

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009284.D
 Acq On : 02 May 2019 19:35
 Operator : JC/SP
 Sample : K2659-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0516-190429

Quant Time: May 03 02:44:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108696	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	125151	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.50	113	92209	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	377731	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.13	95	122647	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	

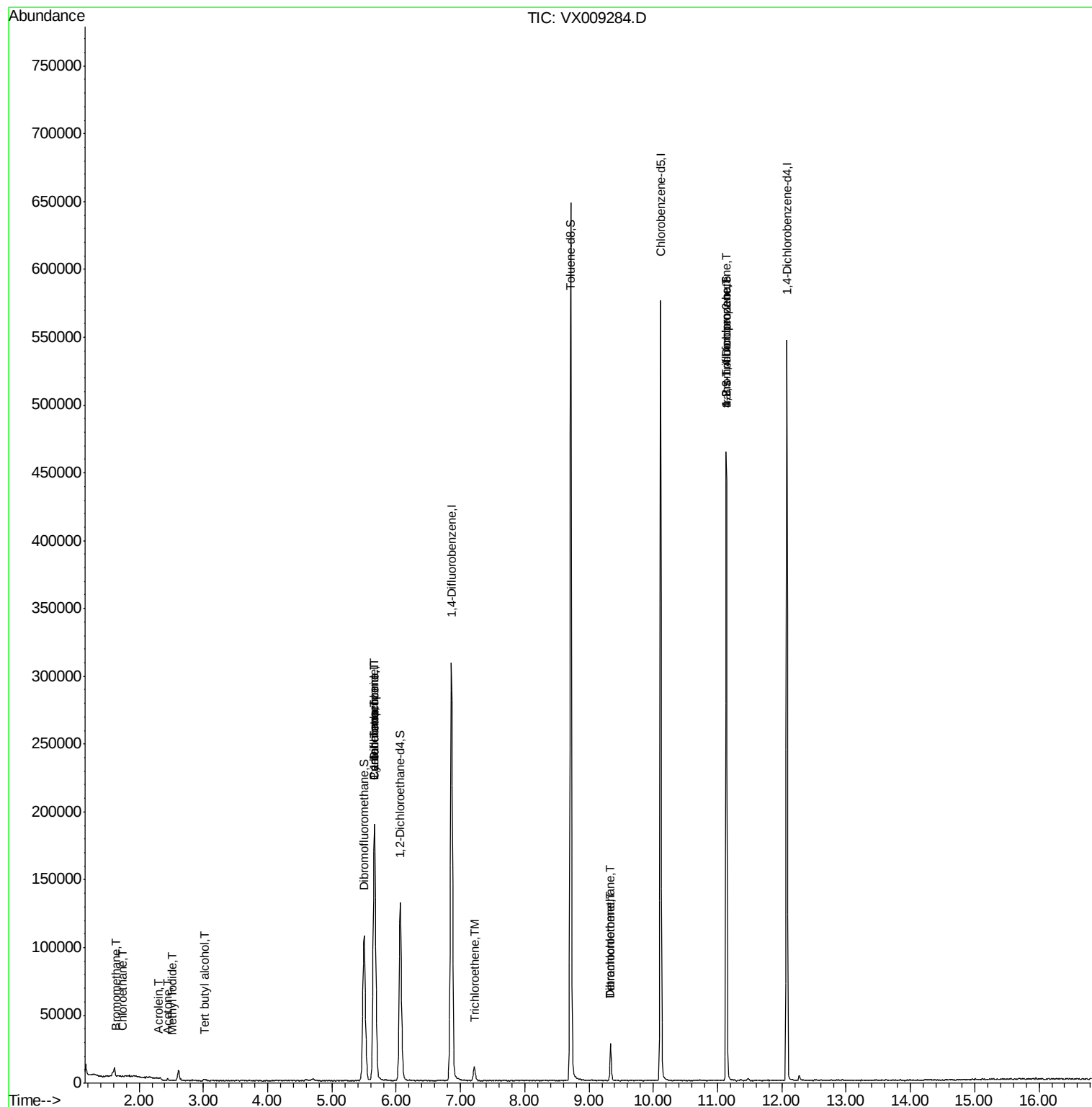
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	297	0.216	ug/l #	62
6) Chloroethane	1.73	64	646	0.439	ug/l #	69
10) Methyl Iodide	2.53	142	41	4.612	ug/l #	42
11) Tert butyl alcohol	3.02	59	838	1.419	ug/l #	73
13) Acrolein	2.30	56	187	0.350	ug/l #	83
16) Acetone	2.45	43	1154	0.842	ug/l	98
28) Bromochloromethane	5.00	49	19	Below Cal	#	20
31) Cyclohexane	5.66	56	4480	1.188	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14212	5.088	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17086	6.732	ug/l #	14
44) Trichloroethene	7.21	130	3923	1.877	ug/l	97
60) Dibromochloromethane	9.34	129	4925	2.352	ug/l #	11
64) Tetrachloroethene	9.34	164	5336	2.955	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	63555	25.207	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63555	64.495	ug/l #	10

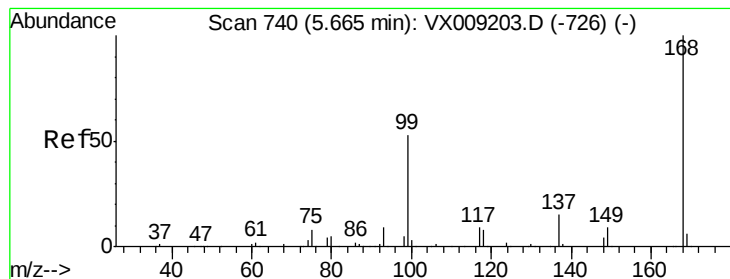
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009284.D

Acq: 02 May 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

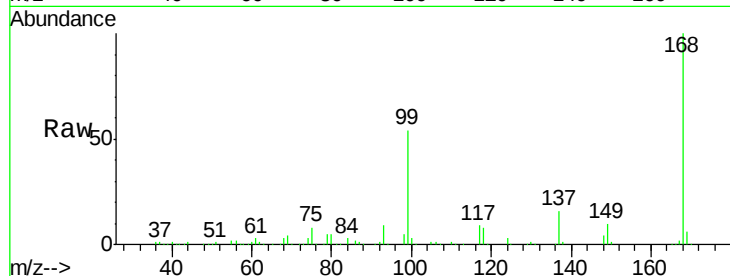
DUP-0516-190429

Tot Ion:168 Resp: 186876

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

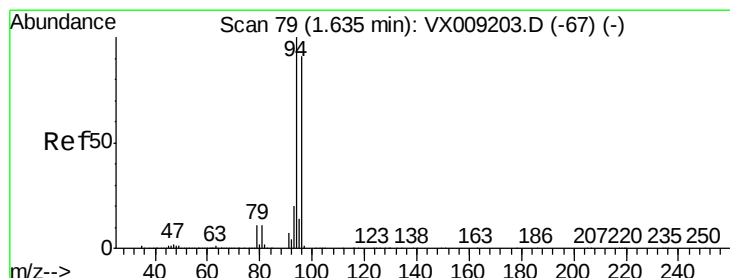
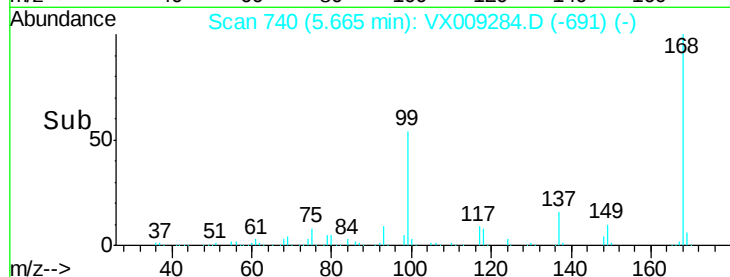
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009284.D

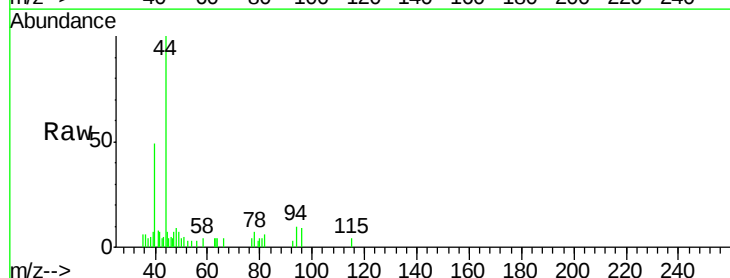
Acq: 02 May 2019 19:35

Tgt Ion: 94 Resp: 297

Ion Ratio Lower Upper

94 100

96 55.3 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

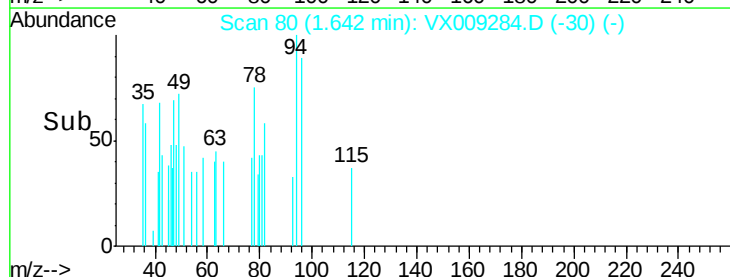
100

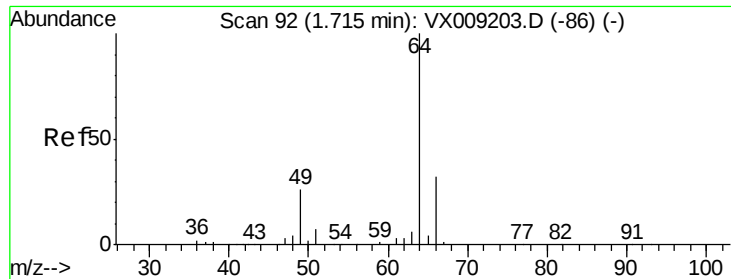
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.439 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009284.D

Acq: 02 May 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

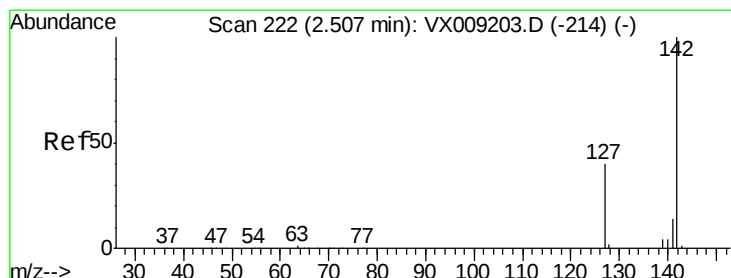
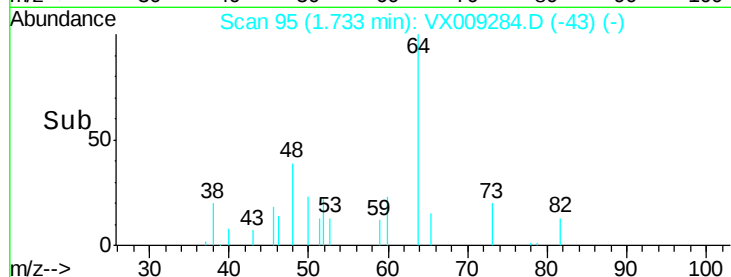
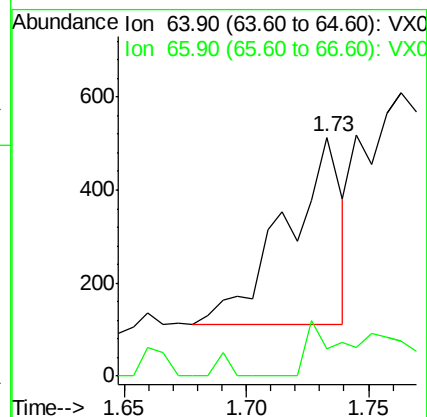
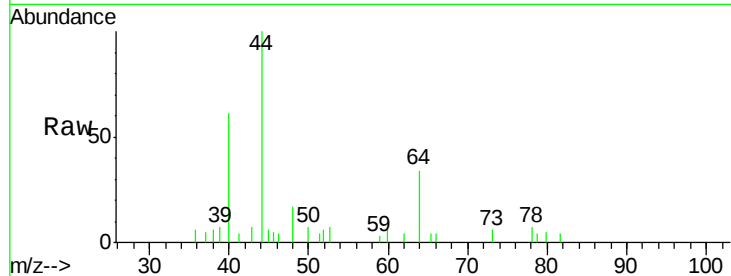
DUP-0516-190429

Tot Ion: 64 Resp: 646

Ion Ratio Lower Upper

64 100

66 14.4 25.3 37.9#



#10

Methyl Iodide

Concen: 4.612 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009284.D

Acq: 02 May 2019 19:35

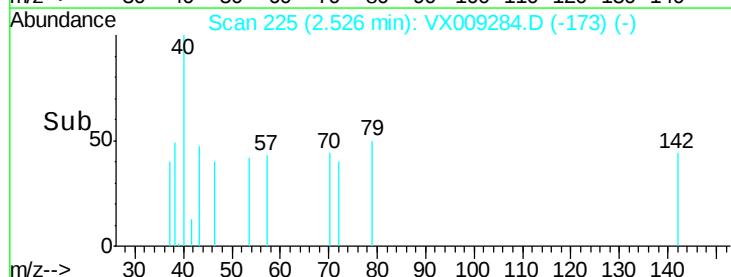
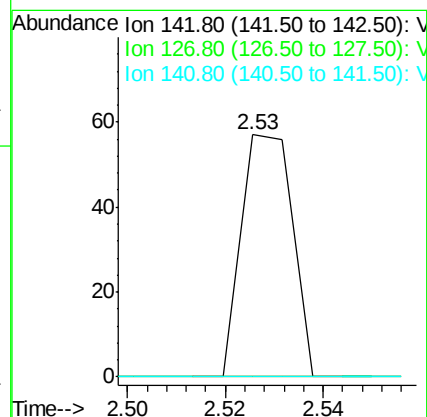
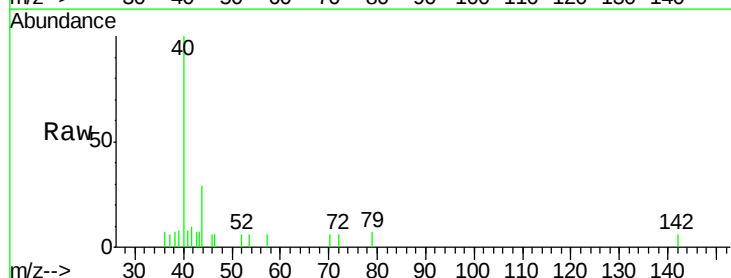
Tgt Ion: 142 Resp: 41

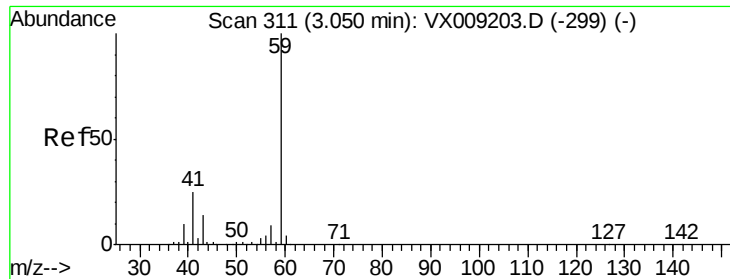
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#

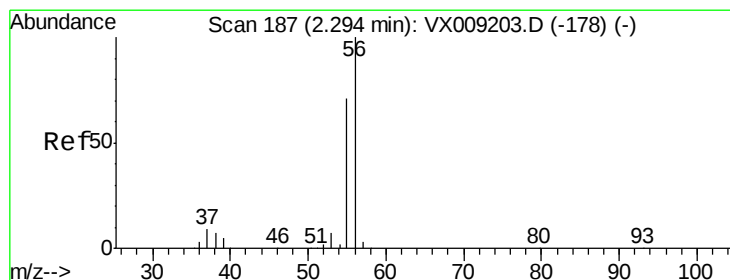
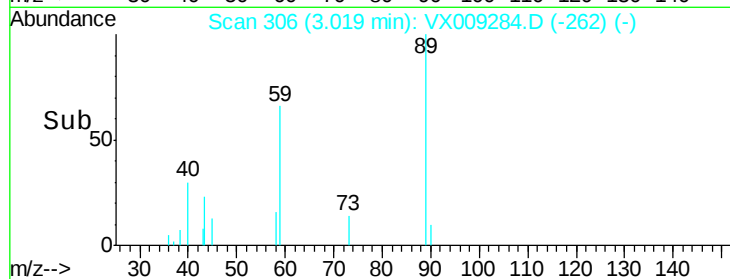
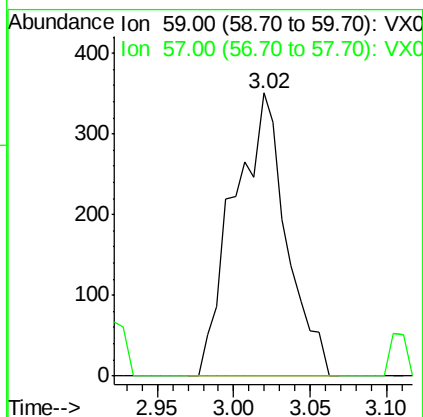
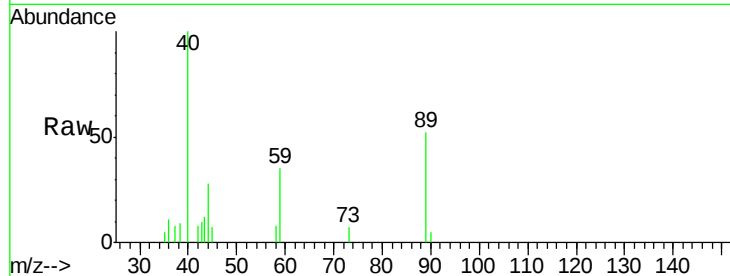




#11
Tert butyl alcohol
Concen: 1.419 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009284.D
Acq: 02 May 2019 19:35

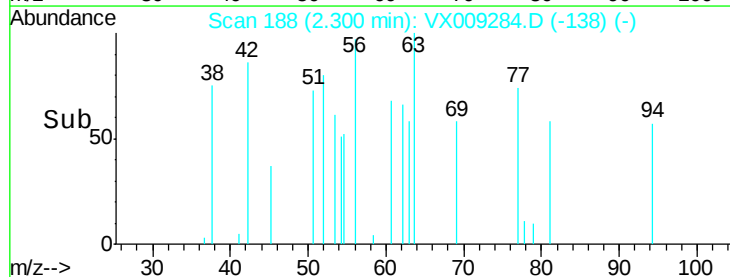
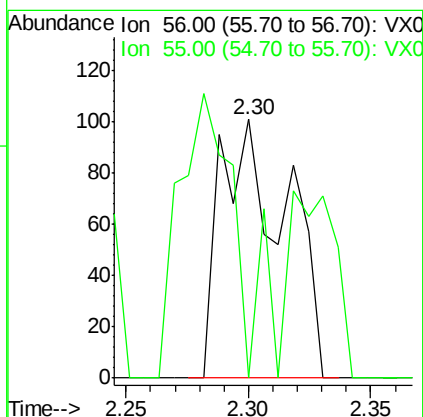
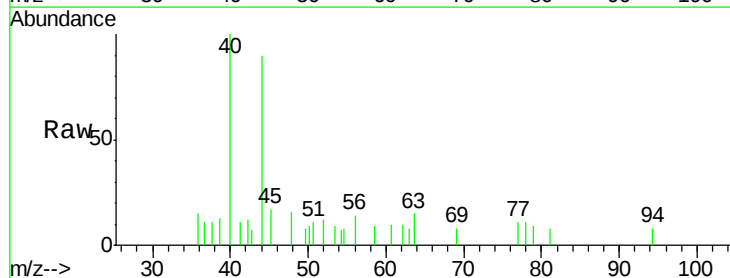
Instrument :
MSVOA_X
ClientSampleId :
DUP-0516-190429

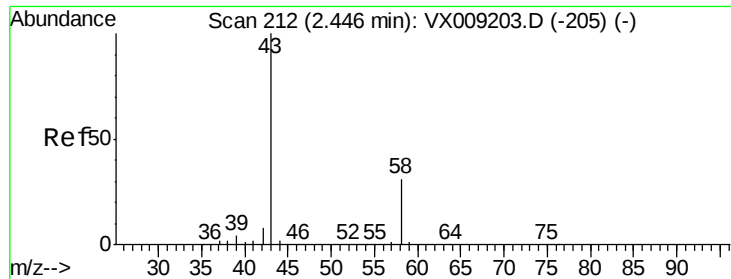
Tot Ion: 59 Resp: 838
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.350 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009284.D
Acq: 02 May 2019 19:35

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 85.0 56.6 85.0#





#16

Acetone

Concen: 0.842 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009284.D

Acq: 02 May 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

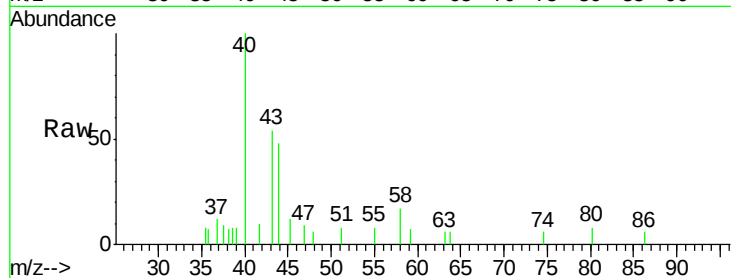
DUP-0516-190429

Tot Ion: 43 Resp: 1154

Ion Ratio Lower Upper

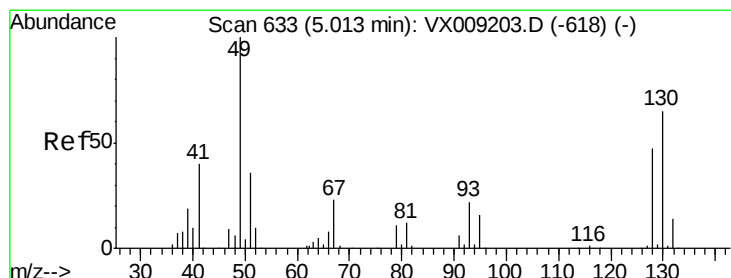
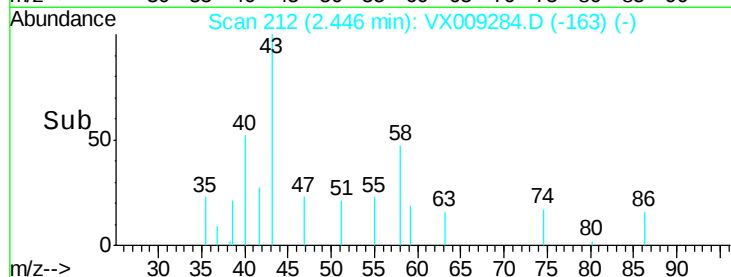
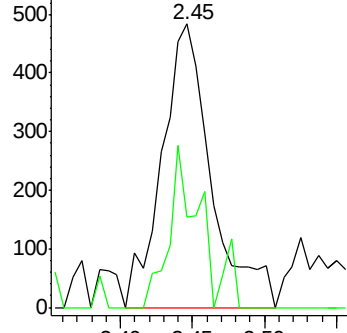
43 100

58 32.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009284.D

Acq: 02 May 2019 19:35

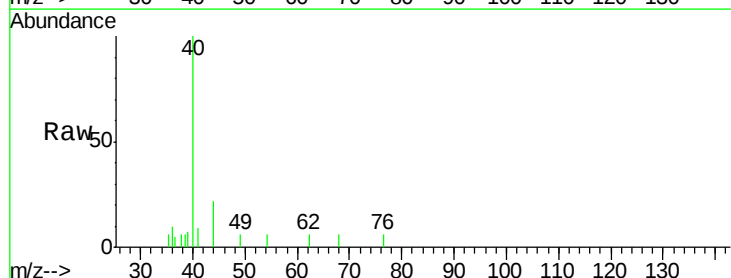
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

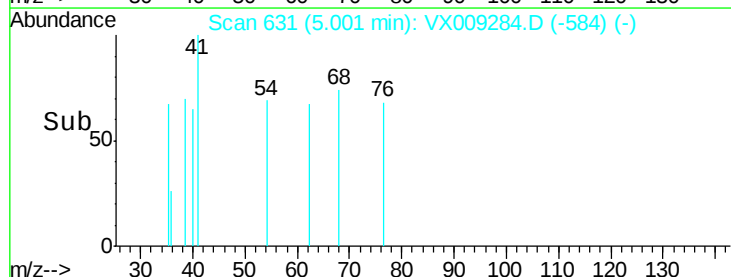
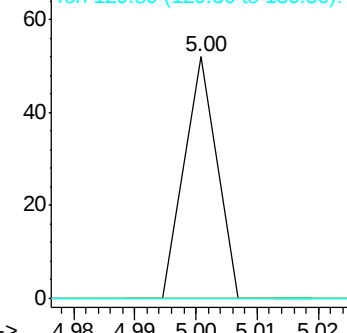
130 0.0 51.2 76.8#

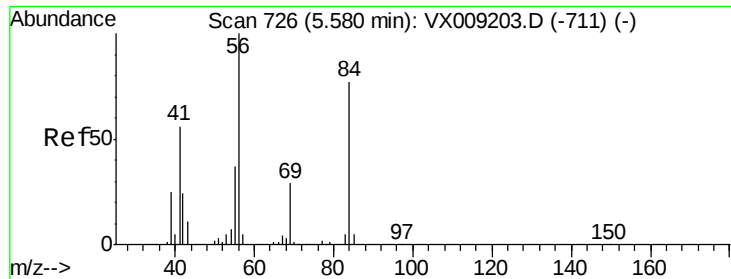


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

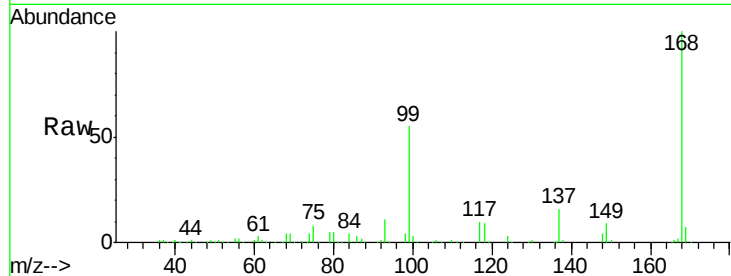




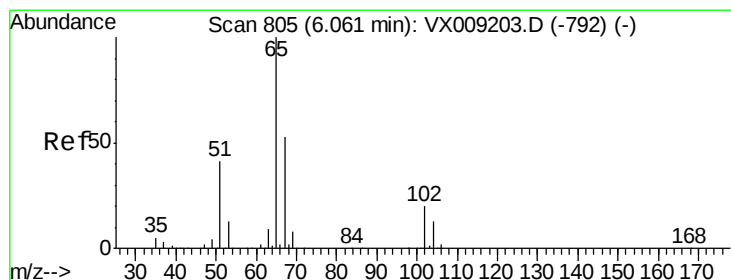
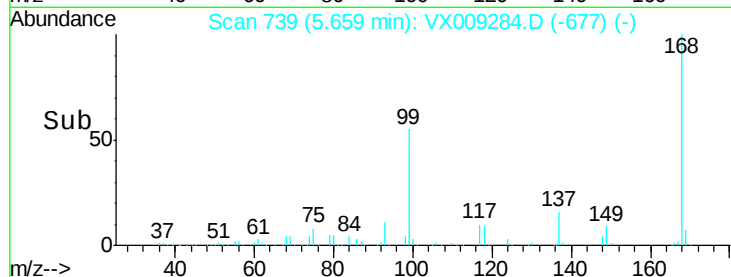
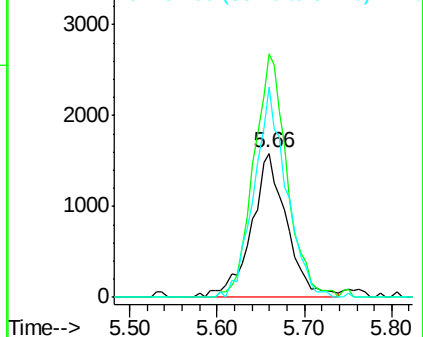
#31
Cyclohexane
Concen: 1.188 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009284.D
Acq: 02 May 2019 19:35

Instrument :
MSVOA_X
ClientSampleId :
DUP-0516-190429

Tot Ion: 56 Resp: 4480
Ion Ratio Lower Upper
56 100
69 169.3 23.4 35.0#
84 146.0 61.9 92.9#

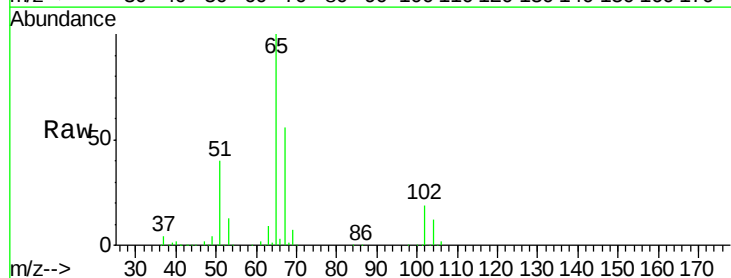


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

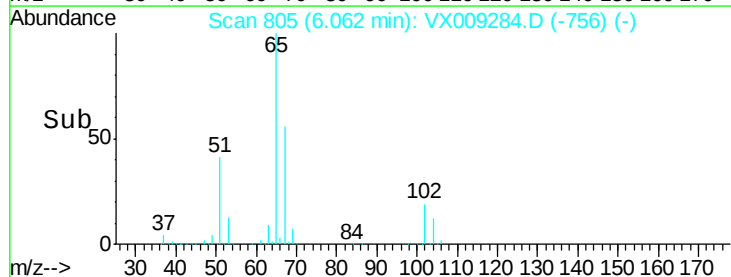
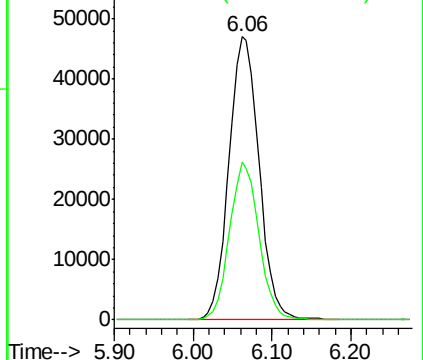


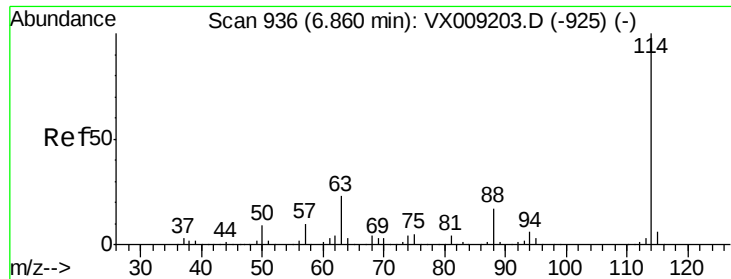
#33
1,2-Dichloroethane-d4
Concen: 49.058 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009284.D
Acq: 02 May 2019 19:35

Tgt Ion: 65 Resp: 125151
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

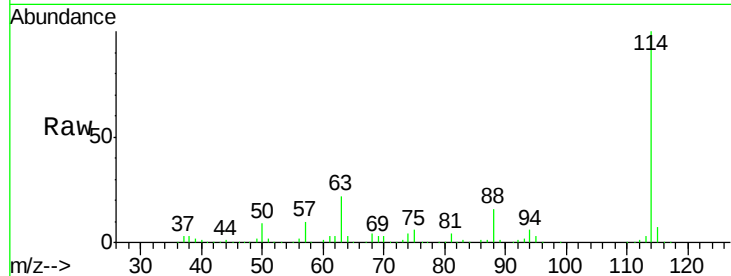




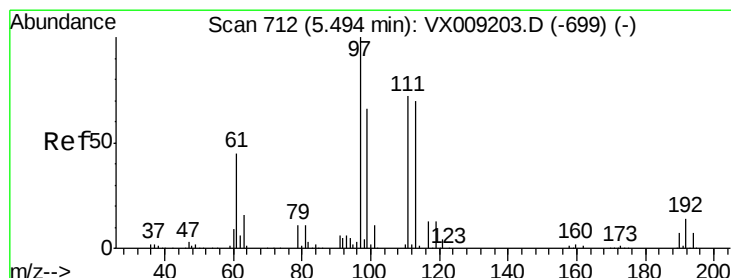
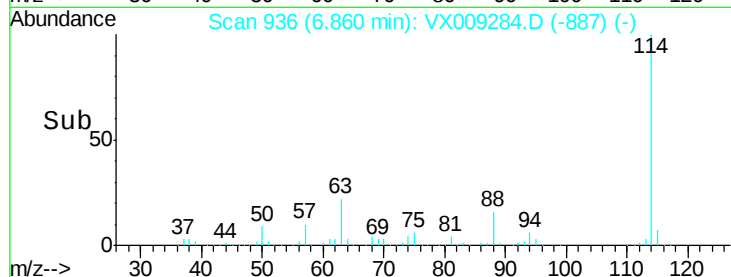
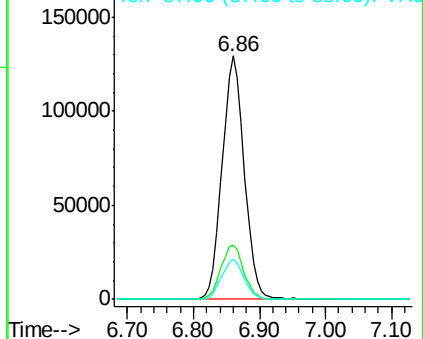
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009284.D
 Acq: 02 May 2019 19:35

Instrument :
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 DUP-0516-190429

Tot Ion:114 Resp: 300590
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.3 0.0 33.2

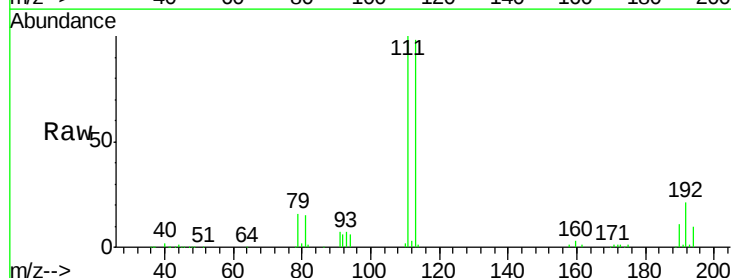


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

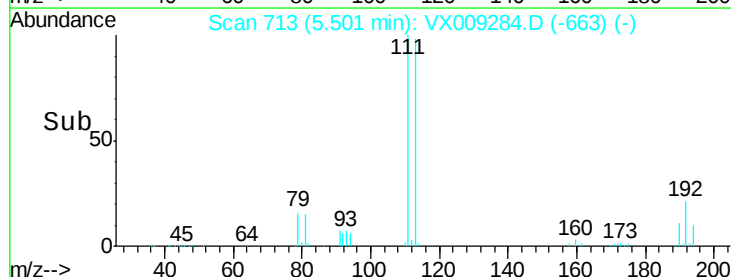
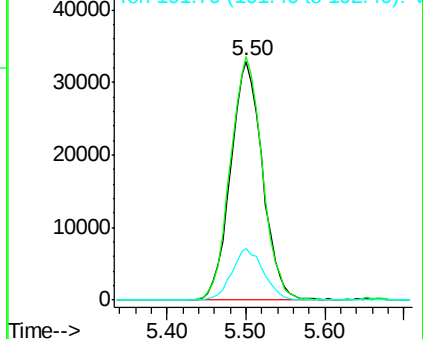


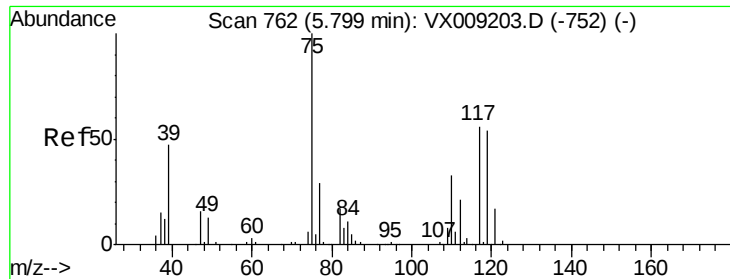
#35
 Dibromofluoromethane
 Concen: 48.797 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009284.D
 Acq: 02 May 2019 19:35

Tgt Ion:113 Resp: 92209
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.8 124.2
 192 21.7 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

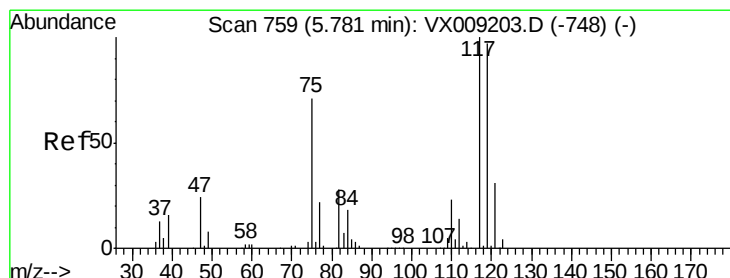
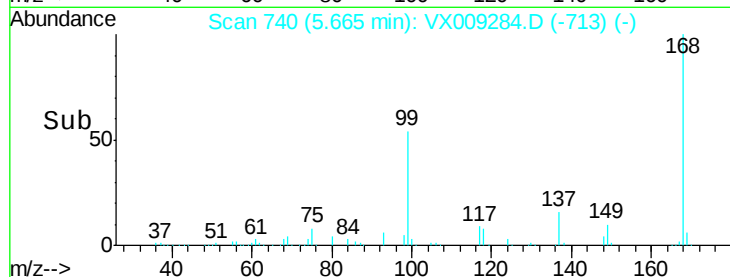
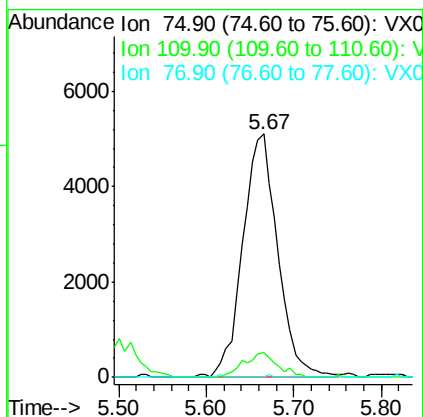
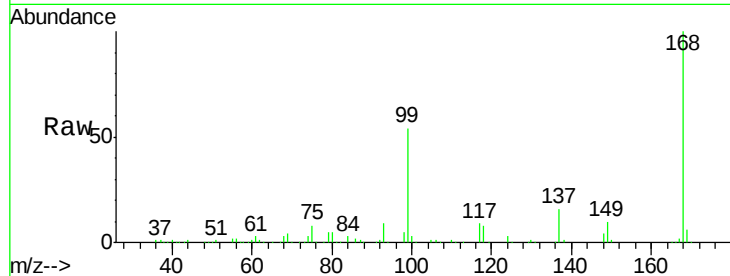




#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009284.D
 Acq: 02 May 2019 19:35

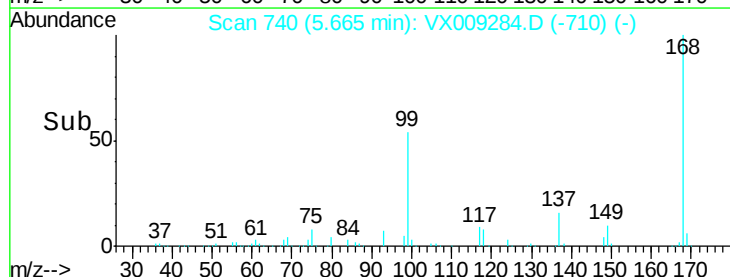
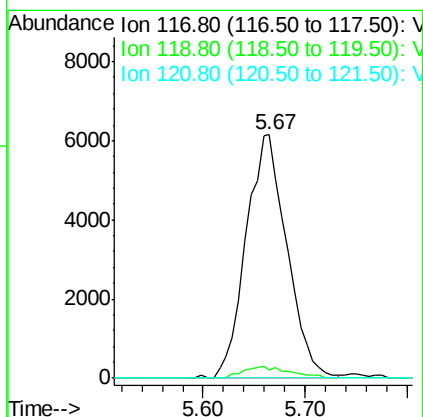
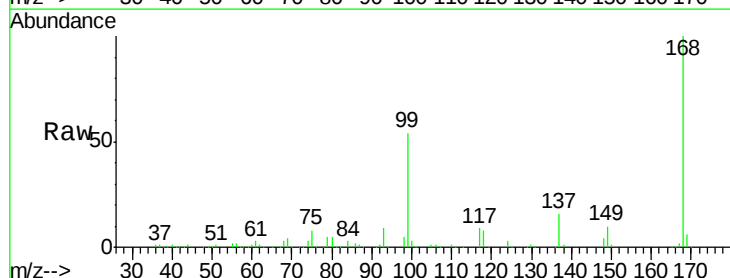
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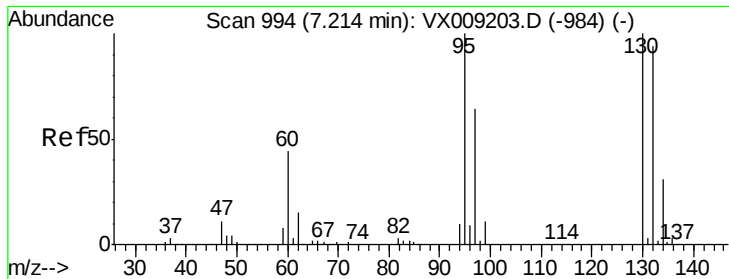
Tot Ion: 75 Resp: 14212
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.9 50.6#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.732 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009284.D
 Acq: 02 May 2019 19:35

Tgt Ion: 117 Resp: 17086
 Ion Ratio Lower Upper
 117 100
 119 3.5 77.5 116.3#
 121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 1.877 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009284.D

Acq: 02 May 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

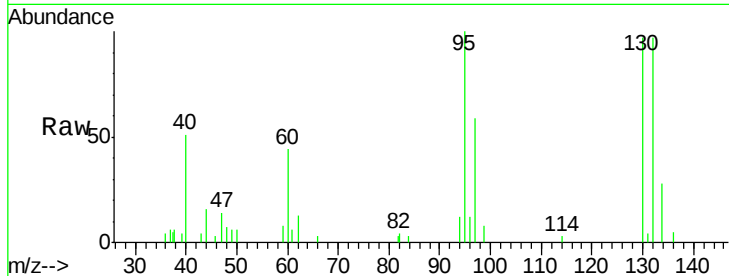
DUP-0516-190429

Tot Ion:130 Resp: 3923

Ion Ratio Lower Upper

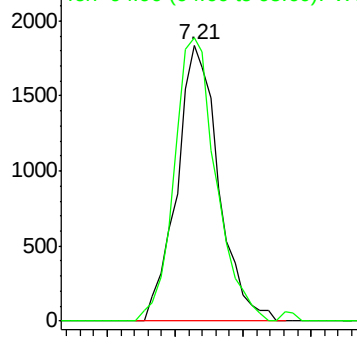
130 100

95 102.6 0.0 199.2

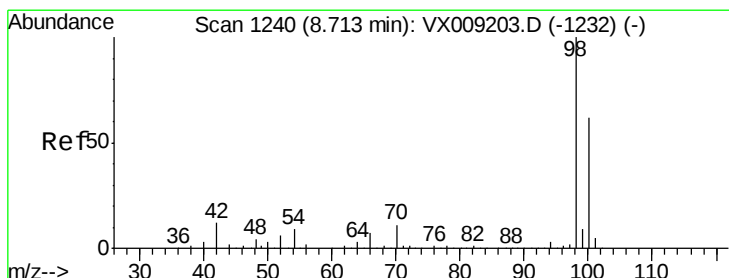
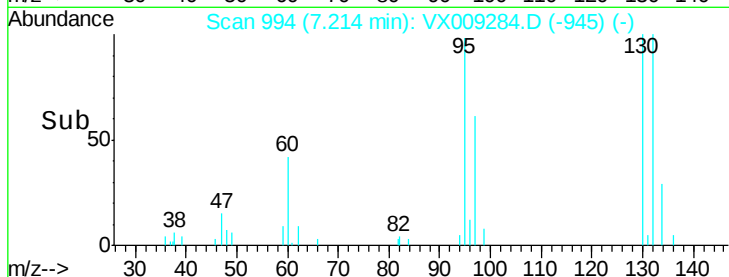


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time-->



#50

Toluene-d8

Concen: 49.513 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009284.D

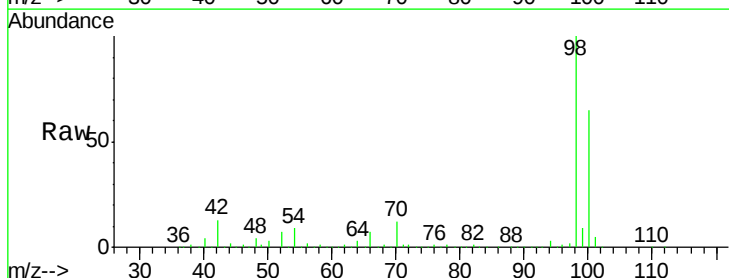
Acq: 02 May 2019 19:35

Tgt Ion: 98 Resp: 377731

Ion Ratio Lower Upper

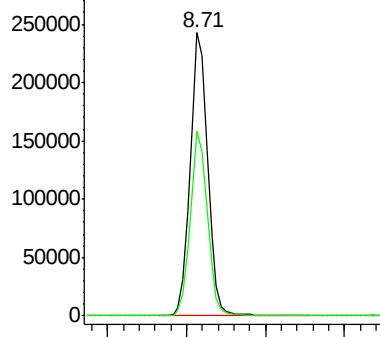
98 100

100 64.1 51.2 76.8

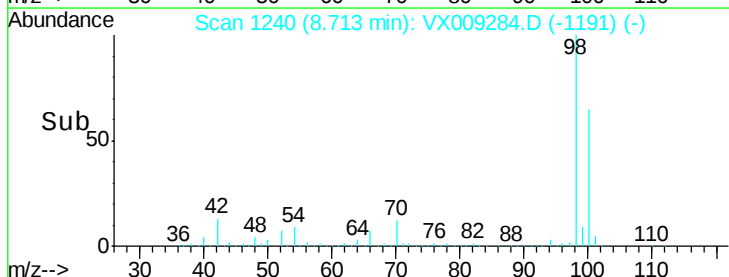


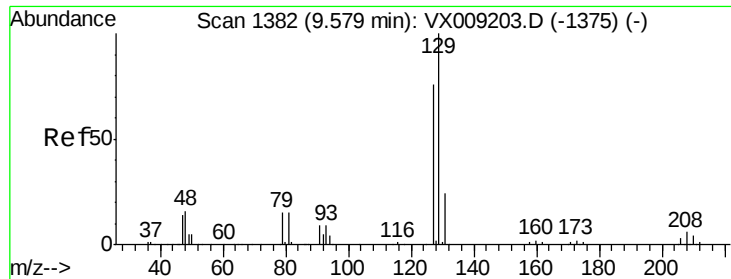
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->

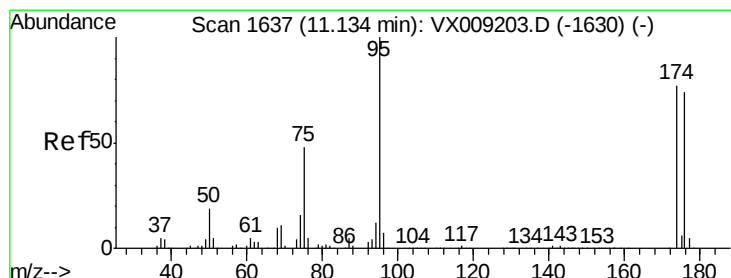
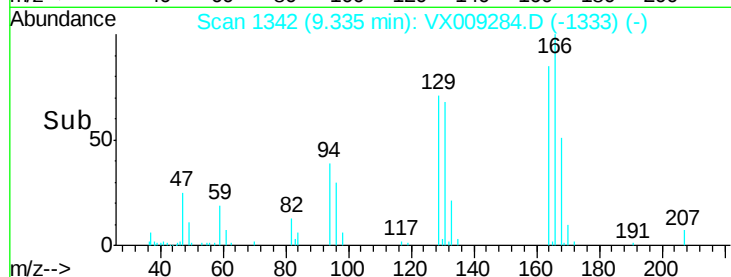
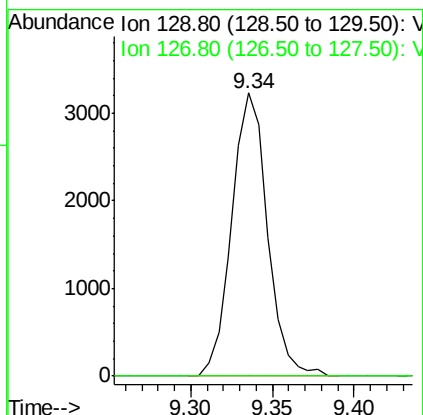
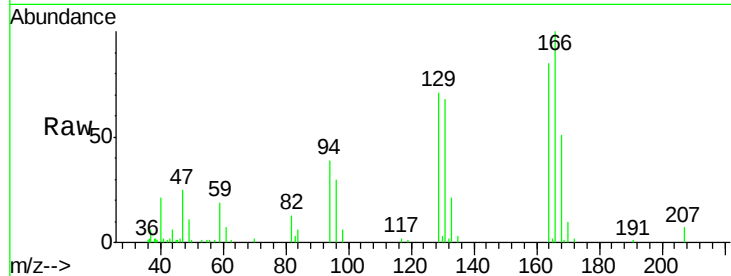




#60
 Dibromochloromethane
 Concen: 2.352 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009284.D
 Acq: 02 May 2019 19:35

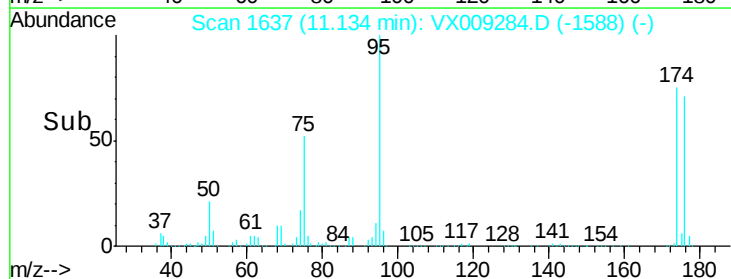
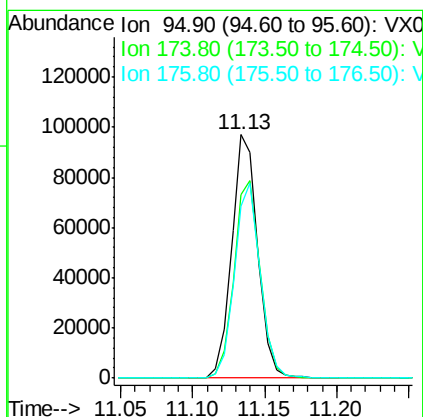
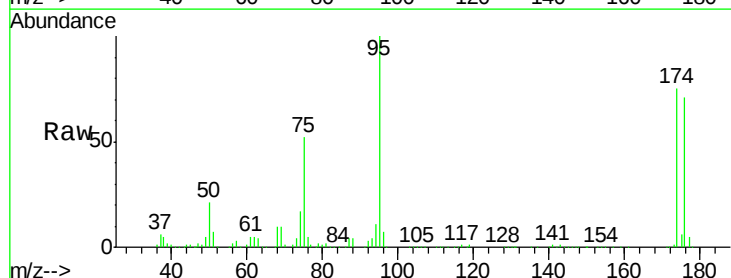
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0516-190429

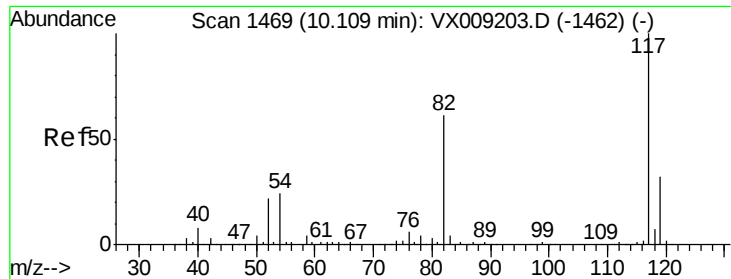
Tot Ion:129 Resp: 4925
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 44.244 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009284.D
 Acq: 02 May 2019 19:35

Tgt Ion: 95 Resp: 122647
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 161.6
 176 79.3 0.0 159.2

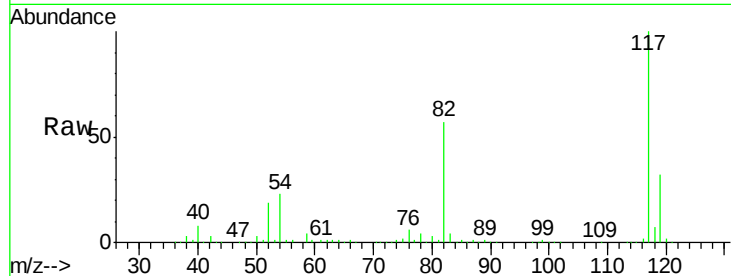




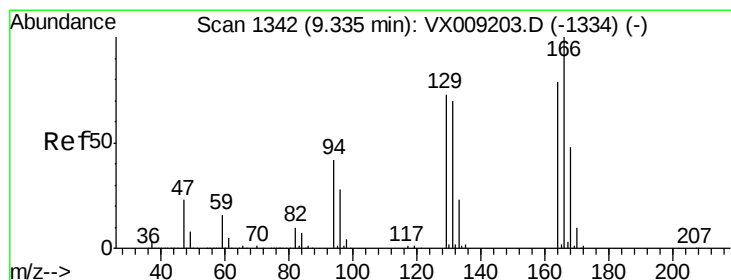
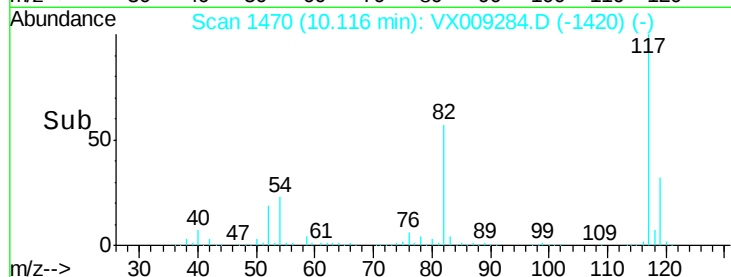
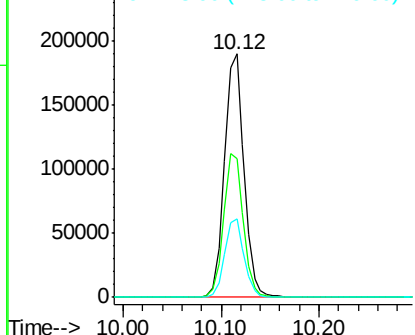
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009284.D
Acq: 02 May 2019 19:35

Instrument :
MSVOA_X
ClientSampleId :
DUP-0516-190429

Tot Ion:117 Resp: 263217
Ion Ratio Lower Upper
117 100
82 57.0 48.8 73.2
119 32.4 25.8 38.6



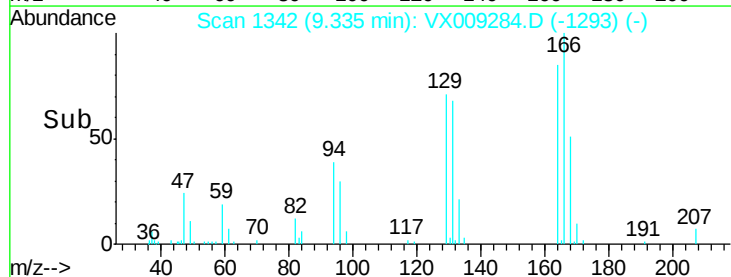
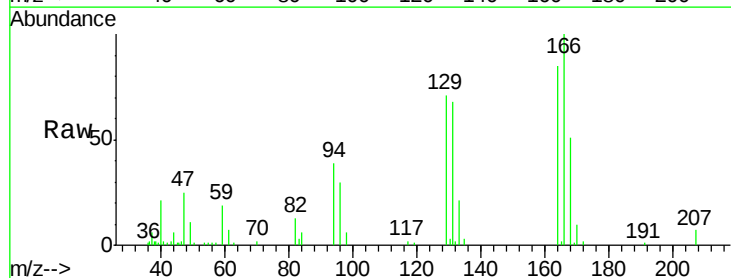
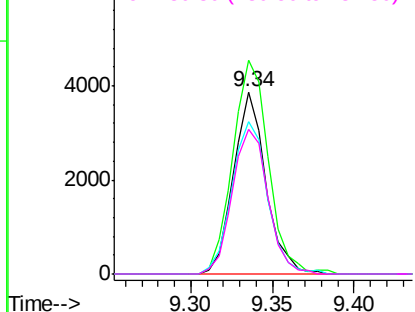
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

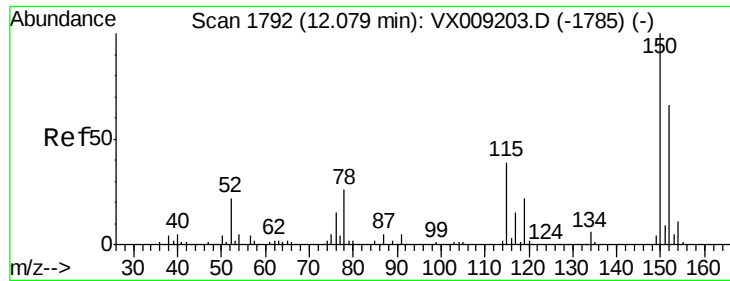


#64
Tetrachloroethene
Concen: 2.955 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009284.D
Acq: 02 May 2019 19:35

Tgt Ion:164 Resp: 5336
Ion Ratio Lower Upper
164 100
166 117.3 101.2 151.8
129 83.5 74.3 111.5
131 79.6 71.0 106.6

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009284.D

Acq: 02 May 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

DUP-0516-190429

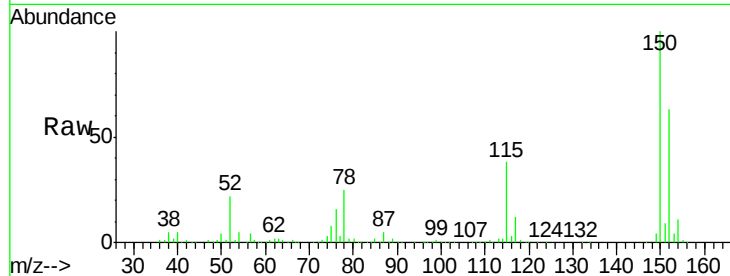
Tot Ion:152 Resp: 108696

Ion Ratio Lower Upper

152 100

115 59.8 41.2 123.6

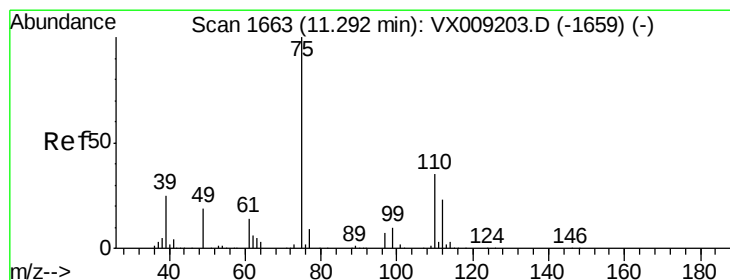
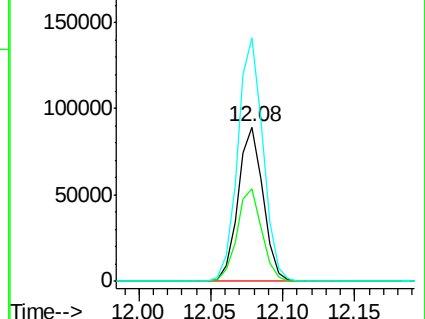
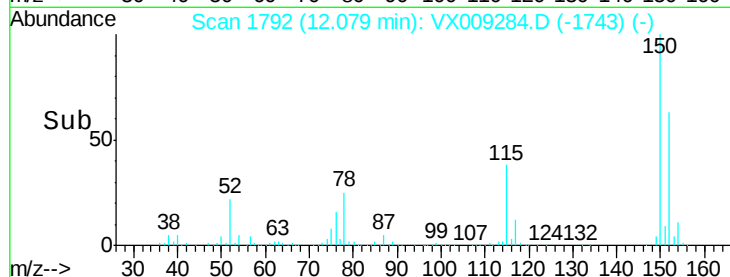
150 159.4 0.0 346.4



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: 25.207 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009284.D

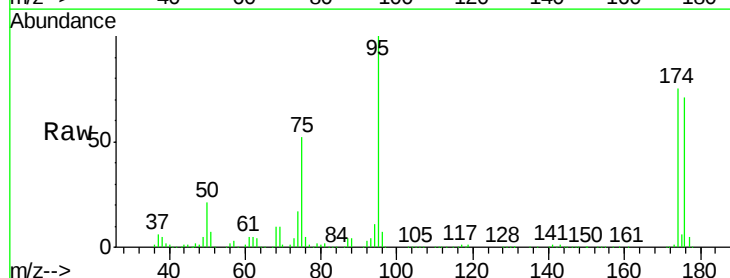
Acq: 02 May 2019 19:35

Tgt Ion: 75 Resp: 63555

Ion Ratio Lower Upper

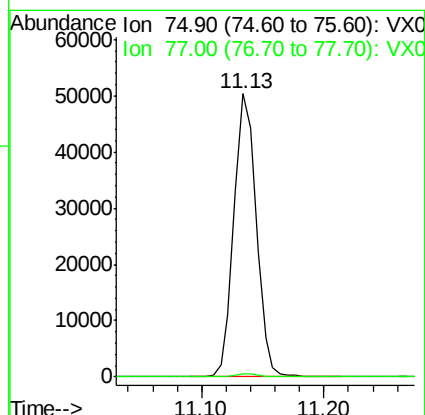
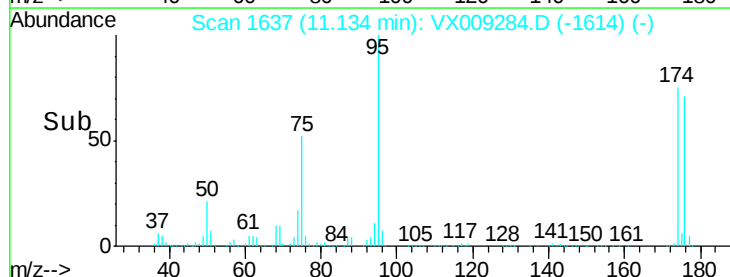
75 100

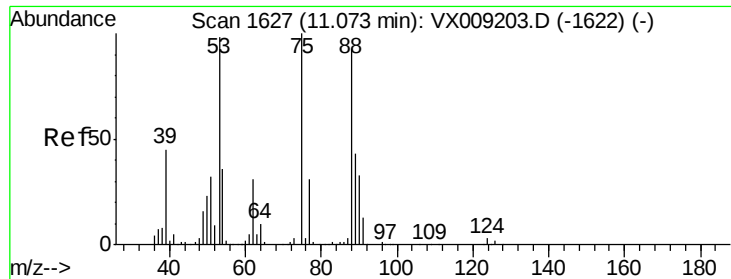
77 1.2 22.1 66.1#



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: 64.495 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009284.D

Acq: 02 May 2019 19:35

Instrument :

MSVOA_X

ClientSampleId :

DUP-0516-190429

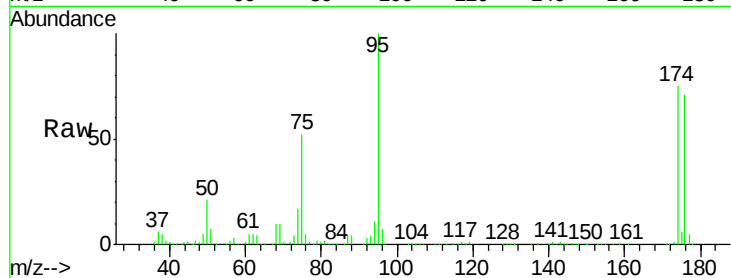
Tot Ion: 75 Resp: 63555

Ion Ratio Lower Upper

75 100

53 0.0 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

