

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002272.D
 Acq On : 04 Jun 2018 20:34
 Operator : JC/MD
 Sample : J3234-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0060

Quant Time: Jun 05 05:01:56 2018
 Quant Method : Y:\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	269843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	397231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	221202	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	191536	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	5.51	113	139228	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
50) Toluene-d8	8.72	98	573779	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.14	95	212281	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

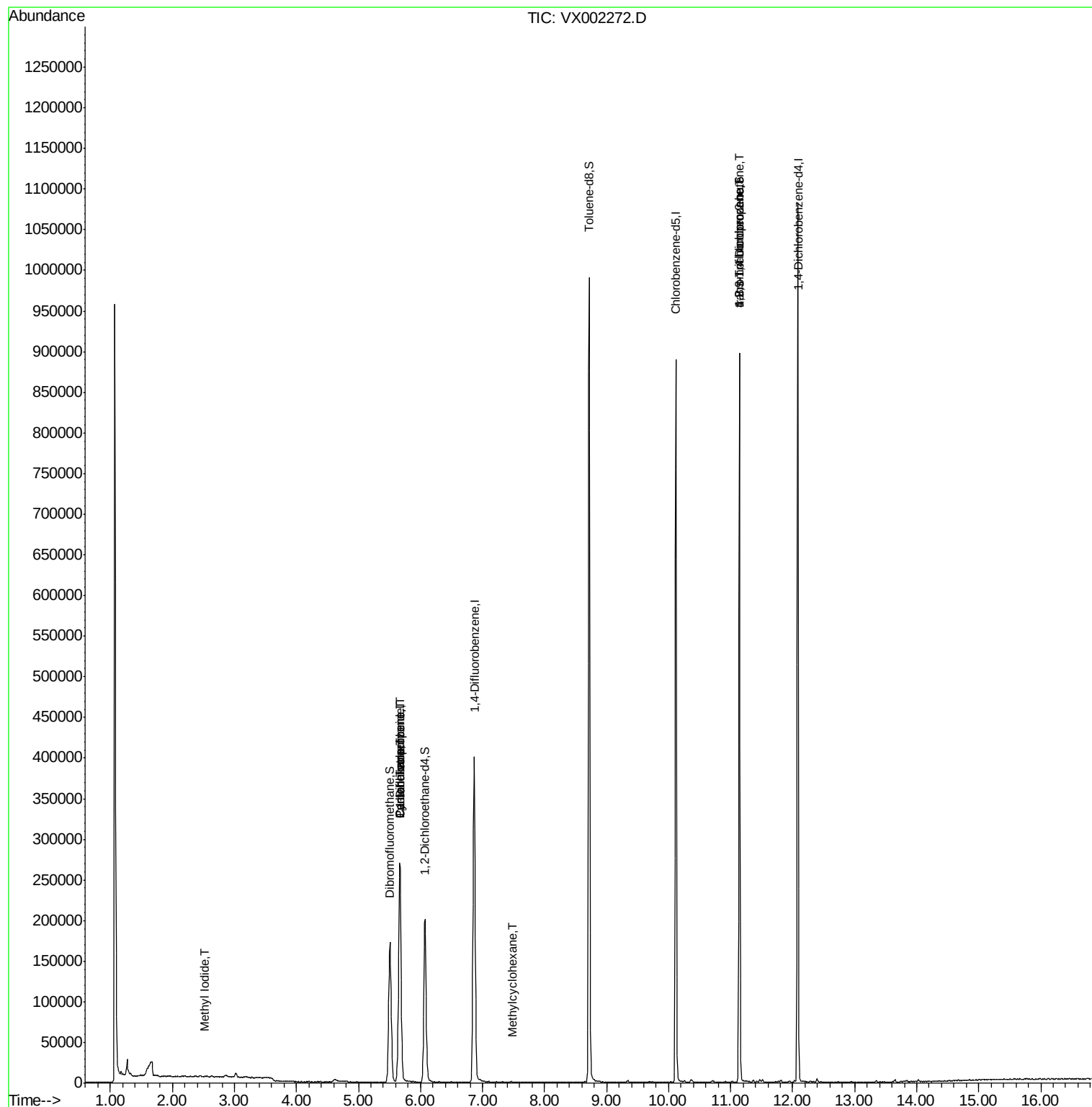
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	711	Below Cal		89
5) Bromomethane	1.64	94	1690	Below Cal		85
8) Diethyl Ether	2.19	74	111	Below Cal	#	1
10) Methyl Iodide	2.51	142	1585	0.39	ug/l	95
11) Tert butyl alcohol	3.10	59	365	Below Cal	#	73
13) Acrolein	2.31	56	152	Below Cal	#	59
15) Acrylonitrile	3.15	53	214	Below Cal	#	82
16) Acetone	2.45	43	1774	Below Cal		91
18) Methyl Acetate	2.78	43	361	Below Cal	#	62
19) Methyl tert-butyl Ether	3.21	73	594	Below Cal	#	1
20) Methylene Chloride	2.85	84	1017	Below Cal	#	81
22) Diisopropyl ether	3.87	45	121	Below Cal	#	49
28) Bromochloromethane	5.03	49	141	Below Cal	#	29
31) Cyclohexane	5.67	56	5964	1.22	ug/l	18
36) 1,1-Dichloropropene	5.67	75	19242	4.61	ug/l	50
38) Carbon Tetrachloride	5.67	117	24489	5.61	ug/l	15
39) Methylcyclohexane	7.48	83	150	0.29	ug/l	37
76) 1,2,3-Trichloropropane	11.14	75	112966	23.27	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	112966	81.58	ug/l	6

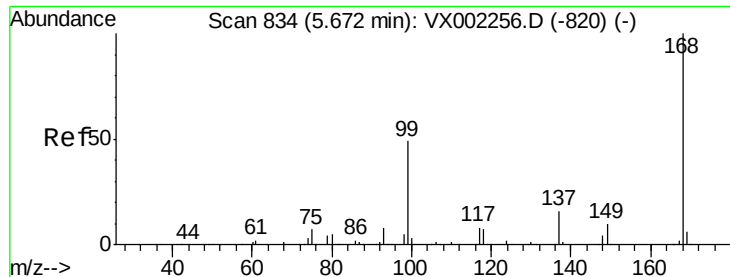
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060418\
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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: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampleId :

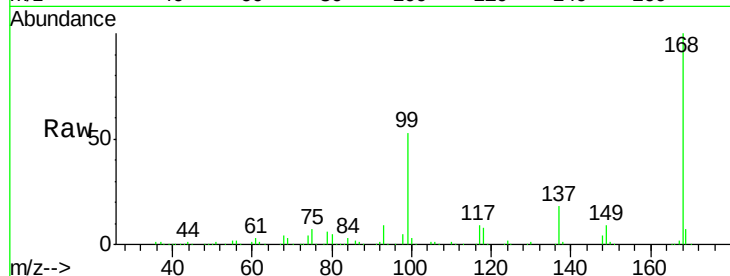
LF6-0060

Tot Ion:168 Resp: 269843

Ion Ratio Lower Upper

168 100

99 53.1 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

100000

80000

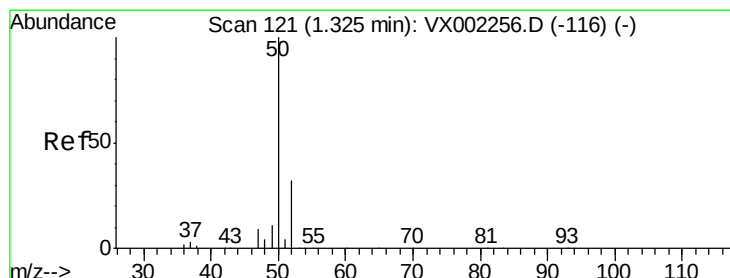
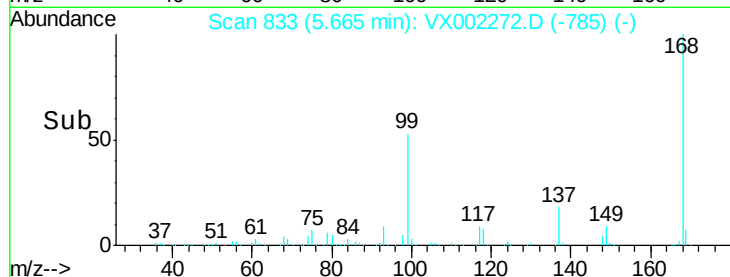
60000

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: VX002272.D

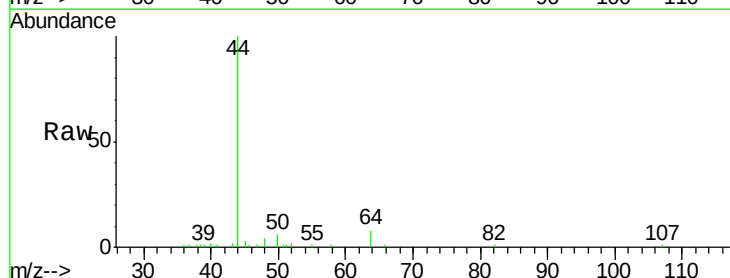
Acq: 04 Jun 2018 20:34

Tgt Ion: 50 Resp: 711

Ion Ratio Lower Upper

50 100

52 38.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

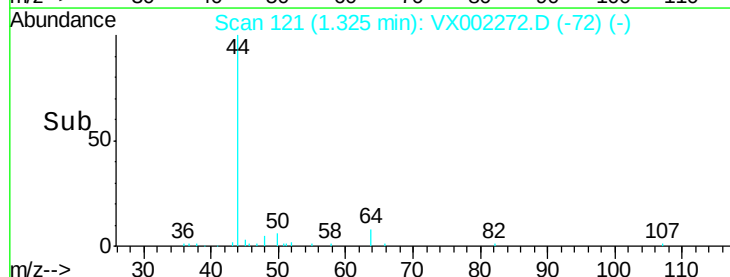
300

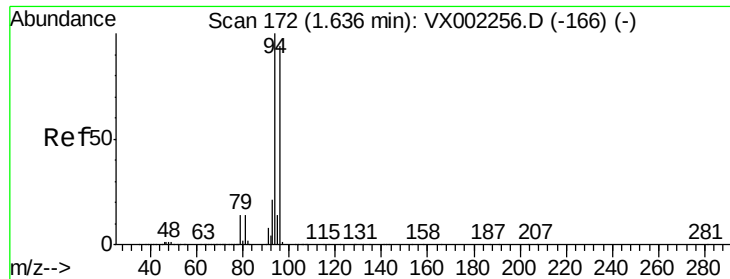
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampled :

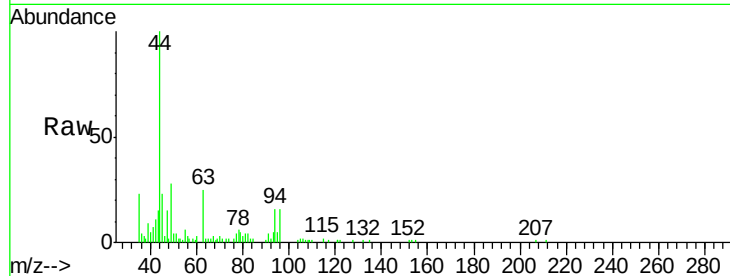
LF6-0060

Tot Ion: 94 Resp: 1690

Ion Ratio Lower Upper

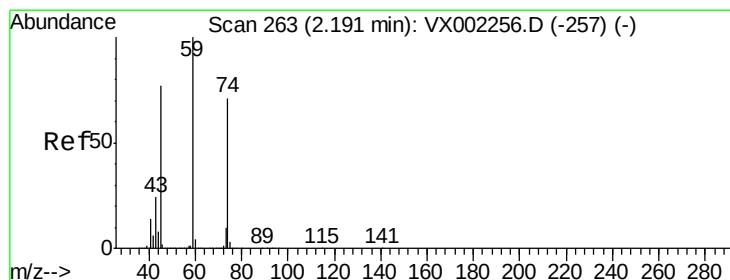
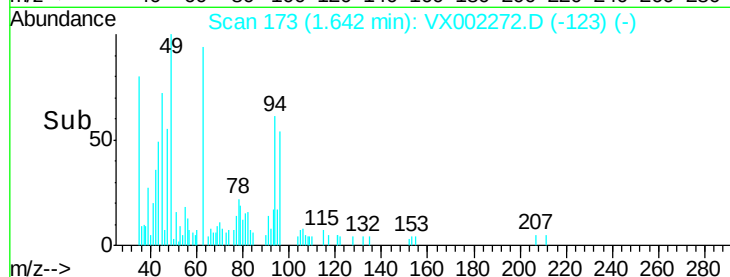
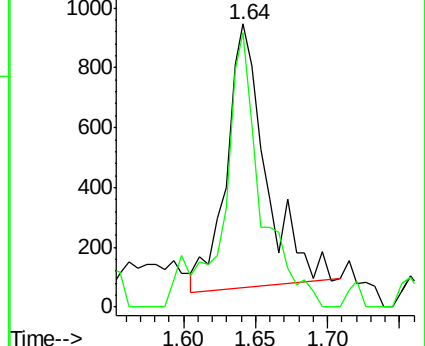
94 100

96 107.6 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: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX002272.D

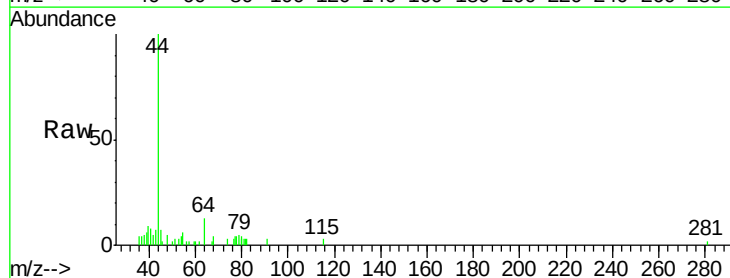
Acq: 04 Jun 2018 20:34

Tgt Ion: 74 Resp: 111

Ion Ratio Lower Upper

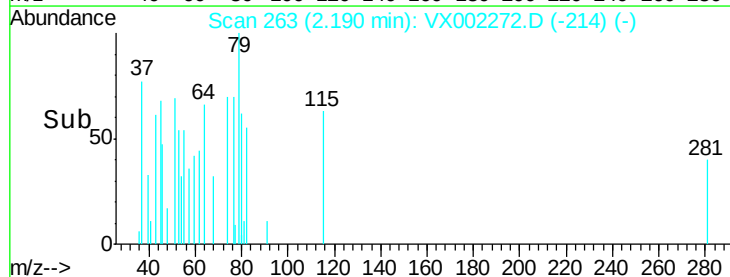
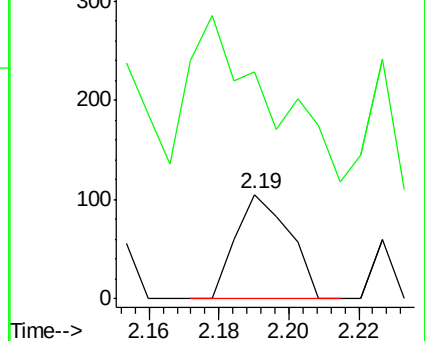
74 100

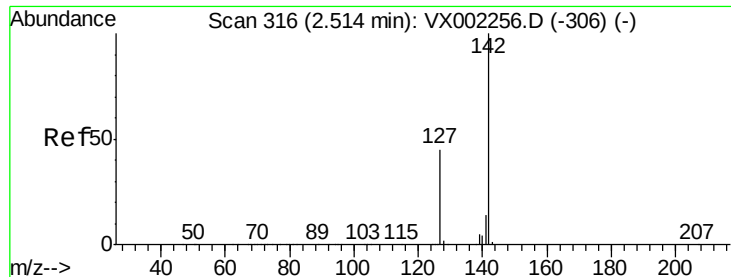
45 228.8 53.1 159.4#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

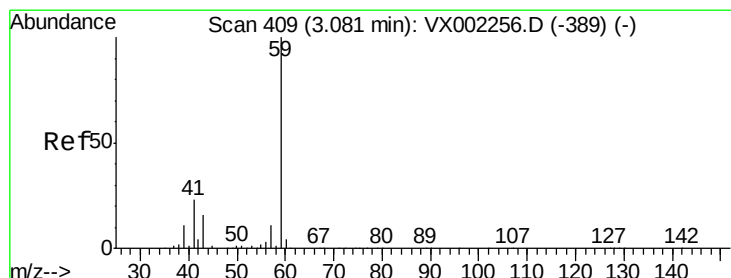
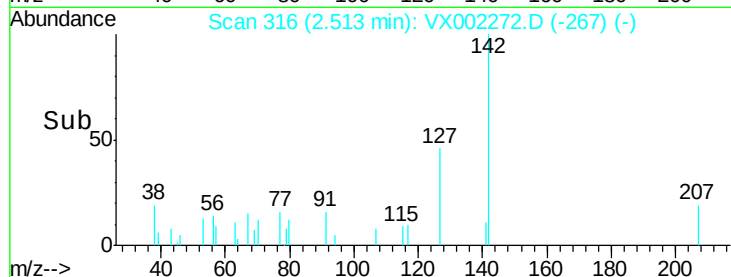
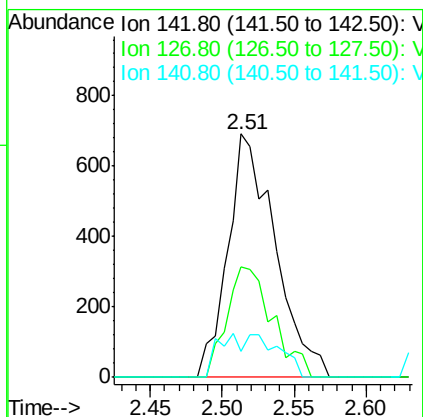
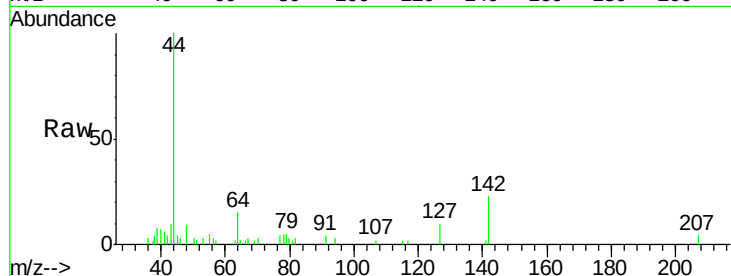




#10
Methvl Iodide
Concen: 0.39 ua/l
RT: 2.51 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

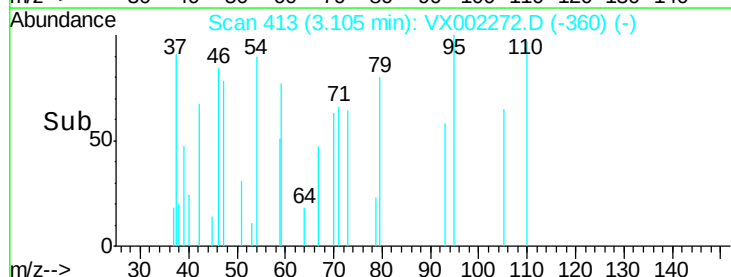
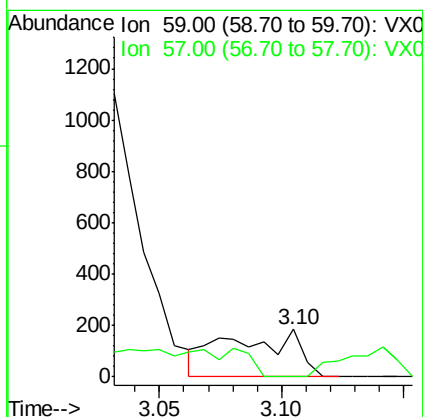
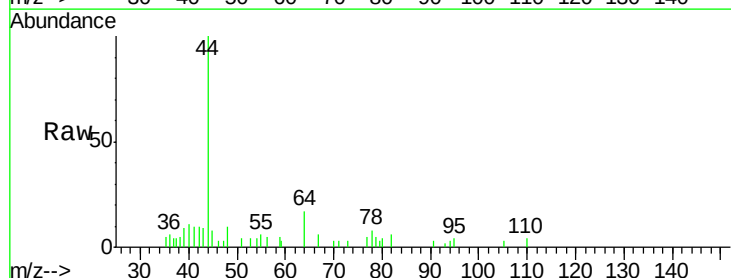
Instrument :
MSVOA_X
ClientSampled :
LF6-0060

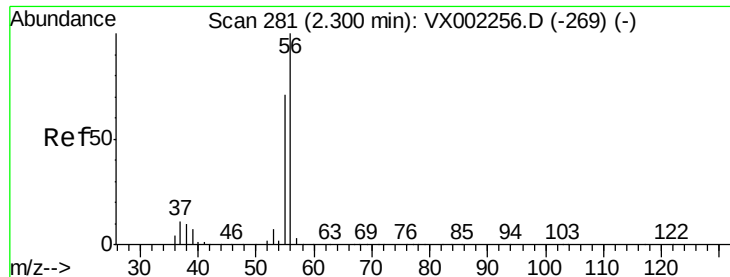
Tot Ion:142 Resp: 1585
Ion Ratio Lower Upper
142 100
127 43.8 36.6 55.0
141 9.1 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.10 min Scan# 413
Delta R.T. 0.02 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

Tgt Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampled :

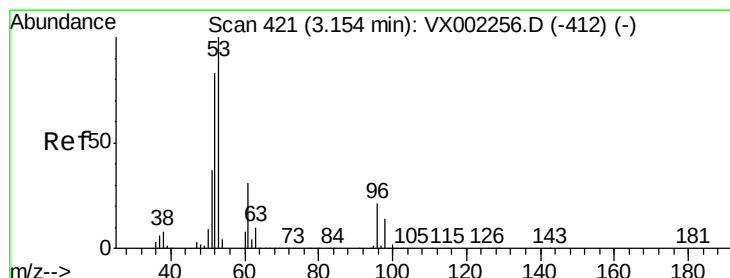
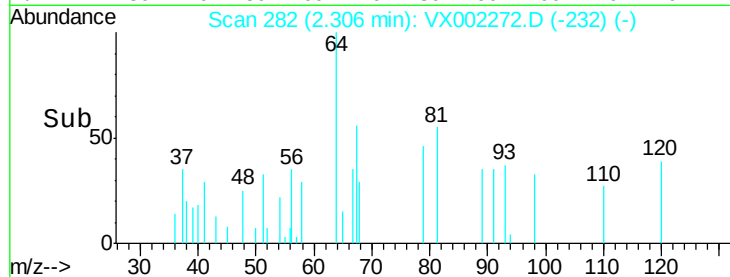
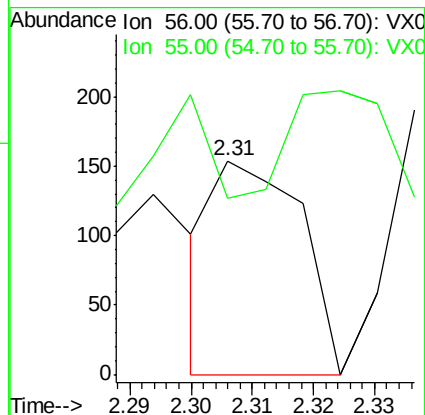
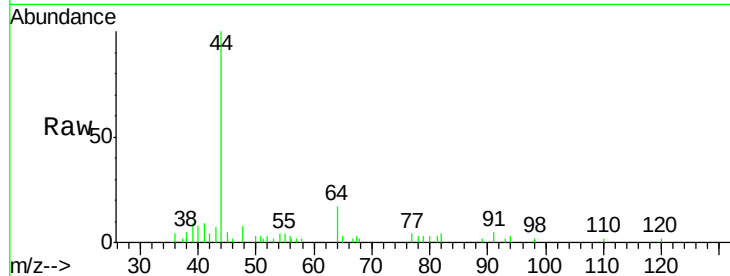
LF6-0060

Tot Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 37.5 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

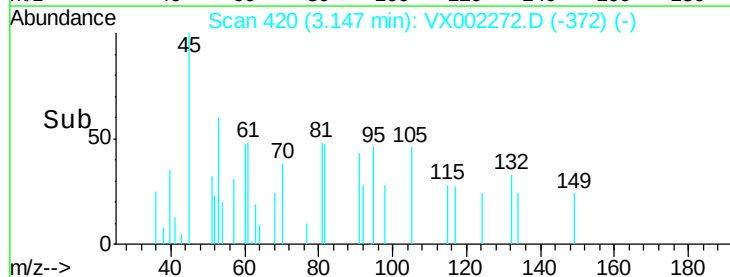
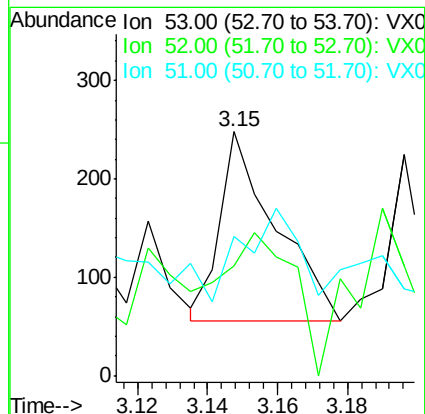
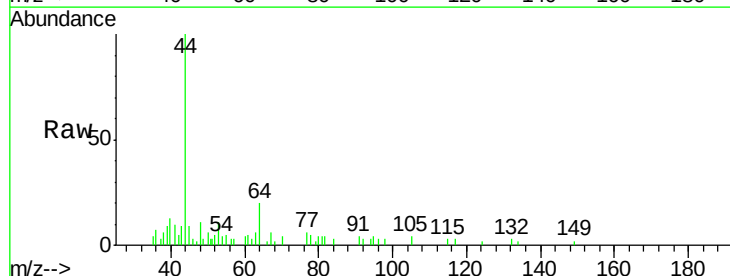
Tgt Ion: 53 Resp: 214

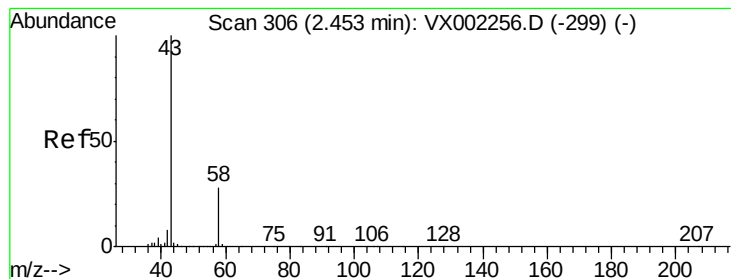
Ion Ratio Lower Upper

53 100

52 99.5 66.7 100.1

51 47.7 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampled :

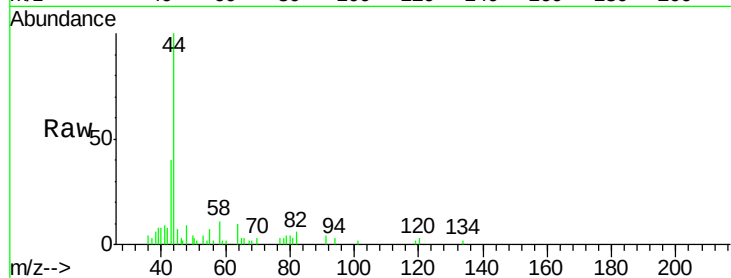
LF6-0060

Tot Ion: 43 Resp: 1774

Ion Ratio Lower Upper

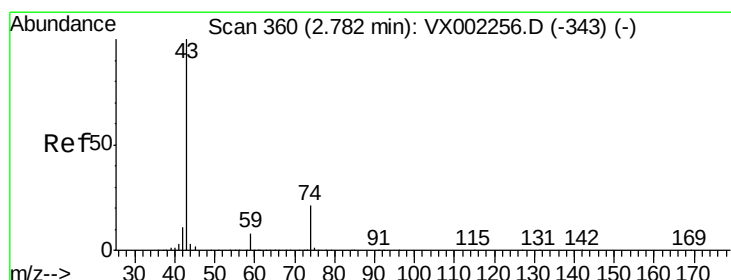
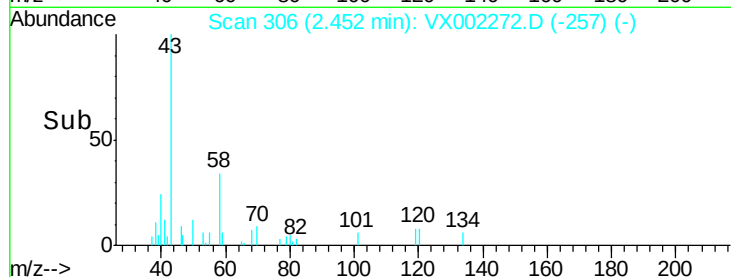
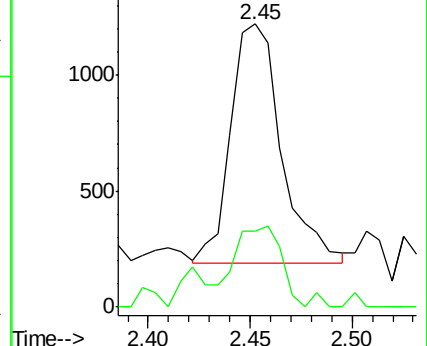
43 100

58 32.4 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: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX002272.D

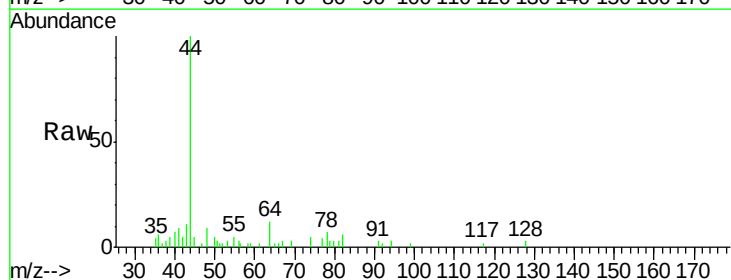
Acq: 04 Jun 2018 20:34

Tgt Ion: 43 Resp: 361

Ion Ratio Lower Upper

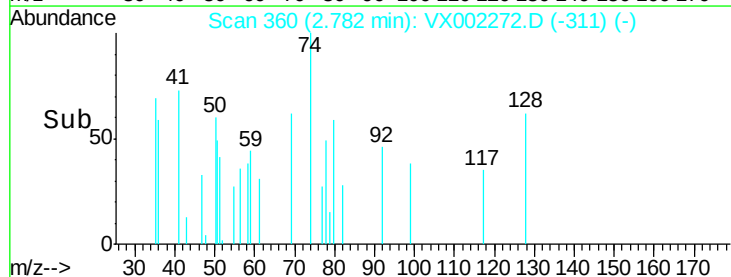
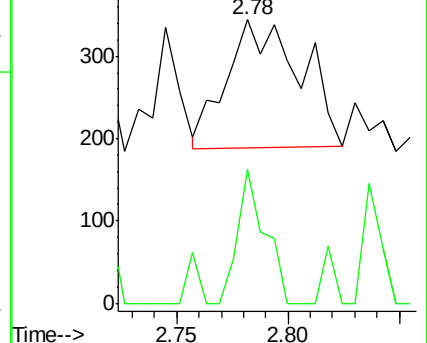
43 100

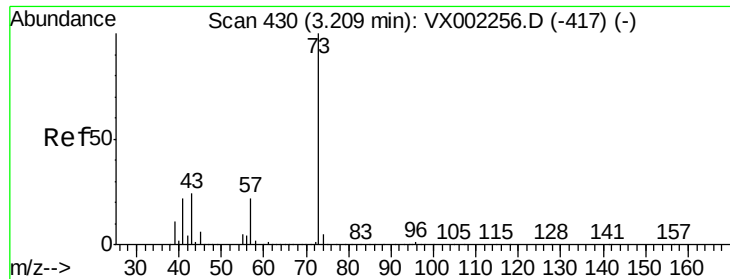
74 38.5 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

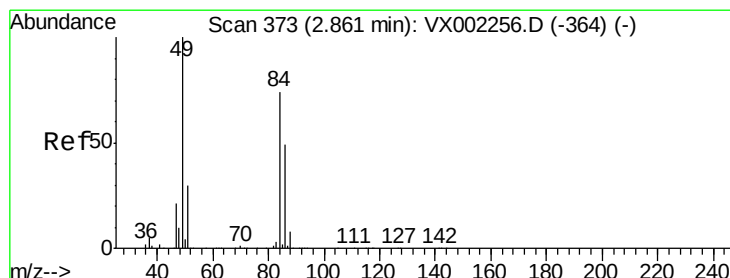
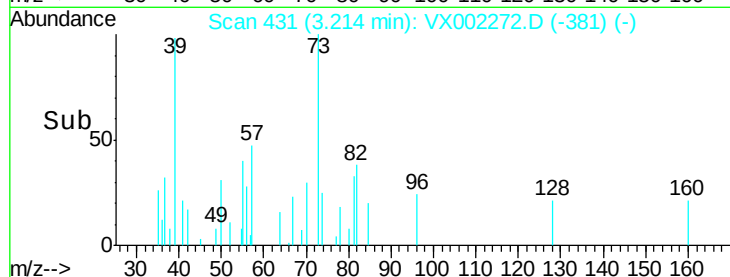
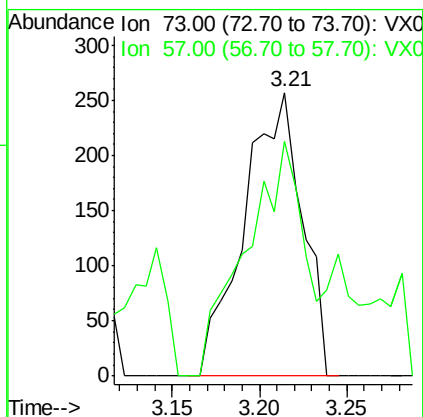
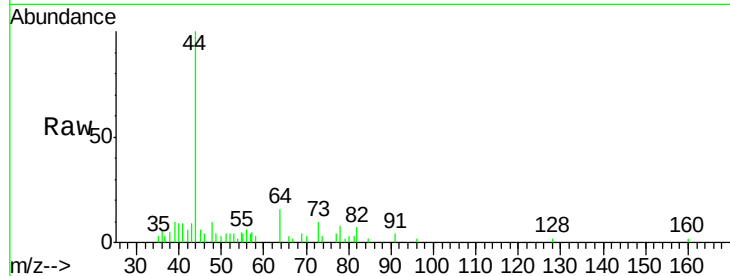




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

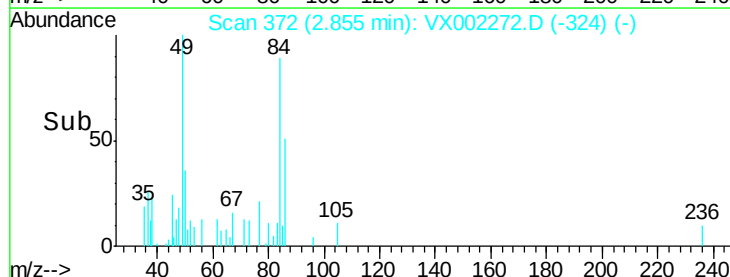
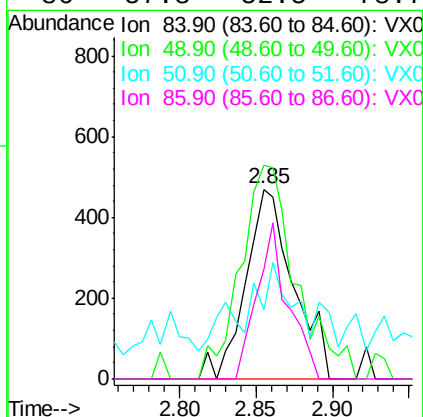
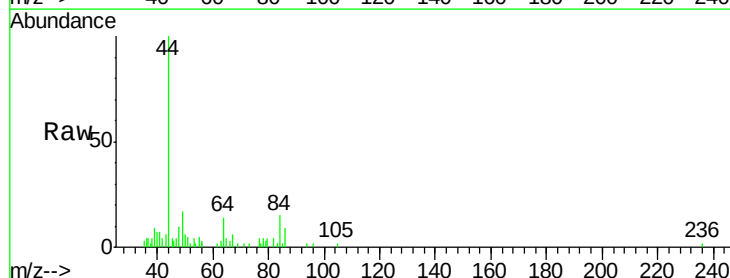
Instrument :
MSVOA_X
ClientSampleId :
LF6-0060

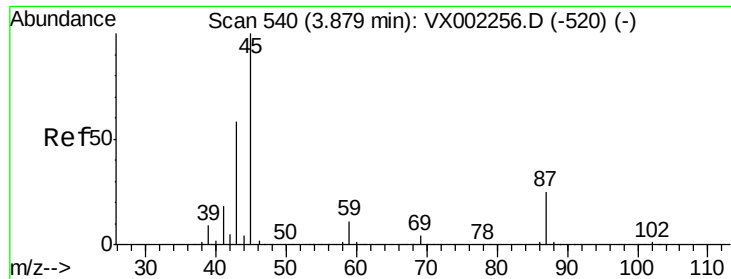
Tot Ion: 73 Resp: 594
Ion Ratio Lower Upper
73 100
57 82.9 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

Tgt Ion: 84 Resp: 1017
Ion Ratio Lower Upper
84 100
49 112.8 107.8 161.6
51 19.6 32.8 49.2#
86 57.8 52.5 78.7



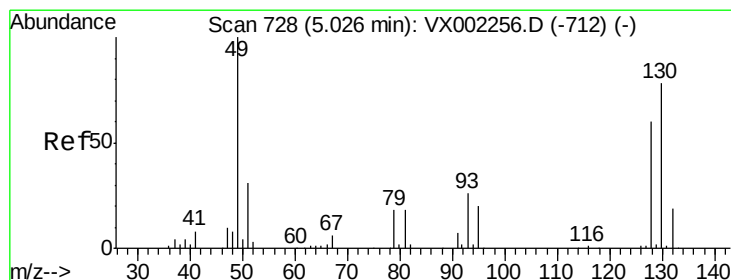
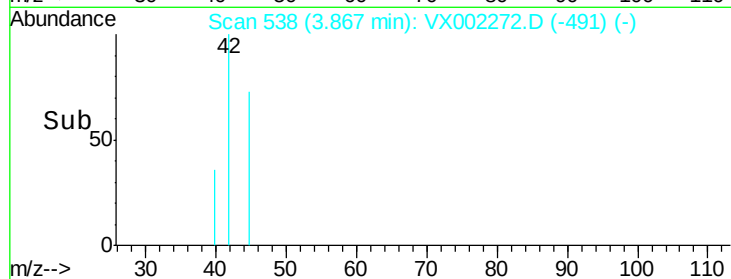
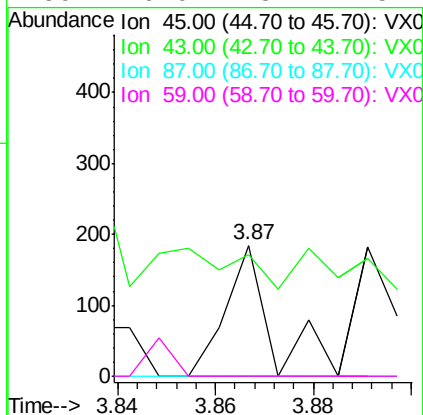
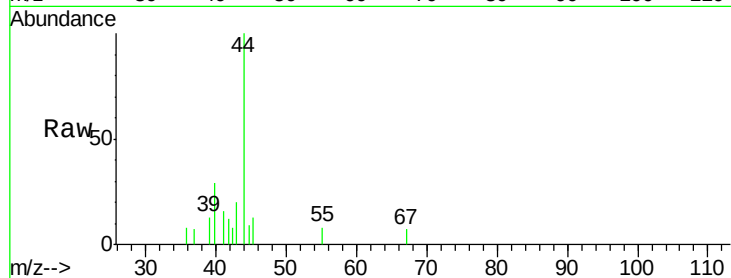


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

Instrument :
MSVOA_X
ClientSampleId :
LF6-0060

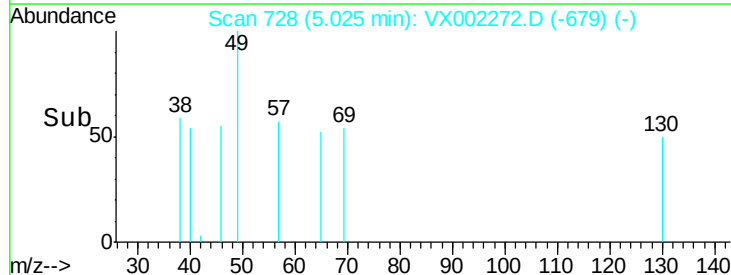
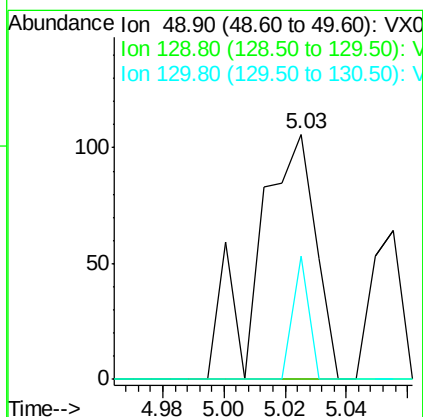
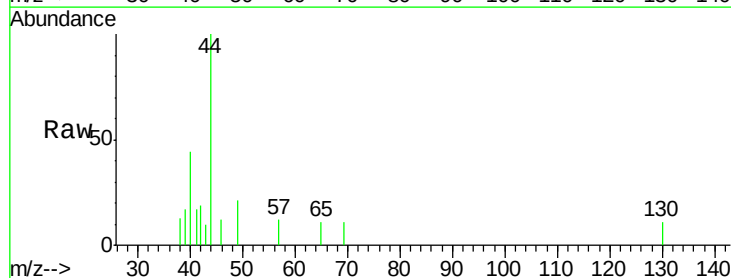
Tot Ion:	45	Resp:	121
Ion	Ratio	Lower	Upper
45	100		
43	17.3	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

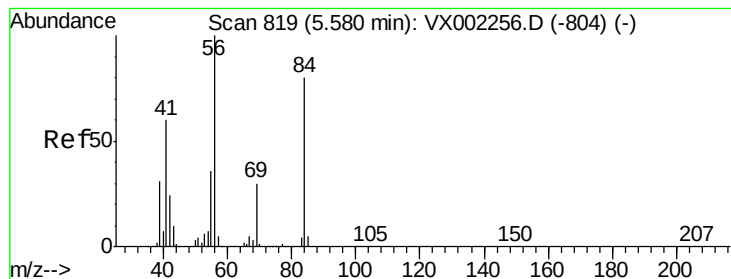


#28

Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

Tgt Ion:	49	Resp:	141
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	13.5	61.2	91.8#





#31

Cyclohexane

Concen: 1.22 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampled :

LF6-0060

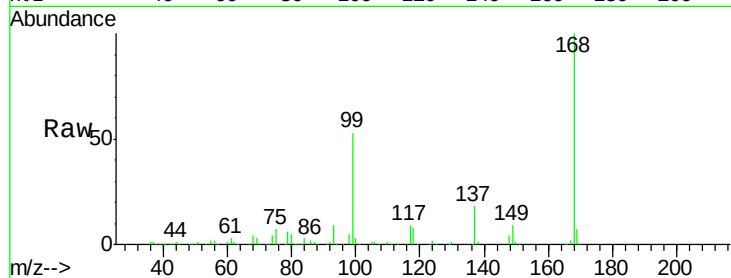
Tot Ion: 56 Resp: 5964

Ion Ratio Lower Upper

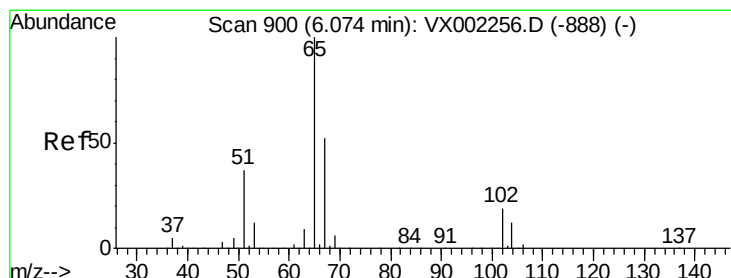
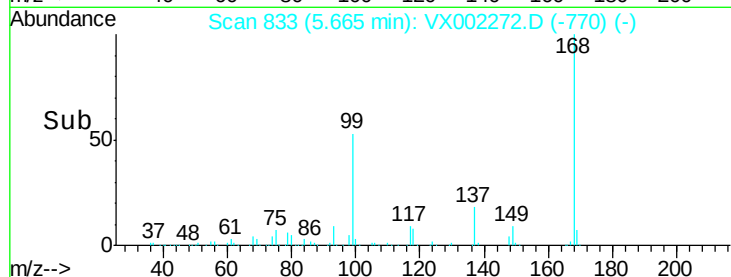
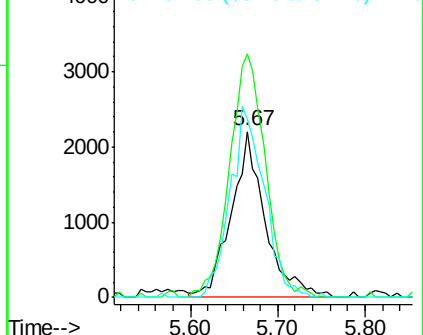
56 100

69 146.8 23.7 35.5#

84 107.8 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.61 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002272.D

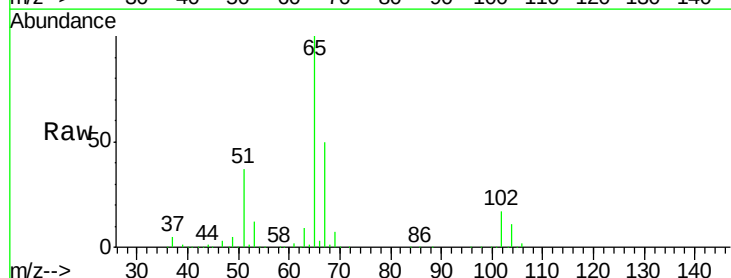
Acq: 04 Jun 2018 20:34

Tgt Ion: 65 Resp: 191536

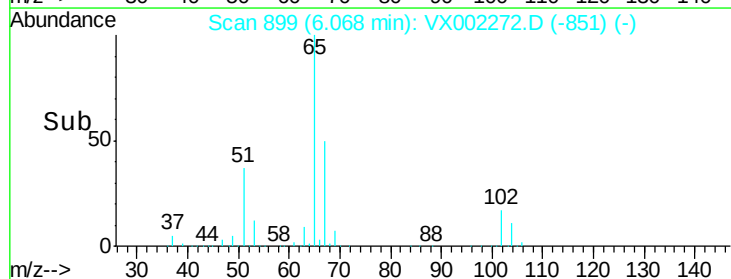
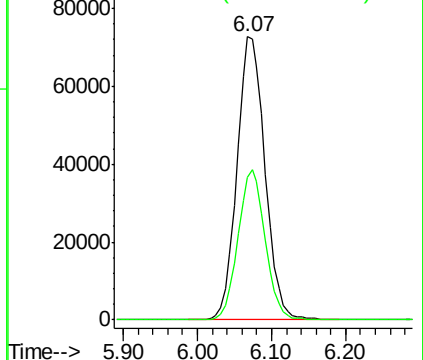
Ion Ratio Lower Upper

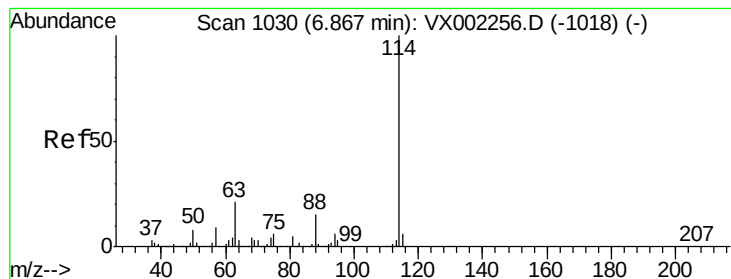
65 100

67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampleId :

LF6-0060

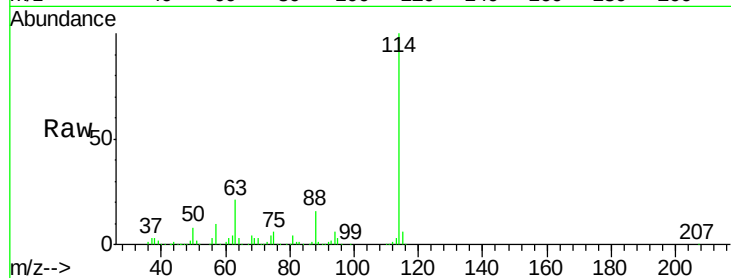
Tot Ion:114 Resp: 397231

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.4

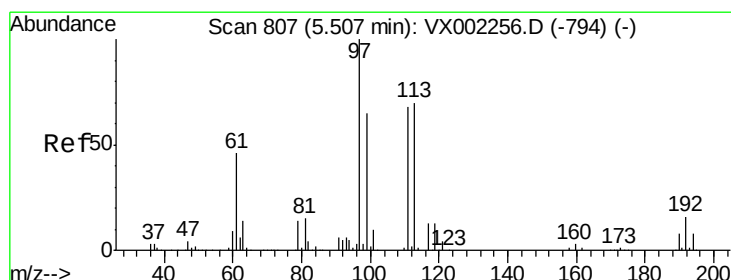
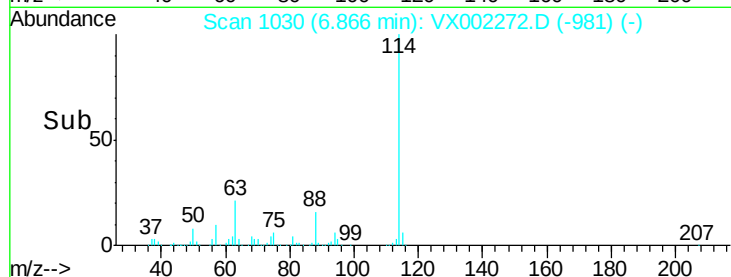
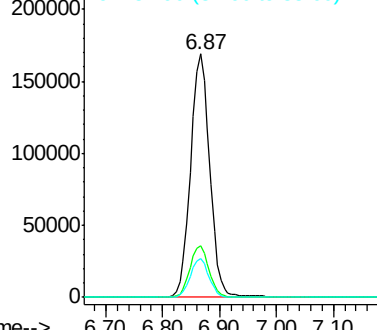
88 16.0 0.0 30.0



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: 44.57 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

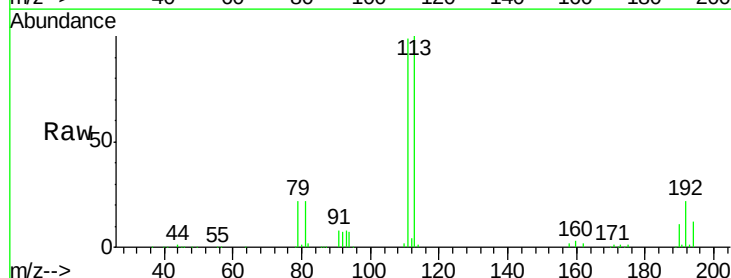
Tgt Ion:113 Resp: 139228

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

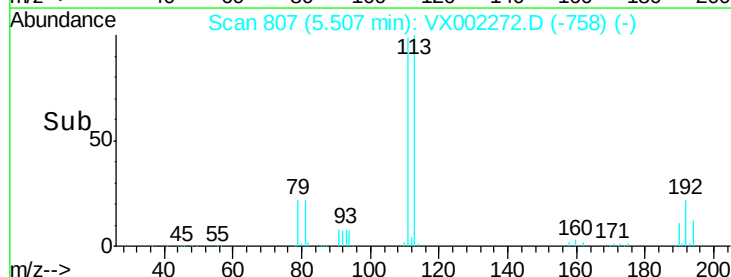
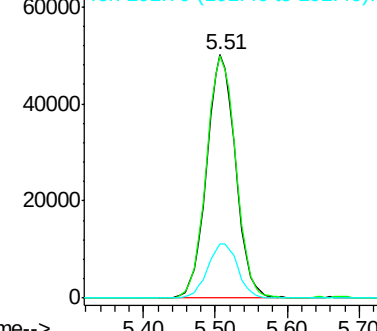
192 23.2 19.1 28.7

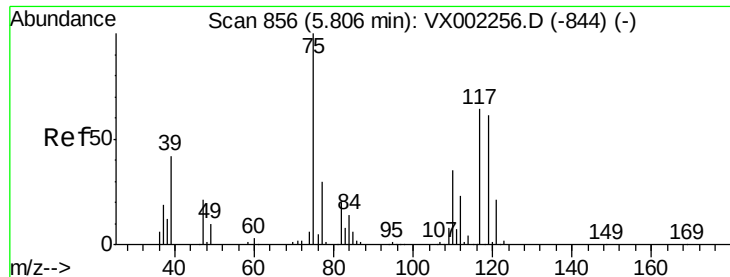


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

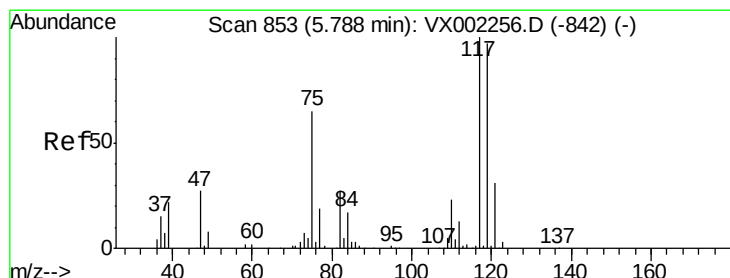
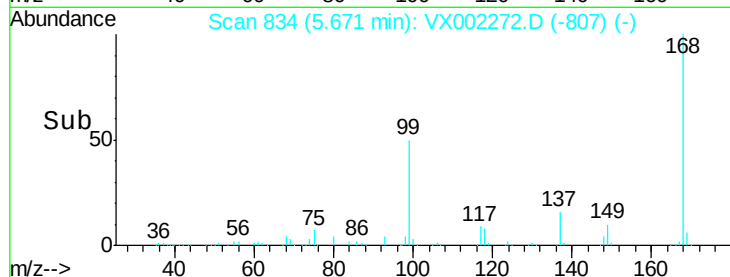
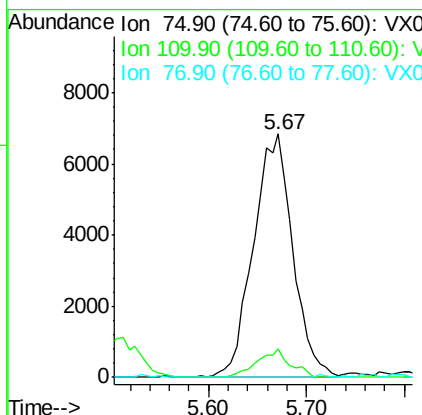
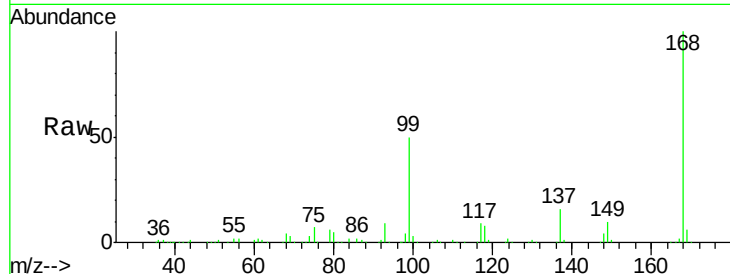




#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002272.D
 Acq: 04 Jun 2018 20:34

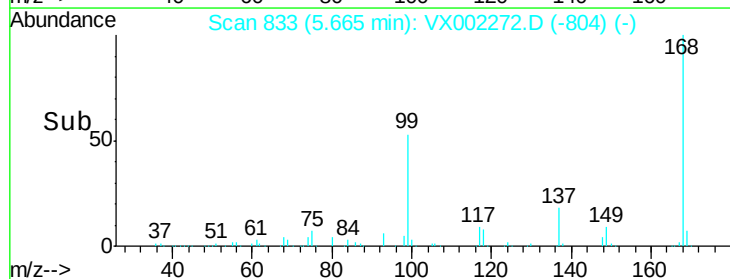
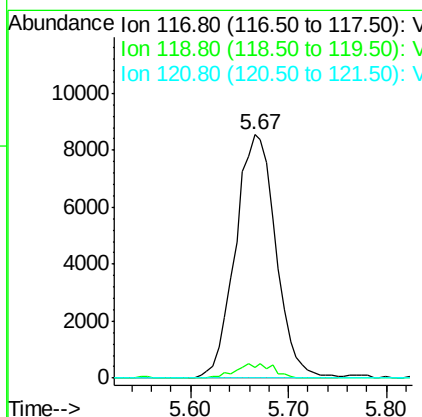
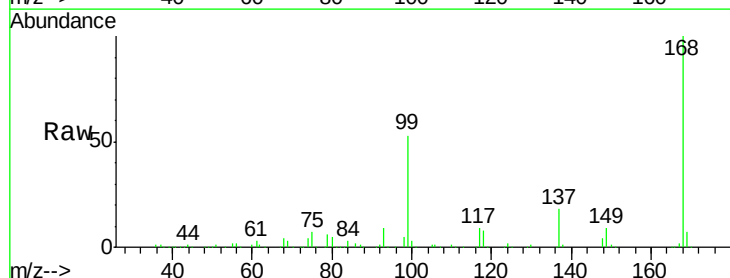
Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0060

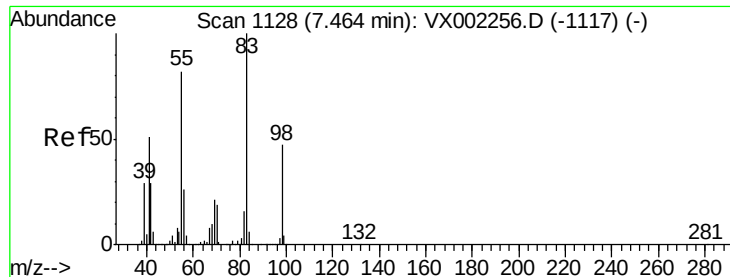
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.61 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002272.D
 Acq: 04 Jun 2018 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.4	116.0#
121	0.0	24.4	36.6#





#39

Methylvlcyclohexane

Concen: 0.29 ug/l

RT: 7.48 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

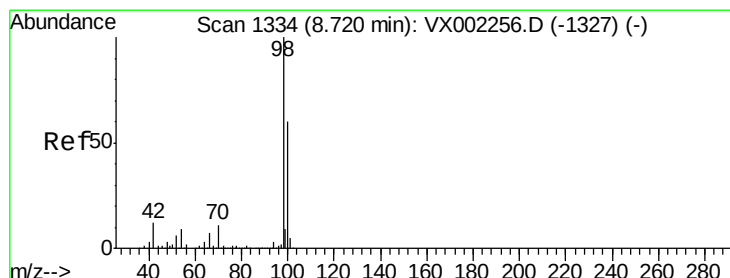
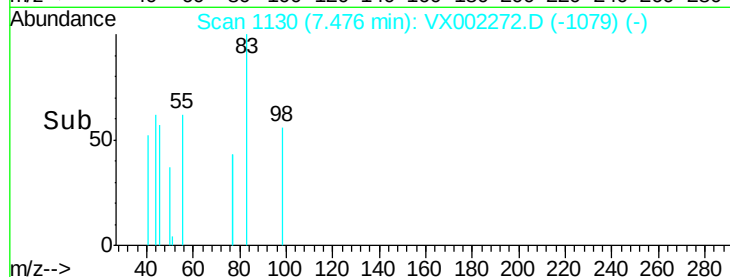
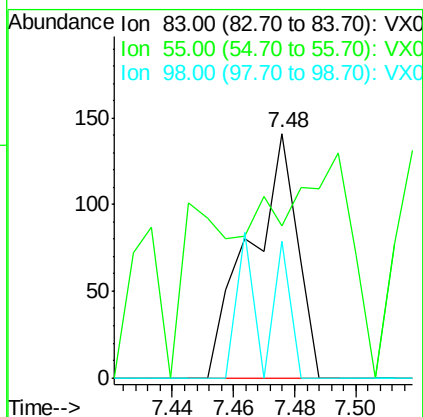
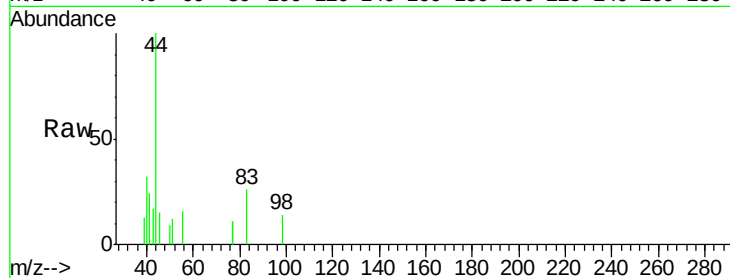
MSVOA_X

ClientSampled :

LF6-0060

Tot Ion: 83 Resp: 150

Ion	Ratio	Lower	Upper
83	100		
55	0.0	65.4	98.0#
98	56.0	37.4	56.0



#50

Toluene-d8

Concen: 47.92 ug/l

RT: 8.72 min Scan# 1334

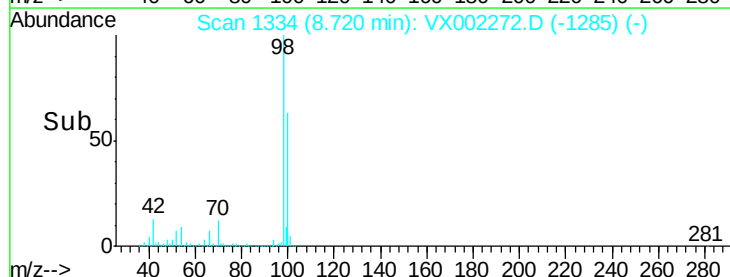
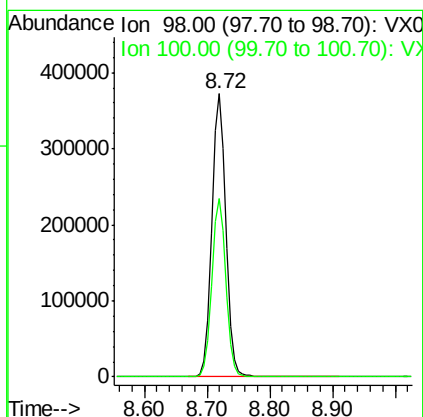
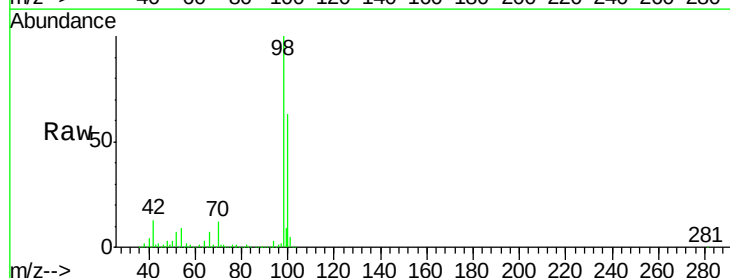
Delta R.T. -0.00 min

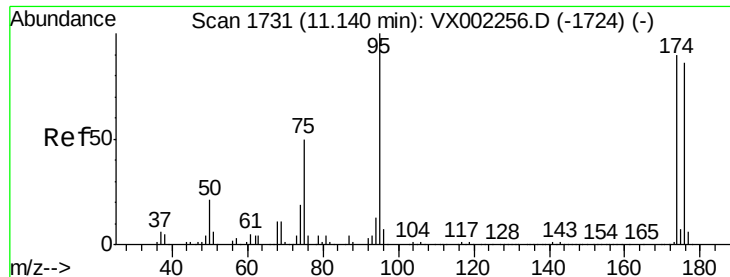
Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Tgt Ion: 98 Resp: 573779

Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.9	76.3





#62

4-Bromofluorobenzene

Concen: 45.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampled :

LF6-0060

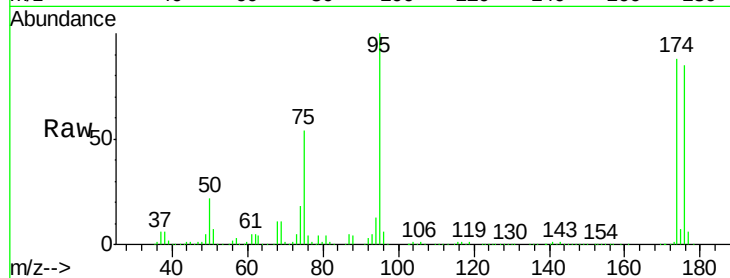
Tot Ion: 95 Resp: 212281

Ion Ratio Lower Upper

95 100

174 92.9 0.0 187.4

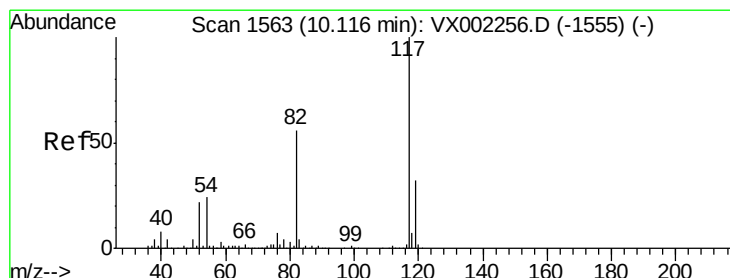
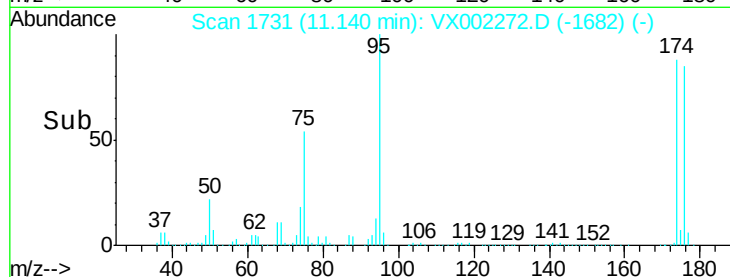
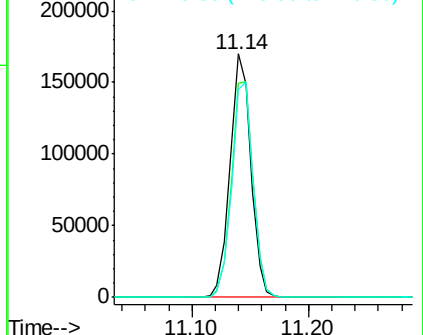
176 90.5 0.0 181.0



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: VX002272.D

Acq: 04 Jun 2018 20:34

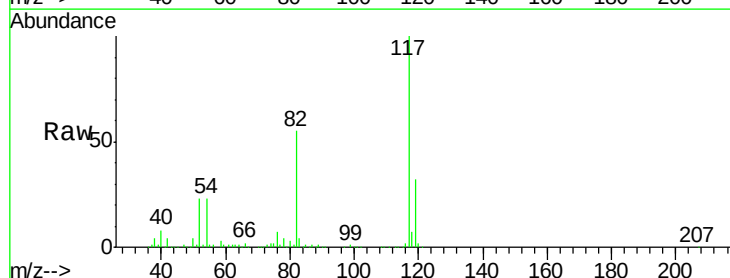
Tgt Ion: 117 Resp: 376088

Ion Ratio Lower Upper

117 100

82 55.1 45.0 67.4

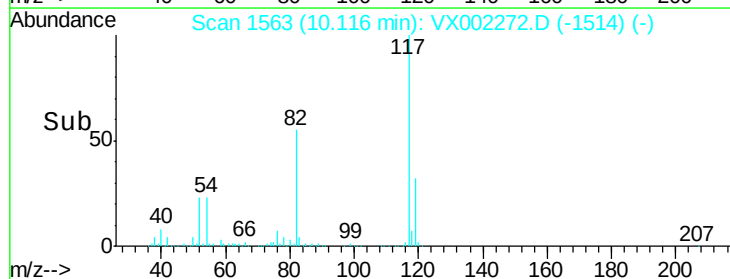
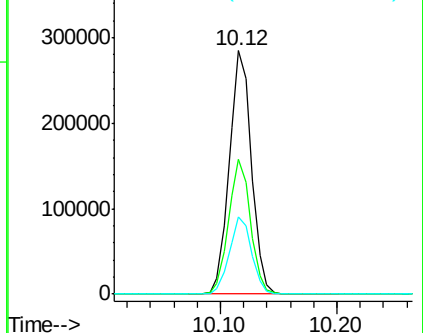
119 31.8 25.8 38.6

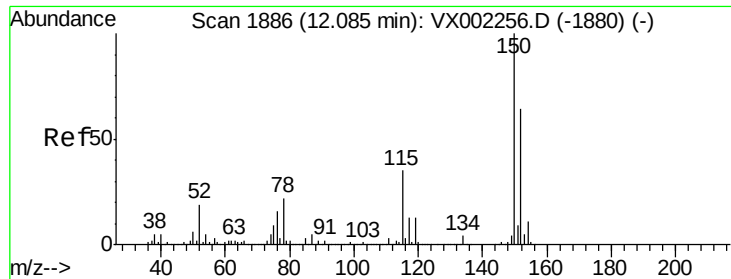


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



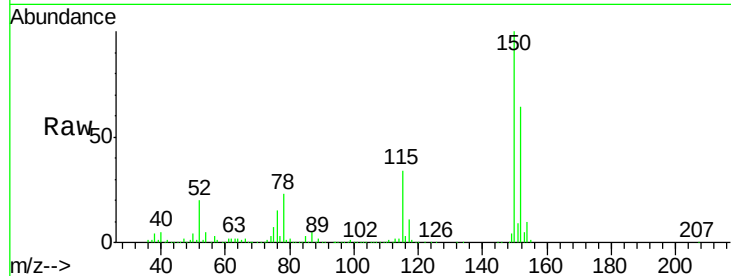


#72

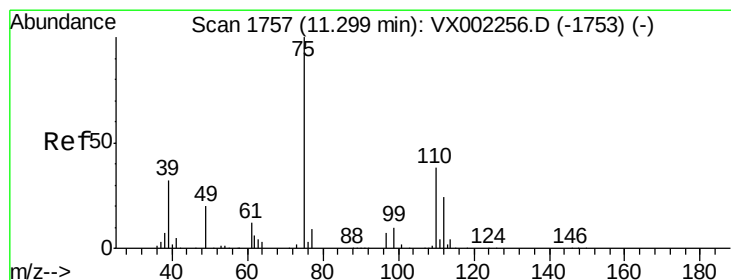
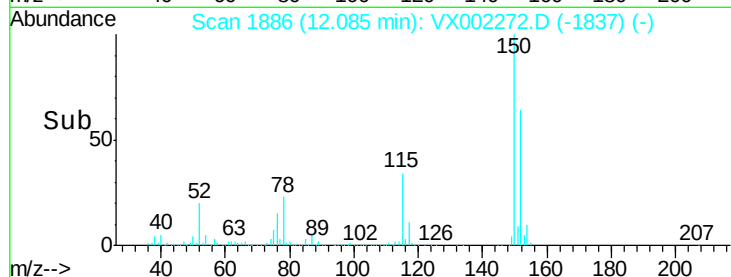
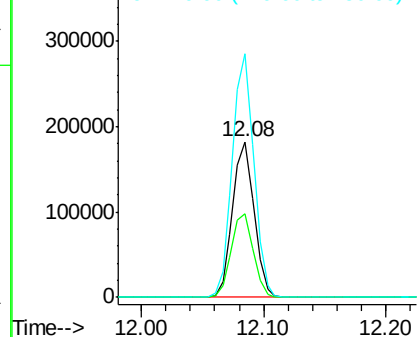
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

Instrument :
MSVOA_X
ClientSampled :
LF6-0060

Tot Ion:152 Resp: 221202
Ion Ratio Lower Upper
152 100
115 55.4 40.1 120.2
150 156.4 0.0 347.2



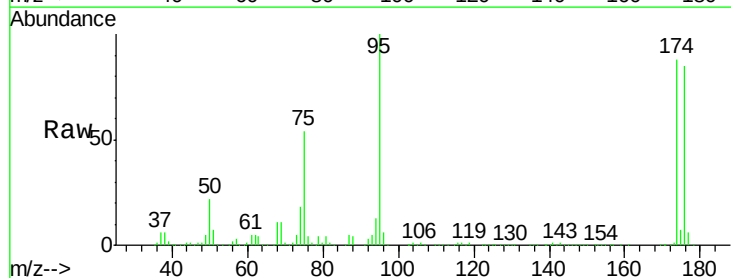
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



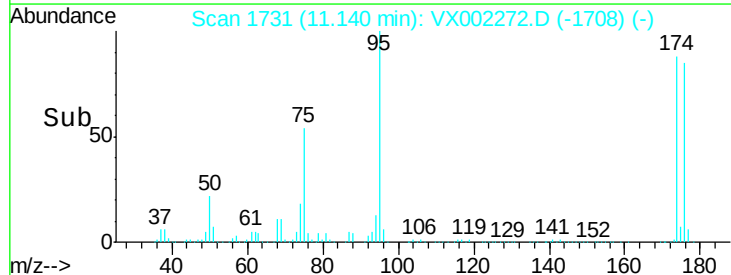
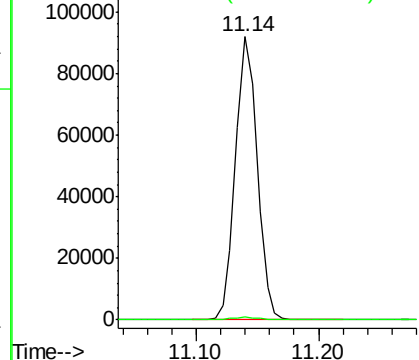
#76

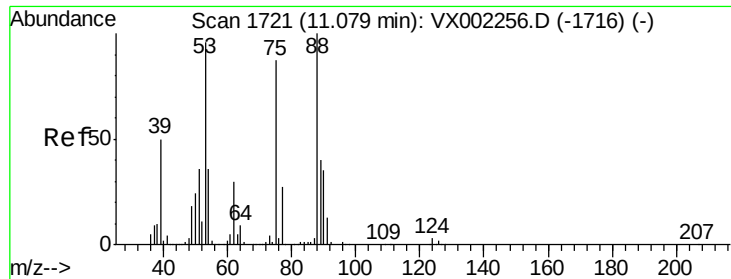
1,2,3-Trichloropropane
Concen: 23.27 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX002272.D
Acq: 04 Jun 2018 20:34

Tgt Ion: 75 Resp: 112966
Ion Ratio Lower Upper
75 100
77 1.2 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: 81.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002272.D

Acq: 04 Jun 2018 20:34

Instrument :

MSVOA_X

ClientSampleId :

LF6-0060

Tot Ion: 75 Resp: 112966

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#

