

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061318\
 Data File : VX002539.D
 Acq On : 14 Jun 2018 05:48
 Operator : JC/MD
 Sample : J3374-02
 Misc : 6.48g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 06:40:05 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	5.66	168	268102	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	383213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	356268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208615	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	174731	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
35) Dibromofluoromethane	5.51	113	127950	42.46	ug/l	0.00
Spiked Amount			Recovery	=	84.92%	
50) Toluene-d8	8.72	98	546870	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	11.14	95	201037	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

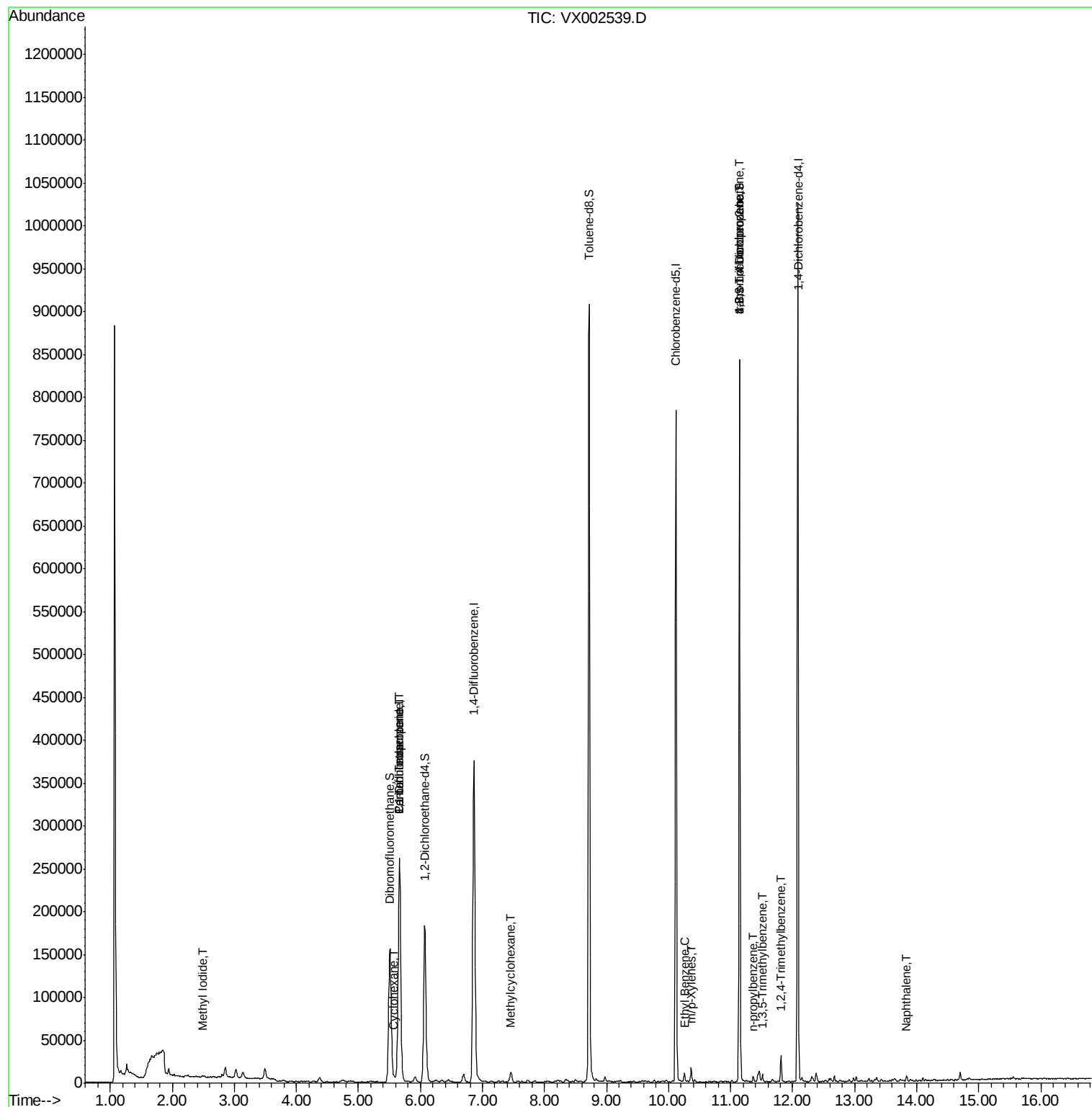
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	259	Below Cal	#	70
5) Bromomethane	1.64	94	1770	Below Cal		96
8) Diethyl Ether	2.06	74	84	Below Cal		76
10) Methyl Iodide	2.50	142	1288	0.32	ug/l	# 83
11) Tert butyl alcohol	3.02	59	6918	Below Cal	#	81
13) Acrolein	2.31	56	157	Below Cal	#	1
15) Acrylonitrile	3.14	53	324	Below Cal	#	67
16) Acetone	2.43	43	70	Below Cal	#	47
18) Methyl Acetate	2.81	43	2764	Below Cal		97
19) Methyl tert-butyl Ether	3.23	73	24	Below Cal	#	1
20) Methylene Chloride	2.84	84	921	Below Cal		87
22) Diisopropyl ether	3.87	45	140	Below Cal	#	44
28) Bromochloromethane	5.01	49	22	Below Cal	#	13
31) Cyclohexane	5.57	56	2642	0.55	ug/l	# 82
36) 1,1-Dichloropropene	5.66	75	18255	4.53	ug/l	# 50
38) Carbon Tetrachloride	5.65	117	24403	5.79	ug/l	# 15
39) Methylcyclohexane	7.45	83	4816	1.23	ug/l	# 91
67) Ethyl Benzene	10.26	91	5745	0.39	ug/l	95
68) m/p-Xylenes	10.37	106	4229	0.73	ug/l	84
76) 1,2,3-Trichloropropane	11.14	75	106811	23.33	ug/l	# 32
78) n-propylbenzene	11.37	91	4241	0.26	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	3568	0.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	106811	81.79	ug/l	# 6
84) 1,2,4-Trimethylbenzene	11.81	105	12934	1.01	ug/l	98
95) Naphthalene	13.84	128	4035	0.27	ug/l	99

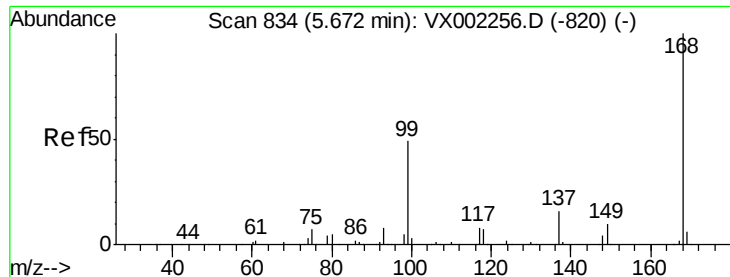
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061318\
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Acq On : 14 Jun 2018 05:48
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 14 06:40:05 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: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

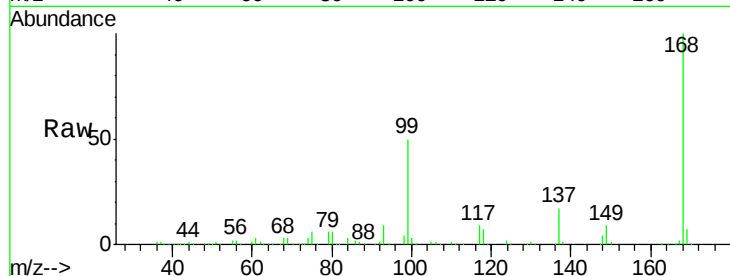
ClientSampleId :

Tot Ion:168 Resp: 268102

Ion Ratio Lower Upper

168 100

99 50.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

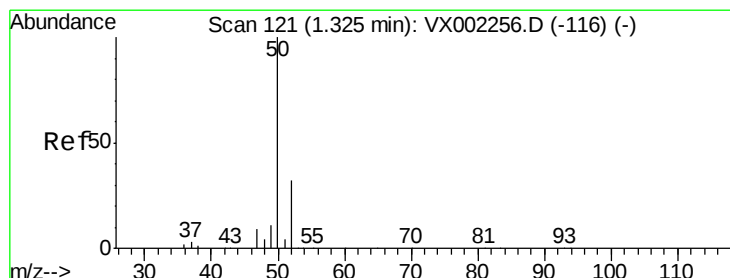
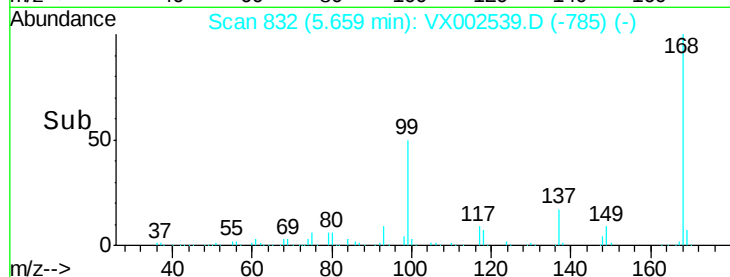
60000

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: VX002539.D

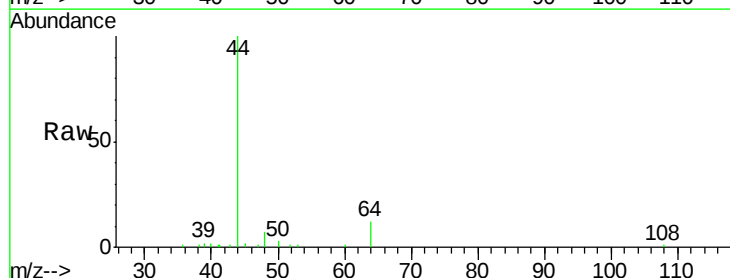
Acq: 14 Jun 2018 05:48

Tgt Ion: 50 Resp: 259

Ion Ratio Lower Upper

50 100

52 48.6 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

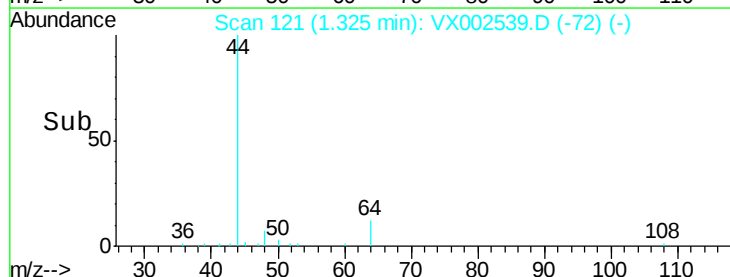
300

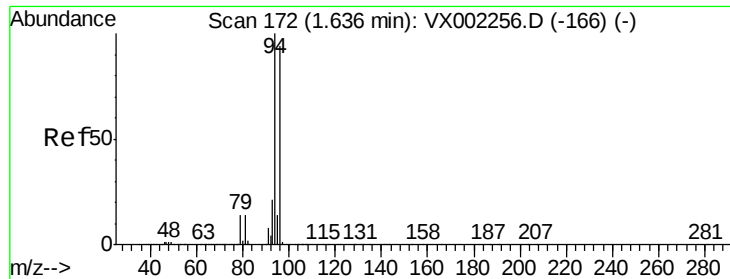
200

100

0

Time--> 1.28 1.30 1.32 1.34





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

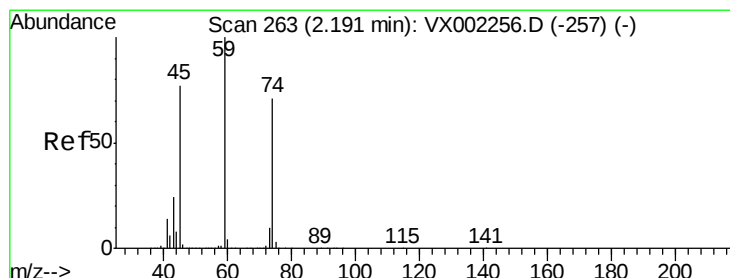
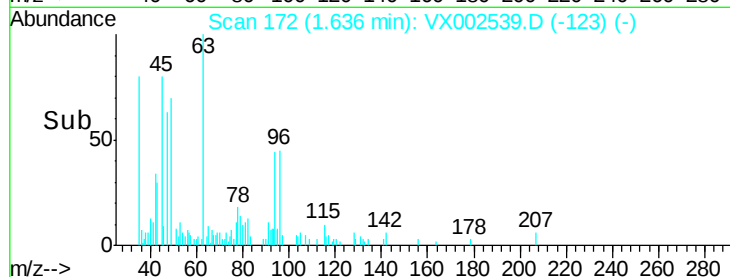
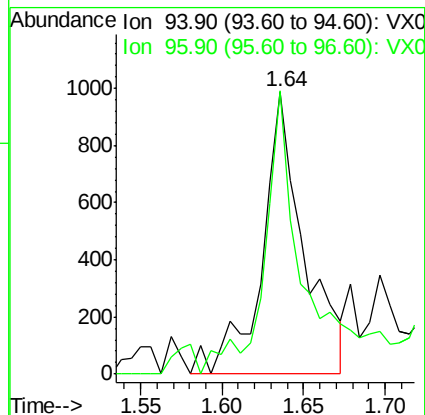
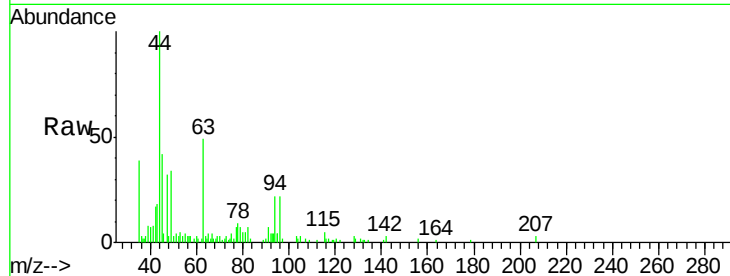
ClientSampled :

Tot Ion: 94 Resp: 1770

Ion Ratio Lower Upper

94 100

96 89.8 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.06 min Scan# 242

Delta R.T. -0.13 min

Lab File: VX002539.D

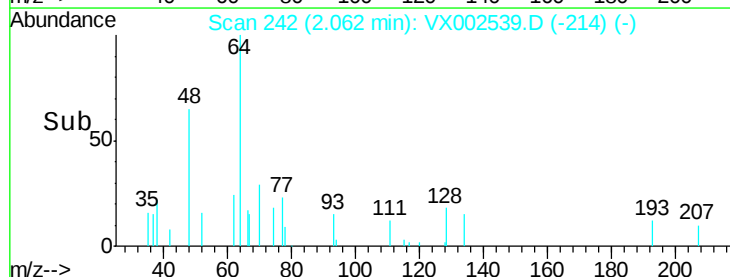
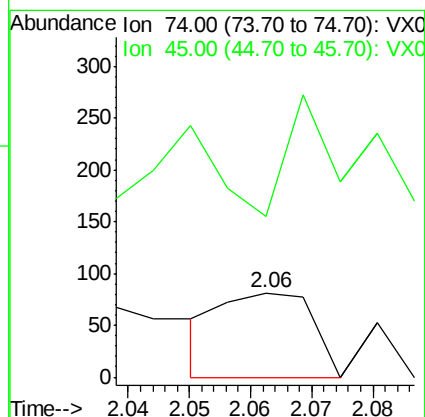
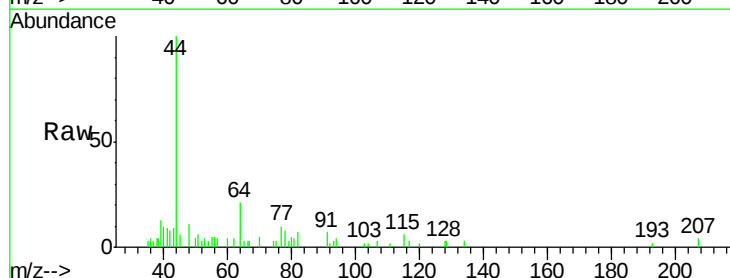
Acq: 14 Jun 2018 05:48

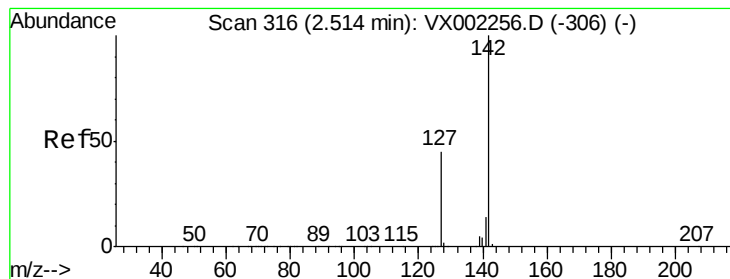
Tgt Ion: 74 Resp: 84

Ion Ratio Lower Upper

74 100

45 131.0 53.1 159.4





#10

Methvl Iodide

Concen: 0.32 ua/l

RT: 2.50 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

ClientSampleId :

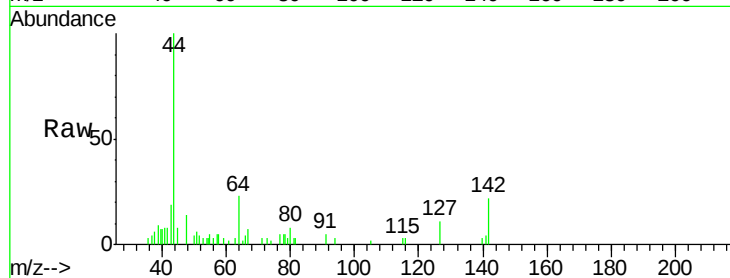
Tot Ion:142 Resp: 1288

Ion Ratio Lower Upper

142 100

127 58.9 36.6 55.0#

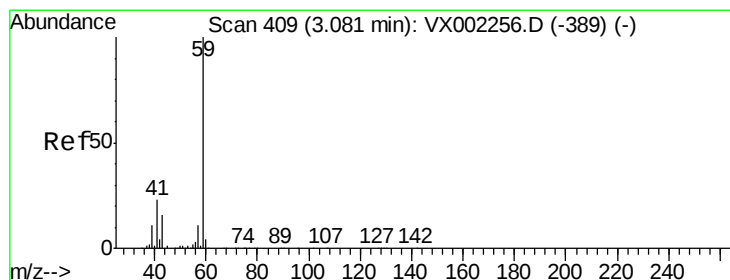
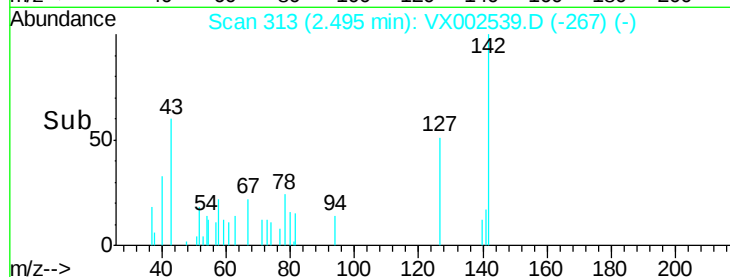
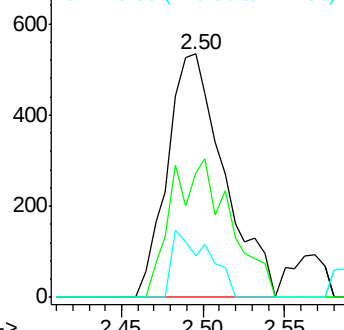
141 17.5 11.3 16.9#



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: 3.02 min Scan# 399

Delta R.T. -0.06 min

Lab File: VX002539.D

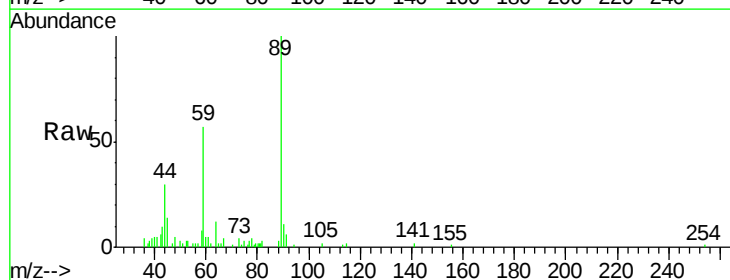
Acq: 14 Jun 2018 05:48

Tgt Ion: 59 Resp: 6918

Ion Ratio Lower Upper

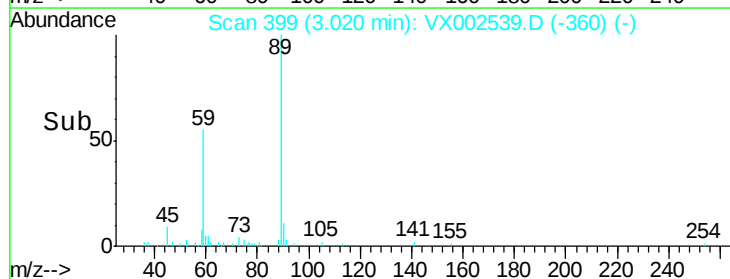
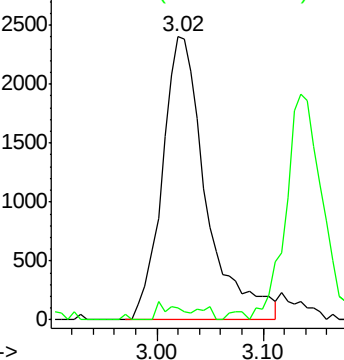
59 100

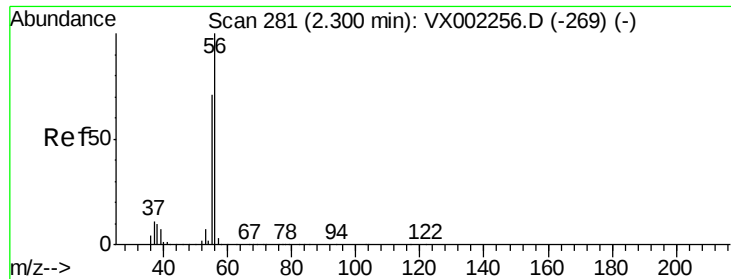
57 3.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

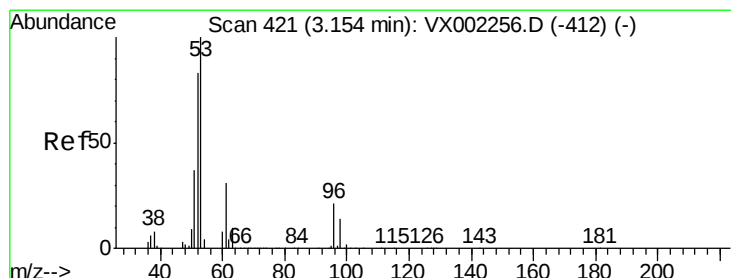
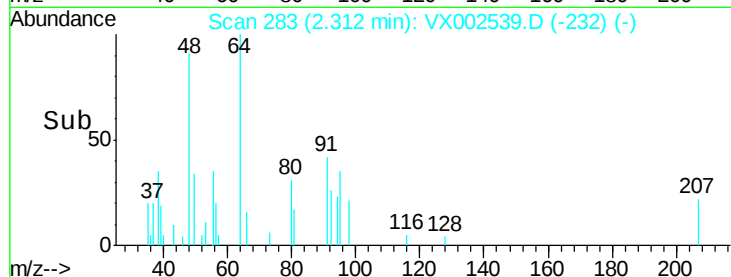
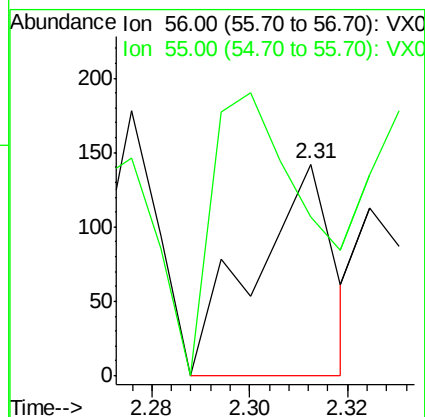
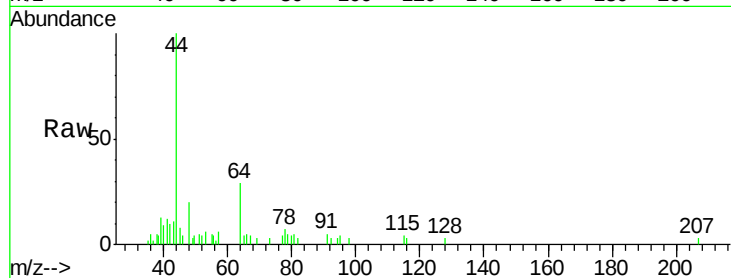
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 163.7 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 418

Delta R.T. -0.02 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

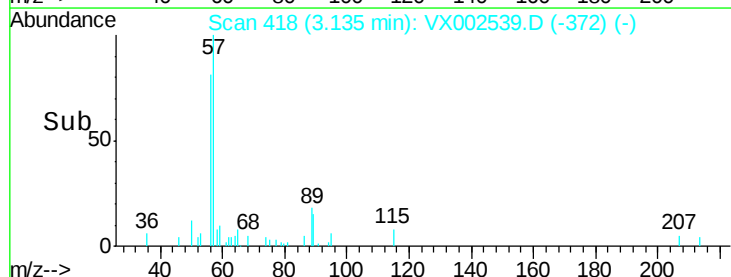
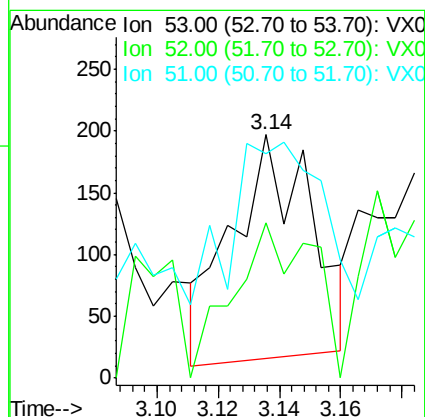
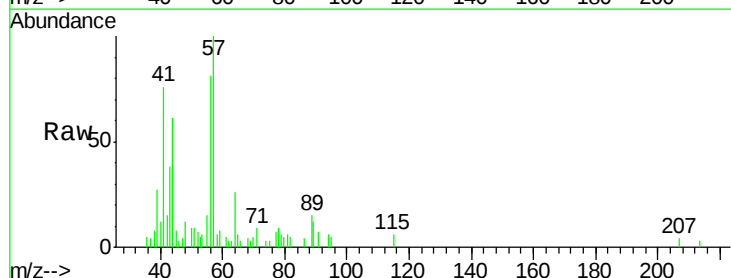
Tgt Ion: 53 Resp: 324

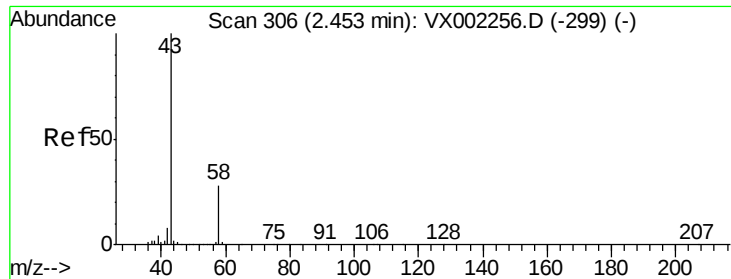
Ion Ratio Lower Upper

53 100

52 70.1 66.7 100.1

51 80.9 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 302

Delta R.T. -0.02 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

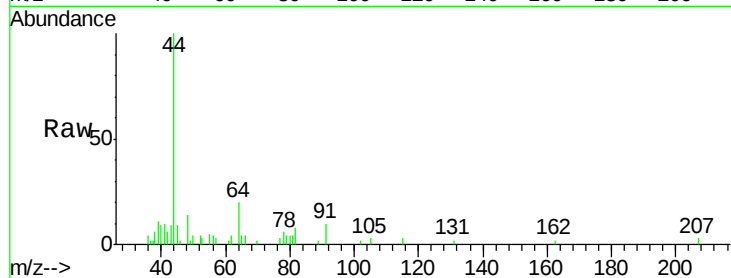
ClientSampled :

Tot Ion: 43 Resp: 70

Ion Ratio Lower Upper

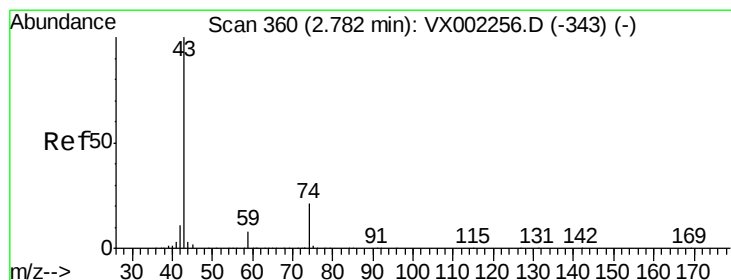
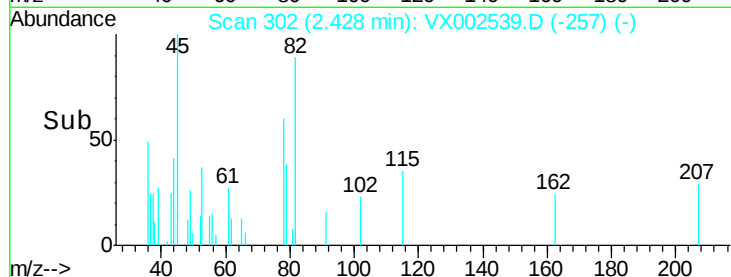
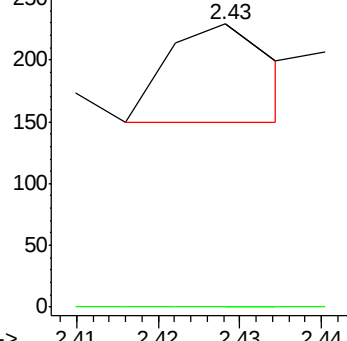
43 100

58 0.0 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: 2.81 min Scan# 365

Delta R.T. 0.03 min

Lab File: VX002539.D

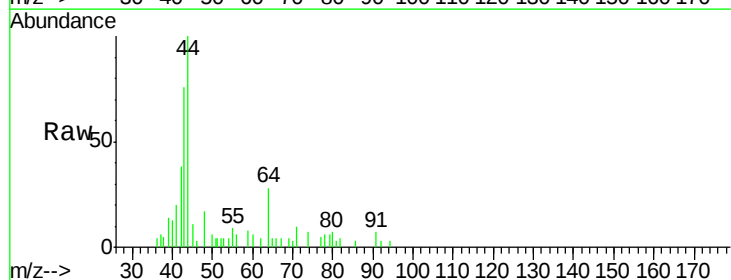
Acq: 14 Jun 2018 05:48

Tgt Ion: 43 Resp: 2764

Ion Ratio Lower Upper

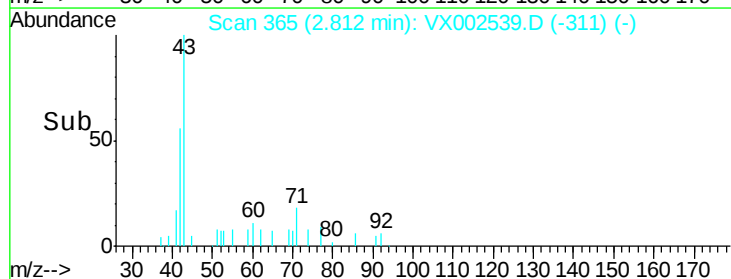
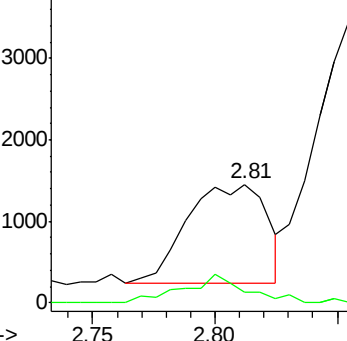
43 100

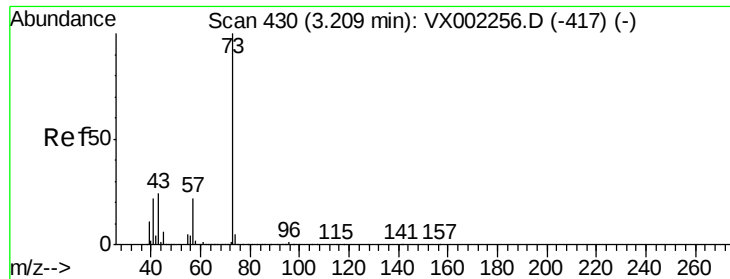
74 22.3 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

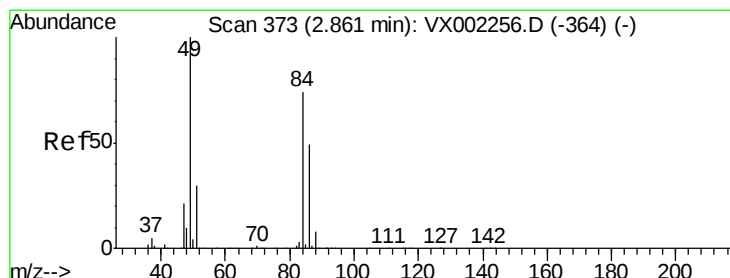
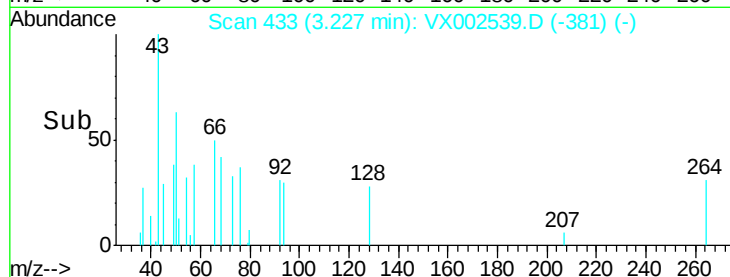
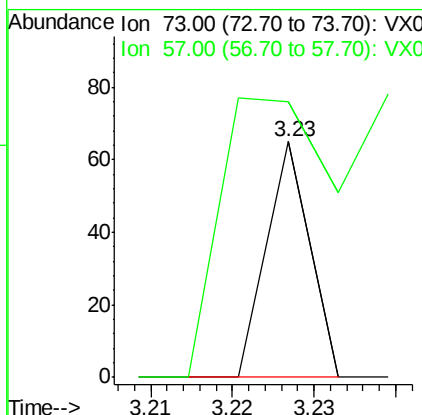
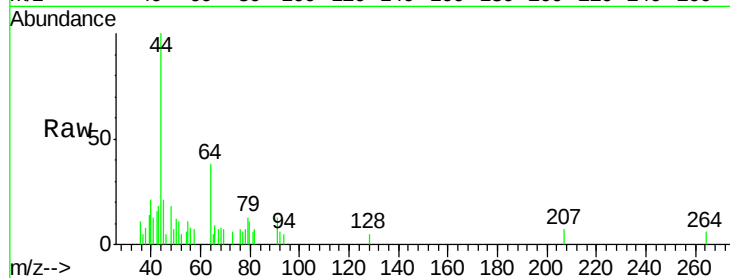




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.23 min Scan# 433
Delta R.T. 0.02 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

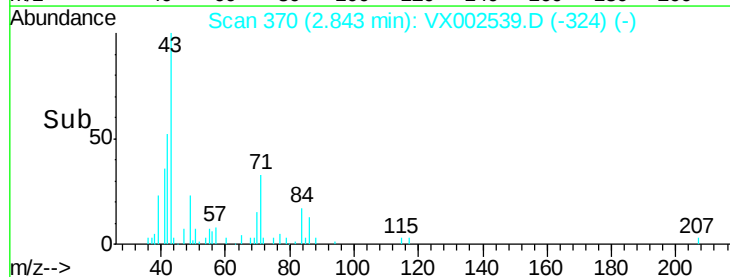
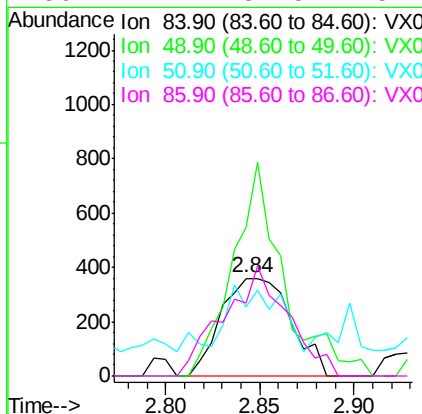
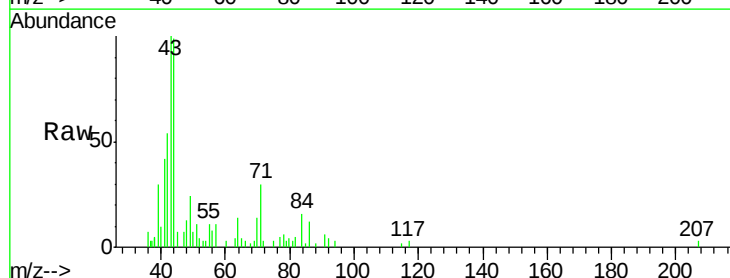
Instrument :
MSVOA_X
ClientSampled :

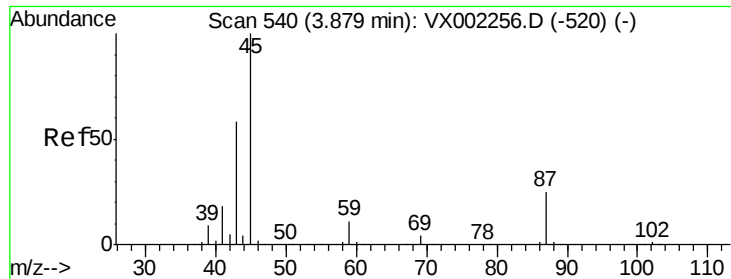
Tot Ion: 73 Resp: 24
Ion Ratio Lower Upper
73 100
57 116.9 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Tgt Ion: 84 Resp: 921
Ion Ratio Lower Upper
84 100
49 152.9 107.8 161.6
51 37.0 32.8 49.2
86 74.7 52.5 78.7



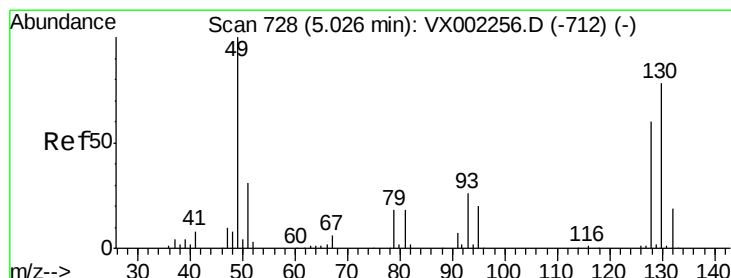
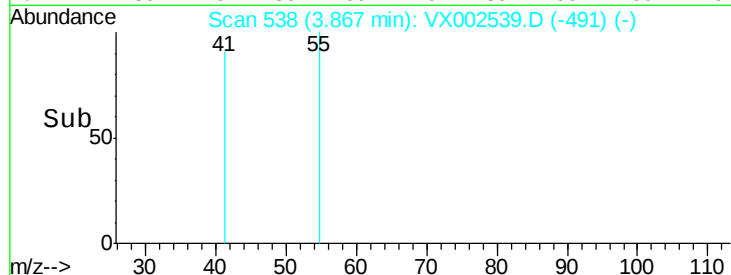
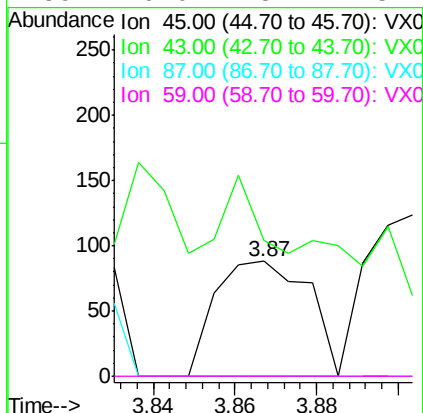
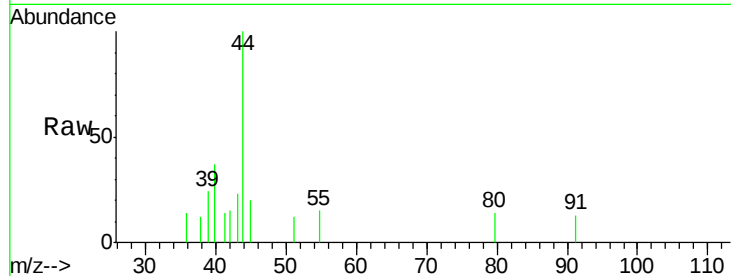


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Instrument :
MSVOA_X
ClientSampled :

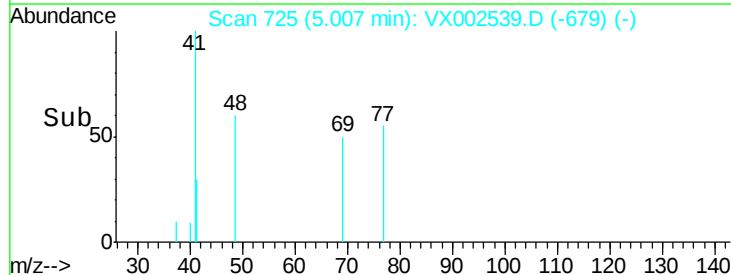
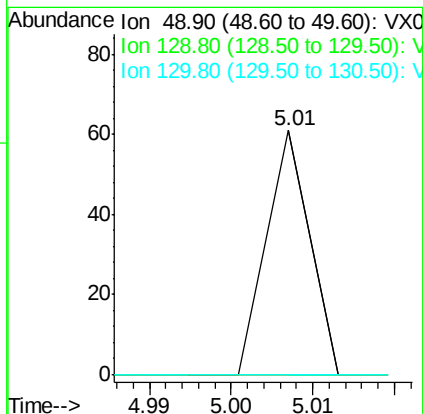
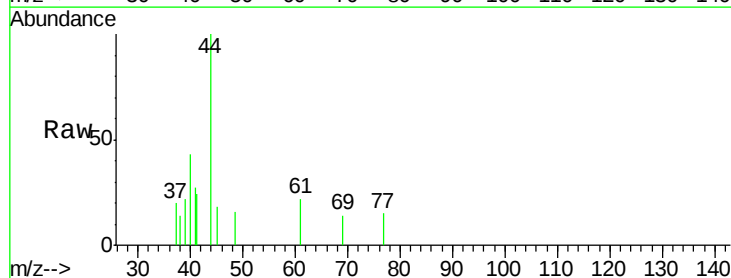
Tot Ion: 45 Resp: 140
Ion Ratio Lower Upper
45 100
43 11.4 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#

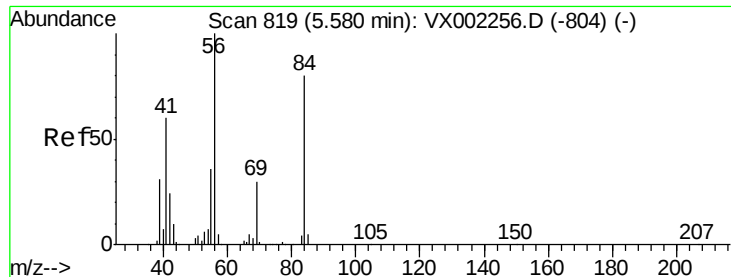


#28

Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 725
Delta R.T. -0.02 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 61.2 91.8#

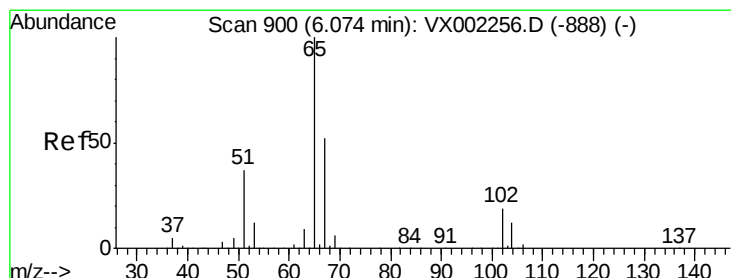
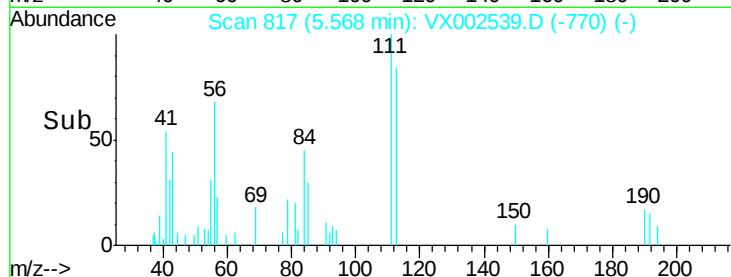
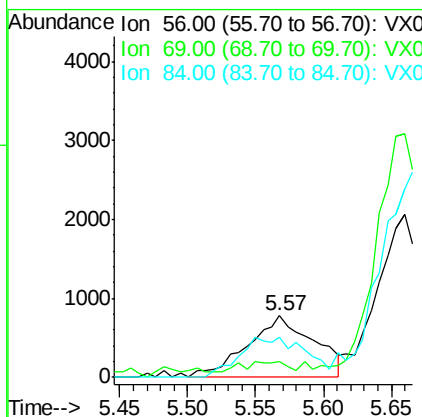
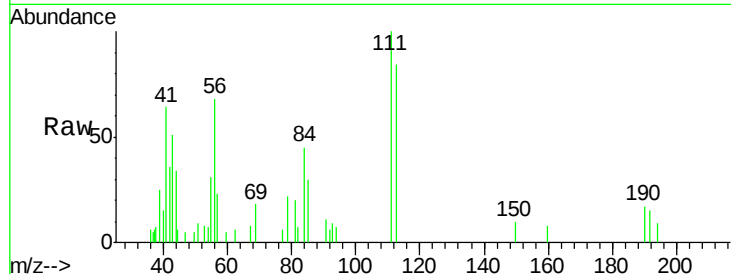




#31
Cyclohexane
Concen: 0.55 ug/l
RT: 5.57 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

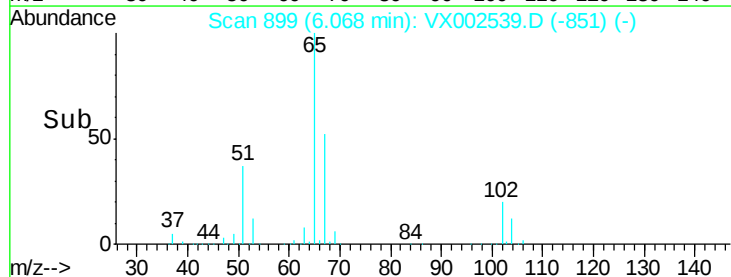
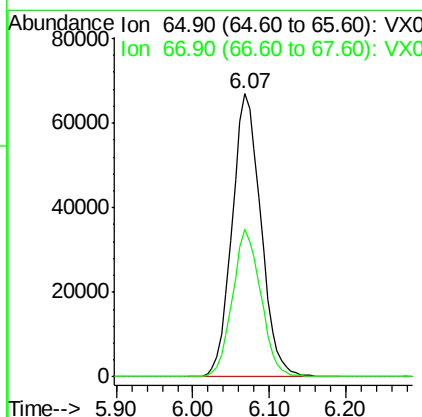
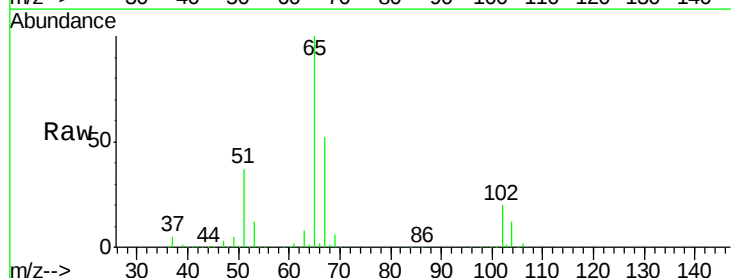
Instrument :
MSVOA_X
ClientSampleId :

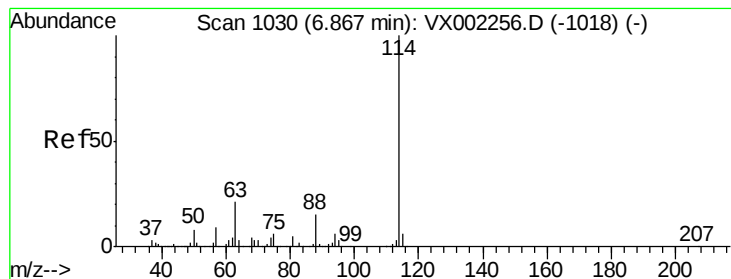
Tot Ion: 56 Resp: 2642
Ion Ratio Lower Upper
56 100
69 16.3 23.7 35.5#
84 66.0 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 45.25 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Tgt Ion: 65 Resp: 174731
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

ClientSampleId :

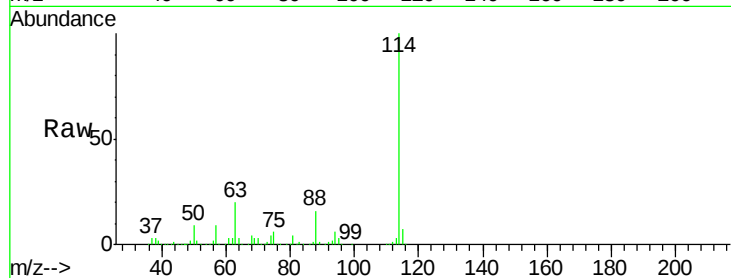
Tot Ion:114 Resp: 383213

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.4

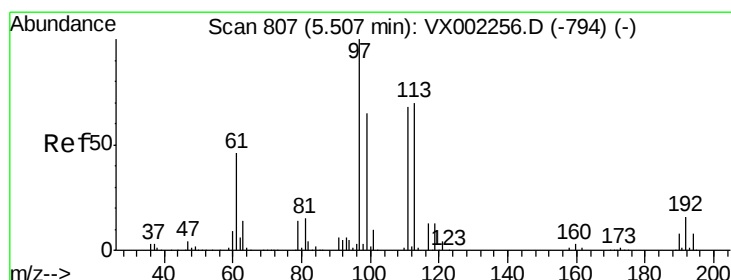
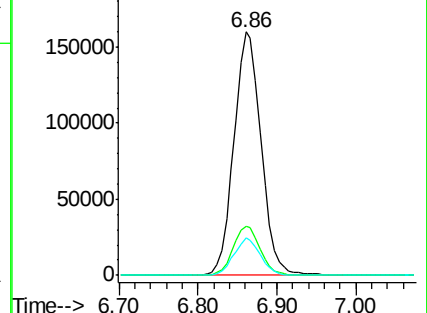
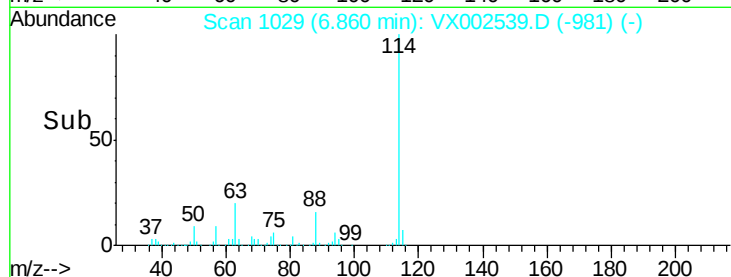
88 15.6 0.0 30.0



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: 42.46 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

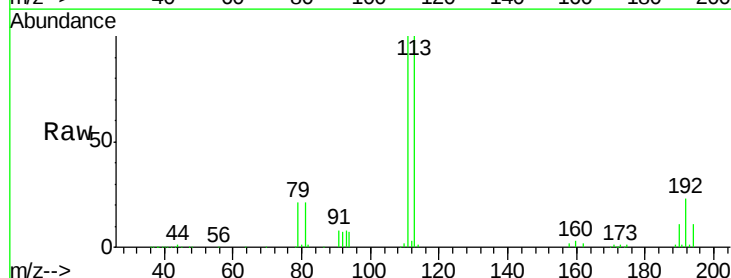
Tgt Ion:113 Resp: 127950

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

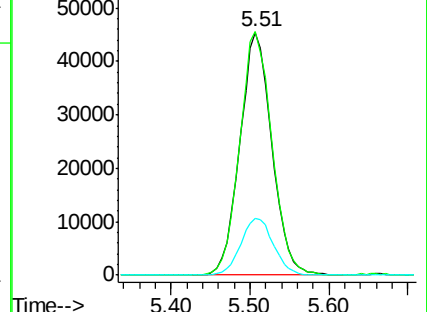
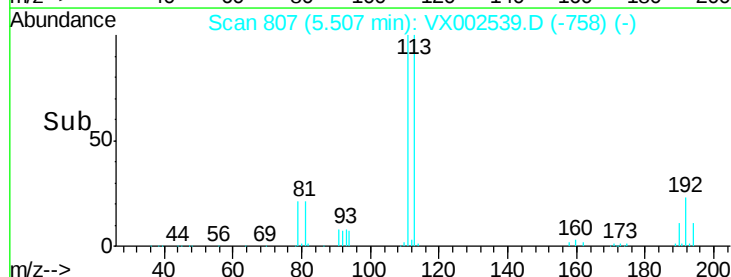
192 24.0 19.1 28.7

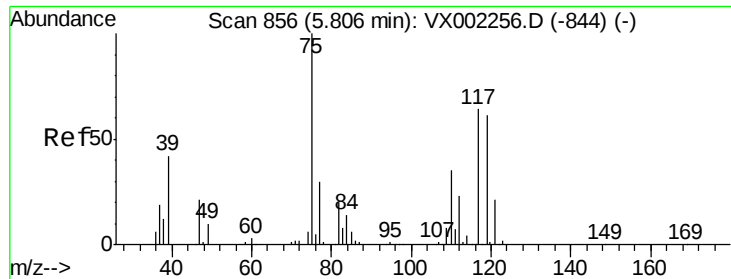


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

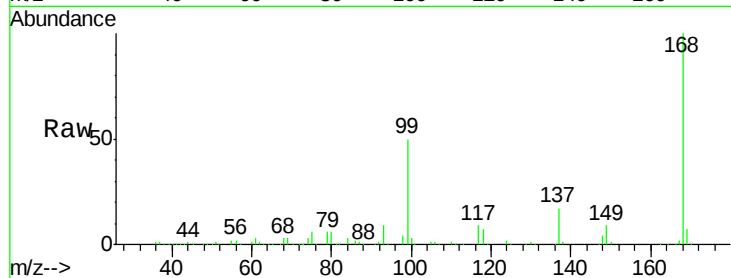




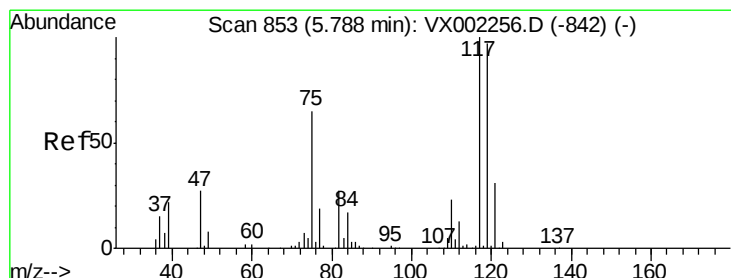
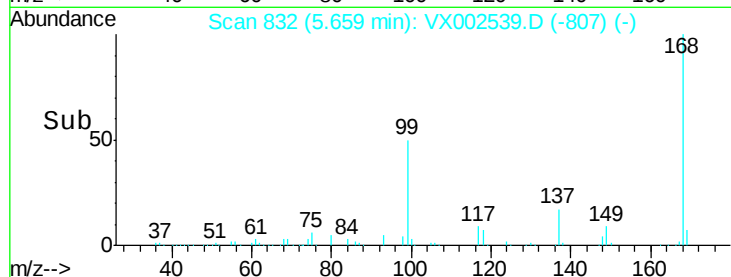
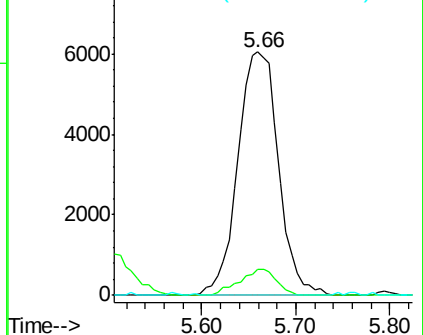
#36
 1,1-Dichloropropene
 Concen: 4.53 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX002539.D
 Acq: 14 Jun 2018 05:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	24.3	36.5#

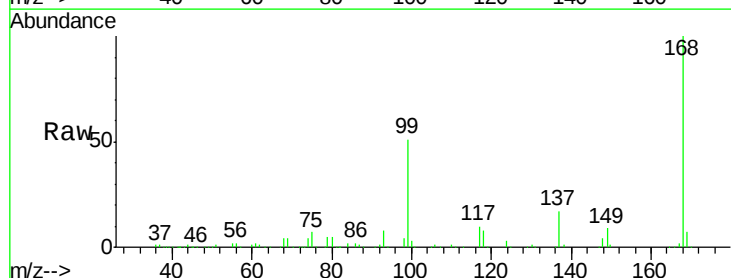


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

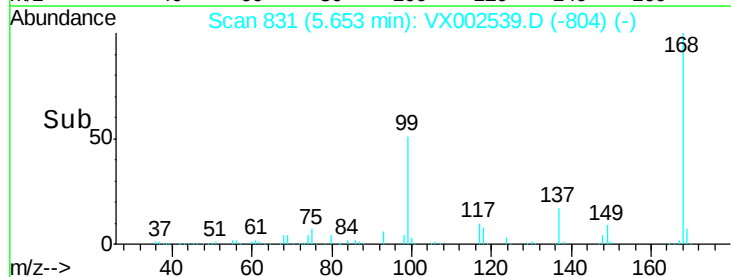
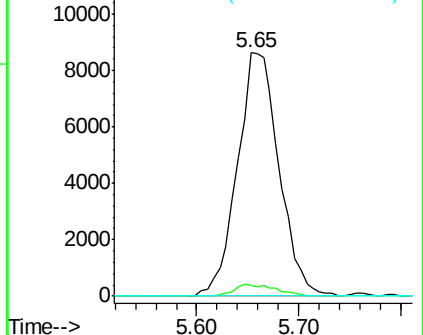


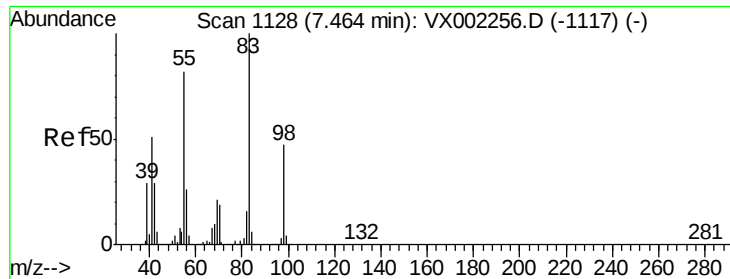
#38
 Carbon Tetrachloride
 Concen: 5.79 ug/l
 RT: 5.65 min Scan# 831
 Delta R.T. -0.13 min
 Lab File: VX002539.D
 Acq: 14 Jun 2018 05:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	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

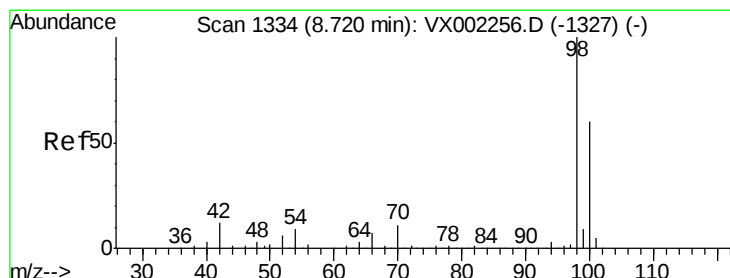
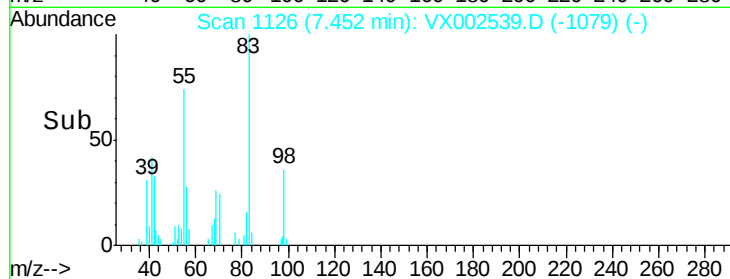
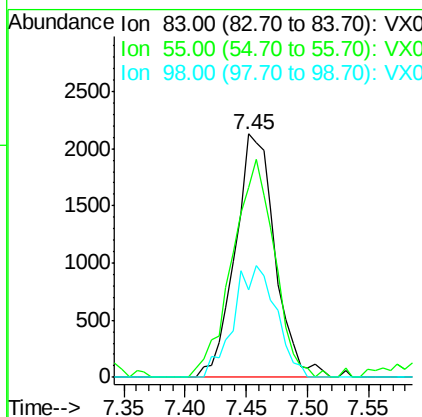
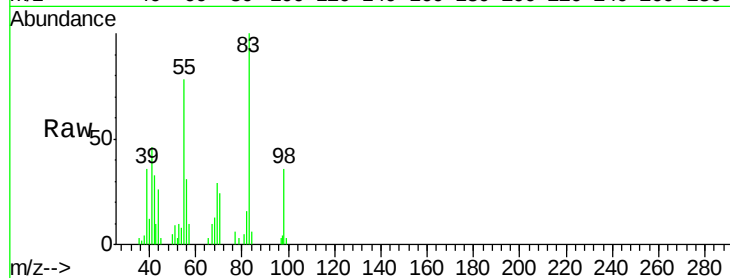




#39
Methvlcvclohexane
Concen: 1.23 ug/l
RT: 7.45 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

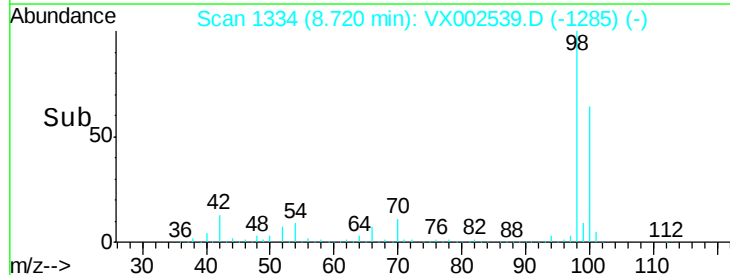
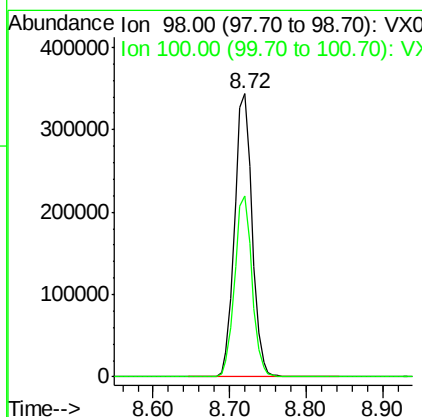
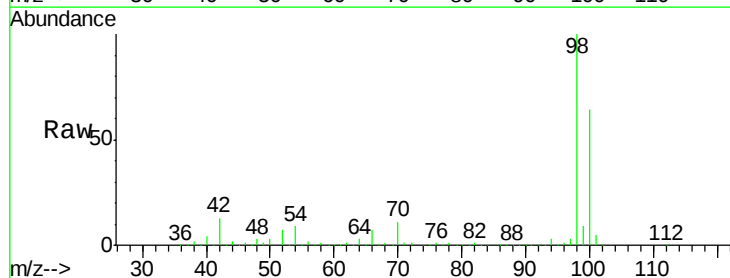
Instrument :
MSVOA_X
ClientSampled :

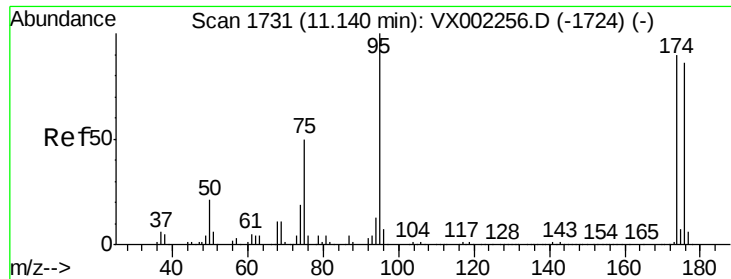
Tot Ion: 83 Resp: 4816
Ion Ratio Lower Upper
83 100
55 77.8 65.4 98.0
98 36.0 37.4 56.0#



#50
Toluene-d8
Concen: 47.34 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Tgt Ion: 98 Resp: 546870
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3

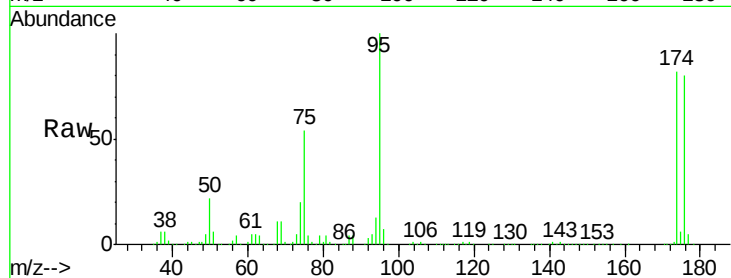




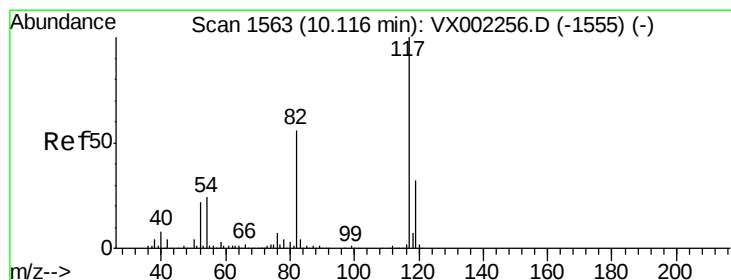
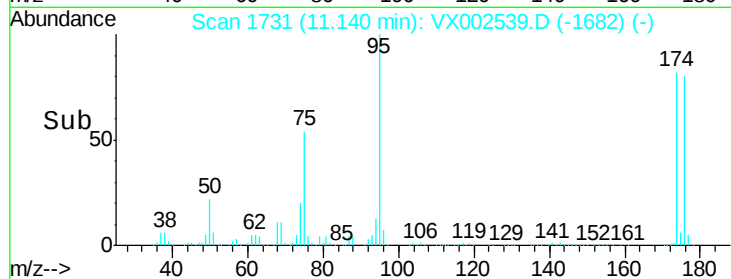
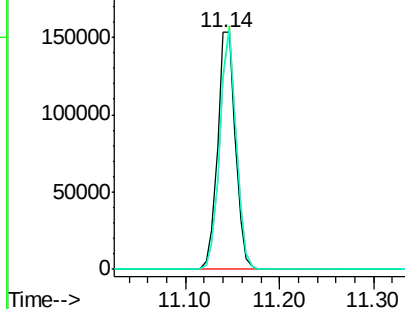
#62
4-Bromofluorobenzene
Concen: 45.13 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 201037
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.4
176 92.9 0.0 181.0

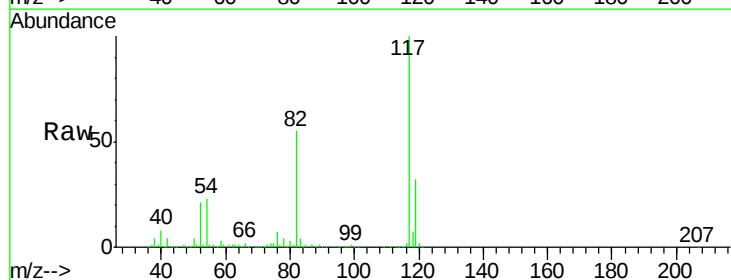


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

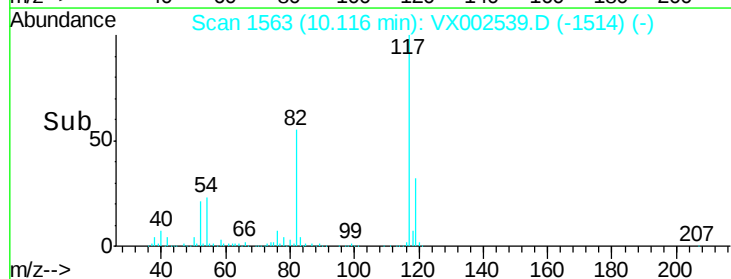
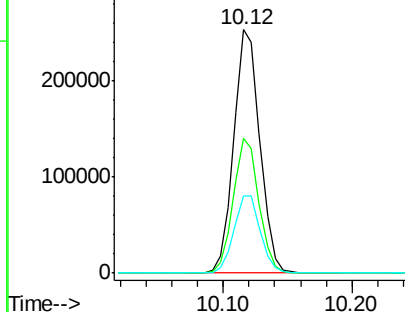


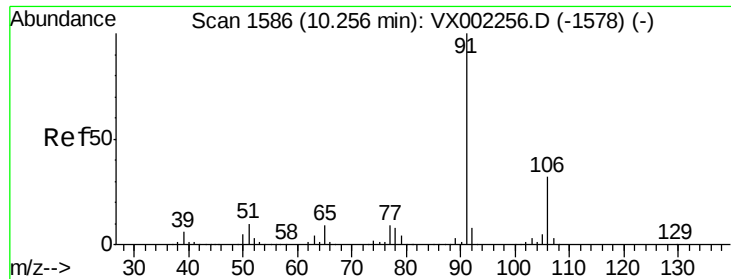
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Tgt Ion: 117 Resp: 356268
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 31.9 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





#67

Ethyl Benzene

Concen: 0.39 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

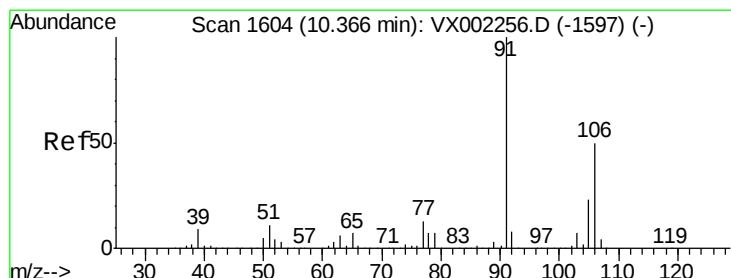
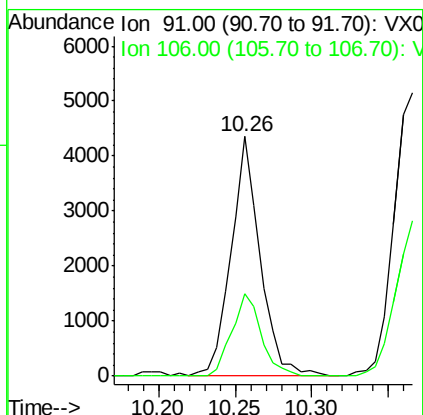
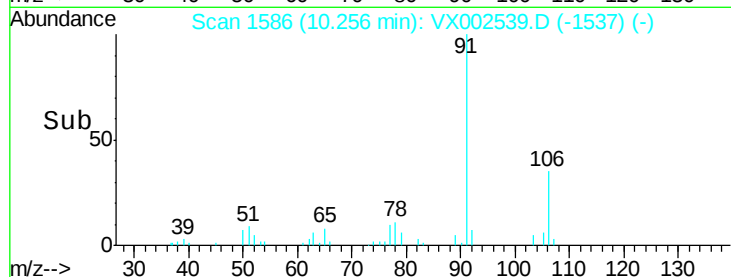
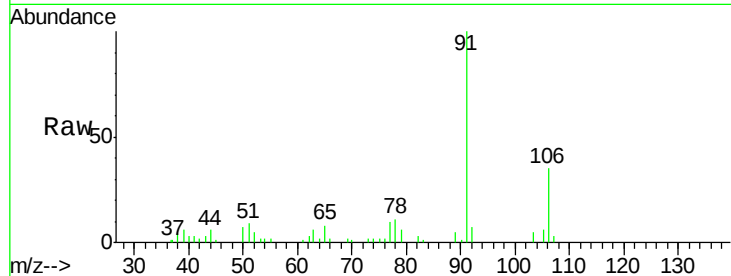
ClientSampleId :

Tot Ion: 91 Resp: 5745

Ion Ratio Lower Upper

91 100

106 34.6 25.5 38.3



#68

m/p-Xylenes

Concen: 0.73 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002539.D

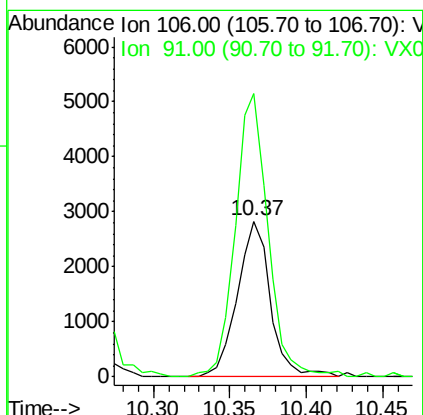
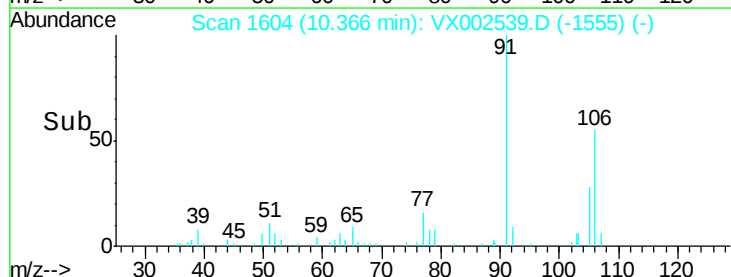
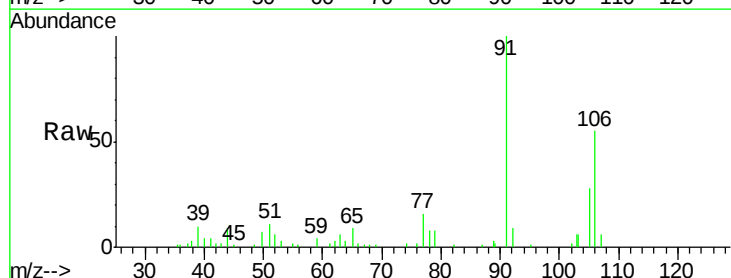
Acq: 14 Jun 2018 05:48

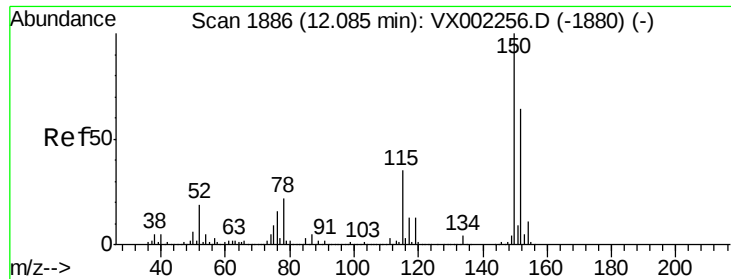
Tgt Ion: 106 Resp: 4229

Ion Ratio Lower Upper

106 100

91 180.3 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

ClientSampleId :

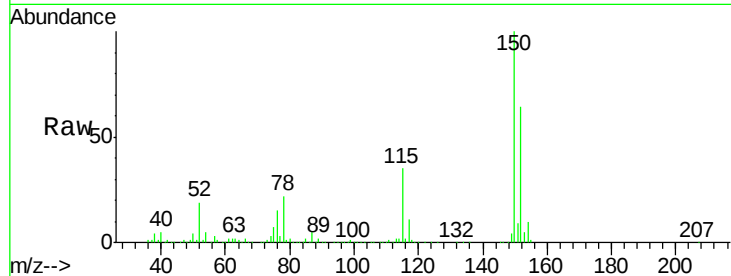
Tot Ion:152 Resp: 208615

Ion Ratio Lower Upper

152 100

115 55.0 40.1 120.2

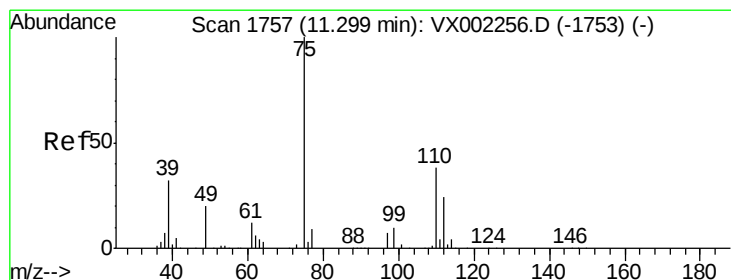
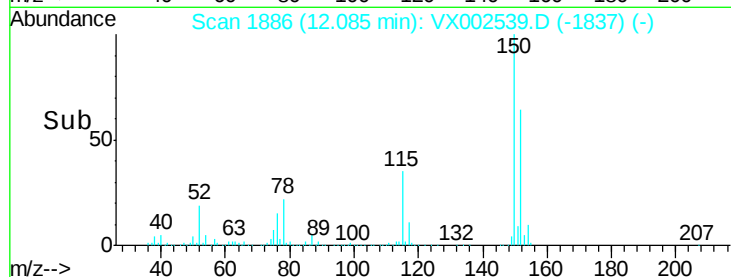
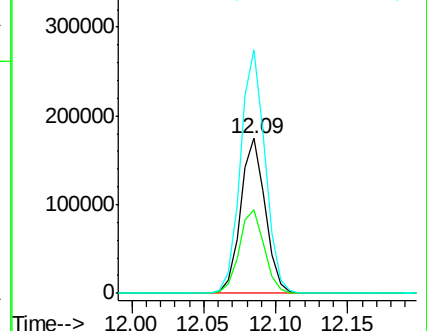
150 157.1 0.0 347.2



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: 23.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002539.D

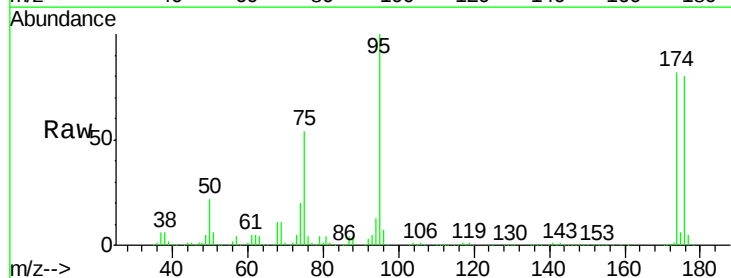
Acq: 14 Jun 2018 05:48

Tgt Ion: 75 Resp: 106811

Ion Ratio Lower Upper

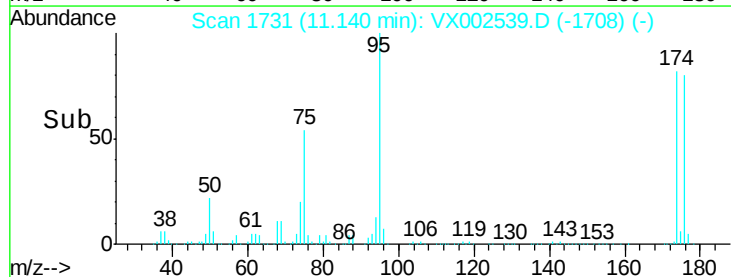
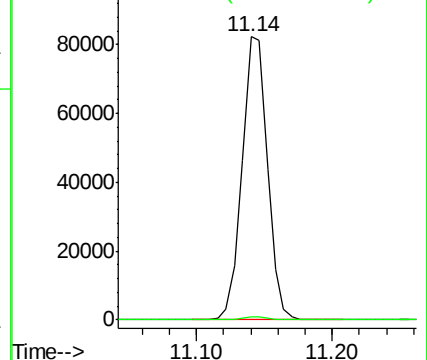
75 100

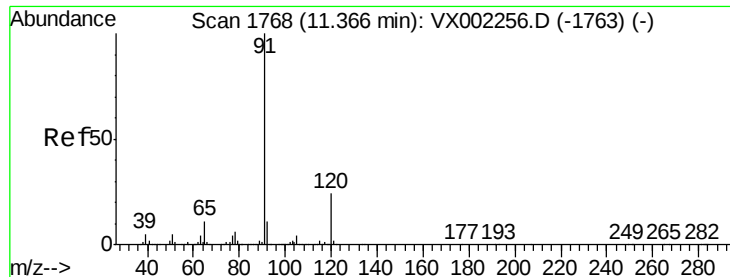
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

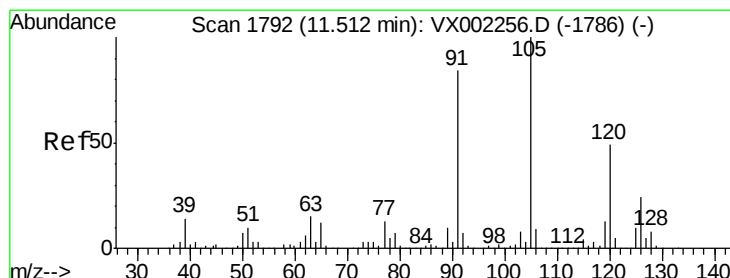
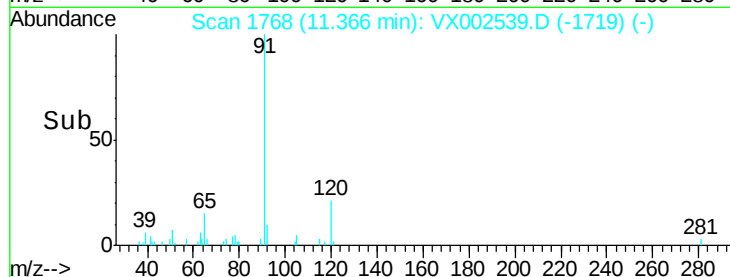
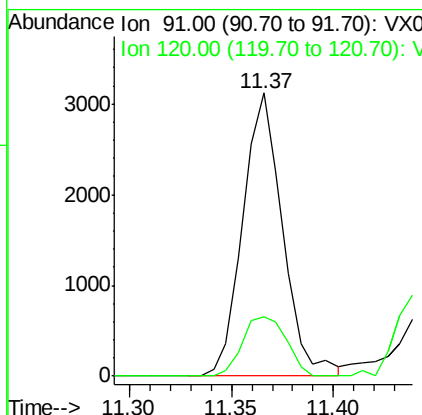
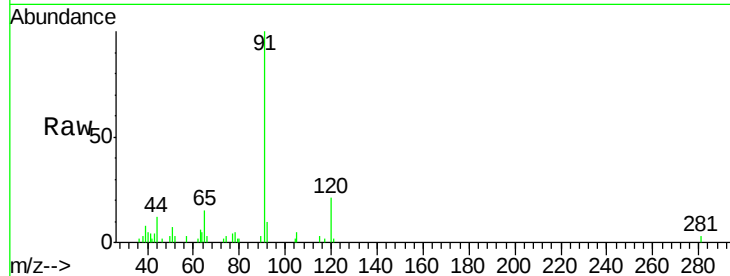




#78
n-propylbenzene
Concen: 0.26 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

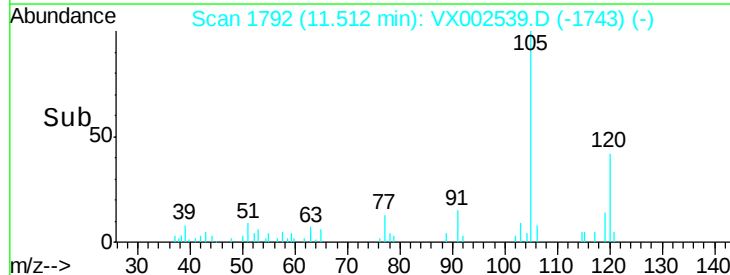
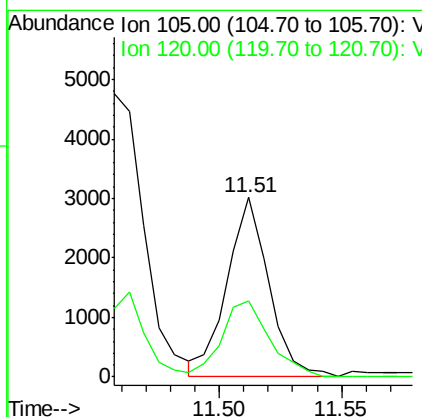
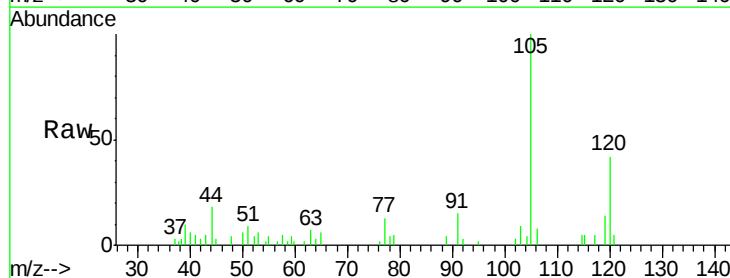
Instrument :
MSVOA_X
ClientSampleId :

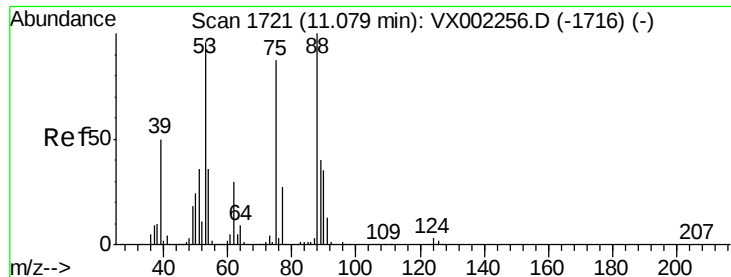
Tot Ion: 91 Resp: 4241
Ion Ratio Lower Upper
91 100
120 23.0 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 0.29 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Tgt Ion: 105 Resp: 3568
Ion Ratio Lower Upper
105 100
120 48.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 81.79 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002539.D

Acq: 14 Jun 2018 05:48

Instrument :

MSVOA_X

ClientSampleId :

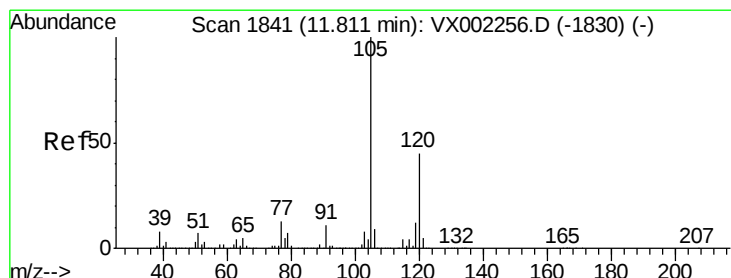
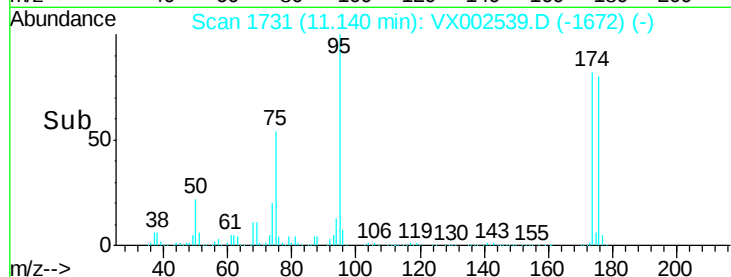
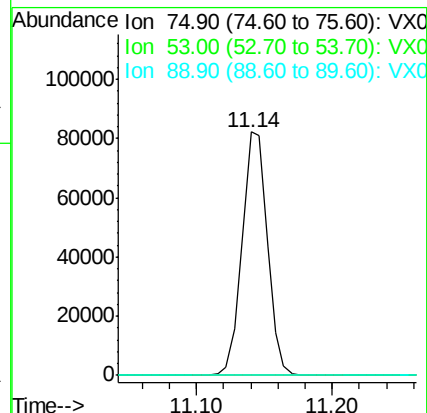
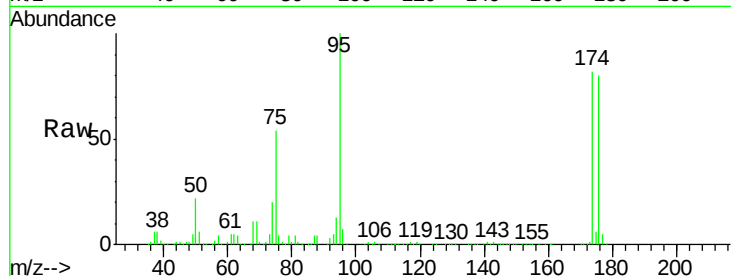
Tot Ion: 75 Resp: 106811

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#



#84

1,2,4-Trimethylbenzene

Concen: 1.01 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX002539.D

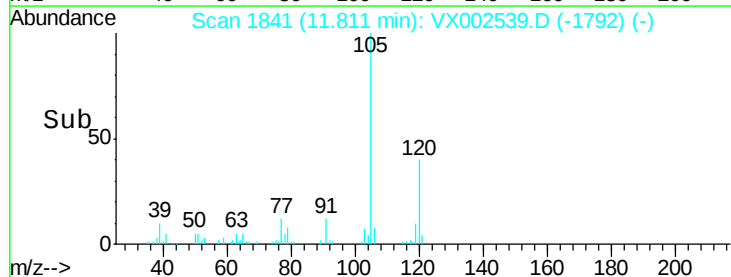
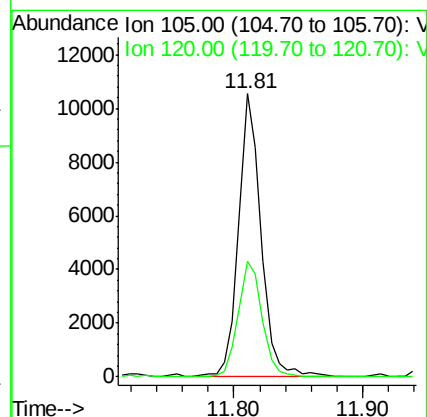
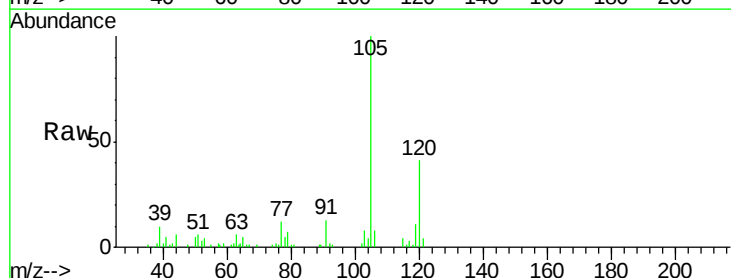
Acq: 14 Jun 2018 05:48

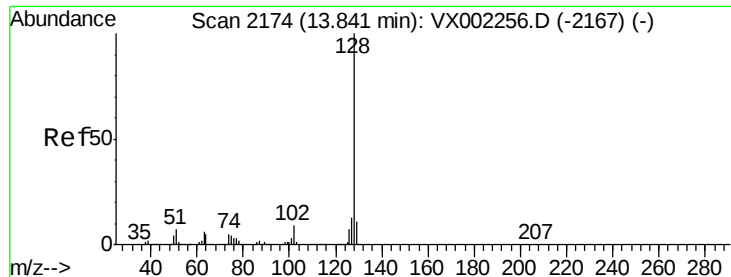
Tgt Ion:105 Resp: 12934

Ion Ratio Lower Upper

105 100

120 43.2 22.3 66.8

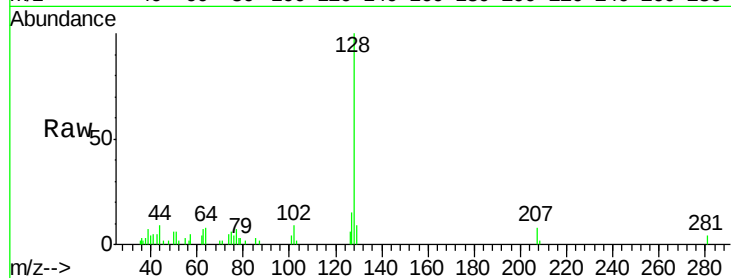




#95
Naphthalene
Concen: 0.27 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002539.D
Acq: 14 Jun 2018 05:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.9	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

