

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061418\
 Data File : VX002568.D
 Acq On : 14 Jun 2018 23:24
 Operator : JC/MD
 Sample : VX0614WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 03:21:10 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	241918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	349280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	176086	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	177023	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	5.51	113	133225	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
50) Toluene-d8	8.72	98	528609	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.14	95	185008	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	

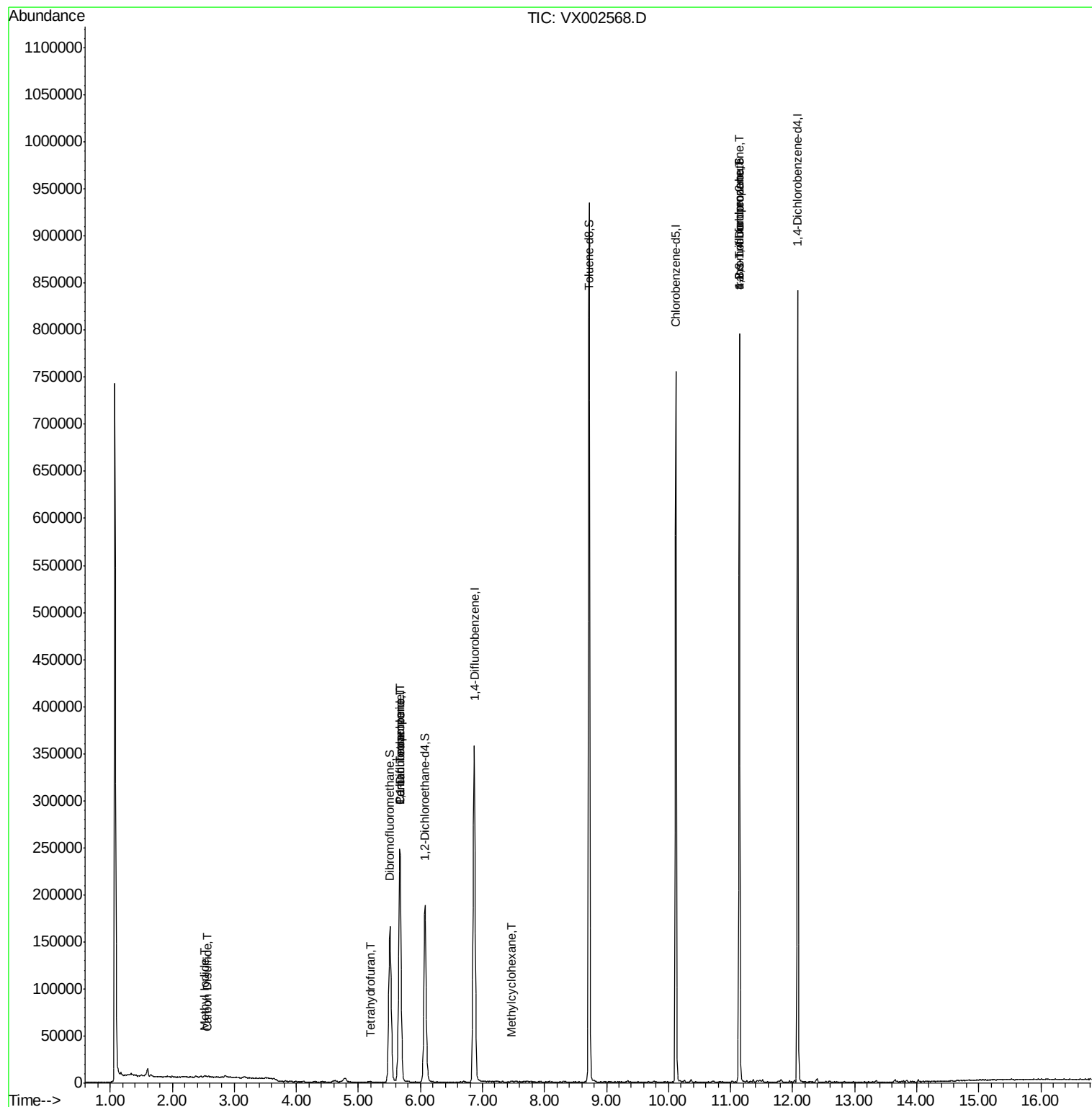
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	550	Below Cal		98
5) Bromomethane	1.65	94	1237	Below Cal		84
8) Diethyl Ether	2.25	74	100	Below Cal		49
10) Methyl Iodide	2.52	142	2392	0.65 ug/l		98
11) Tert butyl alcohol	3.08	59	173	Below Cal	#	1
13) Acrolein	2.28	56	154	Below Cal	#	79
15) Acrylonitrile	3.14	53	674	Below Cal	#	80
16) Acetone	2.45	43	1647	Below Cal		97
17) Carbon Disulfide	2.57	76	1503	0.22 ug/l	#	90
18) Methyl Acetate	2.79	43	918	Below Cal		96
19) Methyl tert-butyl Ether	3.19	73	189	Below Cal	#	1
20) Methylene Chloride	2.86	84	703	Below Cal	#	86
22) Diisopropyl ether	3.88	45	509	Below Cal	#	35
28) Bromochloromethane	5.01	49	22	Below Cal	#	89
29) Tetrahydrofuran	5.18	42	532	0.35 ug/l	#	44
36) 1,1-Dichloropropene	5.67	75	17479	4.76 ug/l	#	51
38) Carbon Tetrachloride	5.67	117	22371	5.82 ug/l	#	15
39) Methylcyclohexane	7.47	83	490	0.37 ug/l	#	70
76) 1,2,3-Trichloropropane	11.14	75	99052	25.64 ug/l	#	32
81) trans-1,4-Dichloro-2-buten	11.14	75	99052	89.86 ug/l	#	6

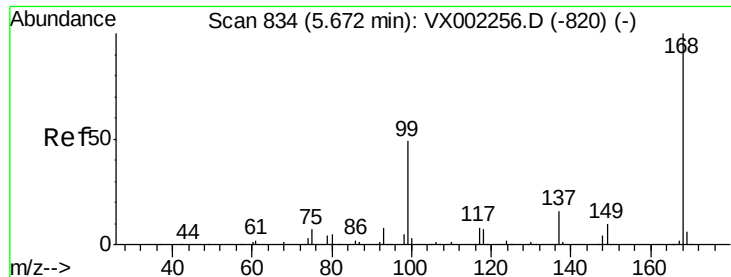
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 833

Delta R.T. -0.01 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

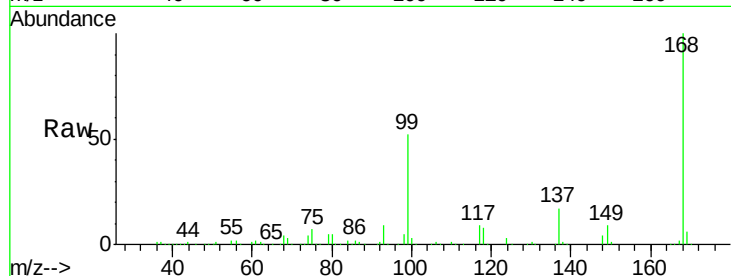
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 241918

Ion Ratio Lower Upper

168 100

99 51.7 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

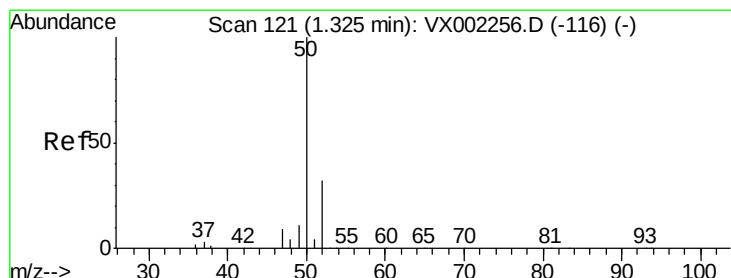
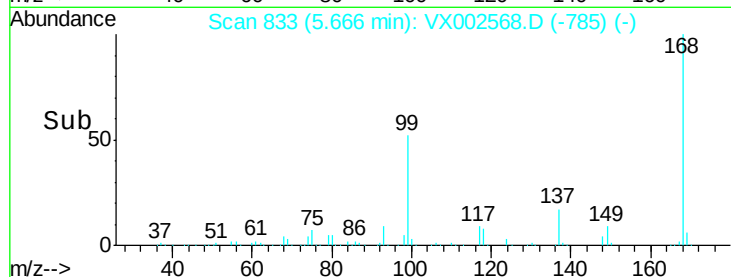
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002568.D

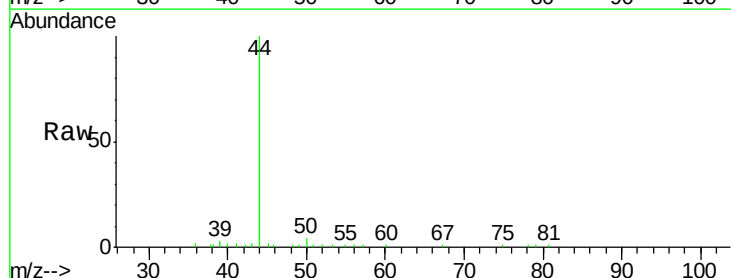
Acq: 14 Jun 2018 23:24

Tgt Ion: 50 Resp: 550

Ion Ratio Lower Upper

50 100

52 30.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

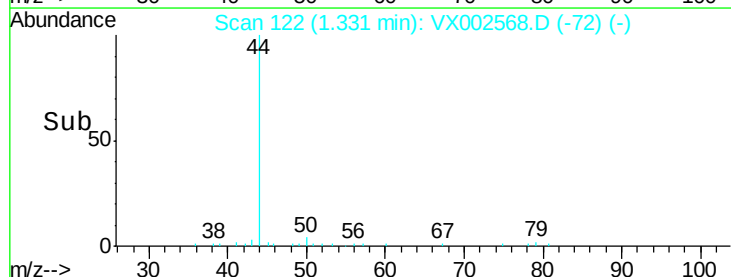
300

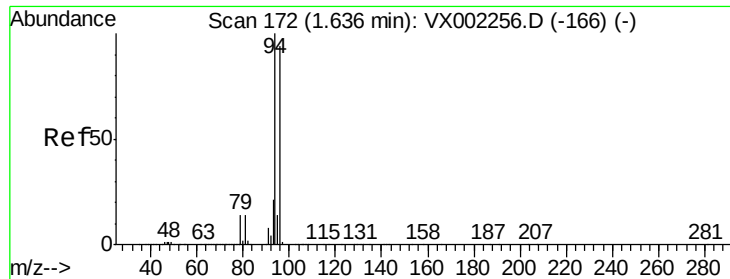
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

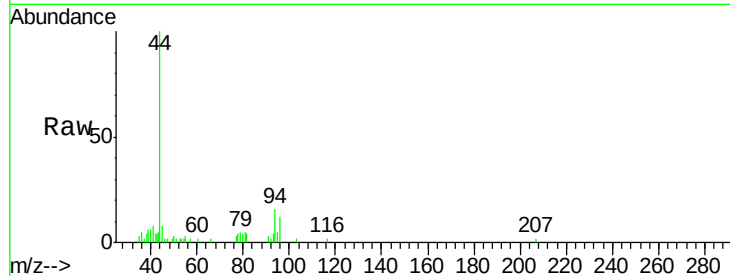
ClientSampled :

Tot Ion: 94 Resp: 1237

Ion Ratio Lower Upper

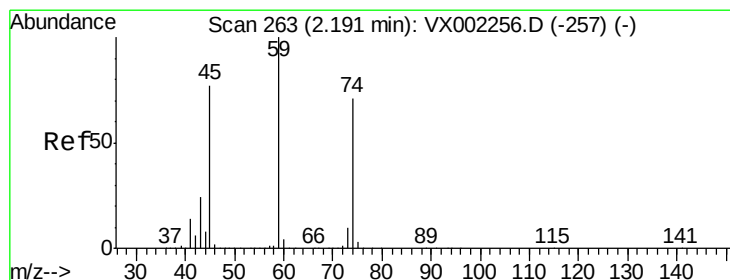
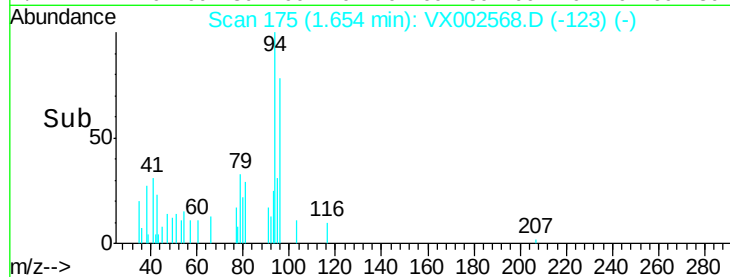
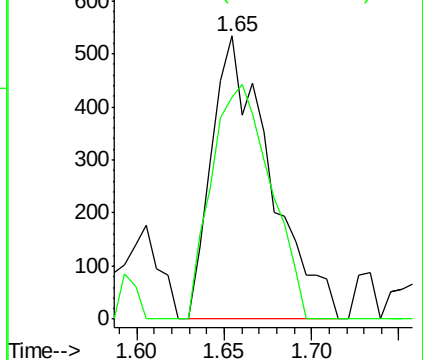
94 100

96 78.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.25 min Scan# 273

Delta R.T. 0.06 min

Lab File: VX002568.D

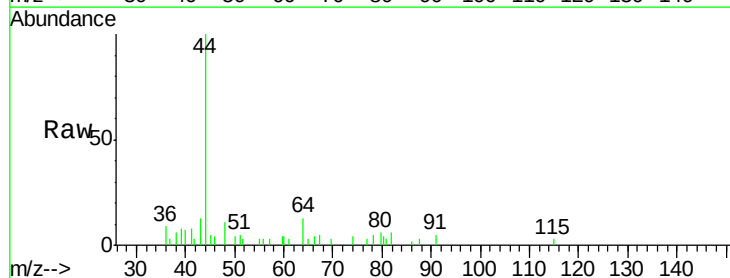
Acq: 14 Jun 2018 23:24

Tgt Ion: 74 Resp: 100

Ion Ratio Lower Upper

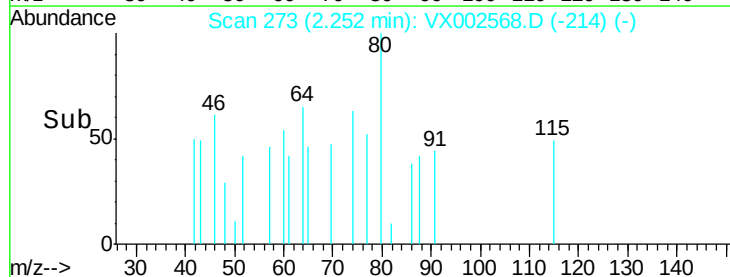
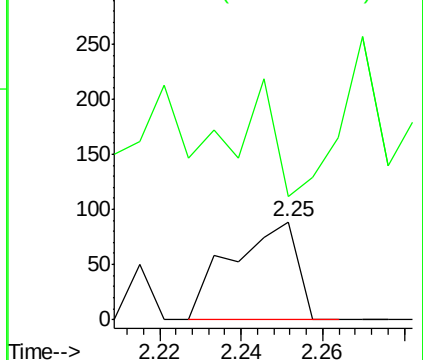
74 100

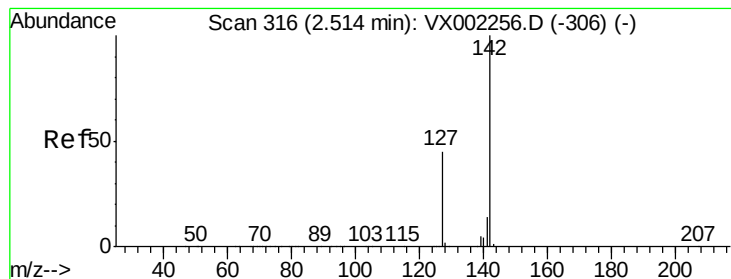
45 159.0 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methvl Iodide

Concen: 0.65 ua/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampled :

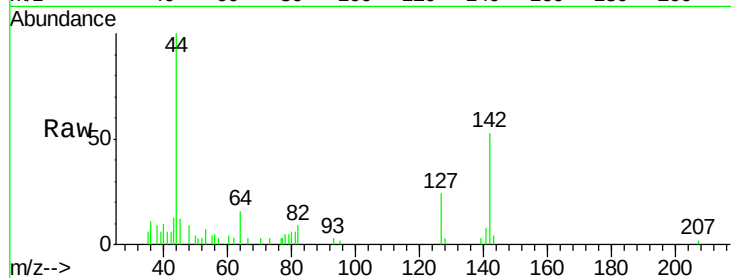
Tot Ion:142 Resp: 2392

Ion Ratio Lower Upper

142 100

127 47.3 36.6 55.0

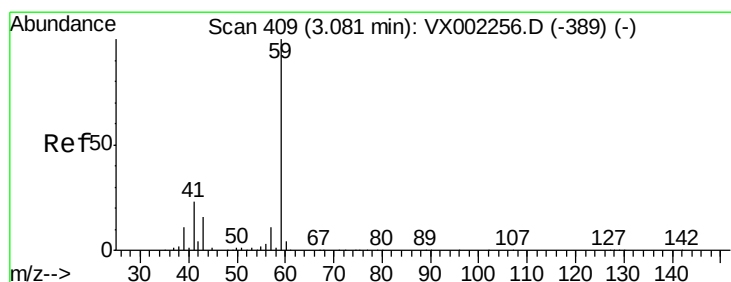
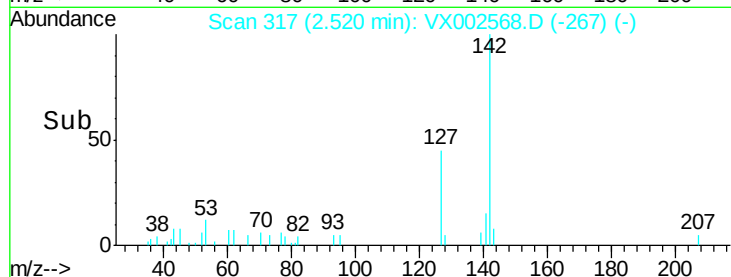
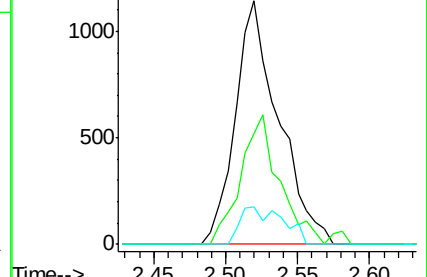
141 15.2 11.3 16.9



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: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX002568.D

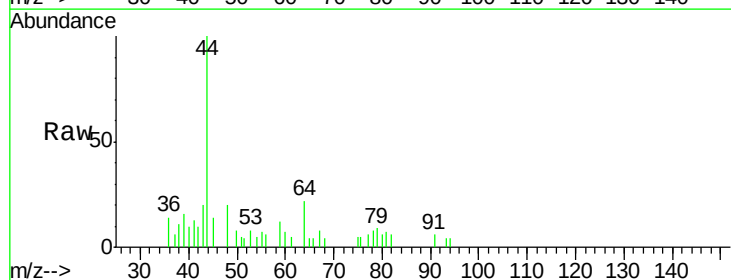
Acq: 14 Jun 2018 23:24

Tgt Ion: 59 Resp: 173

Ion Ratio Lower Upper

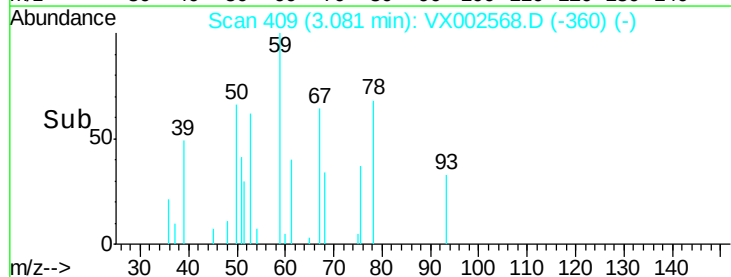
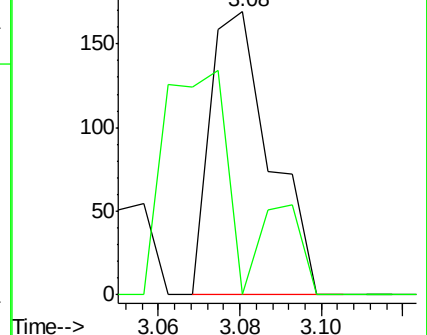
59 100

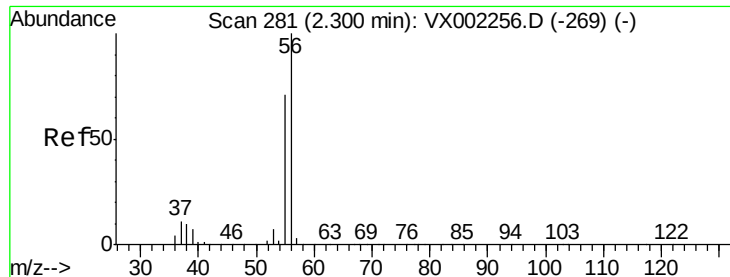
57 103.5 8.2 12.2#



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: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

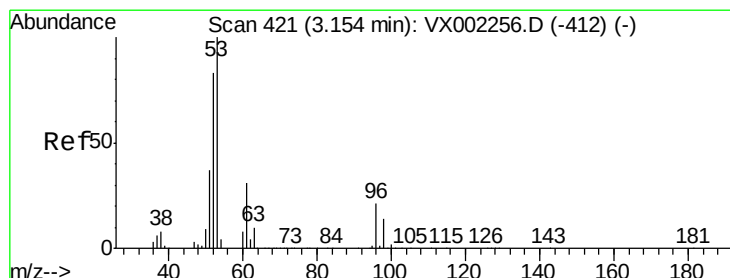
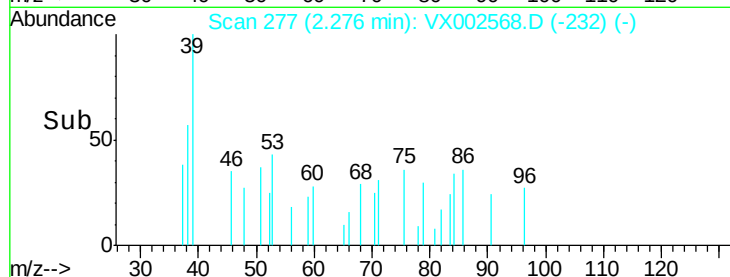
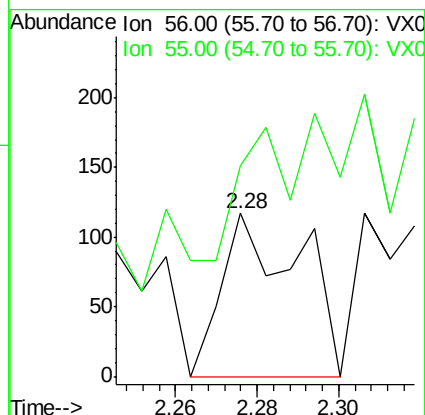
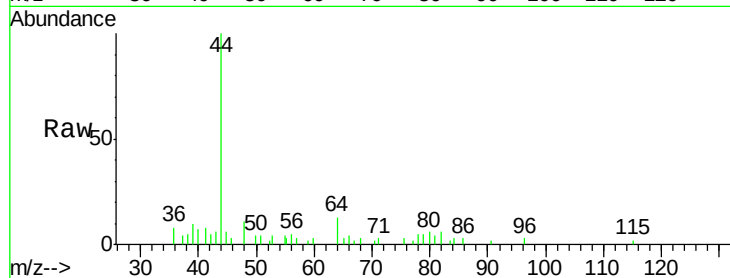
ClientSampled :

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 89.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

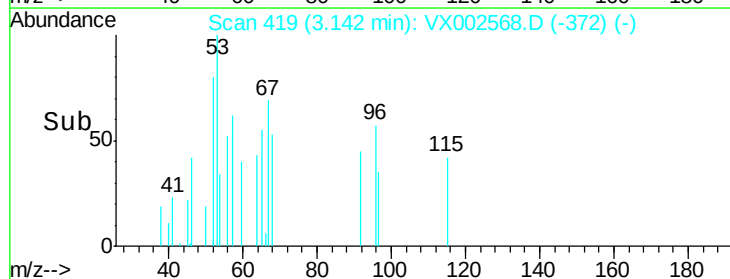
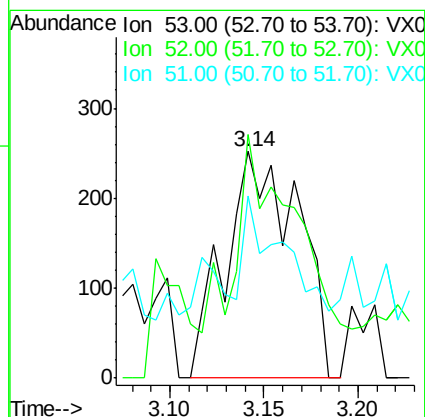
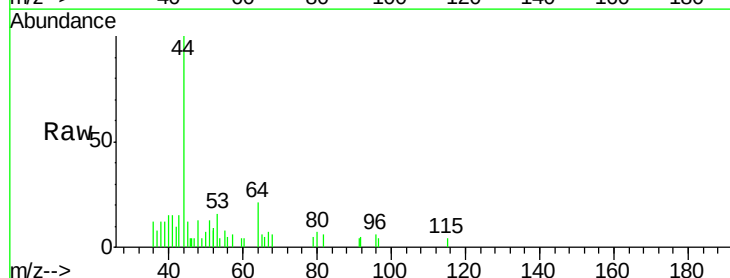
Tgt Ion: 53 Resp: 674

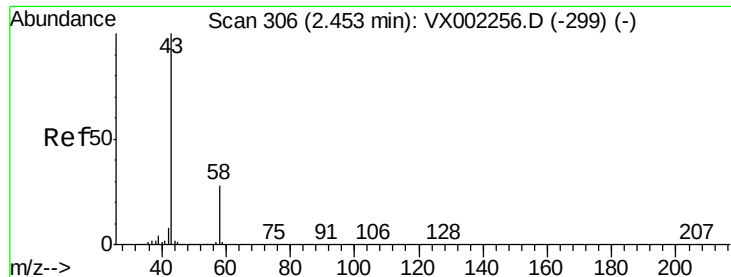
Ion Ratio Lower Upper

53 100

52 101.0 66.7 100.1#

51 25.1 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

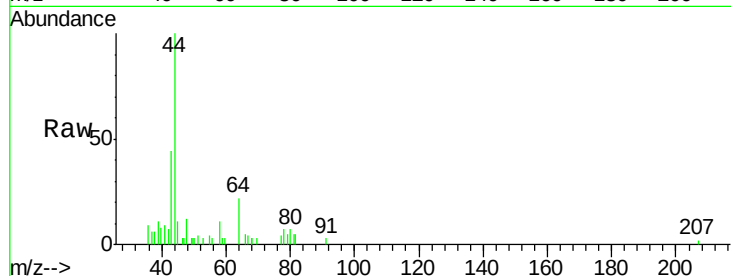
ClientSampled :

Tot Ion: 43 Resp: 1647

Ion Ratio Lower Upper

43 100

58 29.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

600

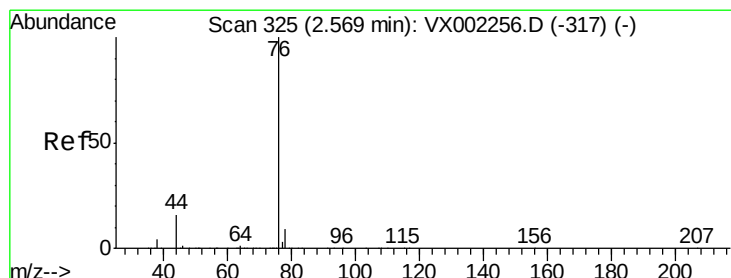
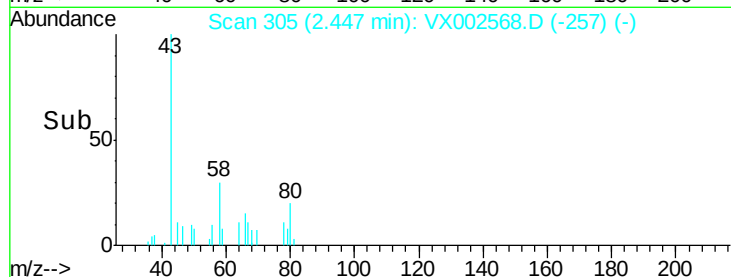
400

200

0

Time-->

2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002568.D

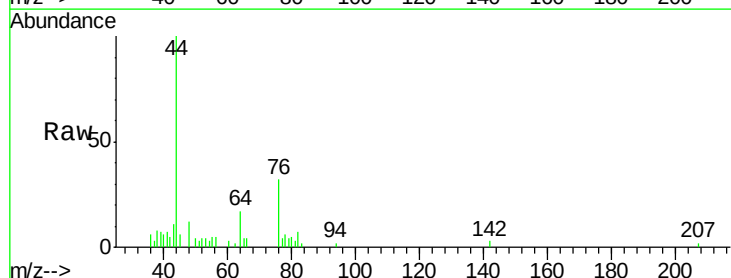
Acq: 14 Jun 2018 23:24

Tgt Ion: 76 Resp: 1503

Ion Ratio Lower Upper

76 100

78 5.2 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

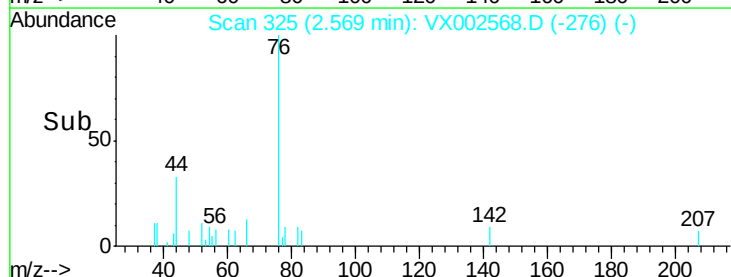
400

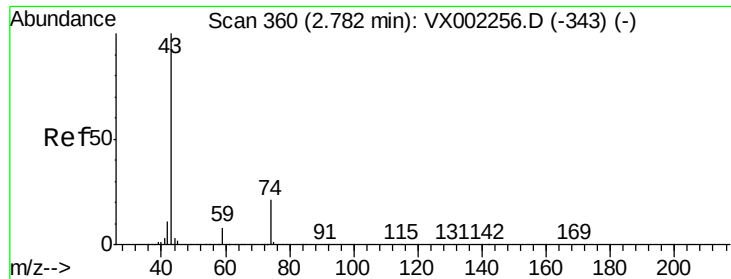
200

0

Time-->

2.50 2.55 2.60 2.65

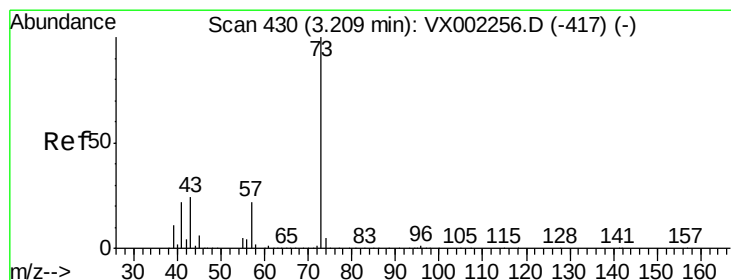
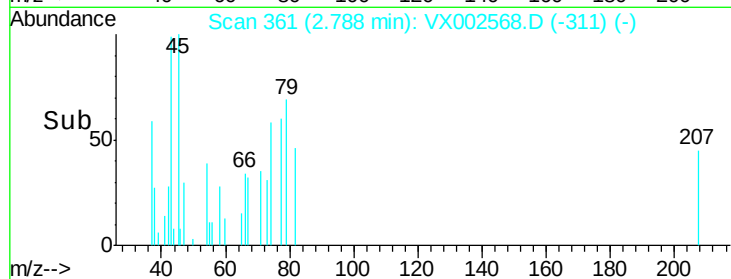
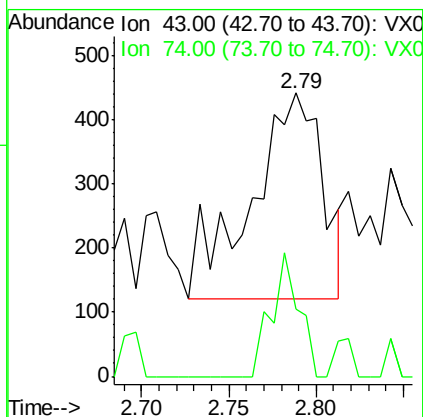
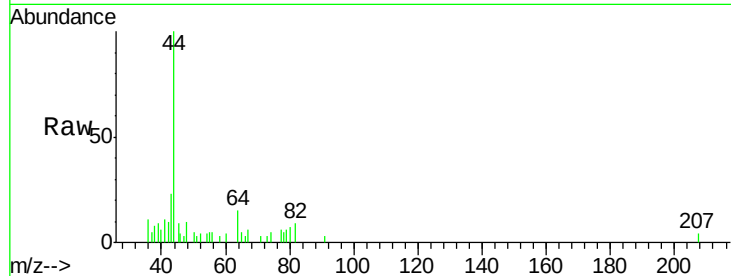




#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002568.D
Acq: 14 Jun 2018 23:24

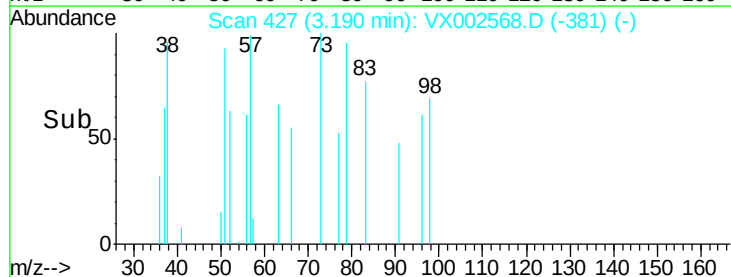
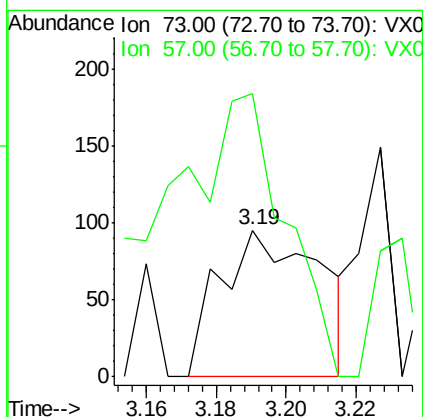
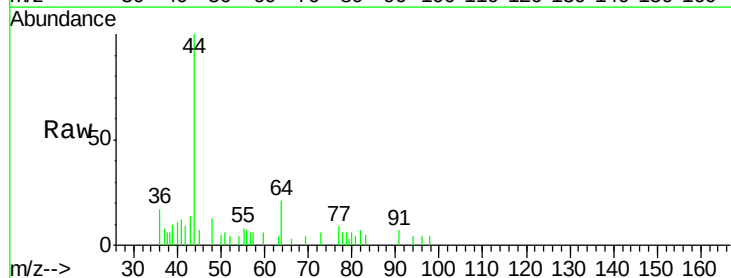
Instrument :
MSVOA_X
ClientSampleId :

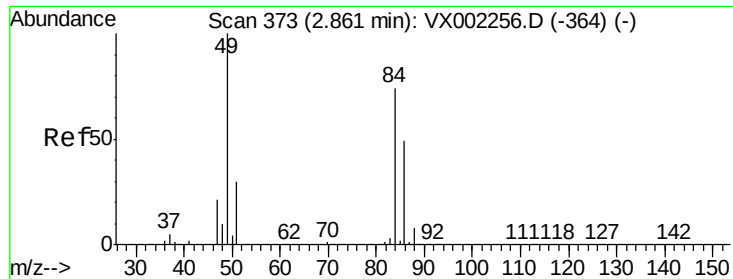
Tot Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
74 22.9 16.7 25.1



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.19 min Scan# 427
Delta R.T. -0.02 min
Lab File: VX002568.D
Acq: 14 Jun 2018 23:24

Tgt Ion: 73 Resp: 189
Ion Ratio Lower Upper
73 100
57 193.7 17.7 26.5#

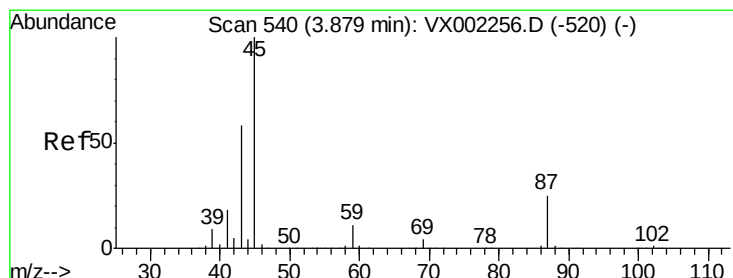
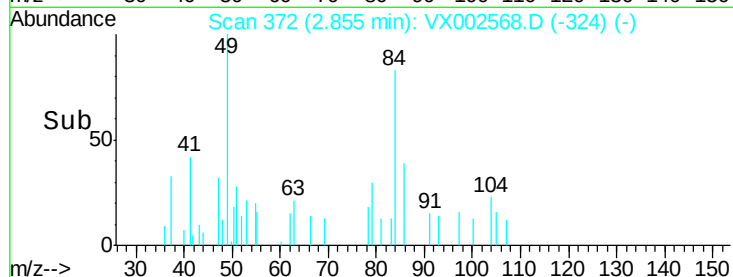
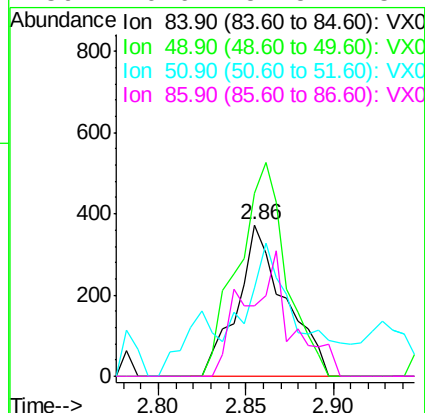
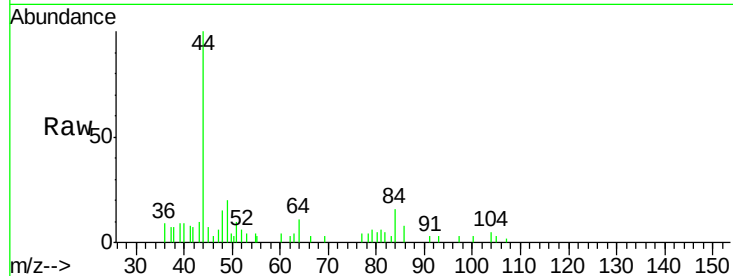




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002568.D
Acq: 14 Jun 2018 23:24

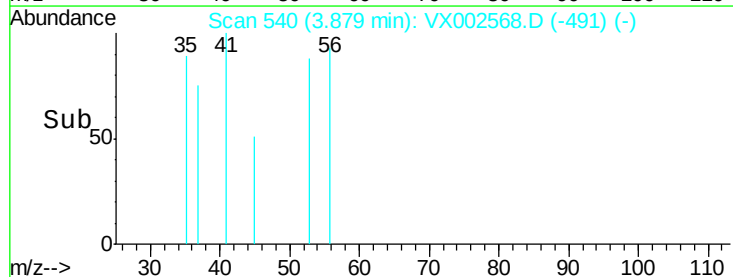
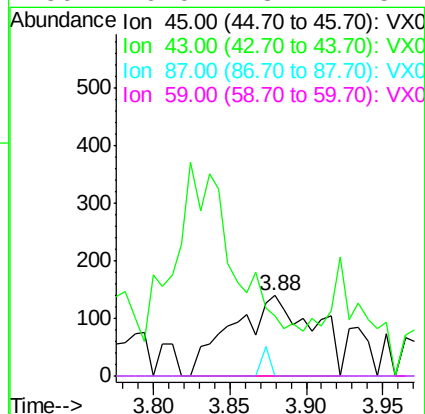
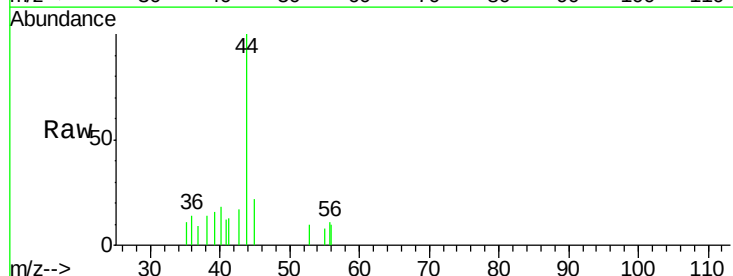
Instrument :
MSVOA_X
ClientSampleId :

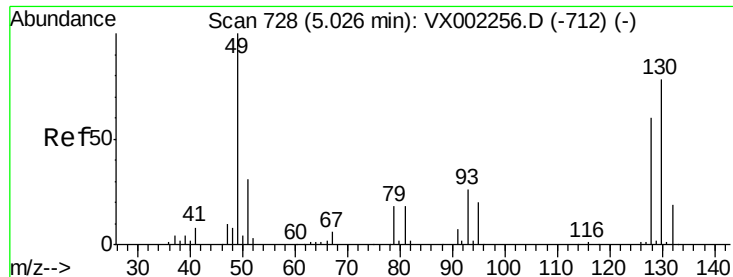
Tot Ion: 84 Resp: 703
Ion Ratio Lower Upper
84 100
49 120.6 107.8 161.6
51 36.7 32.8 49.2
86 46.6 52.5 78.7#



#22
Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002568.D
Acq: 14 Jun 2018 23:24

Tgt Ion: 45 Resp: 509
Ion Ratio Lower Upper
45 100
43 0.0 46.8 70.2#
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#



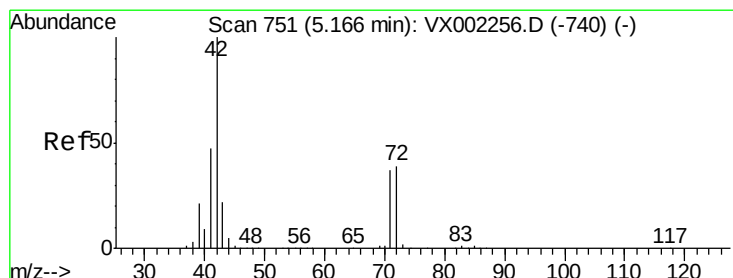
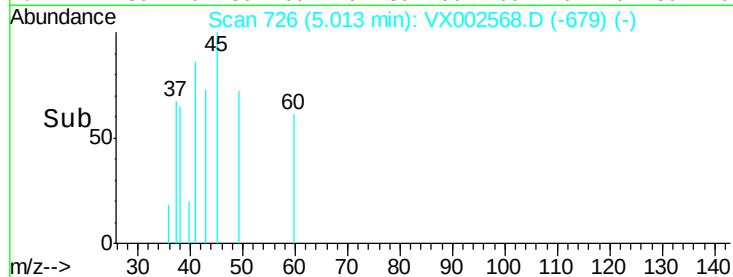
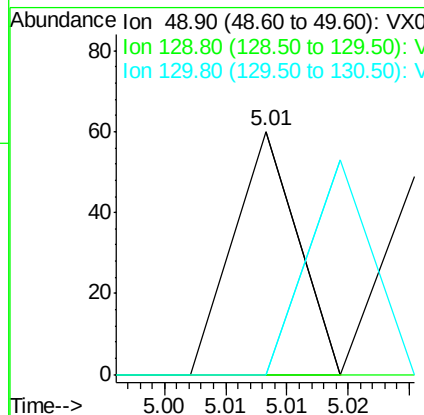
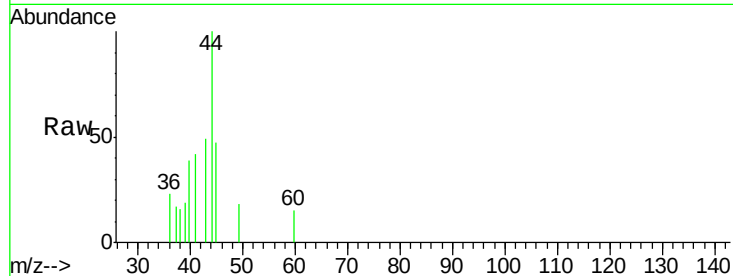


#28

Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VX002568.D
 Acq: 14 Jun 2018 23:24

Instrument :
 MSVOA_X
 ClientSampled :

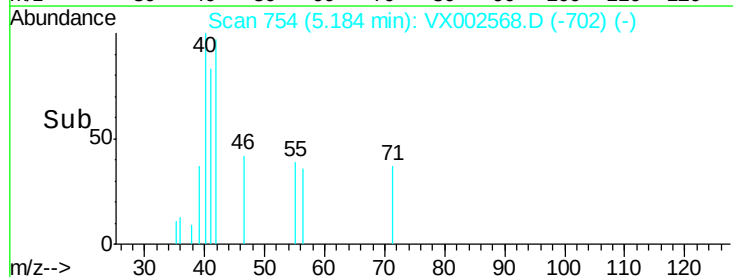
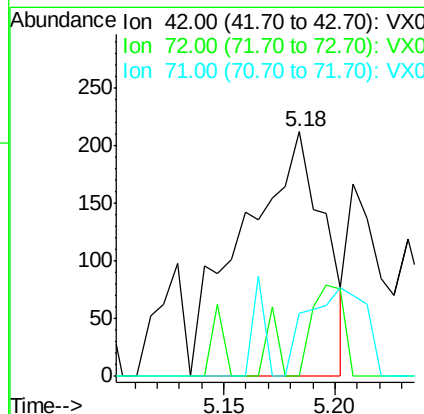
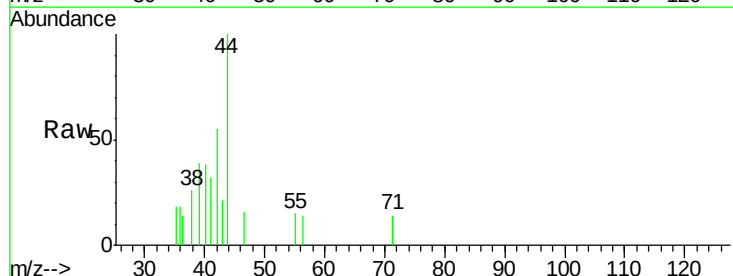
Tot Ion: 49 Resp: 22
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 86.4 61.2 91.8

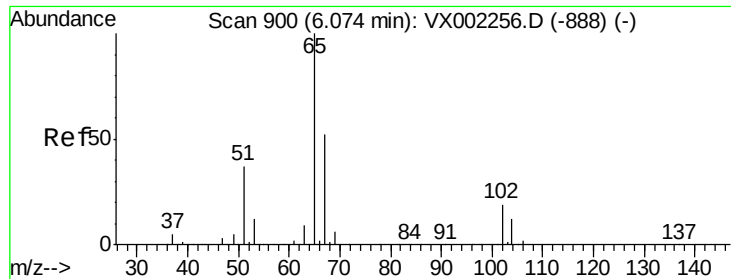


#29

Tetrahydrofuran
 Concen: 0.35 ug/l
 RT: 5.18 min Scan# 754
 Delta R.T. 0.02 min
 Lab File: VX002568.D
 Acq: 14 Jun 2018 23:24

Tgt Ion: 42 Resp: 532
 Ion Ratio Lower Upper
 42 100
 72 4.1 32.0 48.0#
 71 5.8 30.1 45.1#

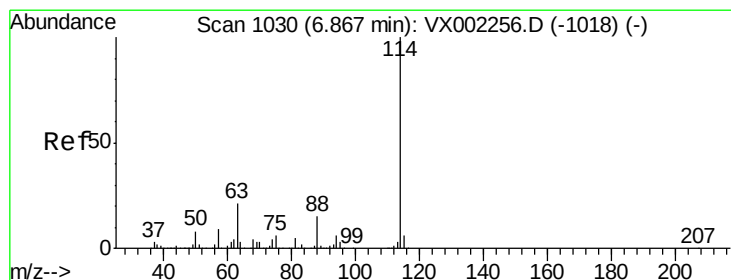
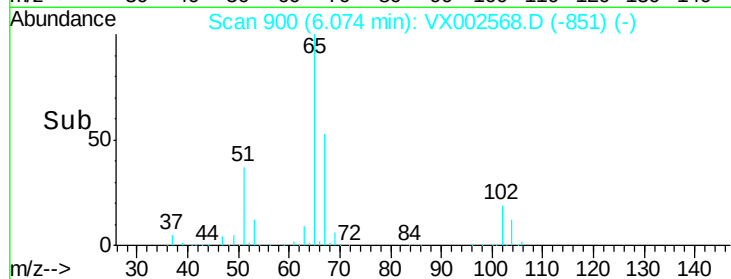
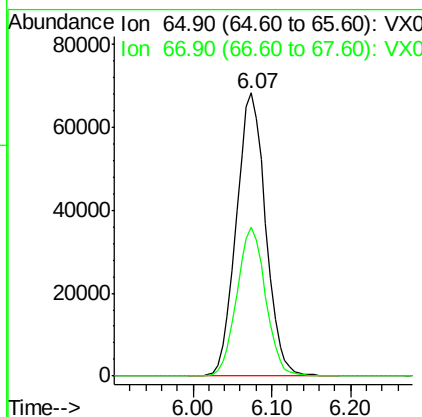
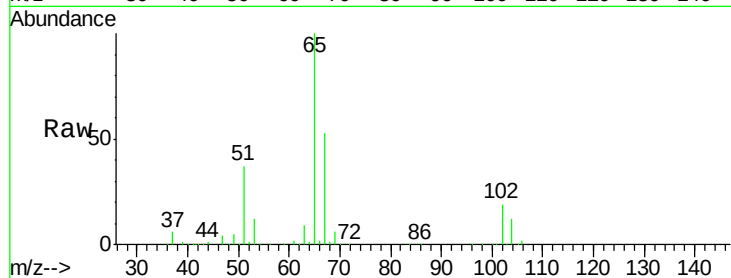




#33
 1,2-Dichloroethane-d4
 Concen: 51.26 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002568.D
 Acq: 14 Jun 2018 23:24

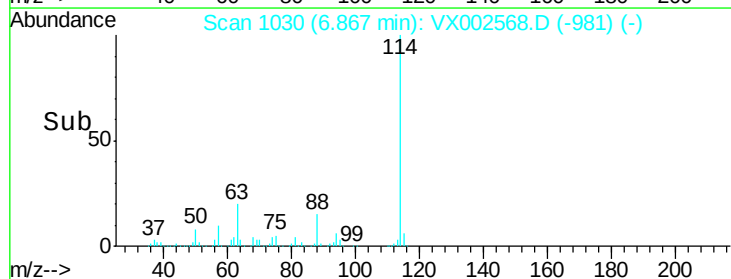
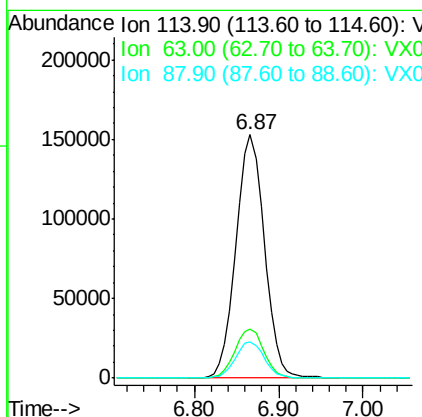
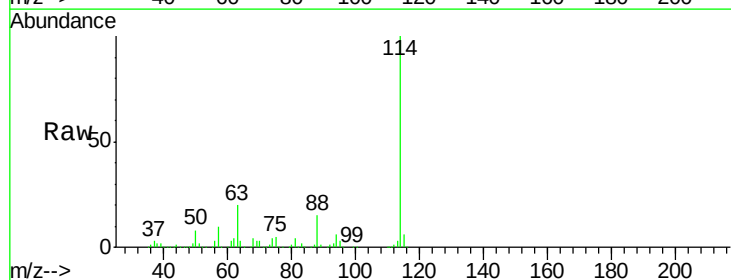
Instrument :
 MSVOA_X
 ClientSampleId :

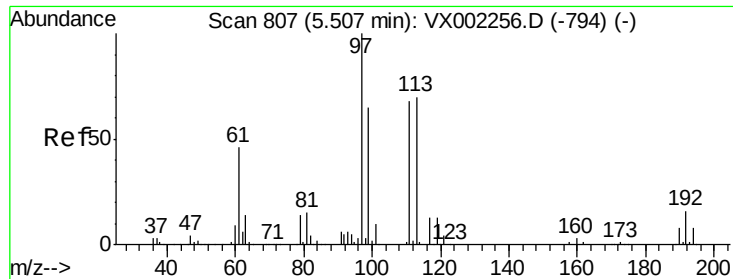
Tot Ion: 65 Resp: 177023
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002568.D
 Acq: 14 Jun 2018 23:24

Tgt Ion: 114 Resp: 349280
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.1 0.0 30.0

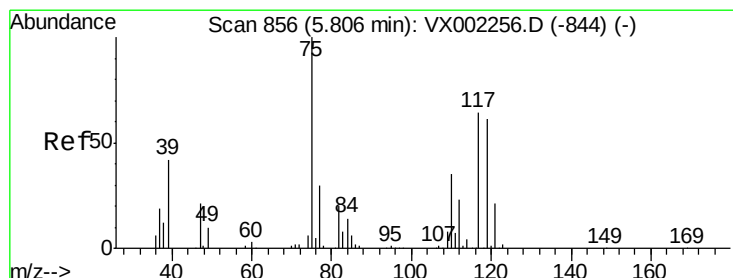
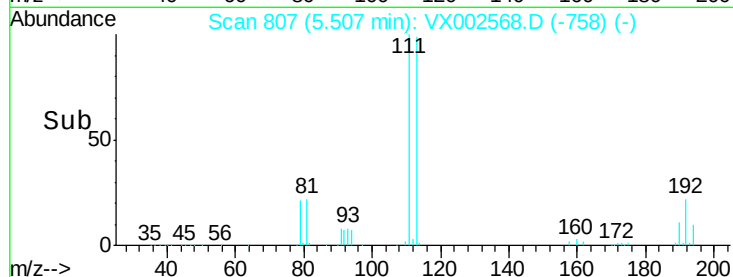
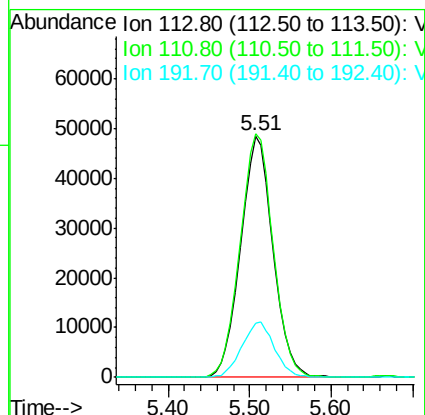
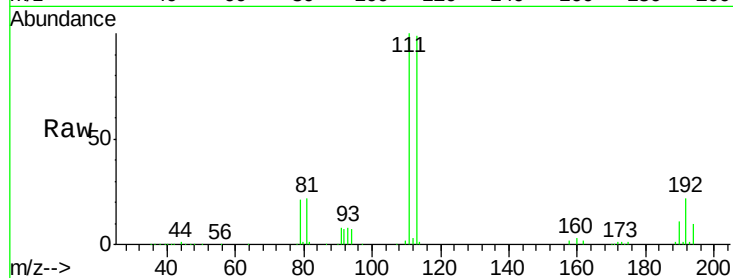




#35
 Dibromofluoromethane
 Concen: 48.50 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002568.D
 Acq: 14 Jun 2018 23:24

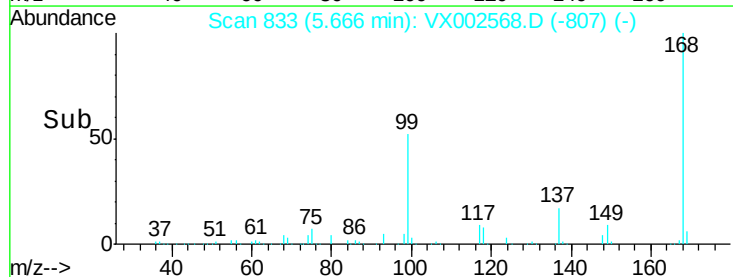
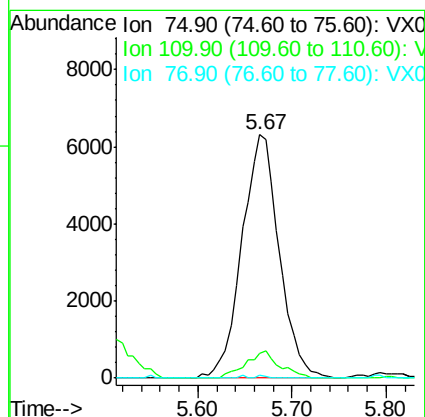
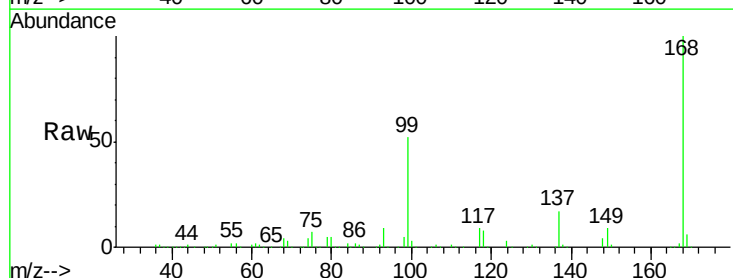
Instrument :
 MSVOA_X
 ClientSampleId :

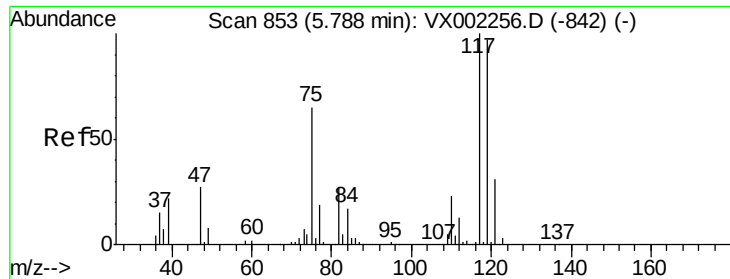
Tot Ion:113 Resp: 133225
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.0
 192 23.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.76 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002568.D
 Acq: 14 Jun 2018 23:24

Tgt Ion: 75 Resp: 17479
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.3 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.82 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

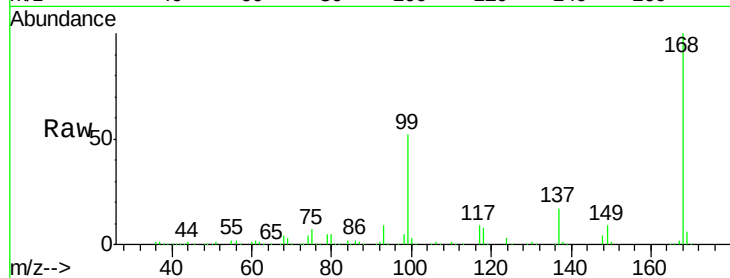
Tot Ion:117 Resp: 22371

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

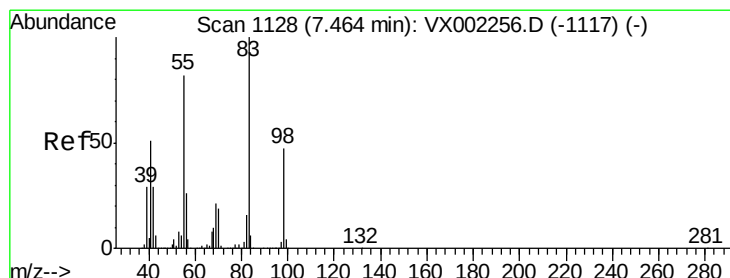
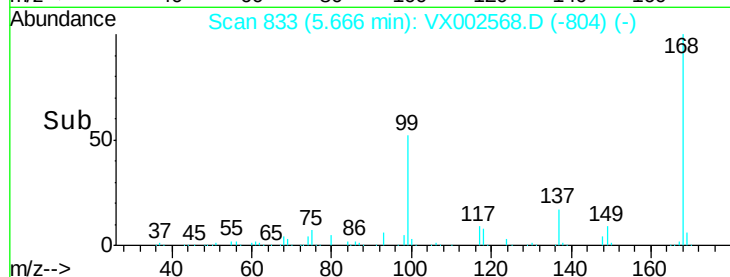
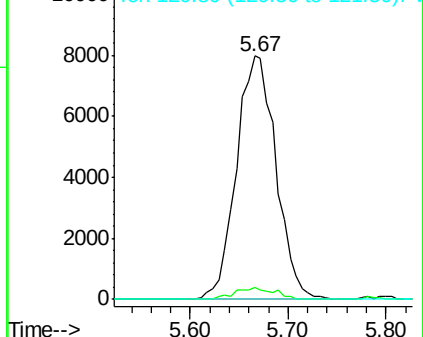
121 0.0 24.4 36.6#



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: 0.37 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

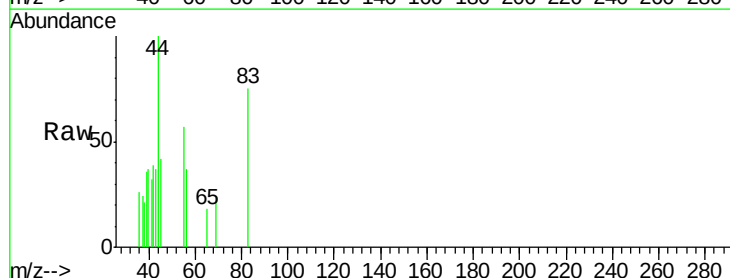
Tgt Ion: 83 Resp: 490

Ion Ratio Lower Upper

83 100

55 76.1 65.4 98.0

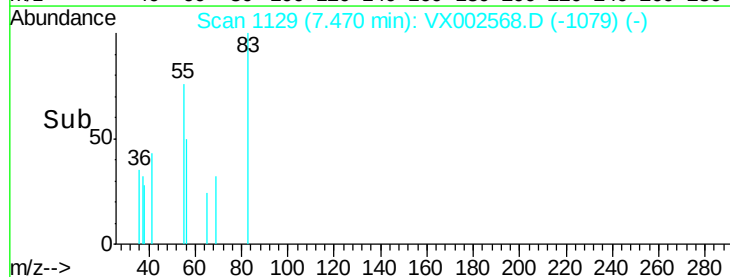
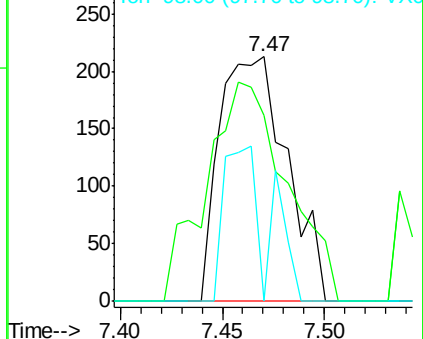
98 0.0 37.4 56.0#

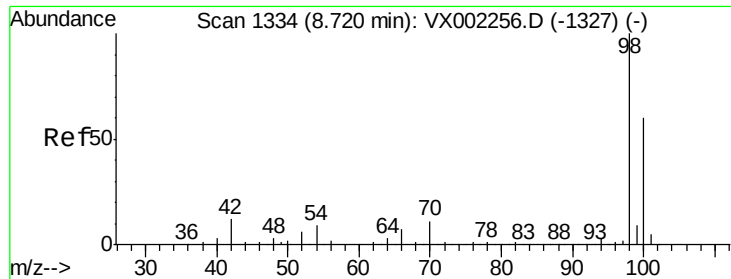


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 50.21 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

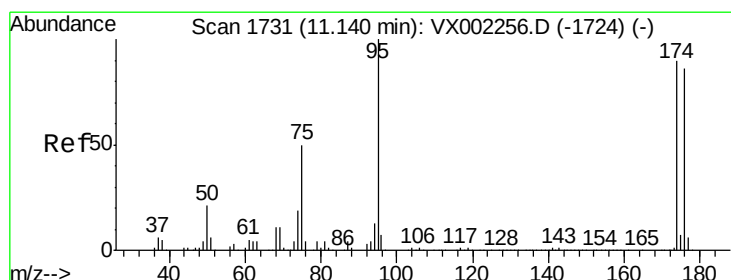
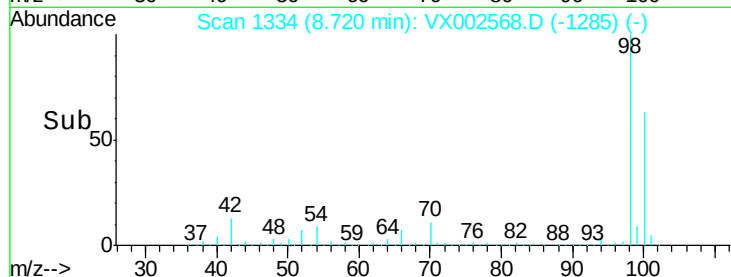
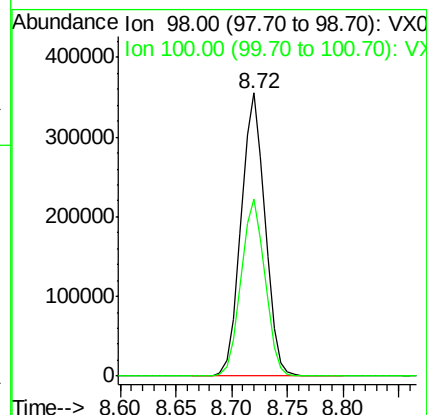
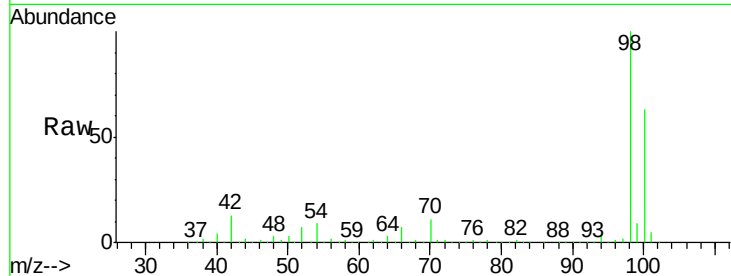
ClientSampleId :

Tot Ion: 98 Resp: 528609

Ion Ratio Lower Upper

98 100

100 62.5 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 45.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

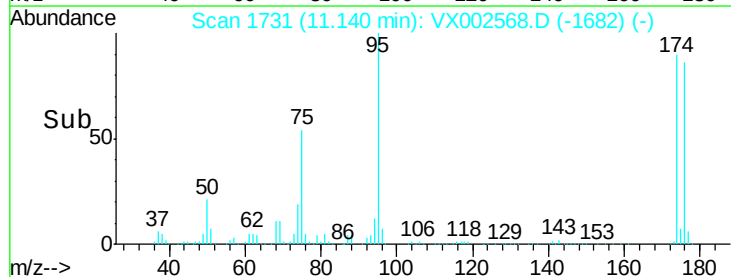
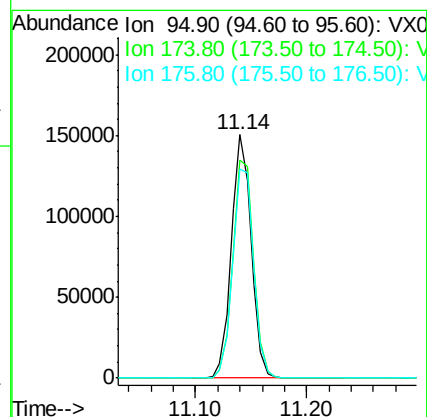
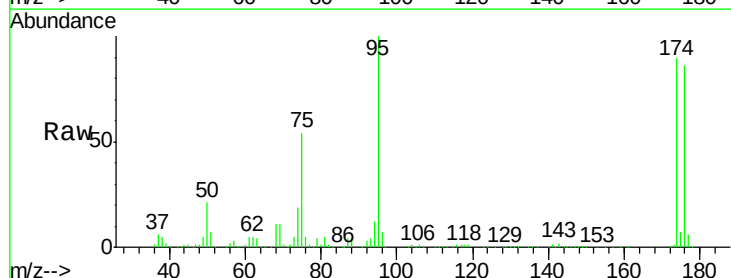
Tgt Ion: 95 Resp: 185008

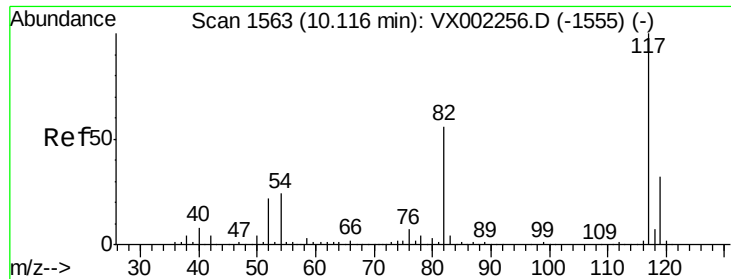
Ion Ratio Lower Upper

95 100

174 93.8 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: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

ClientSampleId :

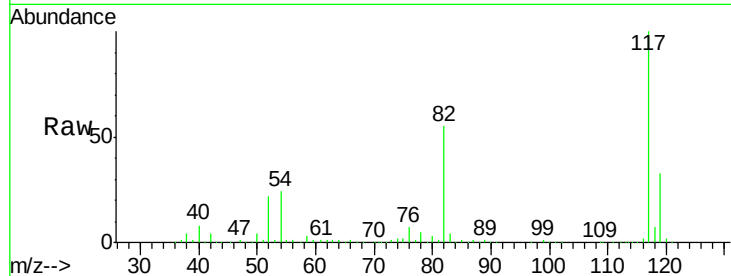
Tot Ion:117 Resp: 323988

Ion Ratio Lower Upper

117 100

82 54.9 45.0 67.4

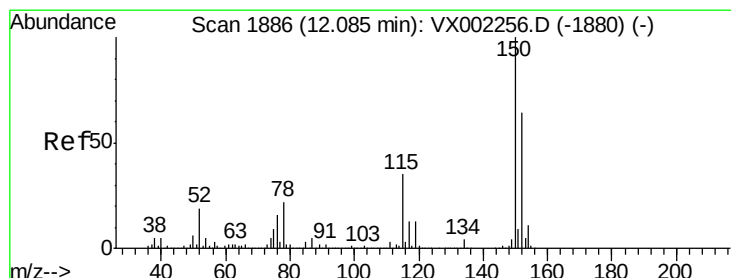
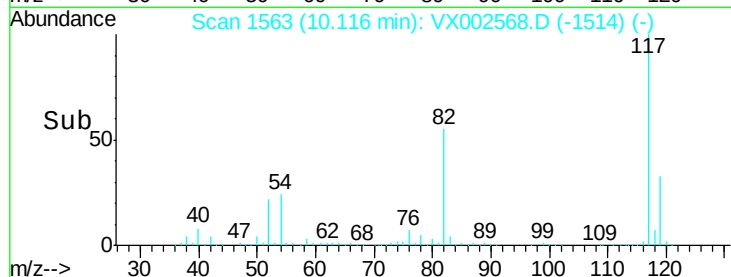
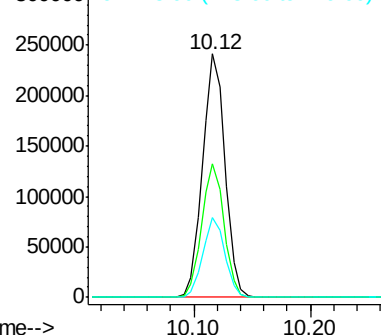
119 32.9 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

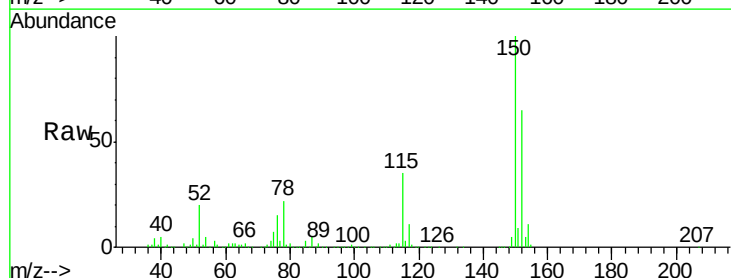
Tgt Ion:152 Resp: 176086

Ion Ratio Lower Upper

152 100

115 55.3 40.1 120.2

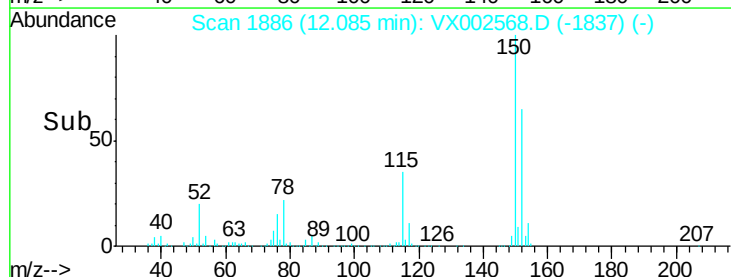
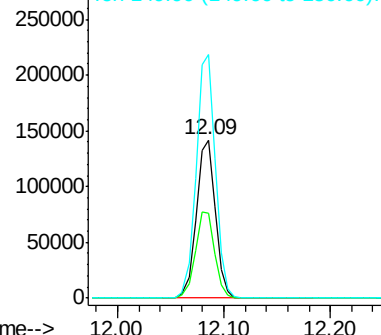
150 155.4 0.0 347.2

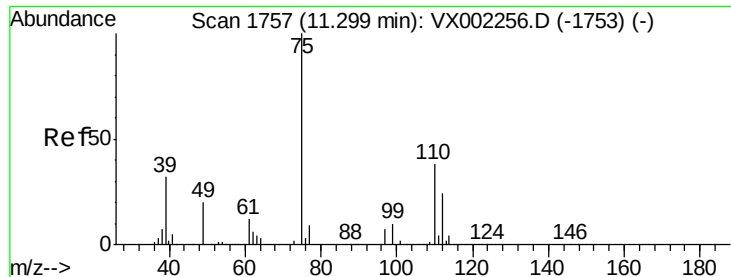


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

Instrument :

MSVOA_X

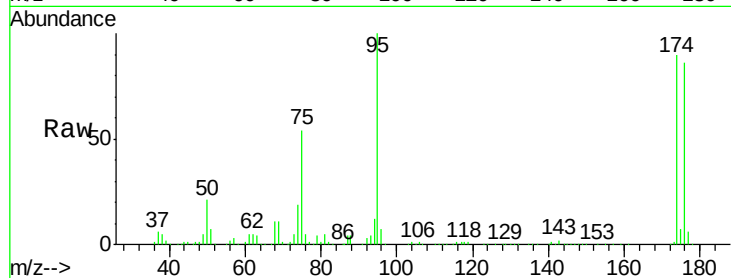
ClientSampled :

Tot Ion: 75 Resp: 99052

Ion Ratio Lower Upper

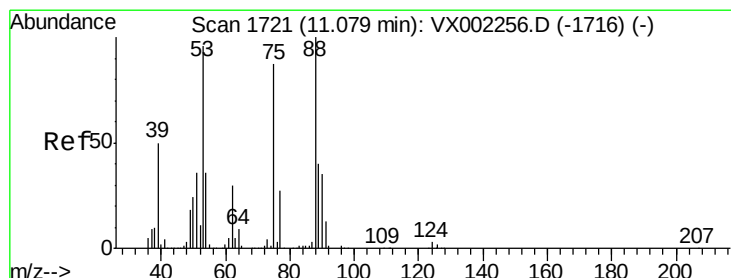
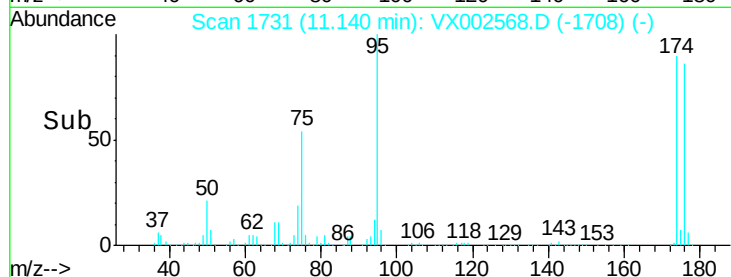
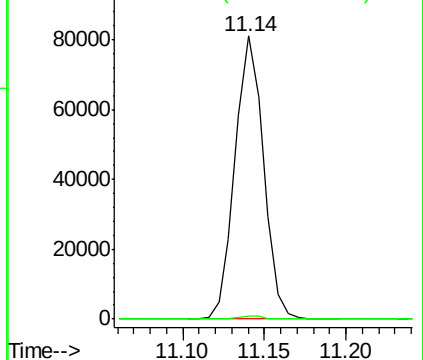
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 89.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002568.D

Acq: 14 Jun 2018 23:24

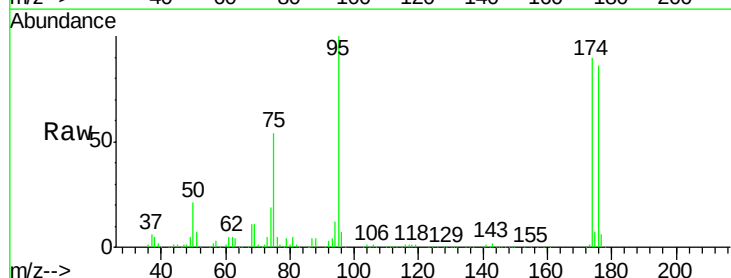
Tgt Ion: 75 Resp: 99052

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

