

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\
 Data File : VX002470.D
 Acq On : 12 Jun 2018 16:51
 Operator : JC/MD
 Sample : J3402-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 01:26:25 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	207867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	308611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159435	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	170237	57.81	ug/l	0.00
Spiked Amount			Recovery	=	115.62%	
35) Dibromofluoromethane	5.51	113	128122	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
50) Toluene-d8	8.72	98	496961	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	11.14	95	172380	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

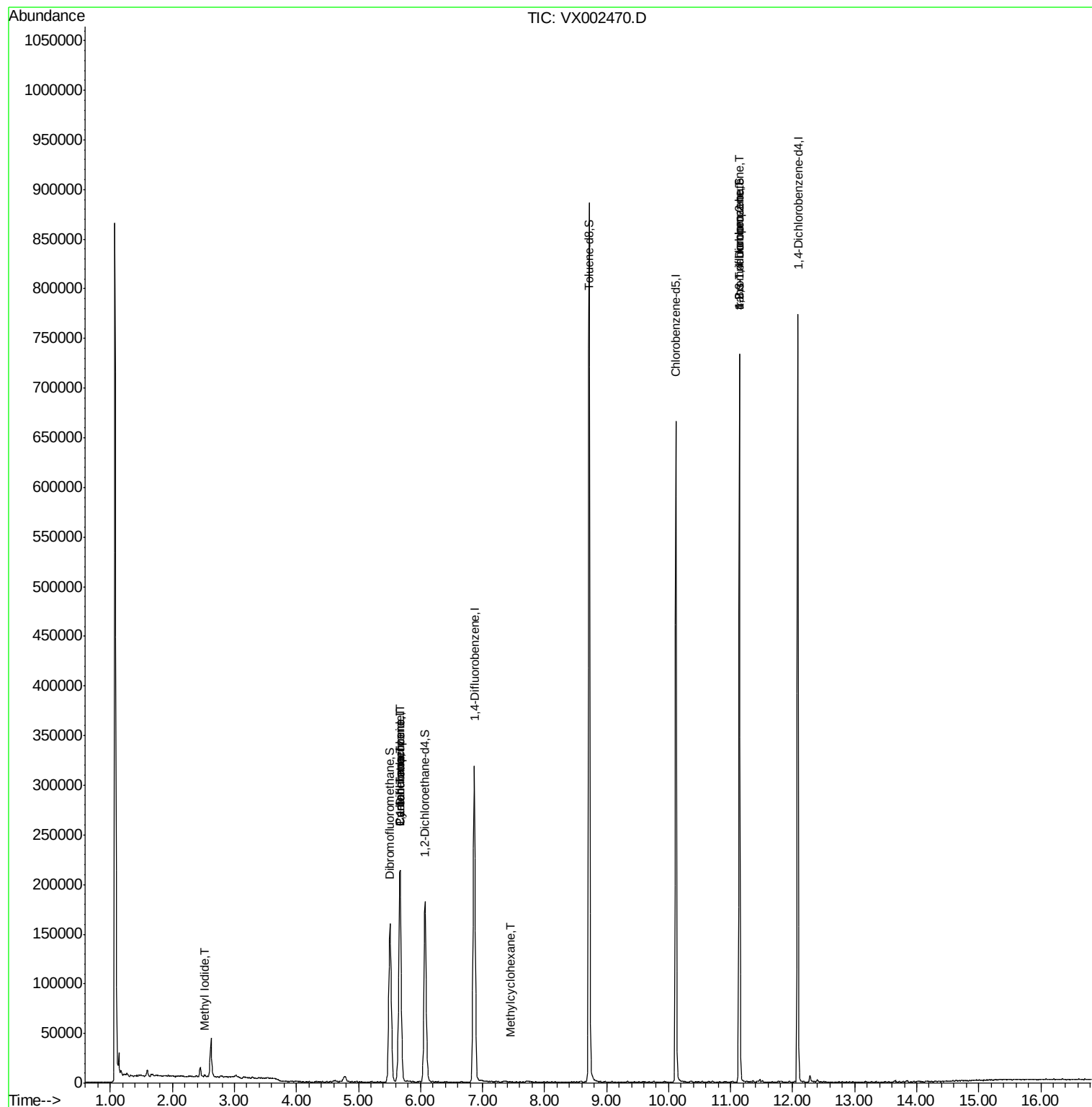
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	591	Below Cal		89
5) Bromomethane	1.66	94	1140	Below Cal		98
8) Diethyl Ether	1.98	74	96	Below Cal		83
10) Methyl Iodide	2.53	142	2027	0.64 ug/l		96
11) Tert butyl alcohol	3.07	59	239	Below Cal	#	80
13) Acrolein	2.29	56	275	Below Cal	#	68
15) Acrylonitrile	3.14	53	242	Below Cal	#	67
16) Acetone	2.45	43	10847	Below Cal		94
18) Methyl Acetate	2.79	43	1031	Below Cal	#	67
19) Methyl tert-butyl Ether	3.21	73	51	Below Cal	#	54
20) Methylene Chloride	2.86	84	271	Below Cal	#	80
22) Diisopropyl ether	3.87	45	176	Below Cal	#	35
28) Bromochloromethane	5.00	49	41	Below Cal	#	13
31) Cyclohexane	5.67	56	4926	1.31 ug/l	#	8
36) 1,1-Dichloropropene	5.67	75	15302	4.72 ug/l	#	51
38) Carbon Tetrachloride	5.67	117	19685	5.80 ug/l	#	16
39) Methylcyclohexane	7.46	83	93	0.29 ug/l		93
76) 1,2,3-Trichloropropane	11.14	75	94475	27.01 ug/l	#	32
81) trans-1,4-Dichloro-2-buten	11.14	75	94475	94.66 ug/l	#	7

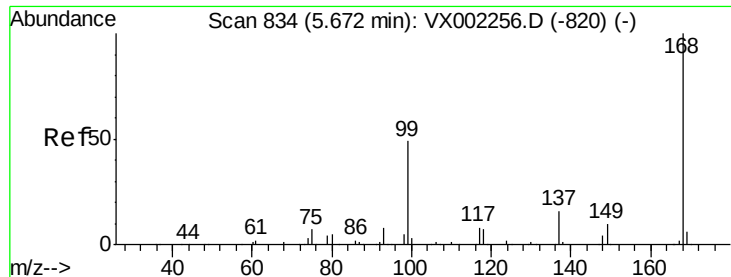
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061218\
Data File : VX002470.D
Acq On : 12 Jun 2018 16:51
Operator : JC/MD
Sample : J3402-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 13 01:26:25 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: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :

MSVOA_X

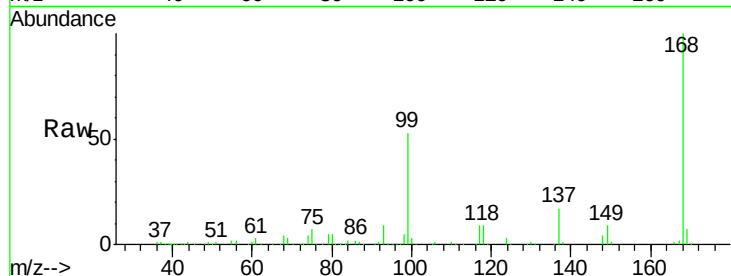
ClientSampleId :

Tot Ion:168 Resp: 207867

Ion Ratio Lower Upper

168 100

99 52.6 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

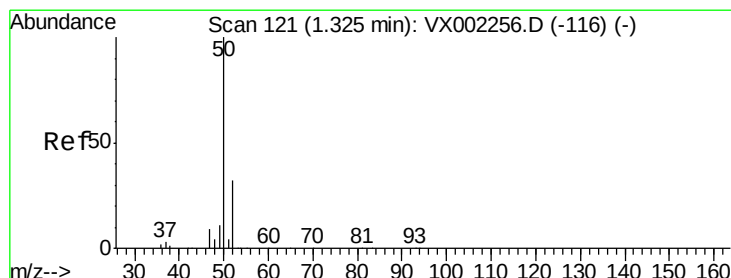
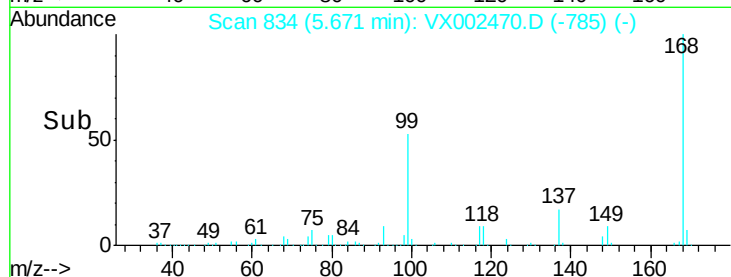
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002470.D

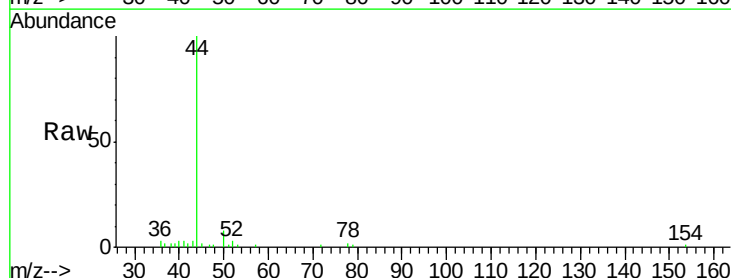
Acq: 12 Jun 2018 16:51

Tgt Ion: 50 Resp: 591

Ion Ratio Lower Upper

50 100

52 38.4 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

400

300

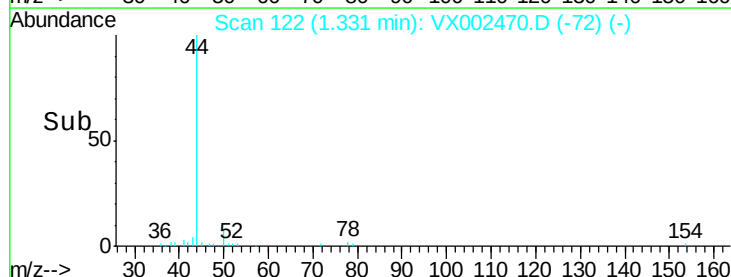
200

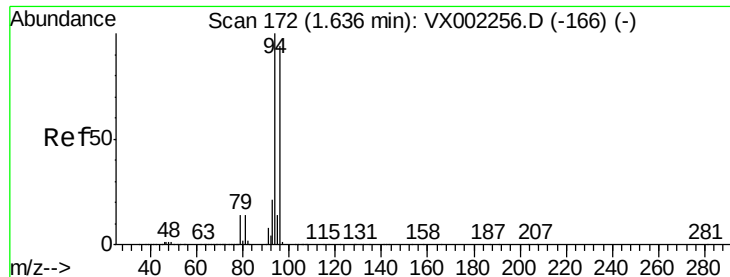
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :

MSVOA_X

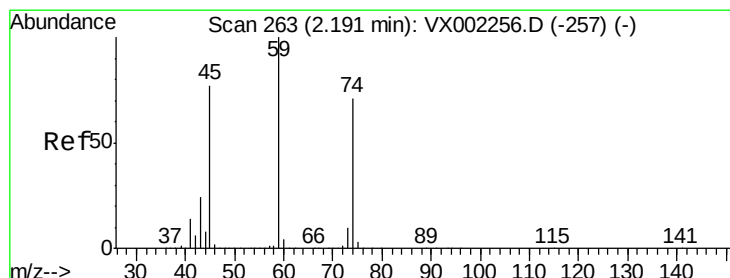
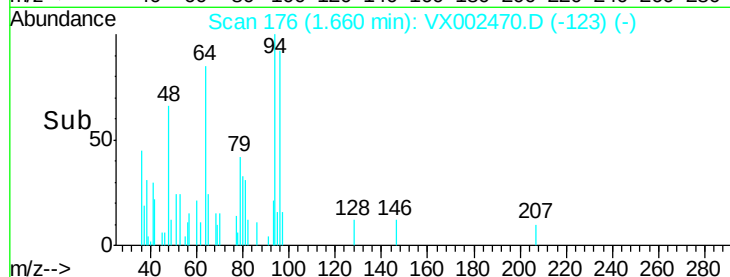
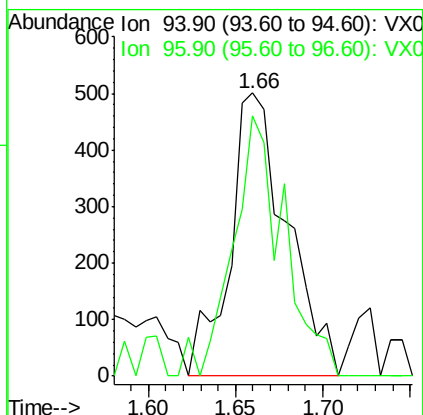
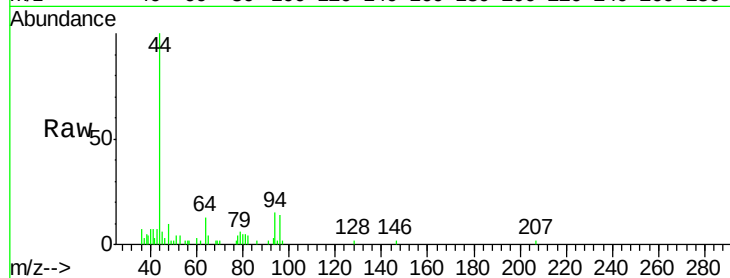
ClientSampled :

Tot Ion: 94 Resp: 1140

Ion Ratio Lower Upper

94 100

96 92.0 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 1.98 min Scan# 229

Delta R.T. -0.21 min

Lab File: VX002470.D

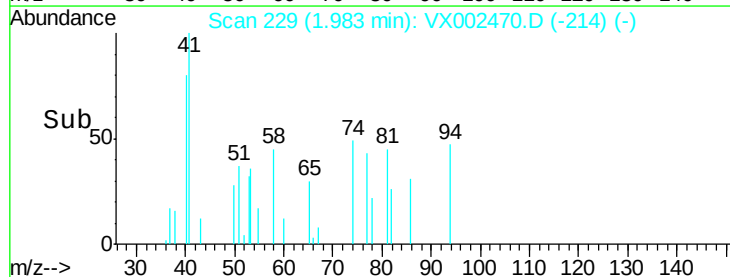
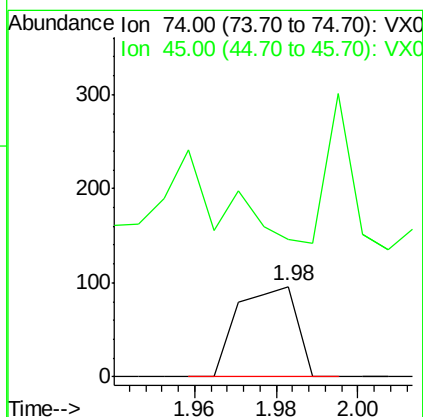
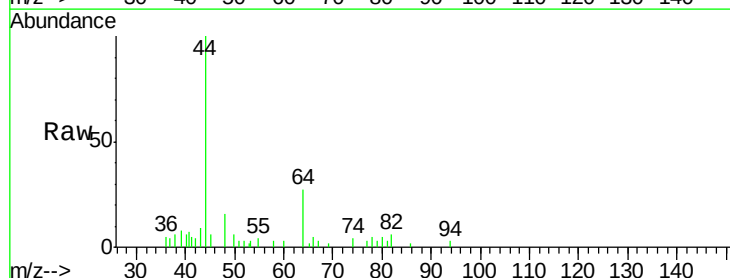
Acq: 12 Jun 2018 16:51

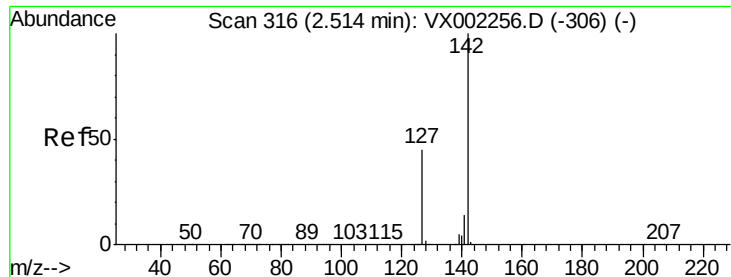
Tgt Ion: 74 Resp: 96

Ion Ratio Lower Upper

74 100

45 124.0 53.1 159.4

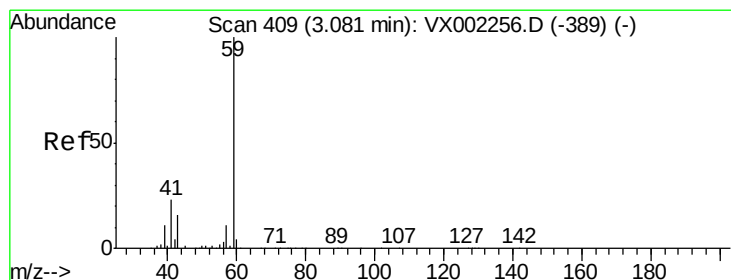
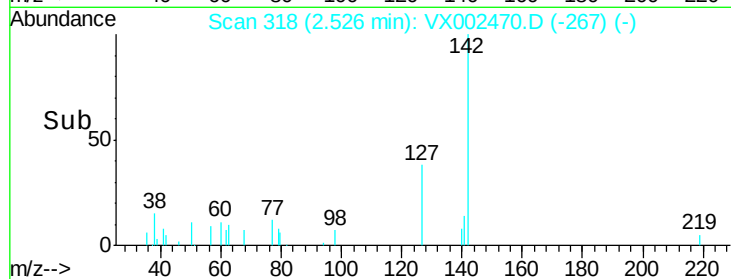
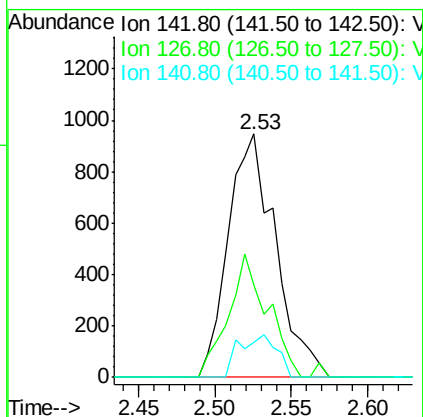
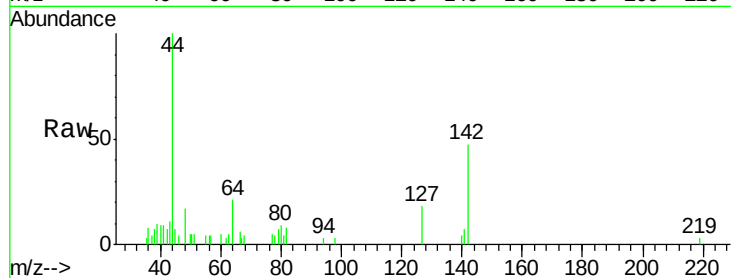




#10
Methyl Iodide
Concen: 0.64 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

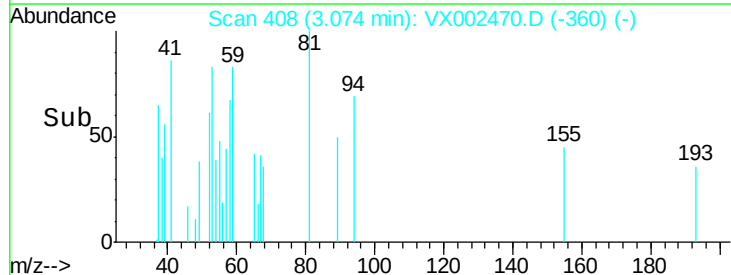
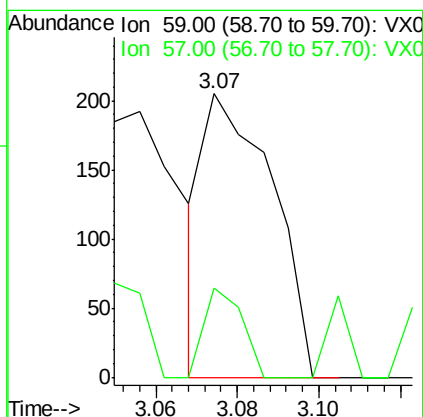
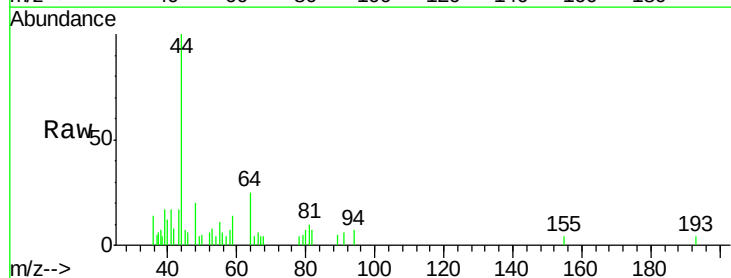
Instrument :
MSVOA_X
ClientSampleId :

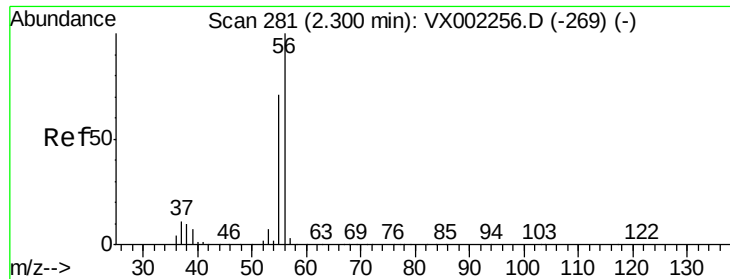
Tot Ion:142 Resp: 2027
Ion Ratio Lower Upper
142 100
127 42.2 36.6 55.0
141 13.9 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
57 17.6 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :

MSVOA_X

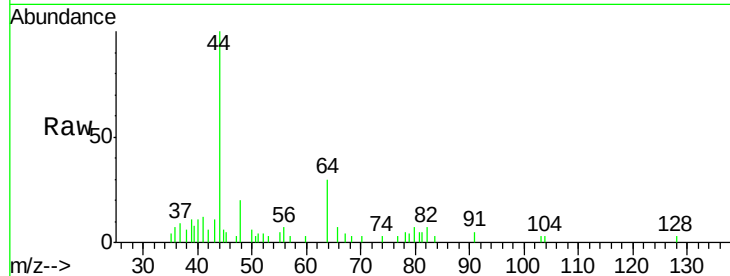
ClientSampled :

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

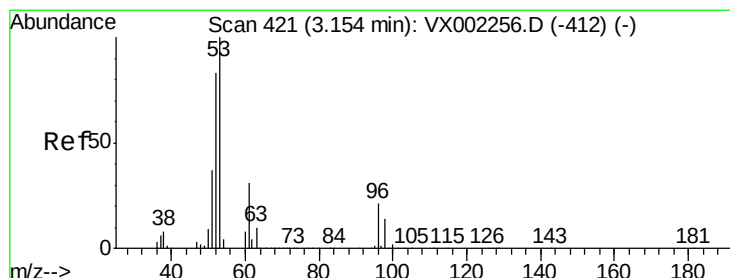
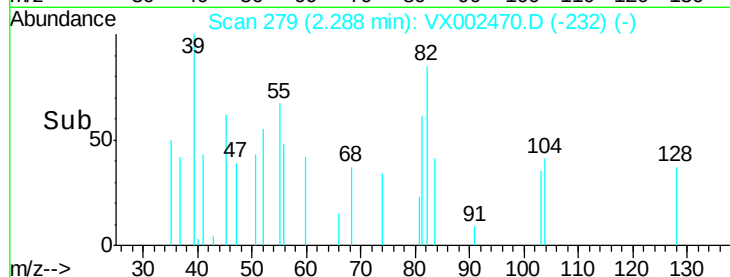
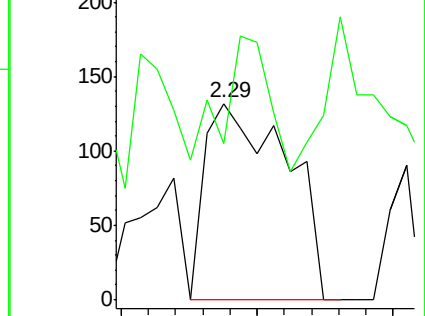
56 100

55 45.1 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 418

Delta R.T. -0.02 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

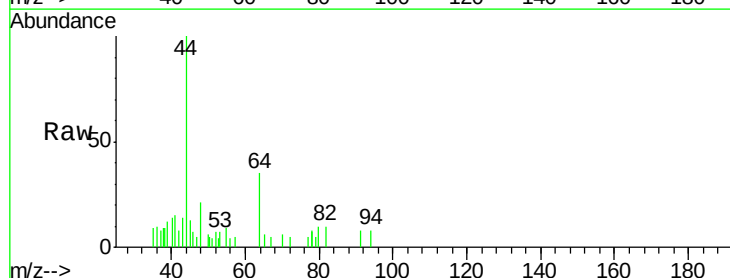
Tgt Ion: 53 Resp: 242

Ion Ratio Lower Upper

53 100

52 48.8 66.7 100.1#

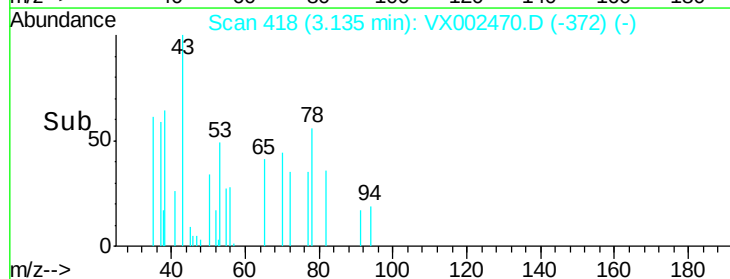
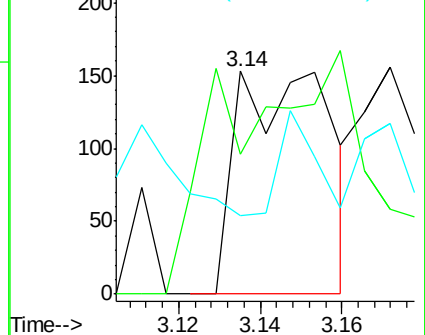
51 50.8 29.9 44.9#

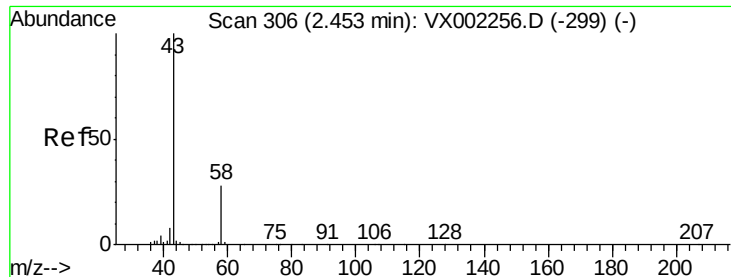


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :

MSVOA_X

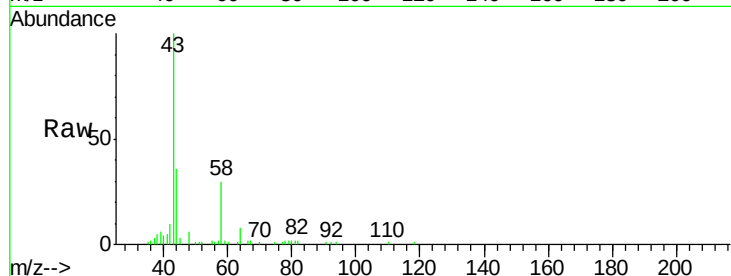
ClientSampleId :

Tot Ion: 43 Resp: 10847

Ion Ratio Lower Upper

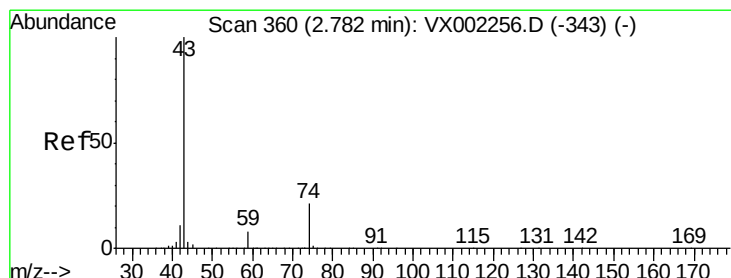
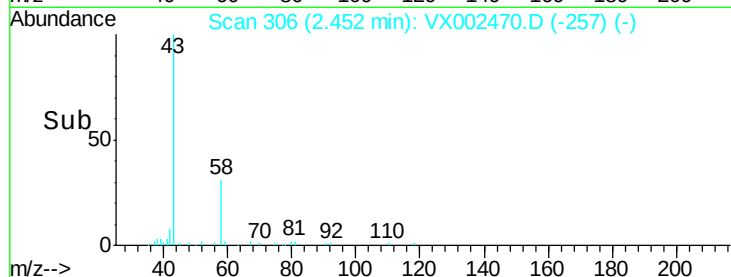
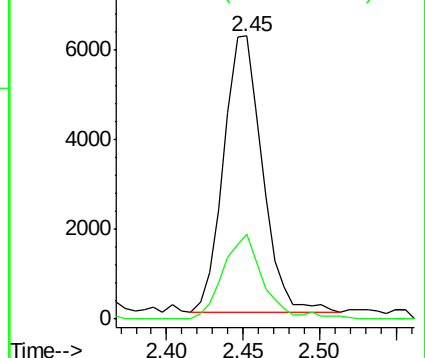
43 100

58 30.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002470.D

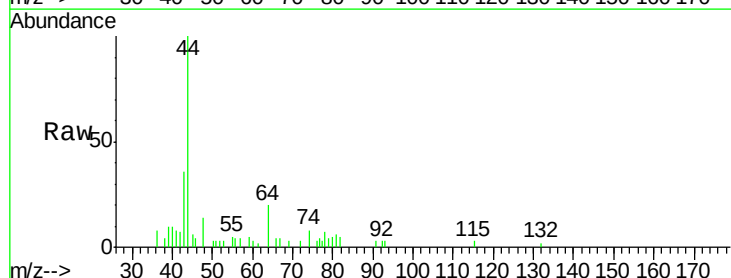
Acq: 12 Jun 2018 16:51

Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

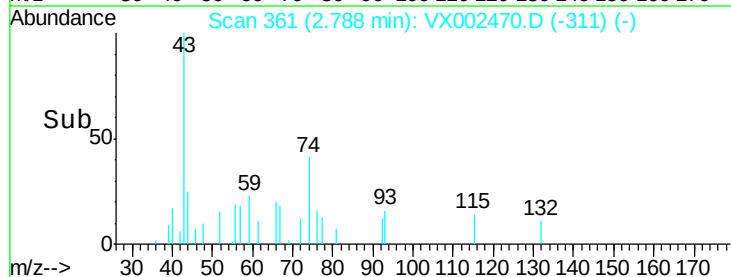
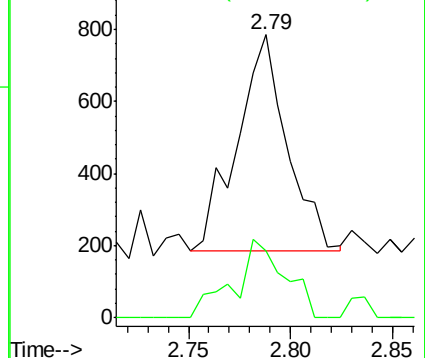
43 100

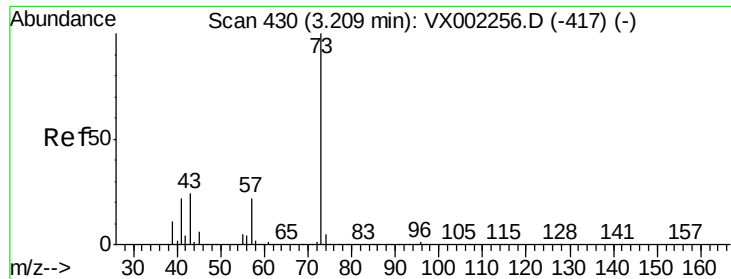
74 36.3 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

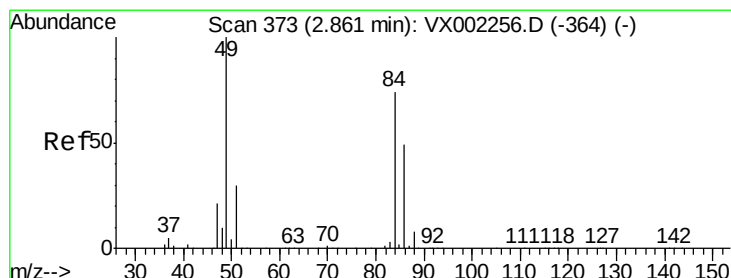
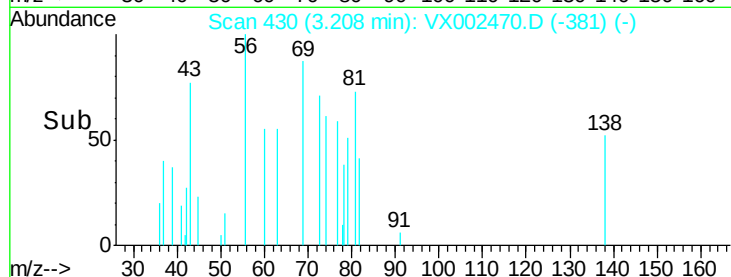
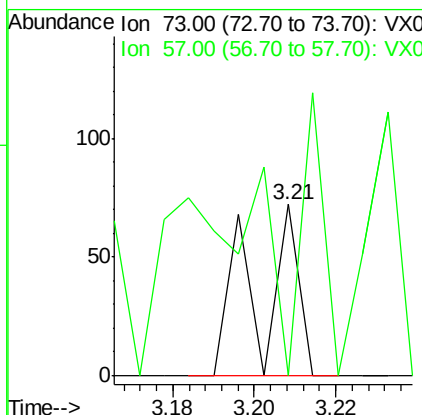
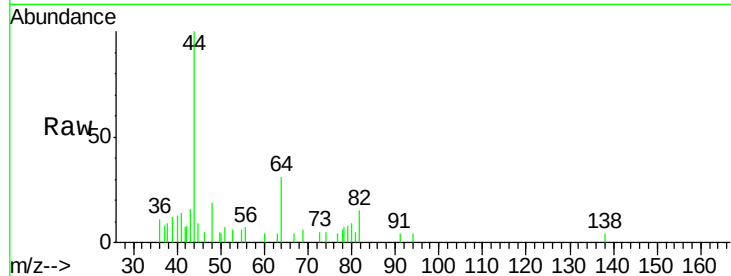




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

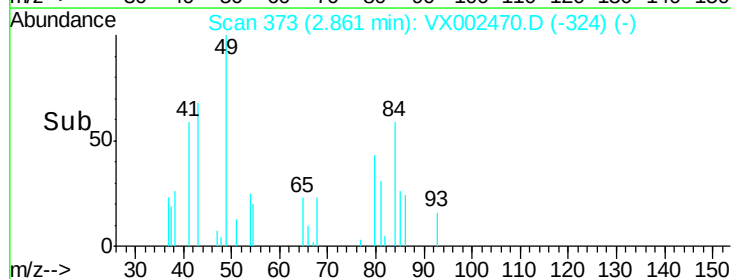
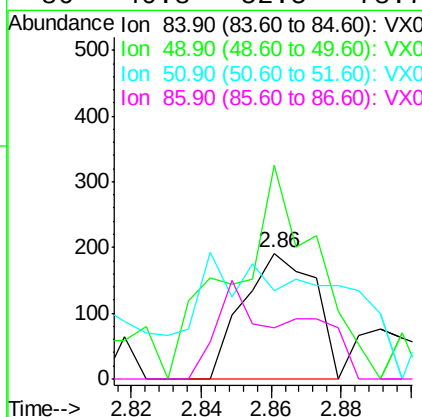
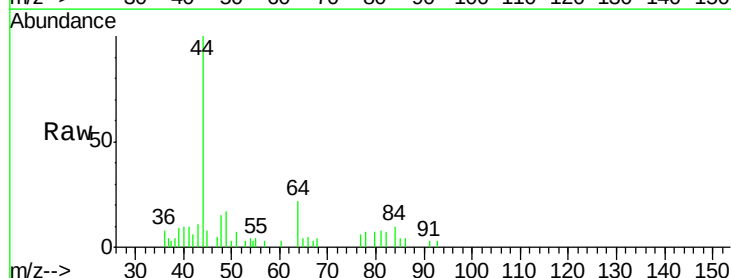
Instrument :
MSVOA_X
ClientSampled :

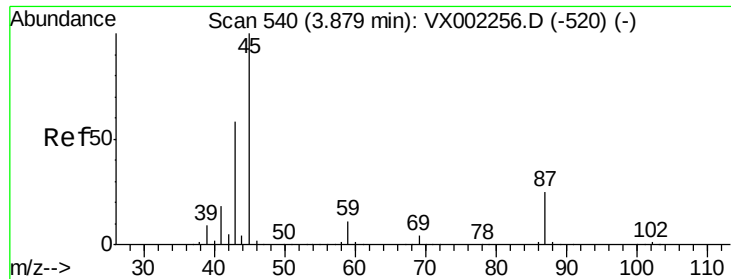
Tot Ion: 73 Resp: 51
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Tgt Ion: 84 Resp: 271
Ion Ratio Lower Upper
84 100
49 116.2 107.8 161.6
51 30.4 32.8 49.2#
86 40.8 52.5 78.7#



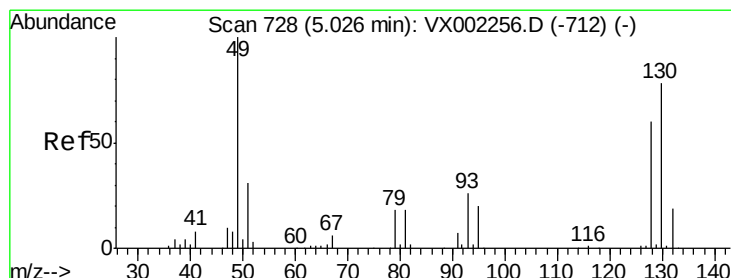
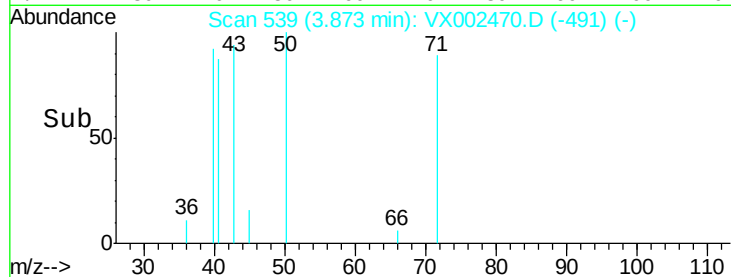
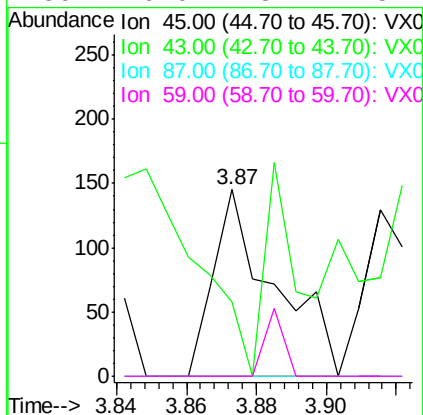
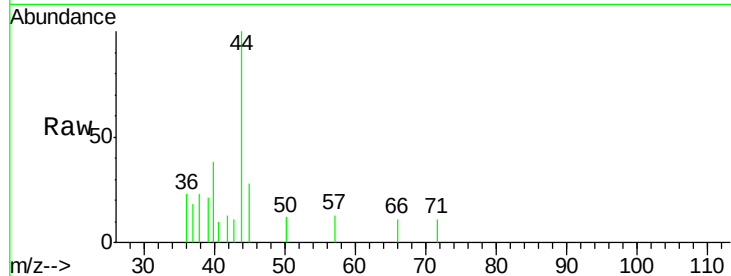


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Instrument :
MSVOA_X
ClientSampled :

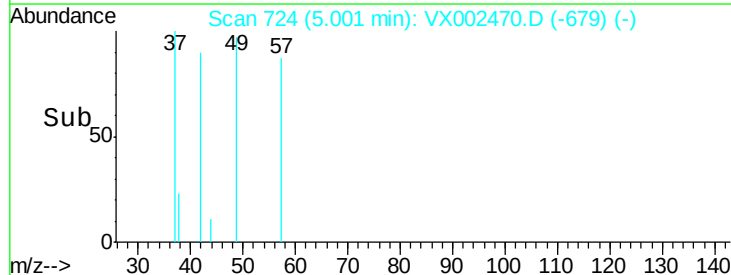
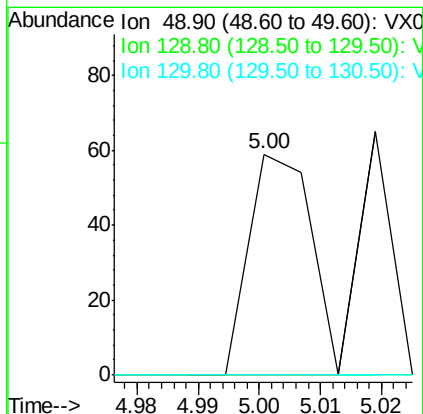
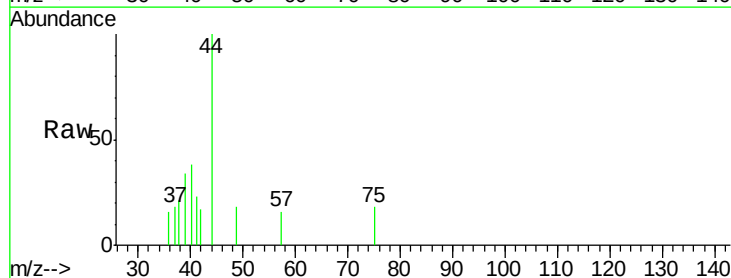
Tot Ion:	45	Resp:	176
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

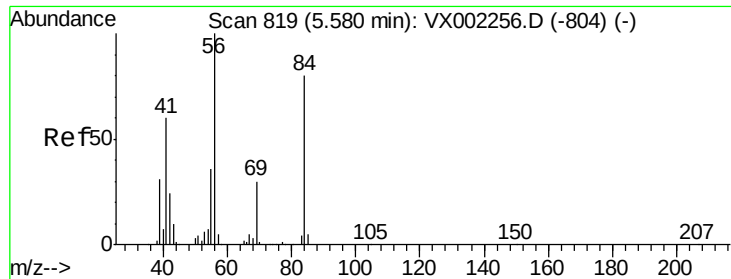


#28

Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 724
Delta R.T. -0.02 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Tgt Ion:	49	Resp:	41
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#

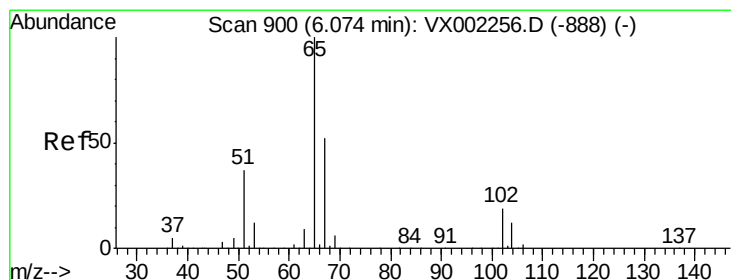
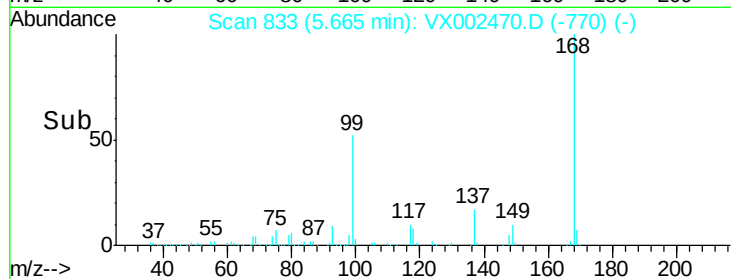
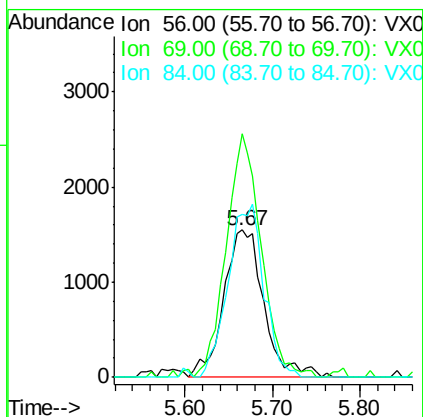
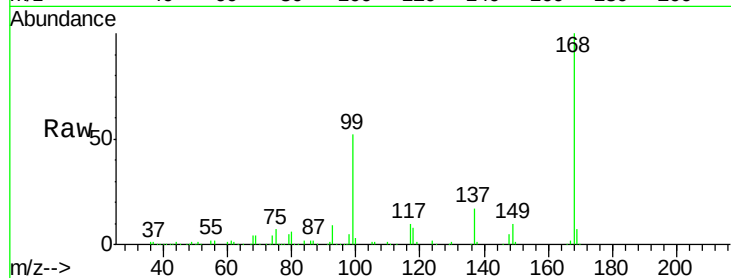




#31
Cyclohexane
Concen: 1.31 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

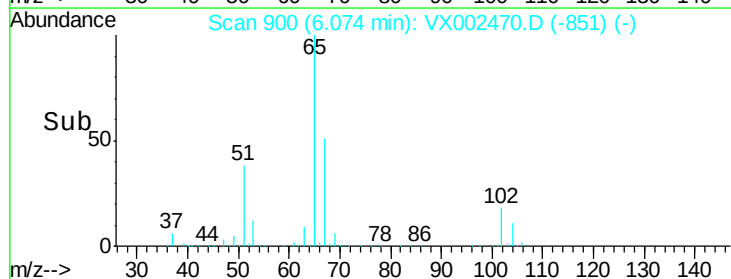
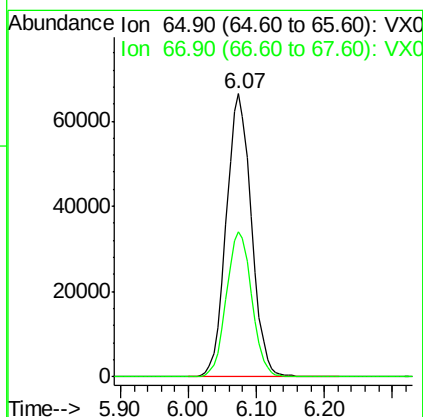
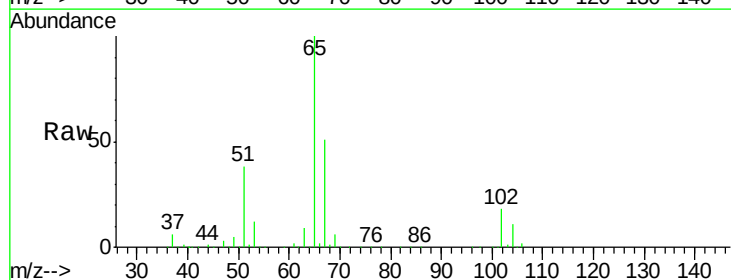
Instrument :
MSVOA_X
ClientSampled :

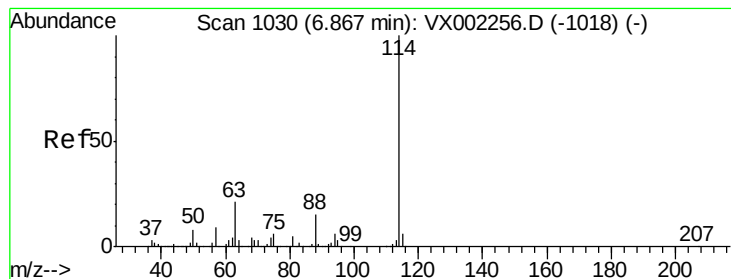
Tot Ion: 56 Resp: 4926
Ion Ratio Lower Upper
56 100
69 161.3 23.7 35.5#
84 111.0 64.1 96.1#



#33
1,2-Dichloroethane-d4
Concen: 57.81 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Tgt Ion: 65 Resp: 170237
Ion Ratio Lower Upper
65 100
67 51.9 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: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :
MSVOA_X
ClientSampleId :

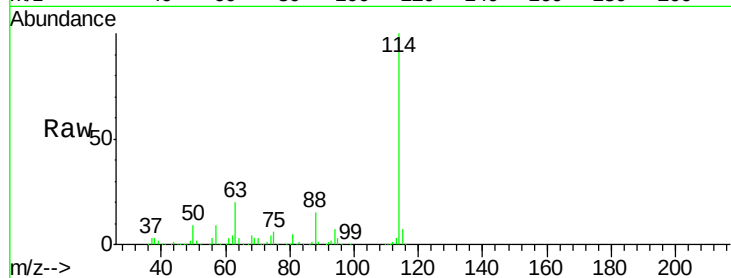
Tot Ion:114 Resp: 308611

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

88 15.3 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

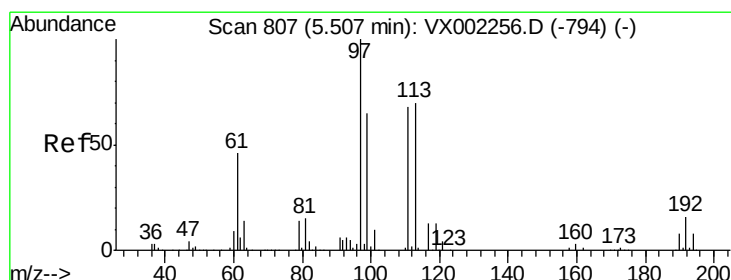
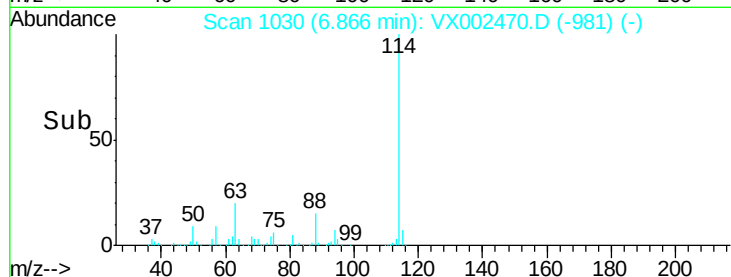
150000

6.87

100000

50000

Time--> 6.70 6.80 6.90 7.00



#35

Dibromofluoromethane

Concen: 52.79 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

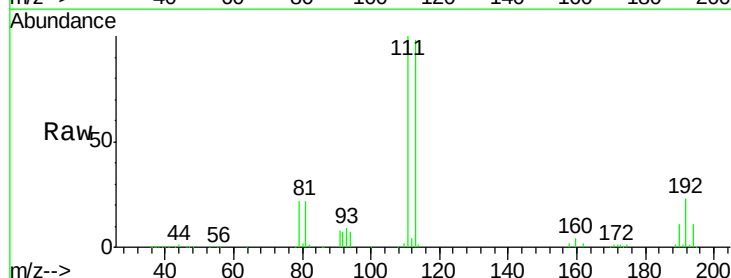
Tgt Ion:113 Resp: 128122

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 23.4 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

60000

5.51

50000

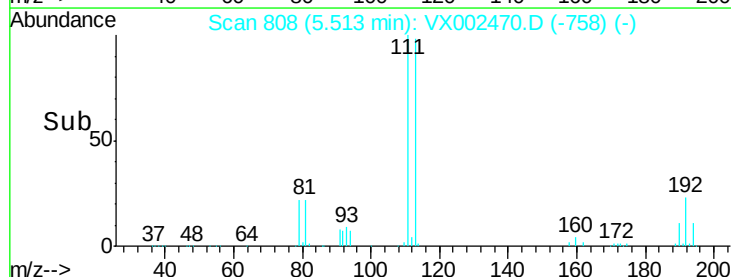
40000

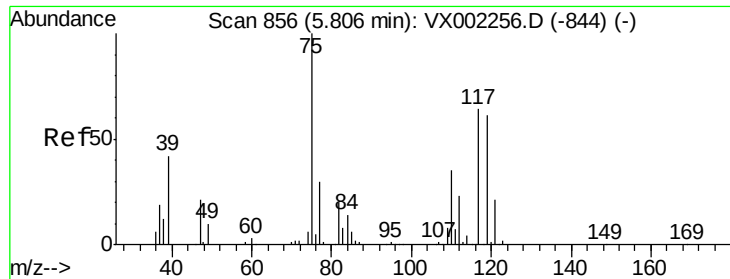
30000

20000

10000

Time--> 5.40 5.50 5.60





#36

1,1-Dichloropropene

Concen: 4.72 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

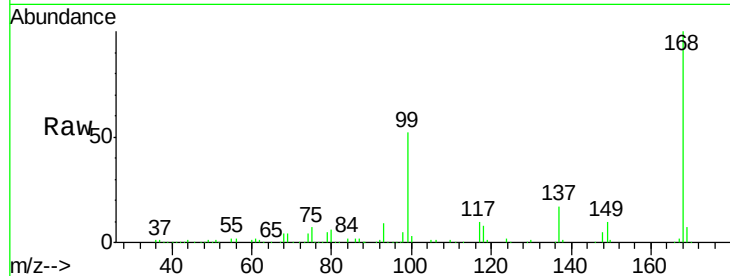
Tot Ion: 75 Resp: 15302

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.4#

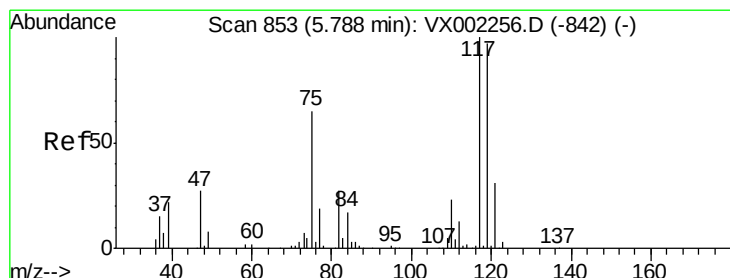
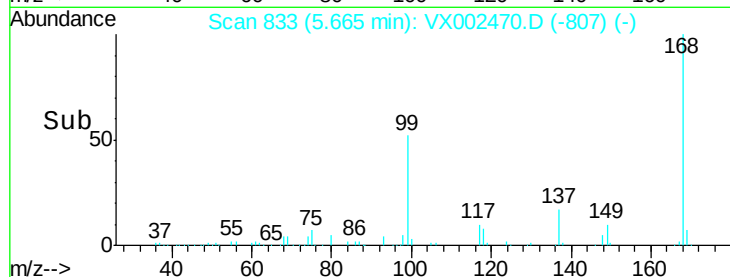
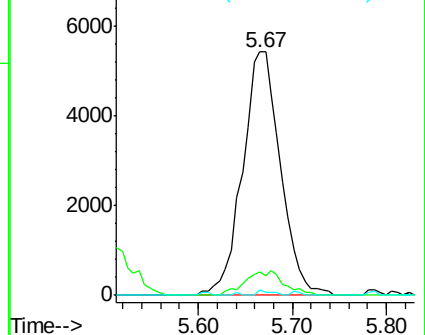
77 0.8 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX002256.D (-844) (-)

Ion 109.90 (109.60 to 110.60): VX002256.D (-844) (-)

Ion 76.90 (76.60 to 77.60): VX002256.D (-844) (-)



#38

Carbon Tetrachloride

Concen: 5.80 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

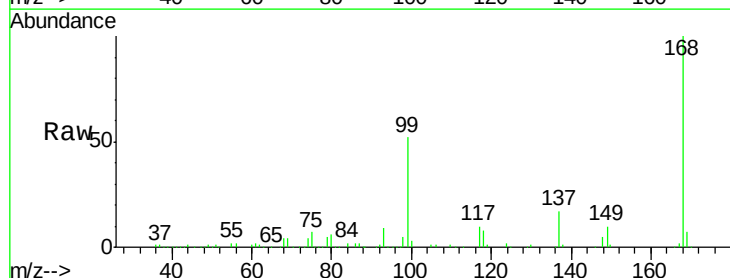
Tgt Ion: 117 Resp: 19685

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

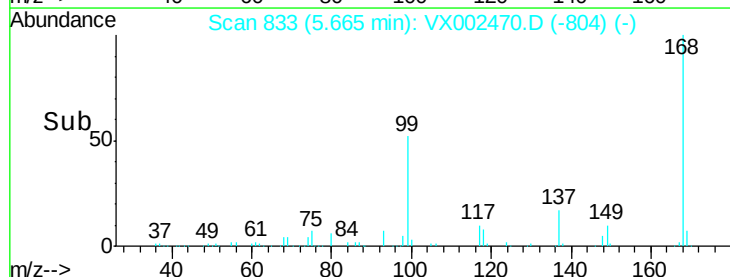
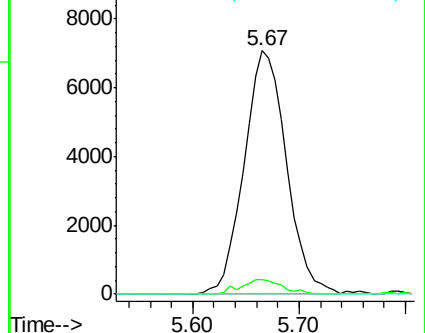
121 0.0 24.4 36.6#

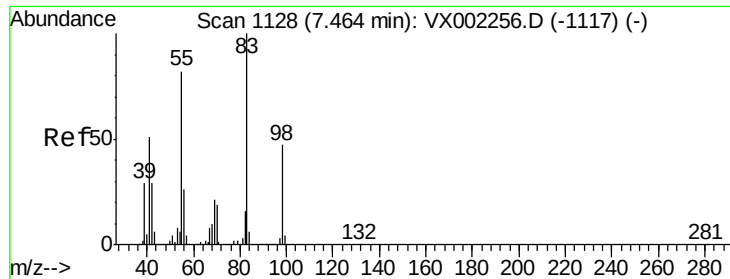


Abundance Ion 116.80 (116.50 to 117.50): VX002256.D (-842) (-)

Ion 118.80 (118.50 to 119.50): VX002256.D (-842) (-)

Ion 120.80 (120.50 to 121.50): VX002256.D (-842) (-)

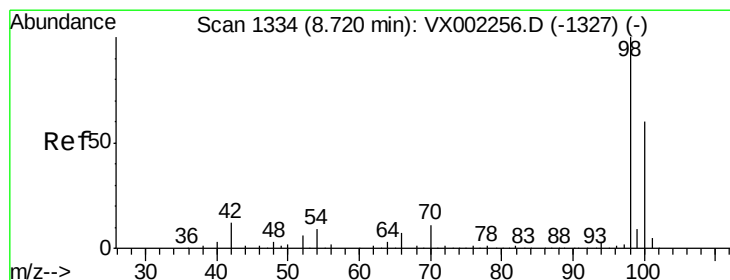
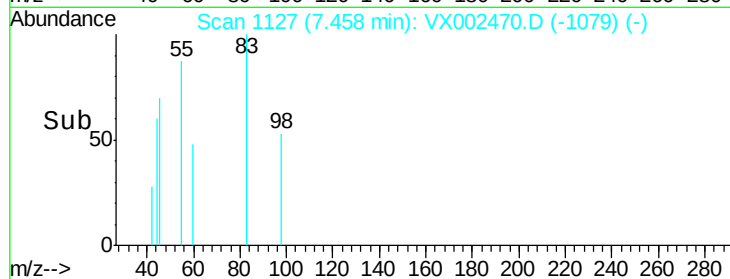
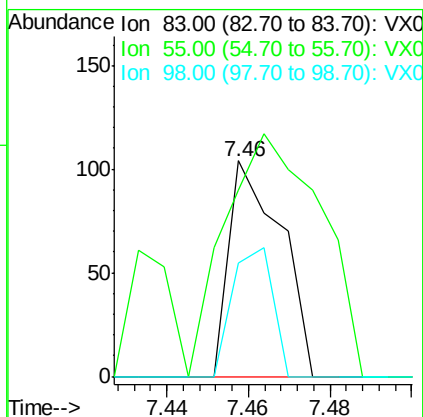
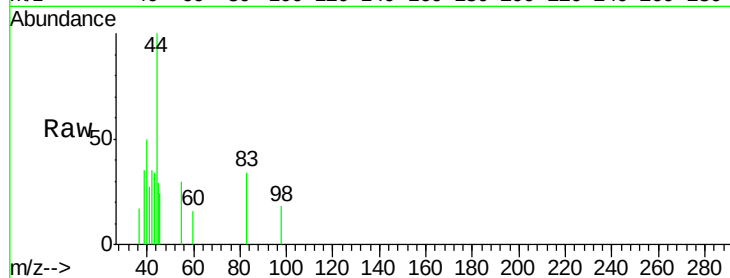




#39
Methylvlcyclohexane
Concen: 0.29 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

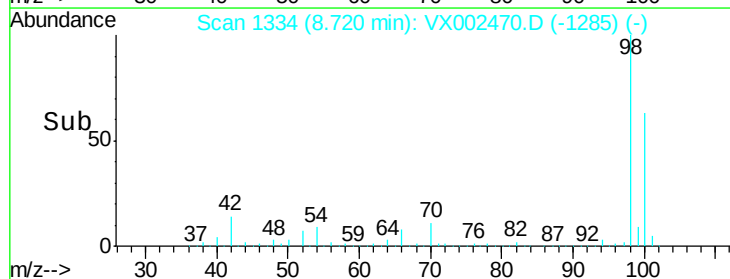
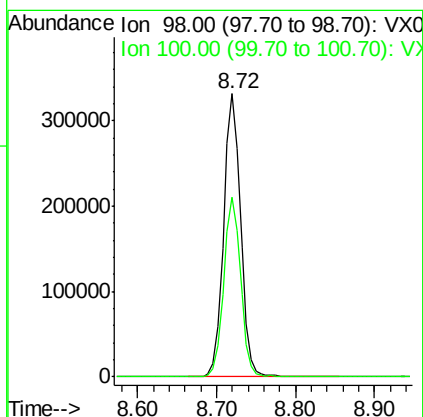
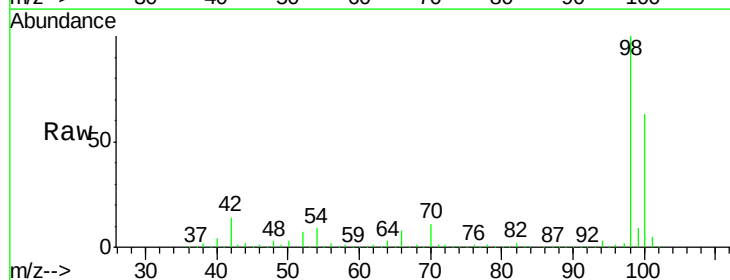
Instrument :
MSVOA_X
ClientSampleId :

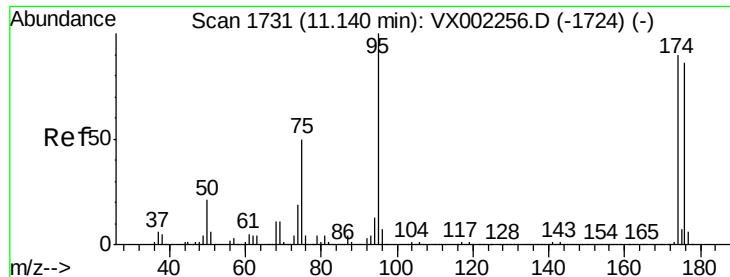
Tot Ion: 83 Resp: 93
Ion Ratio Lower Upper
83 100
55 86.5 65.4 98.0
98 52.9 37.4 56.0



#50
Toluene-d8
Concen: 53.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Tgt Ion: 98 Resp: 496961
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

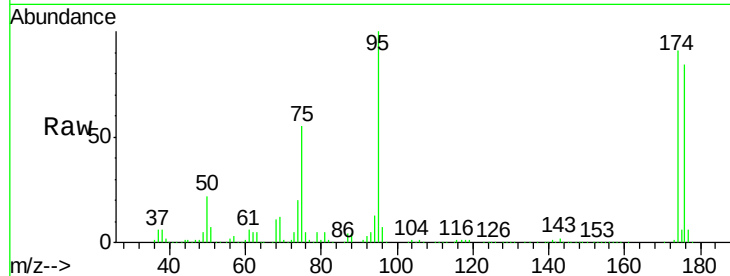




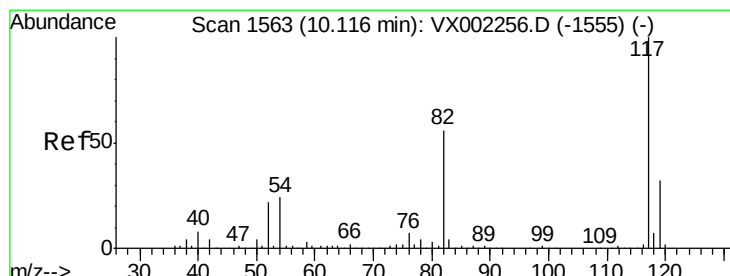
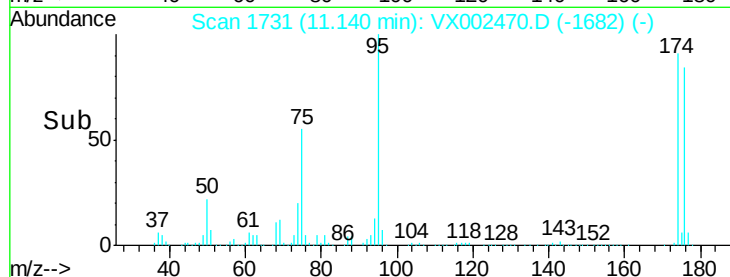
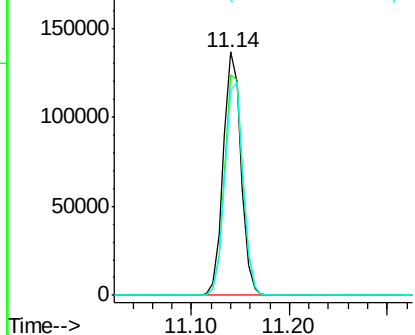
#62
4-Bromofluorobenzene
Concen: 48.06 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 172380
Ion Ratio Lower Upper
95 100
174 94.2 0.0 187.4
176 90.5 0.0 181.0

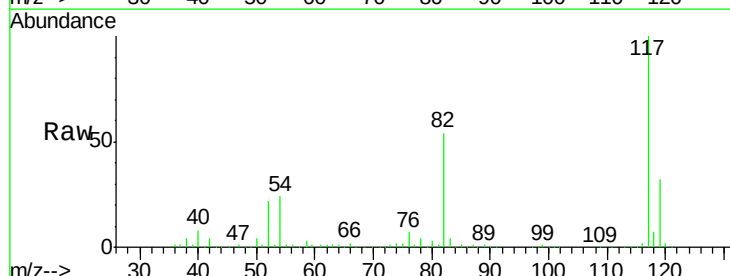


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

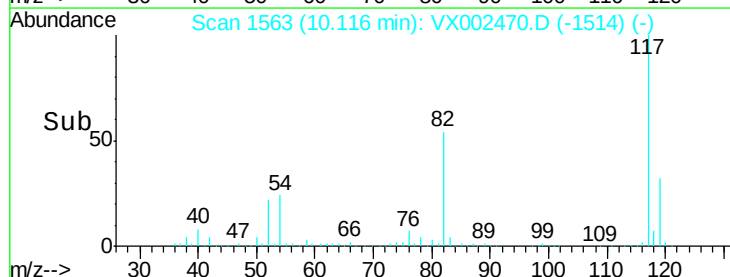
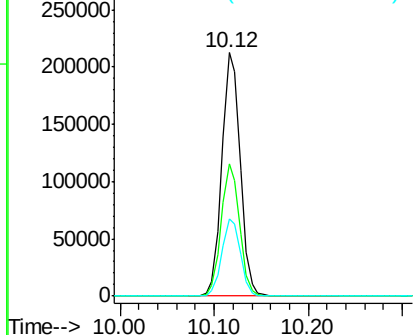


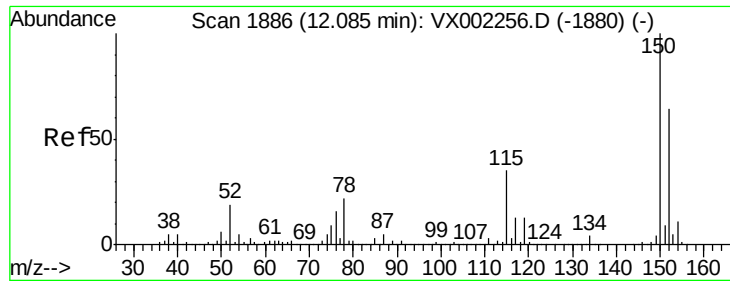
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002470.D
Acq: 12 Jun 2018 16:51

Tgt Ion: 117 Resp: 287998
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 31.7 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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

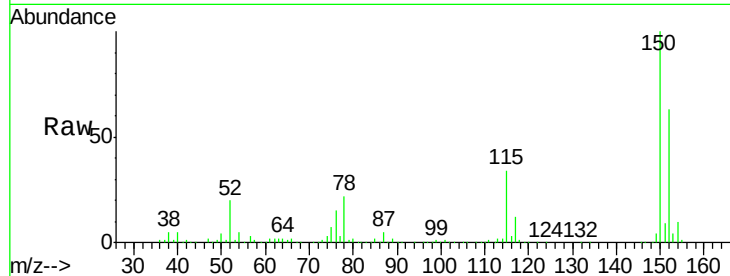
Tot Ion:152 Resp: 159435

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

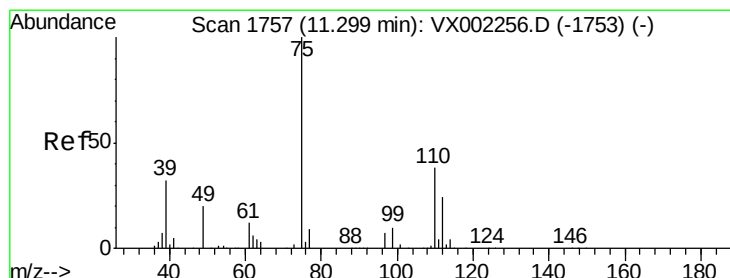
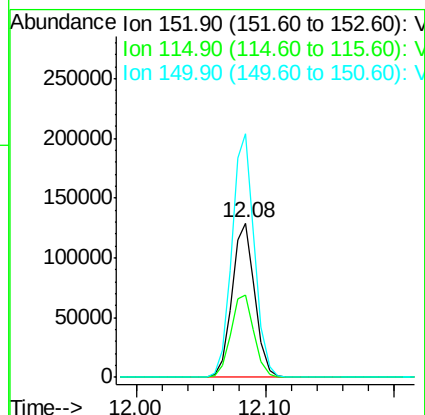
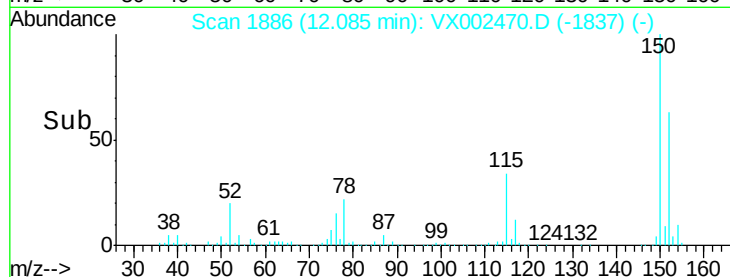
150 156.5 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002470.D

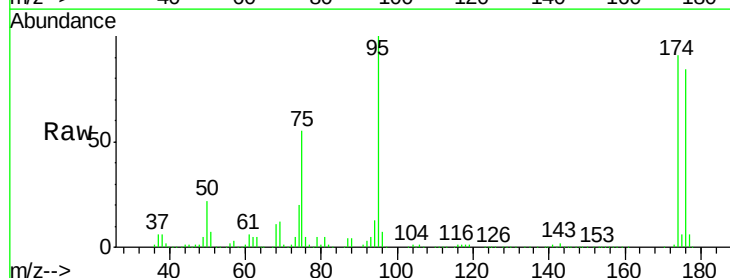
Acq: 12 Jun 2018 16:51

Tgt Ion: 75 Resp: 94475

Ion Ratio Lower Upper

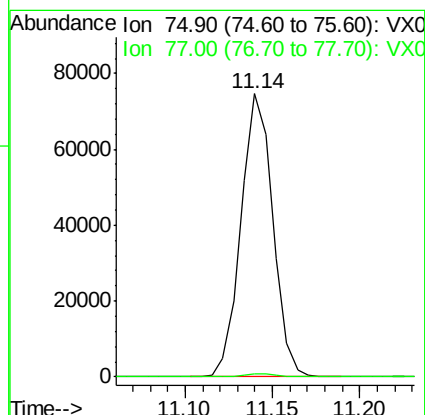
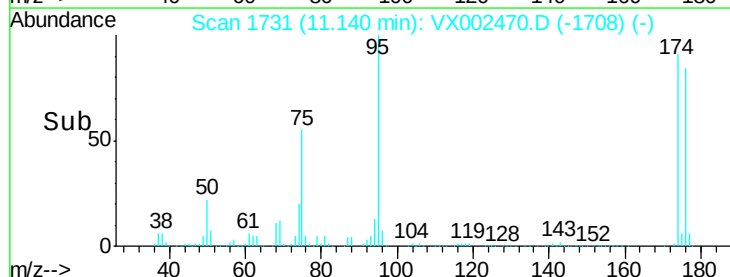
75 100

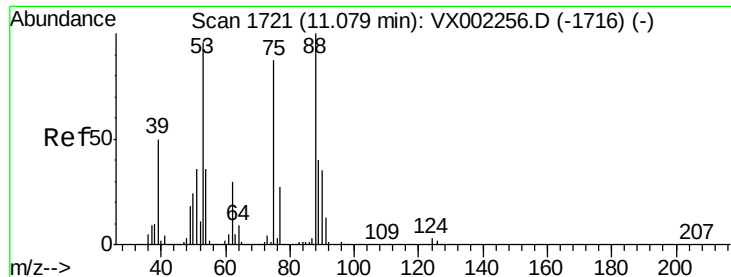
77 1.1 22.8 68.3#



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: 94.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002470.D

Acq: 12 Jun 2018 16:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 94475

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

