

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002322.D
 Acq On : 05 Jun 2018 23:31
 Operator : JC/MD
 Sample : VX0605WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:36:40 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	217870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	319563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175845	56.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.84%	
35) Dibromofluoromethane	5.51	113	128416	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	8.72	98	518437	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	11.14	95	170790	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	

Target Compounds

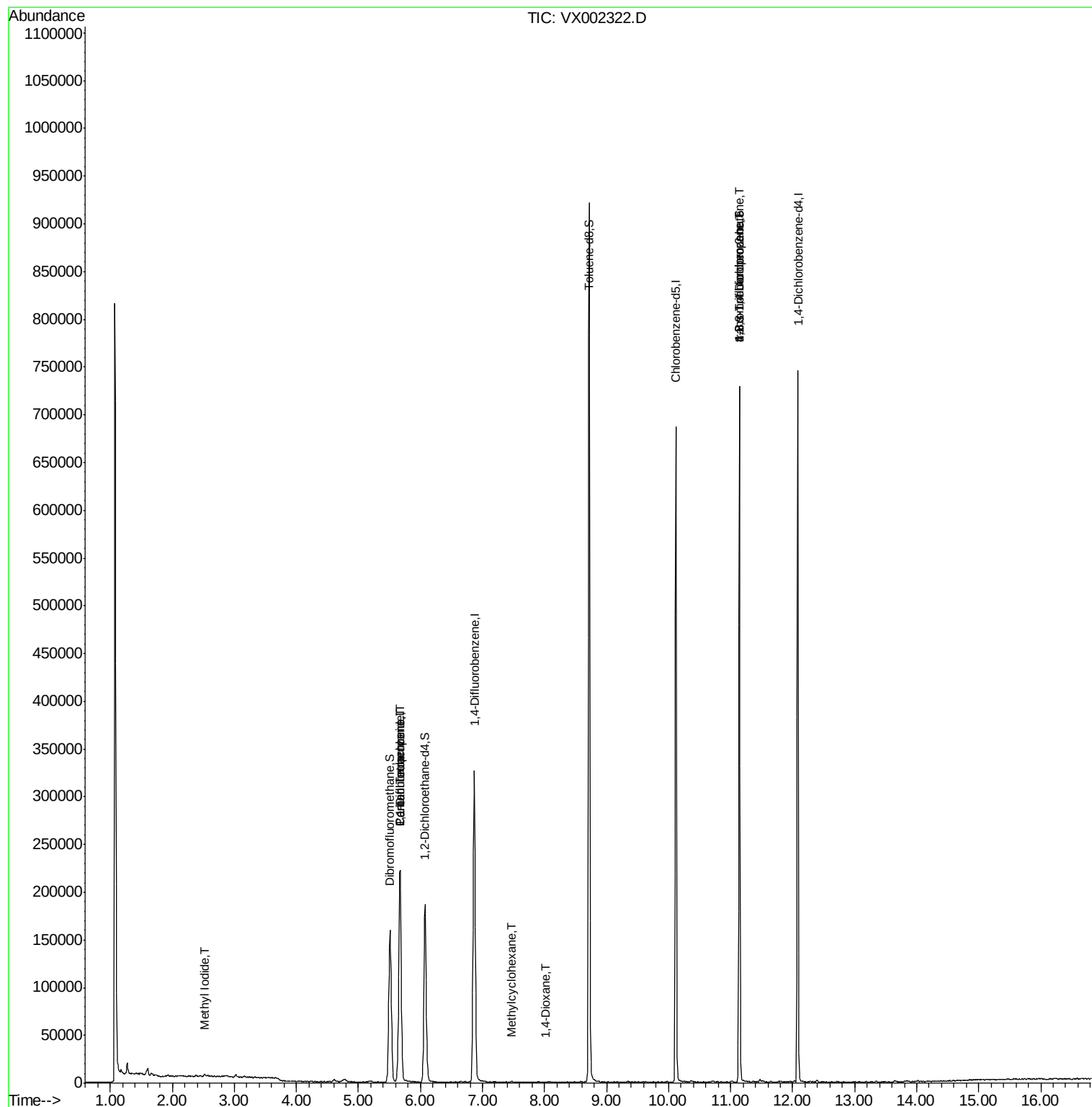
						Qvalue
3) Chloromethane	1.32	50	471	Below Cal	#	52
5) Bromomethane	1.66	94	1530	Below Cal		97
8) Diethyl Ether	2.21	74	27	Below Cal	#	1
10) Methyl Iodide	2.52	142	2276	0.69	ug/l #	91
11) Tert butyl alcohol	3.10	59	74	Below Cal	#	1
13) Acrolein	2.32	56	367	Below Cal	#	14
15) Acrylonitrile	3.15	53	428	Below Cal	#	44
16) Acetone	2.44	43	554	Below Cal	#	83
18) Methyl Acetate	2.78	43	145	Below Cal	#	89
19) Methyl tert-butyl Ether	3.15	73	41	Below Cal	#	54
20) Methylene Chloride	2.86	84	542	Below Cal	#	75
22) Diisopropyl ether	3.87	45	105	Below Cal	#	42
28) Bromochloromethane	4.93	49	57	Below Cal	#	13
36) 1,1-Dichloropropene	5.67	75	15756	4.69	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20309	5.78	ug/l #	16
39) Methylcyclohexane	7.46	83	120	0.29	ug/l #	65
49) 1,4-Dioxane	8.01	88	22	0.34	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	92804	27.66	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	92804	96.96	ug/l #	6

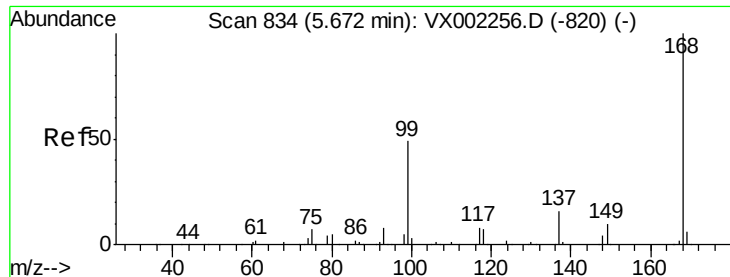
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002322.D

Acq: 05 Jun 2018 23:31

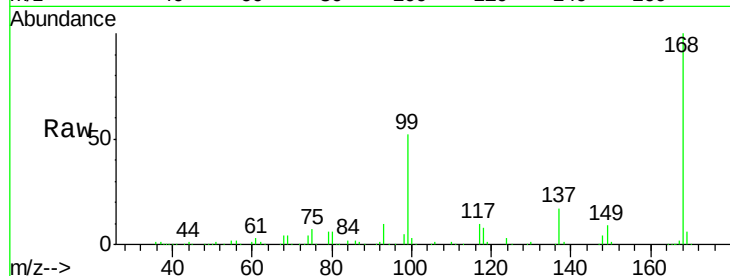
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 217870

Ion Ratio Lower Upper

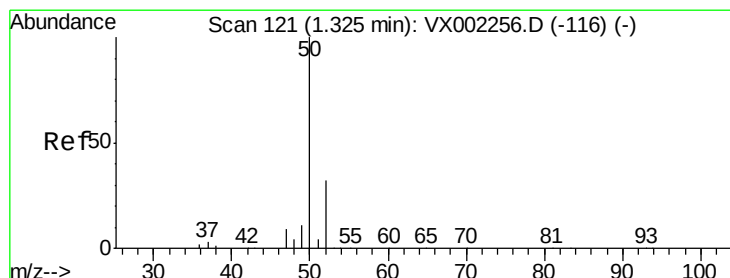
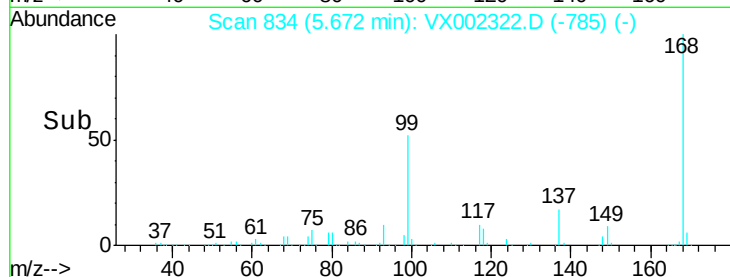
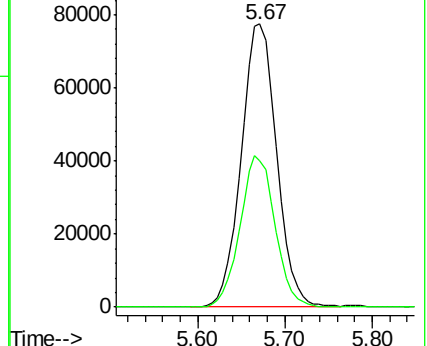
168 100

99 51.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002322.D

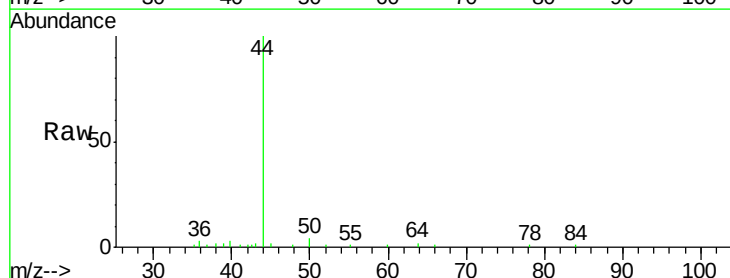
Acq: 05 Jun 2018 23:31

Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

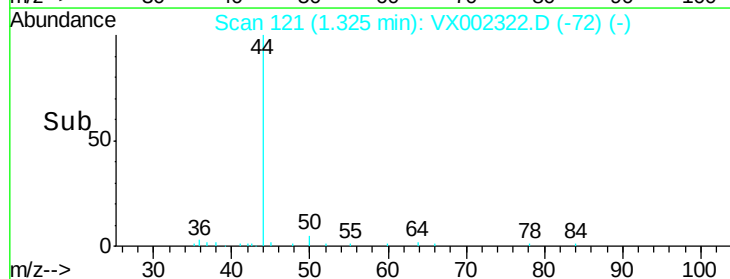
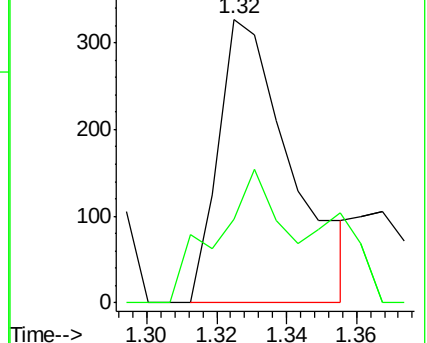
50 100

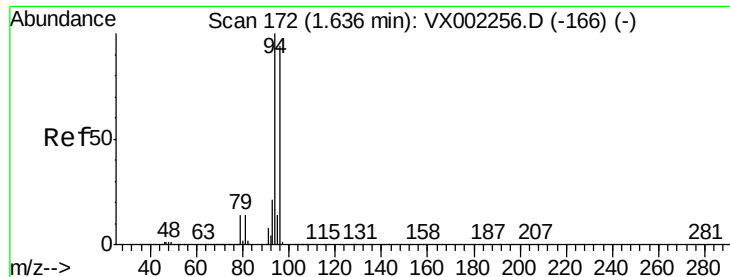
52 5.5 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002322.D

Acq: 05 Jun 2018 23:31

Instrument :

MSVOA_X

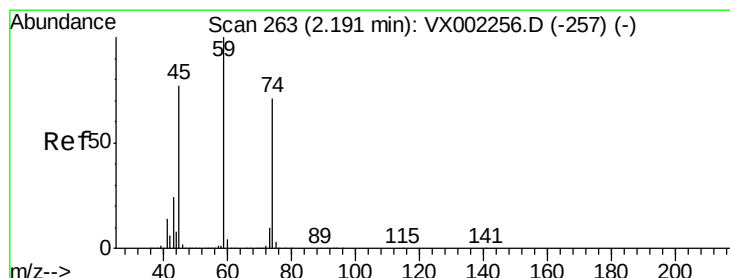
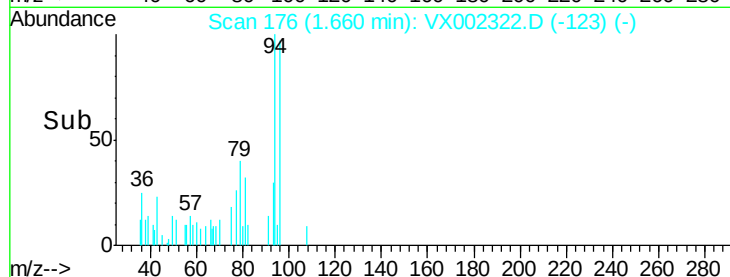
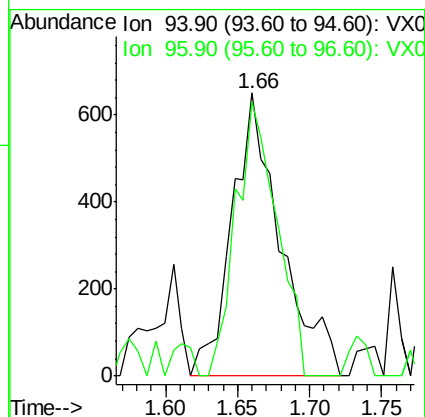
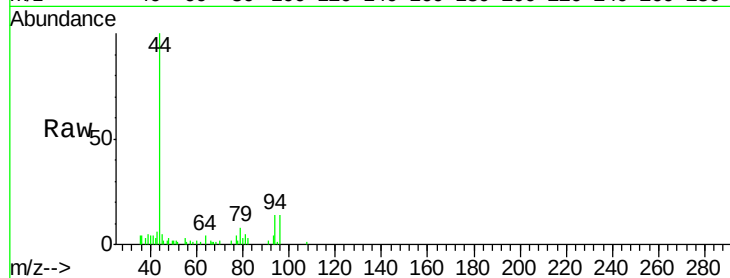
ClientSampleId :

Tot Ion: 94 Resp: 1530

Ion Ratio Lower Upper

94 100

96 96.8 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.21 min Scan# 266

Delta R.T. 0.02 min

Lab File: VX002322.D

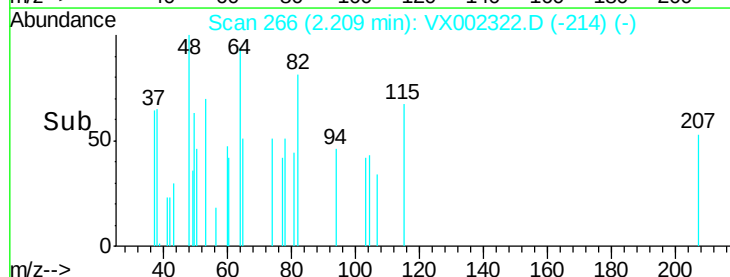
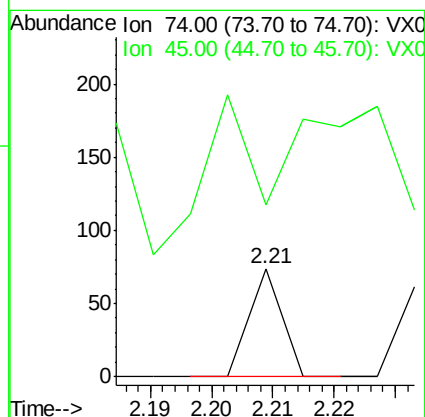
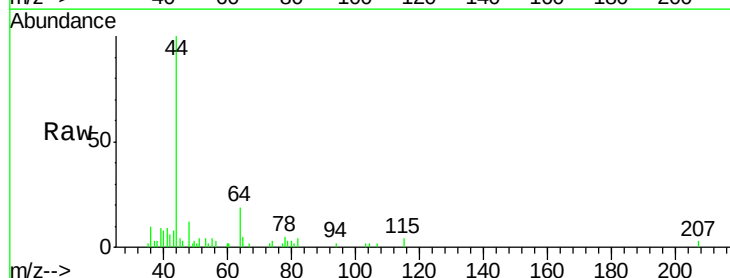
Acq: 05 Jun 2018 23:31

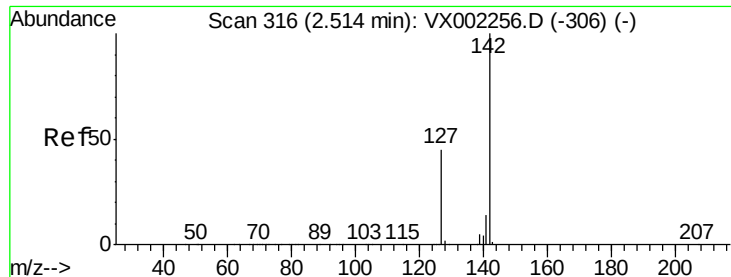
Tgt Ion: 74 Resp: 27

Ion Ratio Lower Upper

74 100

45 233.3 53.1 159.4#

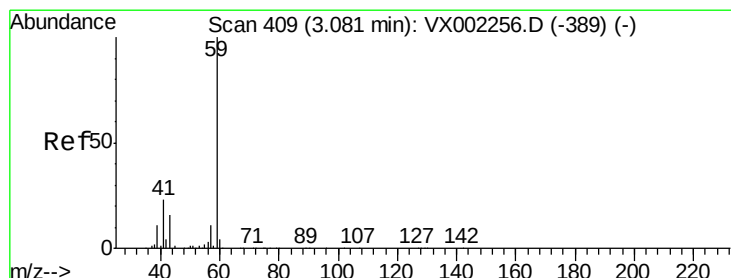
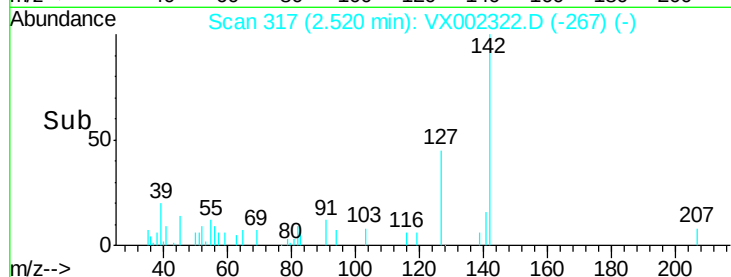
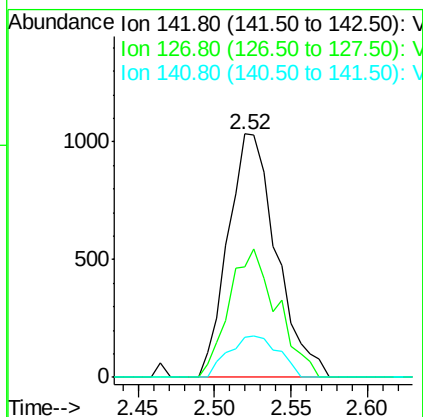
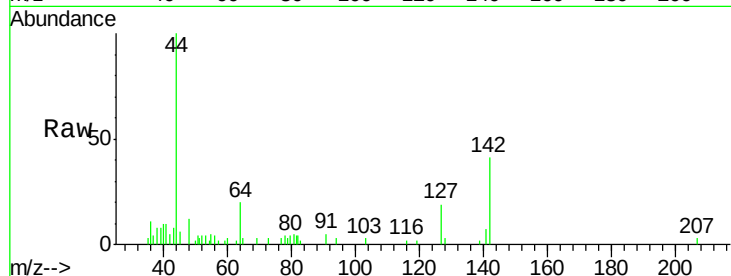




#10
Methyl Iodide
Concen: 0.69 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

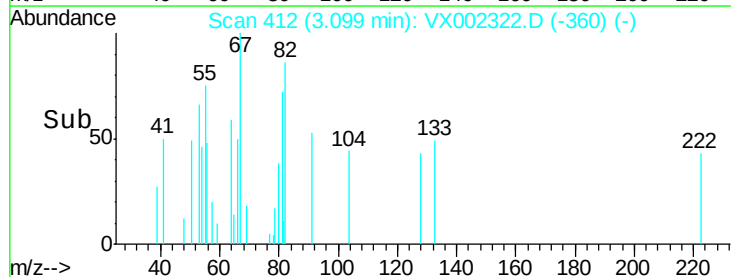
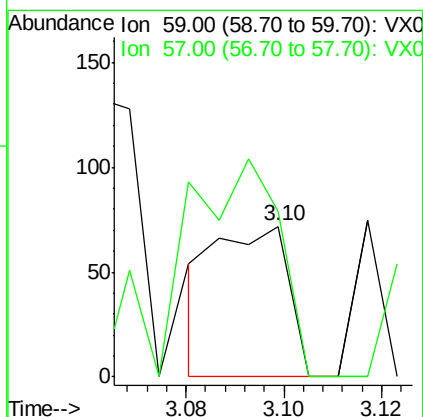
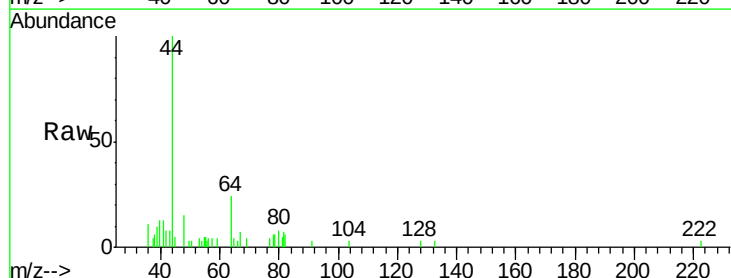
Instrument :
MSVOA_X
ClientSampled :

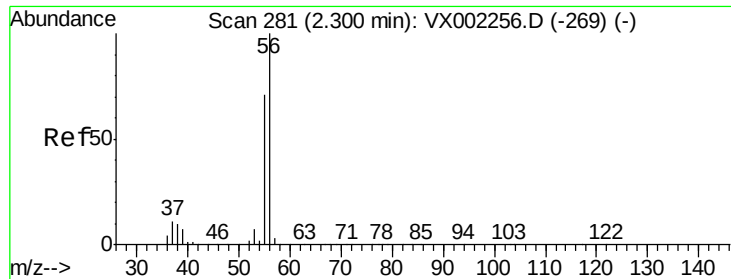
Tot Ion:142 Resp: 2276
Ion Ratio Lower Upper
142 100
127 52.2 36.6 55.0
141 17.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 198.6 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX002322.D

Acq: 05 Jun 2018 23:31

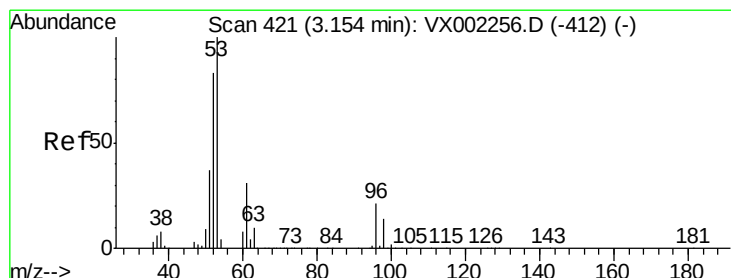
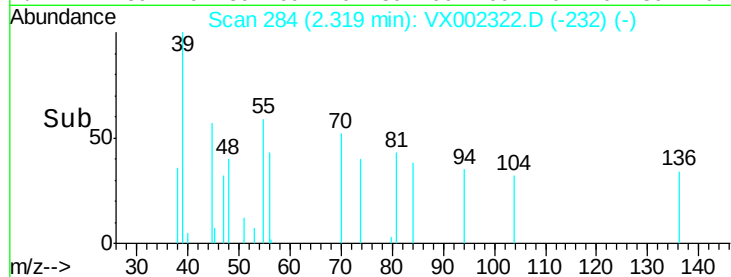
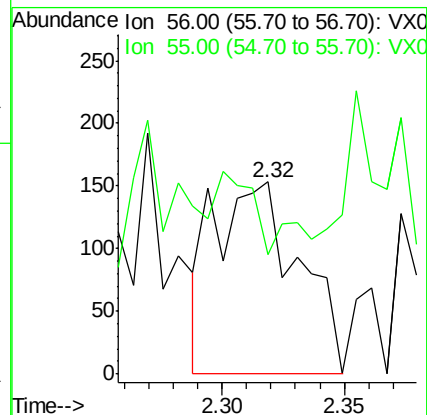
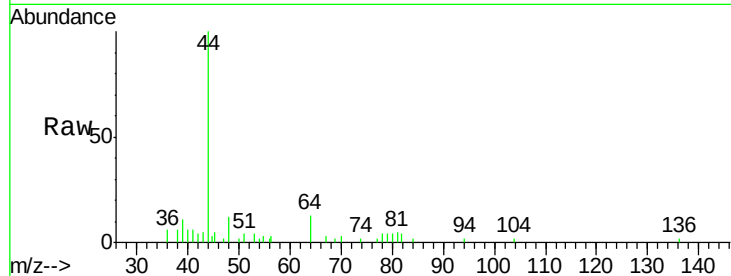
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002322.D

Acq: 05 Jun 2018 23:31

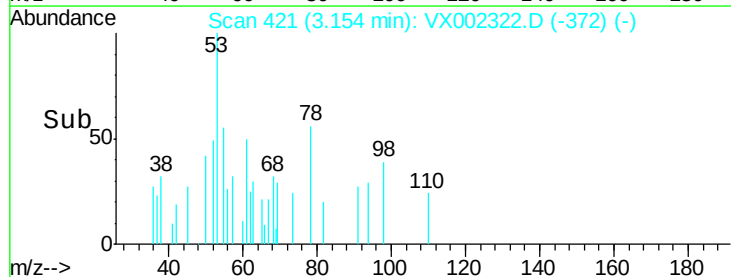
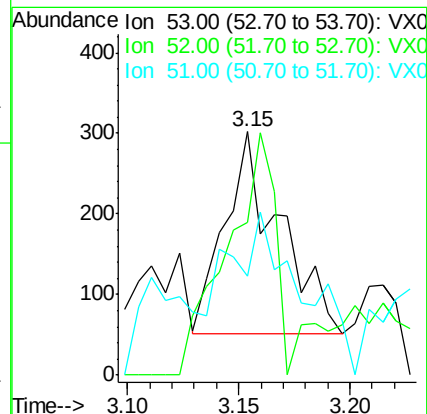
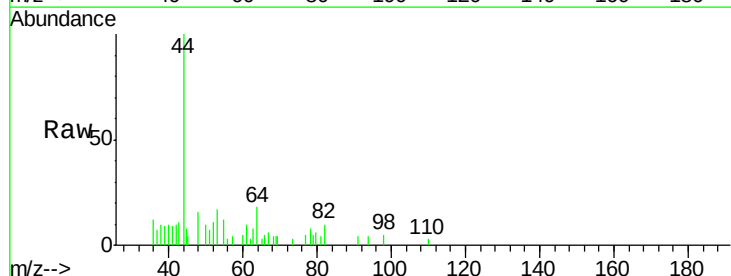
Tgt Ion: 53 Resp: 428

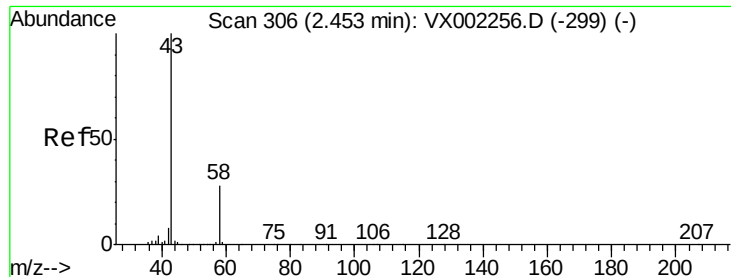
Ion Ratio Lower Upper

53 100

52 108.6 66.7 100.1#

51 107.5 29.9 44.9#

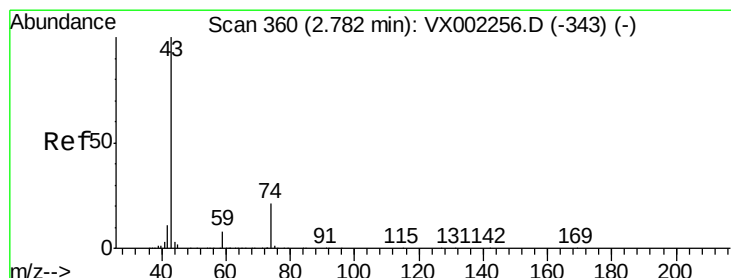
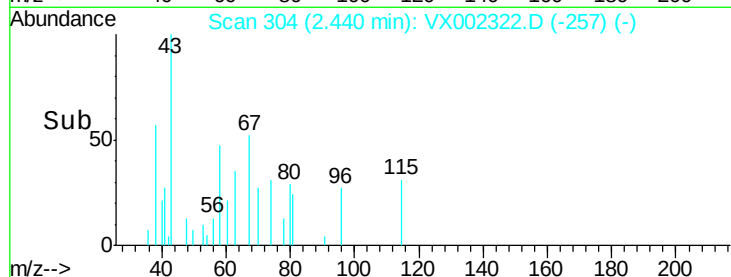
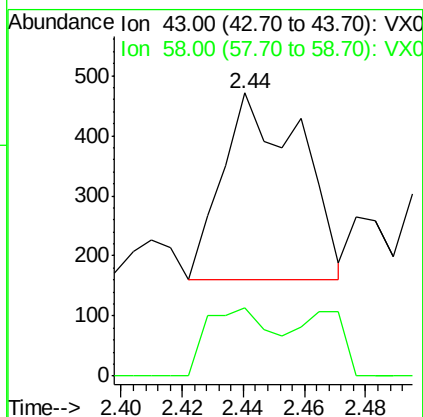
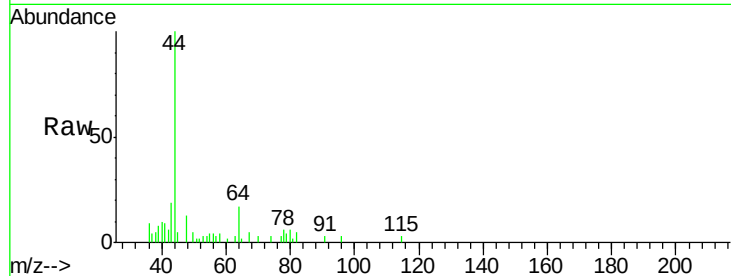




#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 304
Delta R.T. -0.01 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

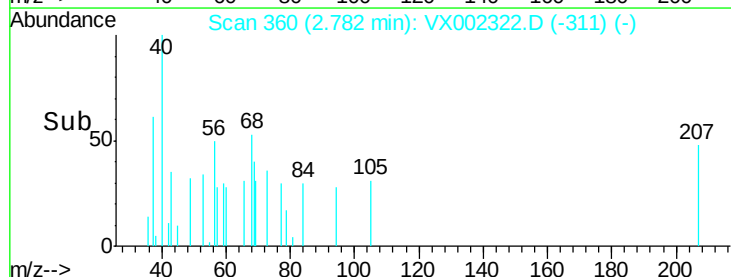
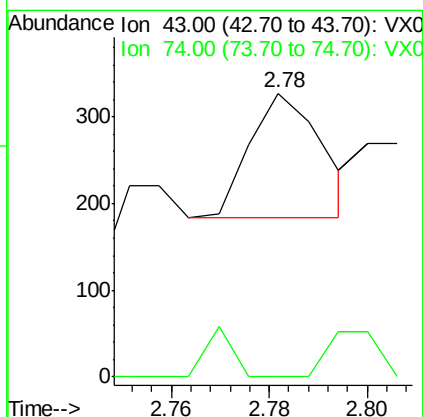
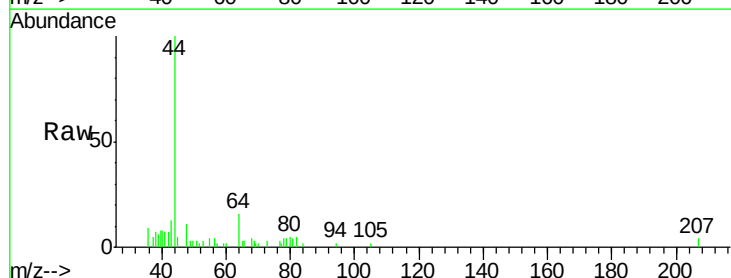
Instrument :
MSVOA_X
ClientSampled :

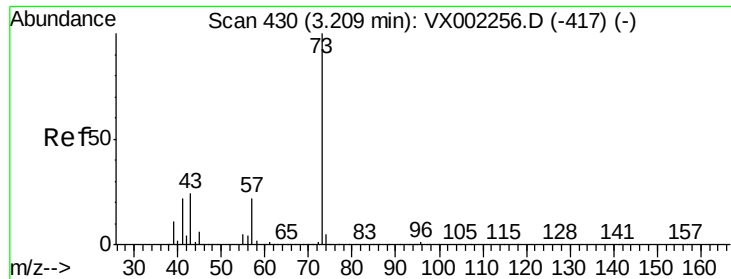
Tot Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
58 36.7 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
74 26.2 16.7 25.1#

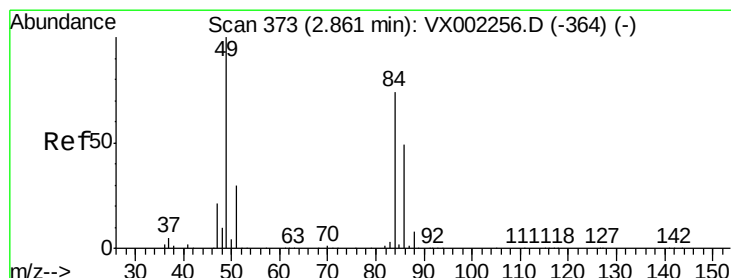
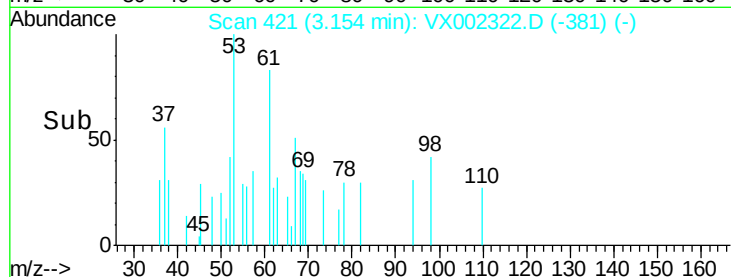
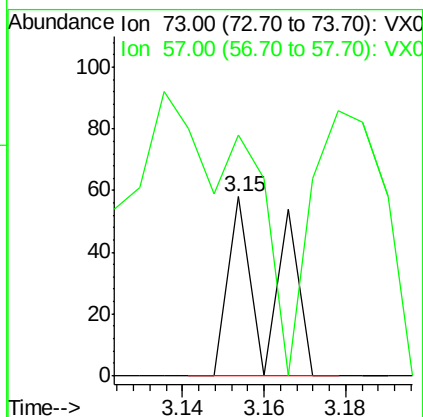
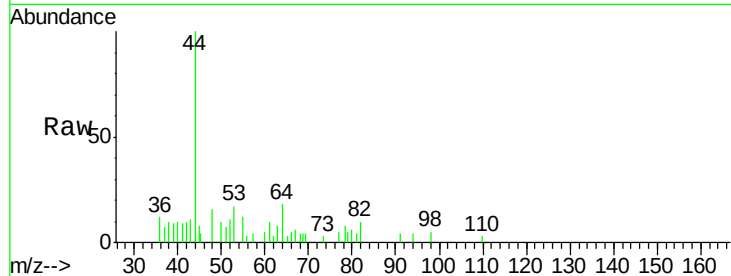




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.15 min Scan# 421
Delta R.T. -0.05 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

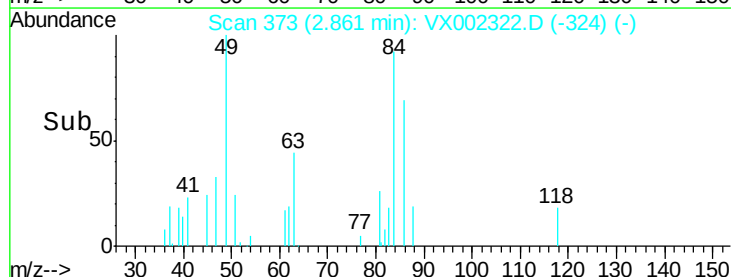
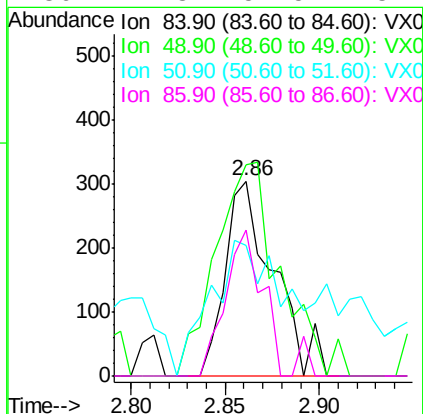
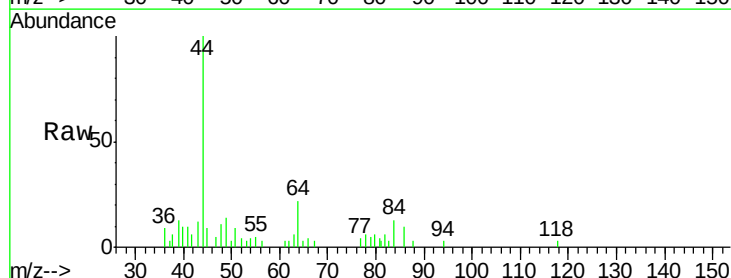
Instrument :
MSVOA_X
ClientSampled :

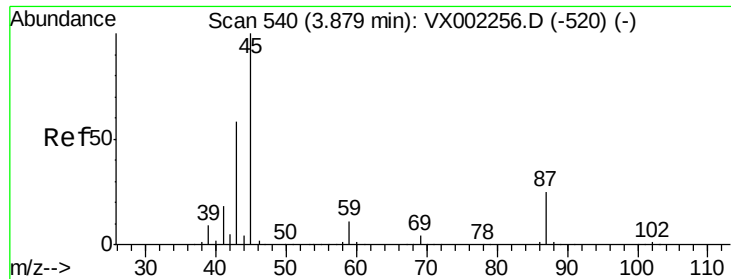
Tot Ion: 73 Resp: 41
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

Tgt Ion: 84 Resp: 542
Ion Ratio Lower Upper
84 100
49 89.2 107.8 161.6#
51 44.6 32.8 49.2
86 74.8 52.5 78.7

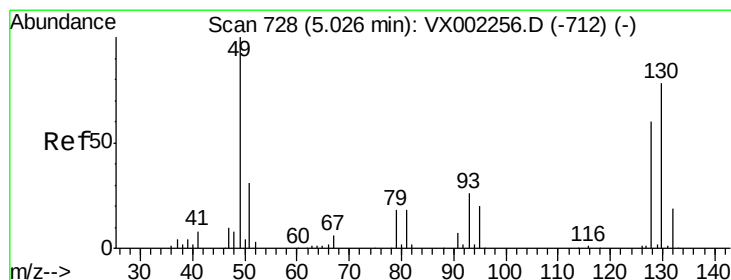
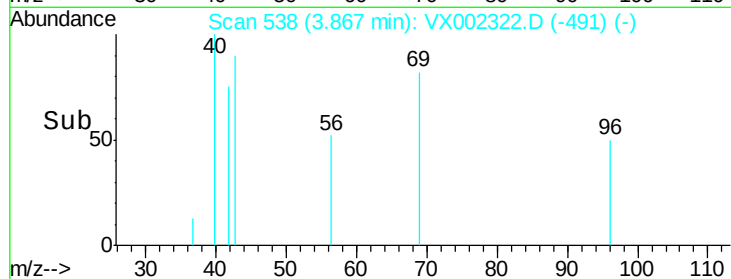
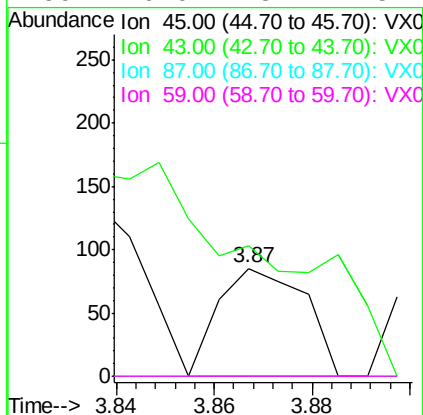
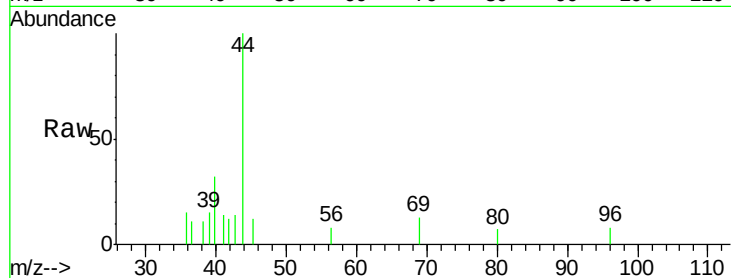




#22
Diisopropyl ether
Concen: Below Cal
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

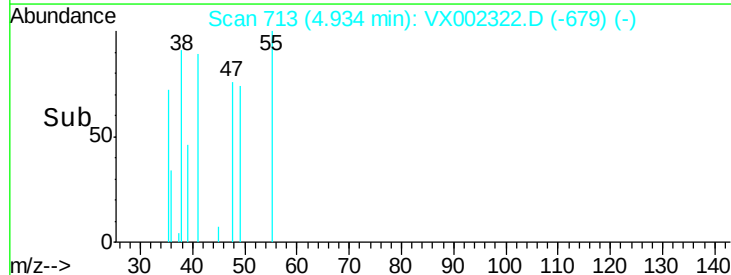
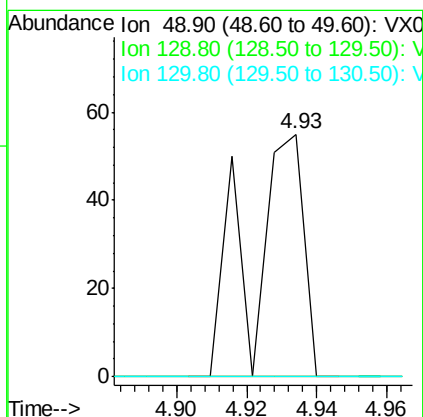
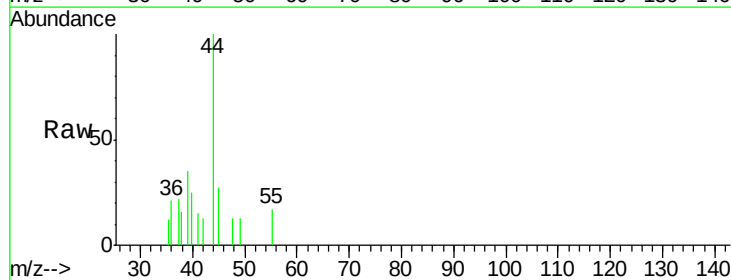
Instrument :
MSVOA_X
ClientSampled :

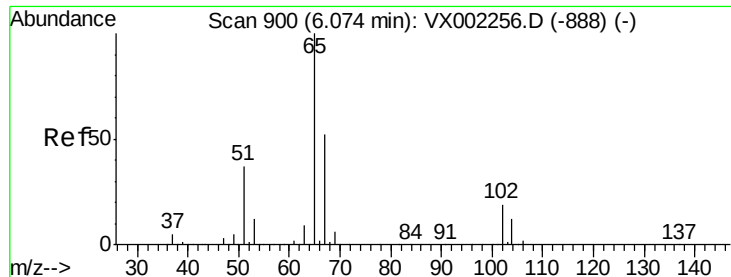
Tot Ion:	45	Resp:	105
Ion	Ratio	Lower	Upper
45	100		
43	8.2	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#



#28
Bromochloromethane
Concen: Below Cal
RT: 4.93 min Scan# 713
Delta R.T. -0.09 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

Tgt Ion:	49	Resp:	57
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#

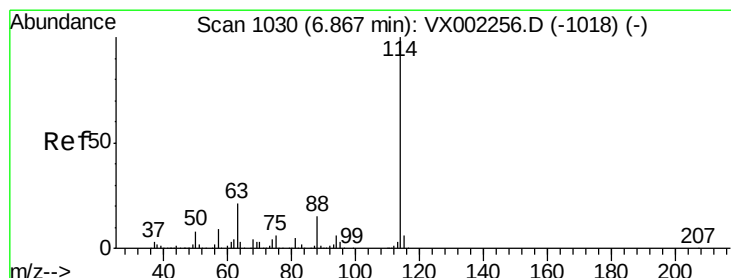
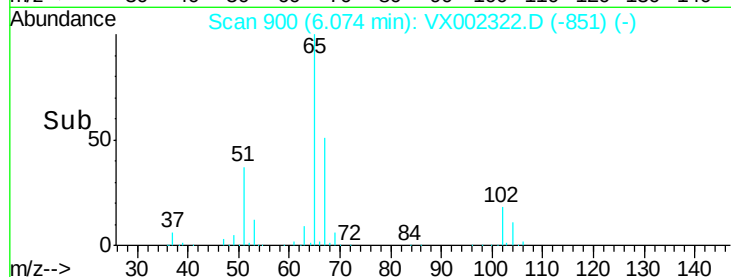
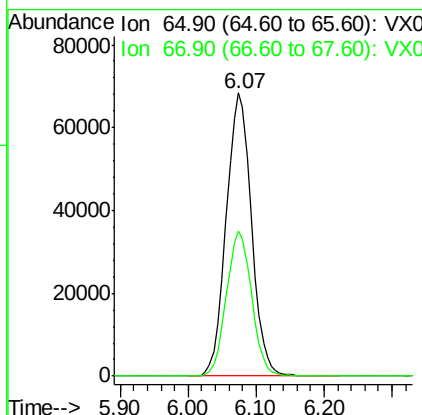
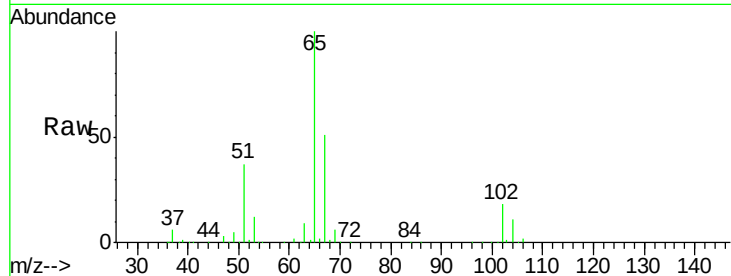




#33
 1,2-Dichloroethane-d4
 Concen: 56.92 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002322.D
 Acq: 05 Jun 2018 23:31

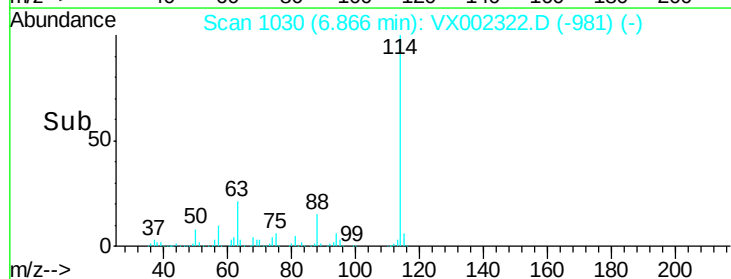
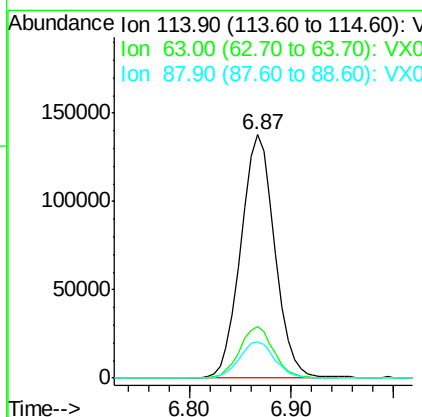
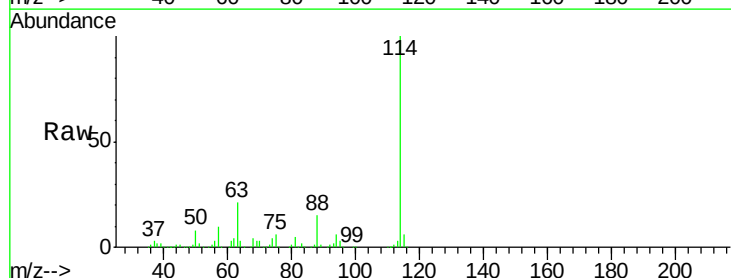
Instrument :
 MSVOA_X
 ClientSampleId :

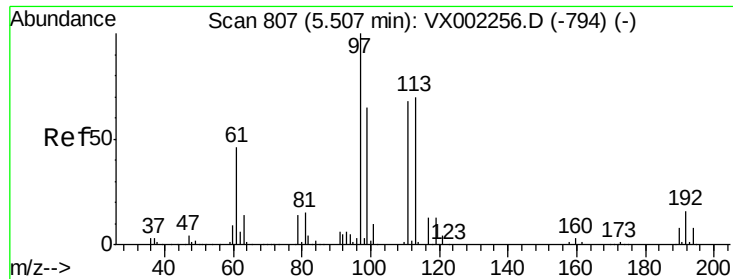
Tot Ion: 65 Resp: 175845
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002322.D
 Acq: 05 Jun 2018 23:31

Tgt Ion: 114 Resp: 319563
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.4
 88 14.7 0.0 30.0

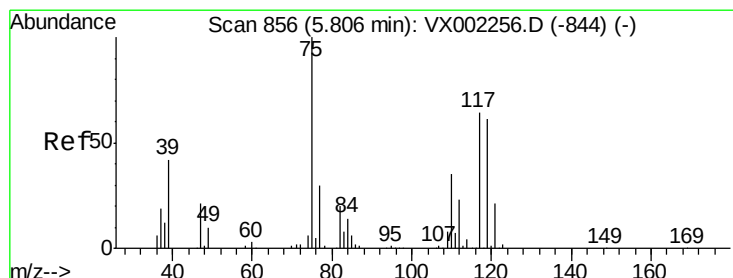
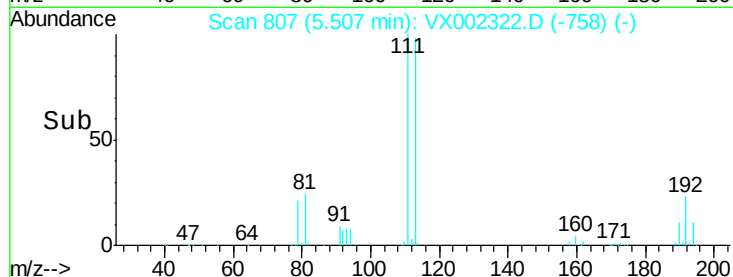
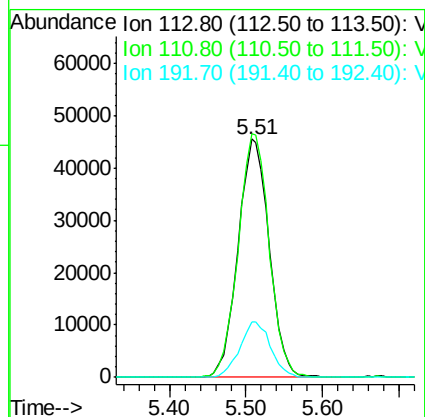
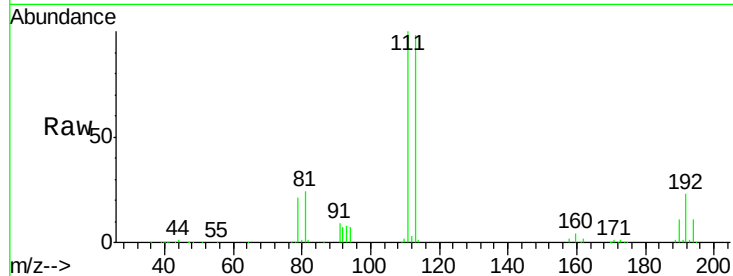




#35
 Dibromofluoromethane
 Concen: 51.10 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002322.D
 Acq: 05 Jun 2018 23:31

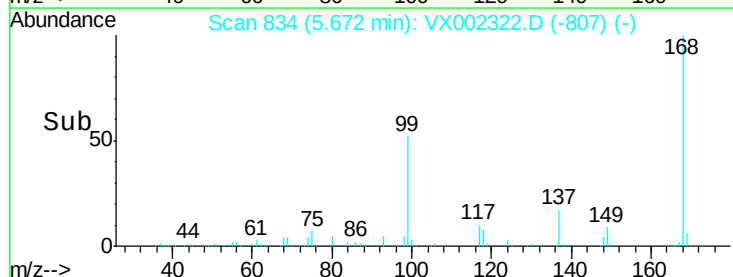
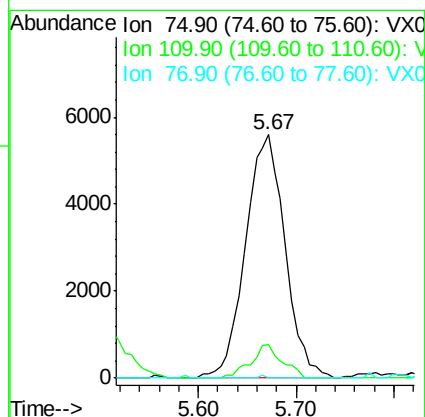
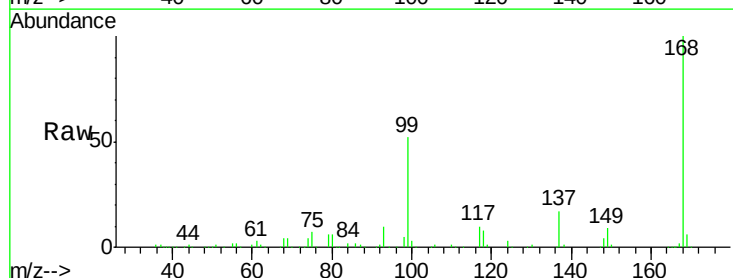
Instrument :
 MSVOA_X
 ClientSampleId :

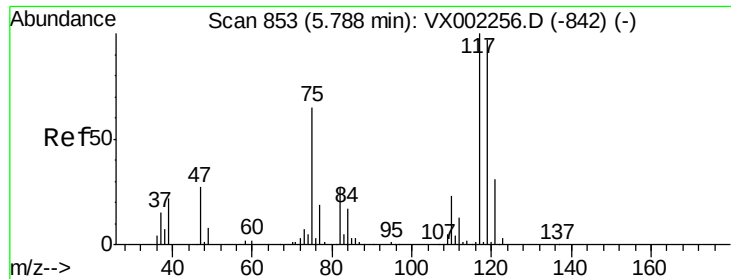
Tot Ion:113 Resp: 128416
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 23.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.69 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002322.D
 Acq: 05 Jun 2018 23:31

Tgt Ion: 75 Resp: 15756
 Ion Ratio Lower Upper
 75 100
 110 10.9 18.1 54.4#
 77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.78 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002322.D

Acq: 05 Jun 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

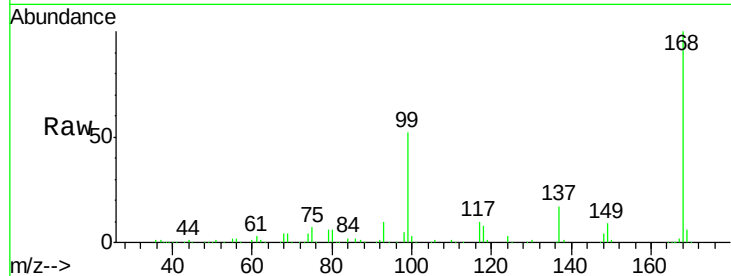
Tot Ion:117 Resp: 20309

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.0#

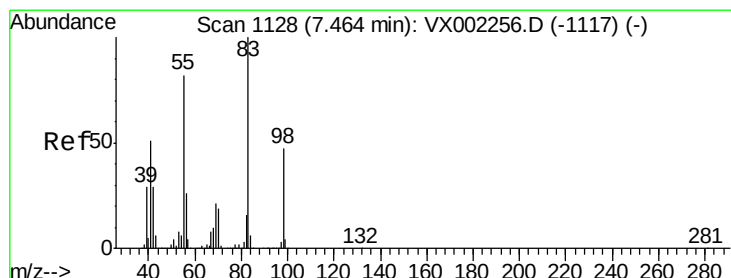
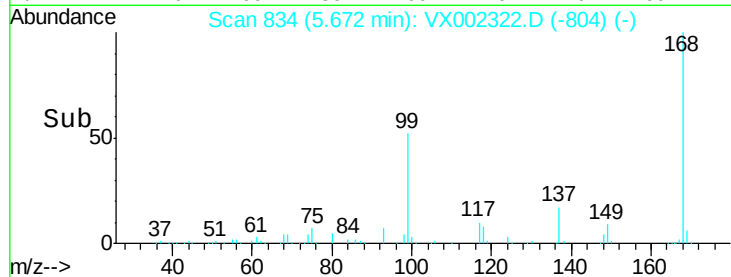
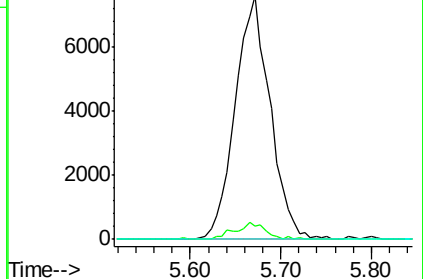
121 0.0 24.4 36.6#



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: 0.29 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX002322.D

Acq: 05 Jun 2018 23:31

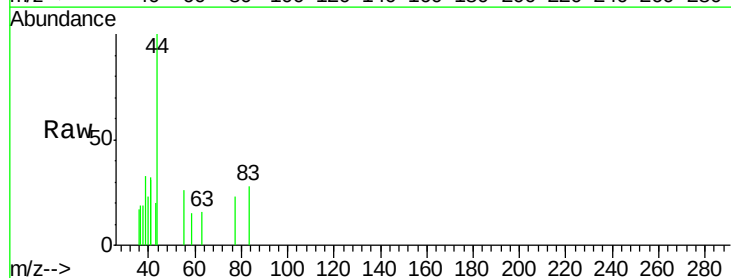
Tgt Ion: 83 Resp: 120

Ion Ratio Lower Upper

83 100

55 95.0 65.4 98.0

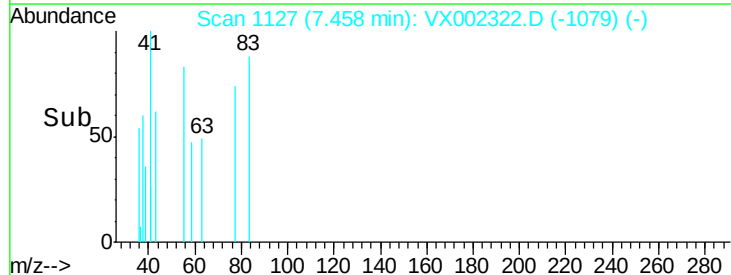
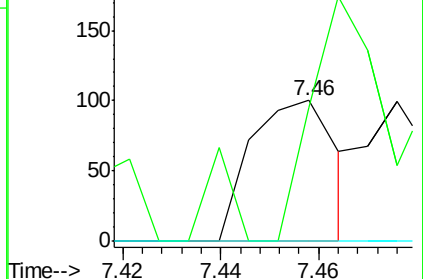
98 0.0 37.4 56.0#

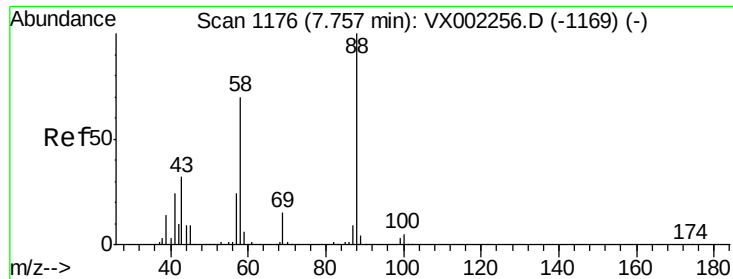


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

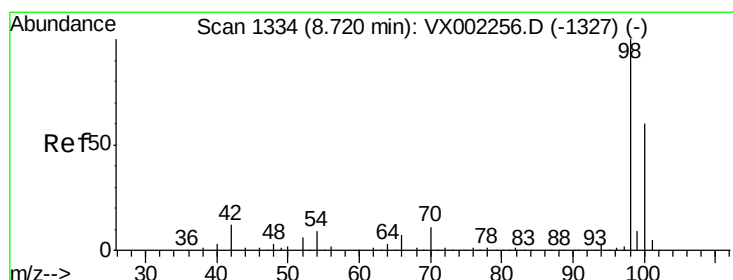
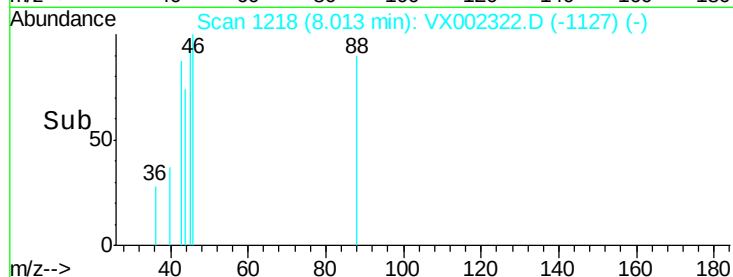
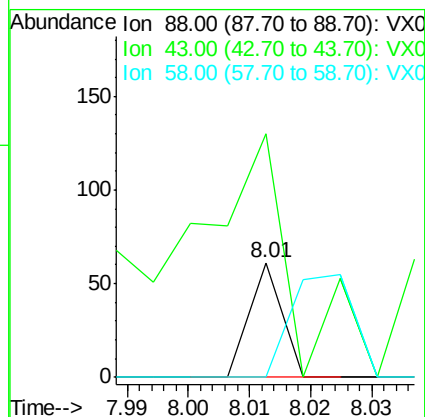
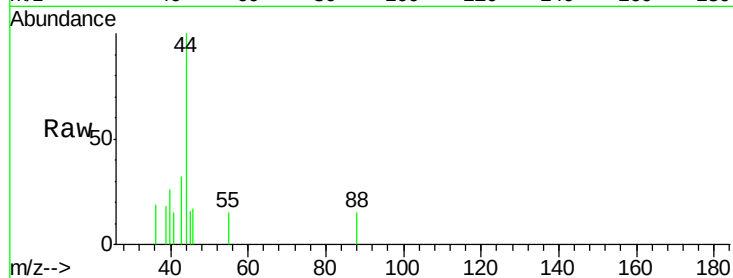




#49
1,4-Dioxane
Concen: 0.34 ug/l
RT: 8.01 min Scan# 1218
Delta R.T. 0.26 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

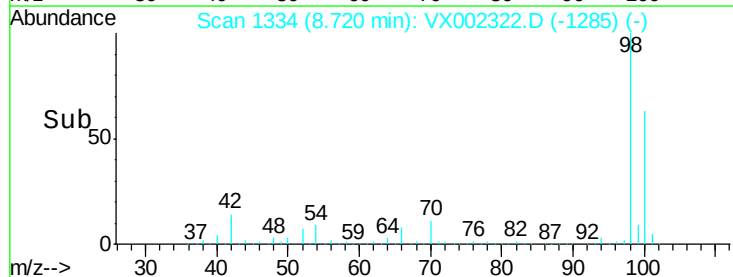
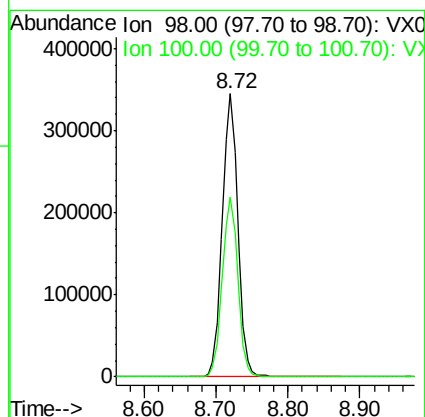
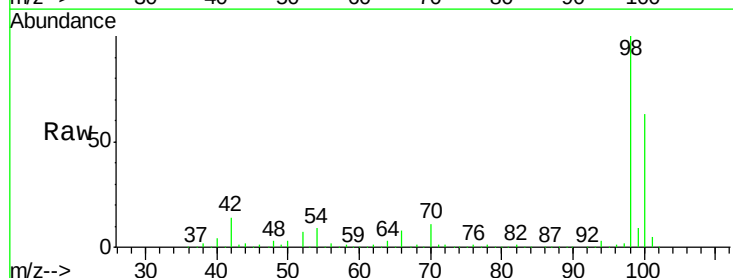
Instrument :
MSVOA_X
ClientSampled :

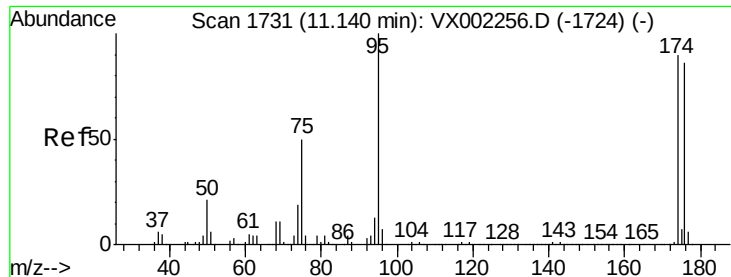
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 577.3 29.8 44.6#
58 177.3 57.1 85.7#



#50
Toluene-d8
Concen: 53.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

Tgt Ion: 98 Resp: 518437
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

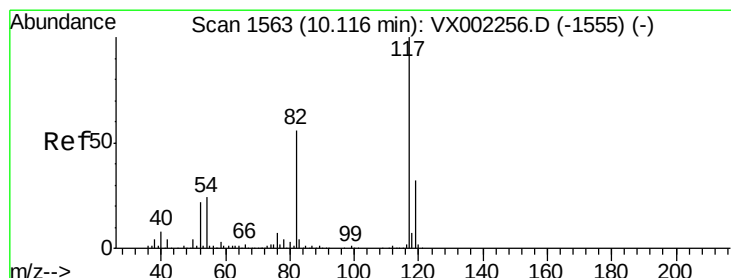
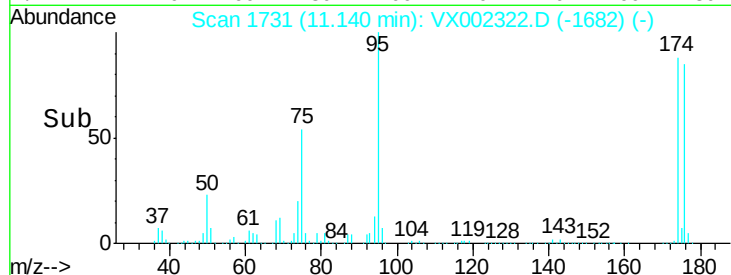
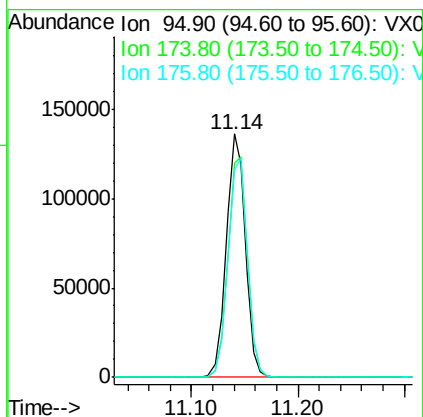
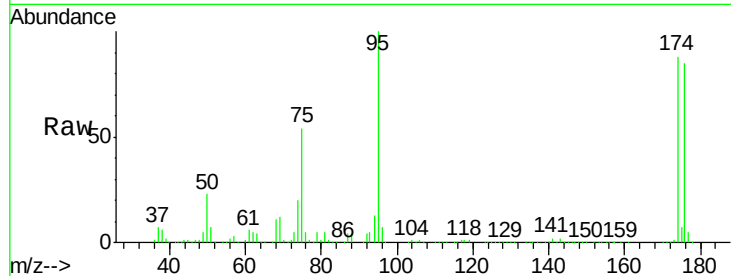




#62
4-Bromofluorobenzene
Concen: 45.98 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

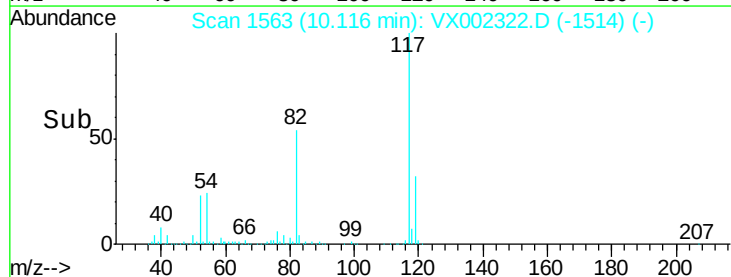
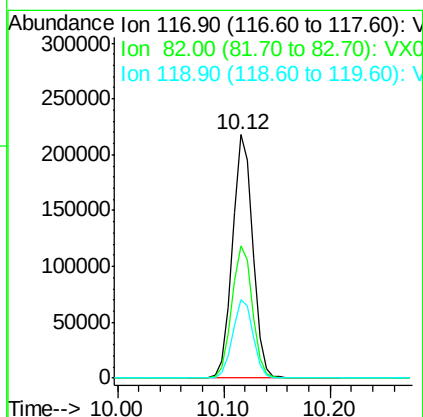
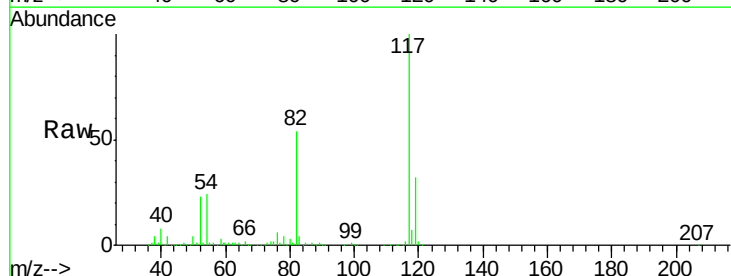
Instrument :
MSVOA_X
ClientSampleId :

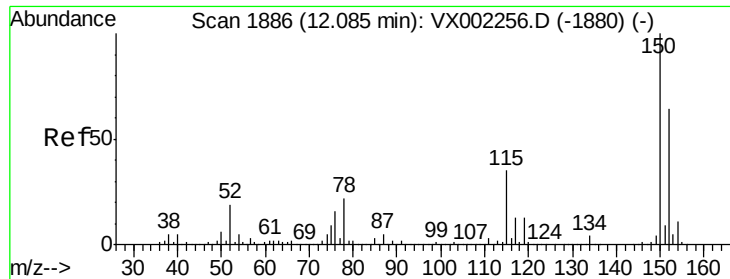
Tot Ion: 95 Resp: 170790
Ion Ratio Lower Upper
95 100
174 93.3 0.0 187.4
176 91.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002322.D
Acq: 05 Jun 2018 23:31

Tgt Ion: 117 Resp: 293155
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002322.D

Acq: 05 Jun 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :

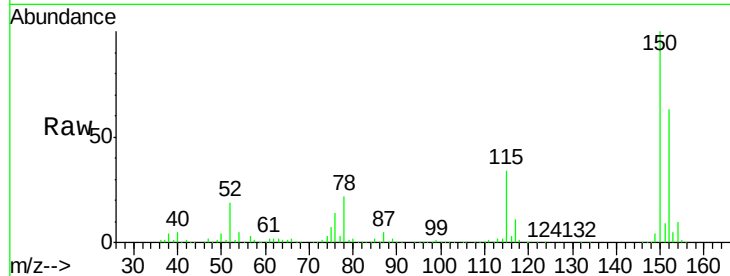
Tot Ion:152 Resp: 152902

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

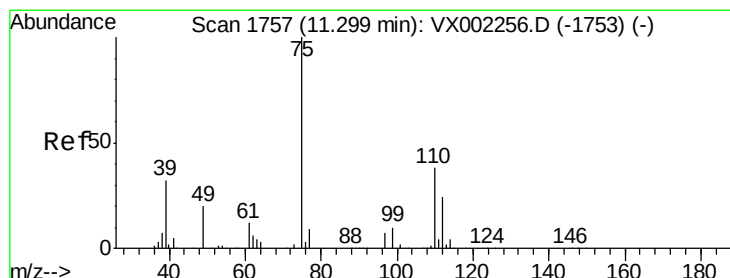
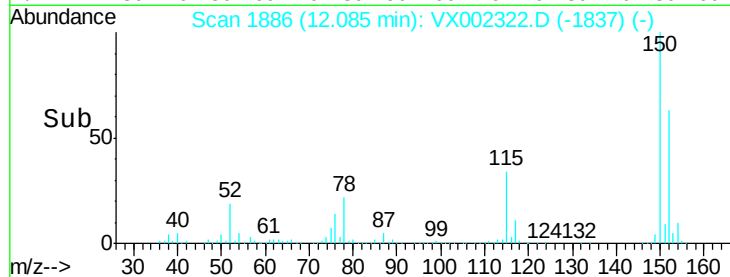
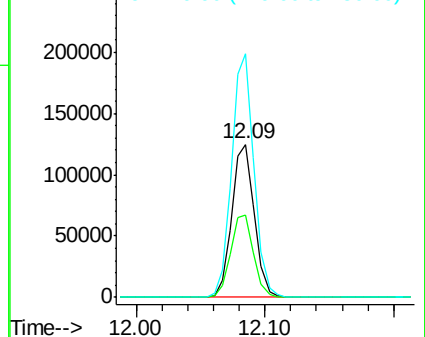
150 157.5 0.0 347.2



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: 27.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002322.D

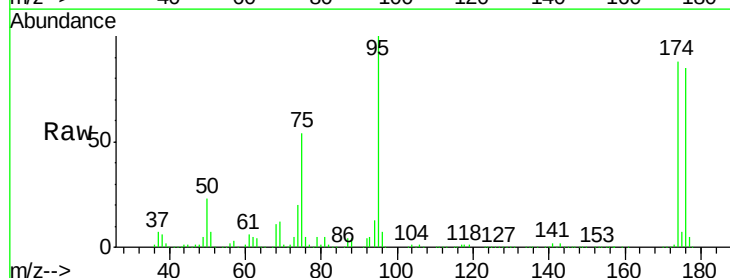
Acq: 05 Jun 2018 23:31

Tgt Ion: 75 Resp: 92804

Ion Ratio Lower Upper

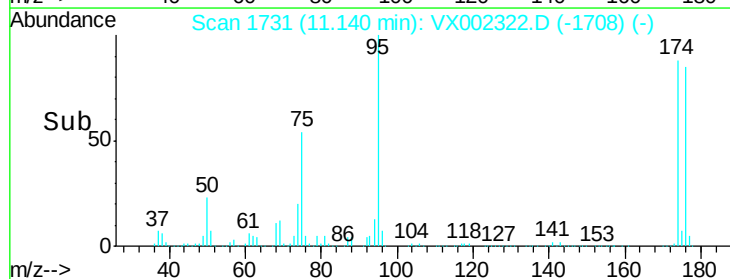
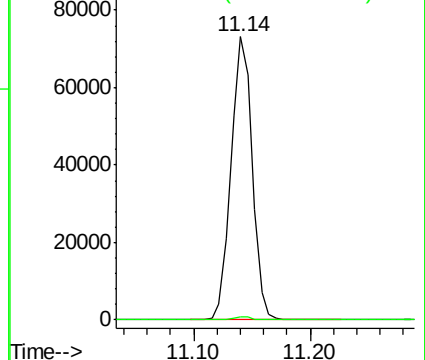
75 100

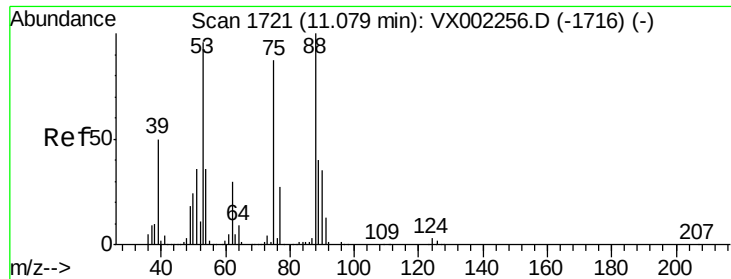
77 1.2 22.8 68.3#



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: 96.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

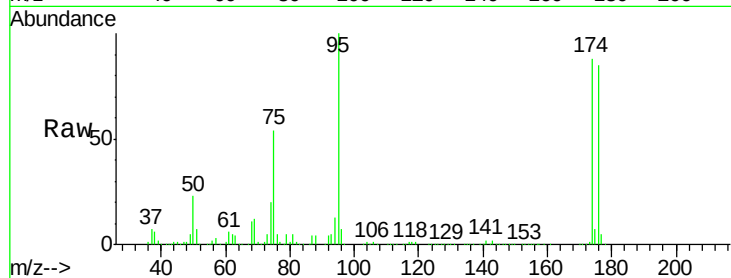
Lab File: VX002322.D

Acq: 05 Jun 2018 23:31

Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	75	Resp:	92804
Ion	Ratio	Lower	Upper
75	100		
53	0.0	86.8	130.2#
89	0.0	38.2	57.2#

