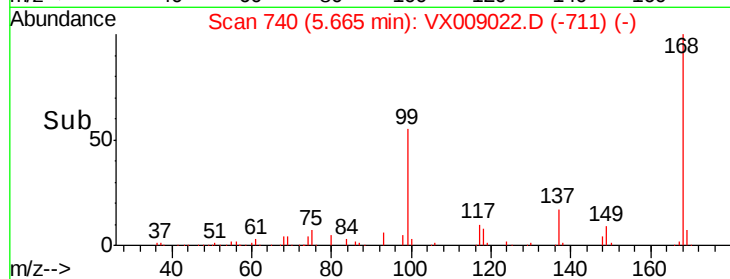
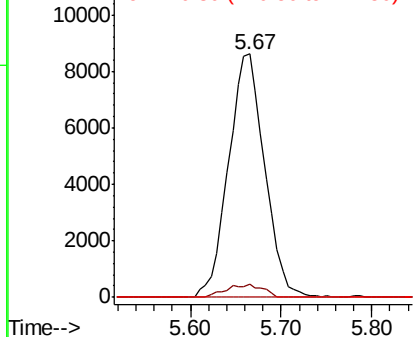
#38
Carbon Tetrachloride
Concen: 6.712 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

Instrument :
MSVOA_X
ClientSampleId :
DUP-0509-190415

Tot Ion:117 Resp: 23829
Ion Ratio Lower Upper
117 100
119 5.5 73.8 110.8#
121 0.0 23.6 35.4#

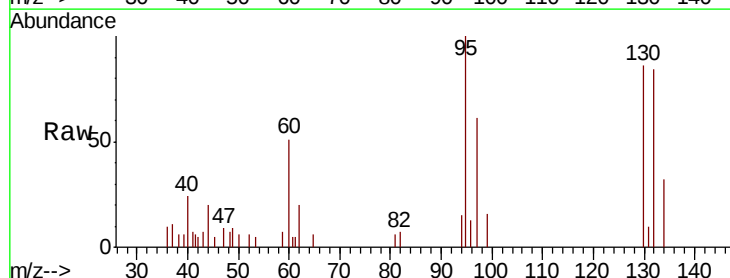


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

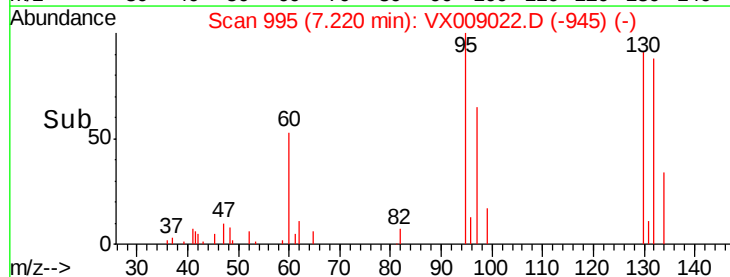
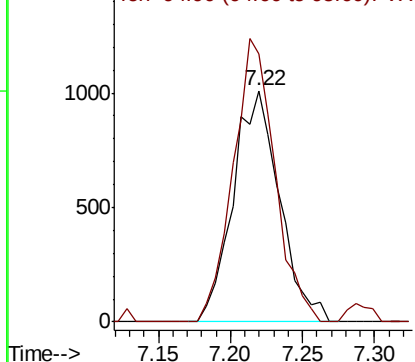


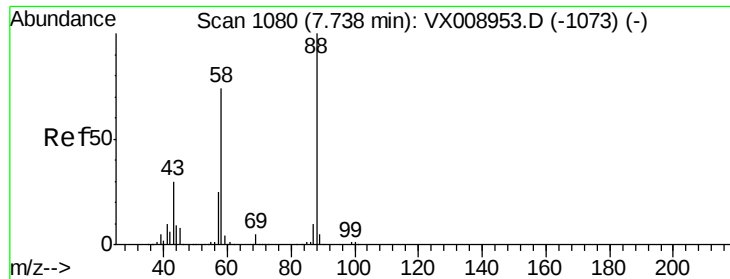
#44
Trichloroethene
Concen: 0.746 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

Tgt Ion:130 Resp: 2259
Ion Ratio Lower Upper
130 100
95 115.7 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

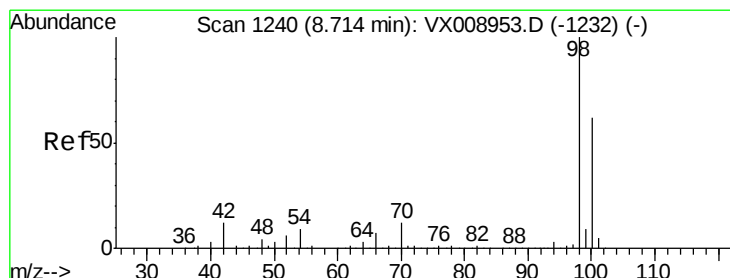
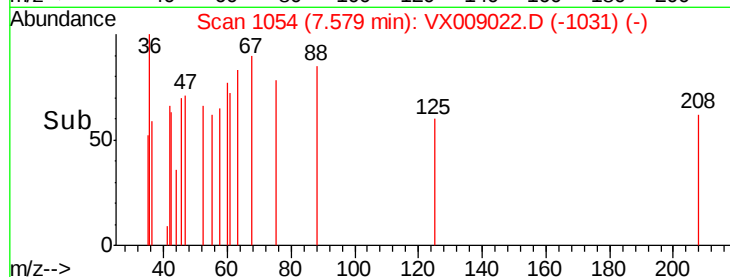
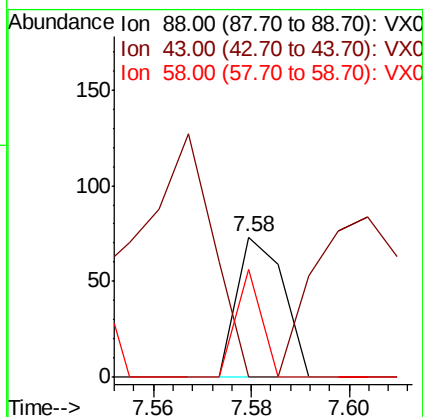
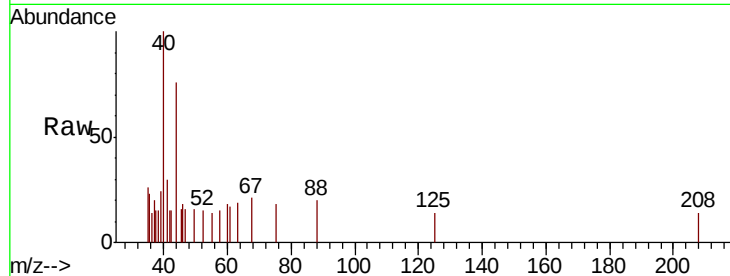




#49
1,4-Dioxane
Concen: 0.598 ug/l
RT: 7.58 min Scan# 1054
Delta R.T. -0.16 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

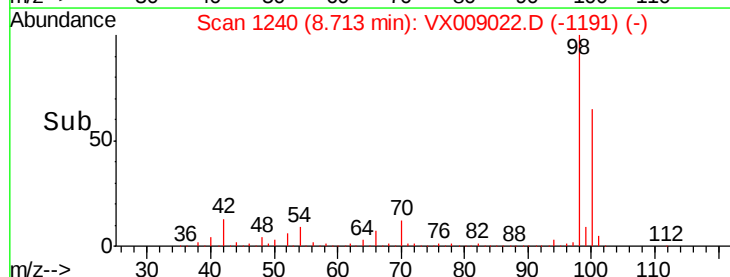
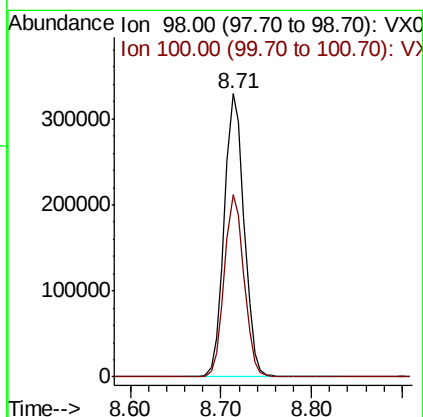
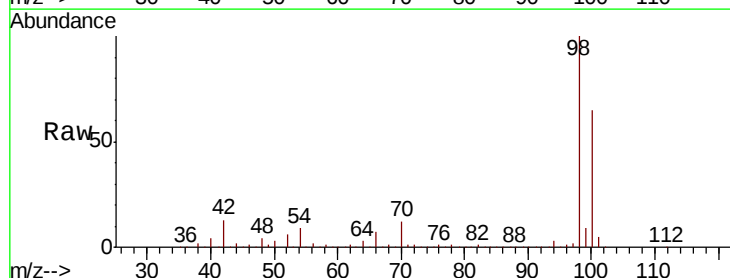
Instrument :
MSVOA_X
ClientSampleId :
DUP-0509-190415

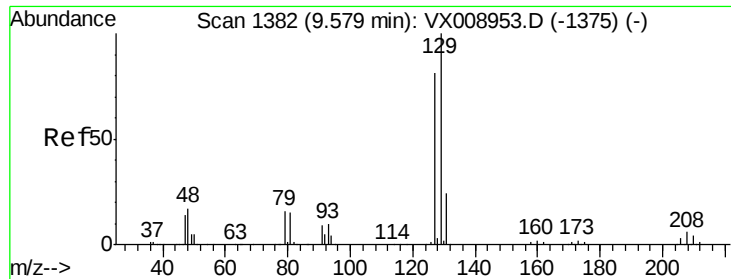
Tot Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 262.5 29.3 43.9#
58 41.7 62.6 93.8#



#50
Toluene-d8
Concen: 48.605 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

Tgt Ion: 98 Resp: 503752
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.2

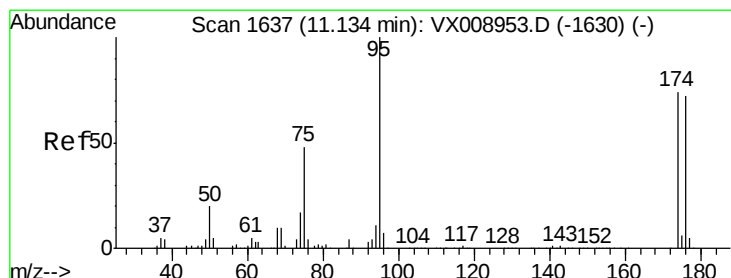
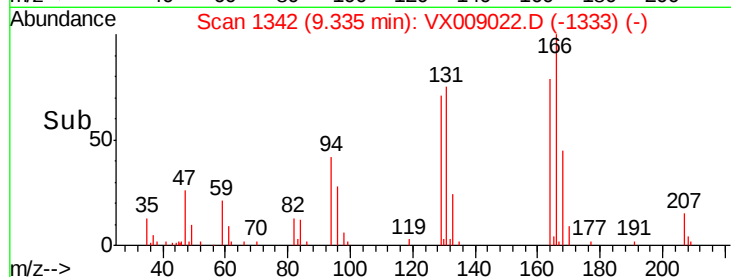
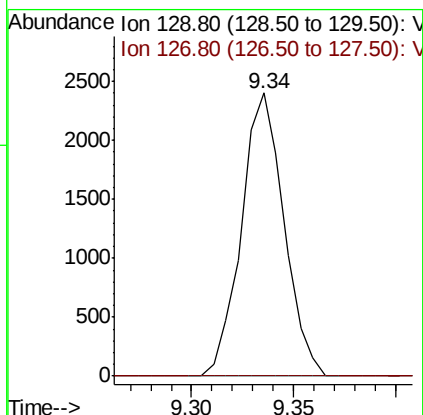
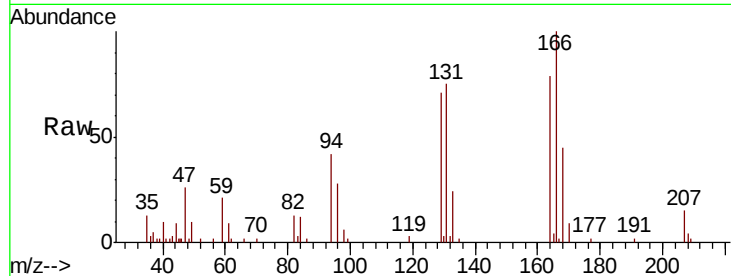




#60
 Dibromochloromethane
 Concen: 1.238 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009022.D
 Acq: 17 Apr 2019 18:07

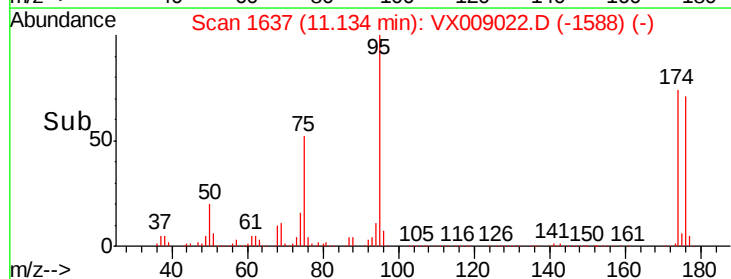
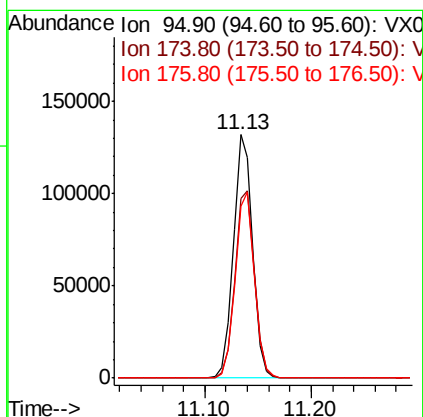
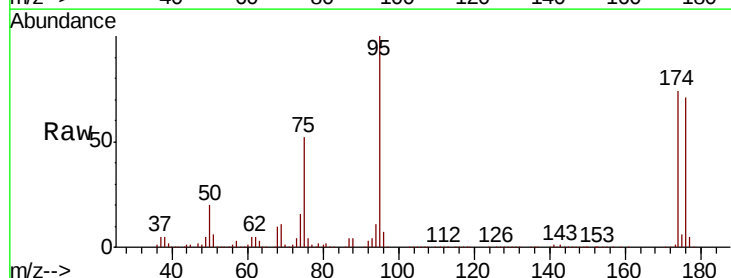
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0509-190415

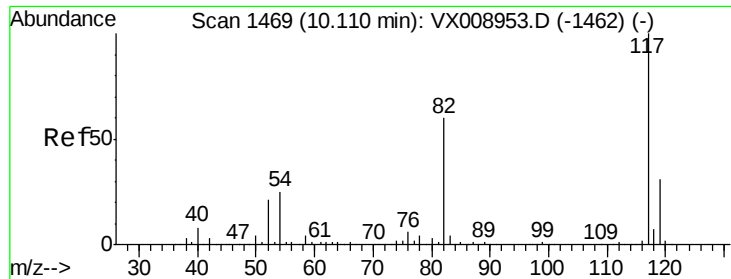
Tot Ion:129 Resp: 3482
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 45.480 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009022.D
 Acq: 17 Apr 2019 18:07

Tgt Ion: 95 Resp: 166390
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 159.6
 176 76.7 0.0 154.8

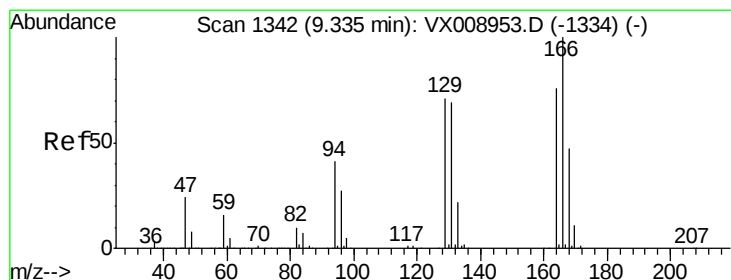
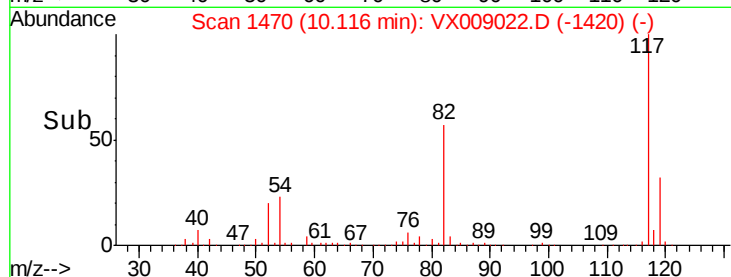
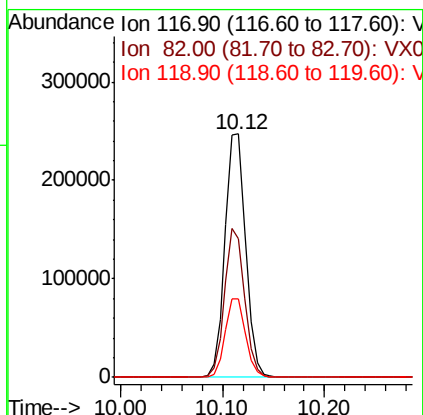
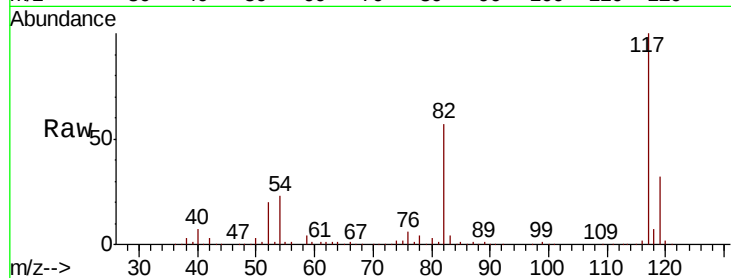




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

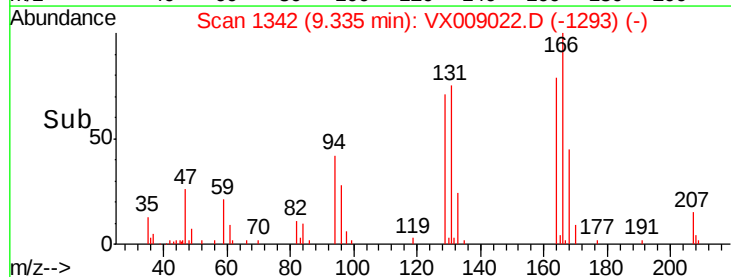
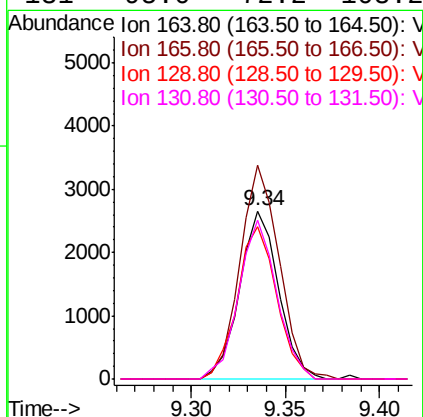
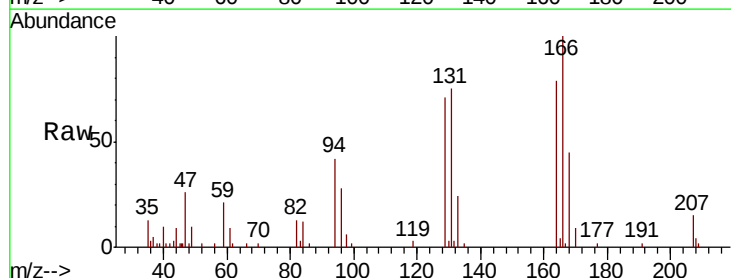
Instrument :
MSVOA_X
ClientSampleId :
DUP-0509-190415

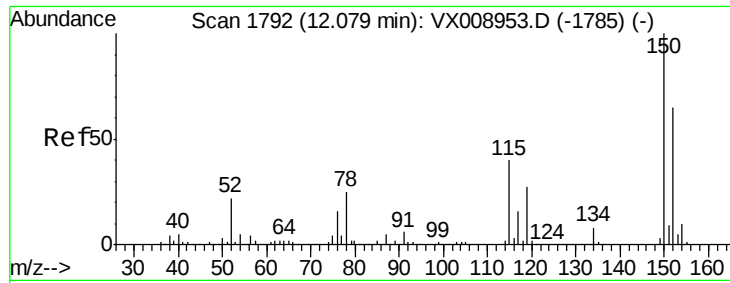
Tot Ion:117 Resp: 347753
Ion Ratio Lower Upper
117 100
82 56.9 48.2 72.4
119 32.1 25.0 37.6



#64
Tetrachloroethene
Concen: 1.440 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009022.D
Acq: 17 Apr 2019 18:07

Tgt Ion:164 Resp: 3805
Ion Ratio Lower Upper
164 100
166 127.3 105.0 157.4
129 90.5 74.2 111.4
131 95.0 72.2 108.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0509-190415

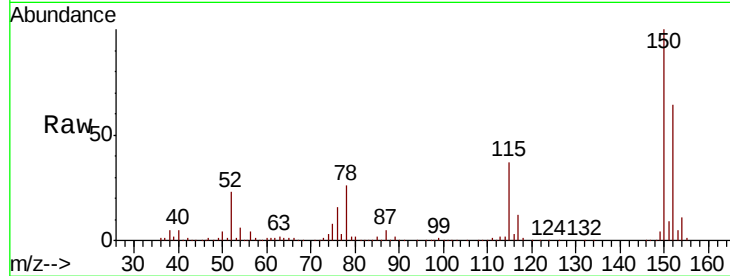
Tot Ion:152 Resp: 145760

Ion Ratio Lower Upper

152 100

115 59.4 41.4 124.2

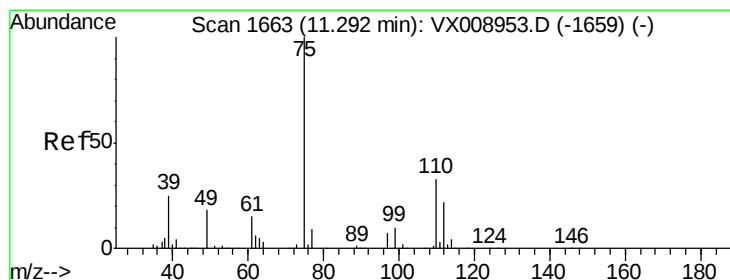
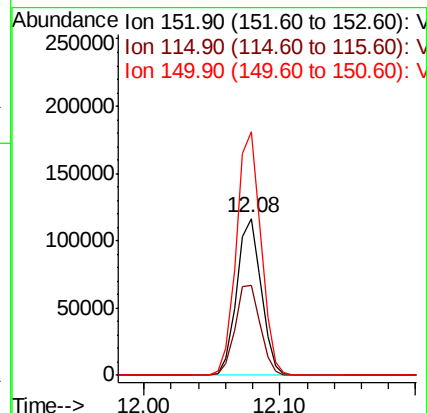
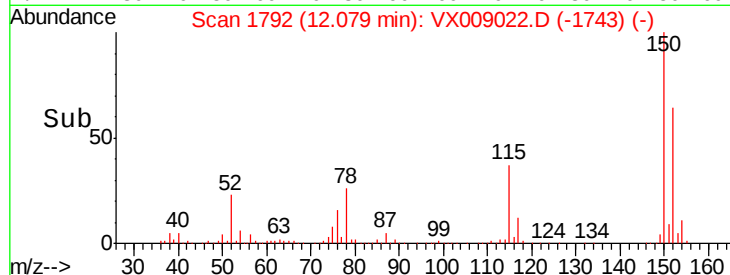
150 156.0 0.0 349.8



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: 23.771 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009022.D

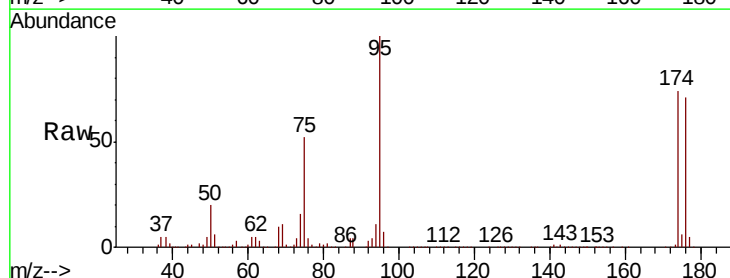
Acq: 17 Apr 2019 18:07

Tgt Ion: 75 Resp: 84605

Ion Ratio Lower Upper

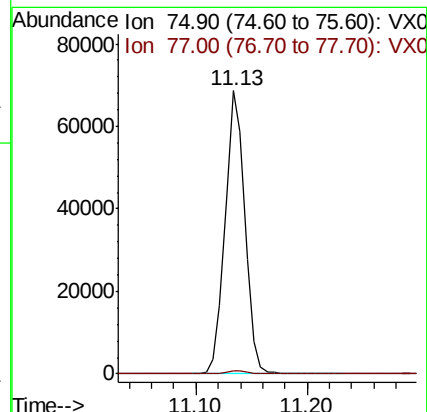
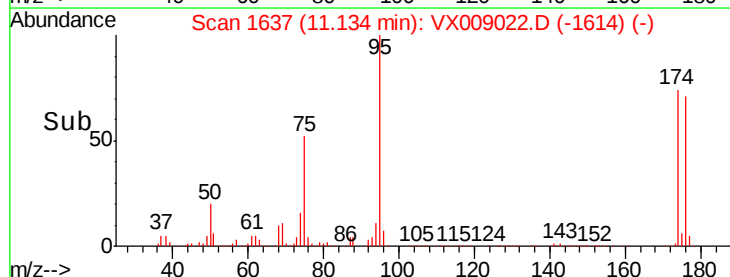
75 100

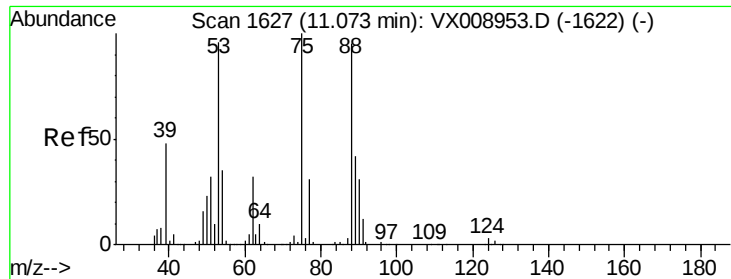
77 1.4 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.027 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009022.D

Acq: 17 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0509-190415

Tot Ion: 75 Resp: 84605

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

