

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002478.D
 Acq On : 12 Jun 2018 20:25
 Operator : JC/MD
 Sample : J3402-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 01:28:17 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	196920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	294104	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	273104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151406	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	158309	56.68	ug/l	0.00
Spiked Amount			Recovery	=	113.36%	
35) Dibromofluoromethane	5.51	113	117498	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	8.72	98	463769	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	11.14	95	159928	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	

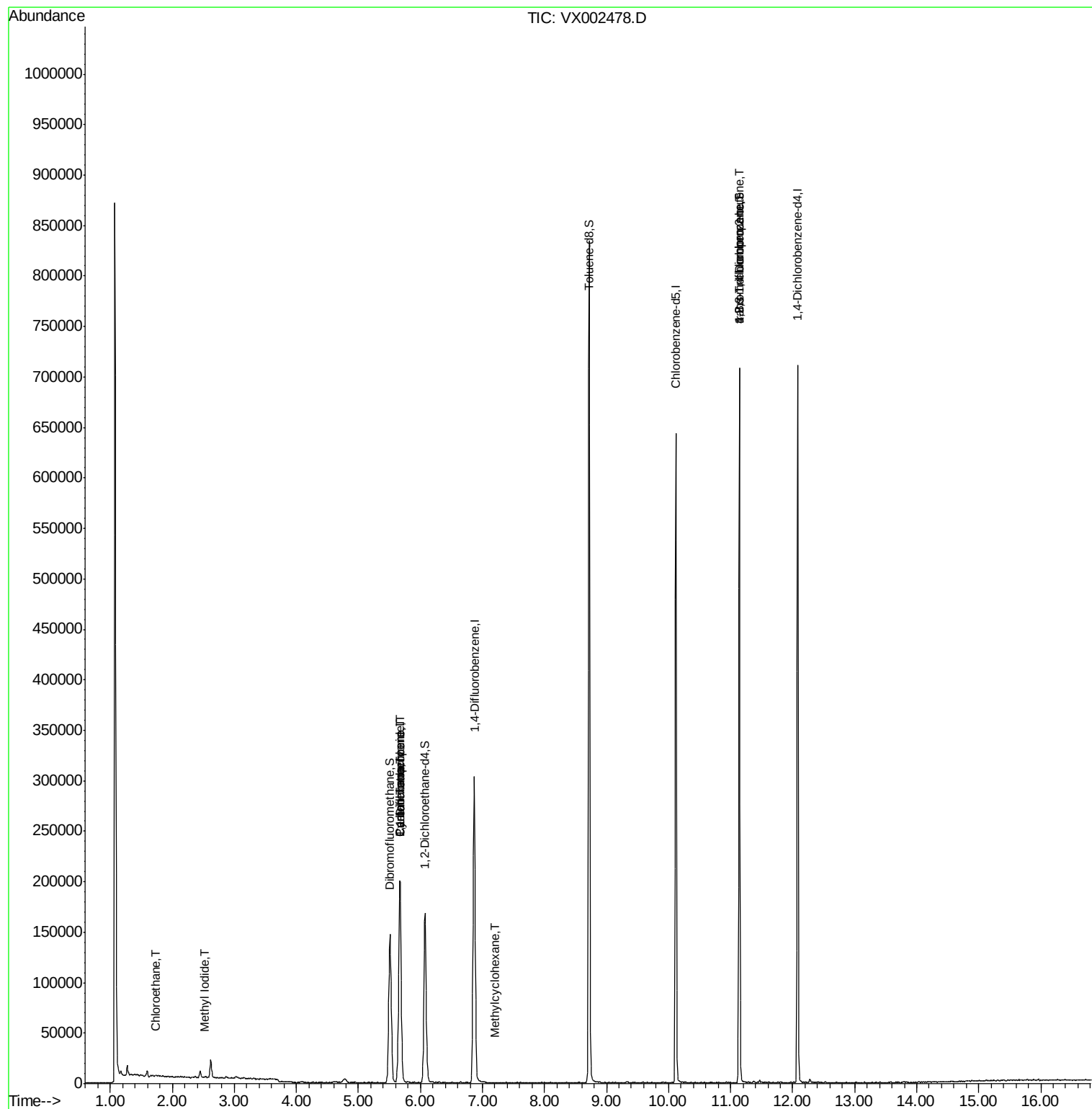
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	564	Below Cal		92
5) Bromomethane	1.65	94	970	Below Cal		100
6) Chloroethane	1.72	64	583	0.35	ug/l #	63
8) Diethyl Ether	2.22	74	67	Below Cal		67
10) Methyl Iodide	2.53	142	955	0.32	ug/l	90
11) Tert butyl alcohol	3.03	59	1280	Below Cal	#	87
13) Acrolein	2.32	56	107	Below Cal		88
15) Acrylonitrile	3.14	53	70	Below Cal	#	1
16) Acetone	2.45	43	8319	Below Cal		100
18) Methyl Acetate	2.62	43	5898	Below Cal	#	55
19) Methyl tert-butyl Ether	3.20	73	49	Below Cal	#	54
20) Methylene Chloride	2.86	84	504	Below Cal	#	55
22) Diisopropyl ether	3.87	45	166	Below Cal	#	42
28) Bromochloromethane	5.07	49	20	Below Cal	#	13
31) Cyclohexane	5.66	56	4358	1.23	ug/l #	17
36) 1,1-Dichloropropene	5.67	75	14321	4.63	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18766	5.80	ug/l #	17
39) Methylcyclohexane	7.21	83	27	0.27	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	87333	26.29	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	87333	92.15	ug/l #	7

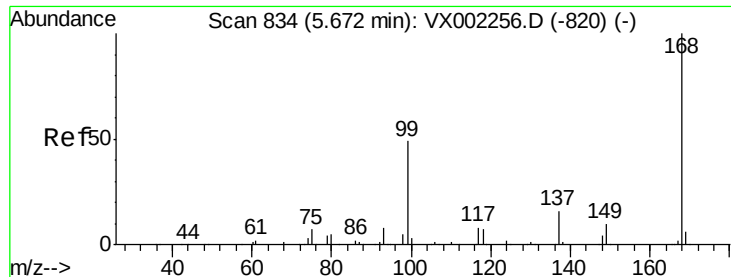
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061218\
Data File : VX002478.D
Acq On : 12 Jun 2018 20:25
Operator : JC/MD
Sample : J3402-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 13 01:28:17 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: VX002478.D

Acq: 12 Jun 2018 20:25

Instrument :

MSVOA_X

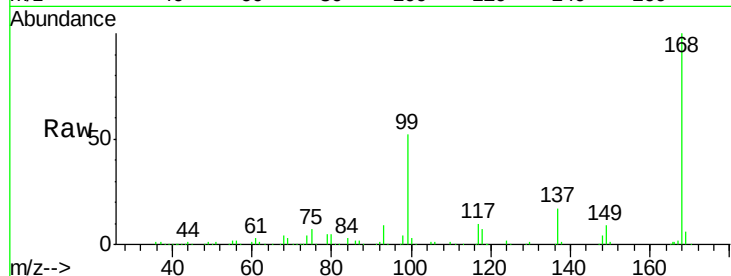
ClientSampleId :

Tot Ion:168 Resp: 196920

Ion Ratio Lower Upper

168 100

99 52.0 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

80000

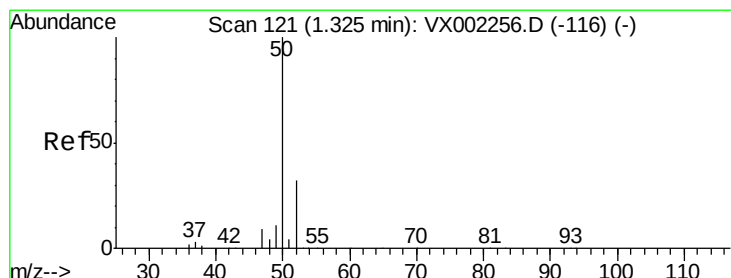
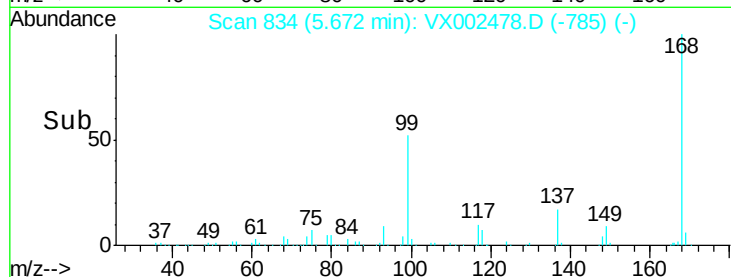
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002478.D

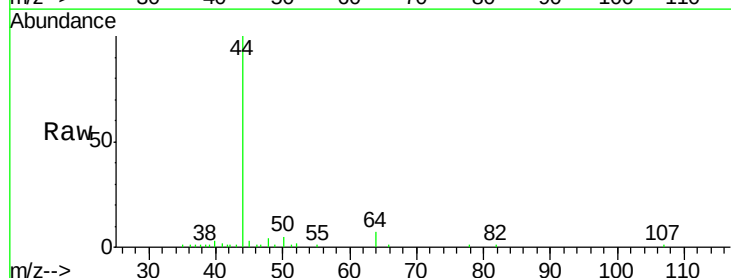
Acq: 12 Jun 2018 20:25

Tgt Ion: 50 Resp: 564

Ion Ratio Lower Upper

50 100

52 36.5 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

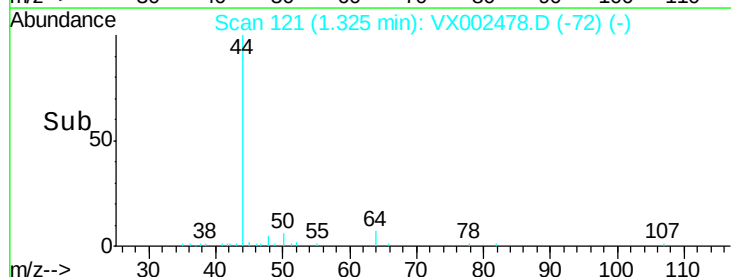
300

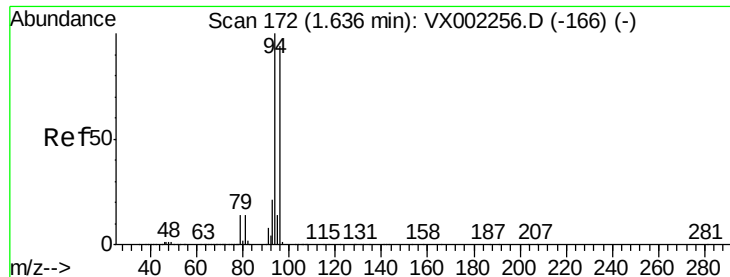
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002478.D

Acq: 12 Jun 2018 20:25

Instrument :

MSVOA_X

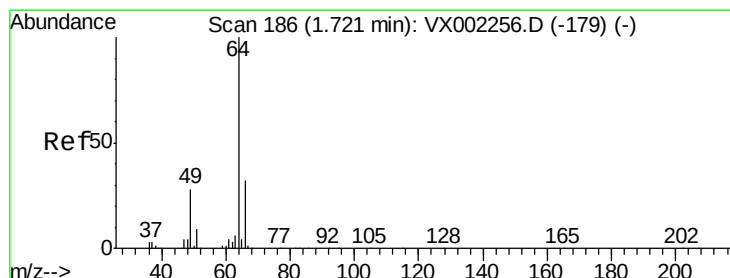
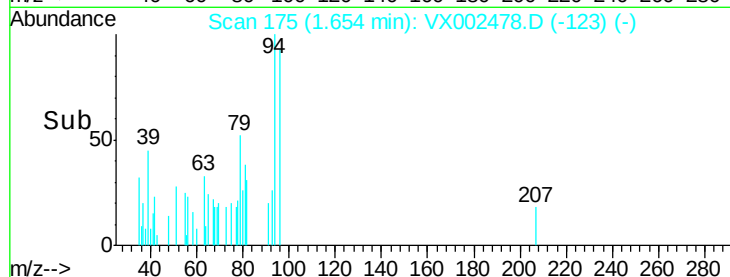
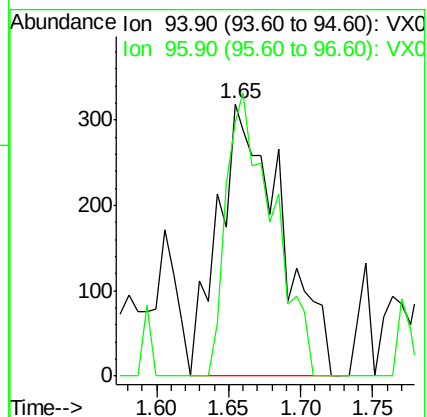
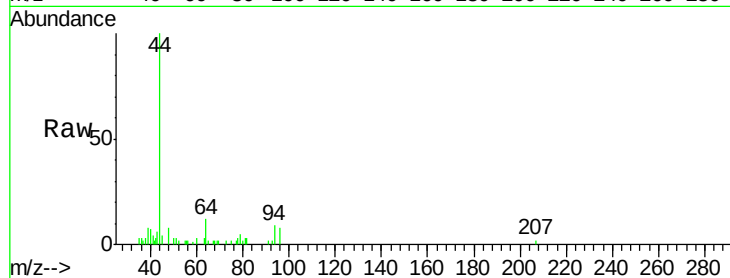
ClientSampled :

Tot Ion: 94 Resp: 970

Ion Ratio Lower Upper

94 100

96 93.4 74.9 112.3



#6

Chloroethane

Concen: 0.35 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX002478.D

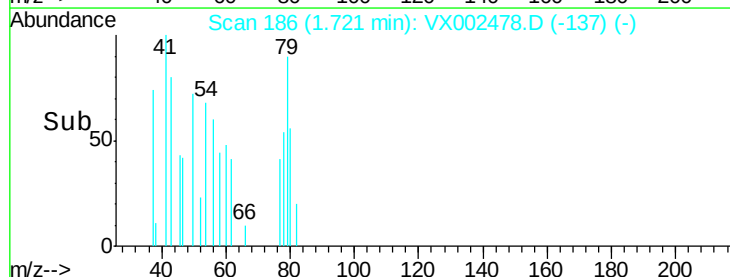
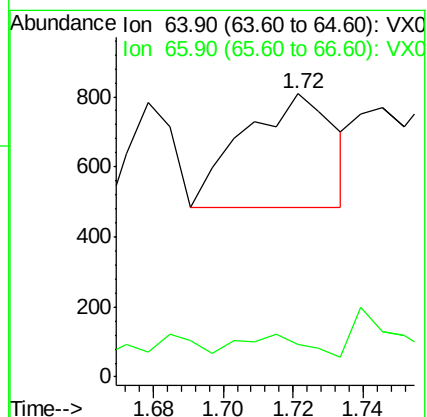
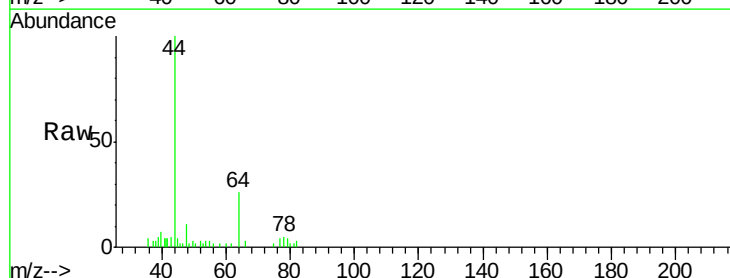
Acq: 12 Jun 2018 20:25

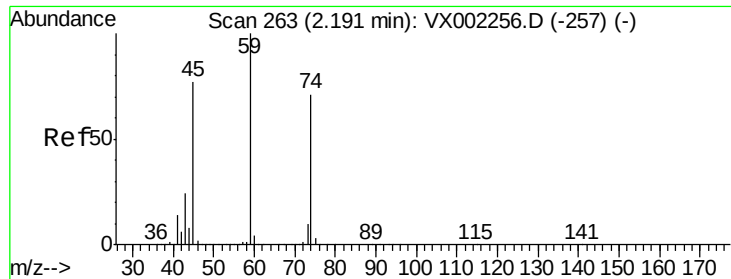
Tgt Ion: 64 Resp: 583

Ion Ratio Lower Upper

64 100

66 11.5 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 2.22 min Scan# 268

Delta R.T. 0.03 min

Lab File: VX002478.D

Acq: 12 Jun 2018 20:25

Instrument :

MSVOA_X

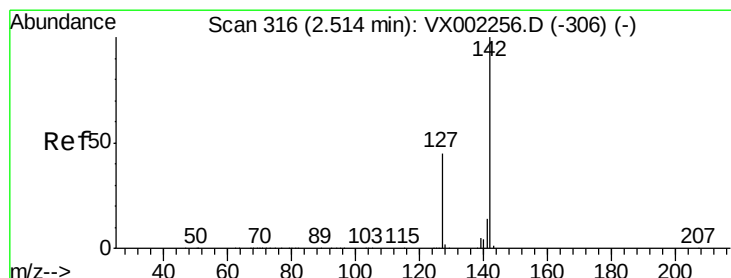
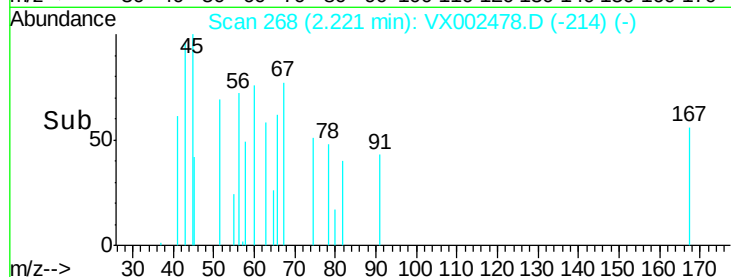
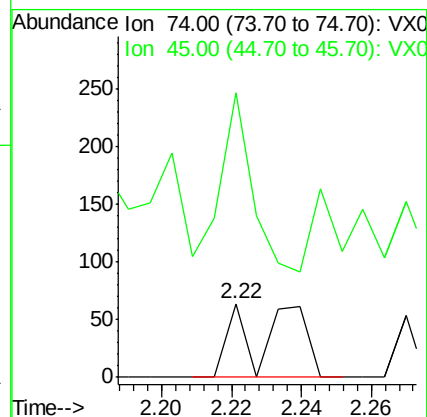
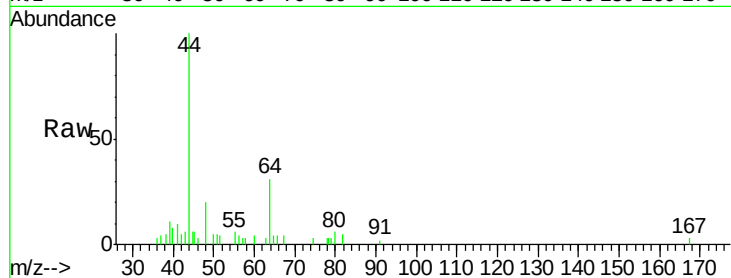
ClientSampleId :

Tot Ion: 74 Resp: 67

Ion Ratio Lower Upper

74 100

45 140.3 53.1 159.4



#10

Methyl Iodide

Concen: 0.32 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002478.D

Acq: 12 Jun 2018 20:25

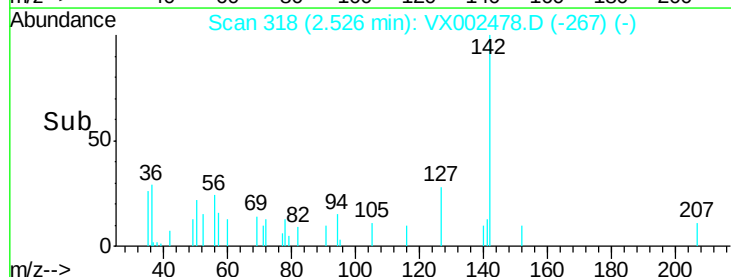
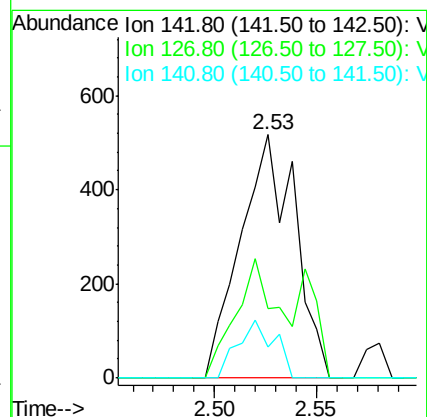
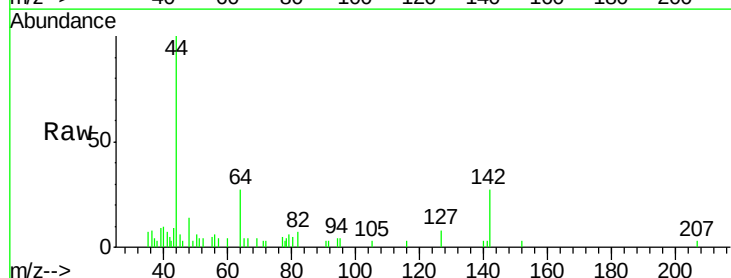
Tgt Ion: 142 Resp: 955

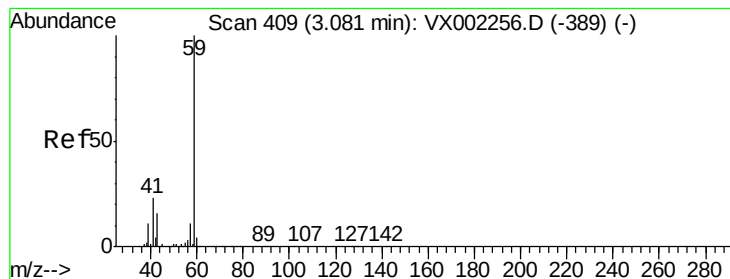
Ion Ratio Lower Upper

142 100

127 38.2 36.6 55.0

141 15.9 11.3 16.9



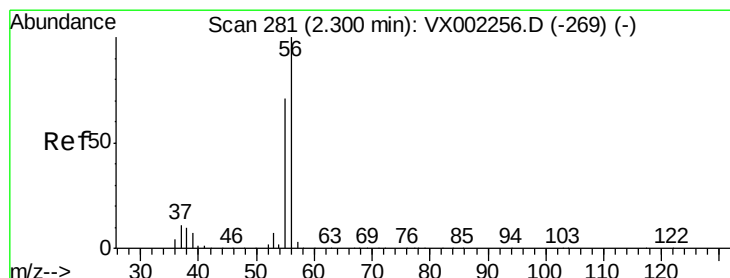
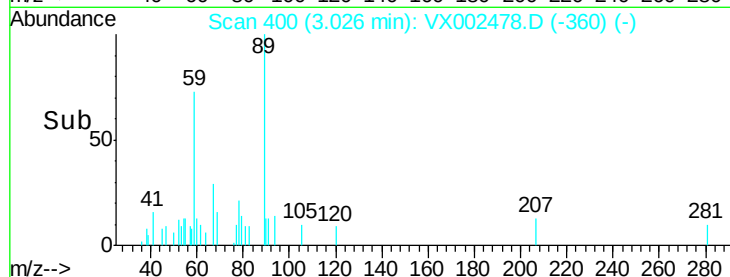
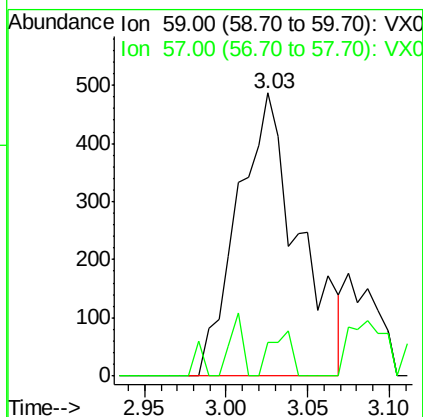
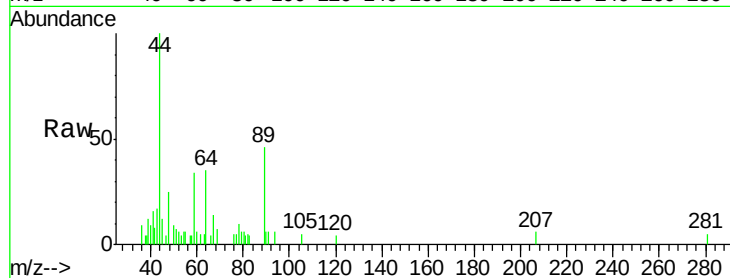


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Instrument :
MSVOA_X
ClientSampled :

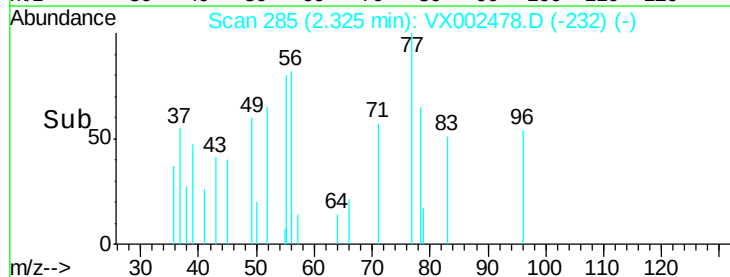
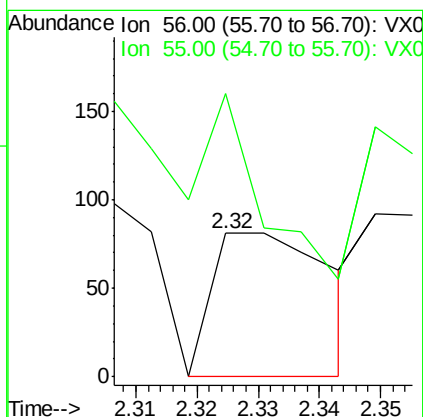
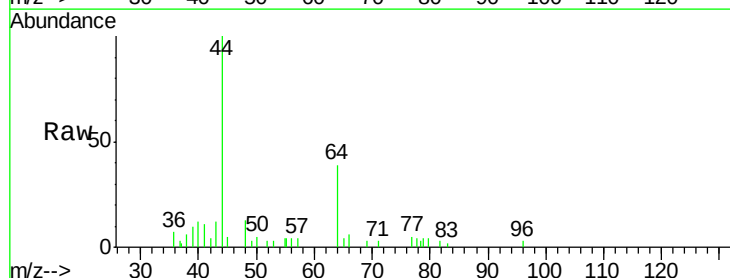
Tot Ion: 59 Resp: 1280
Ion Ratio Lower Upper
59 100
57 5.5 8.2 12.2#

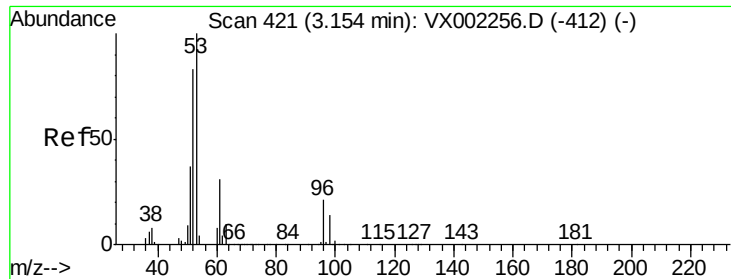


#13

Acrolein
Concen: Below Cal
RT: 2.32 min Scan# 285
Delta R.T. 0.02 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 81.3 57.0 85.4





#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002478.D

Acq: 12 Jun 2018 20:25

Instrument :

MSVOA_X

ClientSampleId :

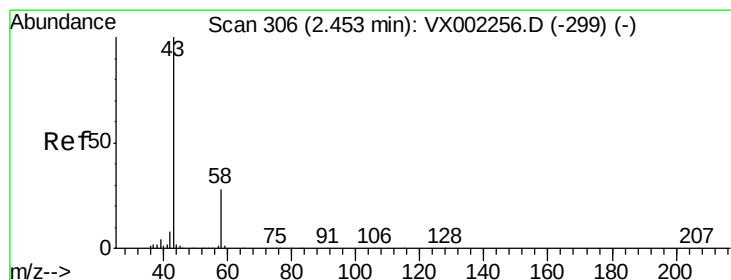
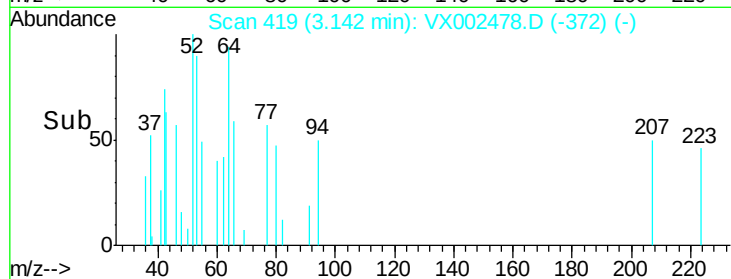
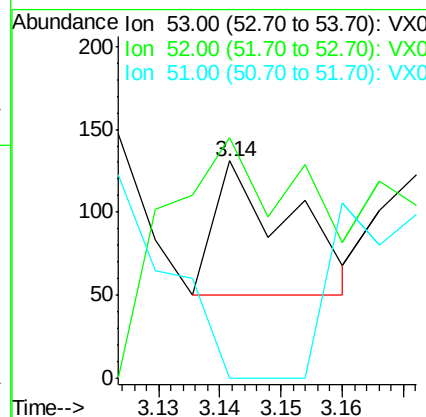
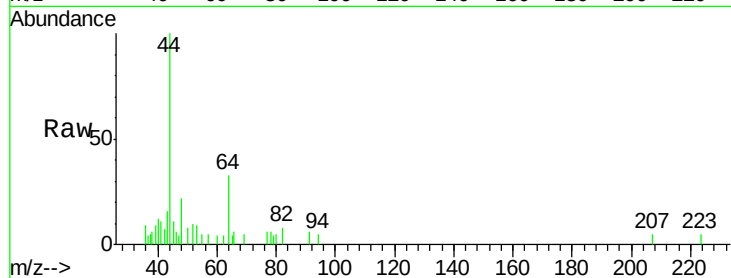
Tot Ion: 53 Resp: 70

Ion Ratio Lower Upper

53 100

52 464.3 66.7 100.1#

51 0.0 29.9 44.9#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002478.D

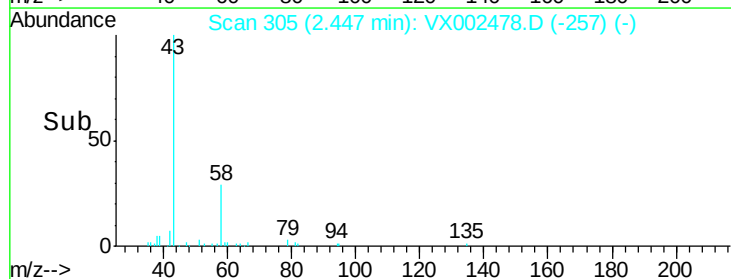
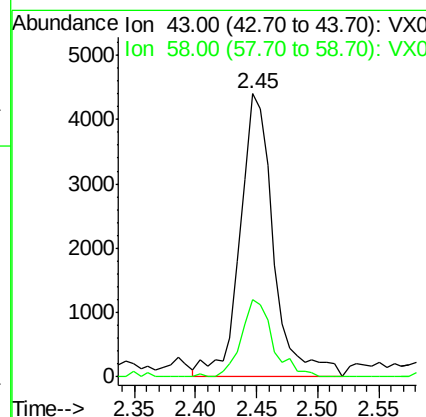
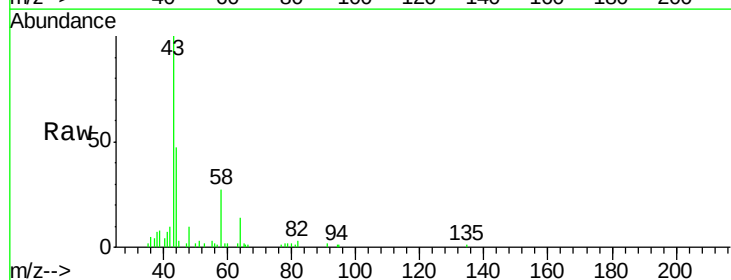
Acq: 12 Jun 2018 20:25

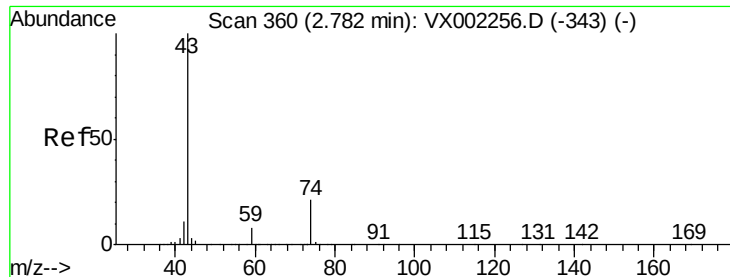
Tgt Ion: 43 Resp: 8319

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1

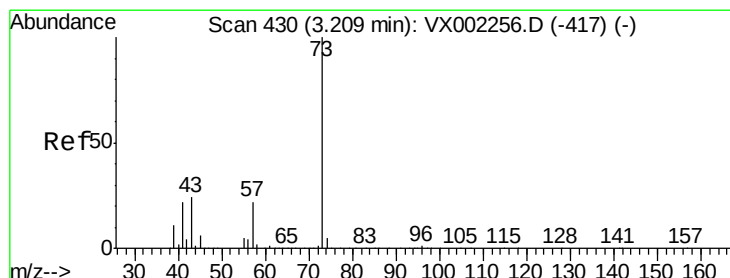
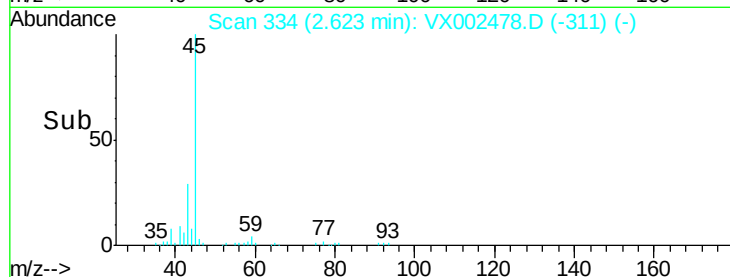
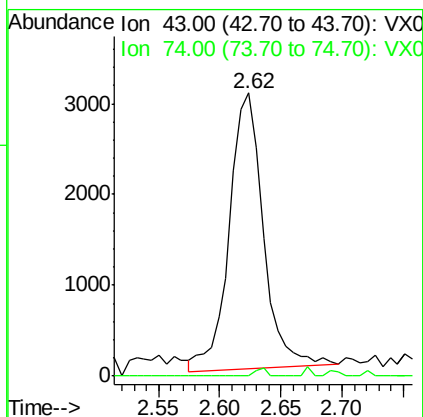
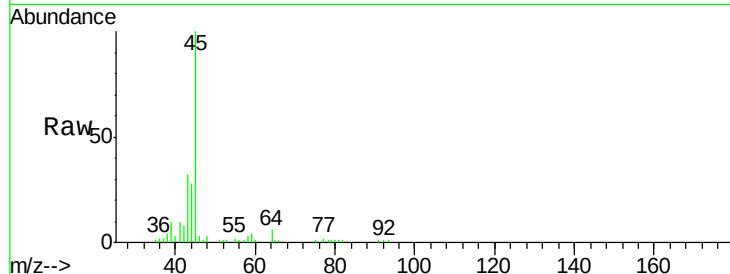




#18
Methyl Acetate
Concen: Below Cal
RT: 2.62 min Scan# 334
Delta R.T. -0.16 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

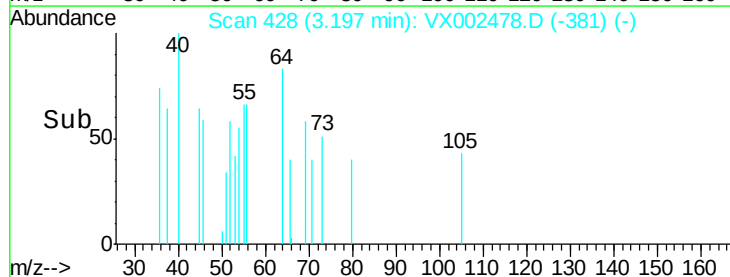
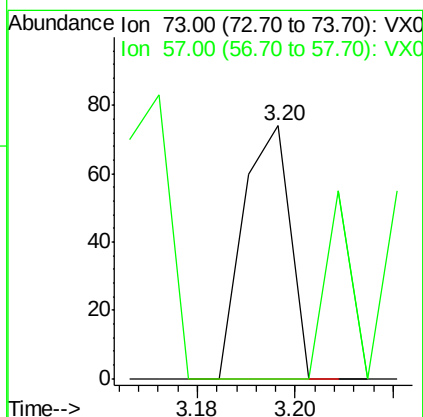
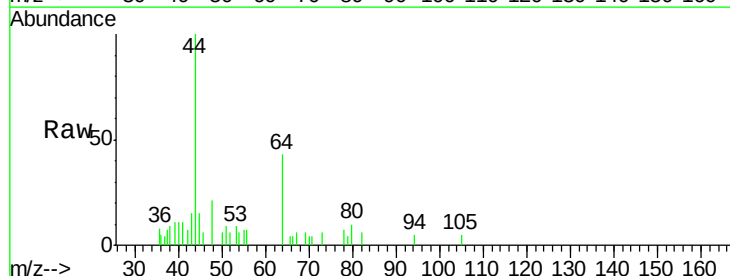
Instrument :
MSVOA_X
ClientSampleId :

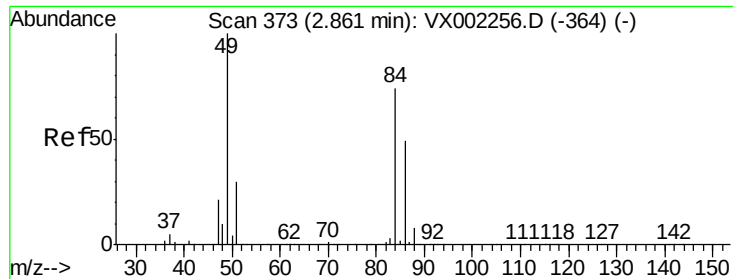
Tot Ion: 43 Resp: 5898
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Tgt Ion: 73 Resp: 49
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#

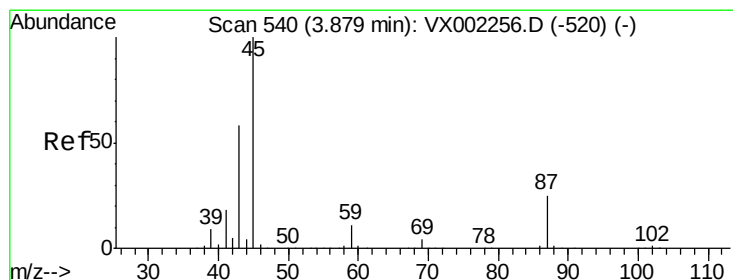
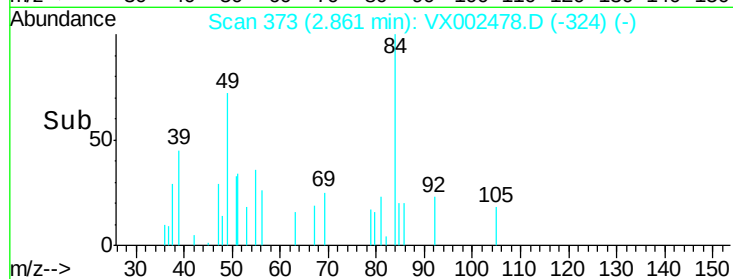
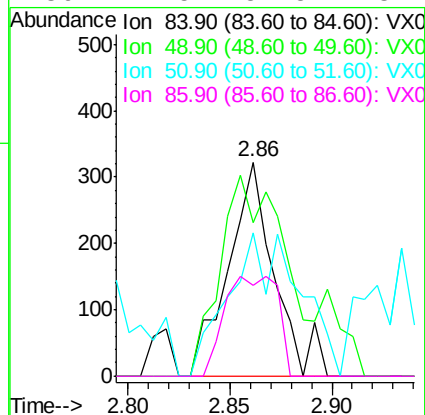
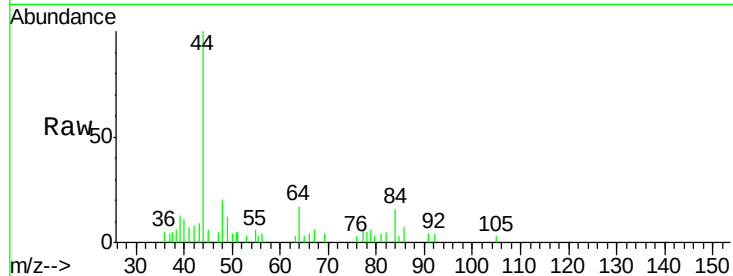




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

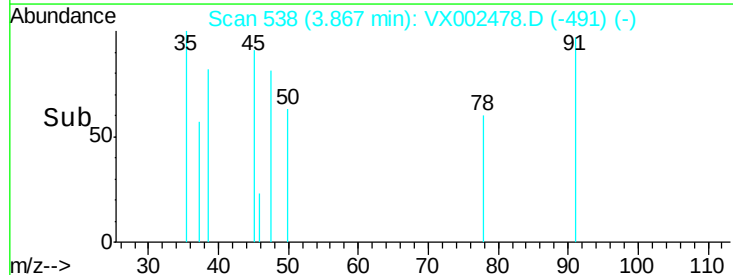
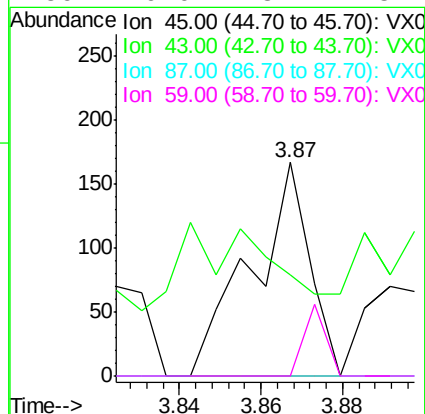
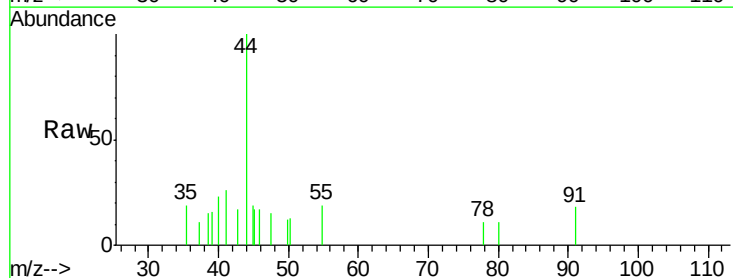
Instrument :
MSVOA_X
ClientSampled :

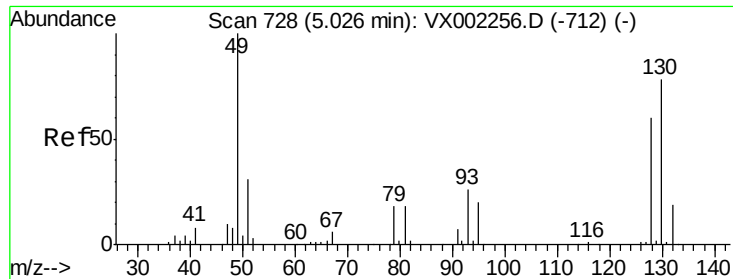
Tot Ion:	84	Resp:	504
Ion	Ratio	Lower	Upper
84	100		
49	71.7	107.8	161.6#
51	67.1	32.8	49.2#
86	42.5	52.5	78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Tgt Ion:	45	Resp:	166
Ion	Ratio	Lower	Upper
45	100		
43	9.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.07 min Scan# 735

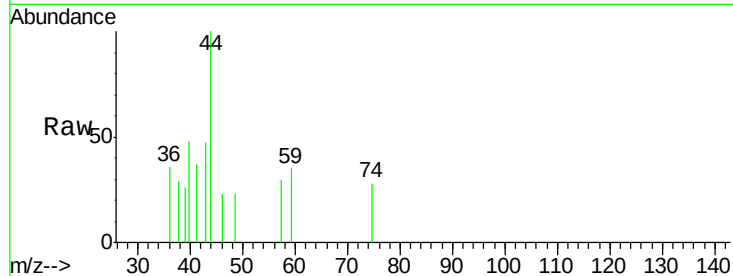
Delta R.T. 0.04 min

Lab File: VX002478.D

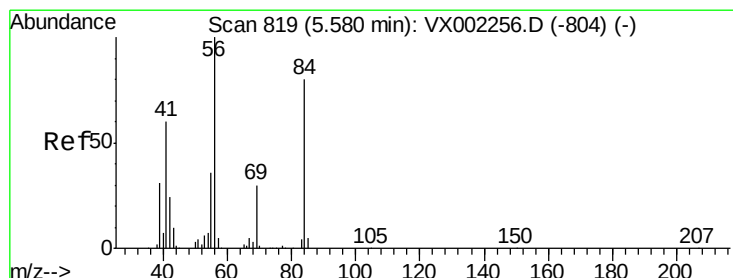
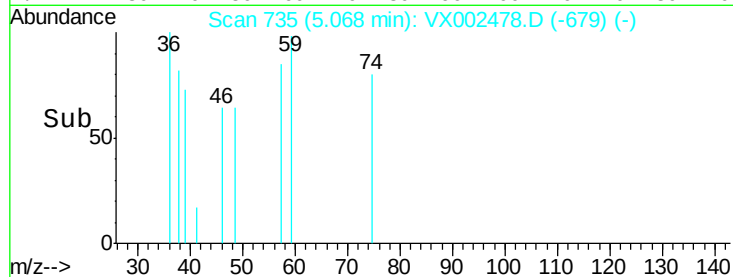
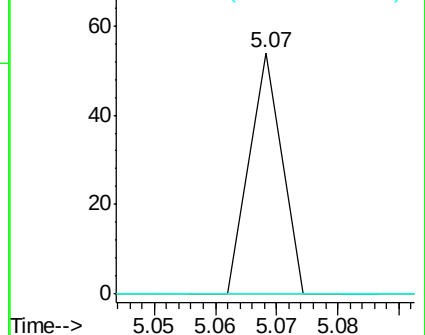
Acq: 12 Jun 2018 20:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 20
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: 1.23 ug/l

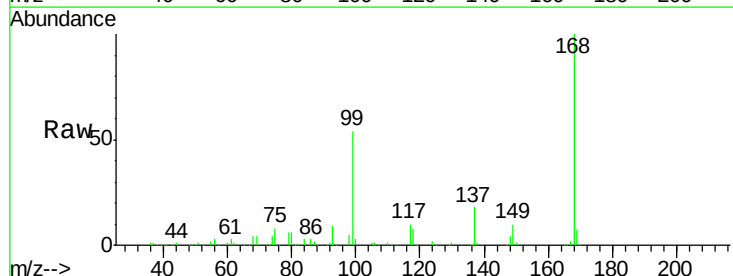
RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

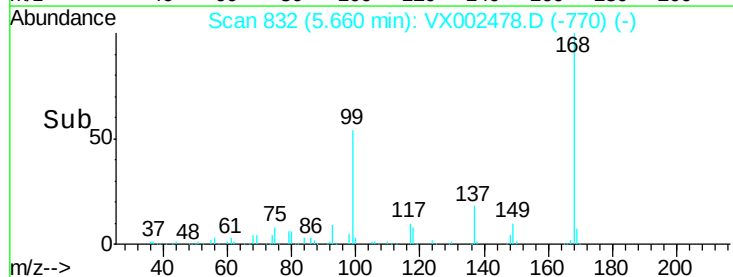
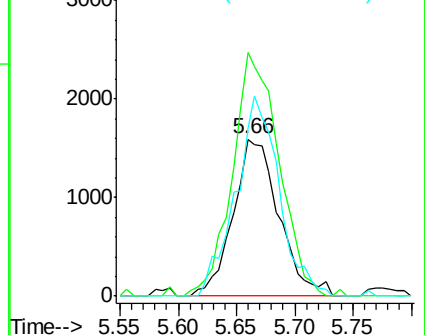
Lab File: VX002478.D

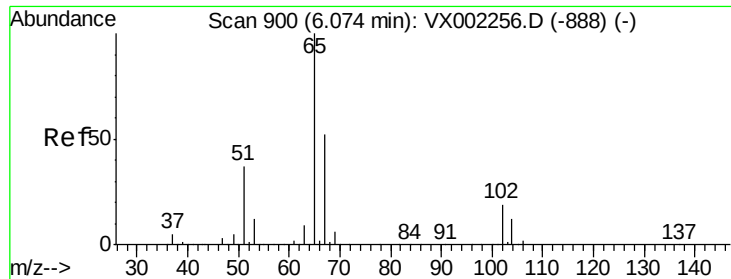
Acq: 12 Jun 2018 20:25

Tgt Ion: 56 Resp: 4358
Ion Ratio Lower Upper
56 100
69 151.6 23.7 35.5#
84 106.9 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

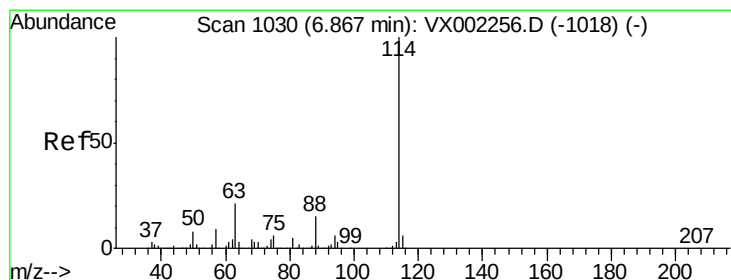
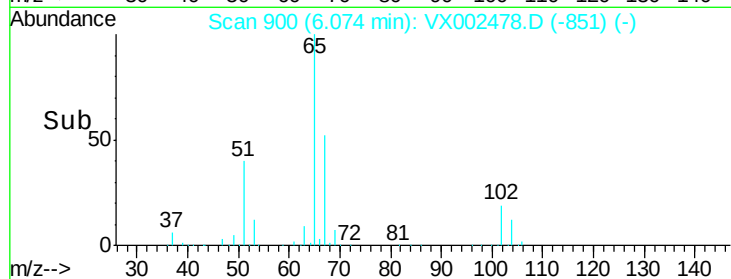
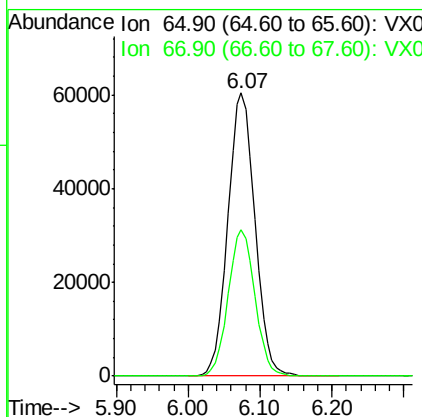
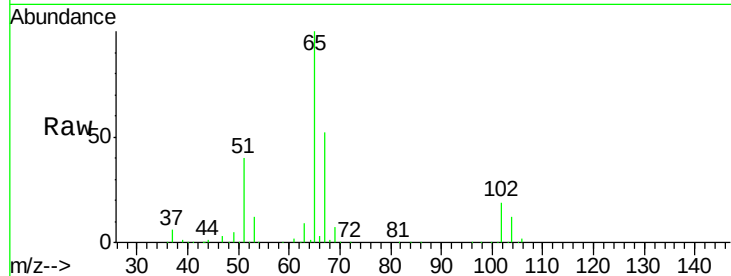




#33
 1,2-Dichloroethane-d4
 Concen: 56.68 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002478.D
 Acq: 12 Jun 2018 20:25

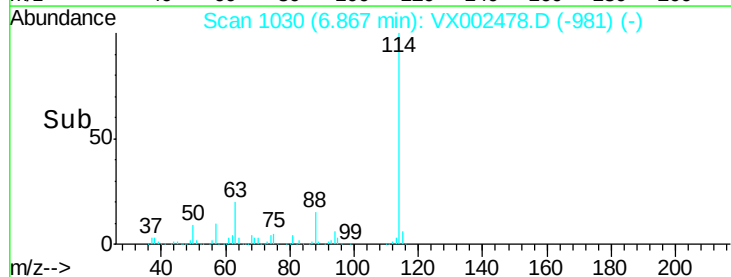
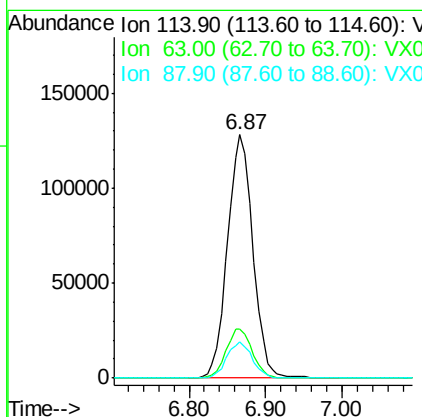
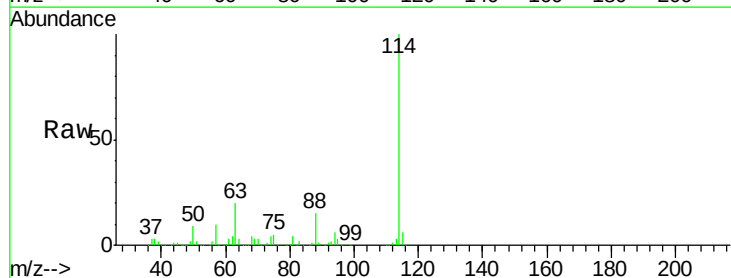
Instrument :
 MSVOA_X
 ClientSampleId :

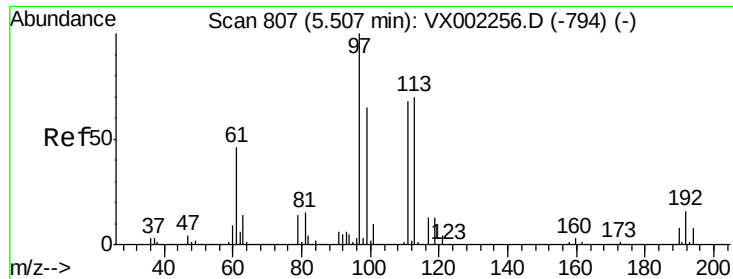
Tot Ion: 65 Resp: 158309
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002478.D
 Acq: 12 Jun 2018 20:25

Tgt Ion: 114 Resp: 294104
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 14.7 0.0 30.0

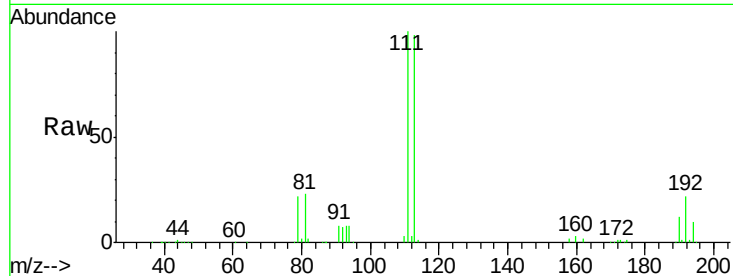




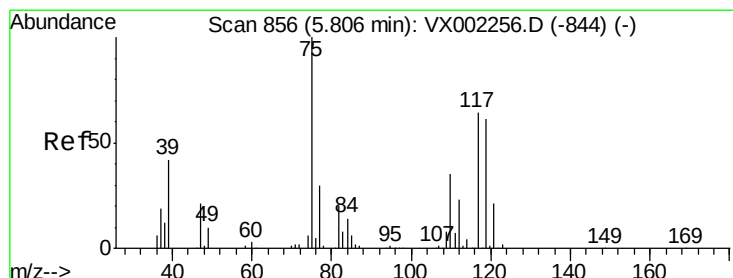
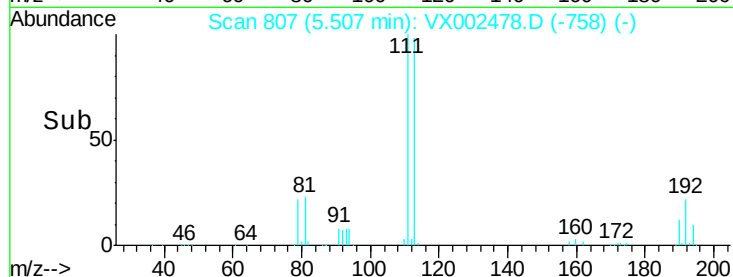
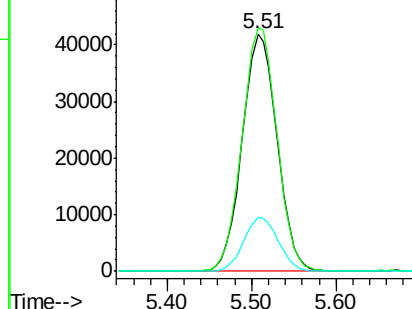
#35
Dibromofluoromethane
Concen: 50.80 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:113 Resp: 117498
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 22.6 19.1 28.7

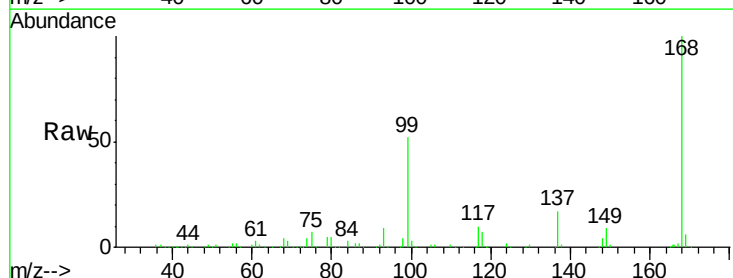


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

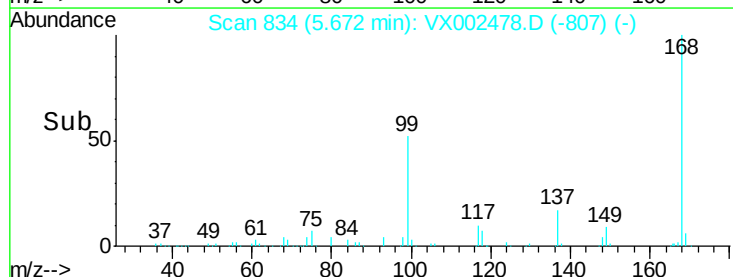
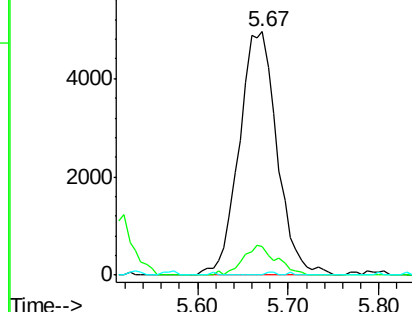


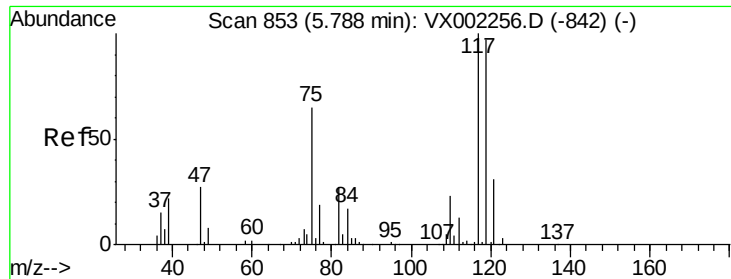
#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Tgt Ion: 75 Resp: 14321
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.4#
77 0.3 24.3 36.5#



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

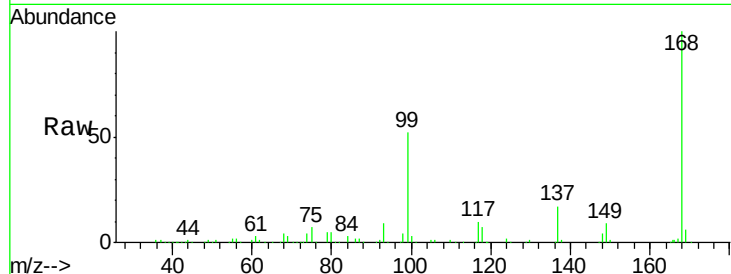




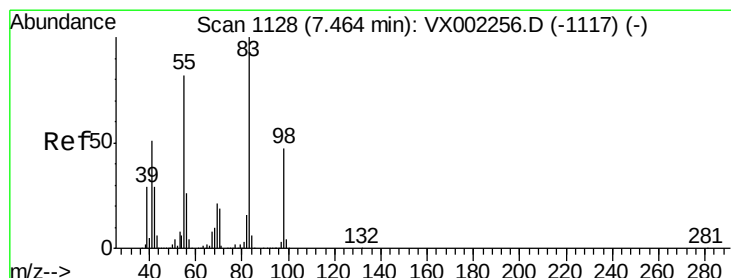
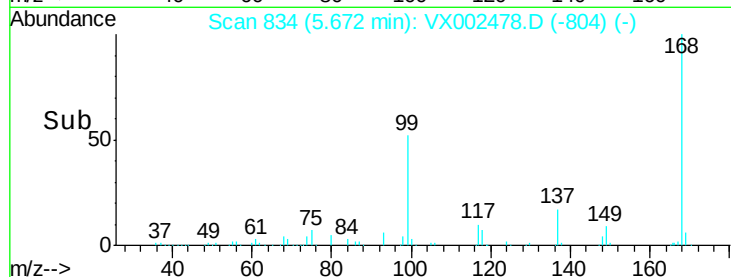
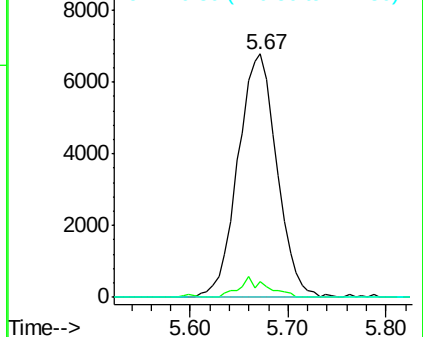
#38
Carbon Tetrachloride
Concen: 5.80 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18766
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 24.4 36.6#

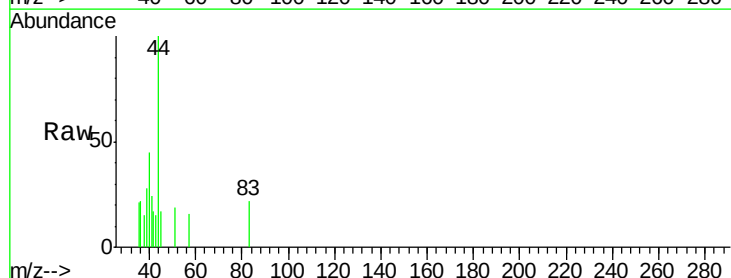


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

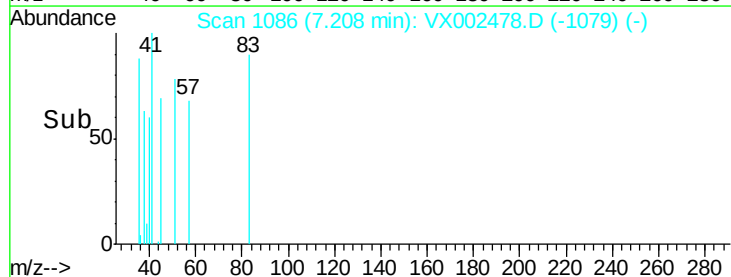
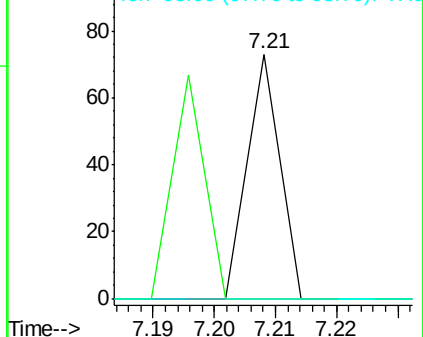


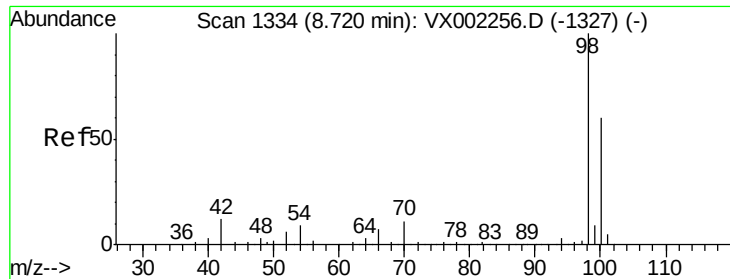
#39
Methylcyclohexane
Concen: 0.27 ug/l
RT: 7.21 min Scan# 1086
Delta R.T. -0.26 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Tgt Ion: 83 Resp: 27
Ion Ratio Lower Upper
83 100
55 0.0 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

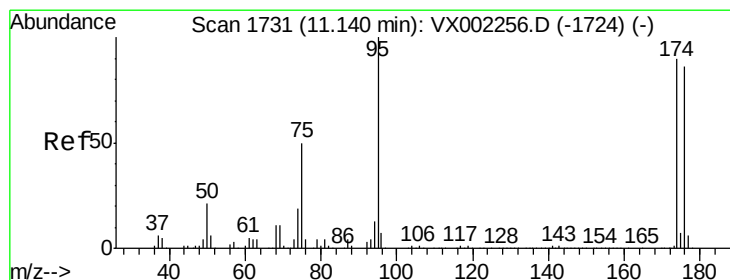
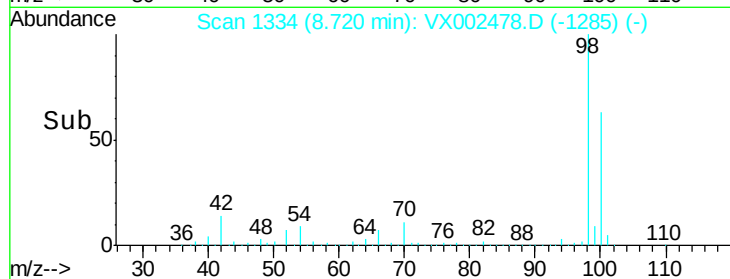
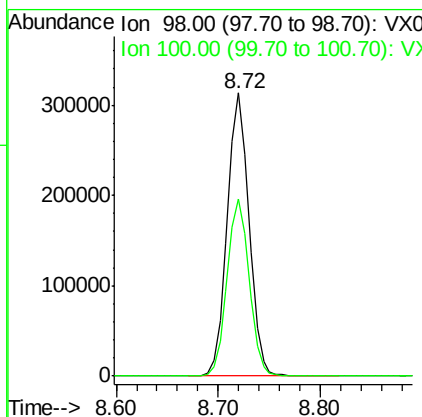
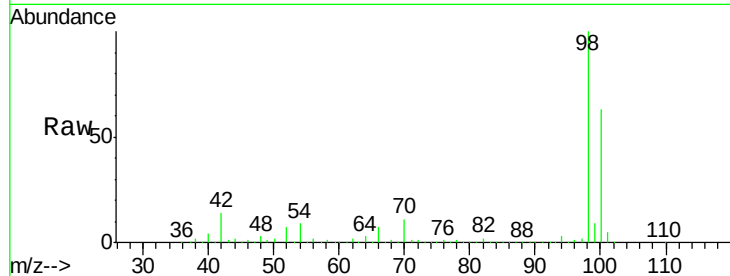




#50
Toluene-d8
Concen: 52.31 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

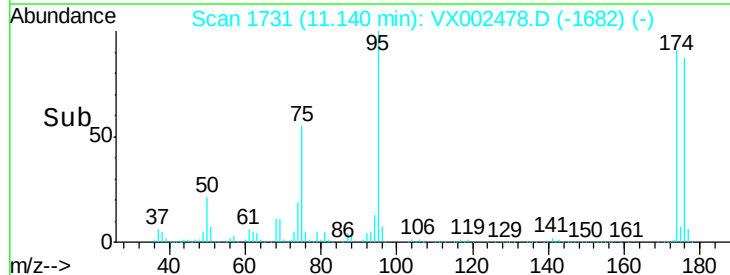
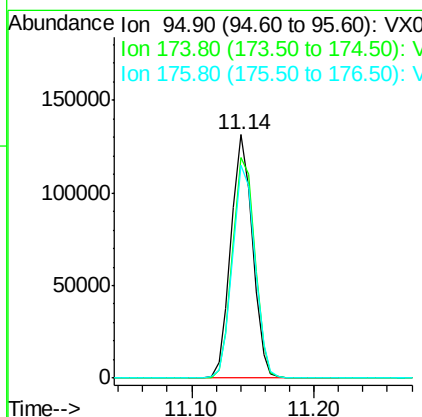
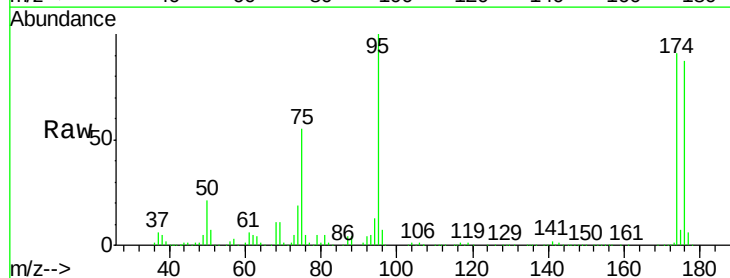
Instrument :
MSVOA_X
ClientSampleId :

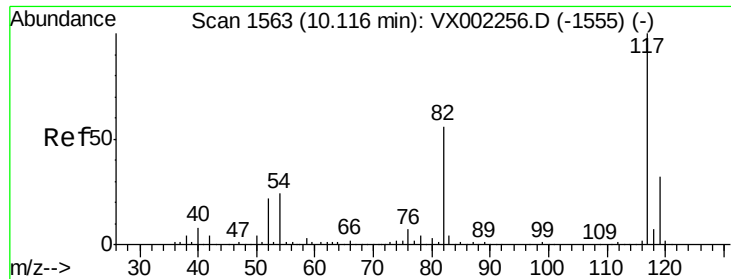
Tot Ion: 98 Resp: 463769
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.78 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Tgt Ion: 95 Resp: 159928
Ion Ratio Lower Upper
95 100
174 94.5 0.0 187.4
176 90.8 0.0 181.0

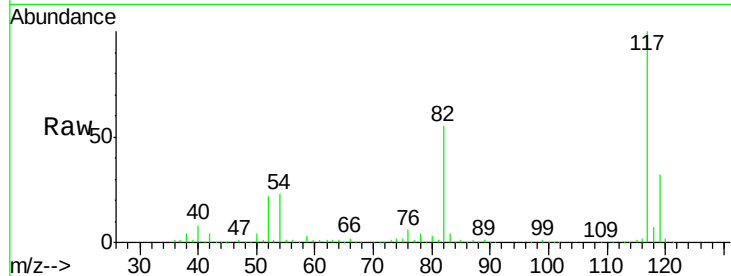




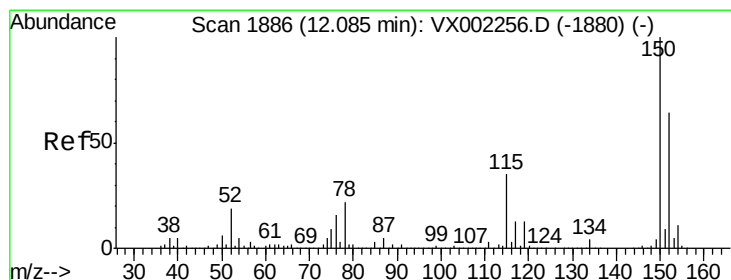
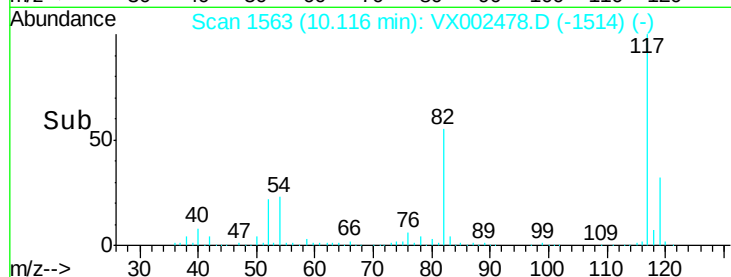
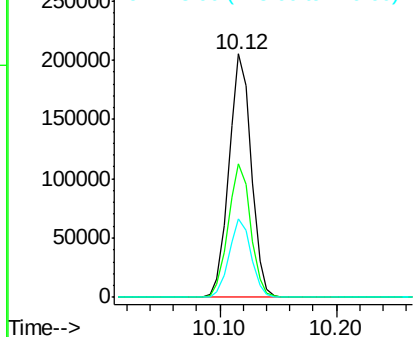
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 273104
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 32.4 25.8 38.6

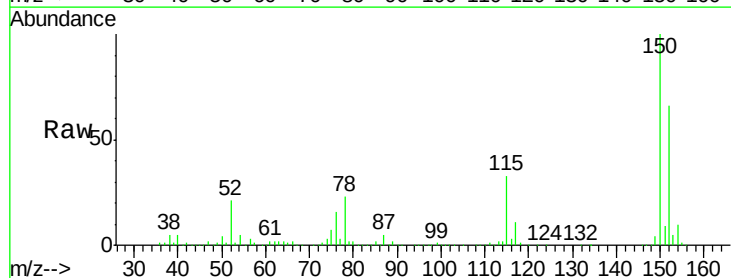


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

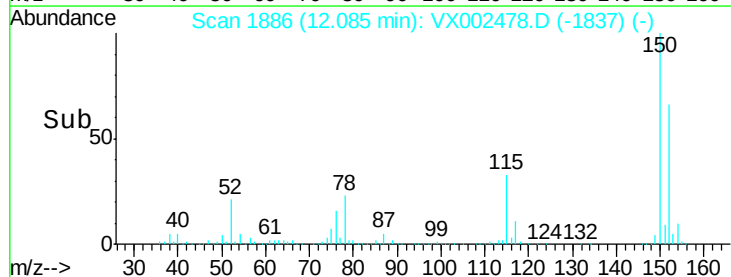
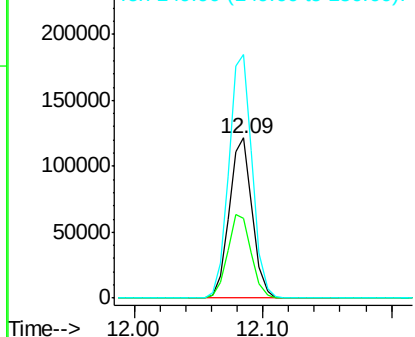


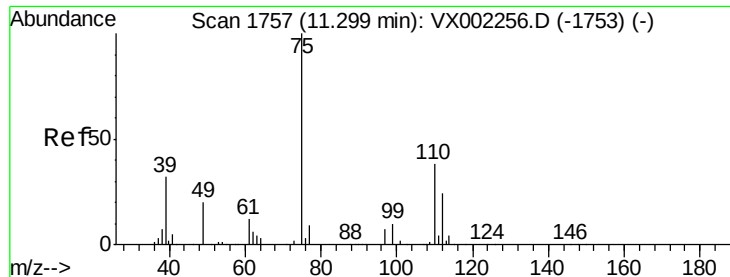
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002478.D
Acq: 12 Jun 2018 20:25

Tgt Ion:152 Resp: 151406
Ion Ratio Lower Upper
152 100
115 53.9 40.1 120.2
150 155.0 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

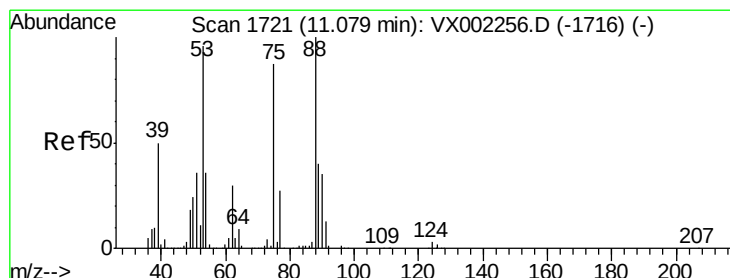
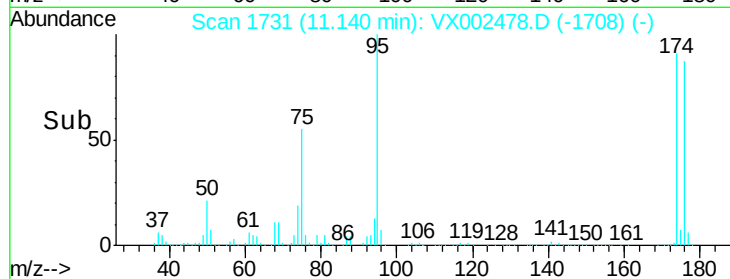
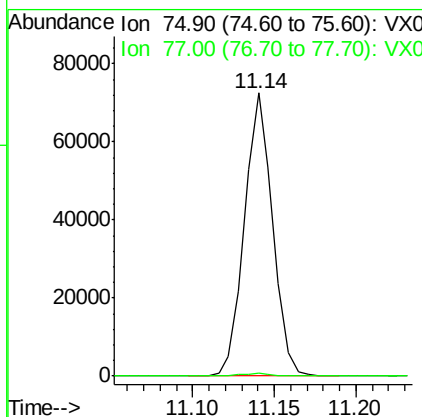
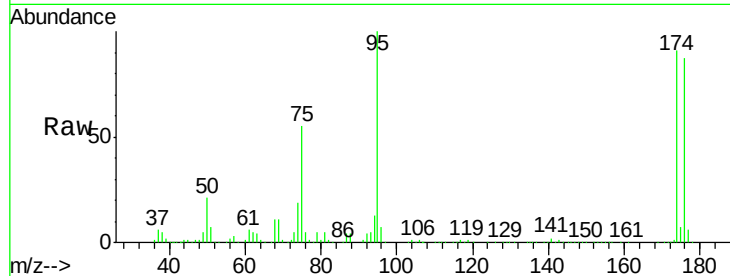




#76
 1,2,3-Trichloropropane
 Concen: 26.29 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002478.D
 Acq: 12 Jun 2018 20:25

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 87333
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.15 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002478.D
 Acq: 12 Jun 2018 20:25

Tgt Ion: 75 Resp: 87333
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

