

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002477.D
 Acq On : 12 Jun 2018 19:58
 Operator : JC/MD
 Sample : J3402-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 01:28:04 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	192335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	285549	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	263124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	143251	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	154749	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	5.51	113	115674	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
50) Toluene-d8	8.72	98	444493	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	151198	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

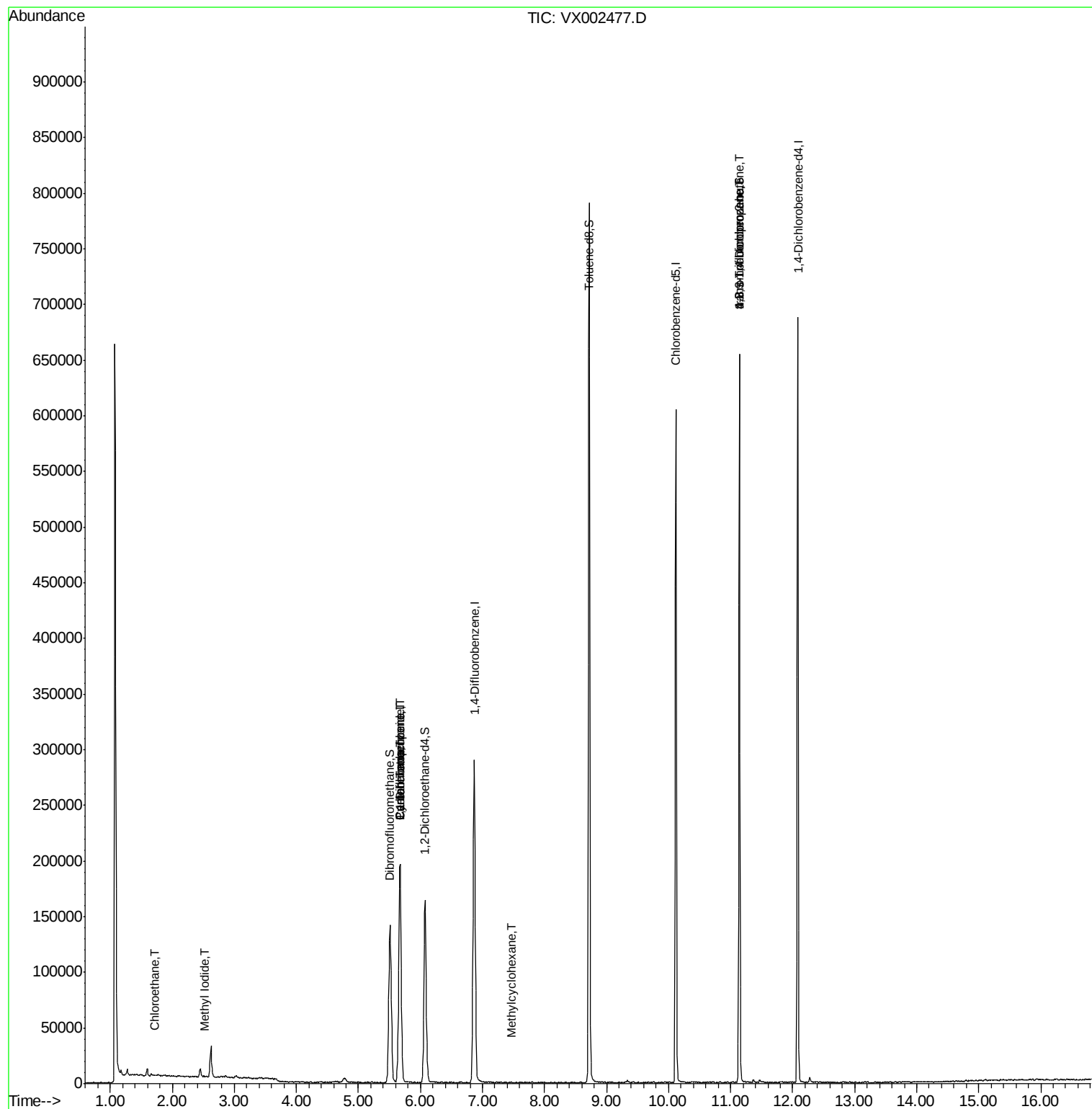
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	683	Below Cal	#	73
5) Bromomethane	1.66	94	955	Below Cal		83
6) Chloroethane	1.71	64	475	0.29	ug/l #	81
8) Diethyl Ether	2.19	74	47	Below Cal		65
10) Methyl Iodide	2.52	142	1028	0.35	ug/l #	92
11) Tert butyl alcohol	3.03	59	974	Below Cal	#	92
13) Acrolein	2.30	56	213	Below Cal	#	72
15) Acrylonitrile	3.15	53	158	Below Cal	#	69
16) Acetone	2.45	43	8354	Below Cal		98
18) Methyl Acetate	2.79	43	1084	Below Cal	#	74
19) Methyl tert-butyl Ether	3.27	73	20	Below Cal	#	54
20) Methylene Chloride	2.86	84	324	Below Cal	#	77
22) Diisopropyl ether	3.91	45	182	Below Cal	#	62
28) Bromochloromethane	5.03	49	48	Below Cal	#	58
31) Cyclohexane	5.67	56	4393	1.26	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14147	4.71	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18261	5.81	ug/l #	15
39) Methylcyclohexane	7.47	83	53	0.28	ug/l #	74
76) 1,2,3-Trichloropropane	11.14	75	82230	26.16	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	82230	91.70	ug/l #	7

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

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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: VX002477.D

Acq: 12 Jun 2018 19:58

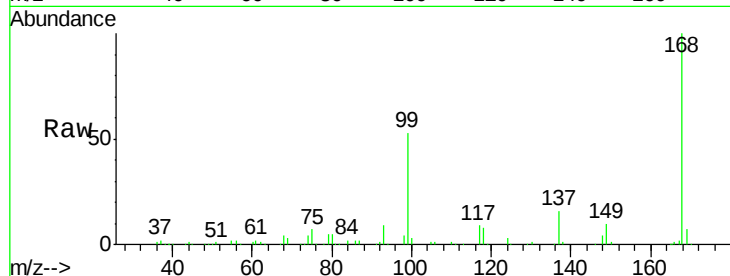
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 192335

Ion Ratio Lower Upper

168 100

99 52.4 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

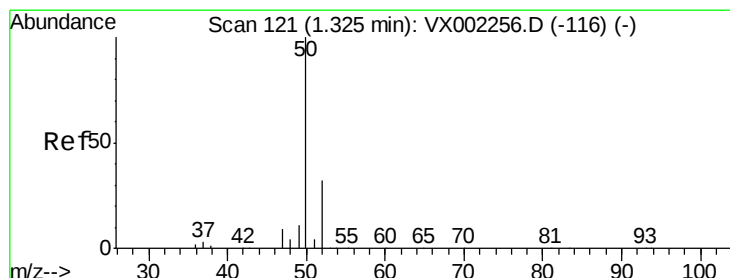
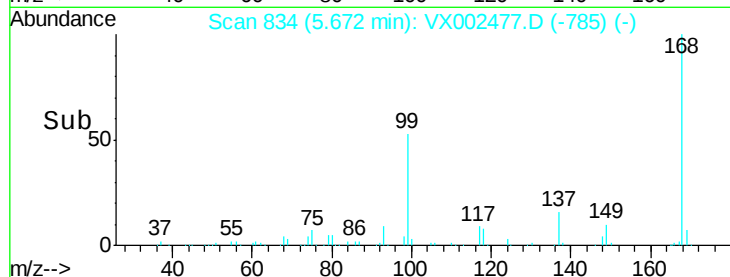
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002477.D

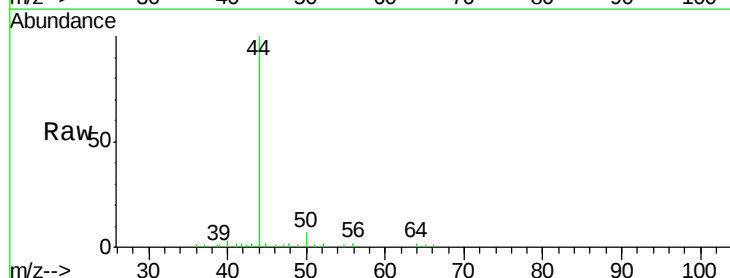
Acq: 12 Jun 2018 19:58

Tgt Ion: 50 Resp: 683

Ion Ratio Lower Upper

50 100

52 17.3 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

400

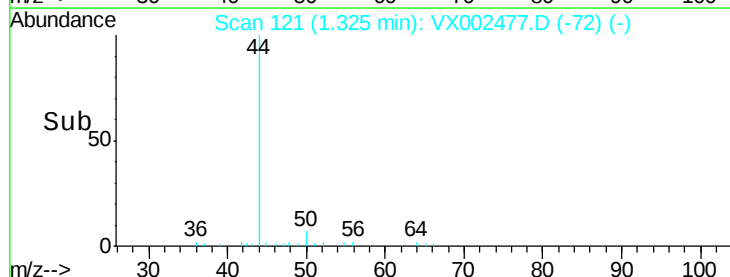
300

200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002477.D

Acq: 12 Jun 2018 19:58

Instrument :

MSVOA_X

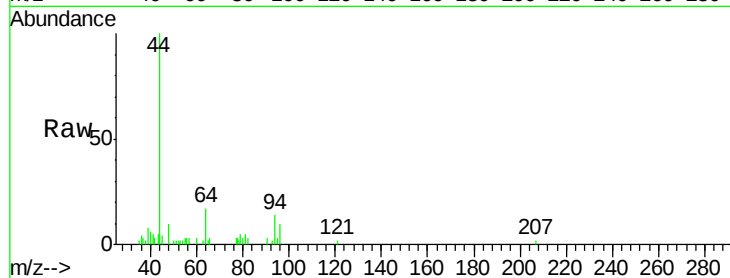
ClientSampleId :

Tot Ion: 94 Resp: 955

Ion Ratio Lower Upper

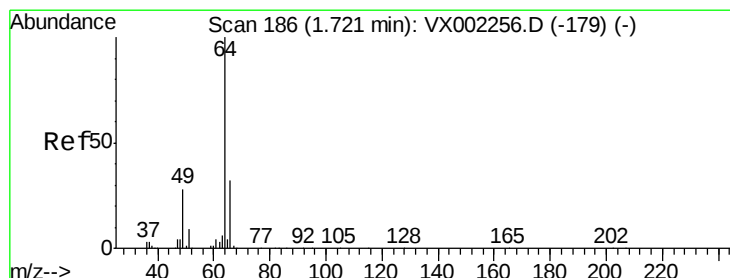
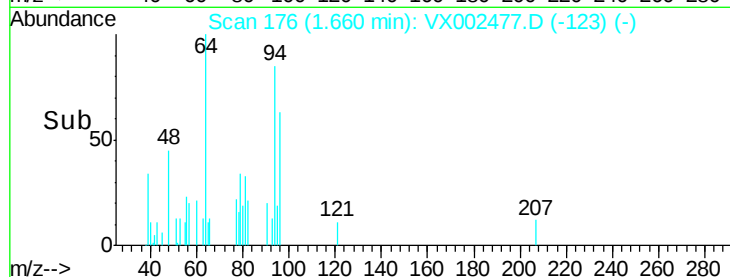
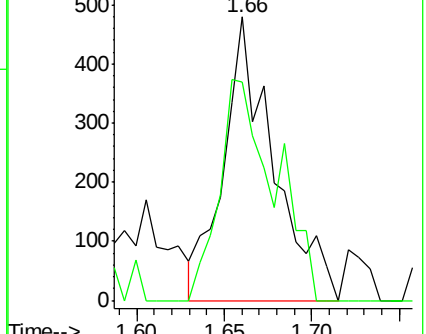
94 100

96 77.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.29 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002477.D

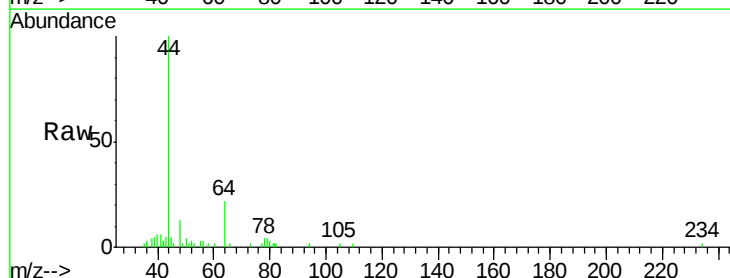
Acq: 12 Jun 2018 19:58

Tgt Ion: 64 Resp: 475

Ion Ratio Lower Upper

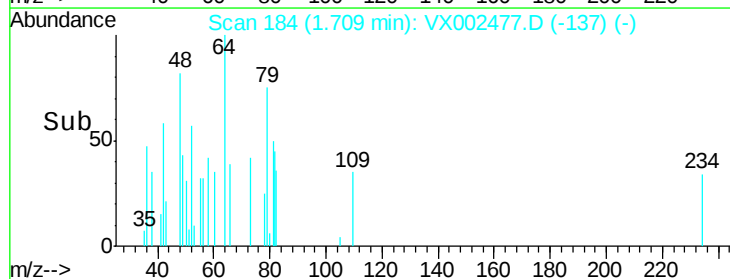
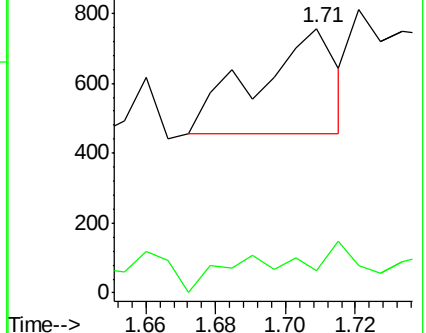
64 100

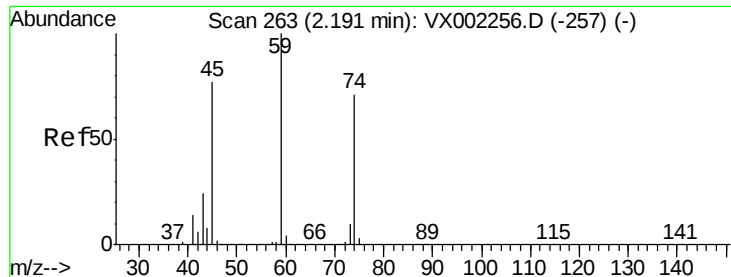
66 21.5 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

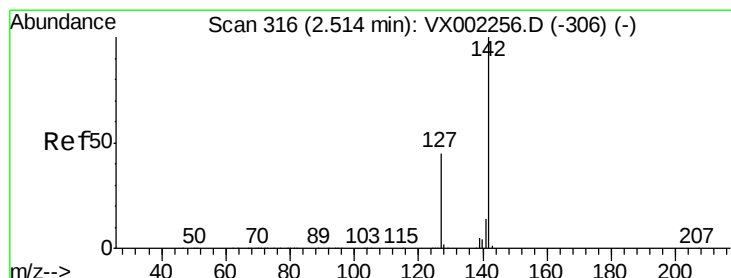
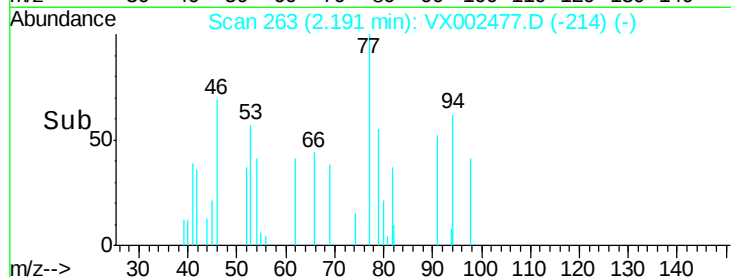
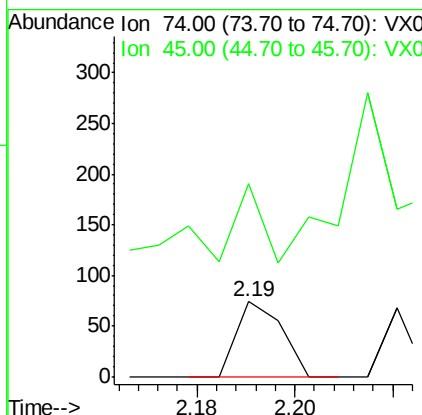
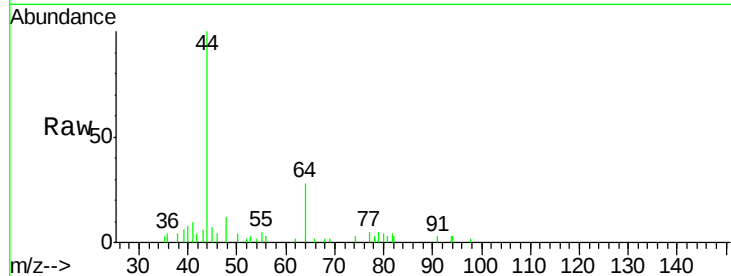




#8
Diethyl Ether
Concen: Below Cal
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

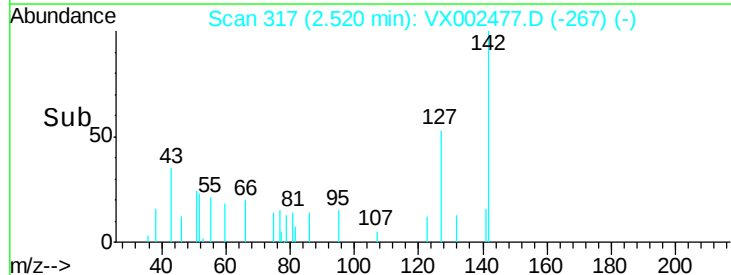
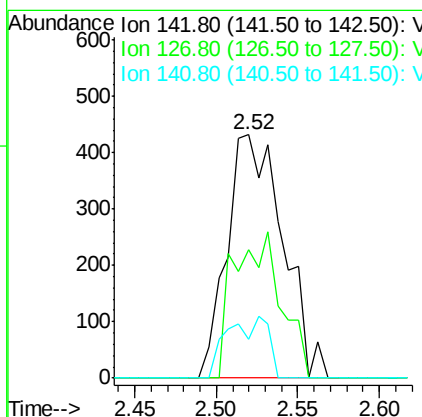
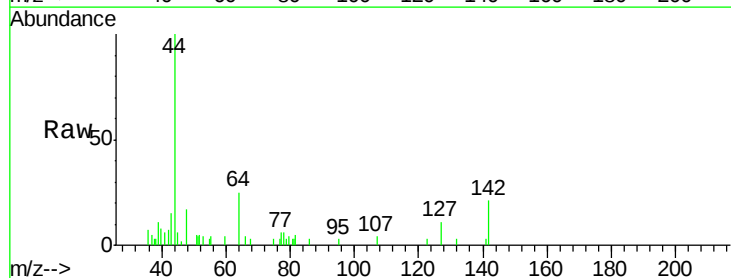
Instrument :
MSVOA_X
ClientSampled :

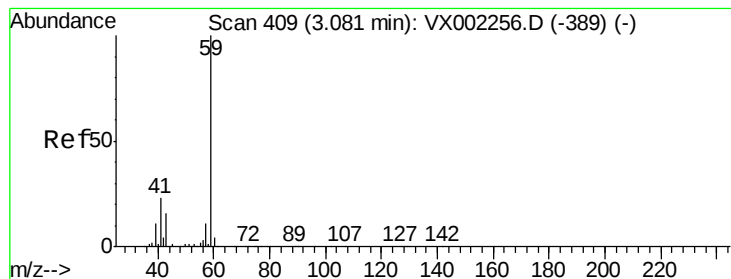
Tot Ion: 74 Resp: 47
Ion Ratio Lower Upper
74 100
45 142.6 53.1 159.4



#10
Methyl Iodide
Concen: 0.35 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Tgt Ion: 142 Resp: 1028
Ion Ratio Lower Upper
142 100
127 50.8 36.6 55.0
141 18.7 11.3 16.9#



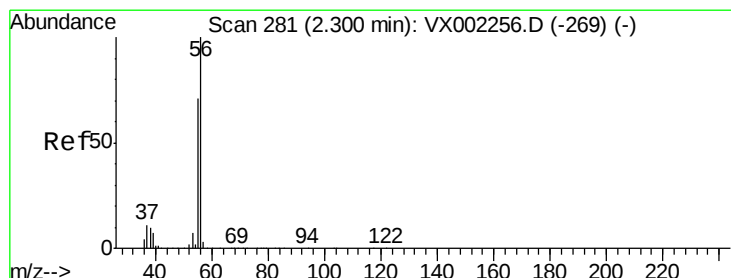
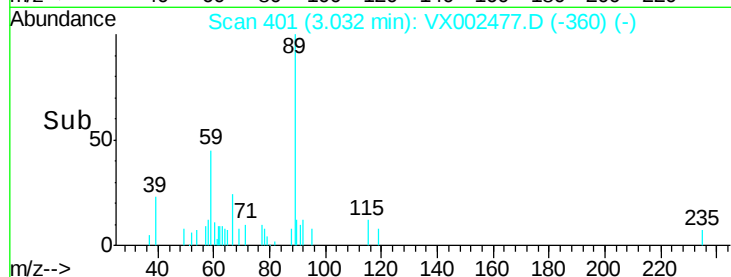
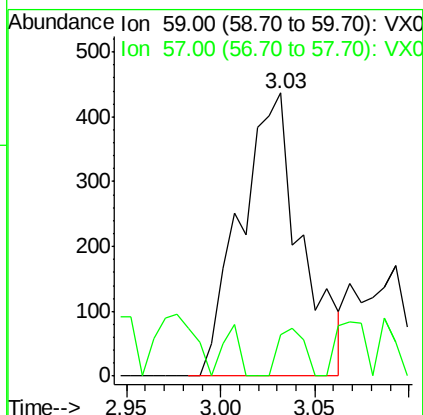
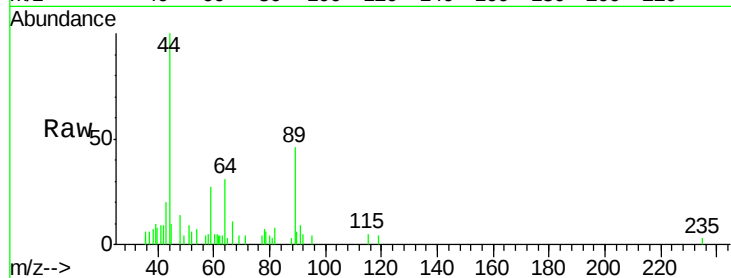


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Instrument :
MSVOA_X
ClientSampled :

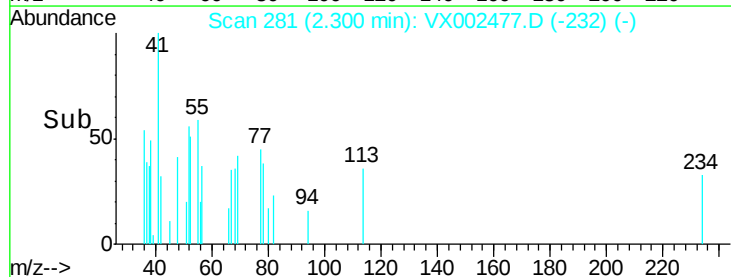
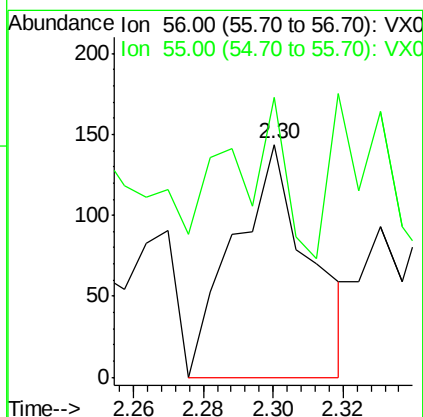
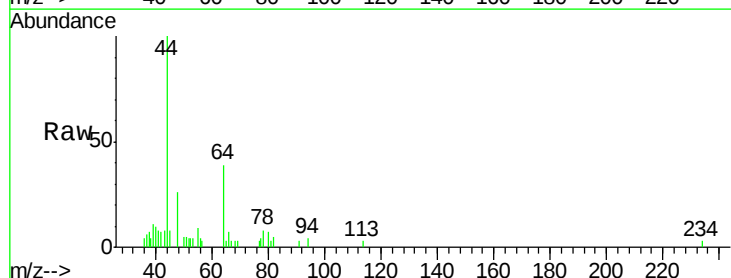
Tot Ion: 59 Resp: 974
Ion Ratio Lower Upper
59 100
57 7.3 8.2 12.2#

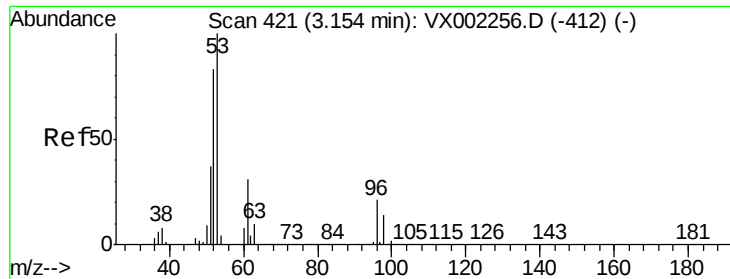


#13

Acrolein
Concen: Below Cal
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 47.9 57.0 85.4#





#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002477.D

Acq: 12 Jun 2018 19:58

Instrument :
MSVOA_X
ClientSampled :

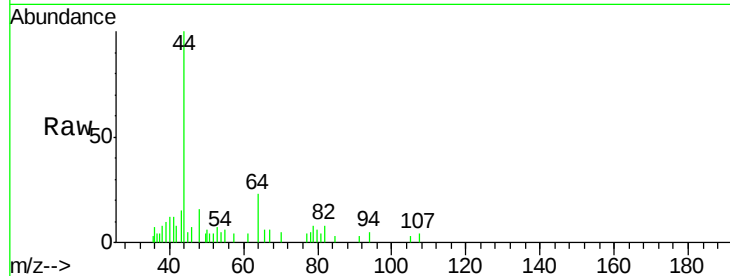
Tot Ion: 53 Resp: 158

Ion Ratio Lower Upper

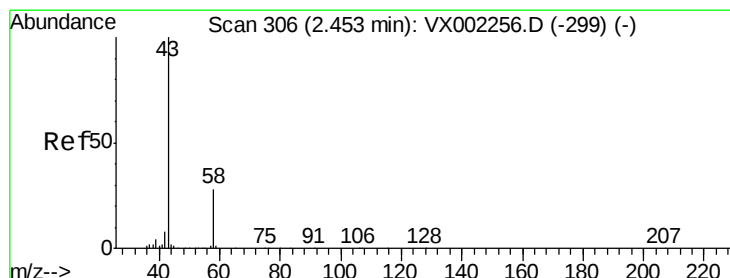
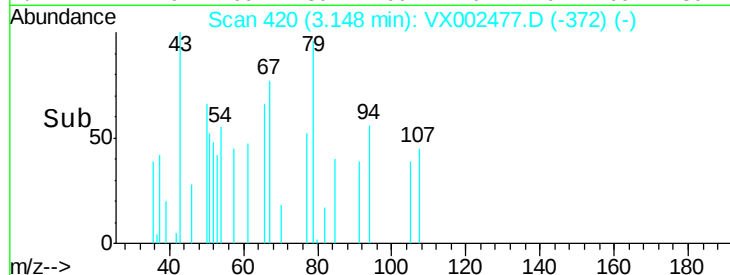
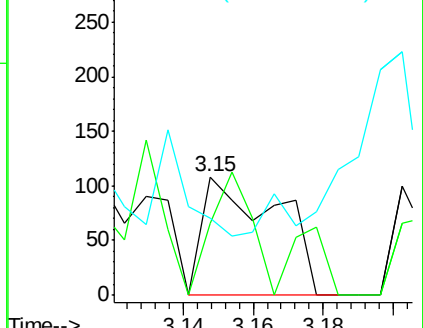
53 100

52 57.6 66.7 100.1#

51 60.1 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002477.D

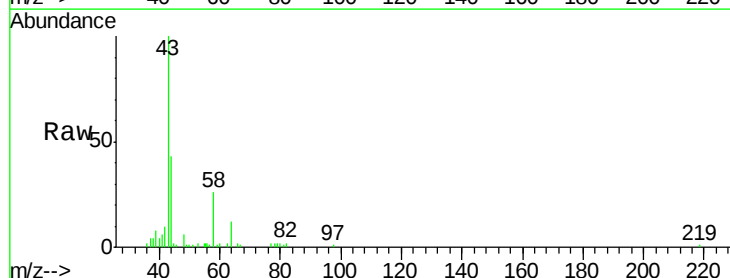
Acq: 12 Jun 2018 19:58

Tgt Ion: 43 Resp: 8354

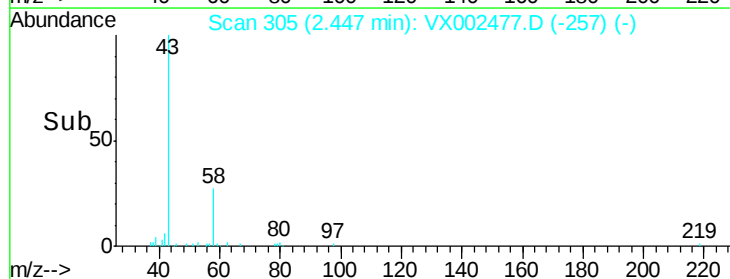
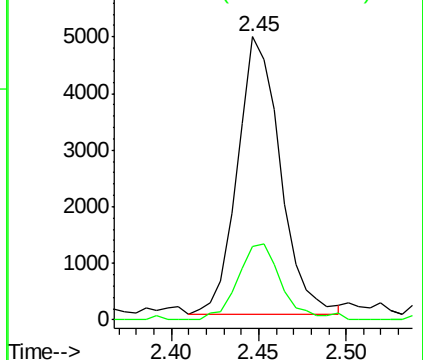
Ion Ratio Lower Upper

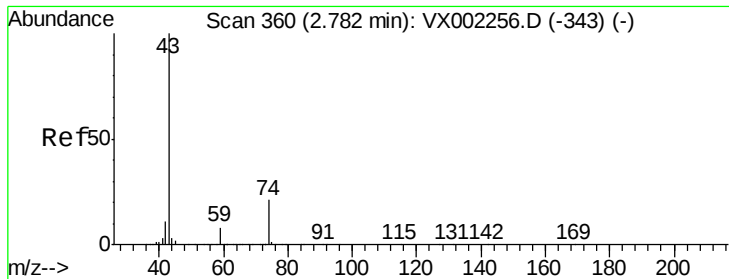
43 100

58 26.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

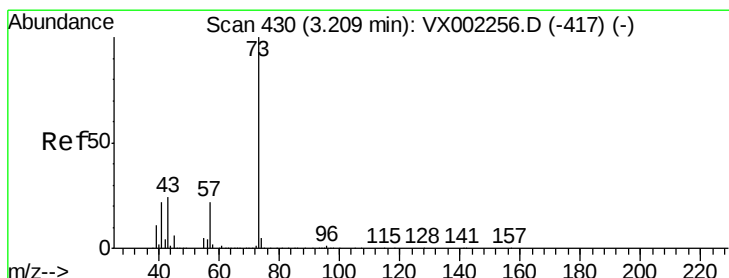
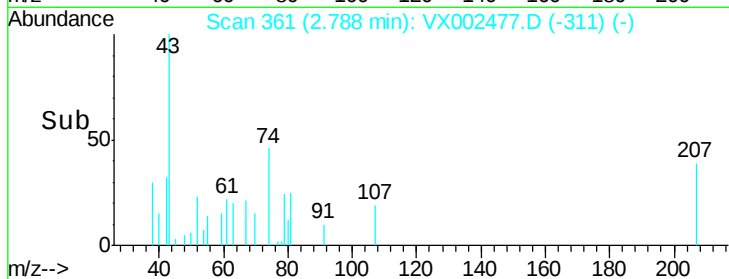
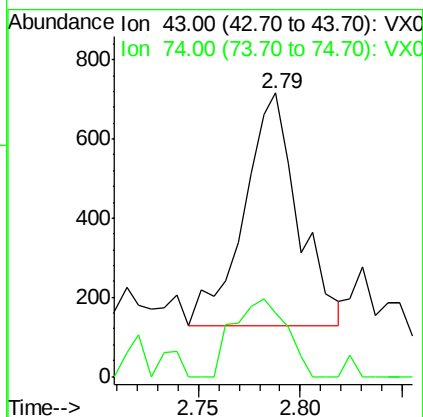
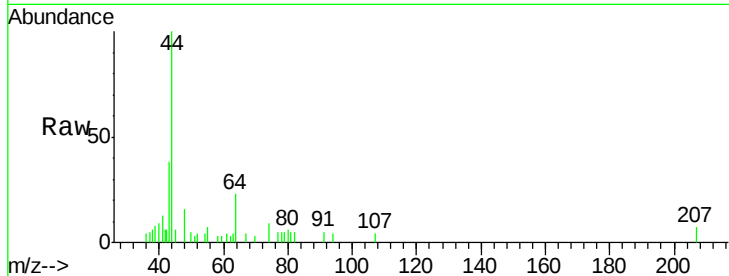




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

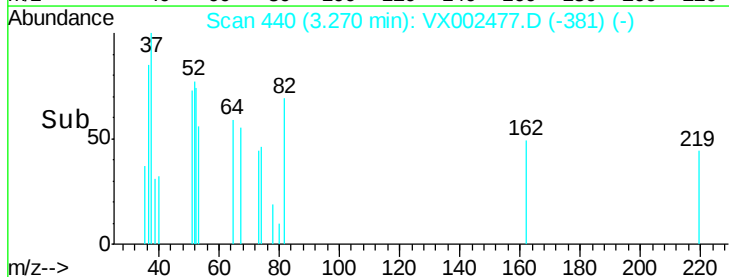
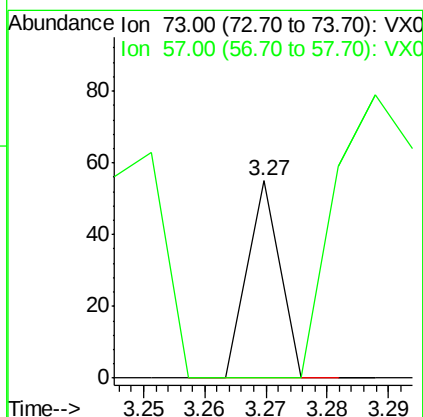
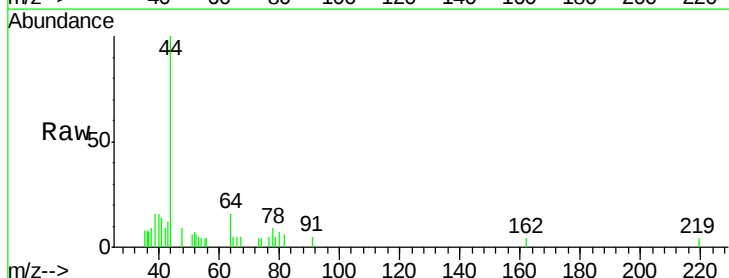
Instrument :
MSVOA_X
ClientSampled :

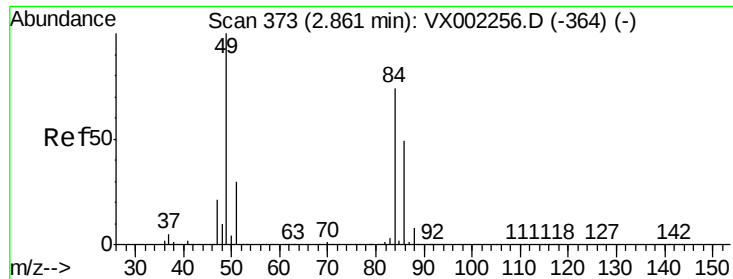
Tot Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
74 32.9 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.27 min Scan# 440
Delta R.T. 0.06 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Tgt Ion: 73 Resp: 20
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

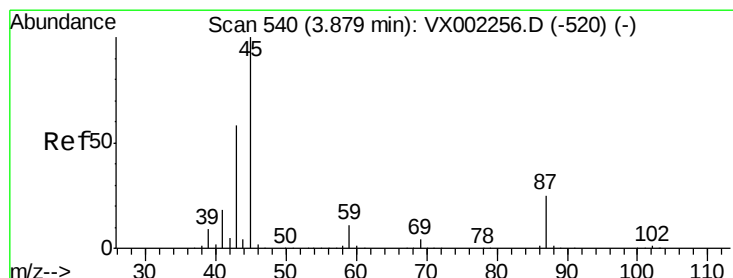
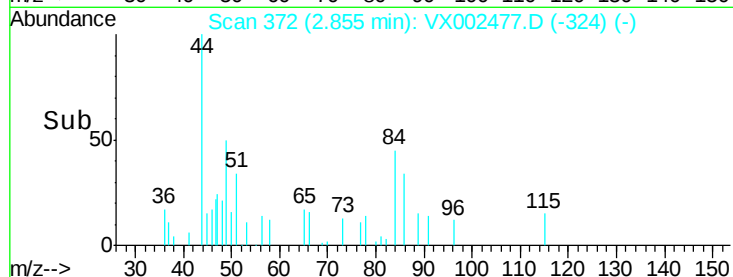
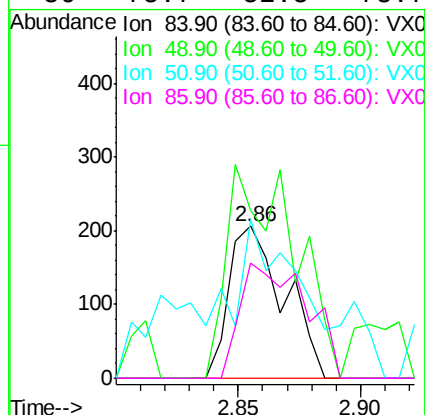
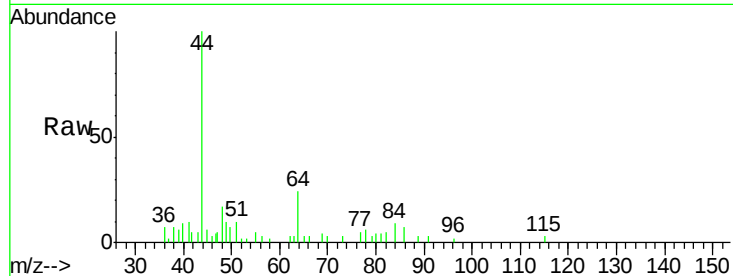
Delta R.T. -0.01 min

Lab File: VX002477.D

Acq: 12 Jun 2018 19:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	324
Ion	Ratio	Lower	Upper
84	100		
49	110.2	107.8	161.6
51	69.9	32.8	49.2#
86	75.7	52.5	78.7



#22

Diisopropyl ether

Concen: Below Cal

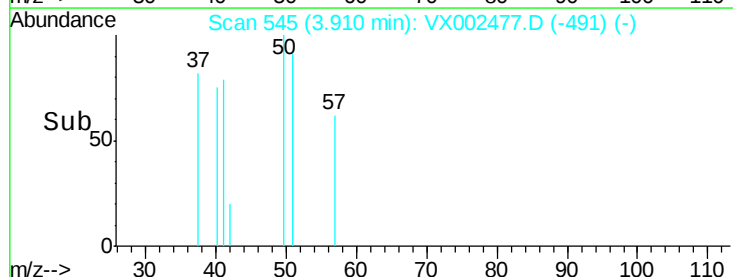
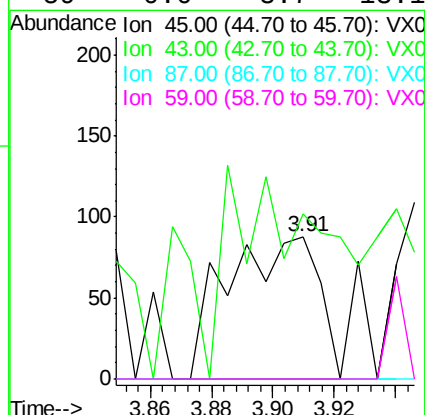
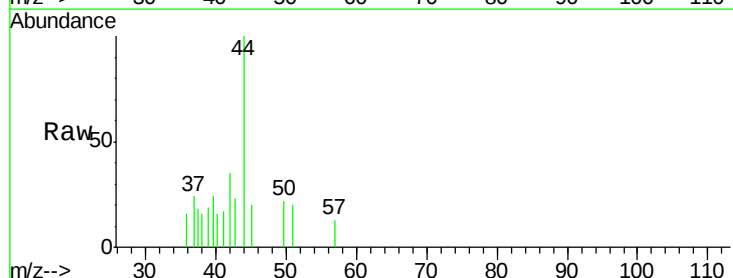
RT: 3.91 min Scan# 545

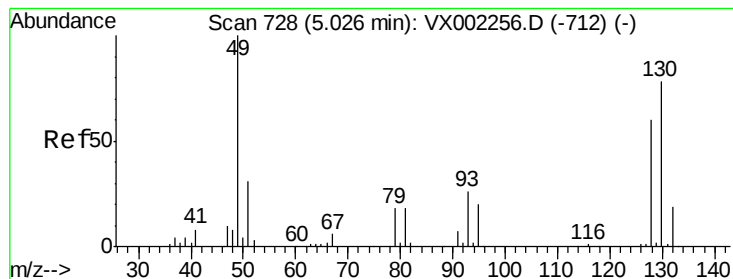
Delta R.T. 0.03 min

Lab File: VX002477.D

Acq: 12 Jun 2018 19:58

Tgt Ion:	45	Resp:	182
Ion	Ratio	Lower	Upper
45	100		
43	33.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002477.D

Acq: 12 Jun 2018 19:58

Instrument :

MSVOA_X

ClientSampled :

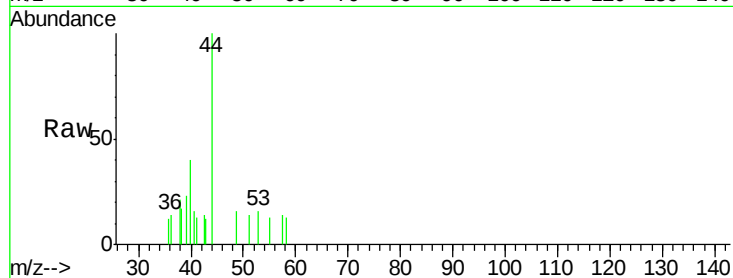
Tot Ion: 49 Resp: 48

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

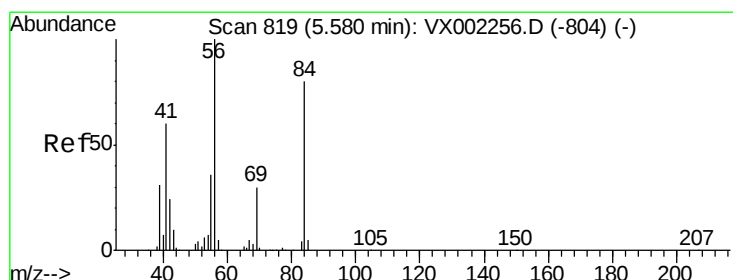
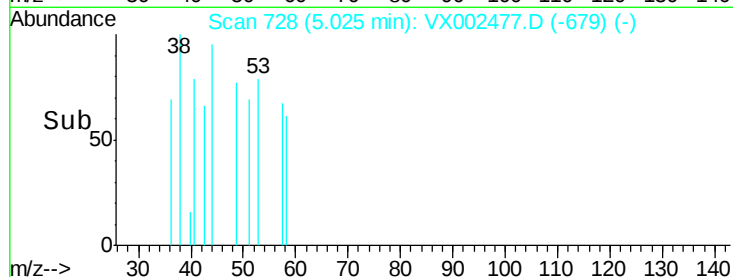
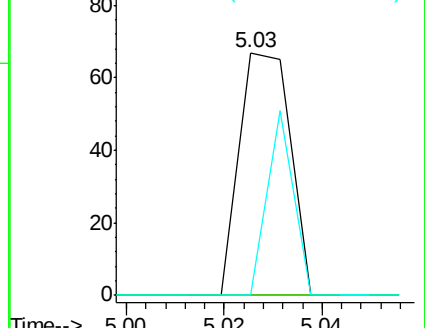
130 39.6 61.2 91.8#



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: 1.26 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002477.D

Acq: 12 Jun 2018 19:58

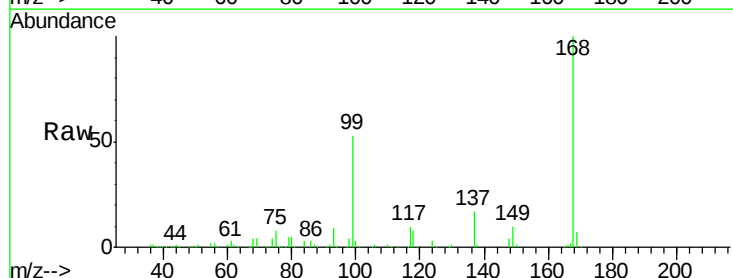
Tgt Ion: 56 Resp: 4393

Ion Ratio Lower Upper

56 100

69 193.2 23.7 35.5#

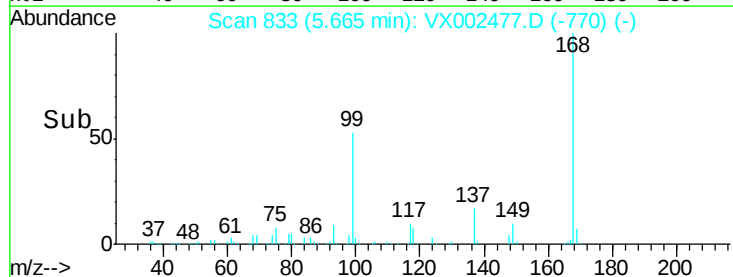
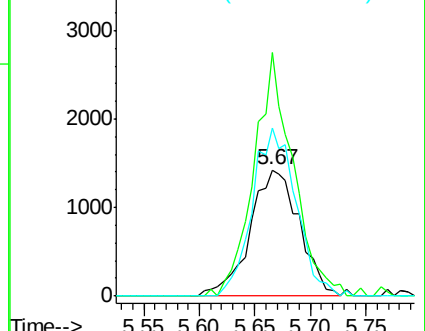
84 133.7 64.1 96.1#



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

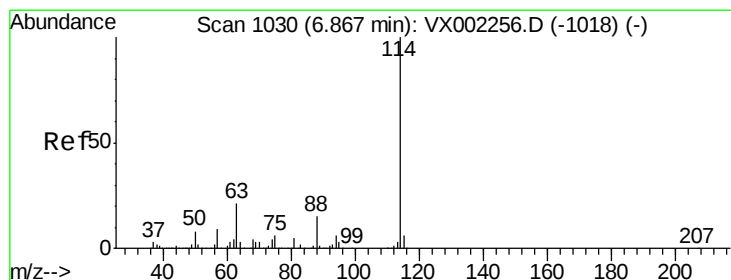
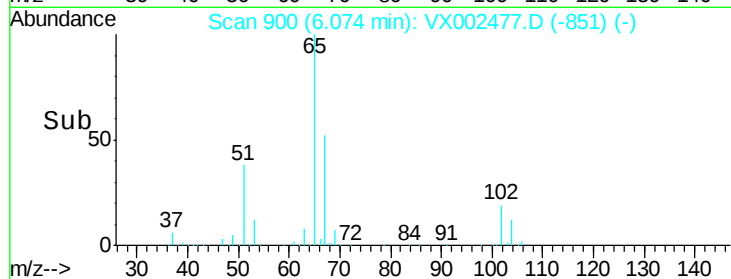
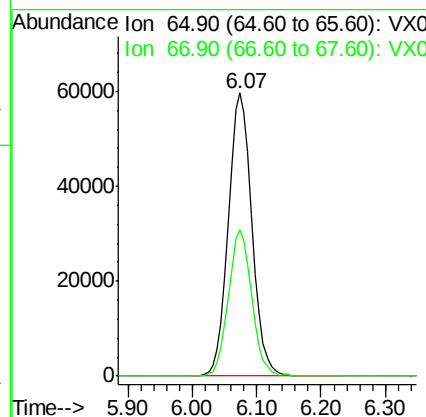
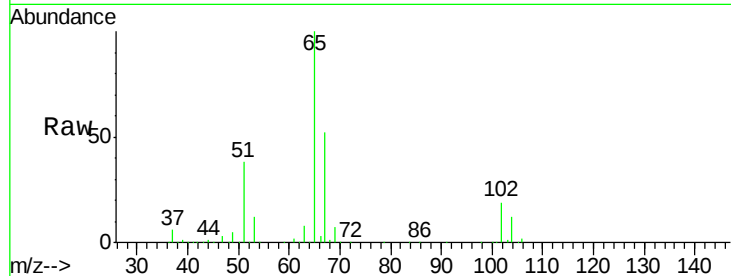




#33
 1,2-Dichloroethane-d4
 Concen: 56.73 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002477.D
 Acq: 12 Jun 2018 19:58

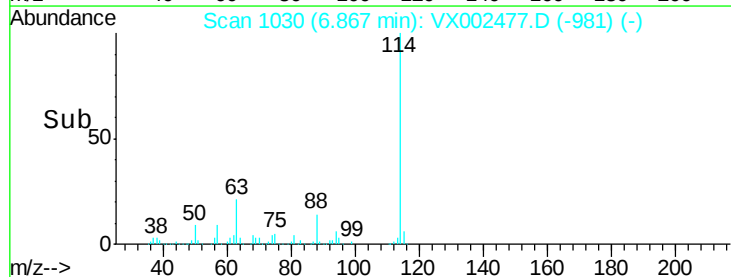
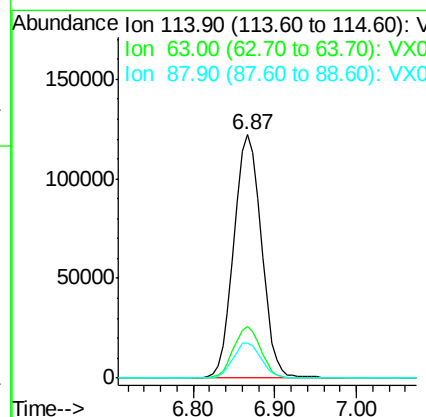
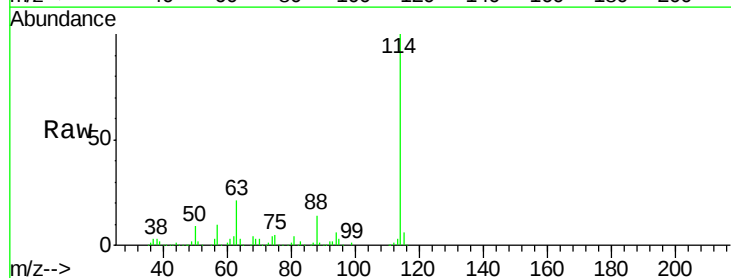
Instrument :
 MSVOA_X
 ClientSampleId :

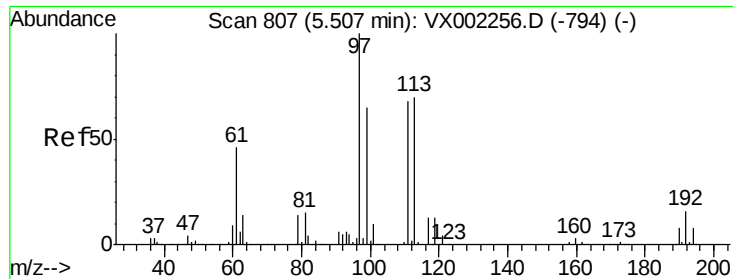
Tot Ion: 65 Resp: 154749
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002477.D
 Acq: 12 Jun 2018 19:58

Tgt Ion: 114 Resp: 285549
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.4
 88 14.4 0.0 30.0

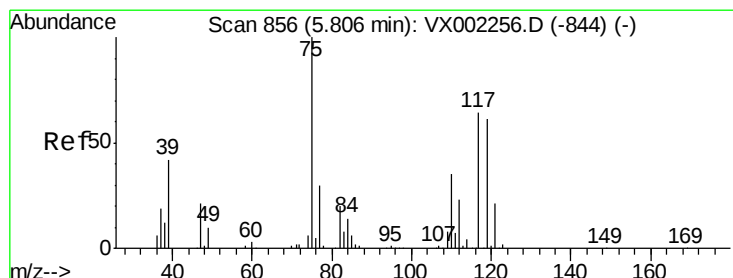
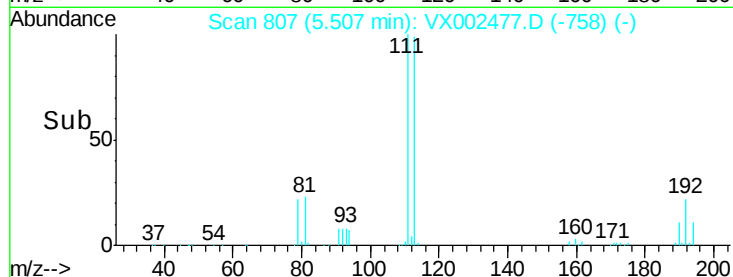
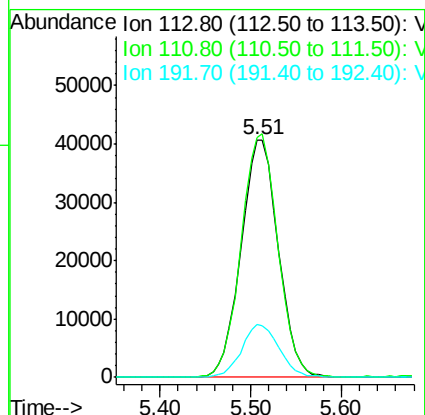
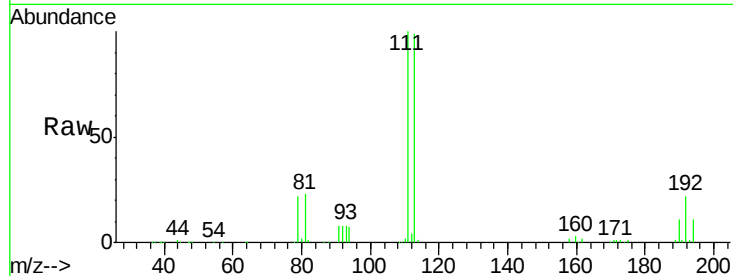




#35
Dibromofluoromethane
Concen: 51.51 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

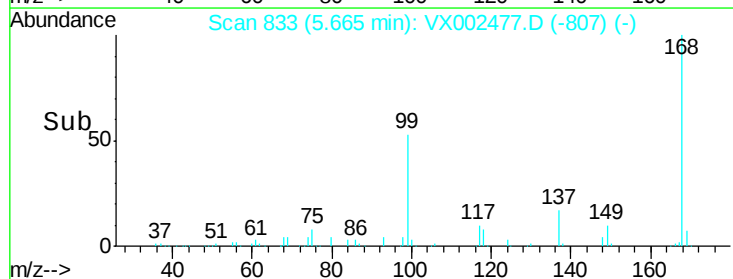
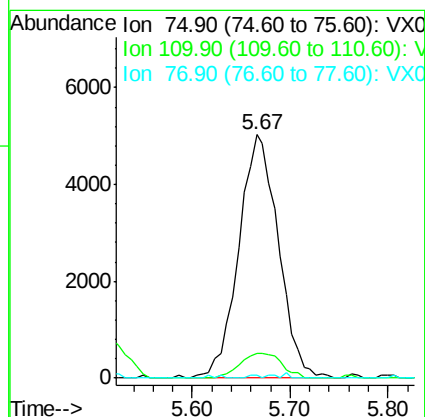
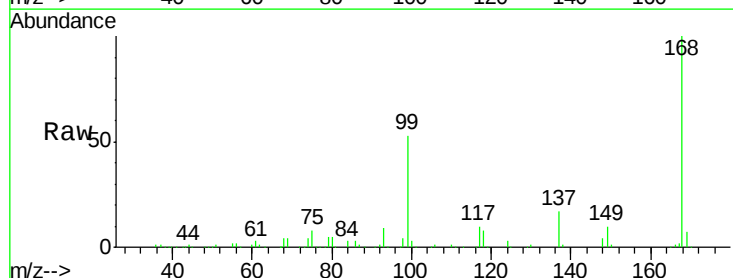
Instrument :
MSVOA_X
ClientSampled :

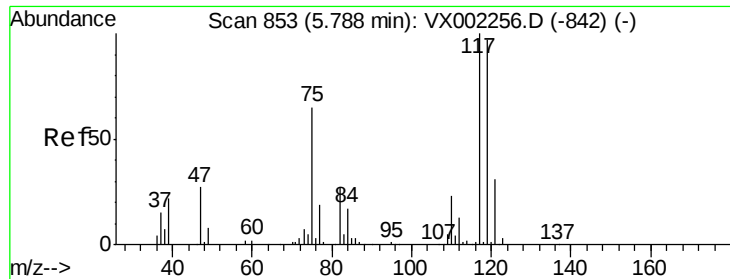
Tot Ion:113 Resp: 115674
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.0
192 22.3 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.14 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Tgt Ion: 75 Resp: 14147
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.3 24.3 36.5#

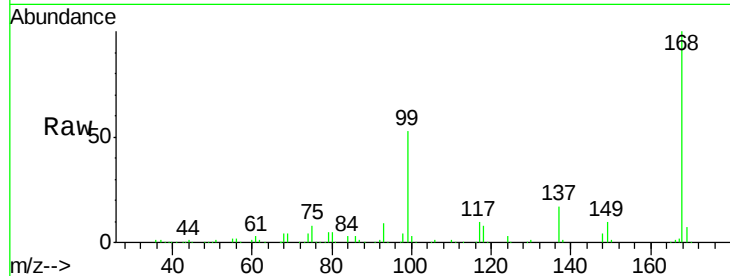




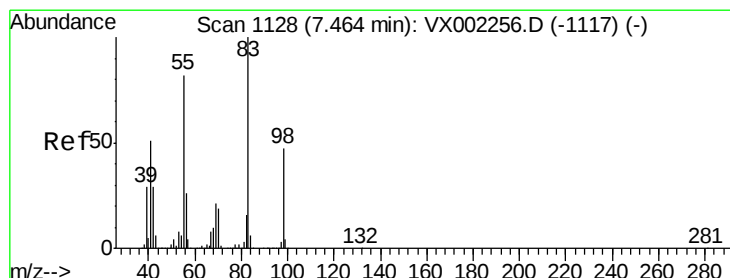
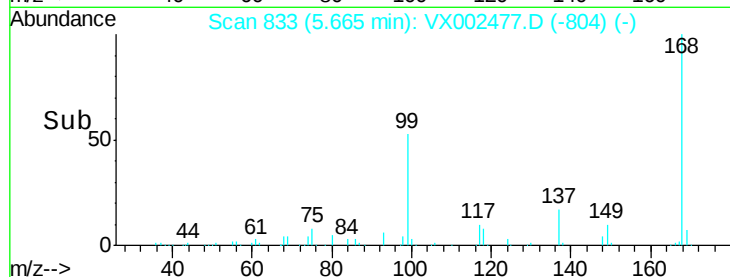
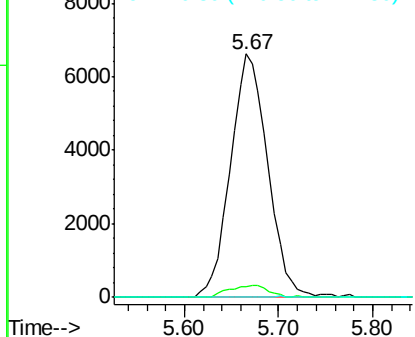
#38
Carbon Tetrachloride
Concen: 5.81 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 18261
Ion Ratio Lower Upper
117 100
119 4.2 77.4 116.0#
121 0.0 24.4 36.6#

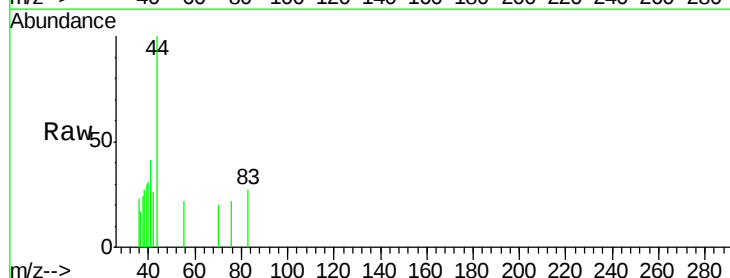


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

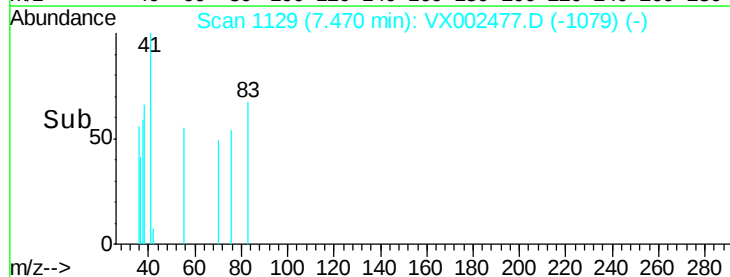
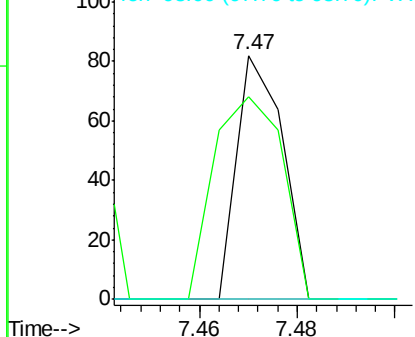


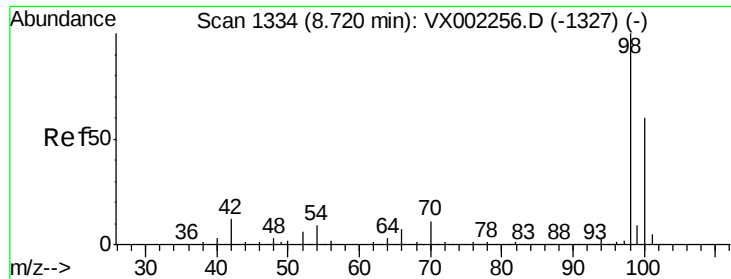
#39
Methylcyclohexane
Concen: 0.28 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
55 82.9 65.4 98.0
98 0.0 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

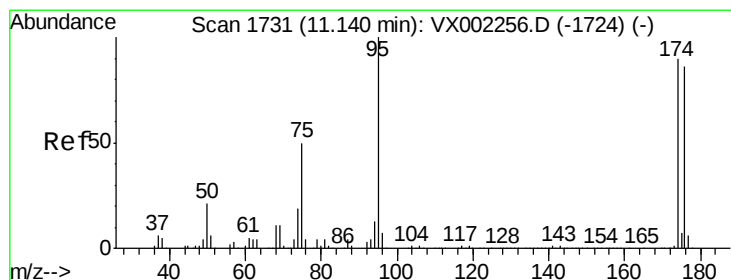
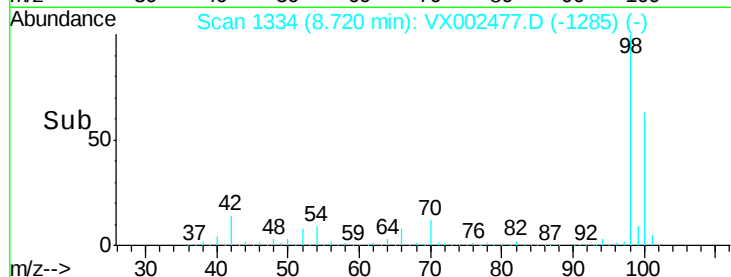
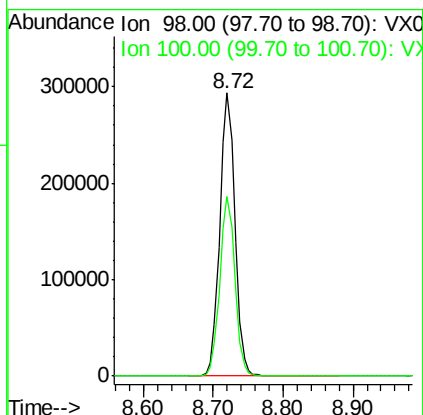
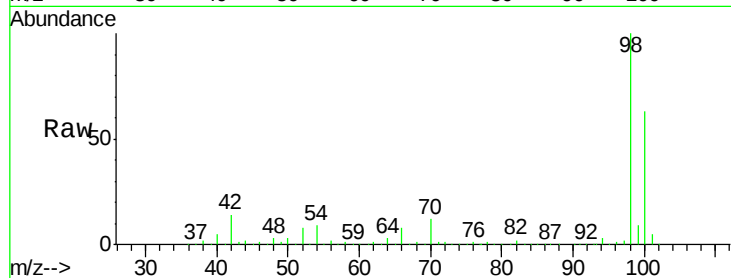




#50
Toluene-d8
Concen: 51.64 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

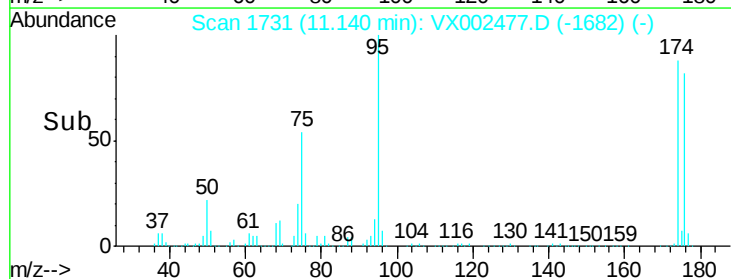
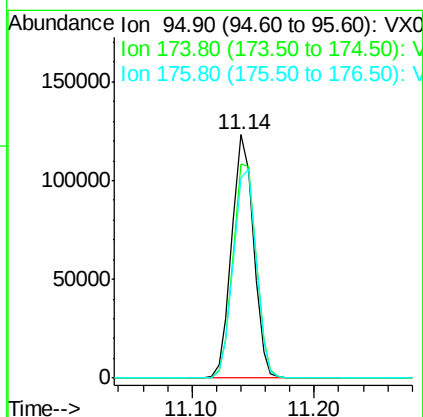
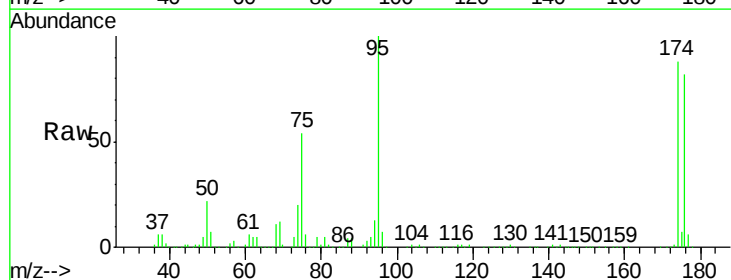
Instrument :
MSVOA_X
ClientSampleId :

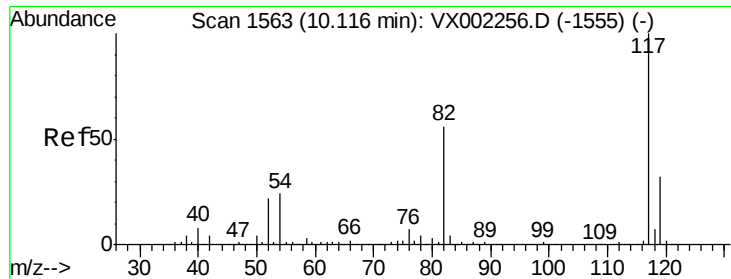
Tot Ion: 98 Resp: 444493
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 45.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Tgt Ion: 95 Resp: 151198
Ion Ratio Lower Upper
95 100
174 94.1 0.0 187.4
176 90.3 0.0 181.0

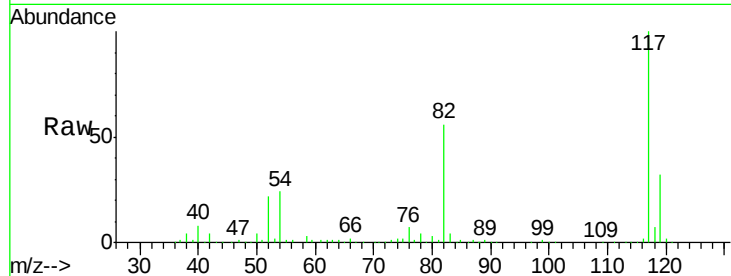




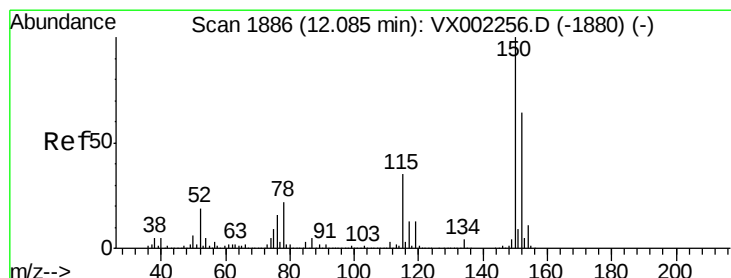
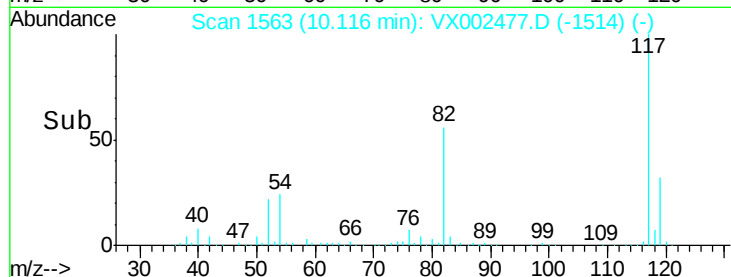
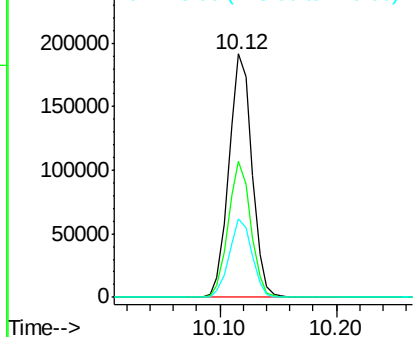
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 263124
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 32.4 25.8 38.6

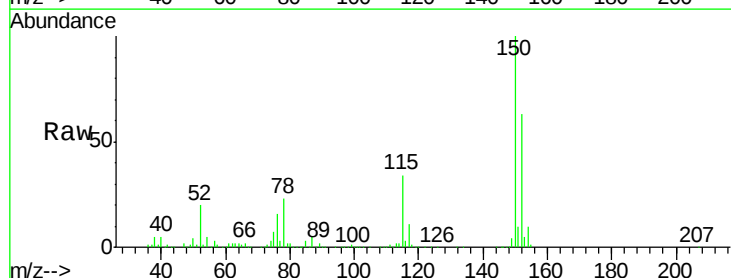


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

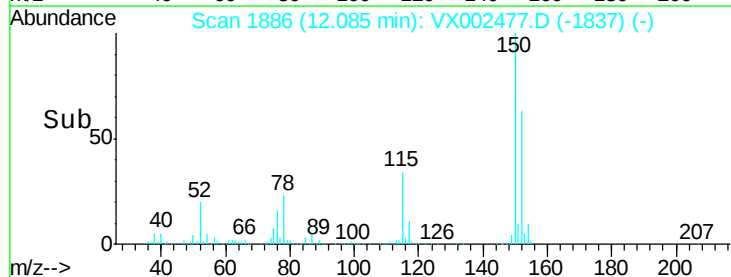
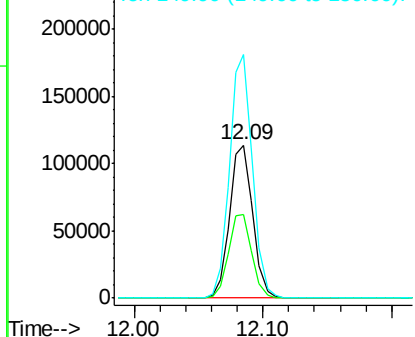


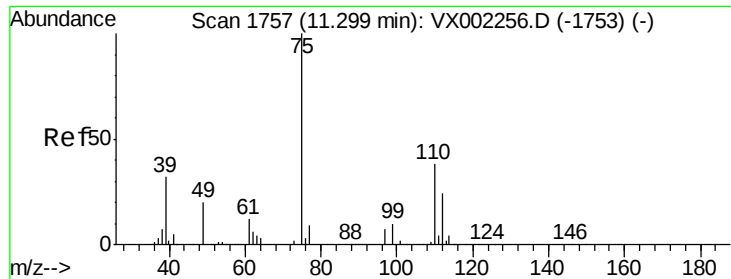
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002477.D
Acq: 12 Jun 2018 19:58

Tgt Ion:152 Resp: 143251
Ion Ratio Lower Upper
152 100
115 55.1 40.1 120.2
150 157.5 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

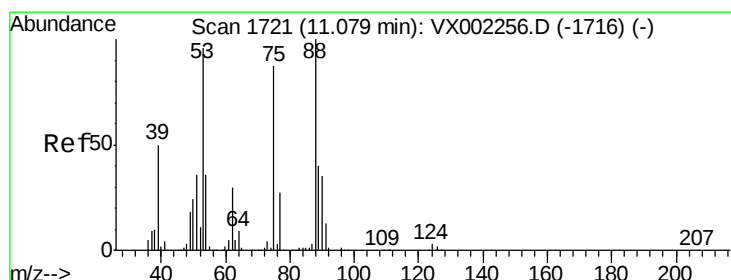
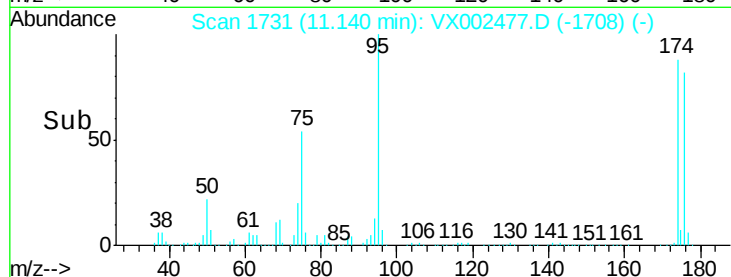
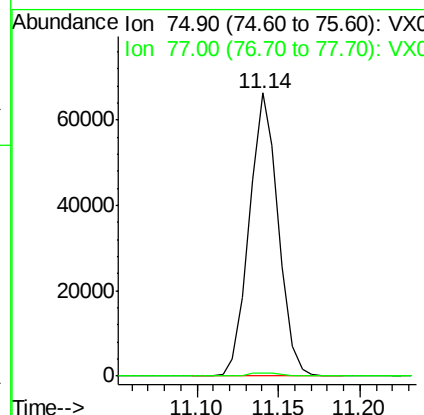
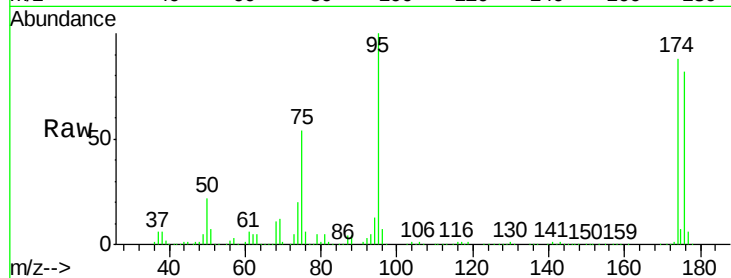




#76
 1,2,3-Trichloropropane
 Concen: 26.16 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002477.D
 Acq: 12 Jun 2018 19:58

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 82230
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.70 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002477.D
 Acq: 12 Jun 2018 19:58

Tgt Ion: 75 Resp: 82230
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

