

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060518\
 Data File : VX002326.D
 Acq On : 06 Jun 2018 01:17
 Operator : JC/MD
 Sample : J3308-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 04:38:40 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	237986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	350330	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182818	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	170530	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
35) Dibromofluoromethane	5.51	113	124441	45.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.34%	
50) Toluene-d8	8.72	98	504897	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.14	95	178750	43.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.80%	

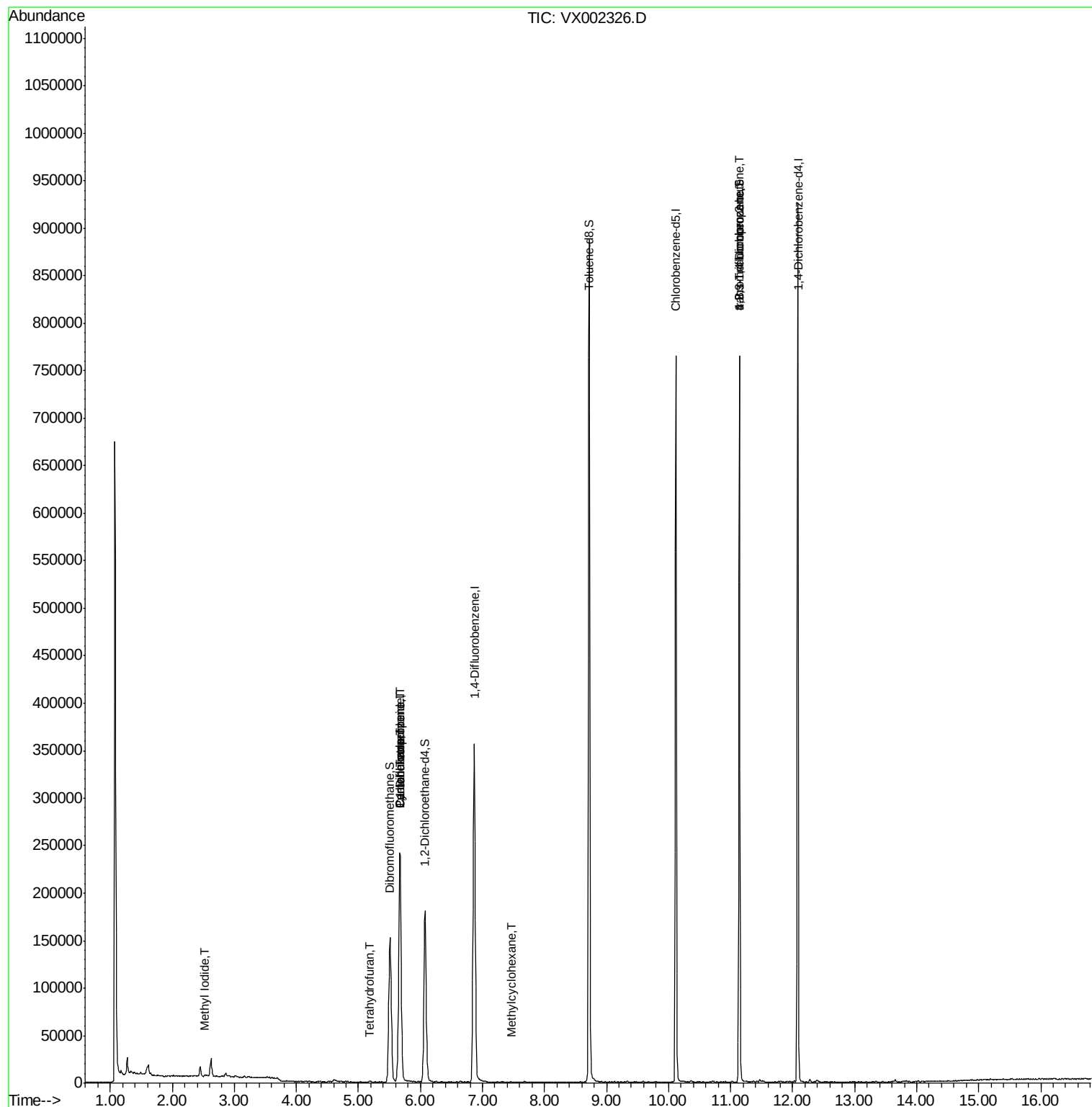
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	844	Below Cal	#	72
5) Bromomethane	1.65	94	1652	Below Cal		91
8) Diethyl Ether	2.23	74	60	Below Cal		73
10) Methyl Iodide	2.52	142	2227	0.62	ug/l #	95
11) Tert butyl alcohol	3.07	59	383	Below Cal	#	19
13) Acrolein	2.26	56	224	Below Cal	#	61
15) Acrylonitrile	3.16	53	624	Below Cal		99
16) Acetone	2.45	43	10430	Below Cal		93
18) Methyl Acetate	2.84	43	311	Below Cal		97
19) Methyl tert-butyl Ether	3.25	73	49	Below Cal	#	54
20) Methylene Chloride	2.85	84	1676	Below Cal	#	91
22) Diisopropyl ether	3.85	45	85	Below Cal	#	83
28) Bromochloromethane	5.02	49	19	Below Cal	#	13
29) Tetrahydrofuran	5.18	42	686	0.46	ug/l #	86
31) Cyclohexane	5.67	56	5571	1.30	ug/l #	18
36) 1,1-Dichloropropene	5.67	75	17412	4.73	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22545	5.85	ug/l #	15
39) Methylcyclohexane	7.47	83	48	0.27	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	96624	24.09	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96624	84.43	ug/l #	6

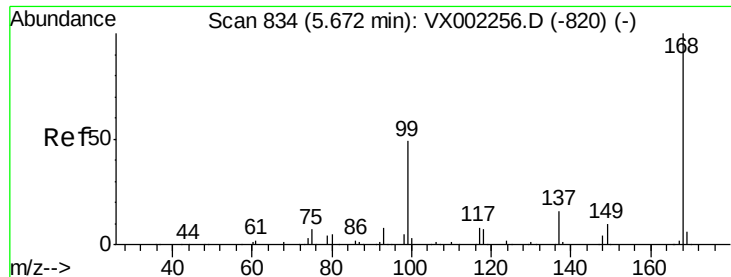
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 834

Delta R.T. -0.00 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

Instrument :

MSVOA_X

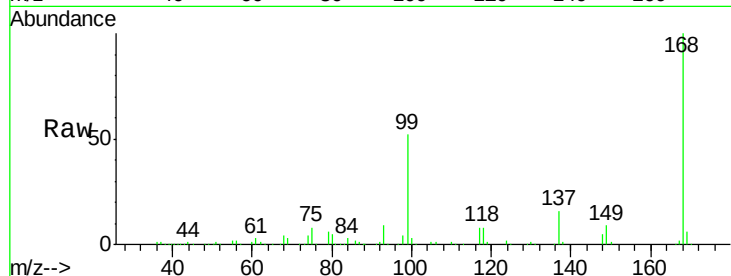
ClientSampled :

Tot Ion:168 Resp: 237986

Ion Ratio Lower Upper

168 100

99 52.1 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

80000

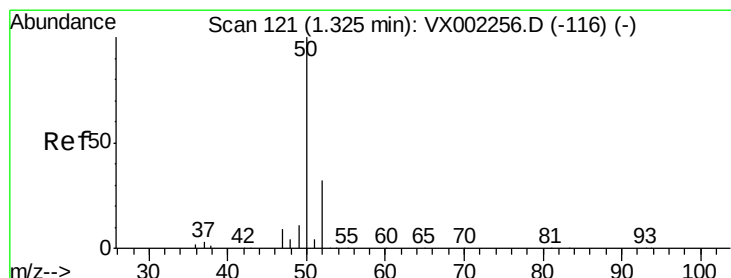
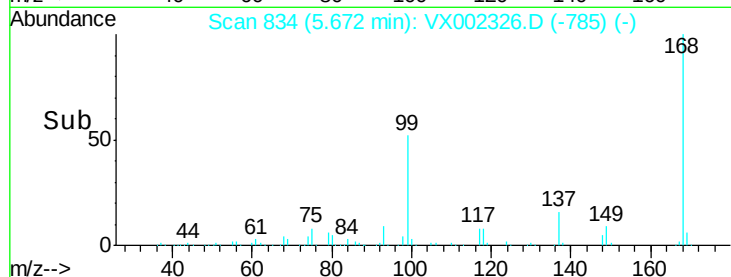
60000

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: VX002326.D

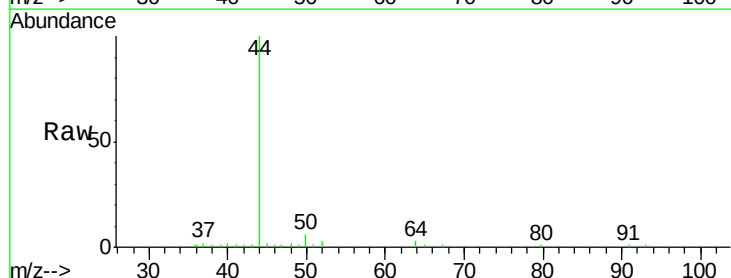
Acq: 06 Jun 2018 01:17

Tgt Ion: 50 Resp: 844

Ion Ratio Lower Upper

50 100

52 47.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

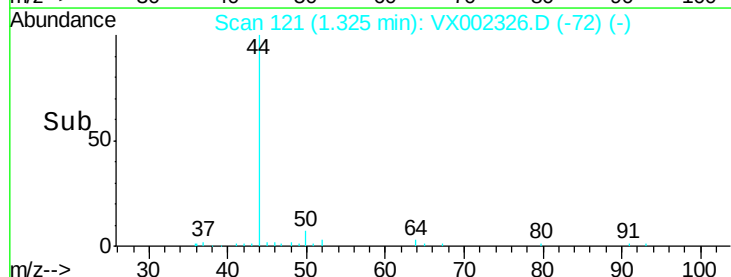
600

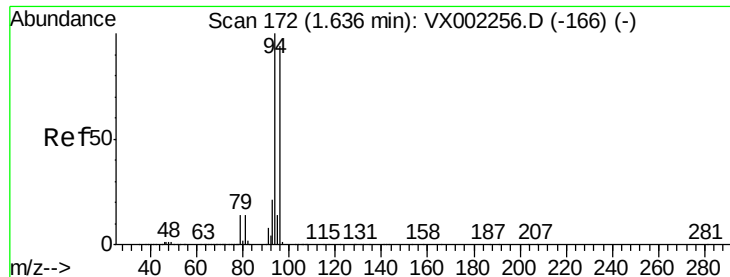
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

Instrument :

MSVOA_X

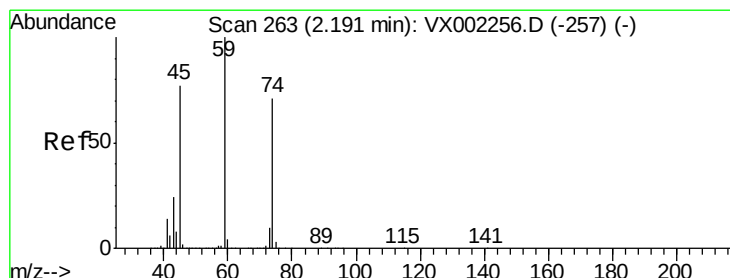
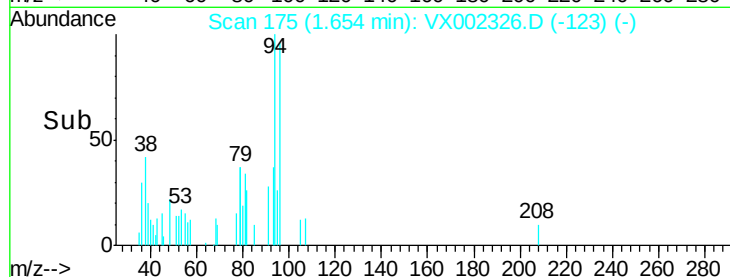
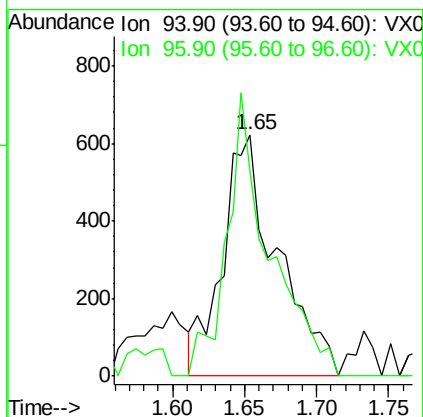
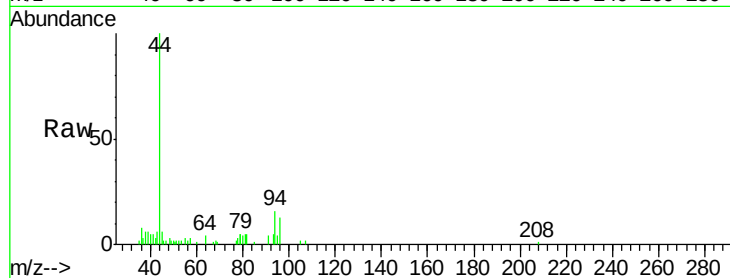
ClientSampleId :

Tot Ion: 94 Resp: 1652

Ion Ratio Lower Upper

94 100

96 85.4 74.9 112.3



#8

Diethyl Ether

Concen: Below Cal

RT: 2.23 min Scan# 270

Delta R.T. 0.04 min

Lab File: VX002326.D

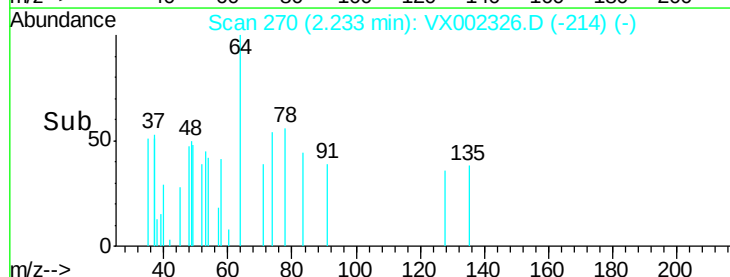
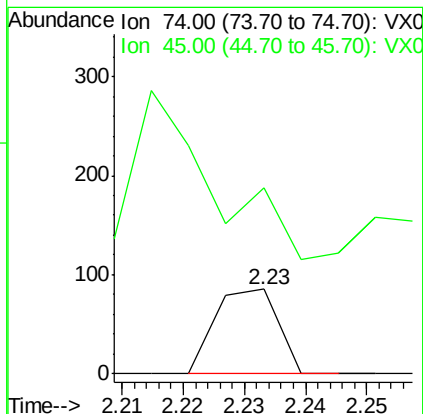
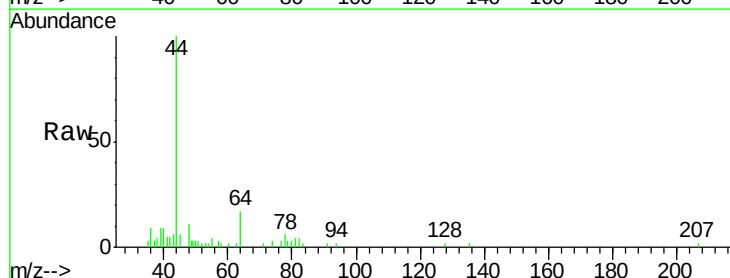
Acq: 06 Jun 2018 01:17

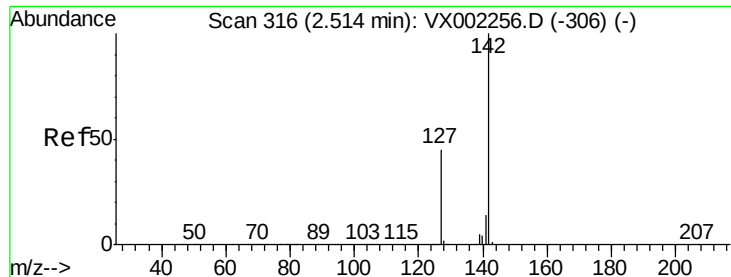
Tgt Ion: 74 Resp: 60

Ion Ratio Lower Upper

74 100

45 78.3 53.1 159.4

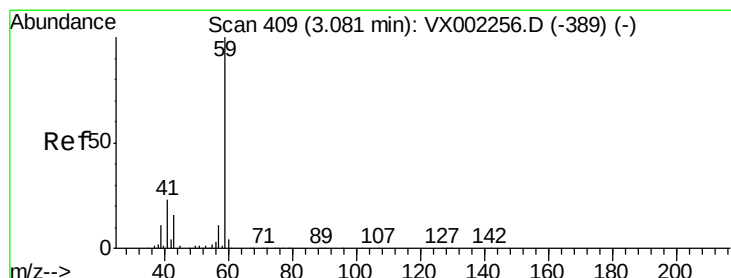
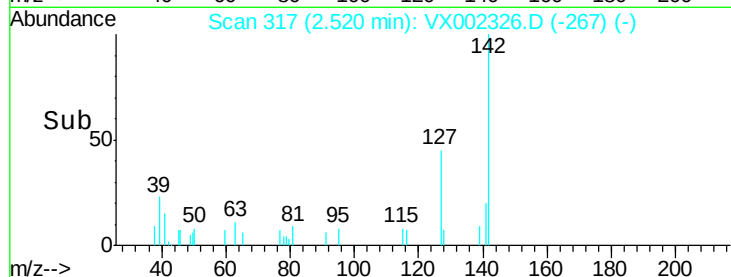
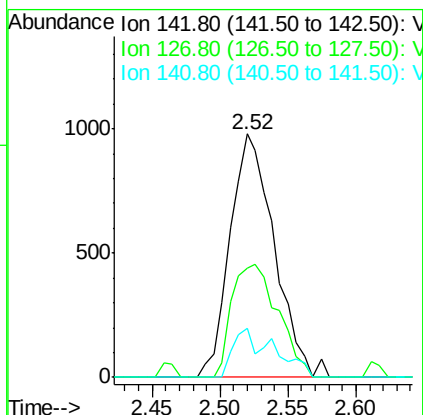
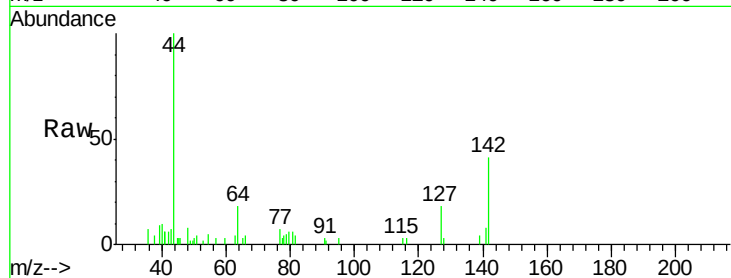




#10
Methyl Iodide
Concen: 0.62 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

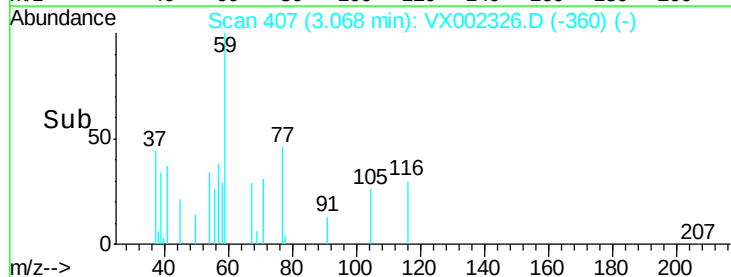
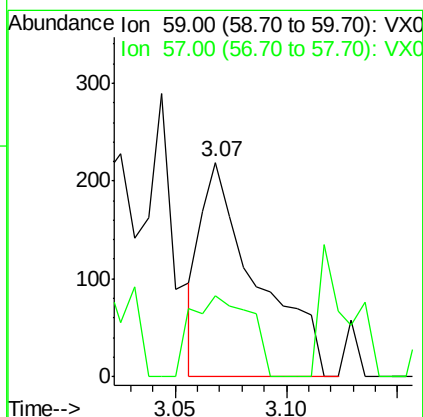
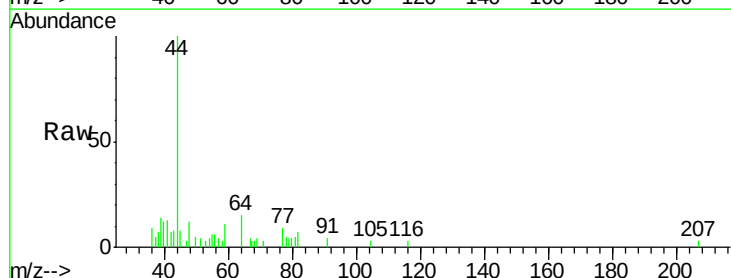
Instrument :
MSVOA_X
ClientSampled :

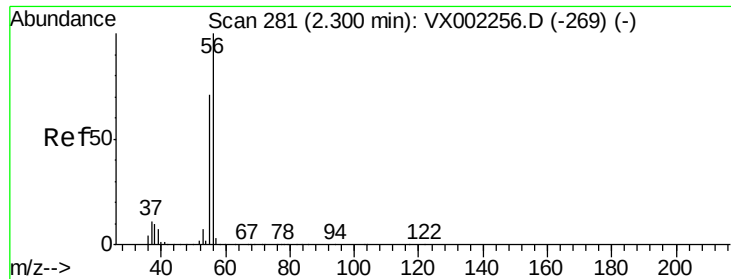
Tot Ion:142 Resp: 2227
Ion Ratio Lower Upper
142 100
127 48.4 36.6 55.0
141 18.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Tgt Ion: 59 Resp: 383
Ion Ratio Lower Upper
59 100
57 40.2 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.26 min Scan# 274

Delta R.T. -0.04 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

Instrument :

MSVOA_X

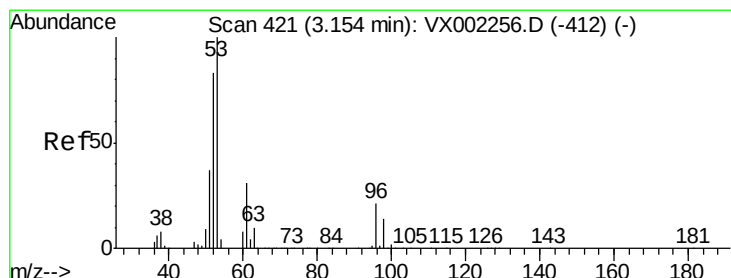
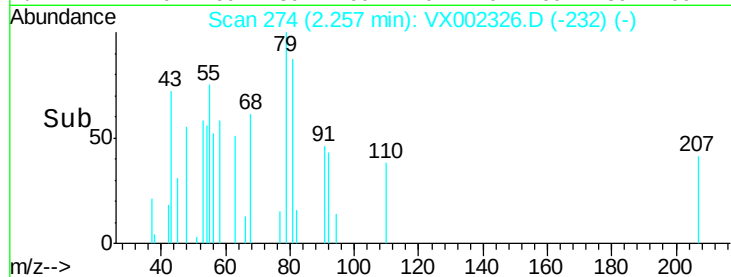
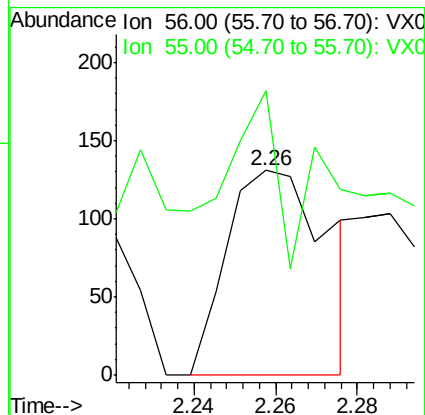
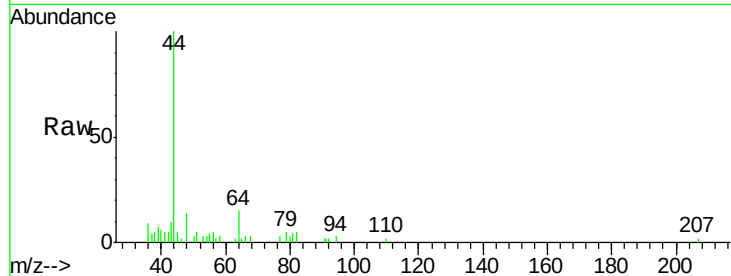
ClientSampled :

Tot Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

55 39.3 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

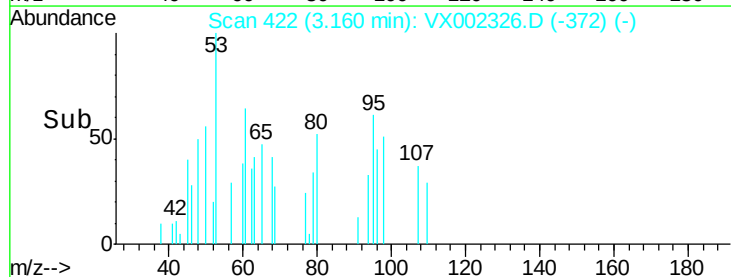
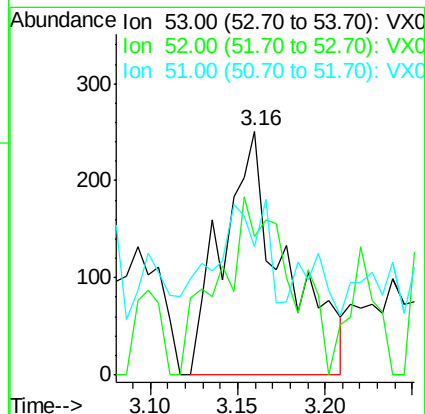
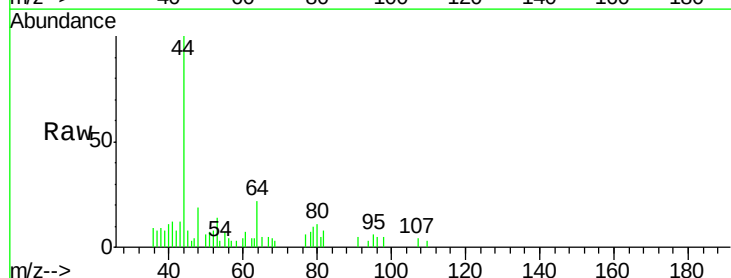
Tgt Ion: 53 Resp: 624

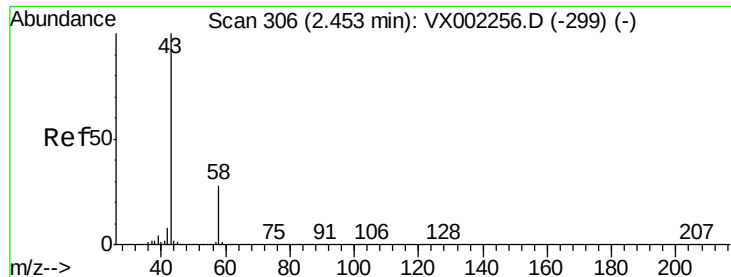
Ion Ratio Lower Upper

53 100

52 84.5 66.7 100.1

51 38.1 29.9 44.9

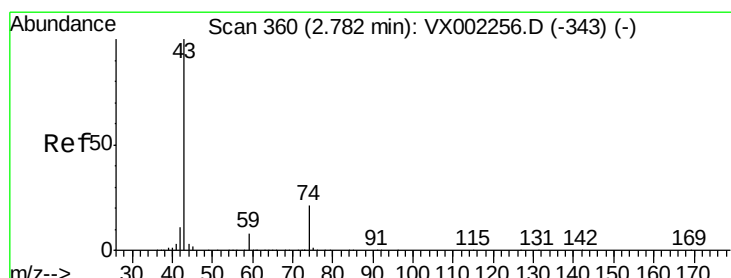
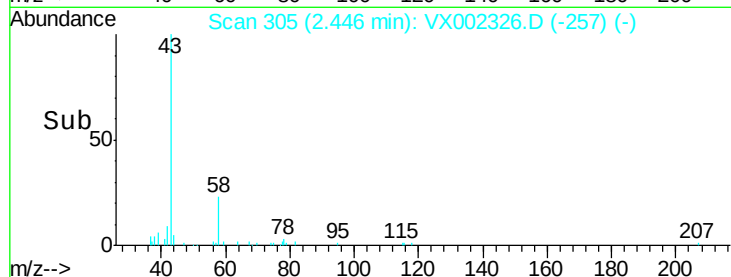
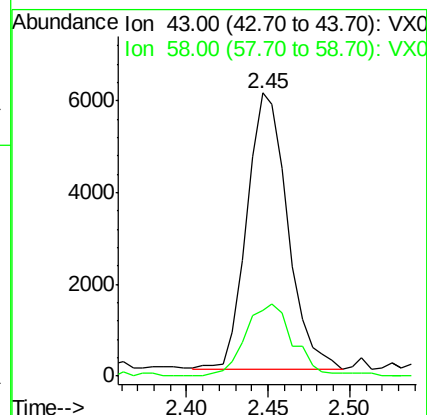
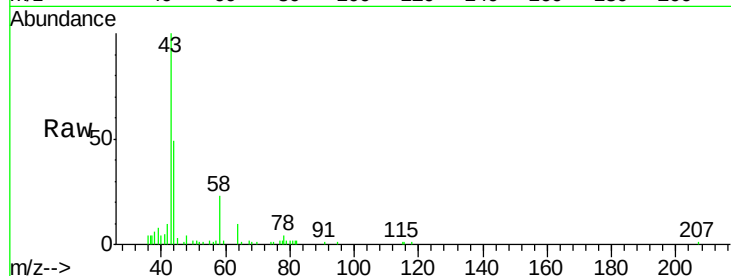




#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

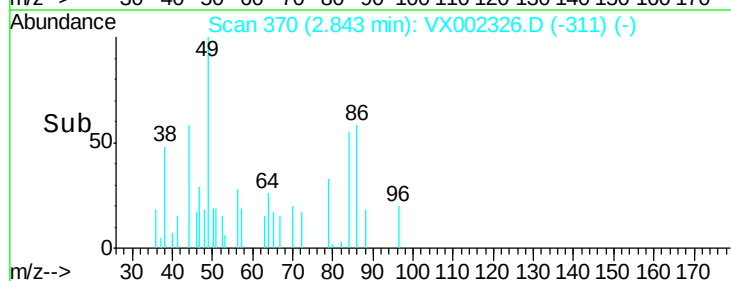
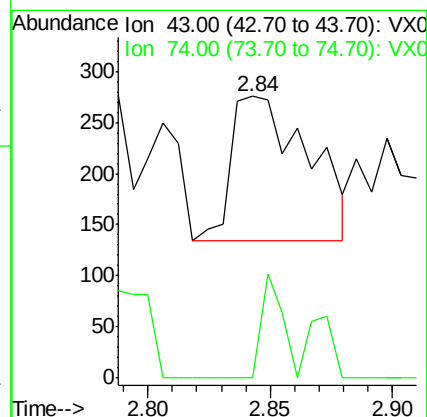
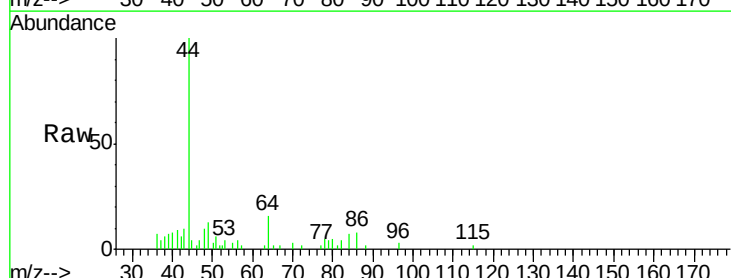
Instrument :
MSVOA_X
ClientSampleId :

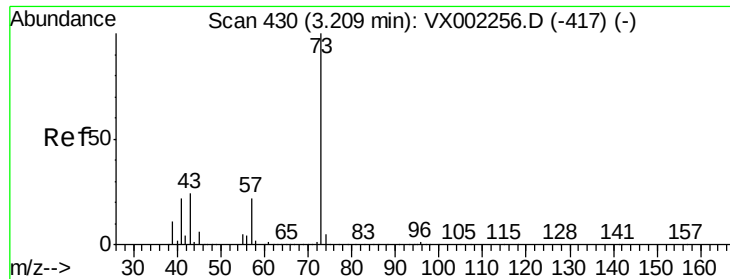
Tot Ion: 43 Resp: 10430
Ion Ratio Lower Upper
43 100
58 23.7 22.1 33.1



#18
Methyl Acetate
Concen: Below Cal
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
74 19.3 16.7 25.1



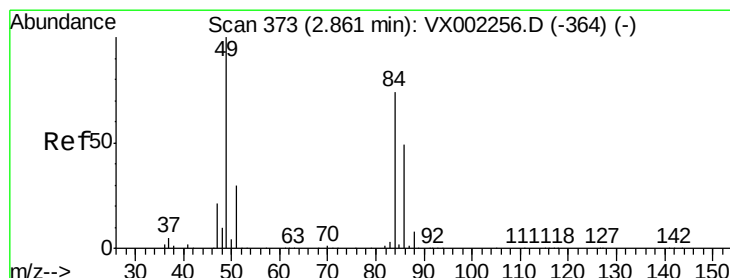
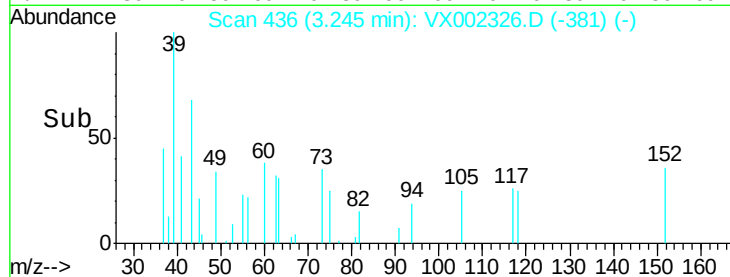
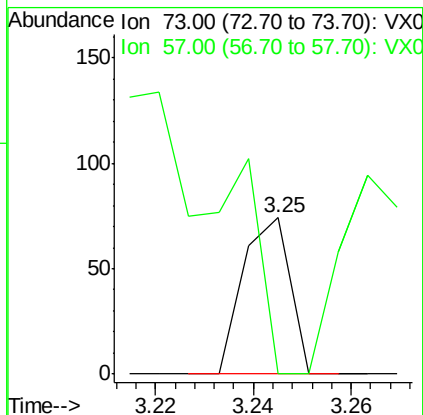
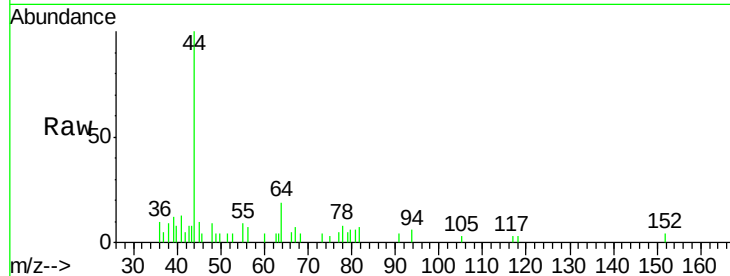


#19

Methyl tert-butyl Ether
 Concen: Below Cal
 RT: 3.25 min Scan# 436
 Delta R.T. 0.04 min
 Lab File: VX002326.D
 Acq: 06 Jun 2018 01:17

Instrument :
 MSVOA_X
 ClientSampled :

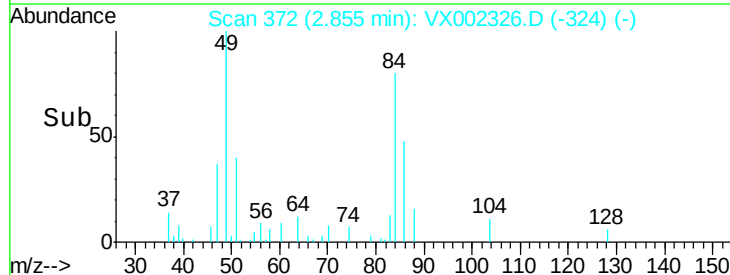
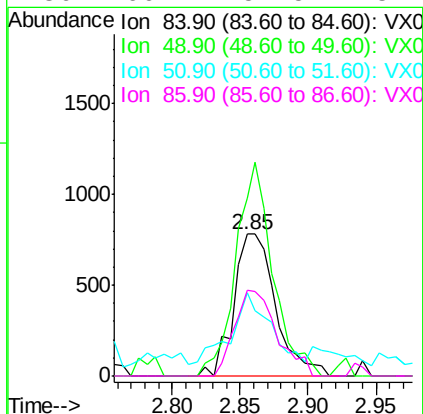
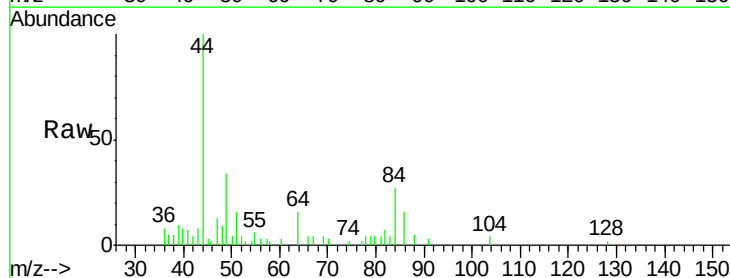
Tot Ion: 73 Resp: 49
 Ion Ratio Lower Upper
 73 100
 57 0.0 17.7 26.5#

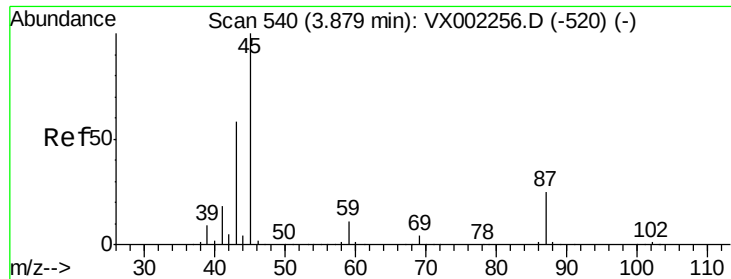


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.85 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX002326.D
 Acq: 06 Jun 2018 01:17

Tgt Ion: 84 Resp: 1676
 Ion Ratio Lower Upper
 84 100
 49 125.2 107.8 161.6
 51 50.2 32.8 49.2#
 86 60.2 52.5 78.7



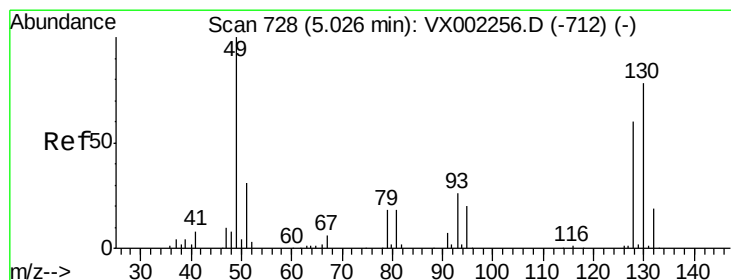
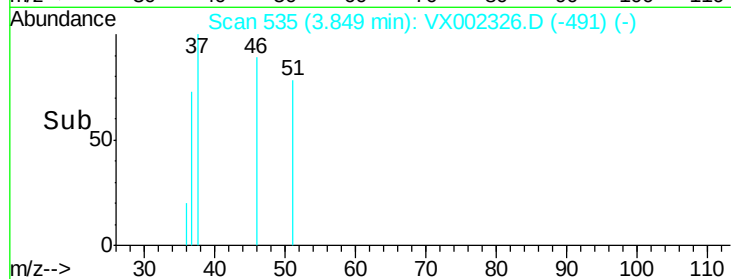
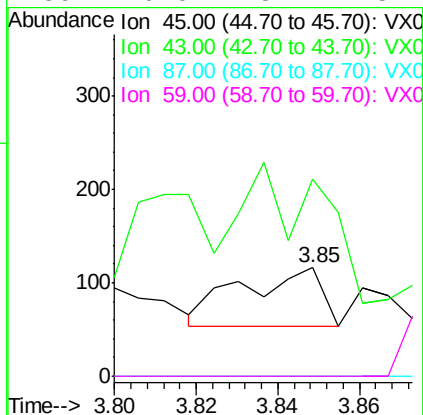
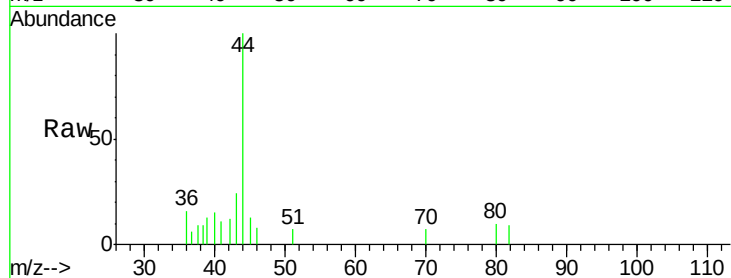


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.85 min Scan# 535
Delta R.T. -0.03 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Instrument :
MSVOA_X
ClientSampled :

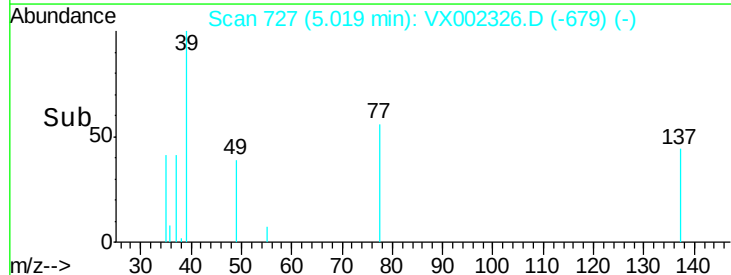
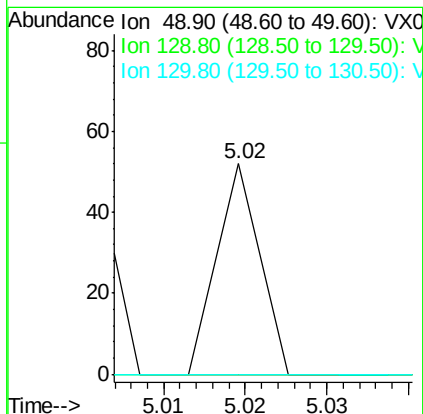
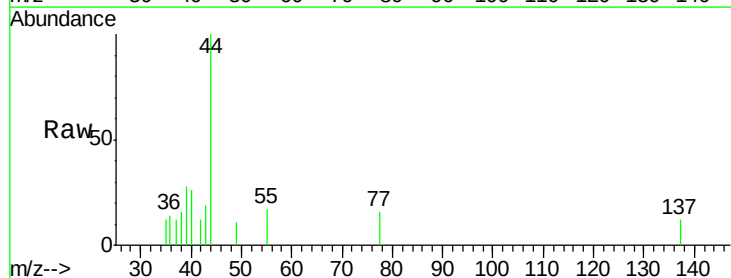
Tot Ion:	45	Resp:	85
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.8	70.2
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

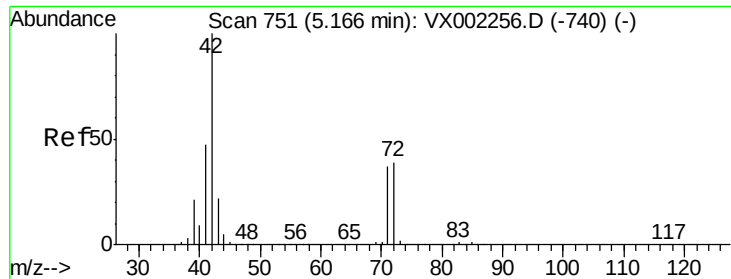


#28

Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Tgt Ion:	49	Resp:	19
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#

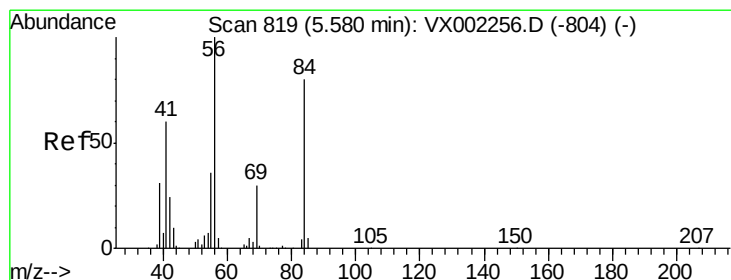
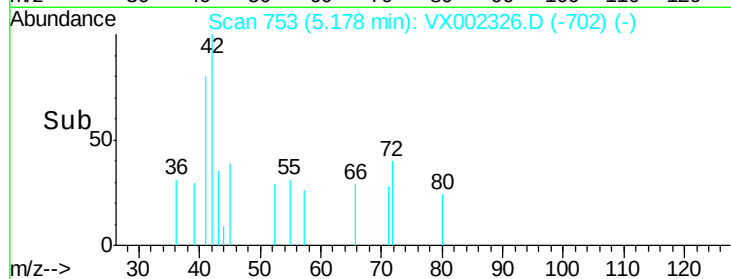
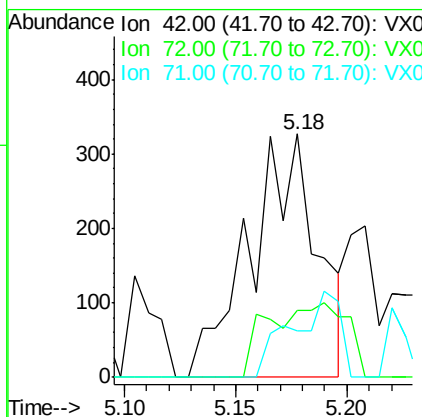
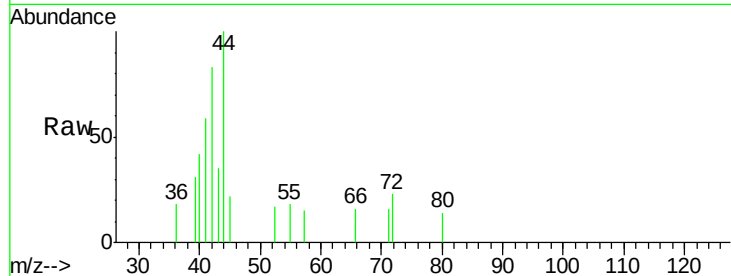




#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

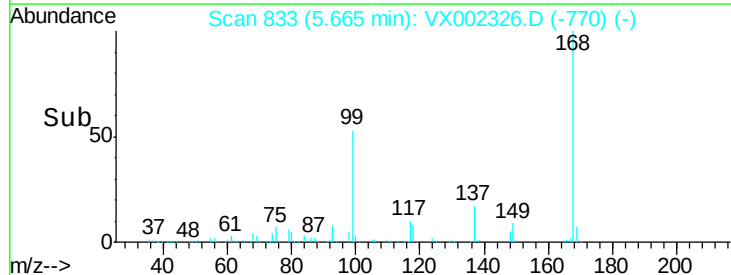
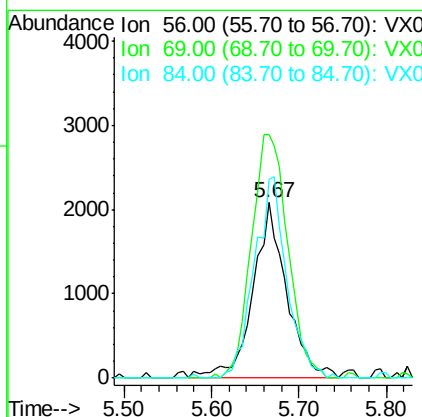
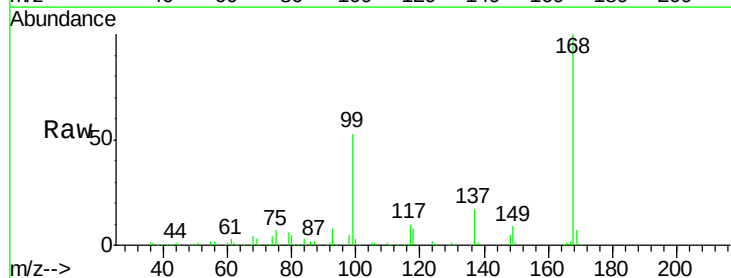
Instrument :
MSVOA_X
ClientSampled :

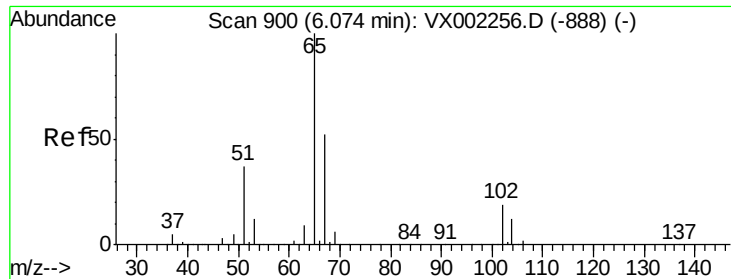
Tot Ion: 42 Resp: 686
Ion Ratio Lower Upper
42 100
72 35.7 32.0 48.0
71 25.1 30.1 45.1#



#31
Cyclohexane
Concen: 1.30 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Tgt Ion: 56 Resp: 5571
Ion Ratio Lower Upper
56 100
69 138.8 23.7 35.5#
84 113.5 64.1 96.1#

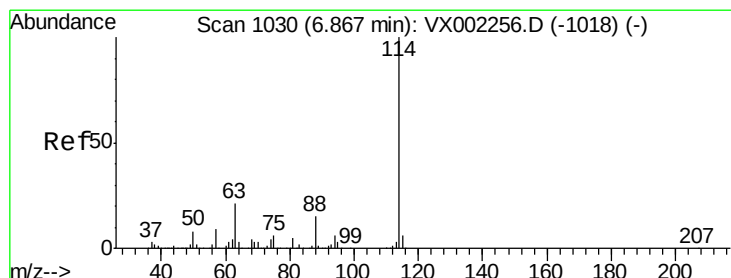
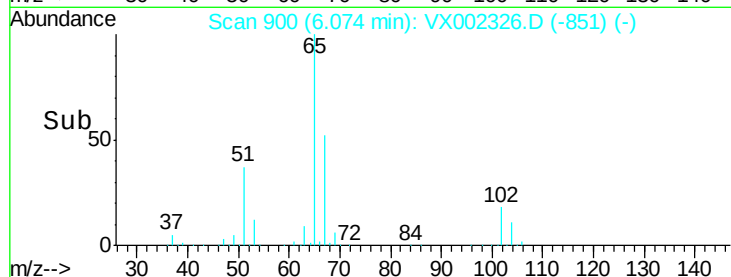
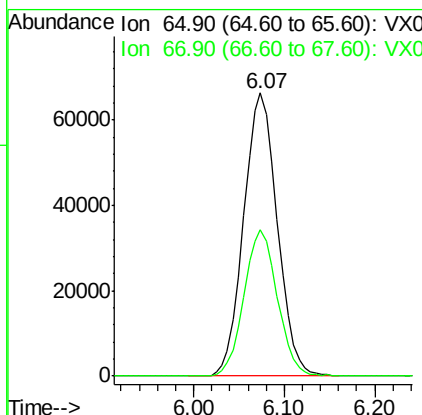
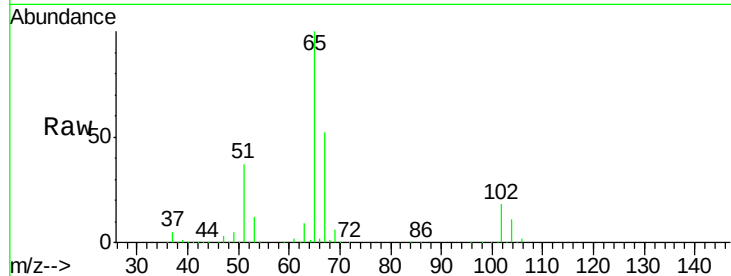




#33
 1,2-Dichloroethane-d4
 Concen: 50.12 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002326.D
 Acq: 06 Jun 2018 01:17

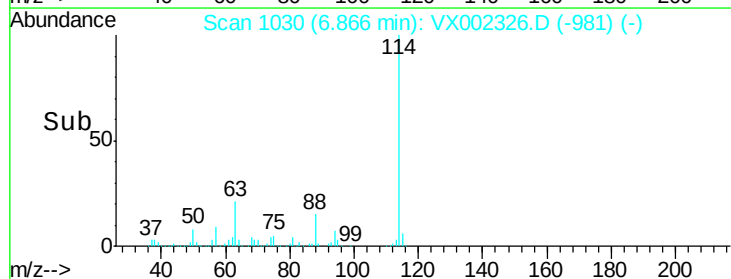
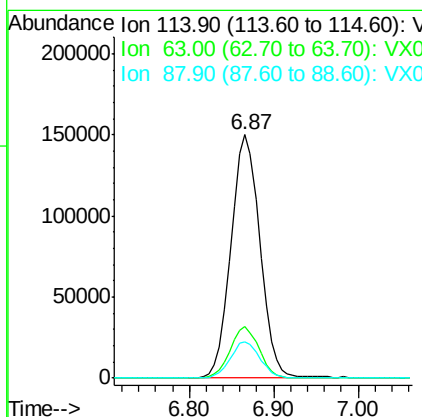
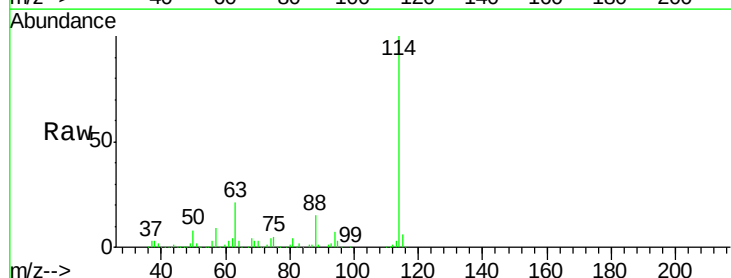
Instrument :
 MSVOA_X
 ClientSampleId :

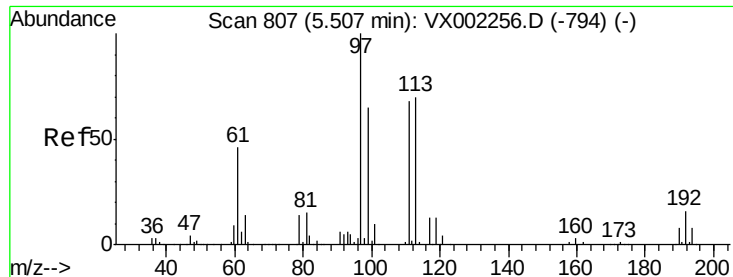
Tot Ion: 65 Resp: 170530
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002326.D
 Acq: 06 Jun 2018 01:17

Tgt Ion: 114 Resp: 350330
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.17 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

Instrument :

MSVOA_X

ClientSampled :

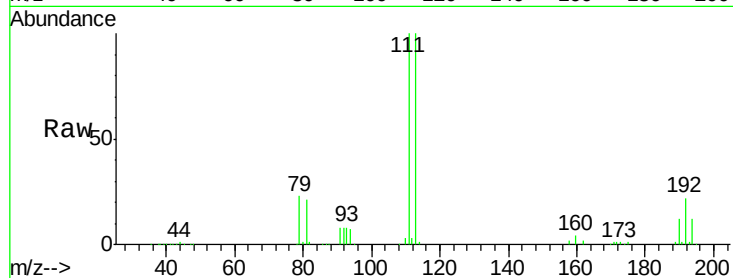
Tot Ion:113 Resp: 124441

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

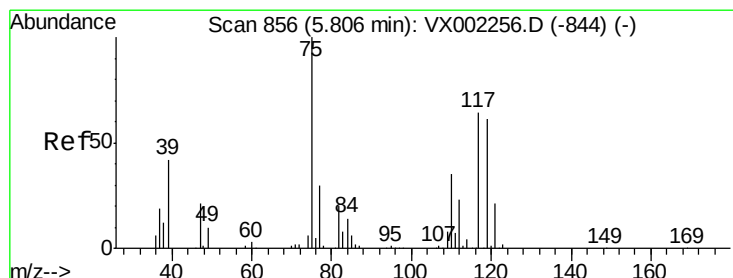
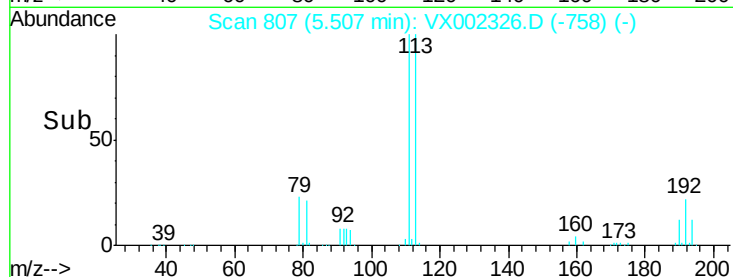
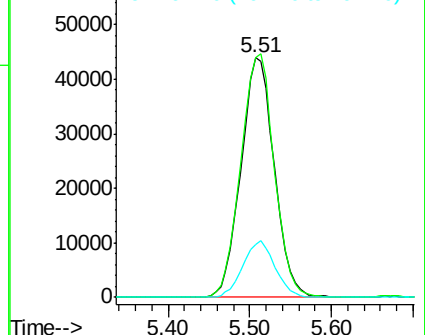
192 23.0 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

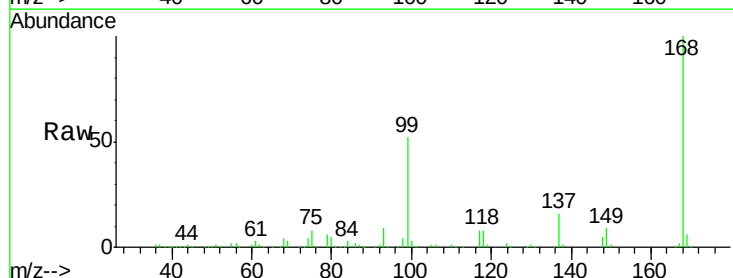
Tgt Ion: 75 Resp: 17412

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

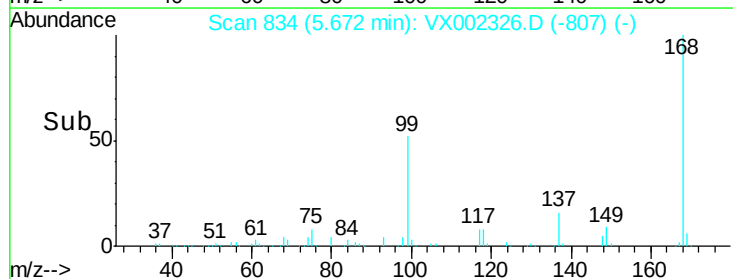
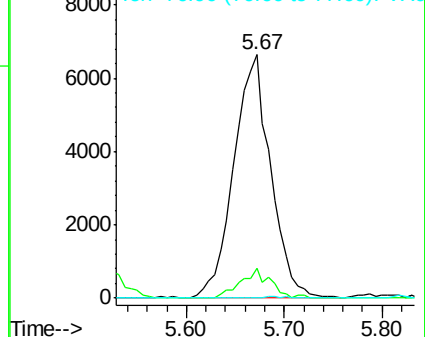
77 0.4 24.3 36.5#

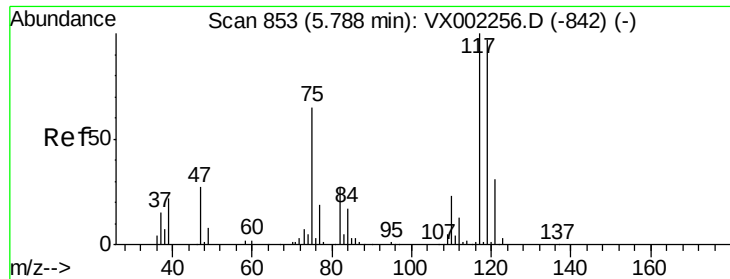


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

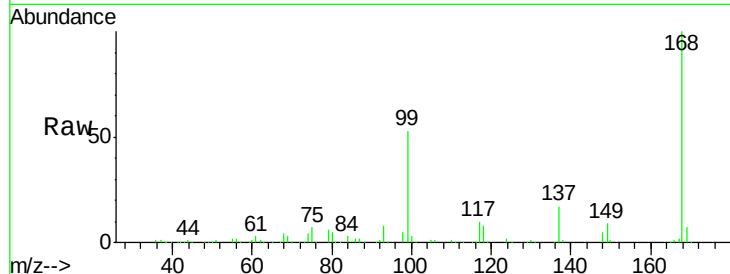




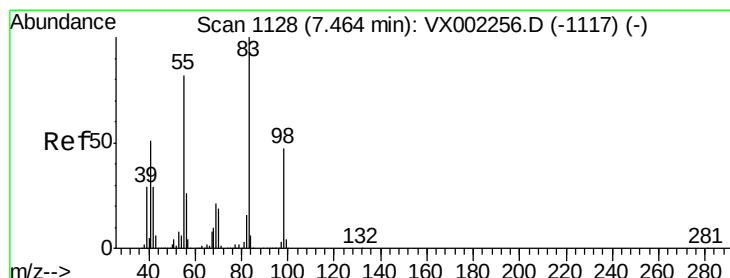
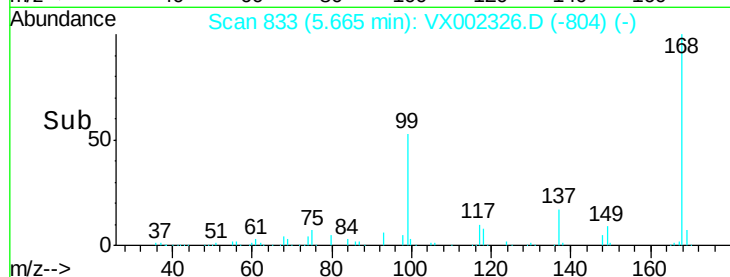
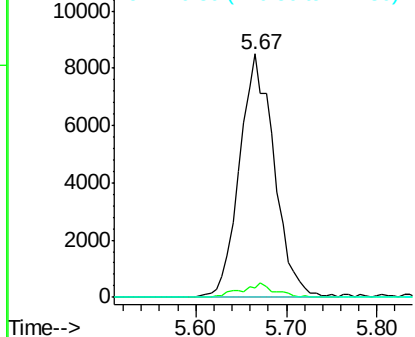
#38
Carbon Tetrachloride
Concen: 5.85 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 22545
Ion Ratio Lower Upper
117 100
119 4.0 77.4 116.0#
121 0.0 24.4 36.6#

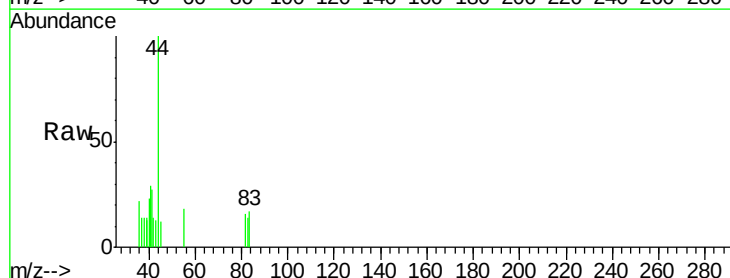


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

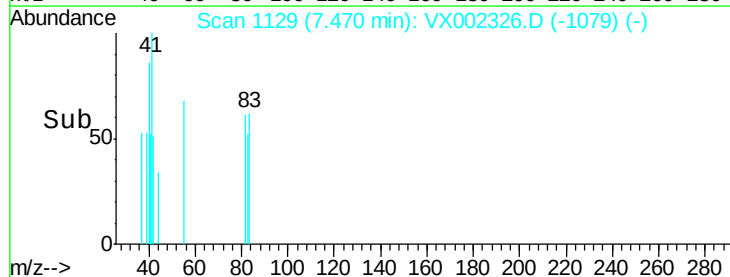
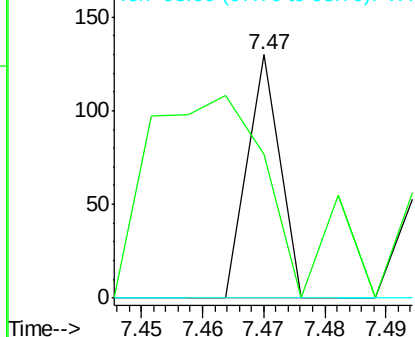


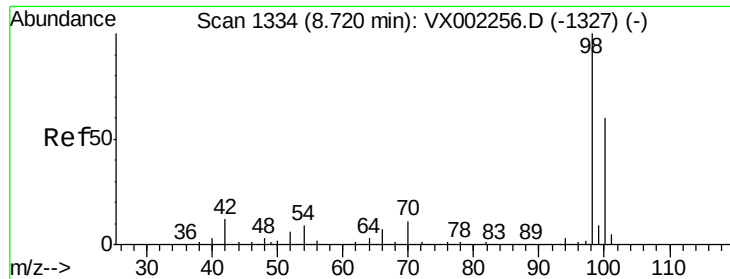
#39
Methylcyclohexane
Concen: 0.27 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Tgt Ion: 83 Resp: 48
Ion Ratio Lower Upper
83 100
55 16.9 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: 47.81 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

Instrument :

MSVOA_X

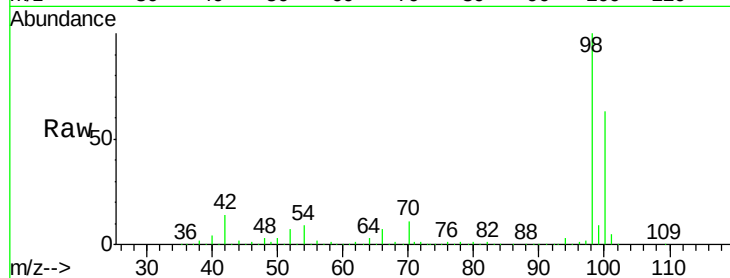
ClientSampleId :

Tot Ion: 98 Resp: 504897

Ion Ratio Lower Upper

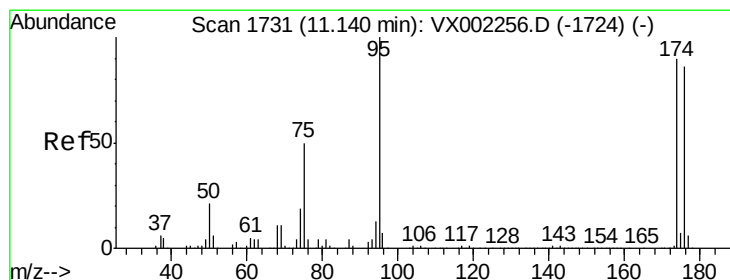
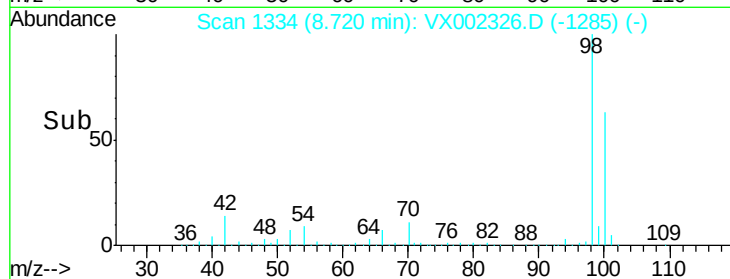
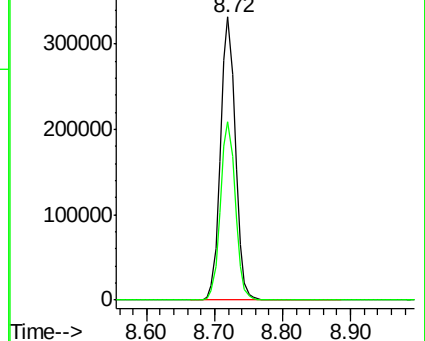
98 100

100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

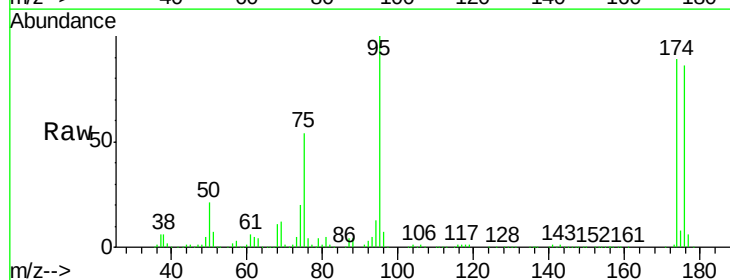
Tgt Ion: 95 Resp: 178750

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.4

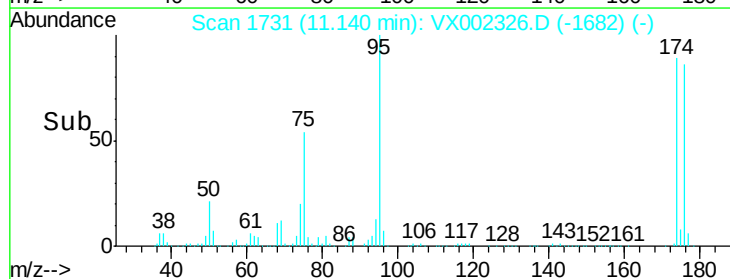
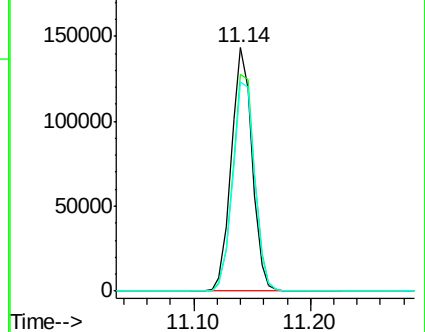
176 90.4 0.0 181.0

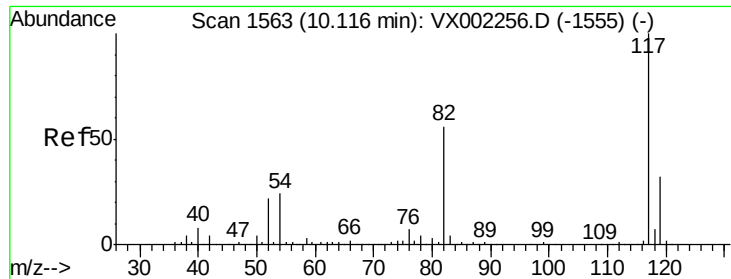


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

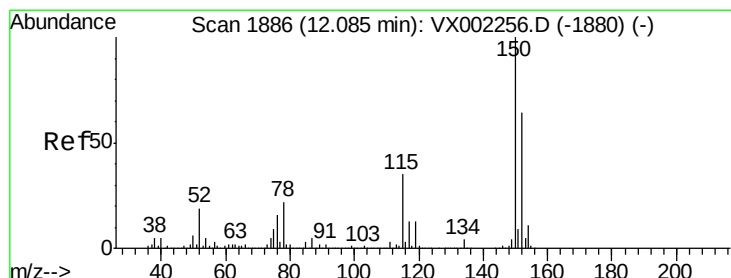
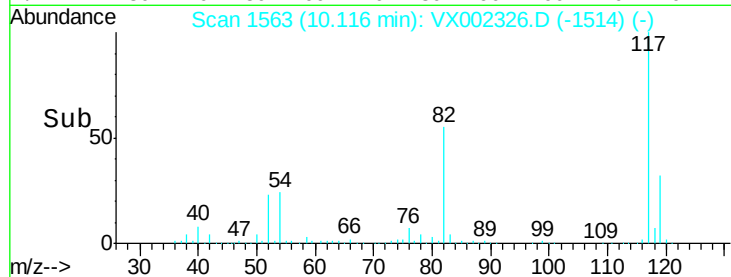
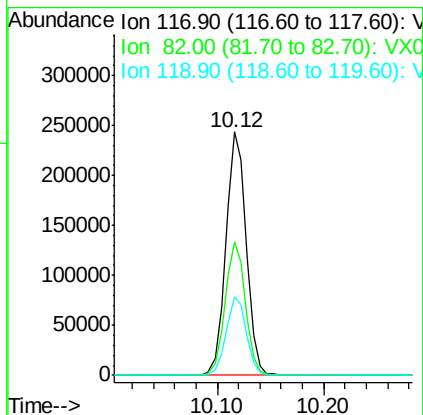
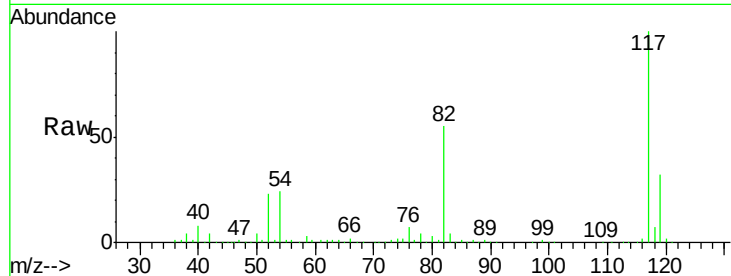




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

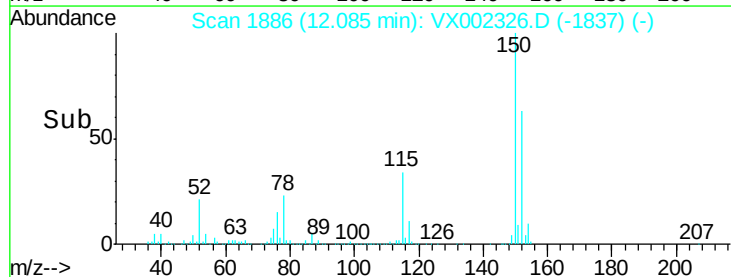
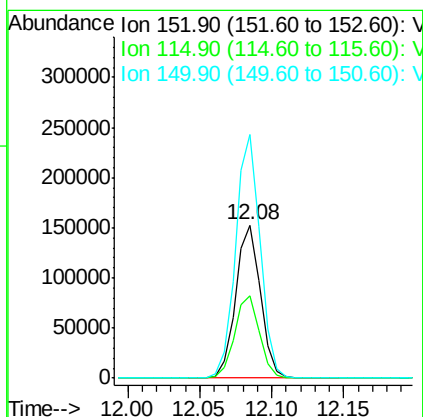
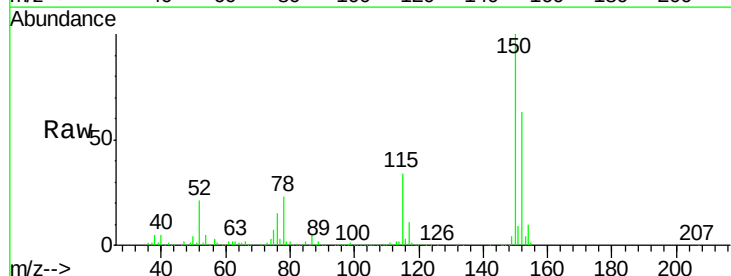
Instrument :
MSVOA_X
ClientSampled :

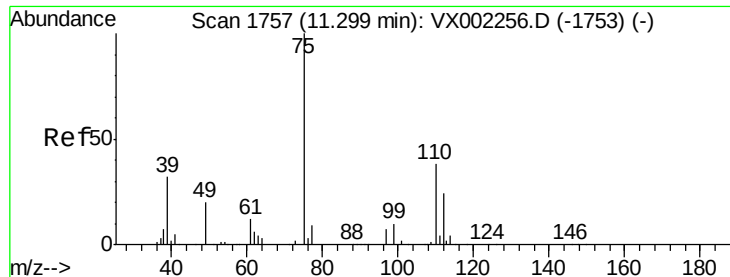
Tot Ion:117 Resp: 325279
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002326.D
Acq: 06 Jun 2018 01:17

Tgt Ion:152 Resp: 182818
Ion Ratio Lower Upper
152 100
115 54.4 40.1 120.2
150 158.1 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 24.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

Instrument :

MSVOA_X

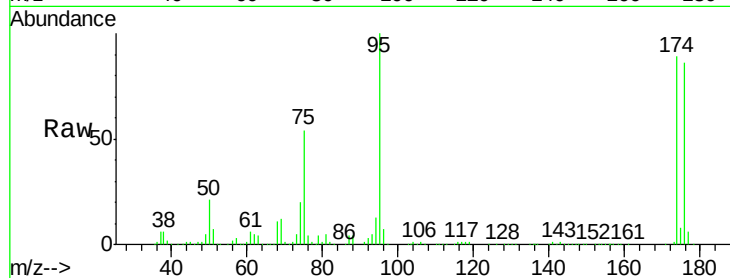
ClientSampleId :

Tot Ion: 75 Resp: 96624

Ion Ratio Lower Upper

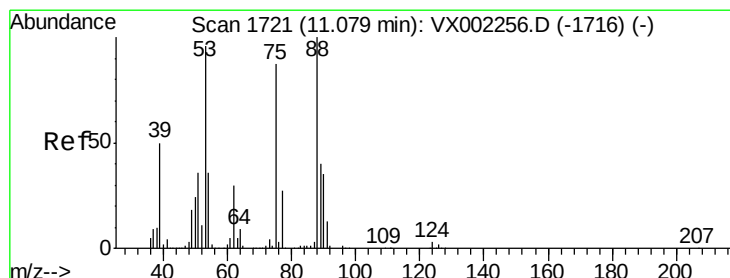
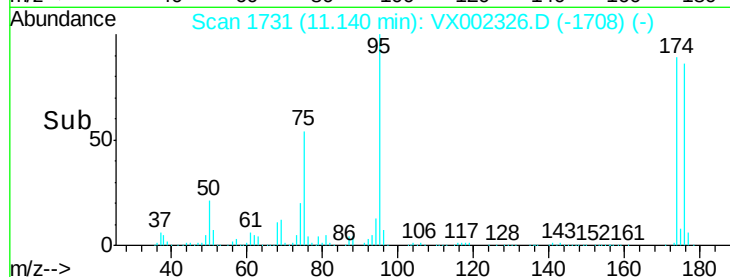
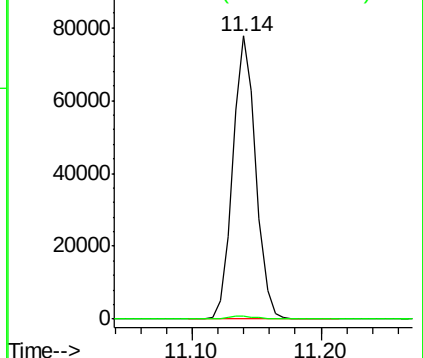
75 100

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: 84.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002326.D

Acq: 06 Jun 2018 01:17

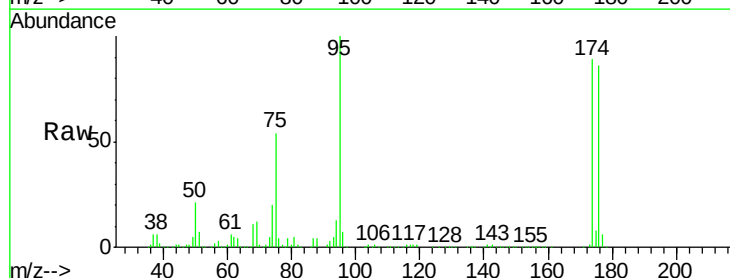
Tgt Ion: 75 Resp: 96624

Ion Ratio Lower Upper

75 100

53 0.1 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

