

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002310.D
 Acq On : 05 Jun 2018 17:17
 Operator : JC/MD
 Sample : J3268-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:32:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	336928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	158960	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	166139	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
35) Dibromofluoromethane	5.51	113	120954	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
50) Toluene-d8	8.72	98	484787	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.14	95	160105	40.88	ug/l	0.00
Spiked Amount			Recovery	=	81.76%	

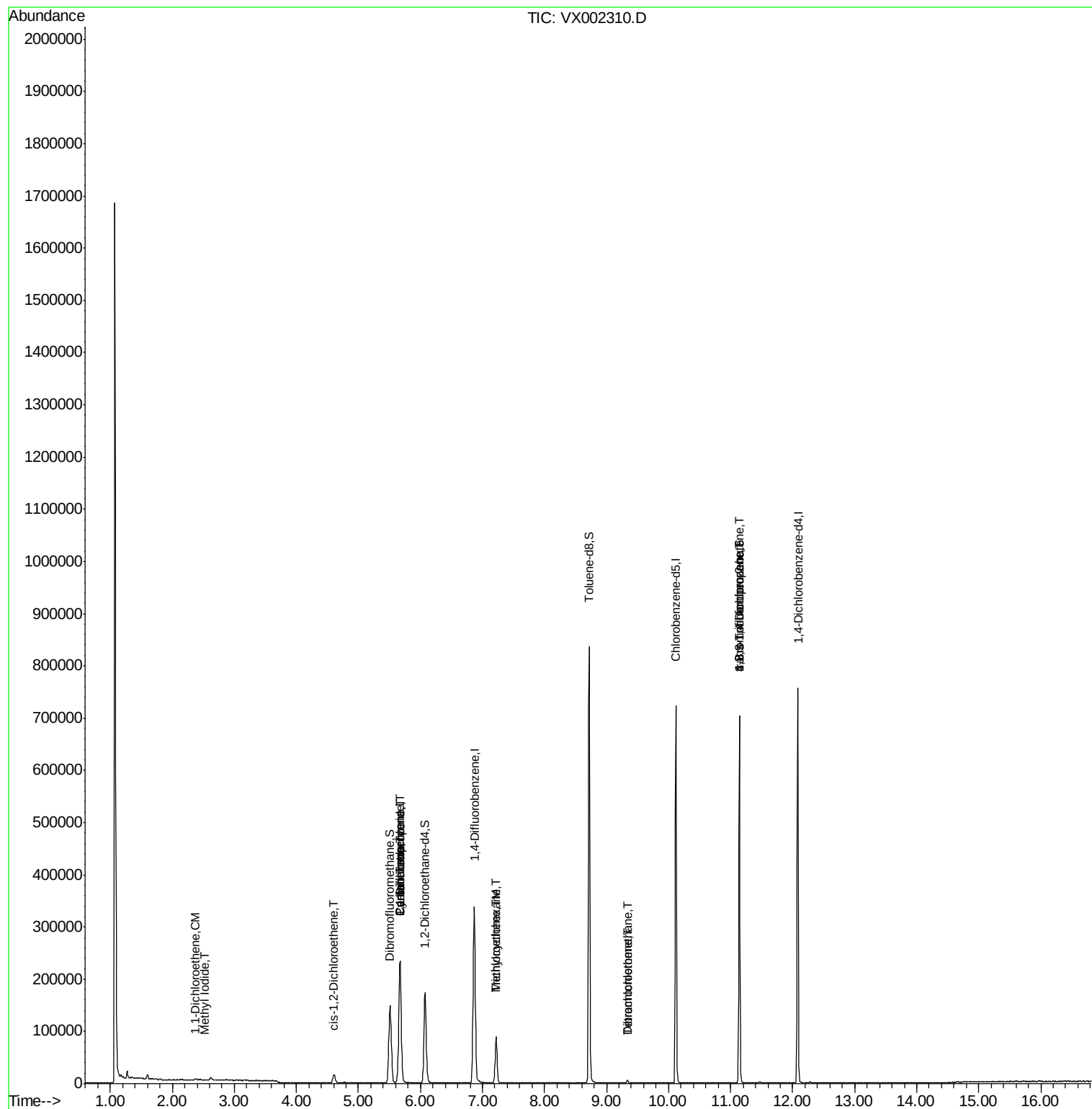
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	609	Below Cal	#	53
5) Bromomethane	1.66	94	1212	Below Cal		82
8) Diethyl Ether	1.96	74	91	Below Cal		83
10) Methyl Iodide	2.53	142	1133	0.32	ug/l	# 92
11) Tert butyl alcohol	3.09	59	77	Below Cal	#	1
12) 1,1-Dichloroethene	2.38	96	941	0.38	ug/l	84
13) Acrolein	2.31	56	82	Below Cal	#	81
15) Acrylonitrile	3.14	53	42	Below Cal	#	1
16) Acetone	2.45	43	1350	Below Cal	#	63
18) Methyl Acetate	2.78	43	298	Below Cal	#	90
19) Methyl tert-butyl Ether	3.21	73	149	Below Cal	#	67
20) Methylene Chloride	2.86	84	380	Below Cal	#	82
22) Diisopropyl ether	3.86	45	44	Below Cal	#	1
27) cis-1,2-Dichloroethene	4.60	96	8567	2.92	ug/l	89
28) Bromochloromethane	5.00	49	44	Below Cal	#	13
31) Cyclohexane	5.67	56	5038	1.21	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16653	4.70	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	21669	5.85	ug/l	# 15
39) Methylcyclohexane	7.21	83	502	0.38	ug/l	# 1
44) Trichloroethene	7.22	130	34368	11.40	ug/l	96
60) Dibromochloromethane	9.34	129	1106	0.39	ug/l	# 11
64) Tetrachloroethene	9.34	164	1185	0.37	ug/l	# 84
76) 1,2,3-Trichloropropane	11.14	75	87247	25.01	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	87247	87.68	ug/l	# 6

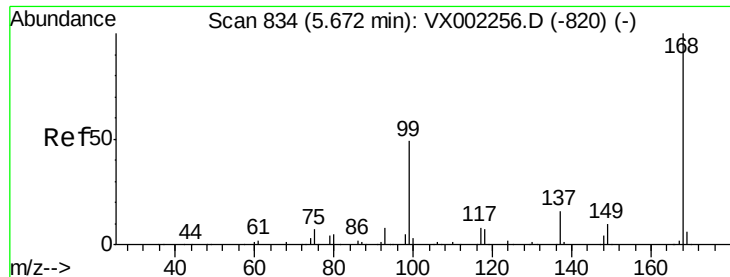
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060518\
Data File : VX002310.D
Acq On : 05 Jun 2018 17:17
Operator : JC/MD
Sample : J3268-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 06 04:32:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :

MSVOA_X

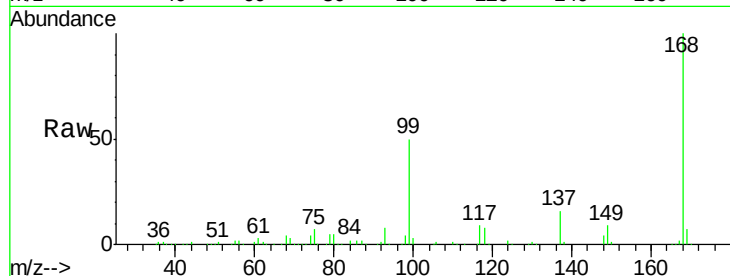
ClientSampleId :

Tot Ion:168 Resp: 230133

Ion Ratio Lower Upper

168 100

99 50.3 39.3 58.9

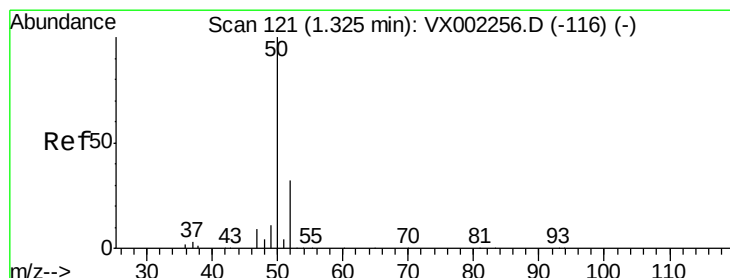
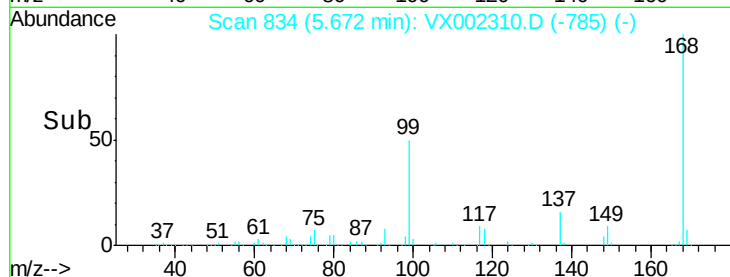


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002310.D

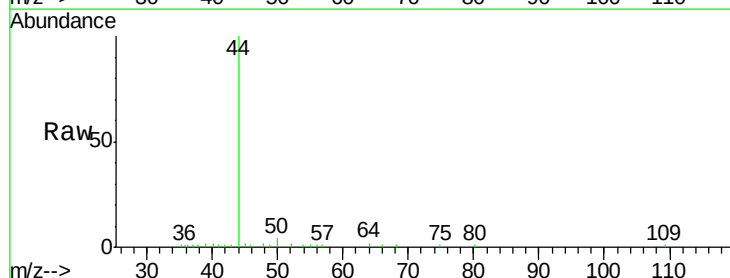
Acq: 05 Jun 2018 17:17

Tgt Ion: 50 Resp: 609

Ion Ratio Lower Upper

50 100

52 58.6 25.7 38.5#

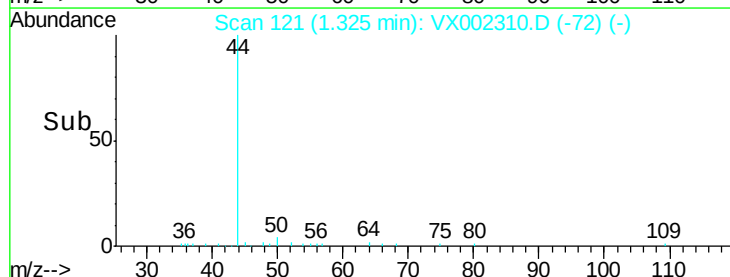


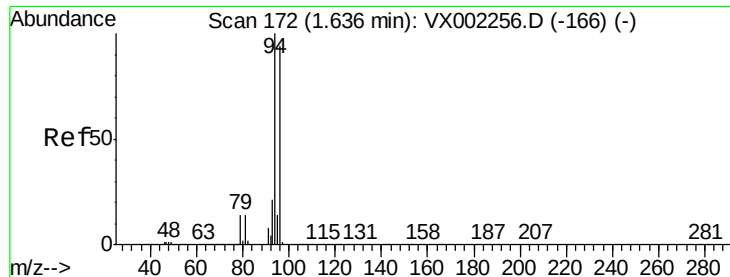
Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :

MSVOA_X

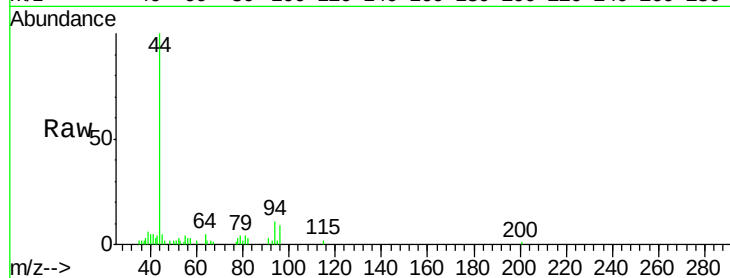
ClientSampled :

Tot Ion: 94 Resp: 1212

Ion Ratio Lower Upper

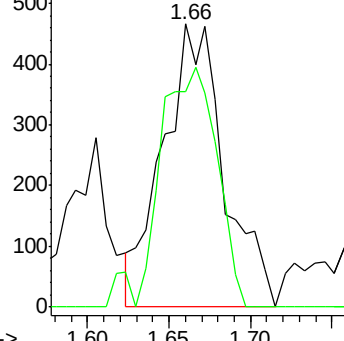
94 100

96 76.0 74.9 112.3

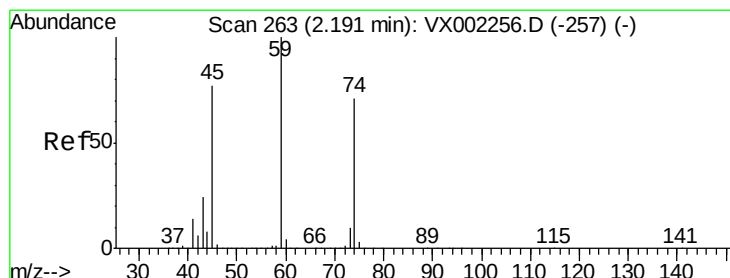
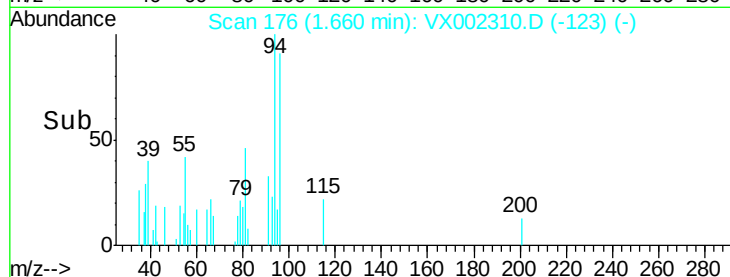


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 1.96 min Scan# 226

Delta R.T. -0.23 min

Lab File: VX002310.D

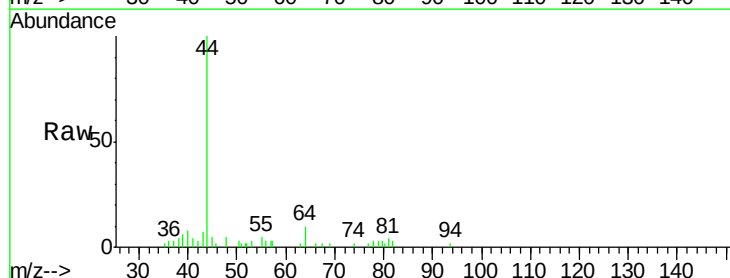
Acq: 05 Jun 2018 17:17

Tgt Ion: 74 Resp: 91

Ion Ratio Lower Upper

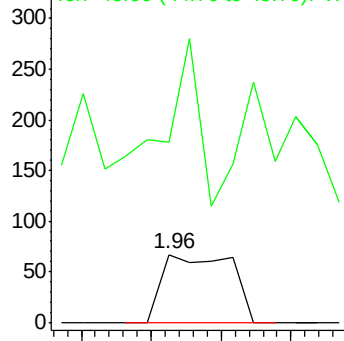
74 100

45 124.2 53.1 159.4

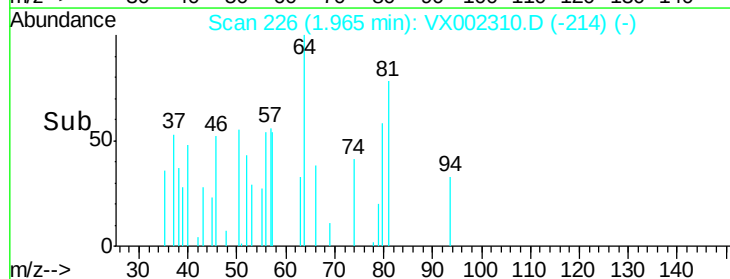


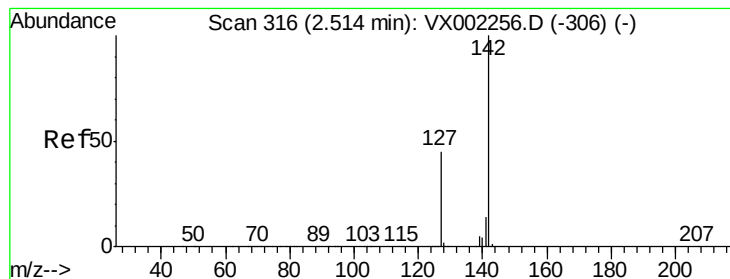
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->





#10

Methvl Iodide

Concen: 0.32 ua/l

RT: 2.53 min Scan# 319

Delta R.T. 0.02 min

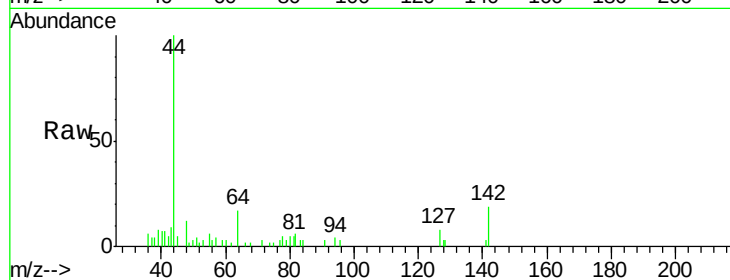
Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 1133

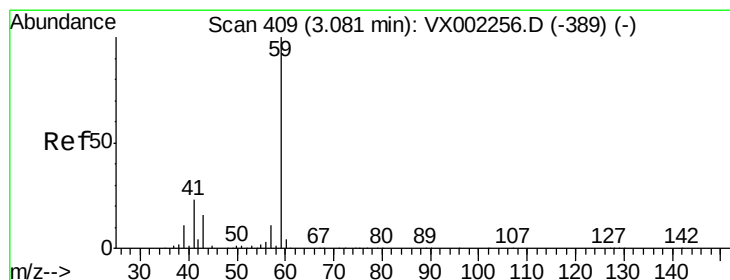
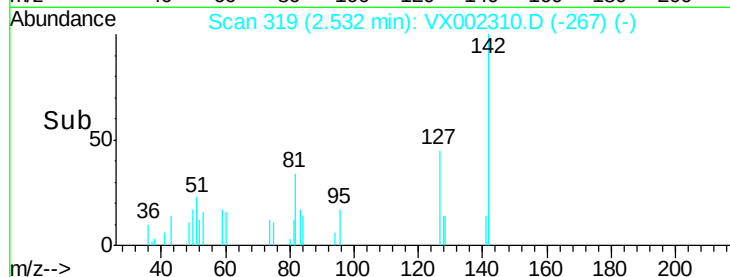
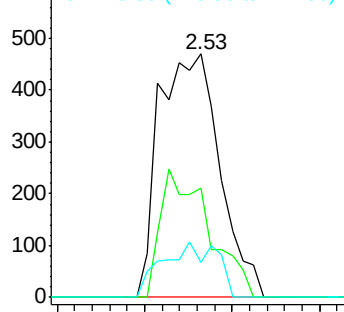
Ion	Ratio	Lower	Upper
142	100		
127	41.8	36.6	55.0
141	20.0	11.3	16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.09 min Scan# 411

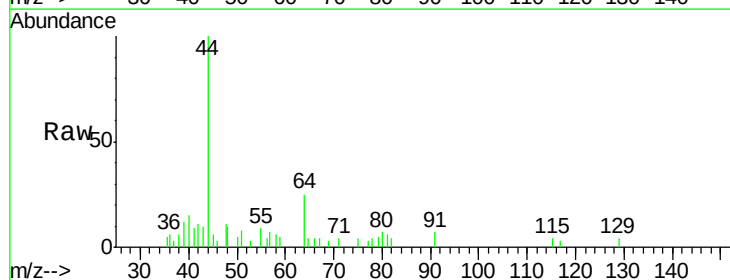
Delta R.T. 0.01 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

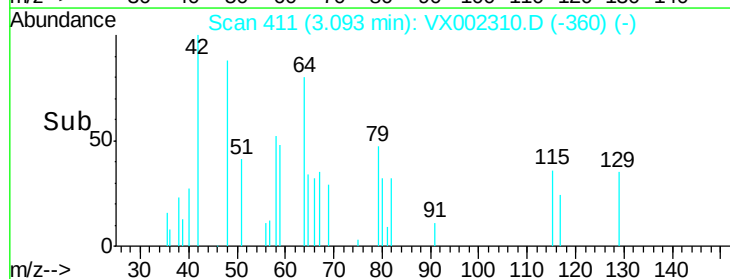
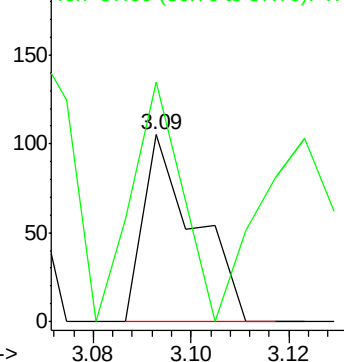
Tgt Ion: 59 Resp: 77

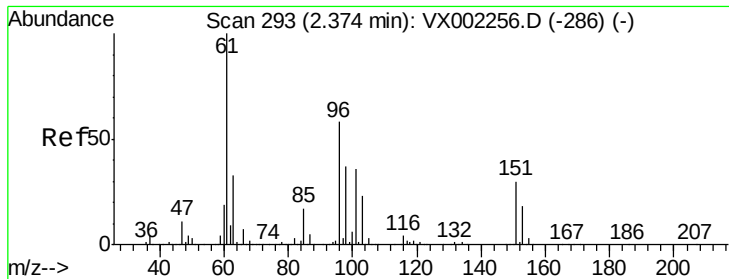
Ion	Ratio	Lower	Upper
59	100		
57	124.7	8.2	12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.38 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampled :

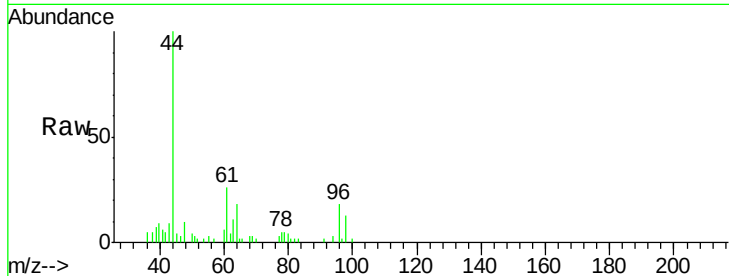
Tot Ion: 96 Resp: 941

Ion Ratio Lower Upper

96 100

61 146.9 137.9 206.9

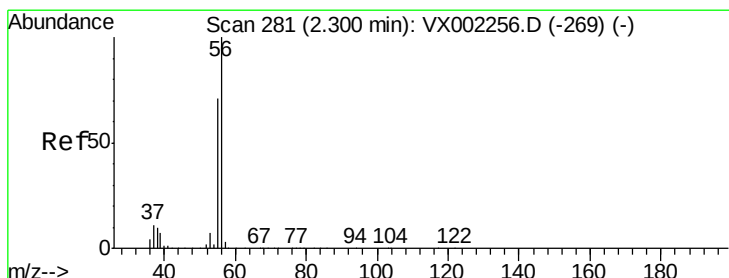
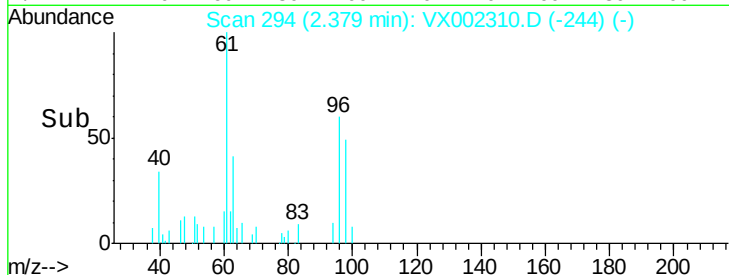
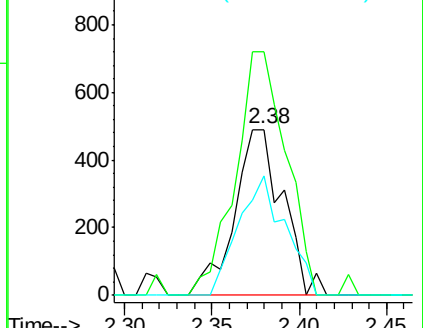
98 72.0 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002310.D

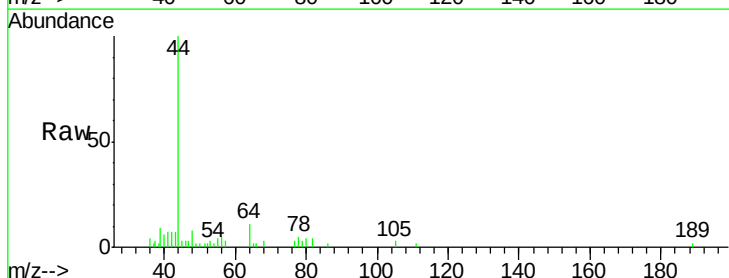
Acq: 05 Jun 2018 17:17

Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

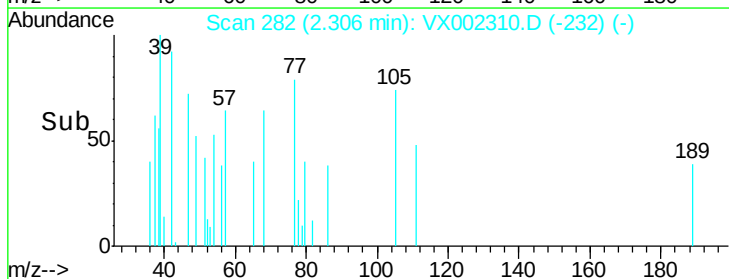
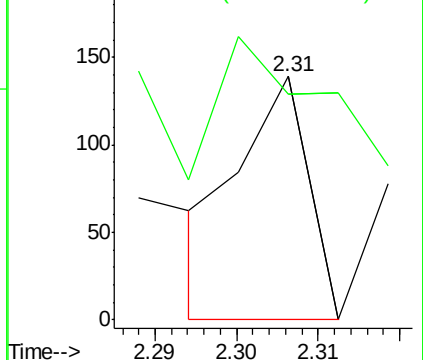
56 100

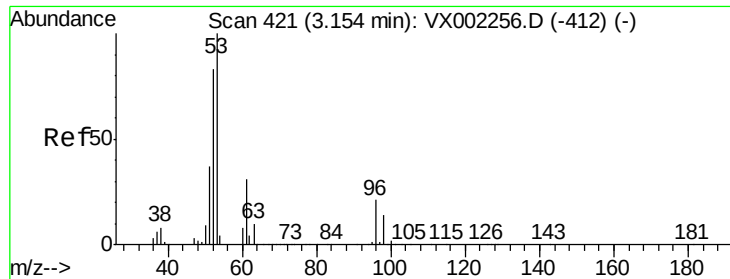
55 86.6 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

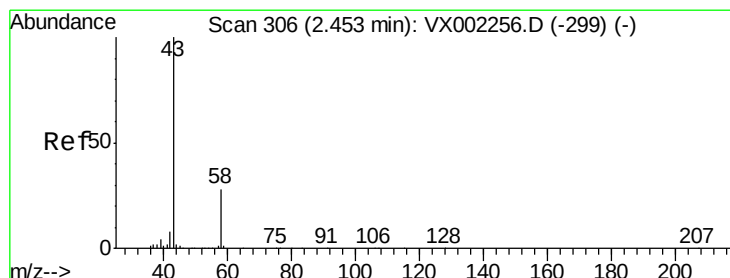
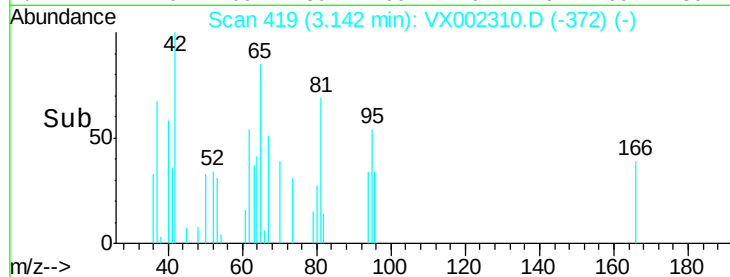
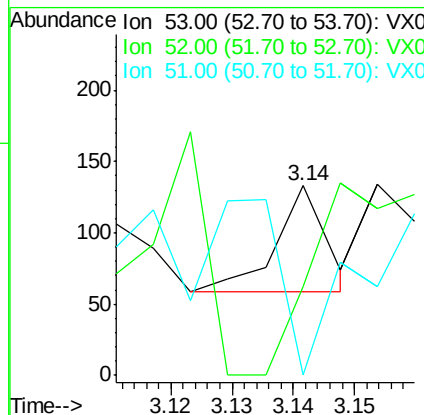
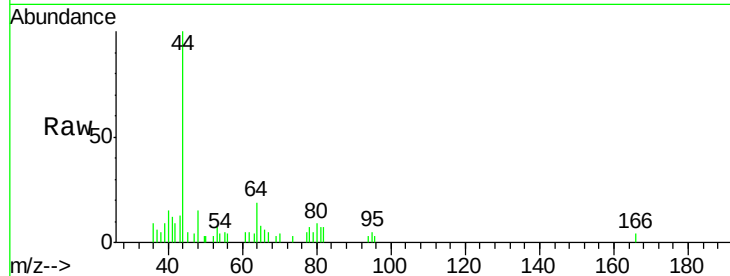
Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 42

Ion	Ratio	Lower	Upper
53	100		
52	385.7	66.7	100.1#
51	0.0	29.9	44.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

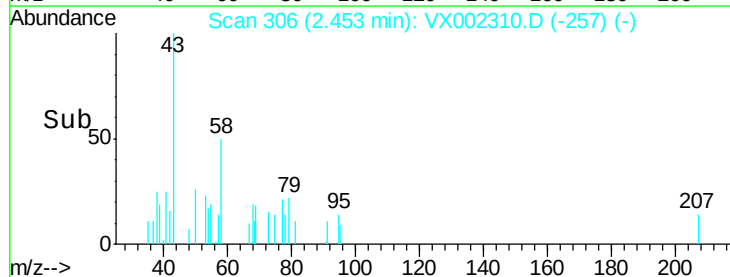
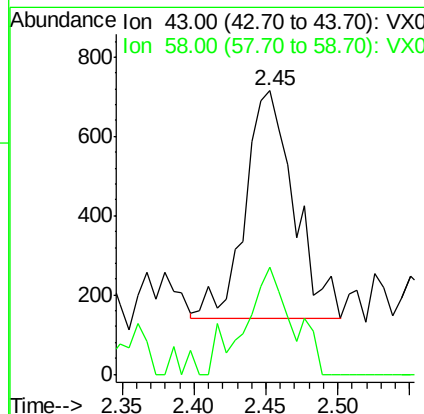
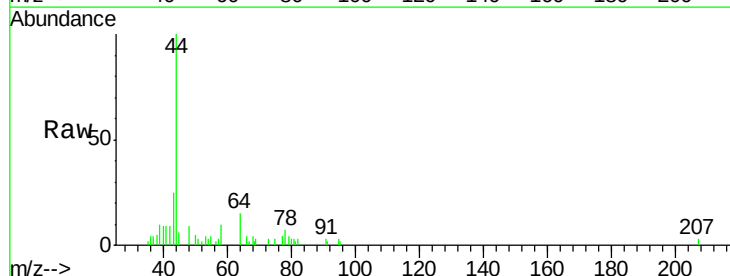
Delta R.T. 0.00 min

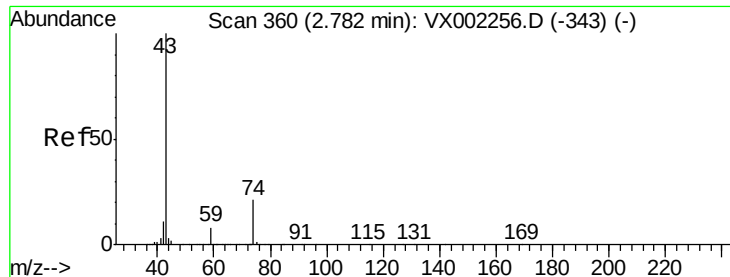
Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Tgt Ion: 43 Resp: 1350

Ion	Ratio	Lower	Upper
43	100		
58	46.9	22.1	33.1#

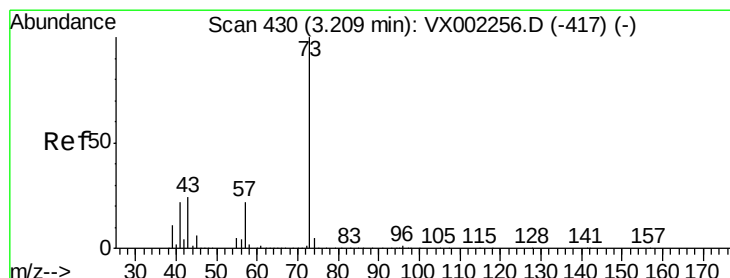
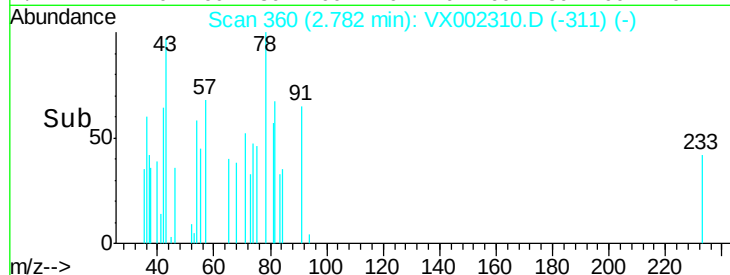
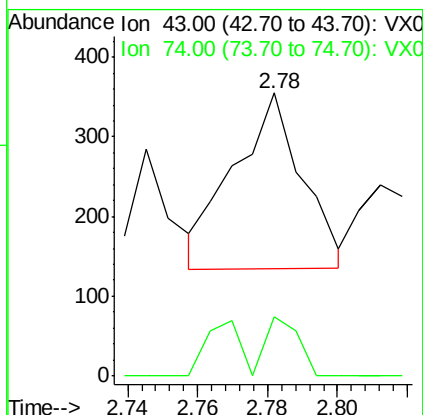
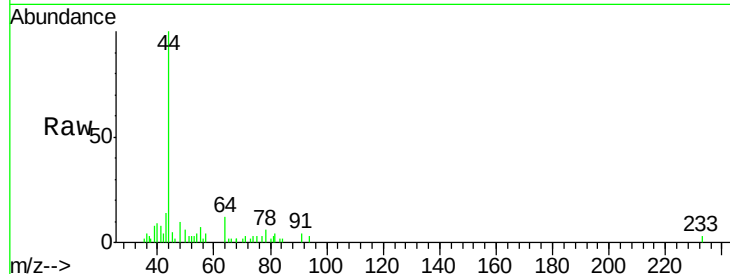




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

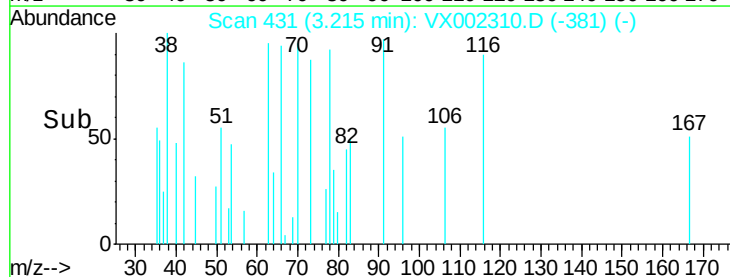
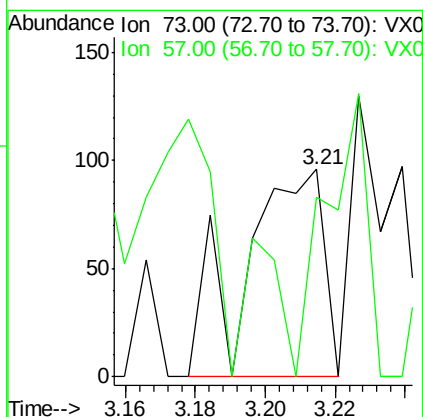
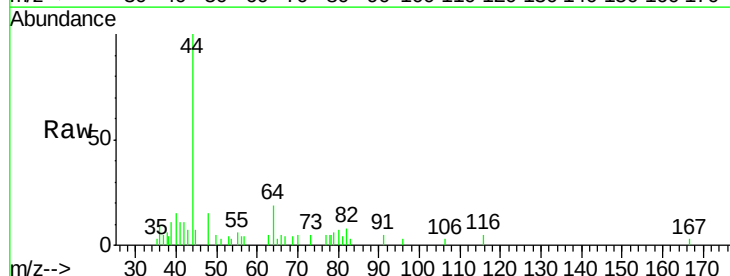
Instrument :
MSVOA_X
ClientSampled :

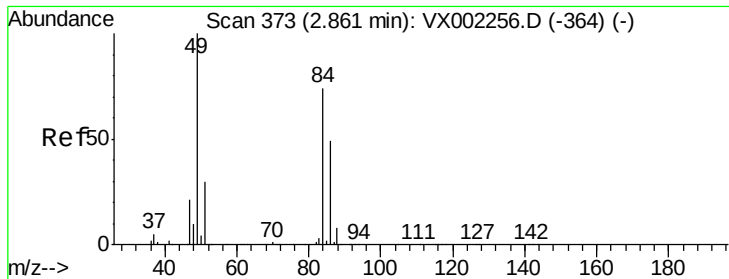
Tot Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
74 16.1 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

Tgt Ion: 73 Resp: 149
Ion Ratio Lower Upper
73 100
57 6.3 17.7 26.5#



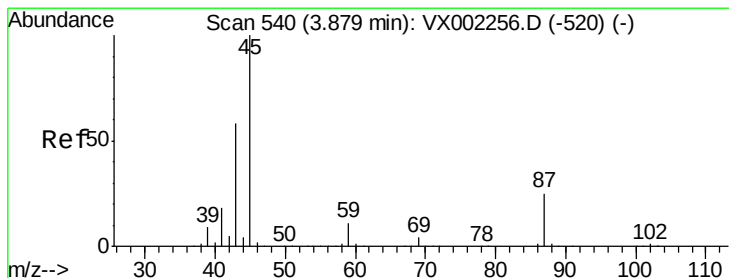
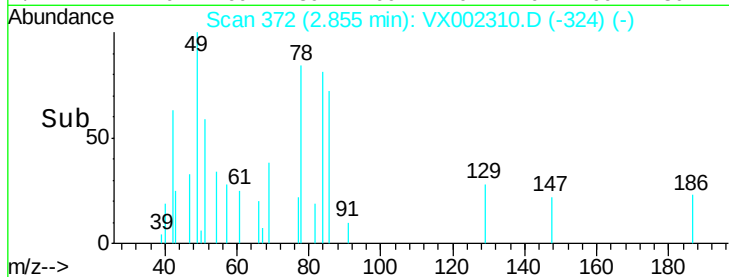
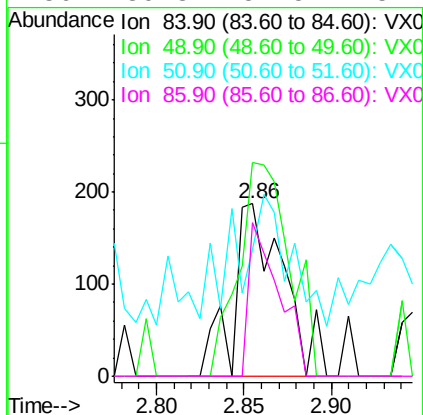
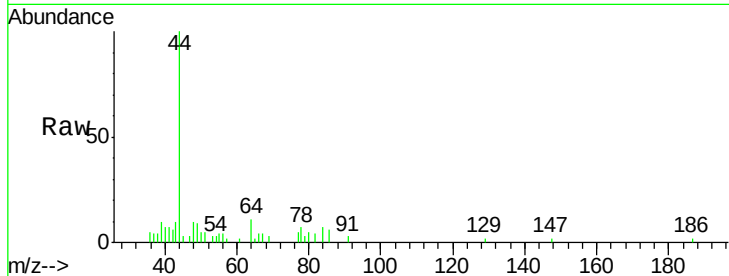


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX002310.D
 Acq: 05 Jun 2018 17:17

Instrument :
 MSVOA_X
 ClientSampleId :

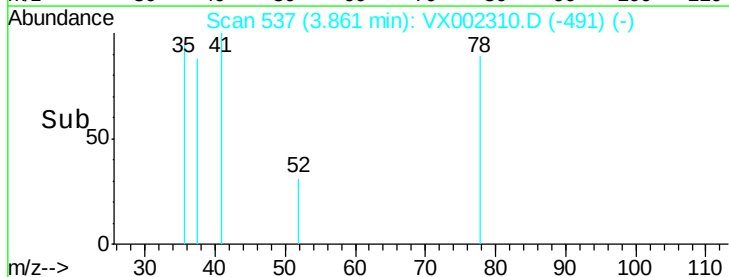
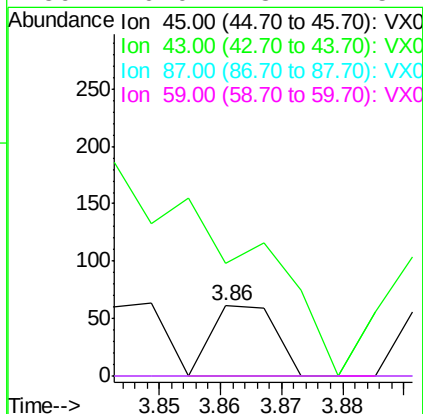
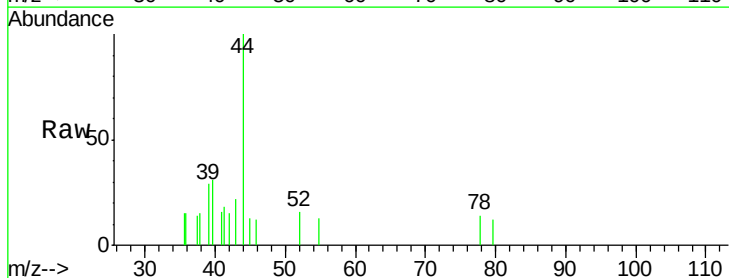
Tot Ion	Ratio	Lower	Upper
84	100		
49	124.1	107.8	161.6
51	24.6	32.8	49.2#
86	89.3	52.5	78.7#

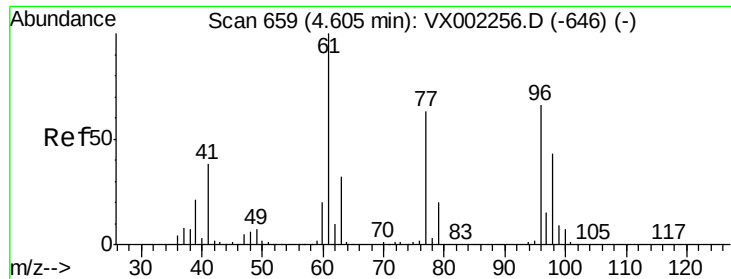


#22

Diisopropyl ether
 Concen: Below Cal
 RT: 3.86 min Scan# 537
 Delta R.T. -0.02 min
 Lab File: VX002310.D
 Acq: 05 Jun 2018 17:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	160.7	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#





#27

cis-1,2-Dichloroethene

Concen: 2.92 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :
MSVOA_X
ClientSampled :

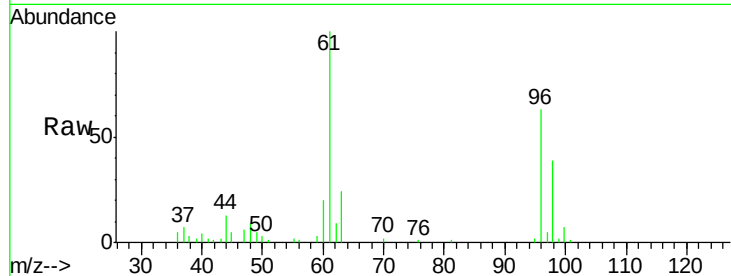
Tot Ion: 96 Resp: 8567

Ion Ratio Lower Upper

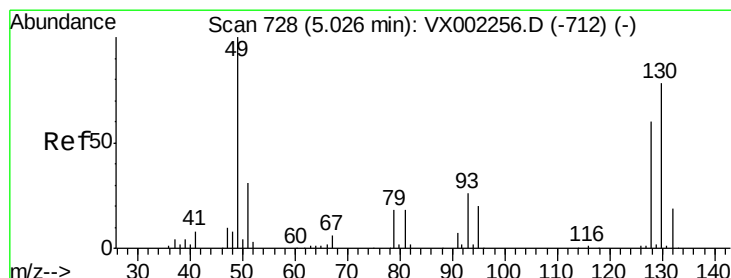
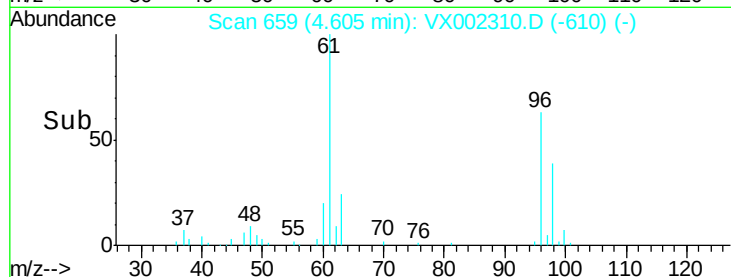
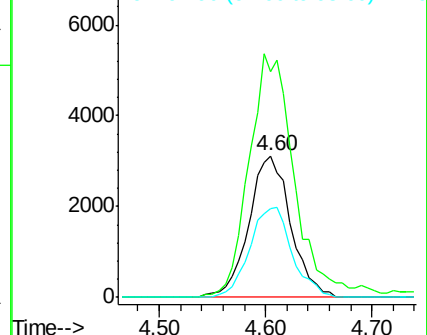
96 100

61 185.1 0.0 330.2

98 64.2 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 724

Delta R.T. -0.02 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

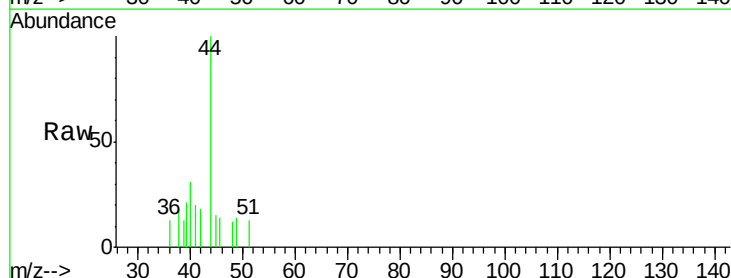
Tgt Ion: 49 Resp: 44

Ion Ratio Lower Upper

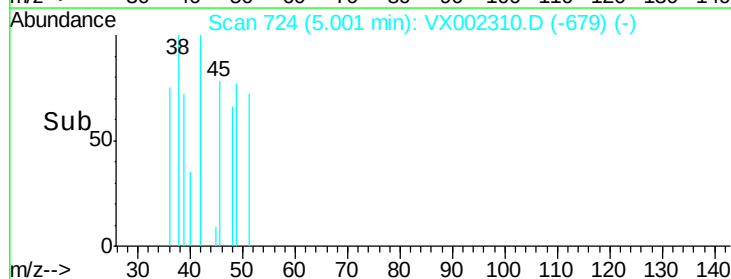
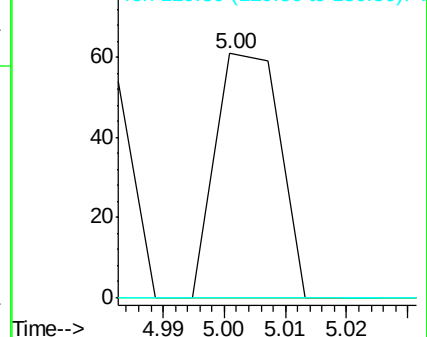
49 100

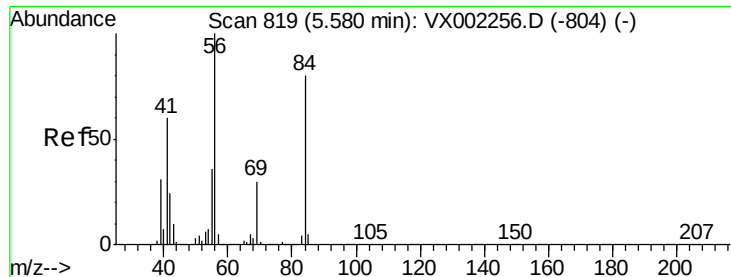
129 0.0 0.0 4.2

130 0.0 61.2 91.8#



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

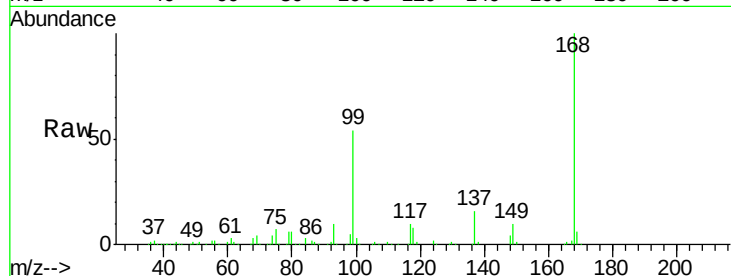




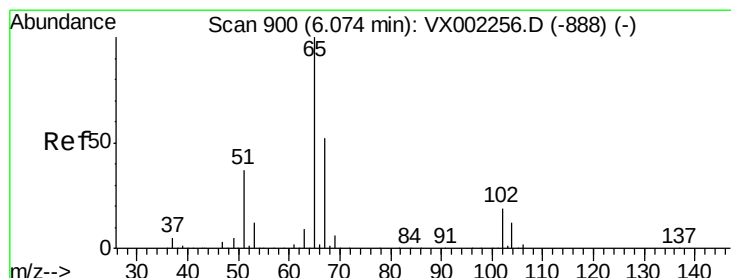
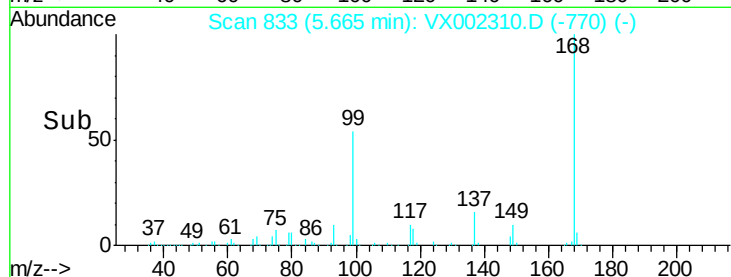
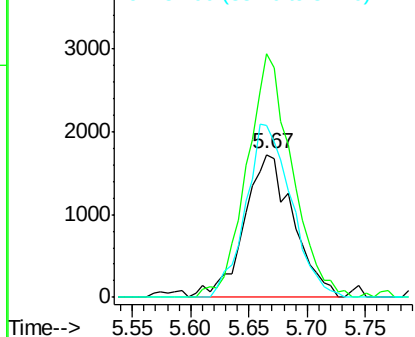
#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 5038
Ion Ratio Lower Upper
56 100
69 170.1 23.7 35.5#
84 120.0 64.1 96.1#

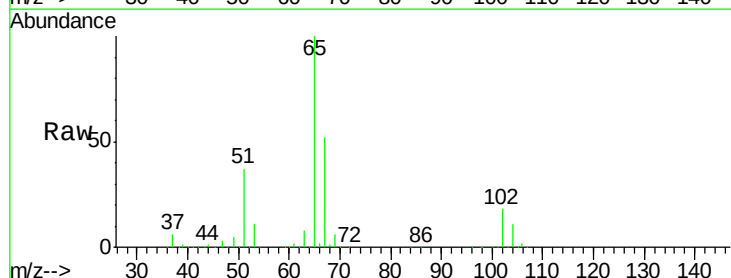


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

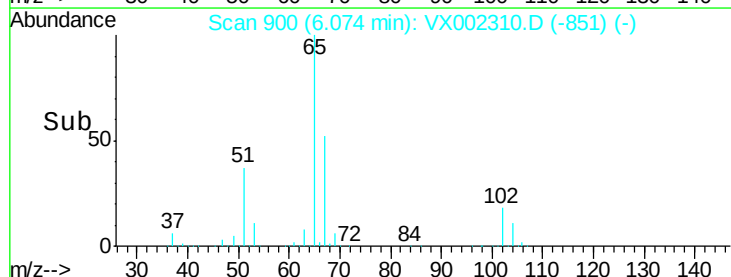
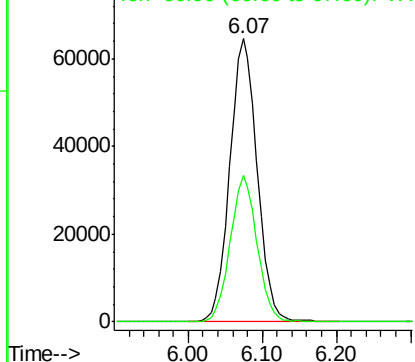


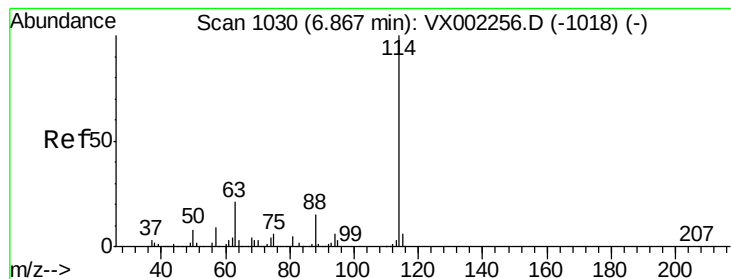
#33
1,2-Dichloroethane-d4
Concen: 50.52 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

Tgt Ion: 65 Resp: 166139
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.6



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

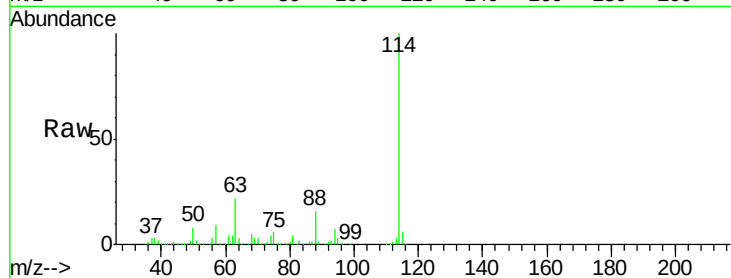
Tot Ion:114 Resp: 336928

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.4

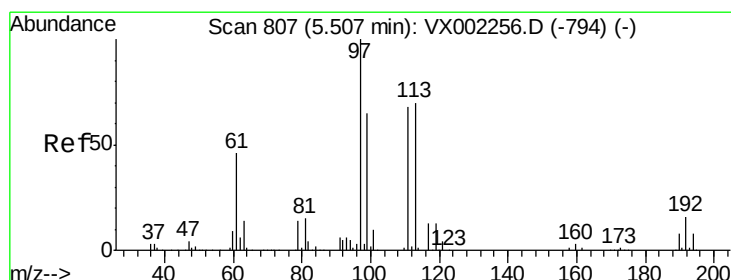
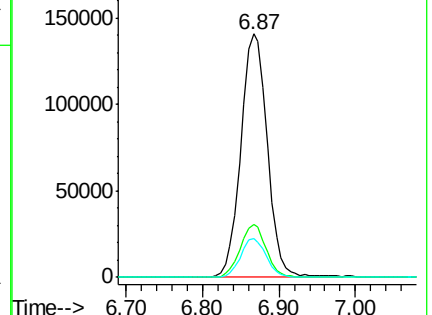
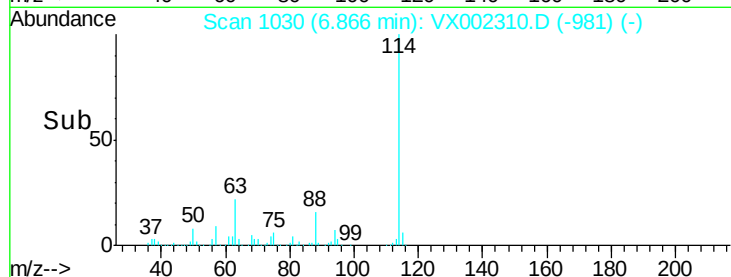
88 15.7 0.0 30.0



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: 45.65 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

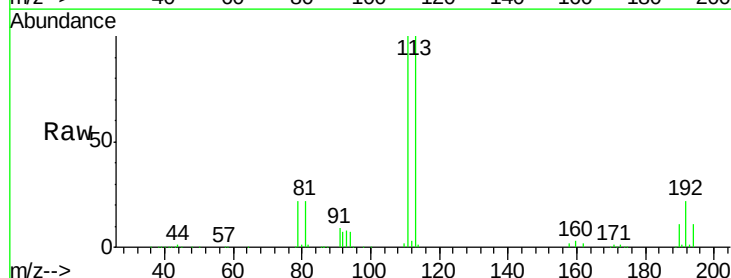
Tgt Ion:113 Resp: 120954

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

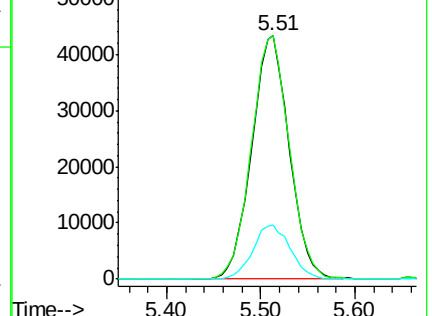
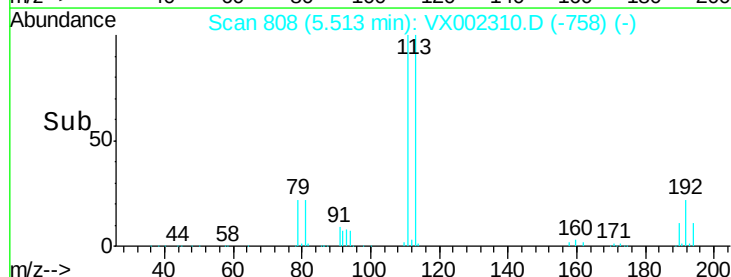
192 22.2 19.1 28.7

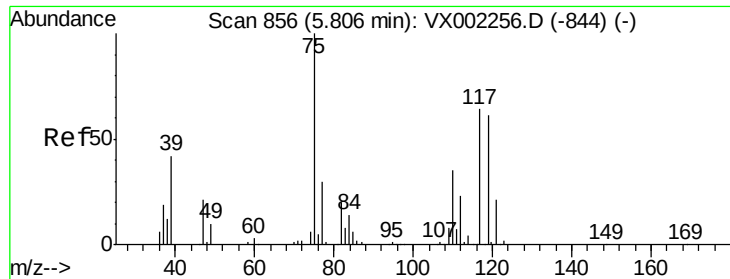


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

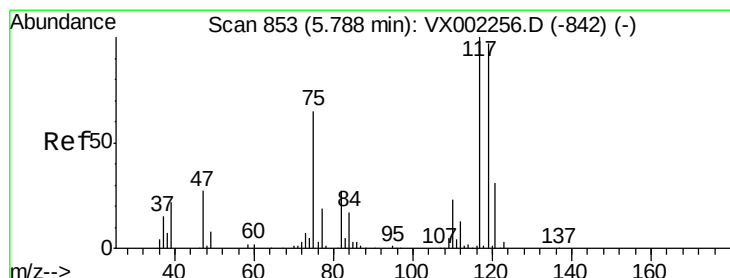
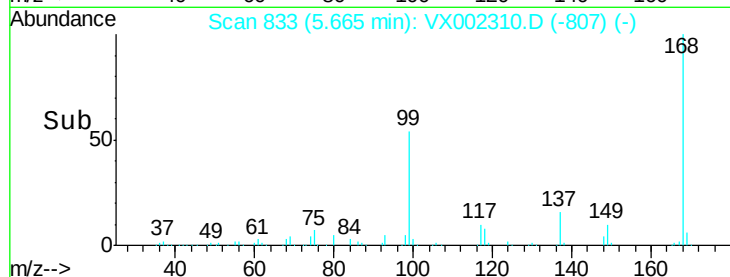
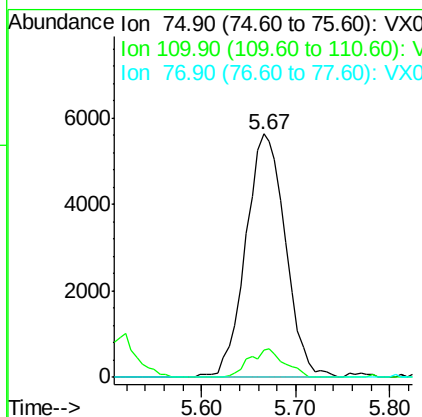
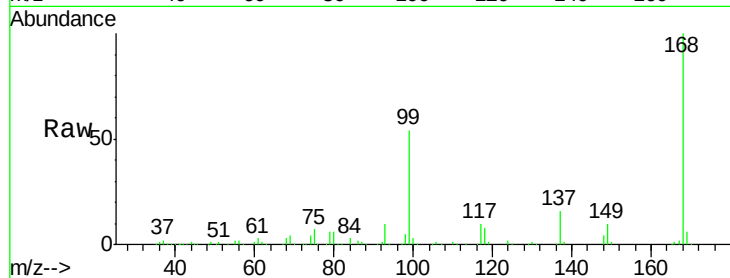




#36
 1,1-Dichloropropene
 Concen: 4.70 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002310.D
 Acq: 05 Jun 2018 17:17

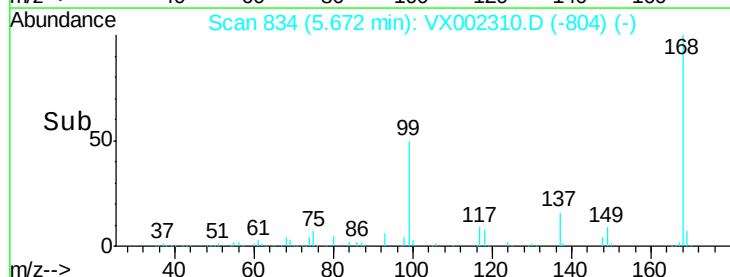
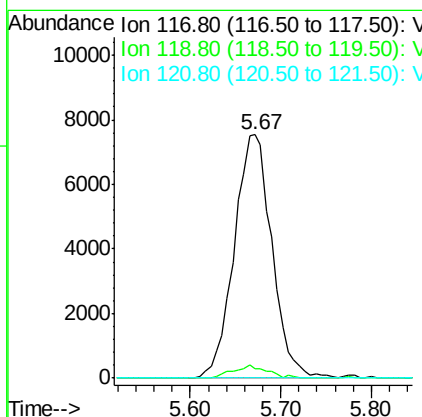
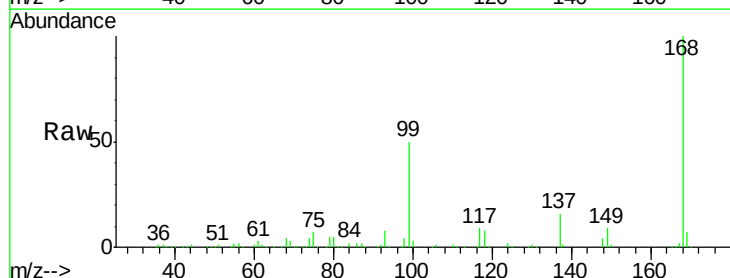
Instrument :
 MSVOA_X
 ClientSampleId :

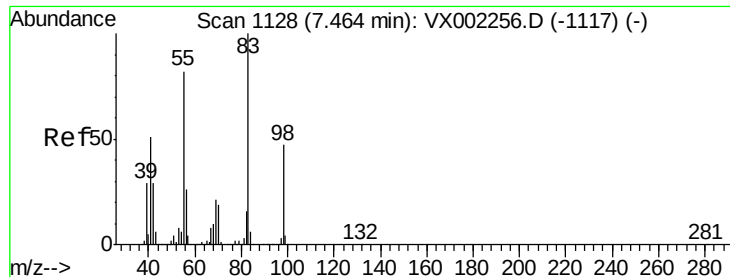
Tot Ion	75	Resp	16653
Ion Ratio	100	Lower	Upper
75	100		
110	10.4	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.85 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002310.D
 Acq: 05 Jun 2018 17:17

Tgt Ion	117	Resp	21669
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.8	77.4	116.0#
121	0.0	24.4	36.6#

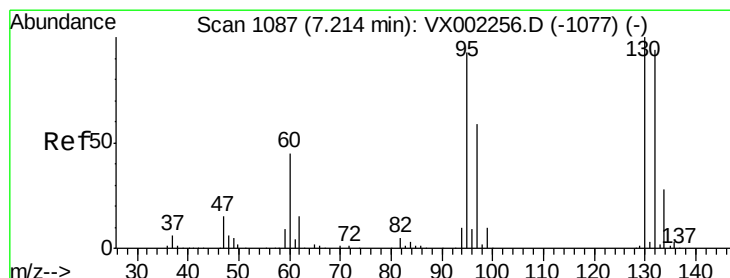
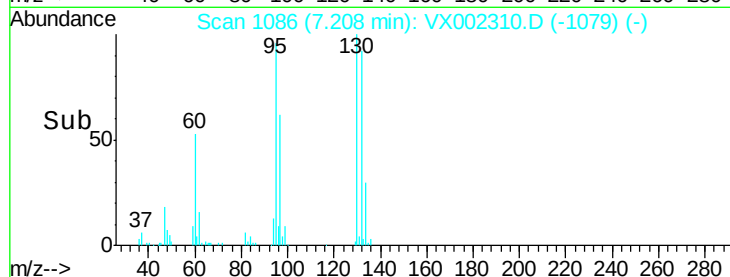
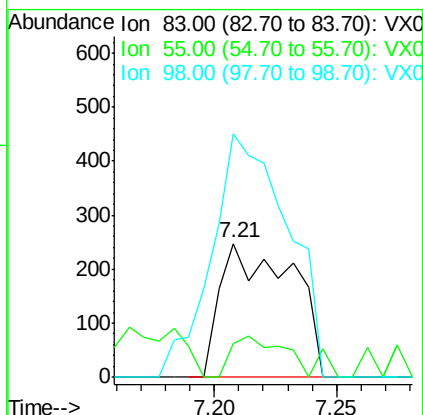
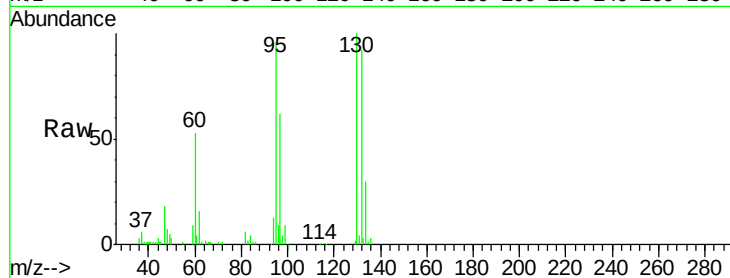




#39
Methylvlcyclohexane
Concen: 0.38 ug/l
RT: 7.21 min Scan# 1086
Delta R.T. -0.26 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

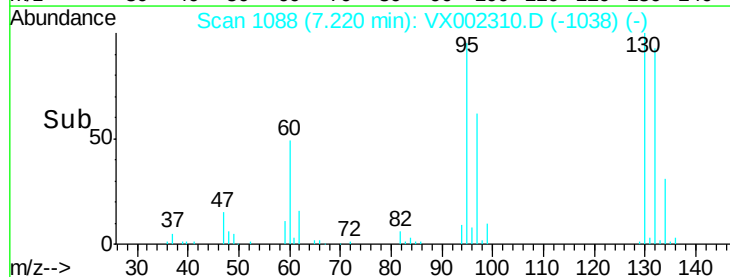
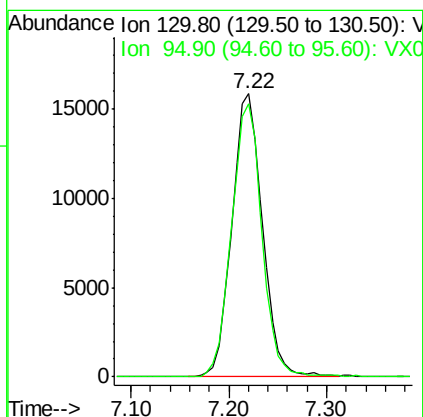
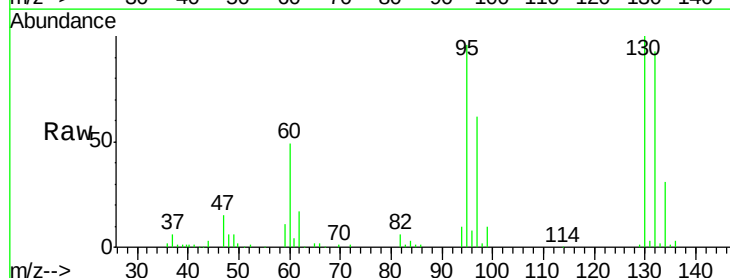
Instrument :
MSVOA_X
ClientSampled :

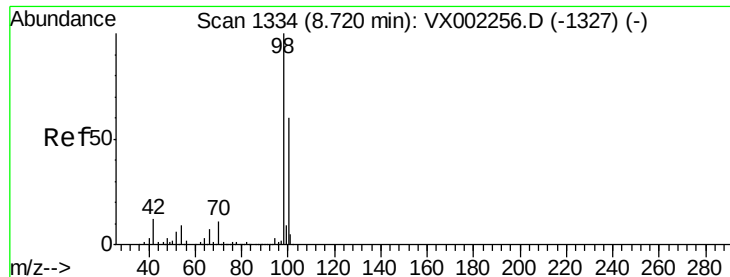
Tot Ion: 83 Resp: 502
Ion Ratio Lower Upper
83 100
55 25.0 65.4 98.0#
98 181.9 37.4 56.0#



#44
Trichloroethene
Concen: 11.40 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

Tgt Ion:130 Resp: 34368
Ion Ratio Lower Upper
130 100
95 96.5 0.0 185.4

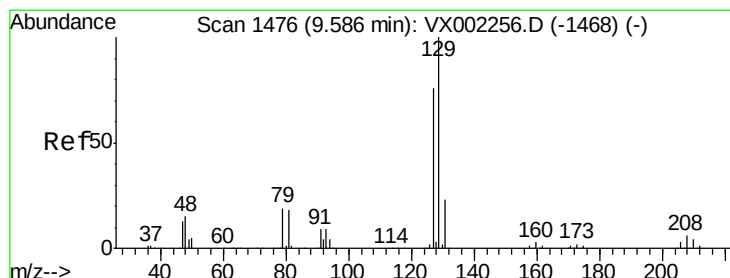
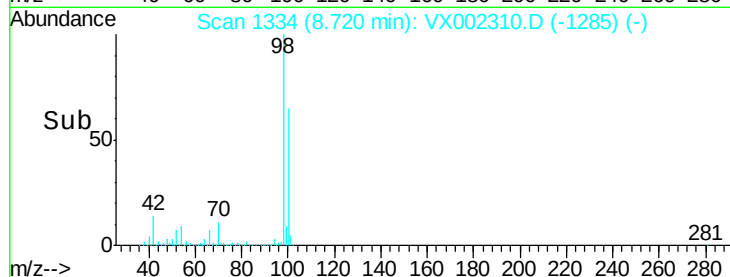
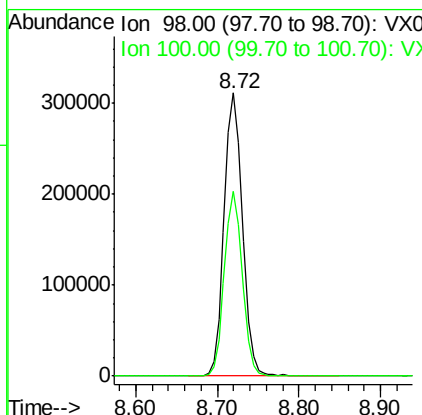
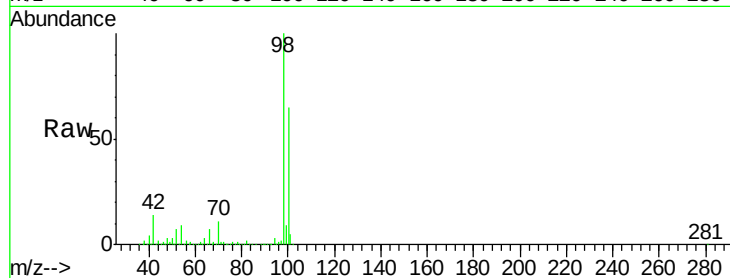




#50
Toluene-d8
Concen: 47.73 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

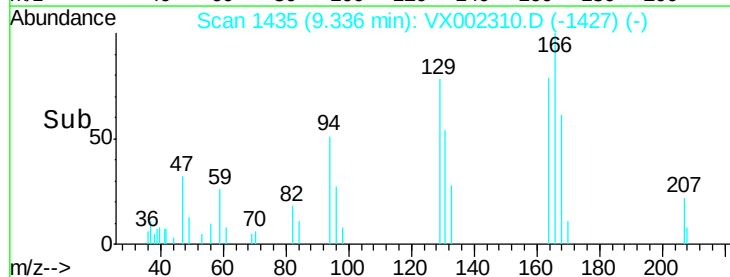
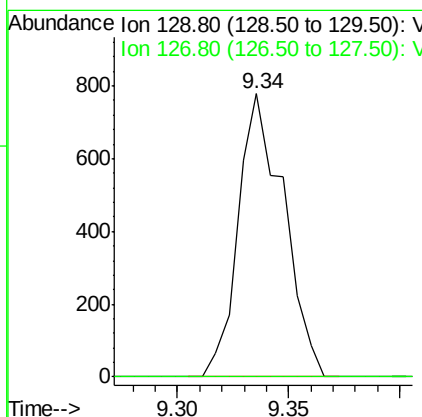
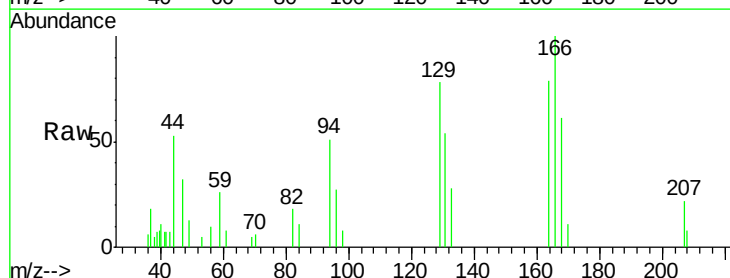
Instrument :
MSVOA_X
ClientSampleId :

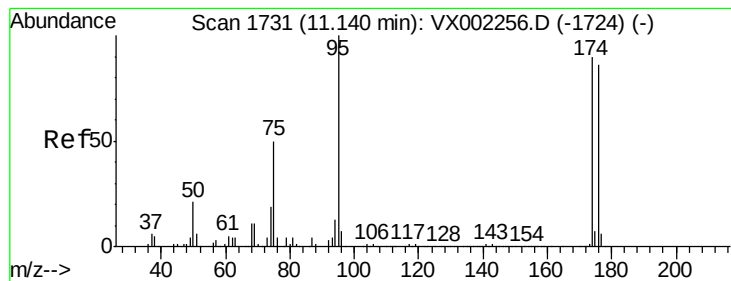
Tot Ion: 98 Resp: 484787
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#60
Dibromochloromethane
Concen: 0.39 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002310.D
Acq: 05 Jun 2018 17:17

Tgt Ion:129 Resp: 1106
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 40.88 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

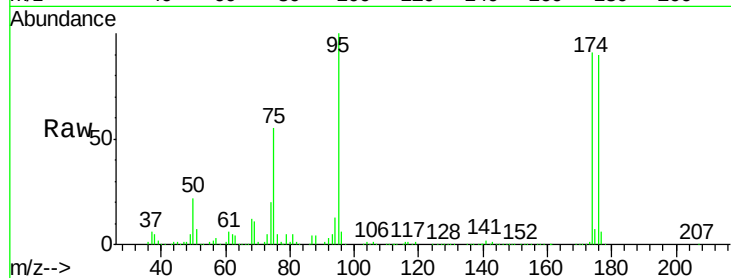
Tot Ion: 95 Resp: 160105

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.4

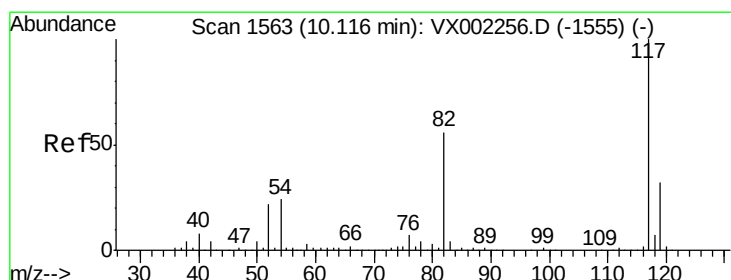
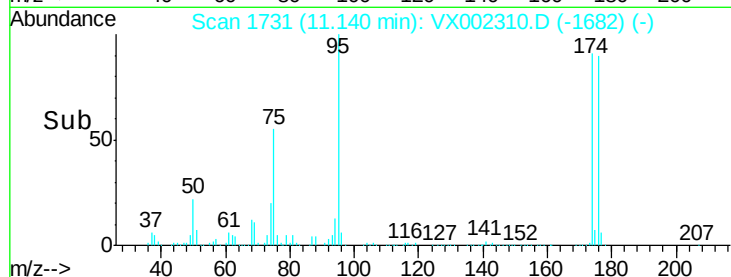
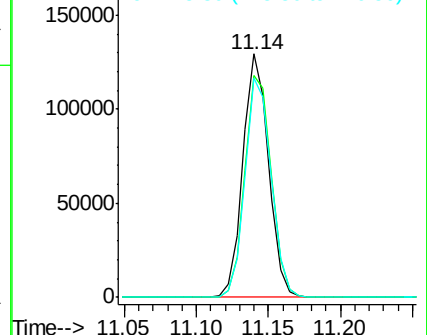
176 91.7 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002310.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002310.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002310.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002310.D

Acq: 05 Jun 2018 17:17

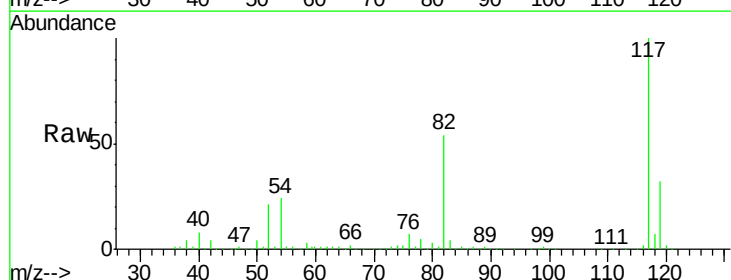
Tgt Ion: 117 Resp: 306586

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.4

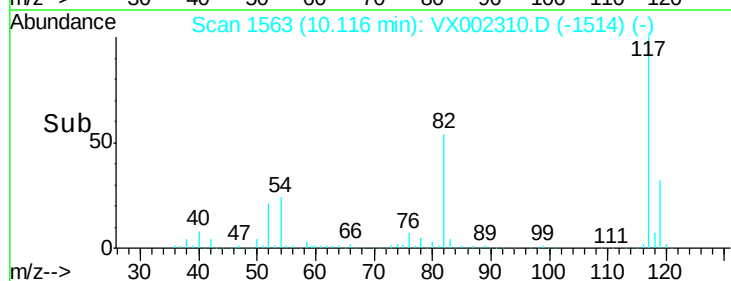
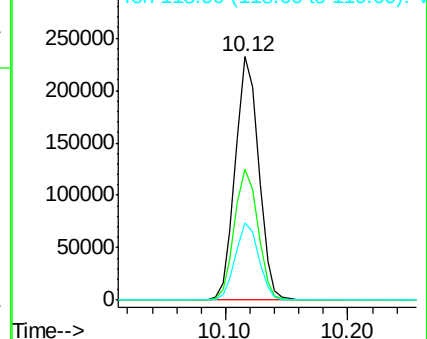
119 31.8 25.8 38.6

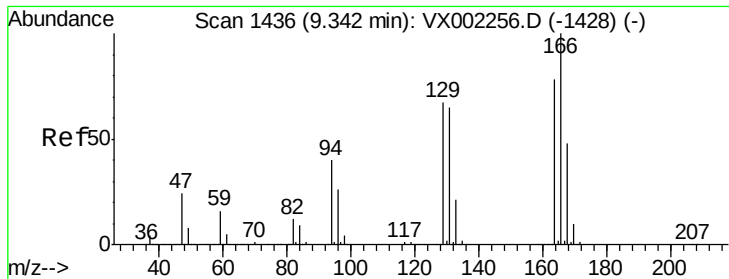


Abundance Ion 116.90 (116.60 to 117.60): VX002310.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002310.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002310.D (-1514) (-)





#64

Tetrachloroethene

Concen: 0.37 ug/l

RT: 9.34 min Scan# 1436

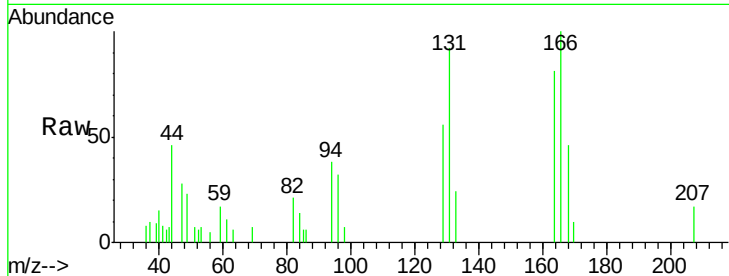
Delta R.T. -0.00 min

Lab File: VX002310.D

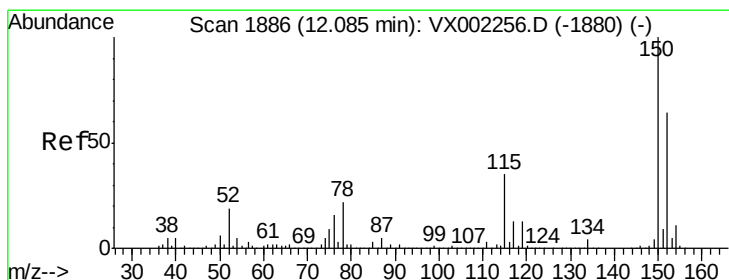
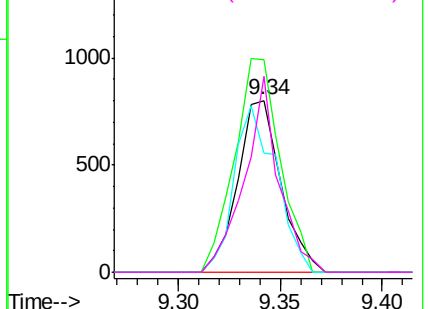
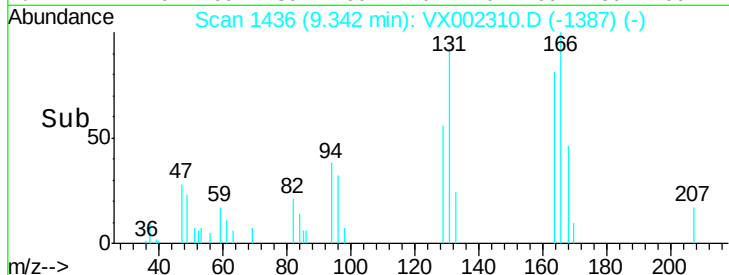
Acq: 05 Jun 2018 17:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:164	Resp:	1185
Ion	Ratio	Lower Upper
164	100	
166	123.7	102.9 154.3
129	68.9	68.6 102.8
131	113.7	66.8 100.2#



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: 50.00 ug/l

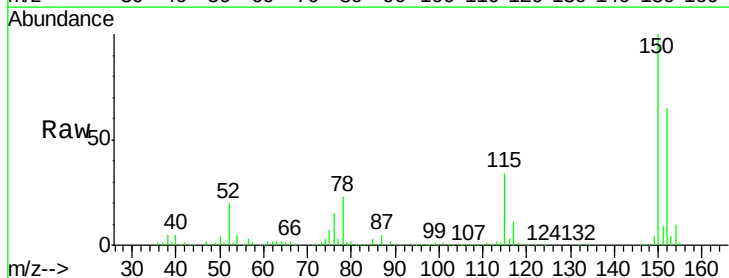
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

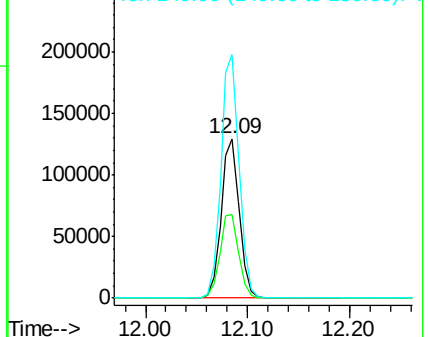
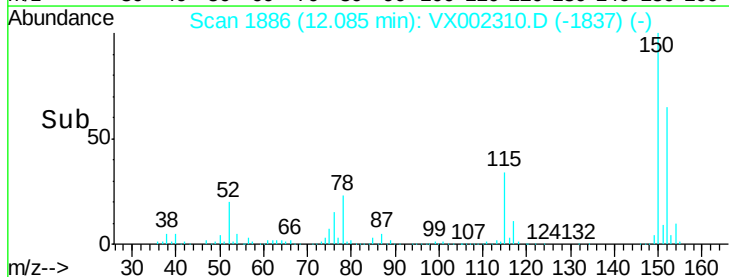
Lab File: VX002310.D

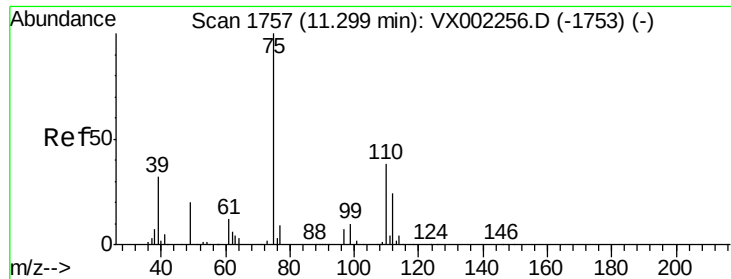
Acq: 05 Jun 2018 17:17

Tgt Ion:152	Resp:	158960
Ion	Ratio	Lower Upper
152	100	
115	55.0	40.1 120.2
150	154.7	0.0 347.2



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

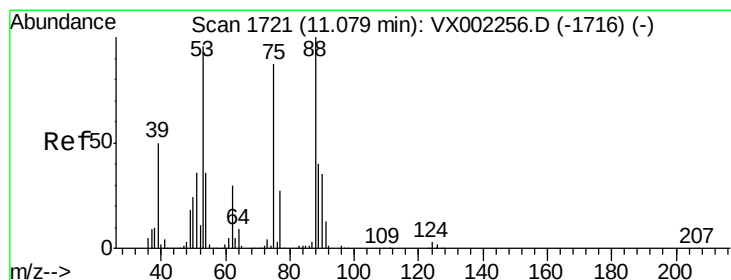
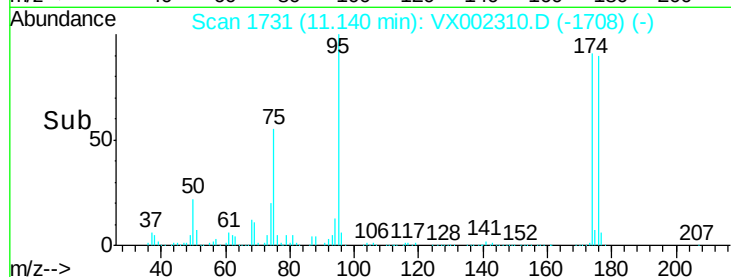
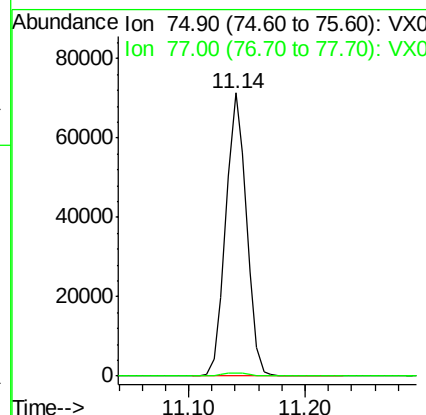
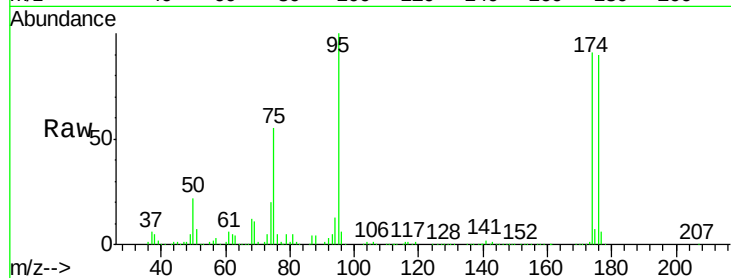




#76
 1,2,3-Trichloropropane
 Concen: 25.01 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002310.D
 Acq: 05 Jun 2018 17:17

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 87247
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.68 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002310.D
 Acq: 05 Jun 2018 17:17

Tgt Ion: 75 Resp: 87247
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

