

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003101.D
 Acq On : 01 Jul 2018 02:54
 Operator : JC/MD
 Sample : J3800-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

Quant Time: Jul 02 04:56:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	398679	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212539	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	187427	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	5.51	113	152726	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	8.72	98	553566	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	11.14	95	197235	44.36	ug/l	0.00
Spiked Amount			Recovery	=	88.72%	

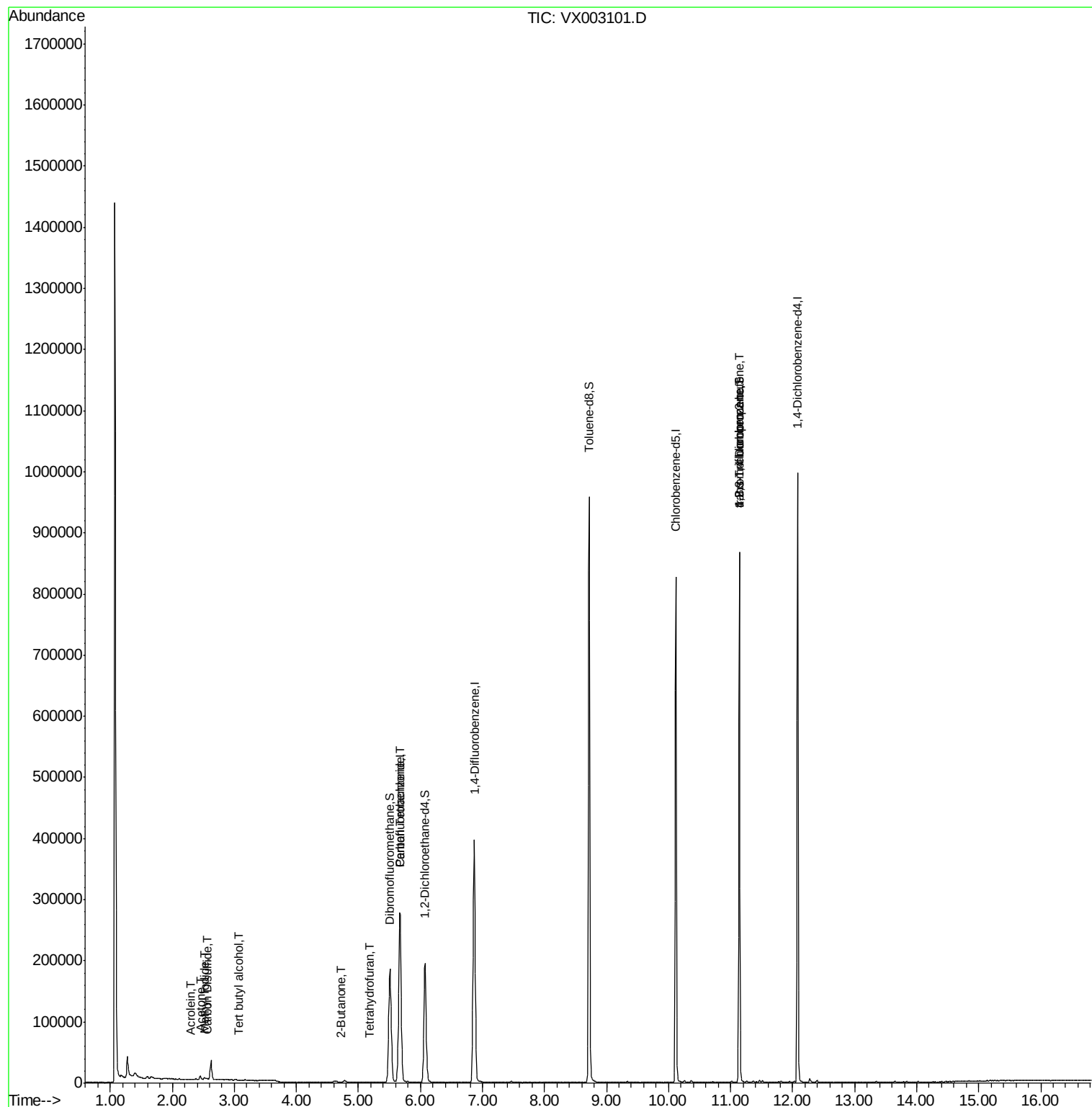
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	169	Below Cal	#	43
3) Chloromethane	1.32	50	1031	Below Cal		89
5) Bromomethane	1.66	94	2476	Below Cal		92
6) Chloroethane	1.73	64	296	Below Cal	#	81
10) Methyl Iodide	2.52	142	3423	7.16	ug/l	92
11) Tert butyl alcohol	3.07	59	189	0.24	ug/l	73
13) Acrolein	2.31	56	227	4.74	ug/l	14
16) Acetone	2.45	43	6802	4.15	ug/l	99
17) Carbon Disulfide	2.57	76	1665	0.22	ug/l	94
25) 2-Butanone	4.71	43	883	0.36	ug/l	52
29) Tetrahydrofuran	5.17	42	493	0.32	ug/l	65
38) Carbon Tetrachloride	5.67	117	25106	5.23	ug/l	16
76) 1,2,3-Trichloropropane	11.14	75	101345	26.32	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	101345	74.60	ug/l	6

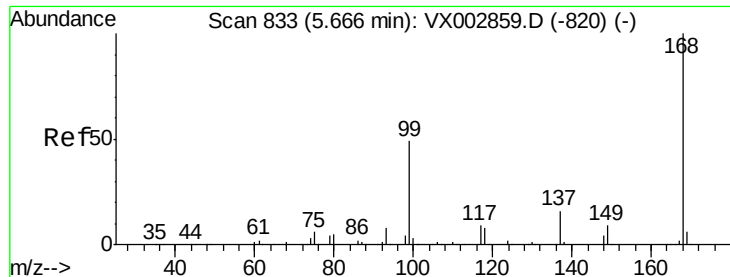
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 25 14:38:05 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003101.D

Acq: 01 Jul 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

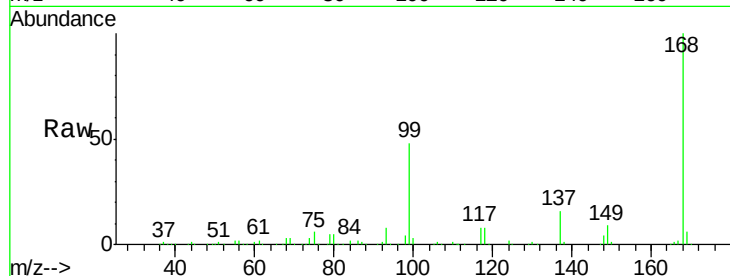
MW-9

Tot Ion:168 Resp: 286007

Ion Ratio Lower Upper

168 100

99 48.4 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

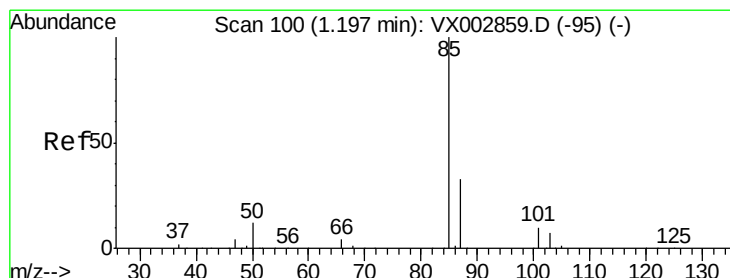
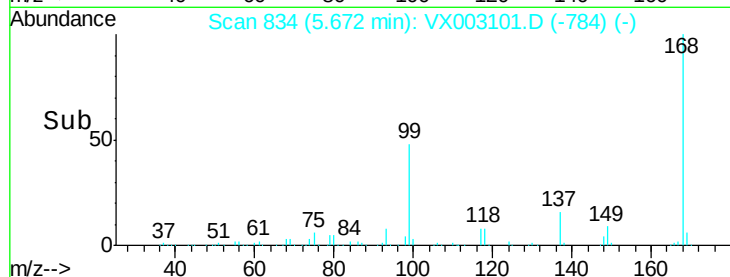
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003101.D

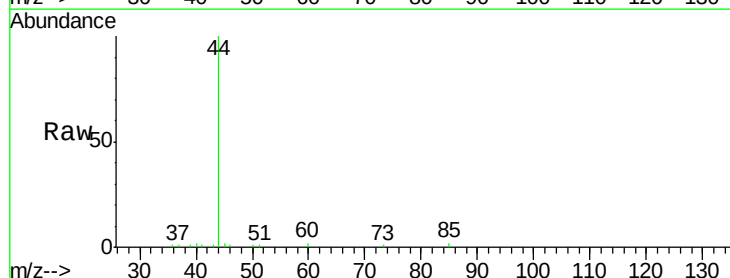
Acq: 01 Jul 2018 02:54

Tgt Ion: 85 Resp: 169

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200

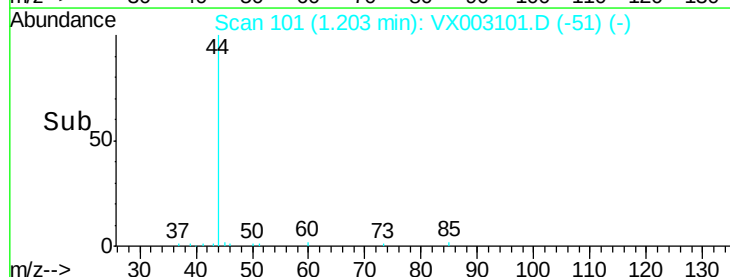
150

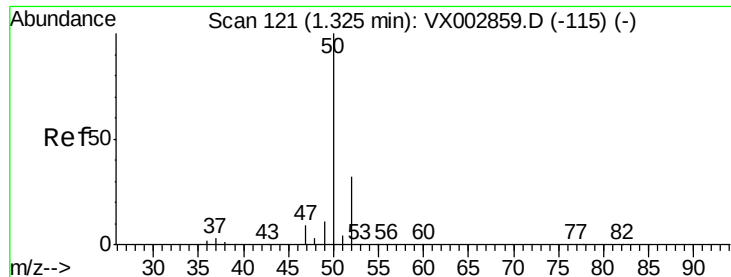
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003101.D

Acq: 01 Jul 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

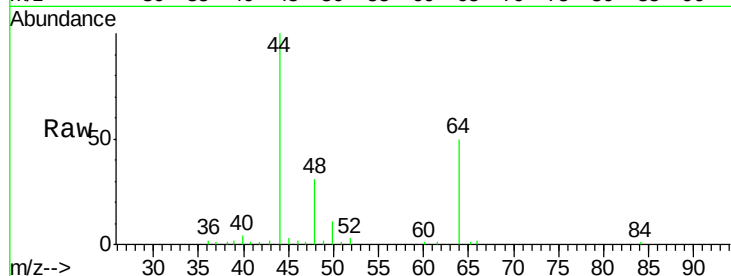
MW-9

Tot Ion: 50 Resp: 1031

Ion Ratio Lower Upper

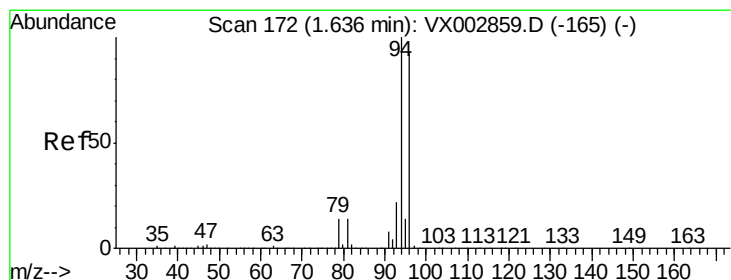
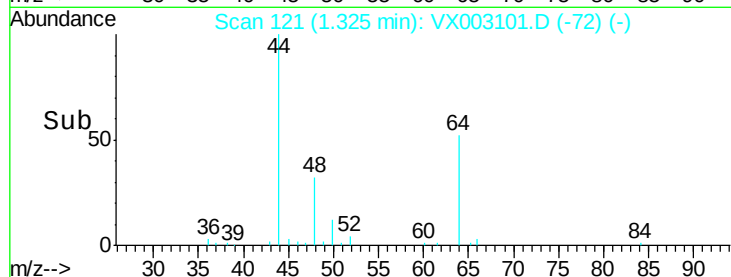
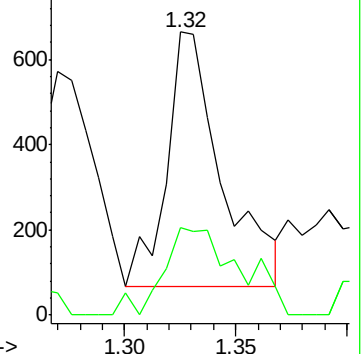
50 100

52 25.8 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: VX003101.D

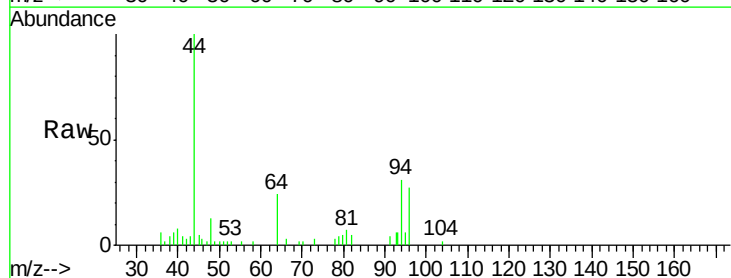
Acq: 01 Jul 2018 02:54

Tgt Ion: 94 Resp: 2476

Ion Ratio Lower Upper

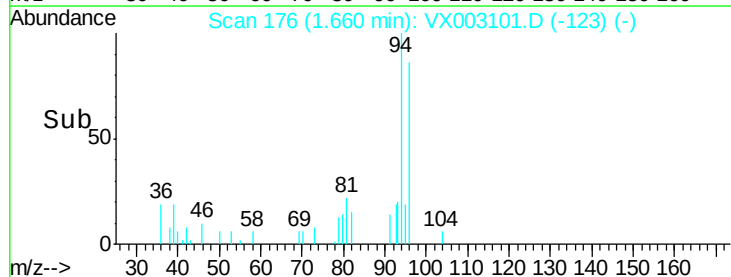
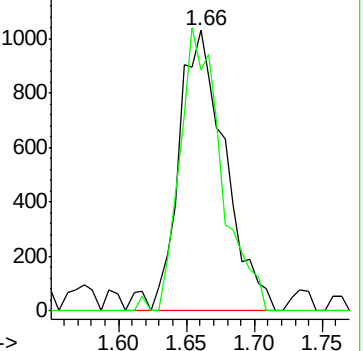
94 100

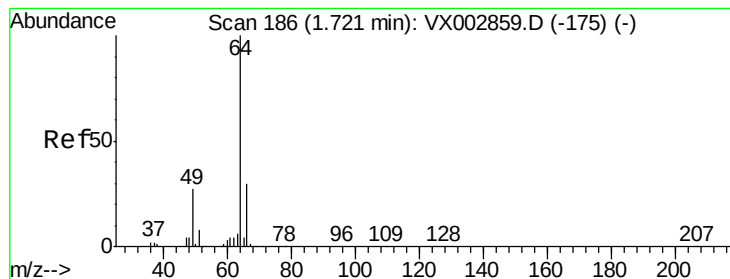
96 86.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX003101.D

Acq: 01 Jul 2018 02:54

Instrument :

MSVOA_X

ClientSampled :

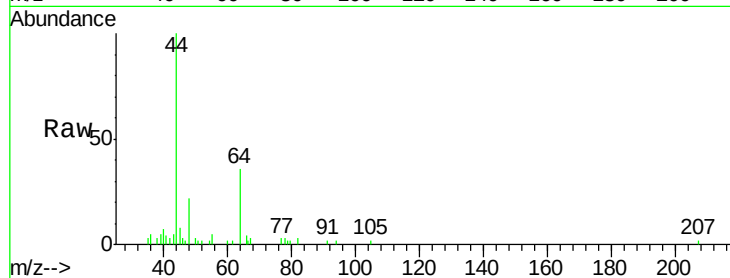
MW-9

Tot Ion: 64 Resp: 296

Ion Ratio Lower Upper

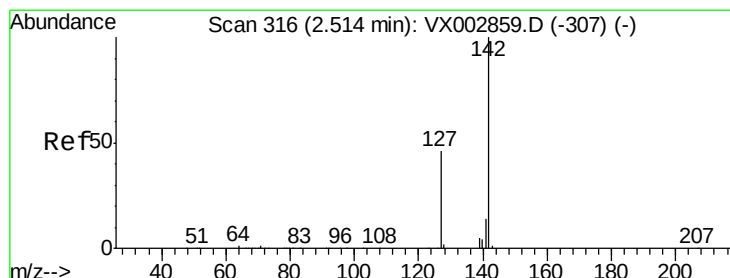
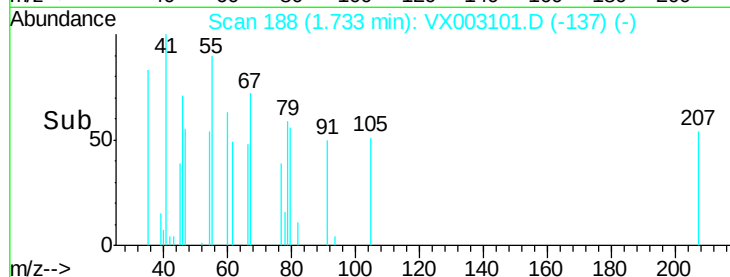
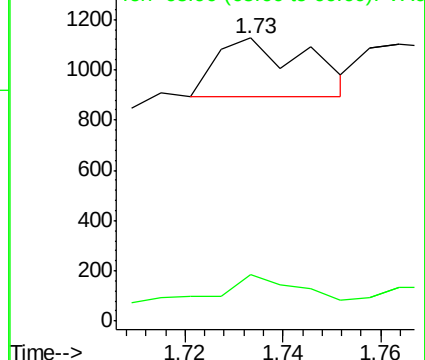
64 100

66 42.4 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.16 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003101.D

Acq: 01 Jul 2018 02:54

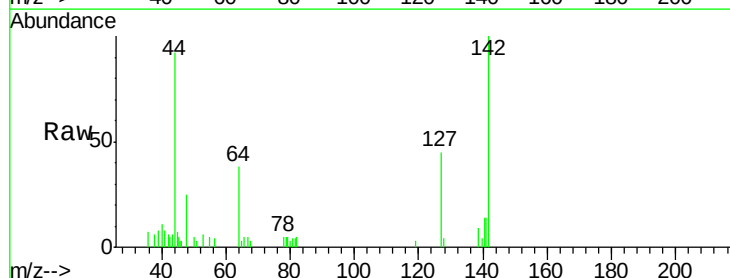
Tgt Ion:142 Resp: 3423

Ion Ratio Lower Upper

142 100

127 42.4 36.6 55.0

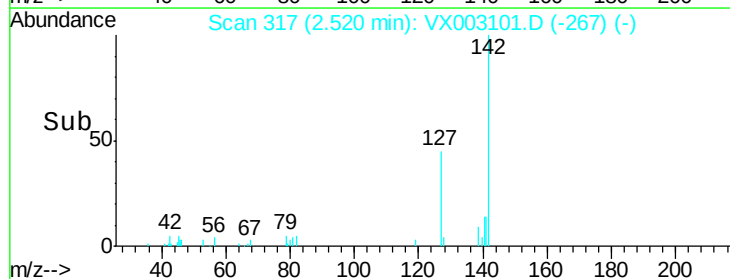
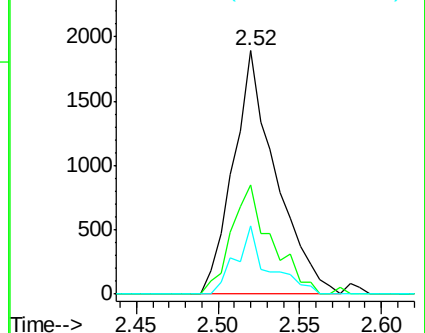
141 20.9 11.3 16.9#

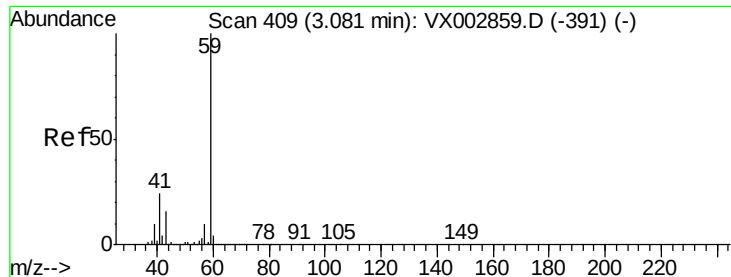


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



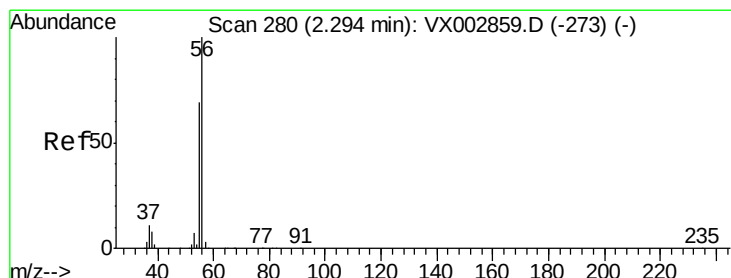
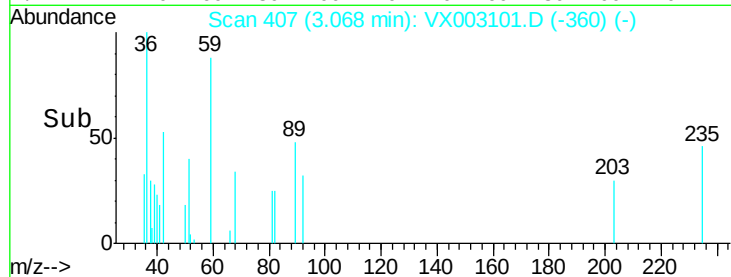
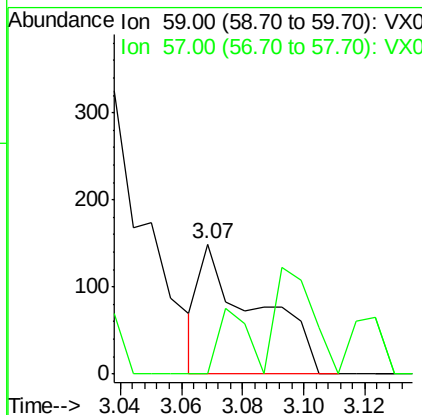
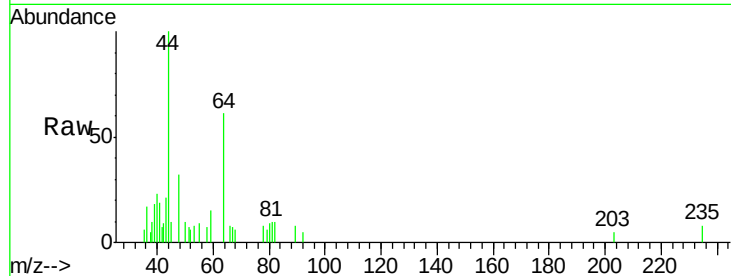


#11

Tert butyl alcohol
Concen: 0.24 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

Instrument :
MSVOA_X
ClientSampled :
MW-9

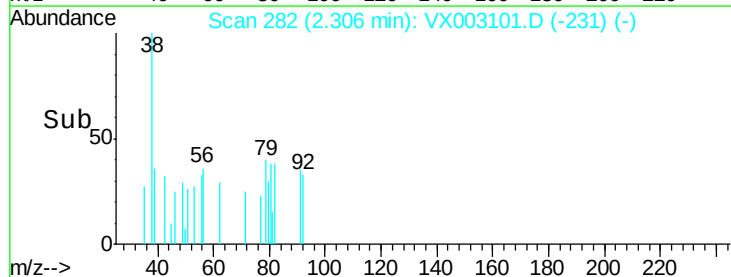
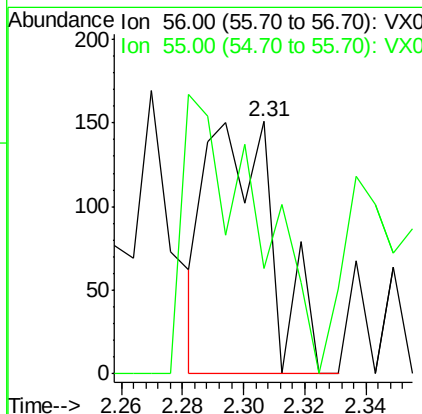
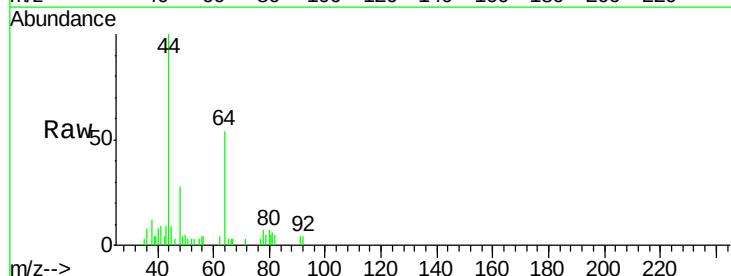
Tot Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

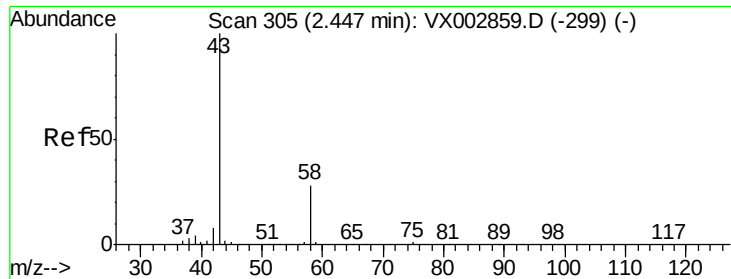


#13

Acrolein
Concen: 4.74 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 4.15 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003101.D

Acq: 01 Jul 2018 02:54

Instrument :

MSVOA_X

ClientSampled :

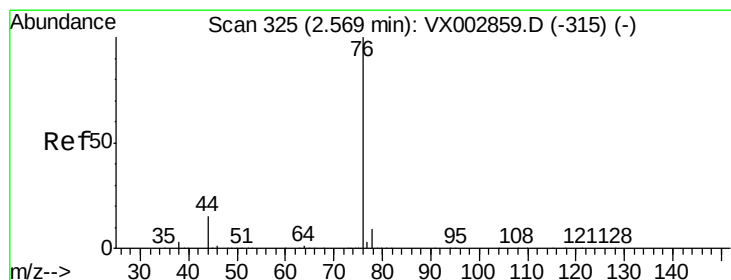
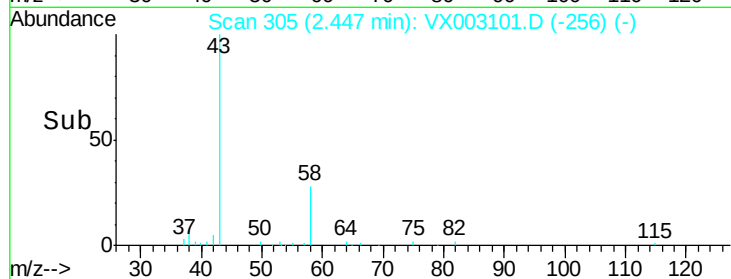
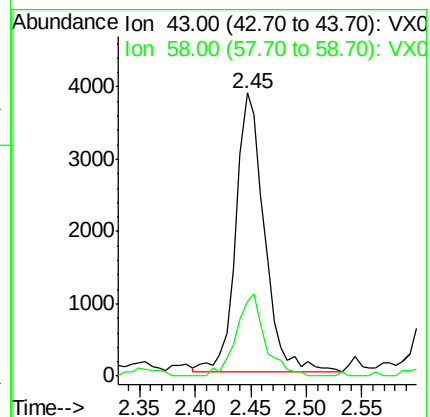
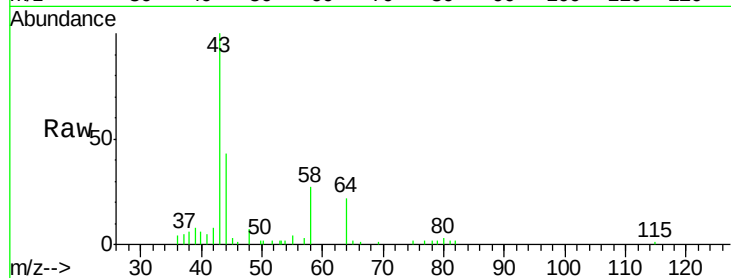
MW-9

Tot Ion: 43 Resp: 6802

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003101.D

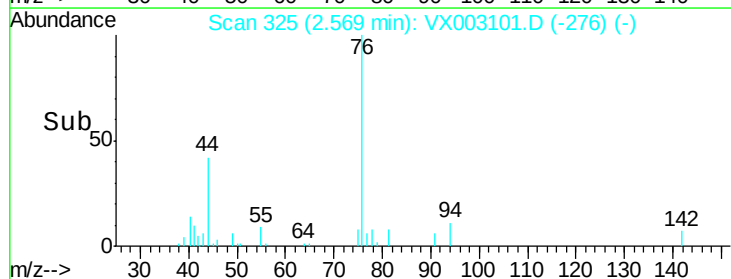
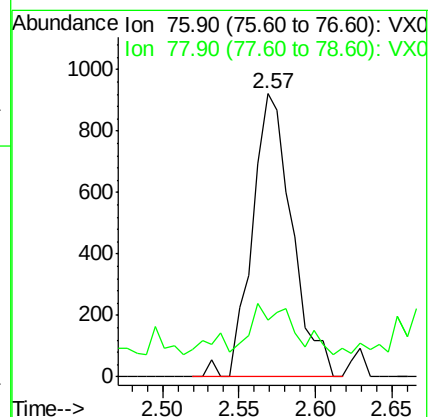
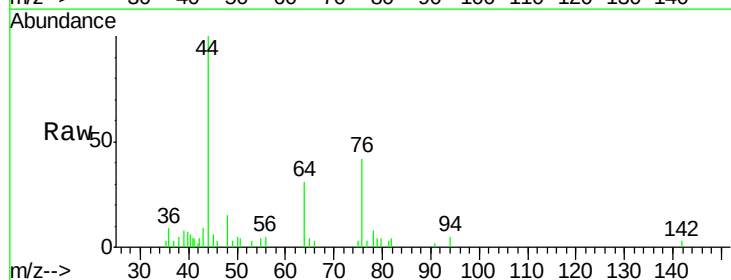
Acq: 01 Jul 2018 02:54

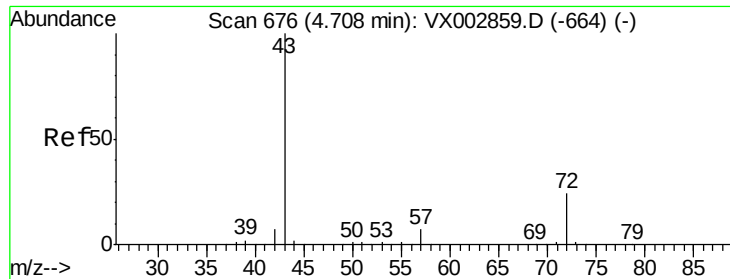
Tgt Ion: 76 Resp: 1665

Ion Ratio Lower Upper

76 100

78 10.6 6.9 10.3#

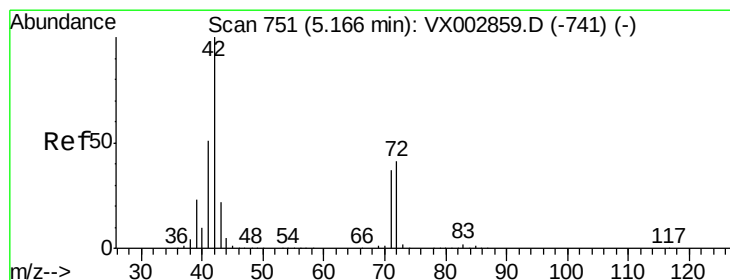
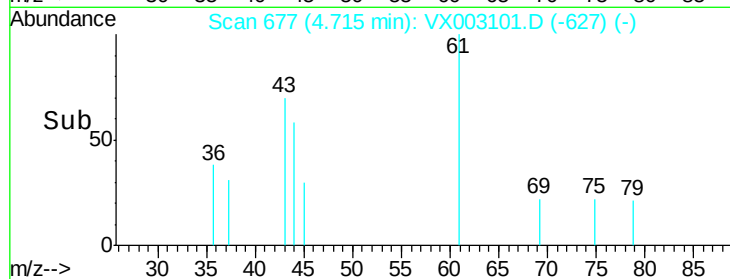
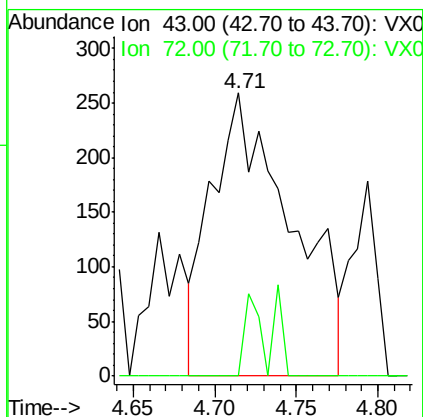
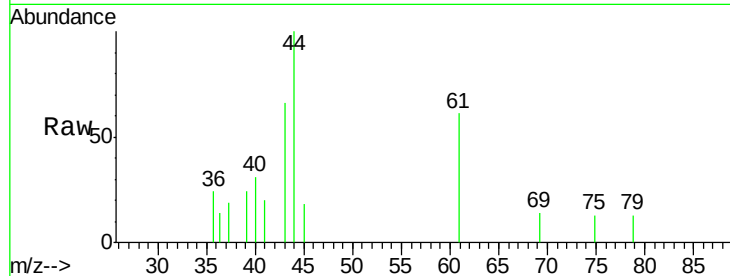




#25
2-Butanone
Concen: 0.36 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

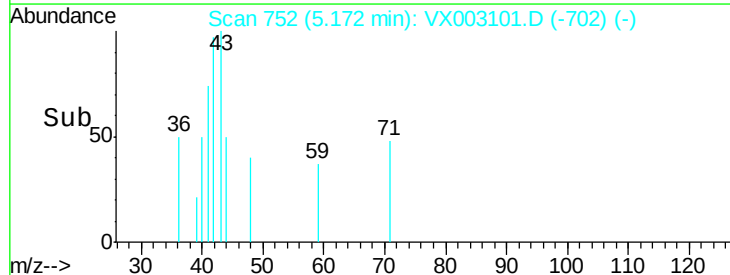
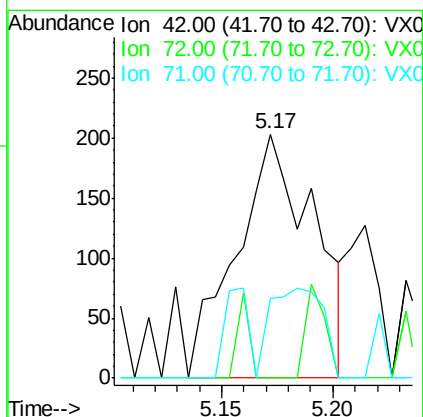
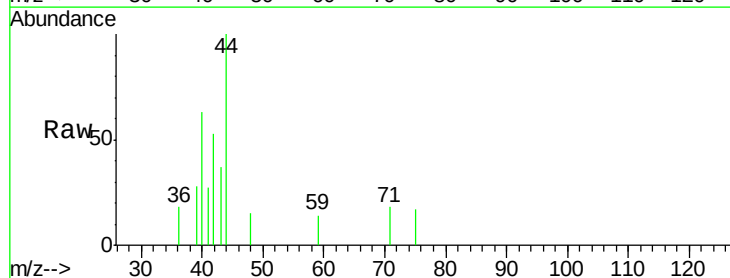
Instrument :
MSVOA_X
ClientSampled :
MW-9

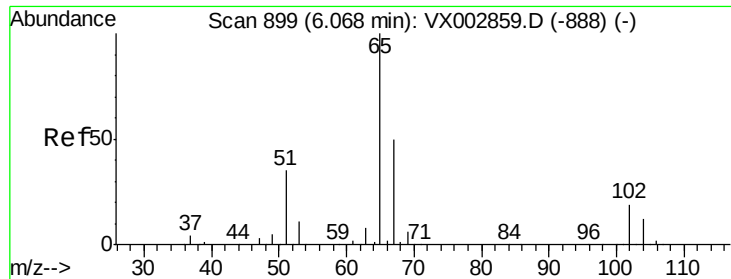
Tot Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

Tgt Ion: 42 Resp: 493
Ion Ratio Lower Upper
42 100
72 9.7 32.0 48.0#
71 25.4 30.1 45.1#

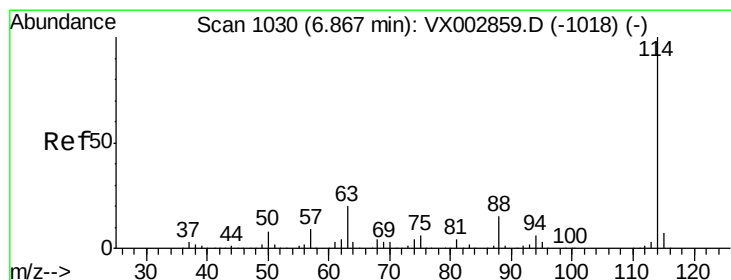
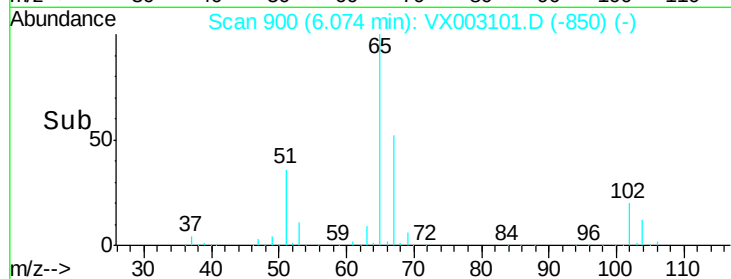
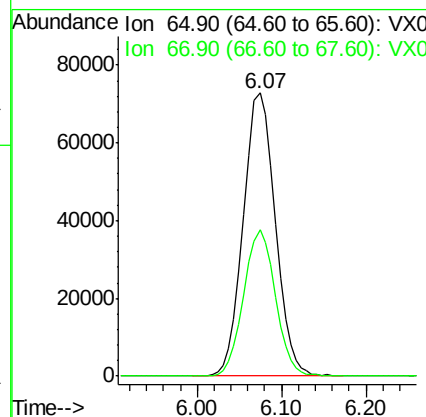
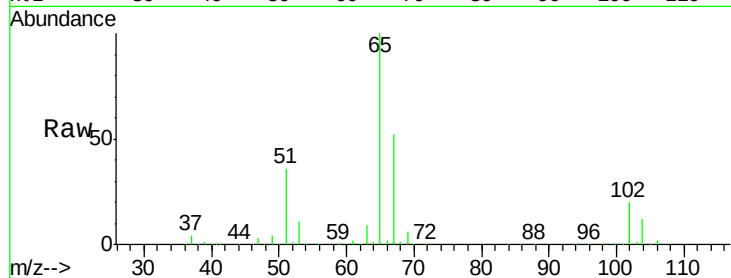




#33
 1,2-Dichloroethane-d4
 Concen: 47.41 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003101.D
 Acq: 01 Jul 2018 02:54

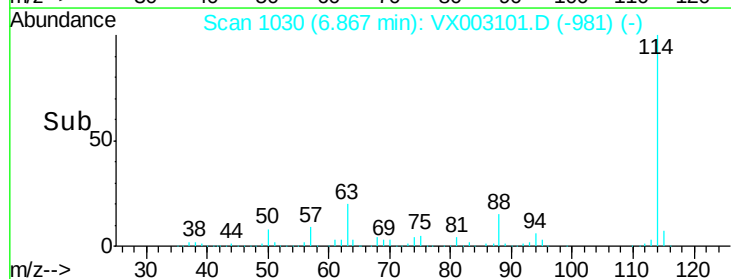
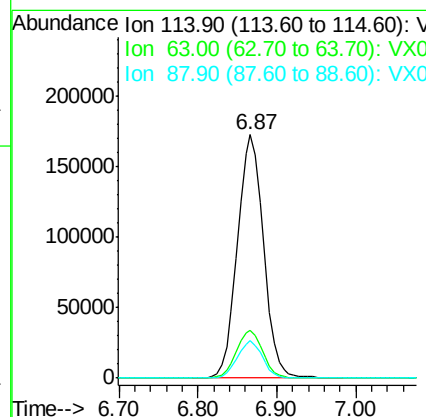
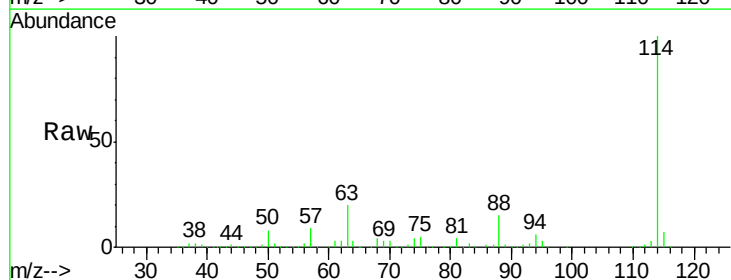
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

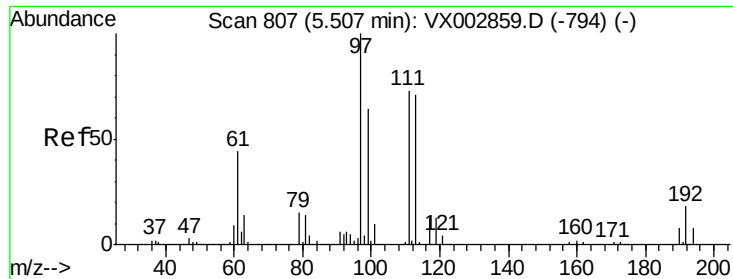
Tot Ion: 65 Resp: 187427
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003101.D
 Acq: 01 Jul 2018 02:54

Tgt Ion: 114 Resp: 398679
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.3 0.0 30.0

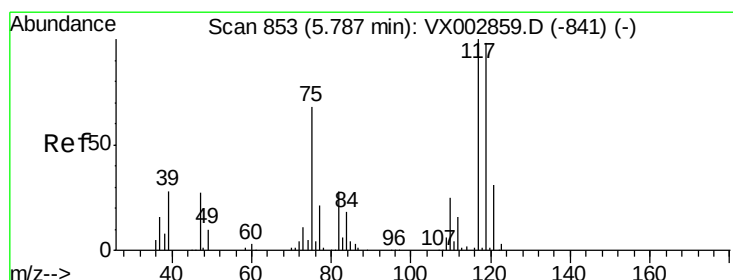
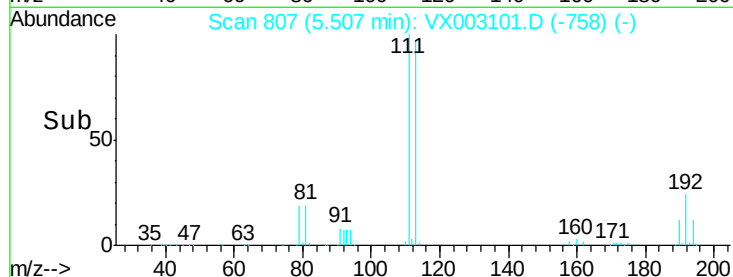
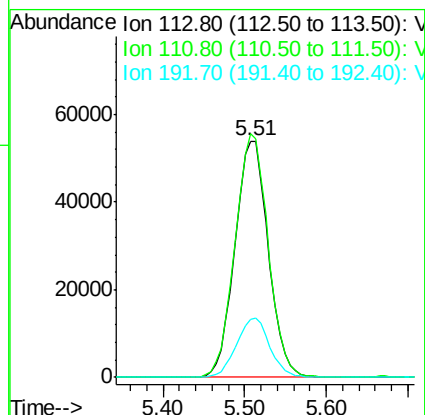
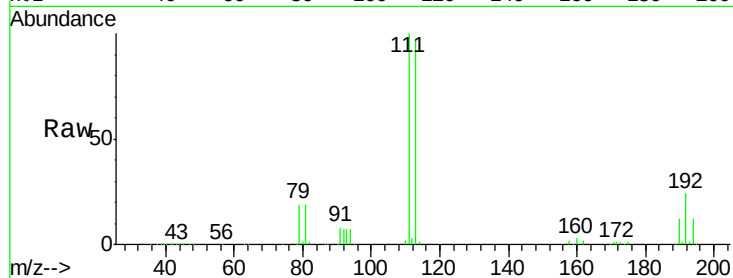




#35
 Dibromofluoromethane
 Concen: 48.37 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003101.D
 Acq: 01 Jul 2018 02:54

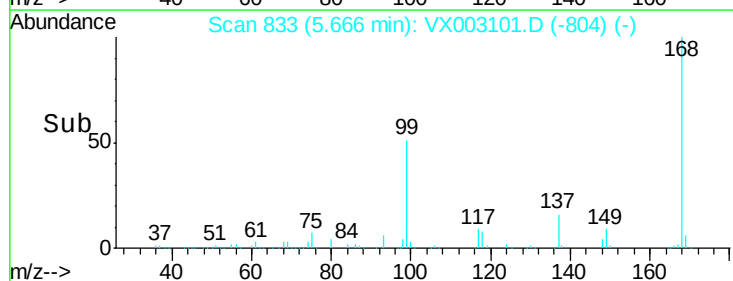
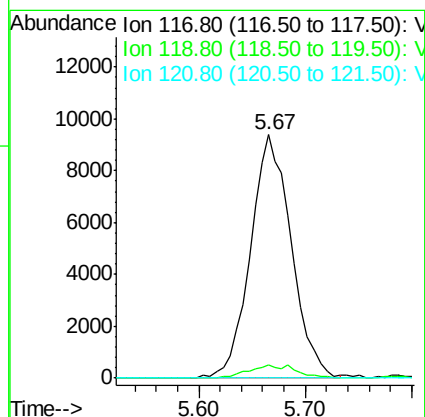
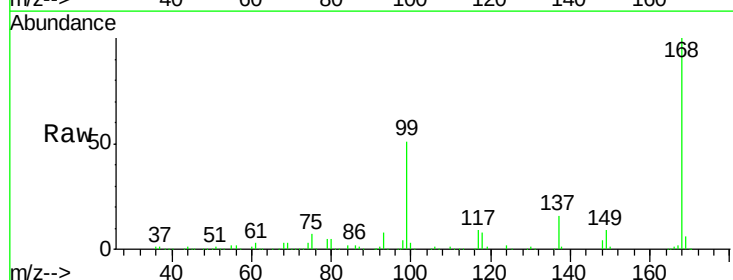
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

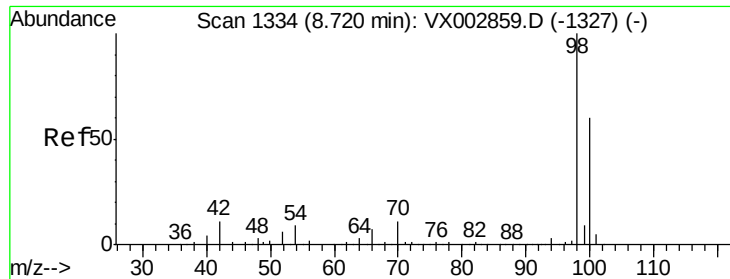
Tot Ion:113 Resp: 152726
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 24.8 19.1 28.7



#38
 Carbon Tetrachloride
 Concen: 5.23 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003101.D
 Acq: 01 Jul 2018 02:54

Tgt Ion:117 Resp: 25106
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.4 116.0#
 121 0.0 24.4 36.6#

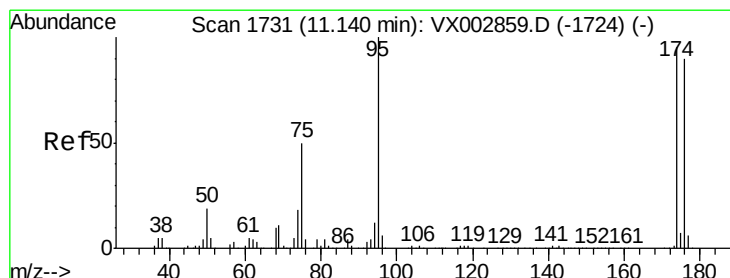
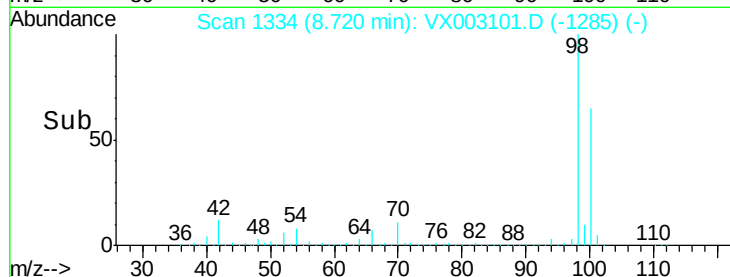
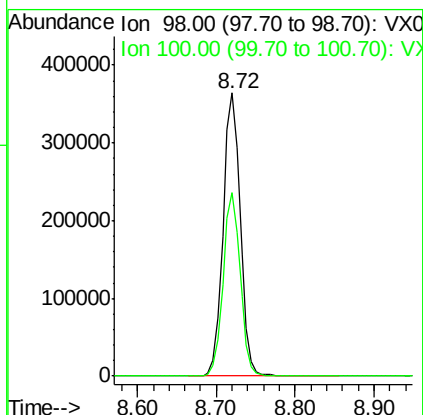
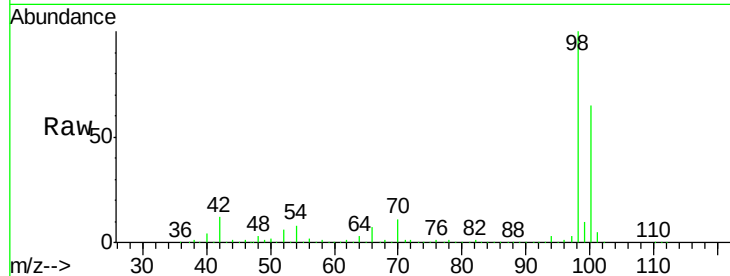




#50
Toluene-d8
Concen: 48.01 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

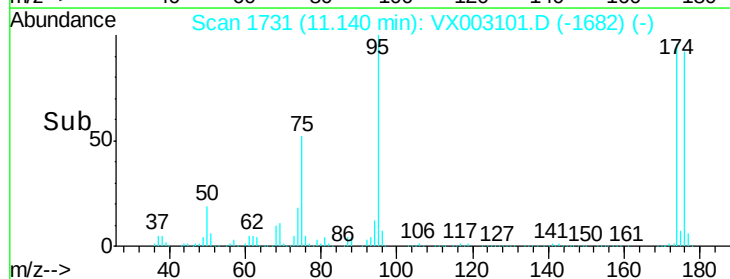
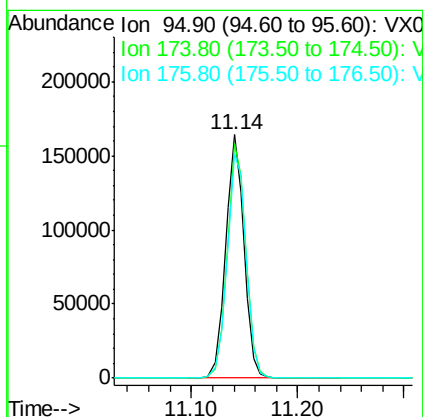
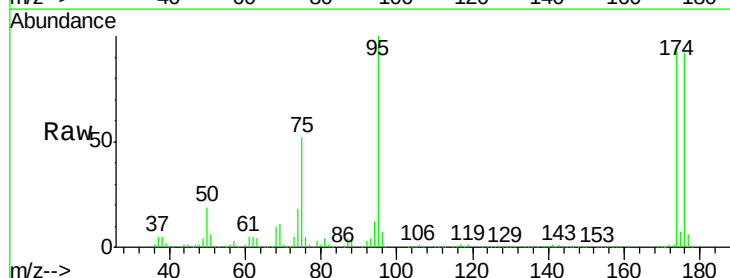
Instrument :
MSVOA_X
ClientSampled :
MW-9

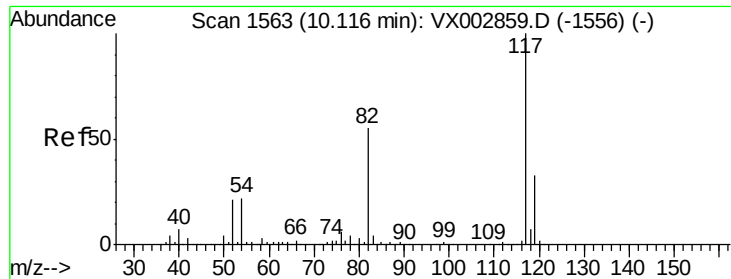
Tot Ion: 98 Resp: 553566
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.36 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

Tgt Ion: 95 Resp: 197235
Ion Ratio Lower Upper
95 100
174 98.2 0.0 187.4
176 95.5 0.0 181.0

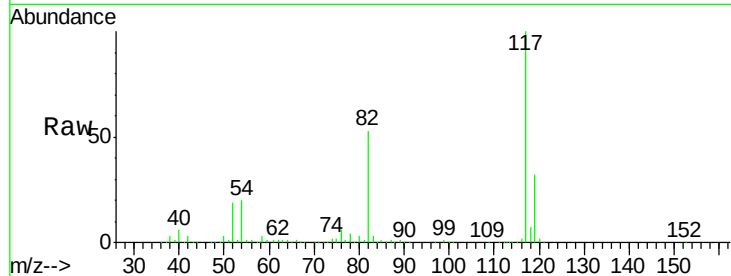




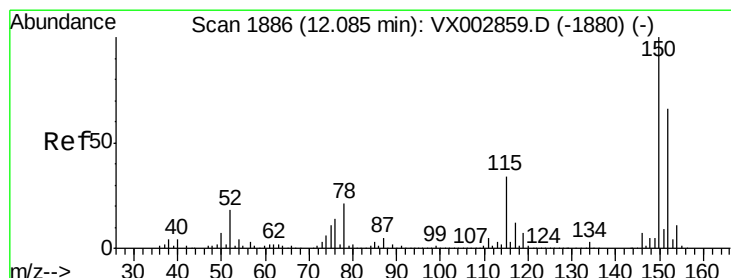
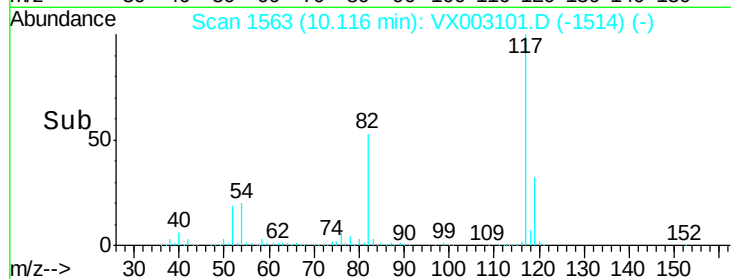
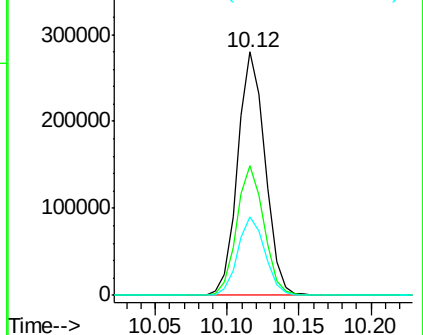
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

Instrument :
MSVOA_X
ClientSampled :
MW-9

Tot Ion:117 Resp: 370691
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.4
119 32.2 25.8 38.6

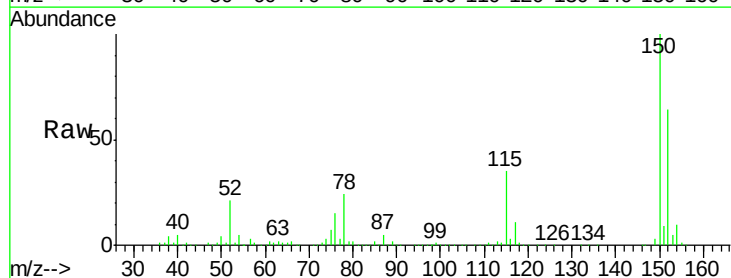


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

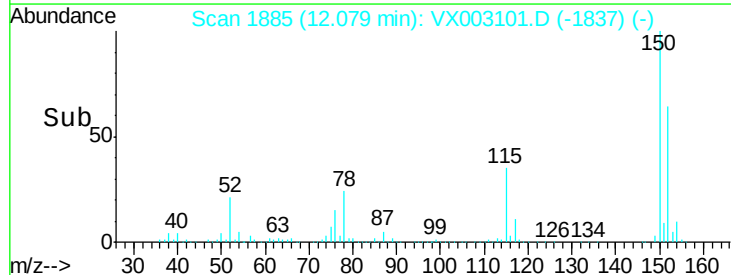
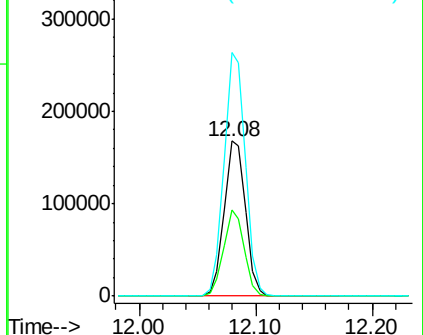


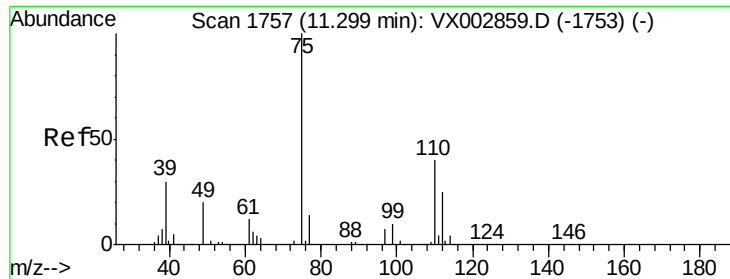
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003101.D
Acq: 01 Jul 2018 02:54

Tgt Ion:152 Resp: 212539
Ion Ratio Lower Upper
152 100
115 53.4 40.1 120.2
150 157.0 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

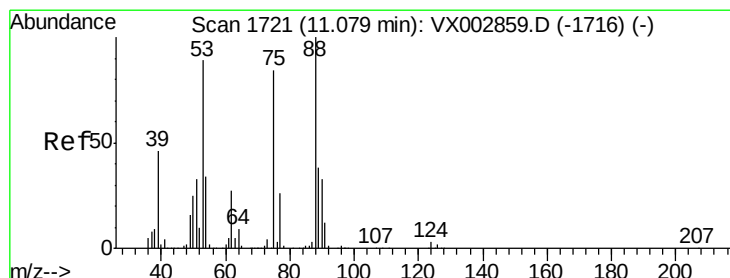
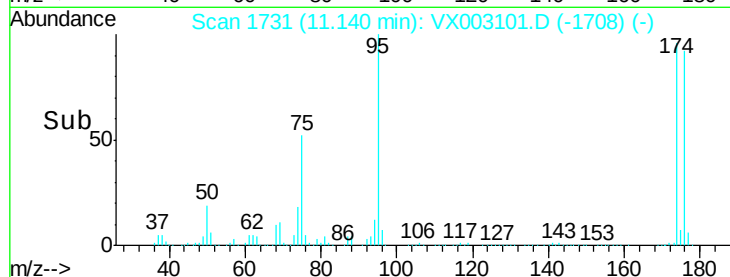
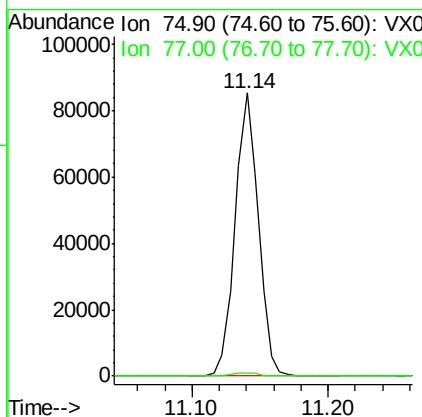
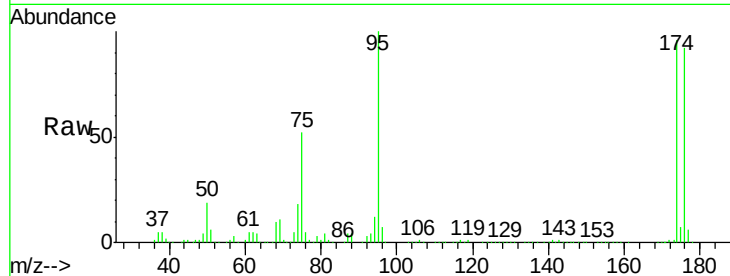




#76
 1,2,3-Trichloropropane
 Concen: 26.32 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003101.D
 Acq: 01 Jul 2018 02:54

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

Tot Ion: 75 Resp: 101345
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.60 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003101.D
 Acq: 01 Jul 2018 02:54

Tgt Ion: 75 Resp: 101345
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

