

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002167.D
 Acq On : 31 May 2018 05:43
 Operator : JC/MD
 Sample : J3185-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17

Quant Time: May 31 06:40:05 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	411817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	198166	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	180672	35.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.94%	
35) Dibromofluoromethane	5.51	113	134125	32.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.14%	
50) Toluene-d8	8.72	98	543993	36.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.98%	
62) 4-Bromofluorobenzene	11.14	95	189182	32.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.86%	

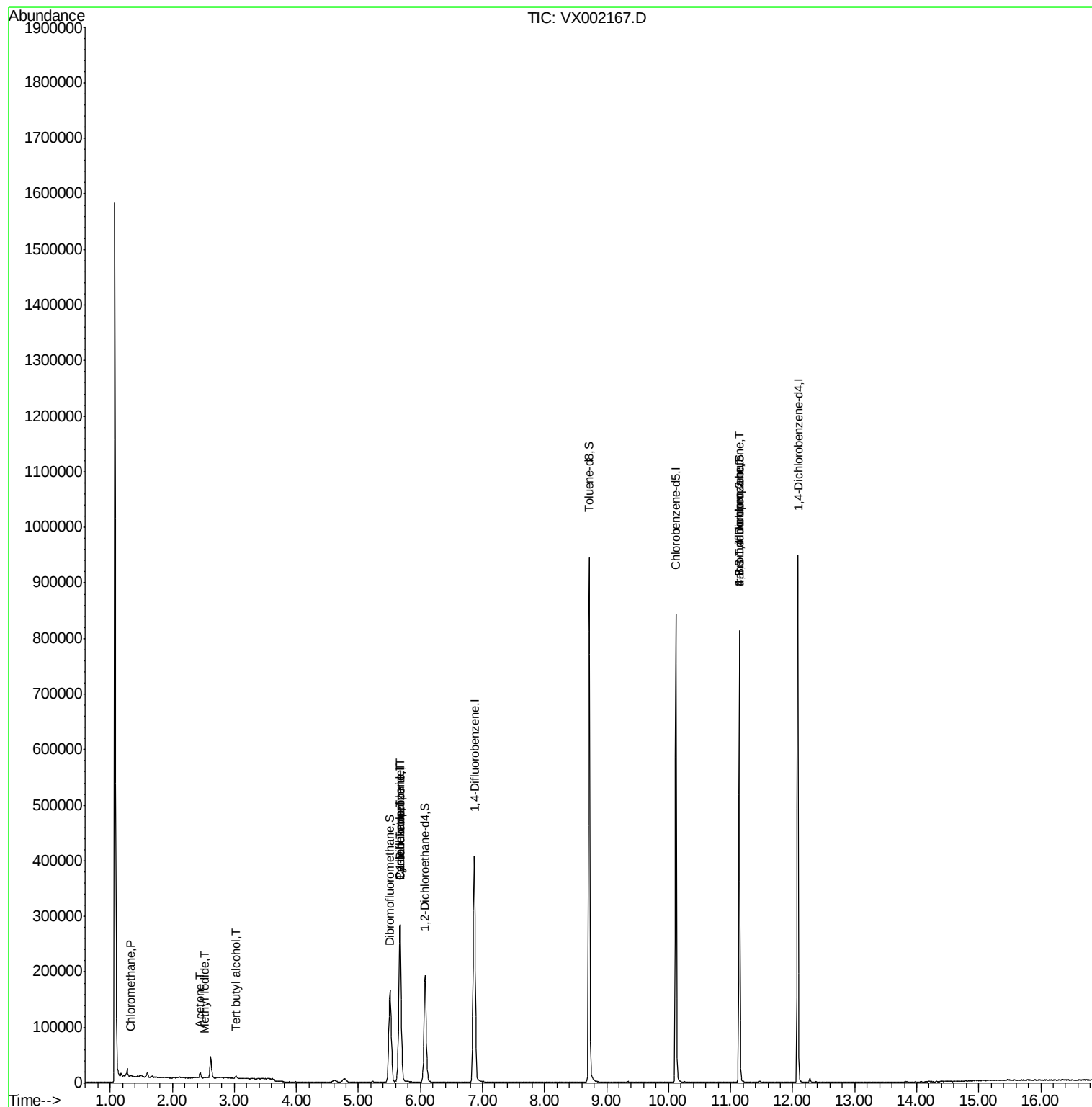
Target Compounds			Qvalue				
2) Dichlorodifluoromethane	1.20	85	24	Below Cal	#	41	
3) Chloromethane	1.32	50	926	0.21	ug/l	#	80
5) Bromomethane	1.62	94	103	Below Cal	#	22	
10) Methyl Iodide	2.52	142	1058	0.22	ug/l	#	87
11) Tert butyl alcohol	3.03	59	2736	2.74	ug/l	#	80
16) Acetone	2.45	43	10222	5.20	ug/l		97
18) Methyl Acetate	2.78	43	543	Below Cal			95
20) Methylene Chloride	2.85	84	693	Below Cal	#	52	
21) trans-1,2-Dichloroethene	3.17	96	181	Below Cal	#	54	
28) Bromochloromethane	5.07	49	20	Below Cal	#	14	
31) Cyclohexane	5.67	56	6408	0.91	ug/l	#	14
36) 1,1-Dichloropropene	5.67	75	20444	3.57	ug/l	#	51
38) Carbon Tetrachloride	5.67	117	26546	3.97	ug/l	#	15
41) Methacrylonitrile	5.07	41	96	Below Cal	#	53	
74) N-amyl acetate	6.49	43	183	Below Cal	#	59	
75) 1,1,2,2-Tetrachloroethane	11.34	83	20	Below Cal	#	25	
76) 1,2,3-Trichloropropane	11.14	75	102321	21.50	ug/l	#	33
79) 2-Chlorotoluene	11.43	91	106	Below Cal	#	40	
81) trans-1,4-Dichloro-2-buten	11.14	75	102321	51.67	ug/l	#	10

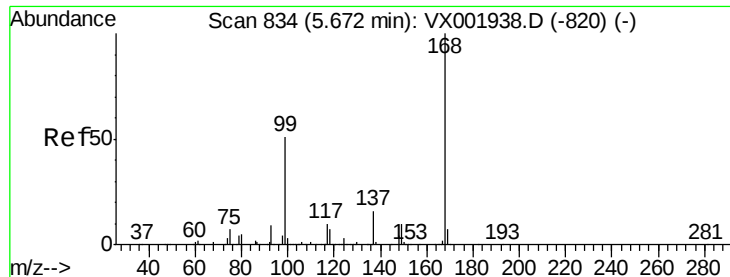
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

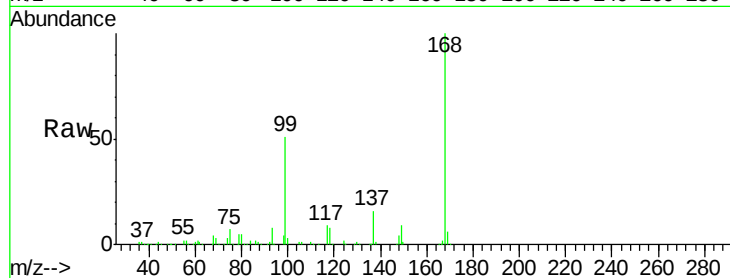
MW-17

Tgt Ion:168 Resp: 284958

Ion Ratio Lower Upper

168 100

99 51.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

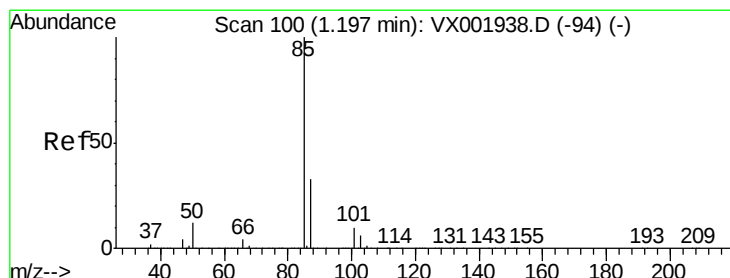
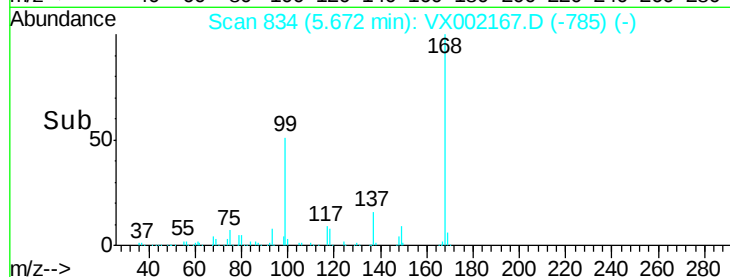
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX002167.D

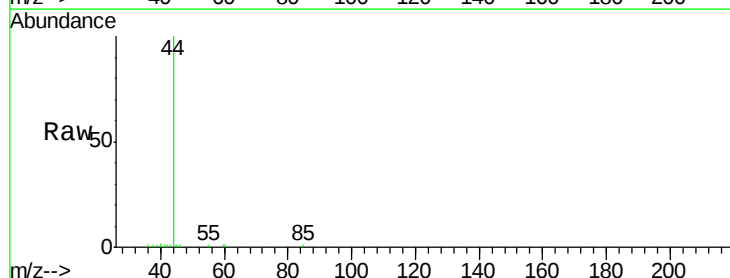
Acq: 31 May 2018 05:43

Tgt Ion: 85 Resp: 24

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60

40

20

0

1.18

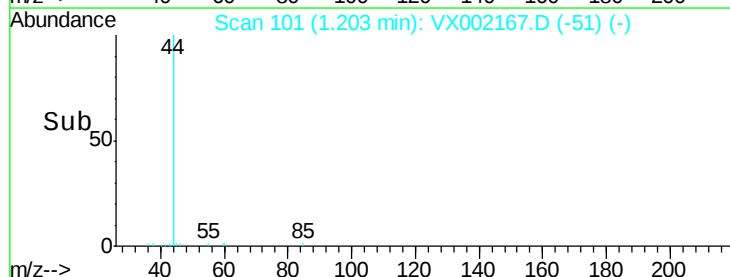
1.19

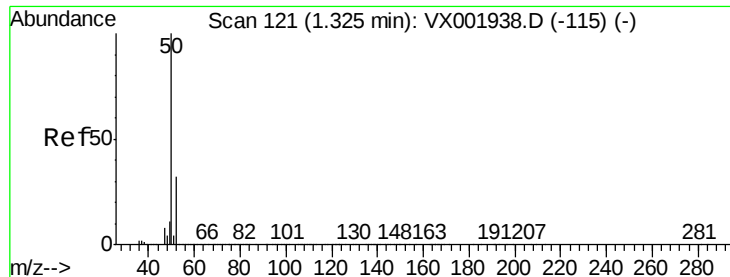
1.20

1.21

1.22

Time-->





#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

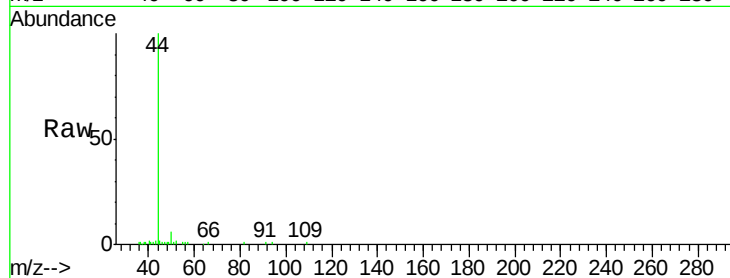
MW-17

Tgt Ion: 50 Resp: 926

Ion Ratio Lower Upper

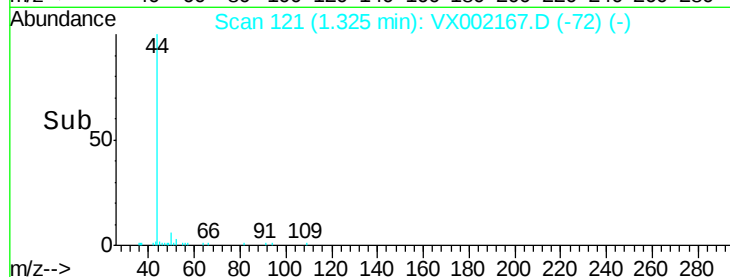
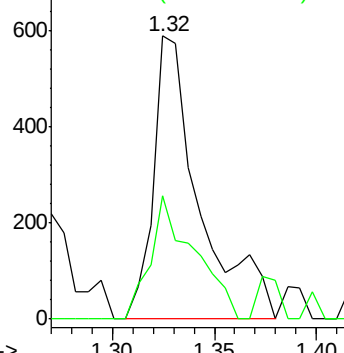
50 100

52 43.6 26.0 39.0#

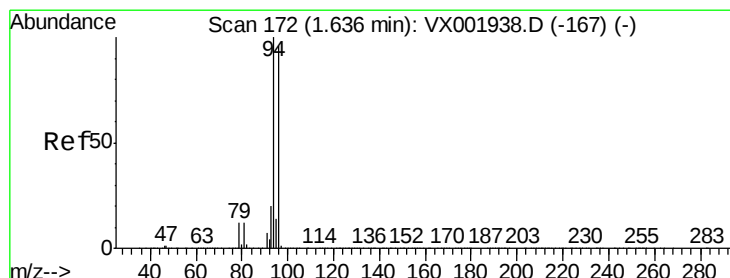


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX002167.D

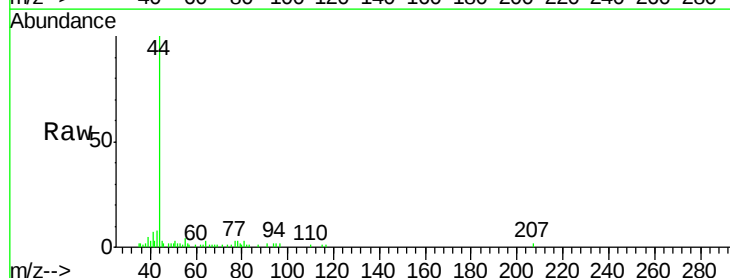
Acq: 31 May 2018 05:43

Tgt Ion: 94 Resp: 103

Ion Ratio Lower Upper

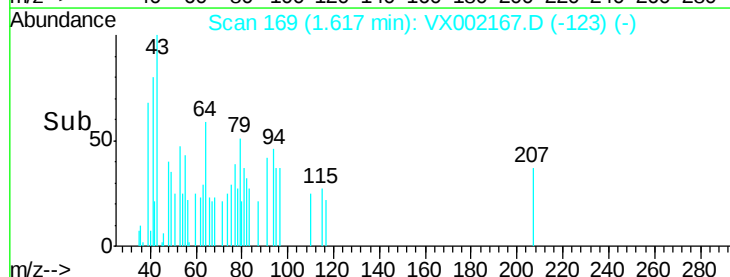
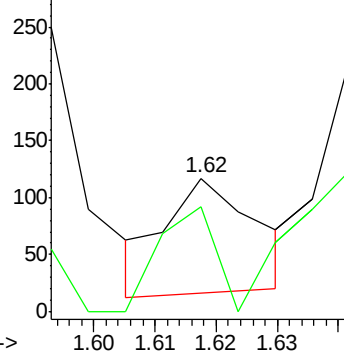
94 100

96 170.4 75.9 113.9#

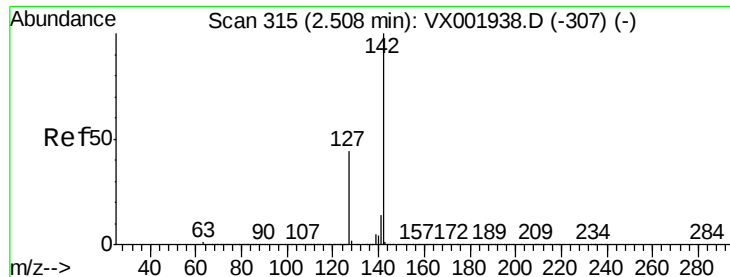


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



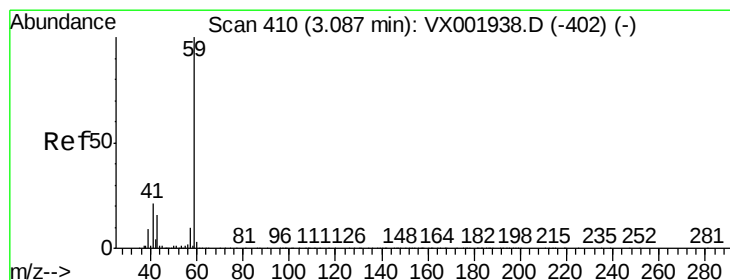
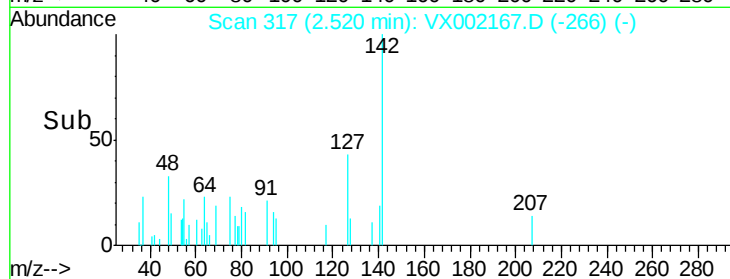
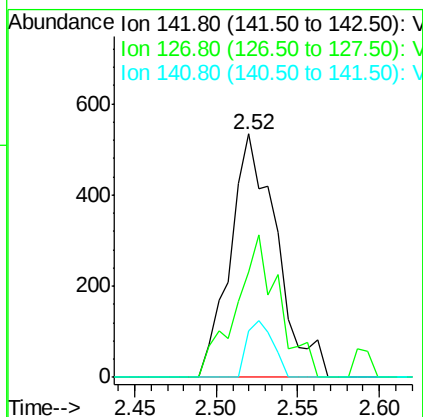
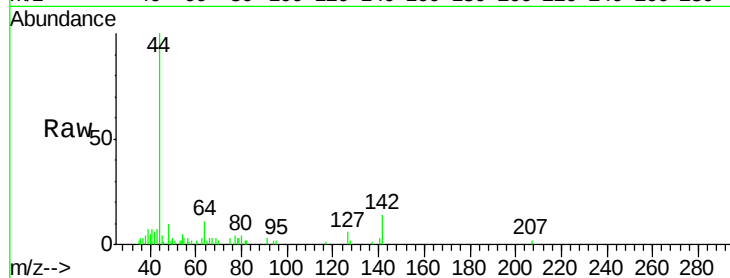
Time-->



#10
Methyl Iodide
Concen: 0.22 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002167.D
Acq: 31 May 2018 05:43

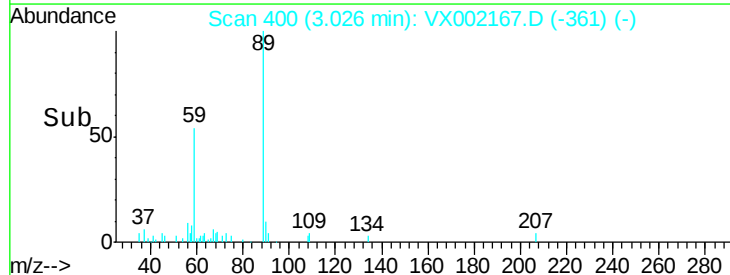
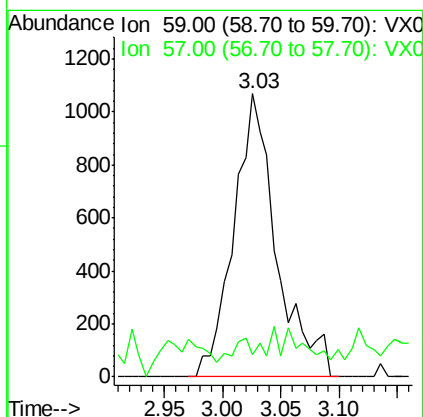
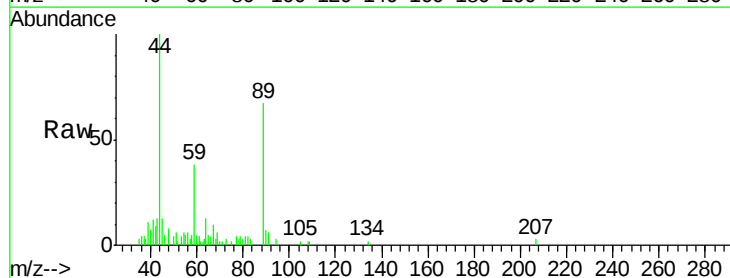
Instrument :
MSVOA_X
ClientSampleId :
MW-17

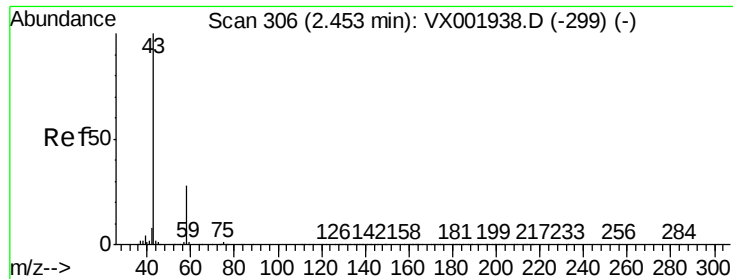
Tgt Ion: 142 Resp: 1058
Ion Ratio Lower Upper
142 100
127 54.8 35.5 53.3#
141 13.0 11.3 16.9



#11
Tert butyl alcohol
Concen: 2.74 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX002167.D
Acq: 31 May 2018 05:43

Tgt Ion: 59 Resp: 2736
Ion Ratio Lower Upper
59 100
57 3.3 8.9 13.3#





#16

Acetone

Concen: 5.20 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

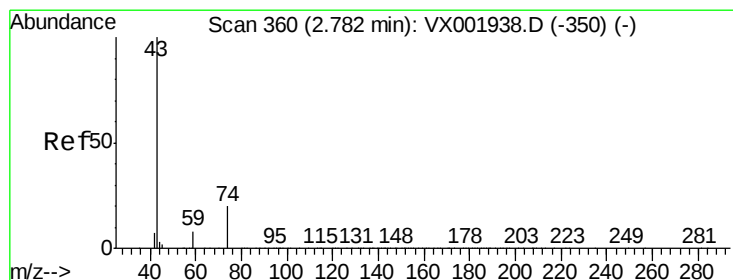
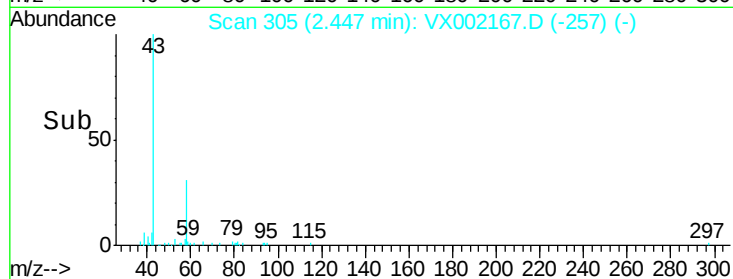
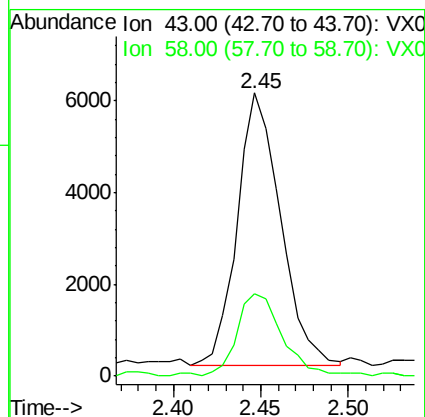
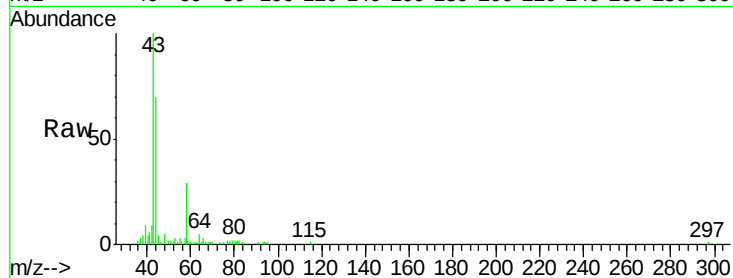
MW-17

Tgt Ion: 43 Resp: 10222

Ion Ratio Lower Upper

43 100

58 29.3 22.3 33.5



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002167.D

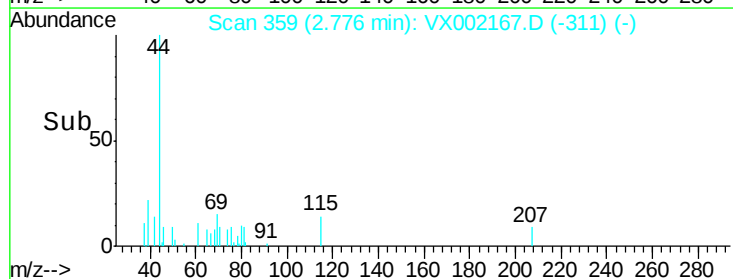
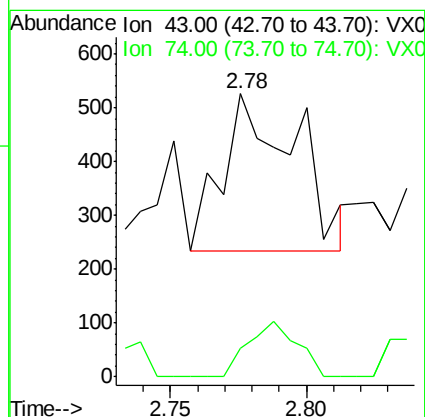
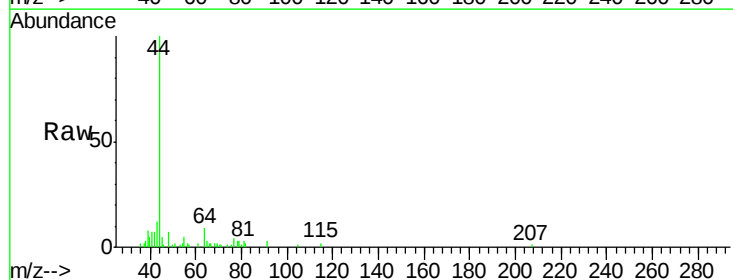
Acq: 31 May 2018 05:43

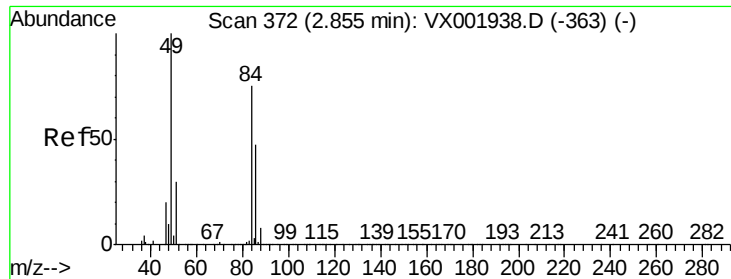
Tgt Ion: 43 Resp: 543

Ion Ratio Lower Upper

43 100

74 23.4 16.8 25.2

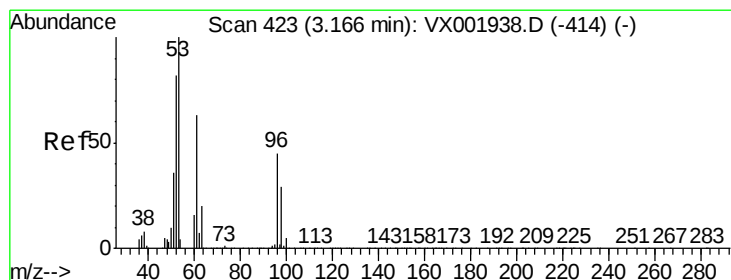
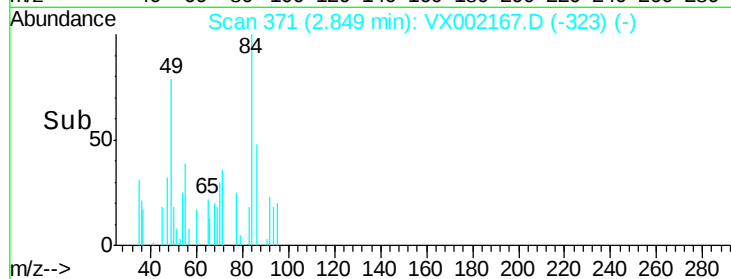
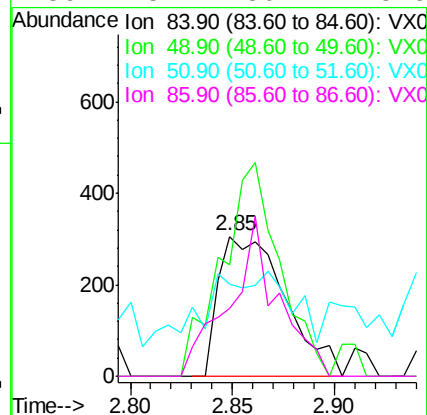
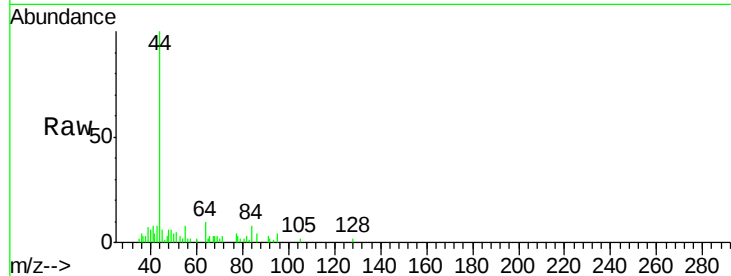




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX002167.D
Acq: 31 May 2018 05:43

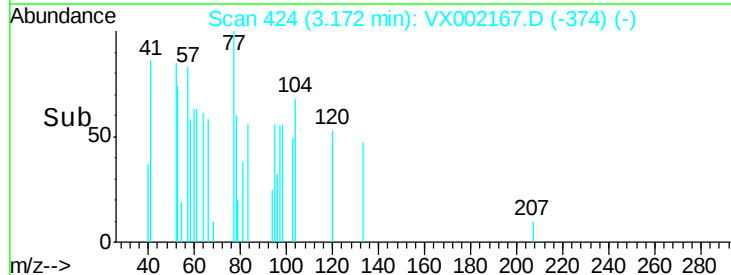
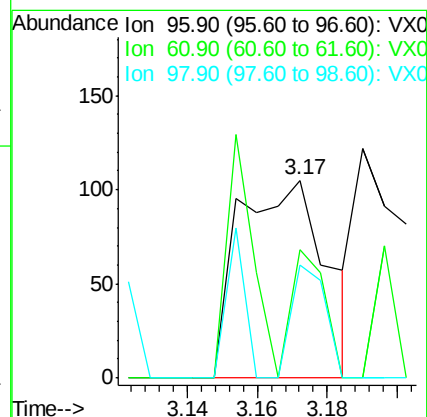
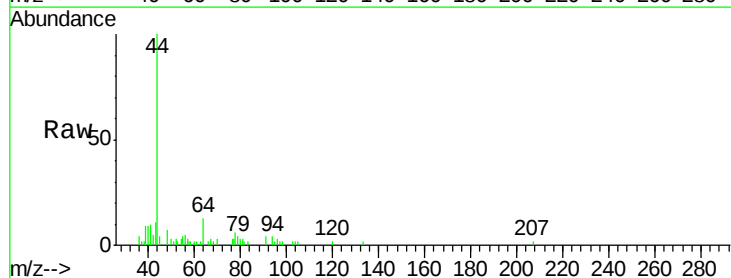
Instrument :
MSVOA_X
ClientSampled :
MW-17

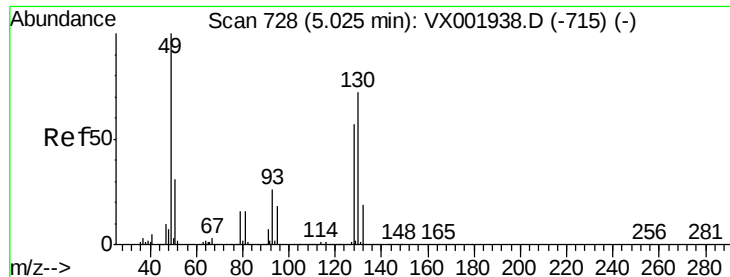
Tgt Ion: 84 Resp: 693
Ion Ratio Lower Upper
84 100
49 56.5 107.2 160.8#
51 16.3 32.4 48.6#
86 48.4 50.4 75.6#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002167.D
Acq: 31 May 2018 05:43

Tgt Ion: 96 Resp: 181
Ion Ratio Lower Upper
96 100
61 64.8 113.3 169.9#
98 57.1 51.7 77.5





#28

Bromochloromethane

Concen: Below Cal

RT: 5.07 min Scan# 736

Delta R.T. 0.05 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

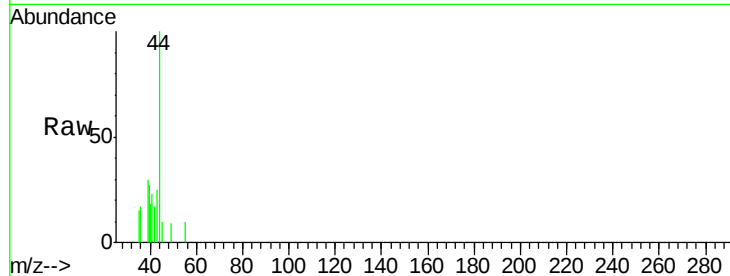
Instrument :

MSVOA_X

ClientSampleId :

MW-17

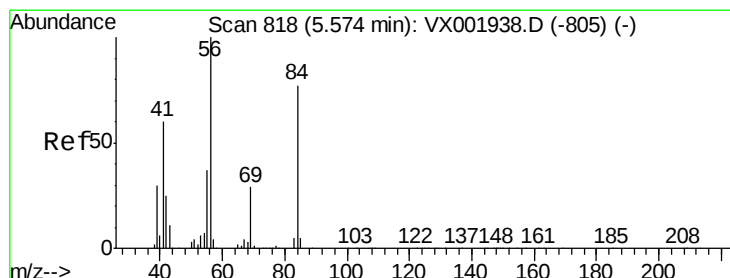
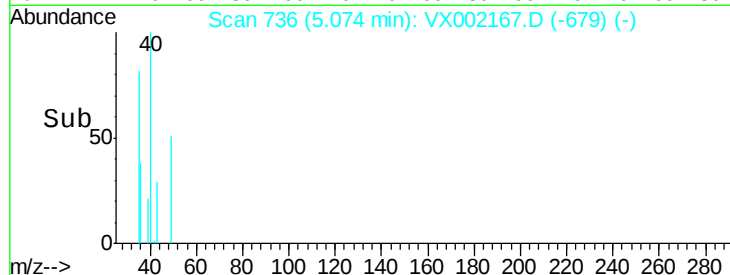
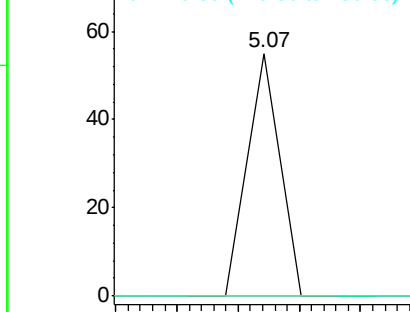
Tgt Ion:	49	Resp:	20
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.91 ug/l

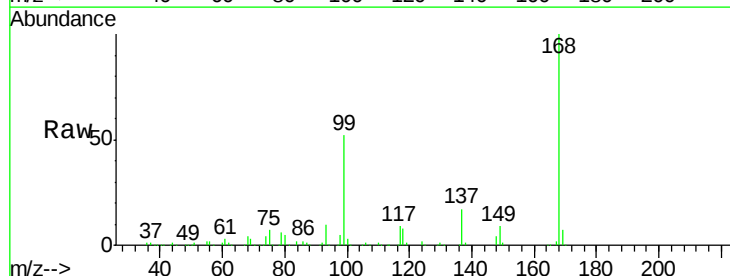
RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

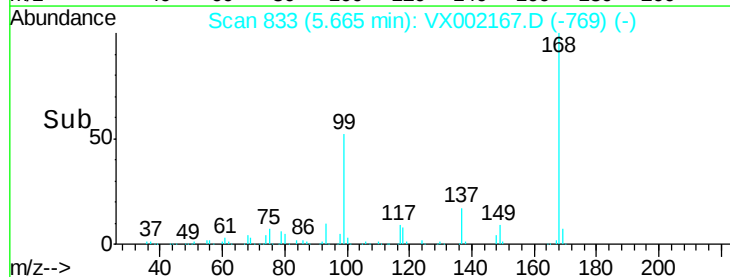
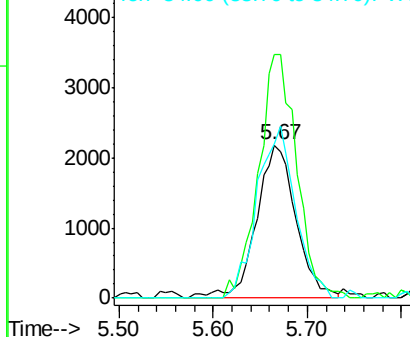
Tgt Ion:	56	Resp:	6408
Ion	Ratio	Lower	Upper
56	100		
69	158.9	23.1	34.7#
84	100.5	62.0	93.0#

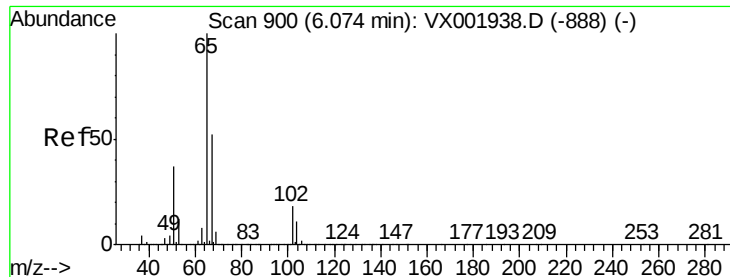


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 35.47 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

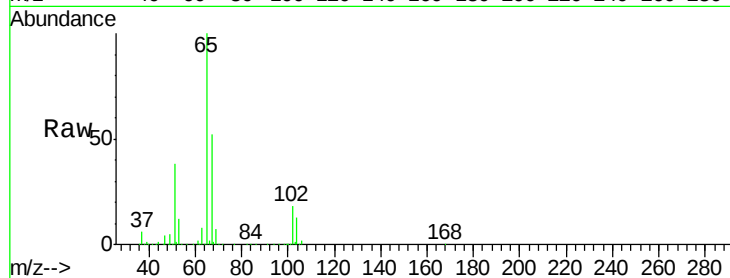
MW-17

Tgt Ion: 65 Resp: 180672

Ion Ratio Lower Upper

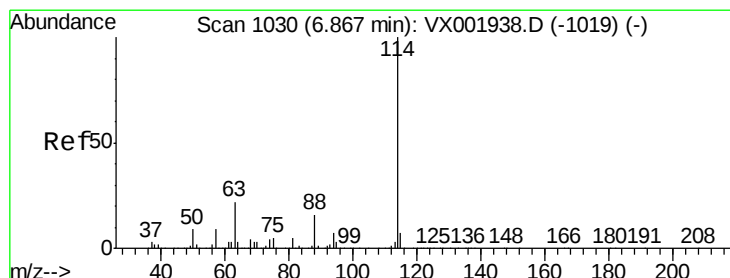
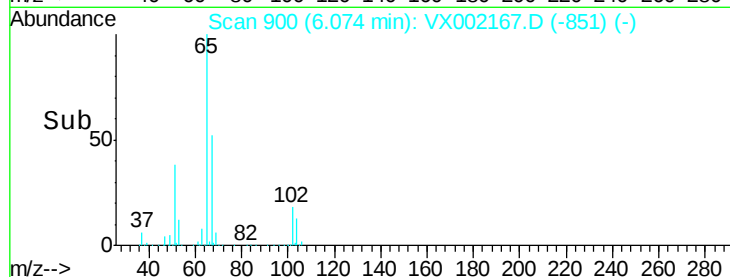
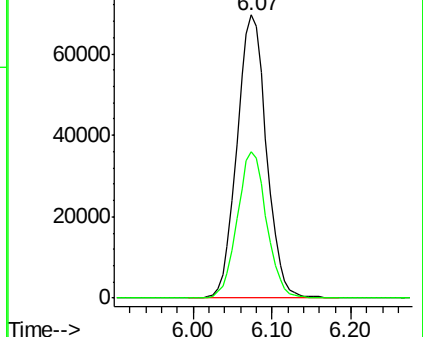
65 100

67 51.5 0.0 104.0



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: VX002167.D

Acq: 31 May 2018 05:43

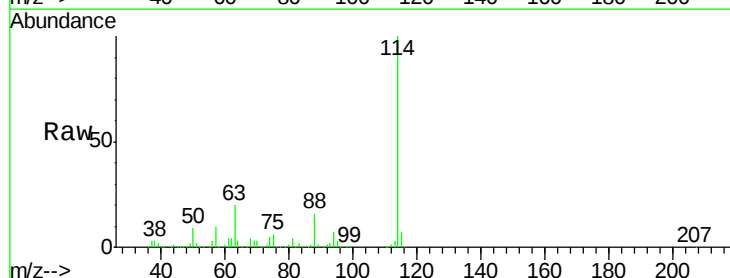
Tgt Ion: 114 Resp: 411817

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

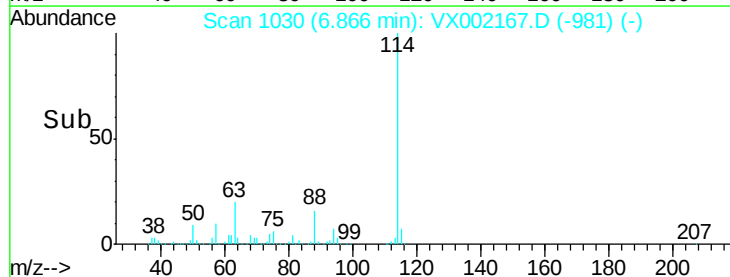
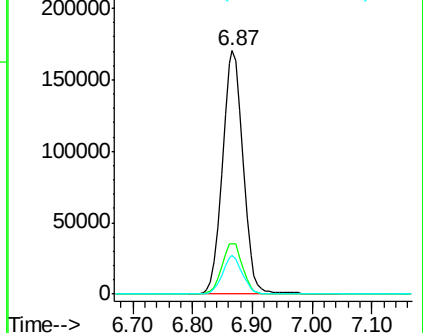
88 15.7 0.0 31.6

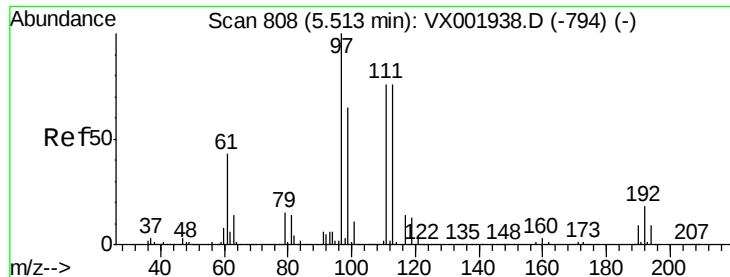


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 32.57 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

MW-17

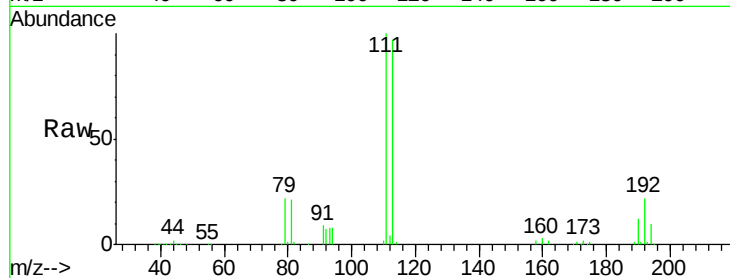
Tgt Ion:113 Resp: 134125

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

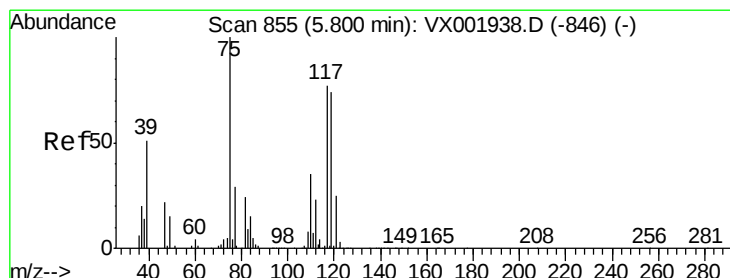
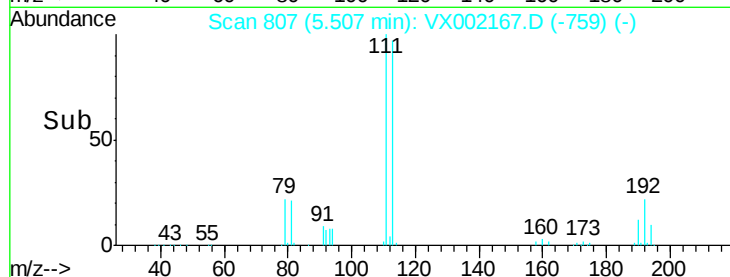
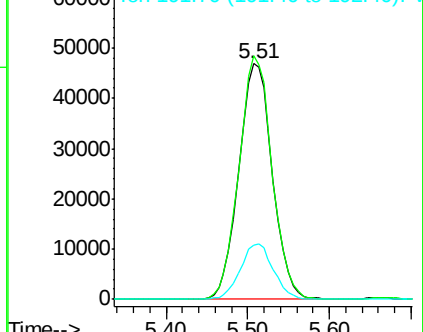
192 23.2 18.9 28.3



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: 3.57 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

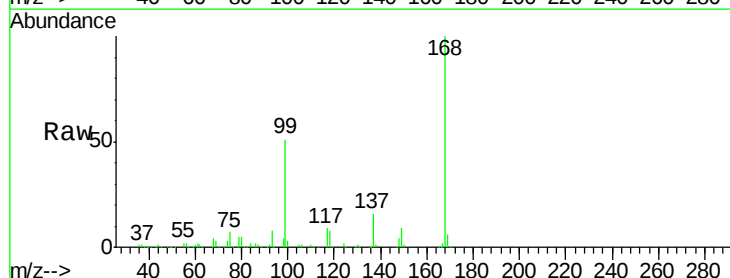
Tgt Ion: 75 Resp: 20444

Ion Ratio Lower Upper

75 100

110 9.7 17.4 52.2#

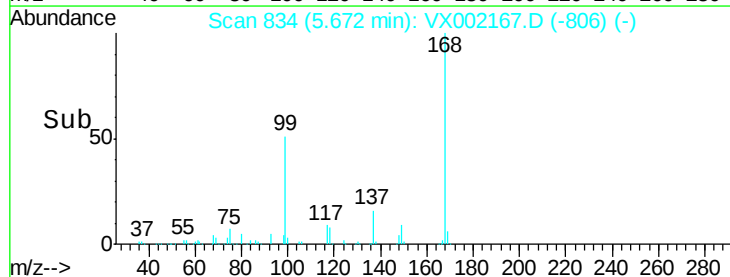
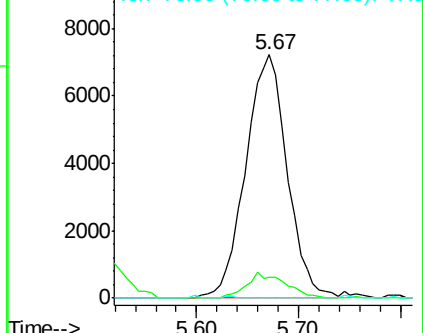
77 0.0 24.4 36.6#

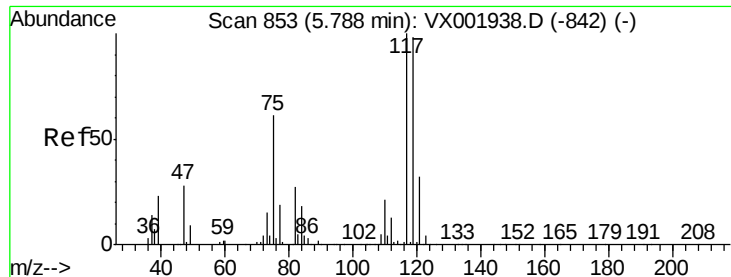


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.97 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

MW-17

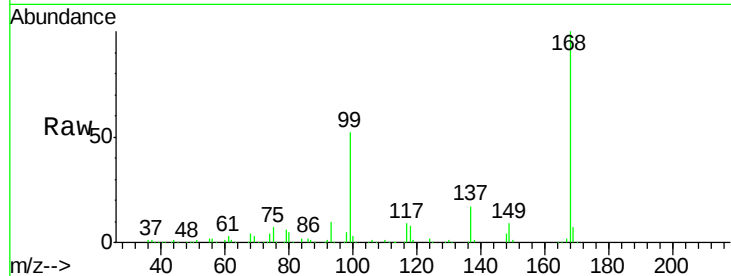
Tgt Ion:117 Resp: 26546

Ion Ratio Lower Upper

117 100

119 5.4 78.5 117.7#

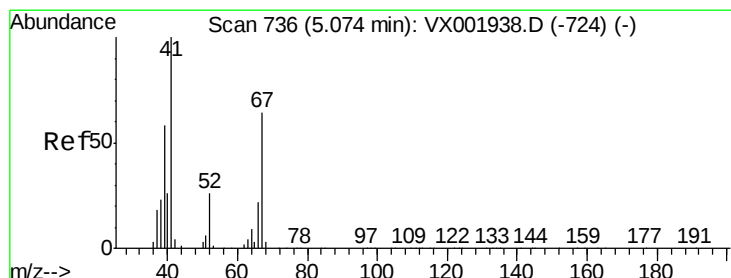
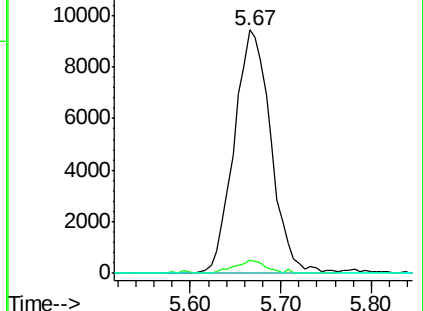
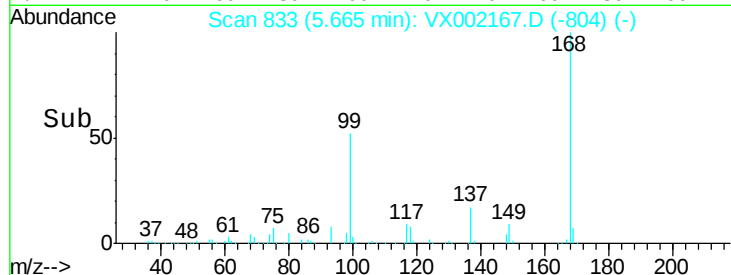
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Tgt Ion: 41 Resp: 96

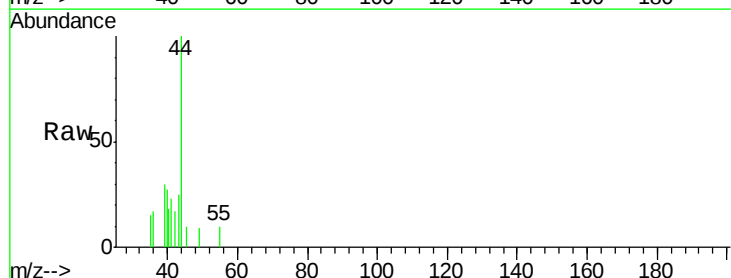
Ion Ratio Lower Upper

41 100

39 86.5 46.0 69.0#

67 22.9 50.6 75.8#

52 0.0 21.9 32.9#

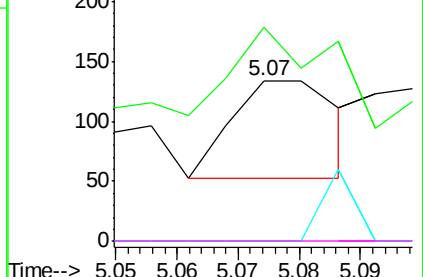
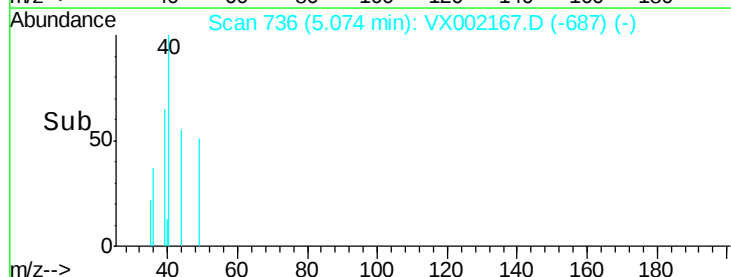


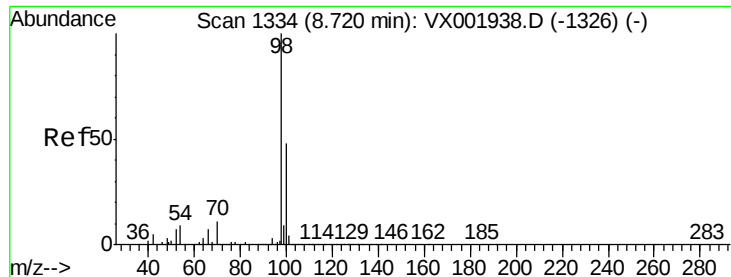
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 36.49 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

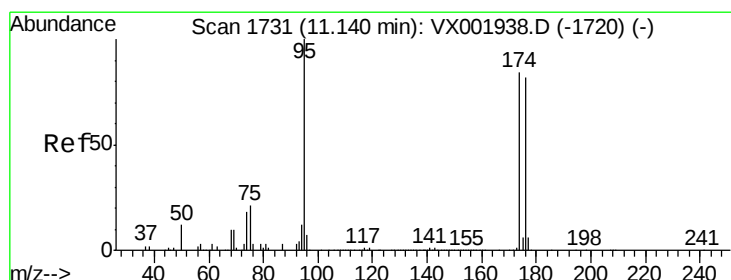
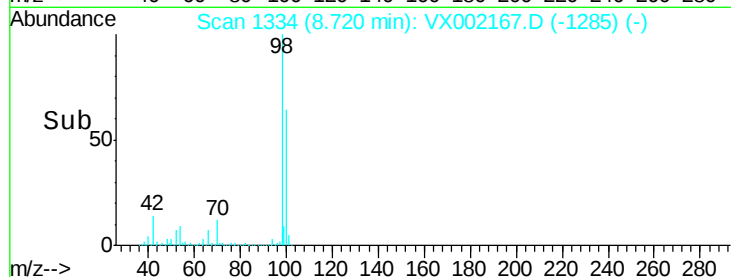
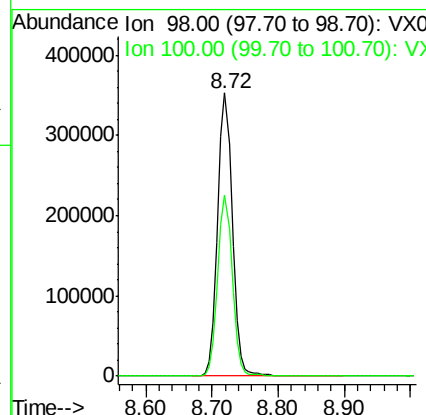
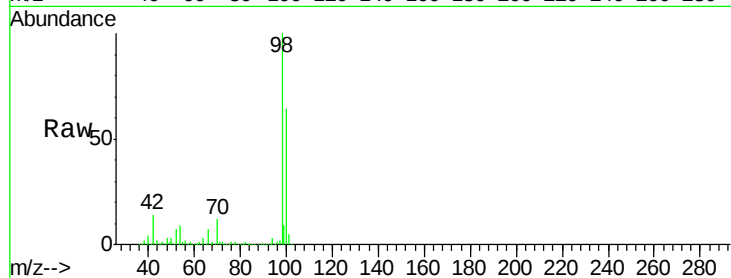
MW-17

Tgt Ion: 98 Resp: 543993

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 32.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

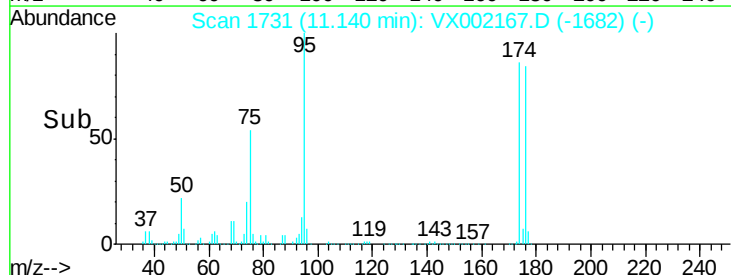
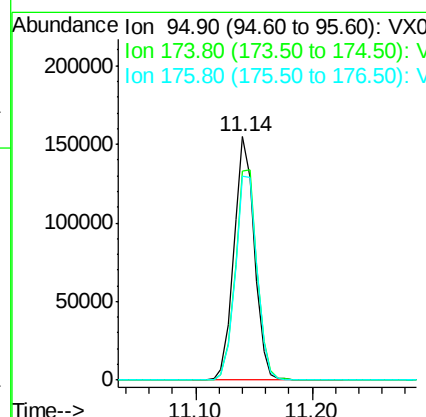
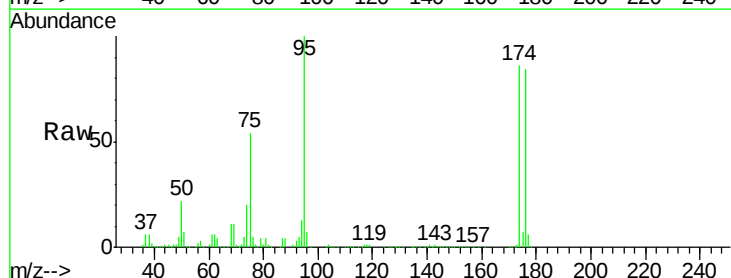
Tgt Ion: 95 Resp: 189182

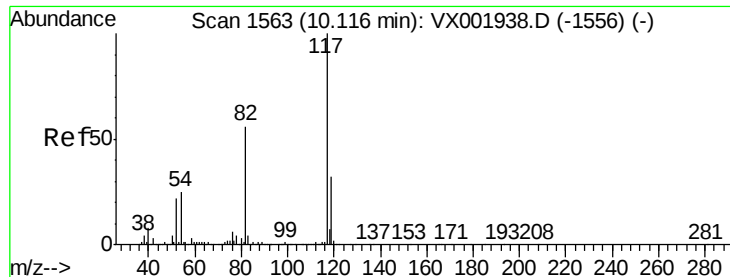
Ion Ratio Lower Upper

95 100

174 92.2 0.0 178.8

176 89.7 0.0 175.6

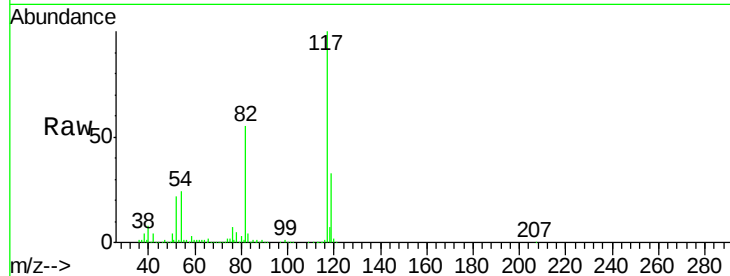




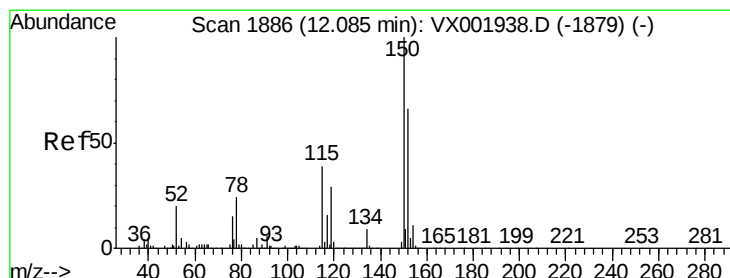
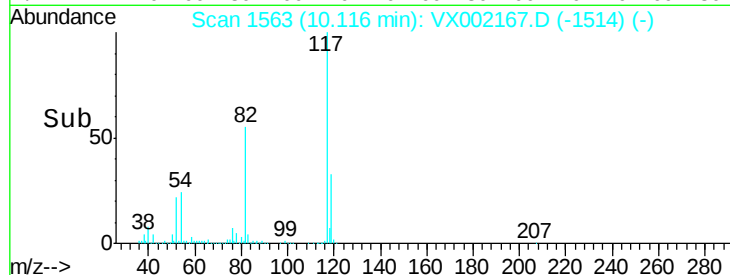
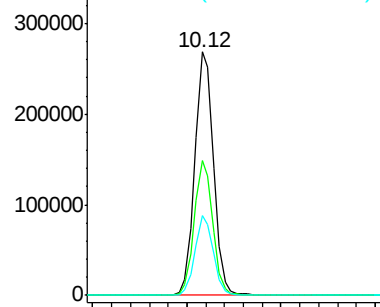
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002167.D
Acq: 31 May 2018 05:43

Instrument :
MSVOA_X
ClientSampleId :
MW-17

Tgt Ion:117 Resp: 370583
Ion Ratio Lower Upper
117 100
82 55.1 44.8 67.2
119 32.7 25.5 38.3

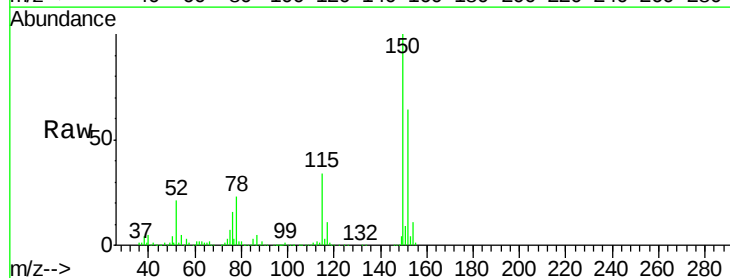


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

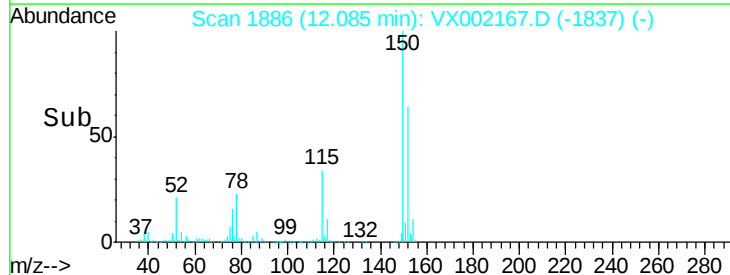
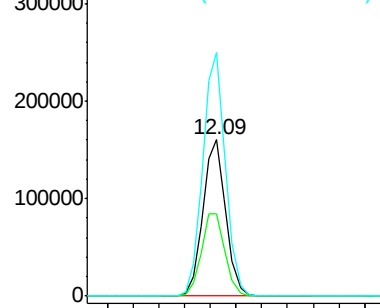


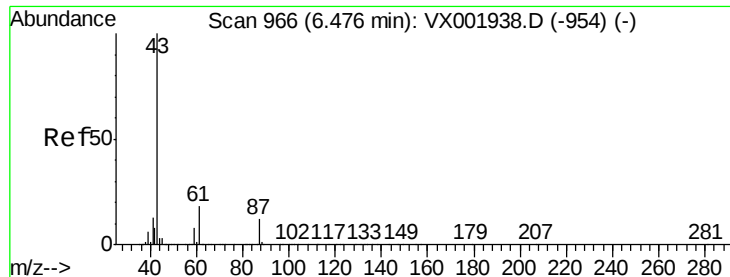
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002167.D
Acq: 31 May 2018 05:43

Tgt Ion:152 Resp: 198166
Ion Ratio Lower Upper
152 100
115 55.1 42.3 126.8
150 155.6 0.0 351.0



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





#74

N-amyI acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

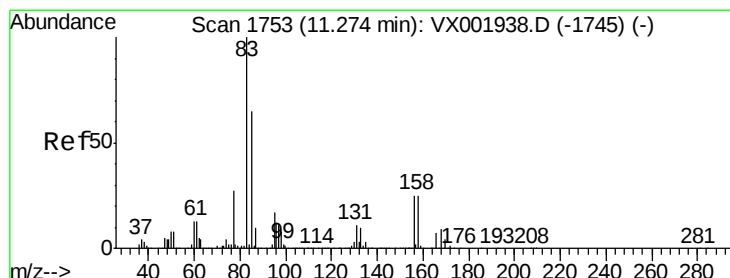
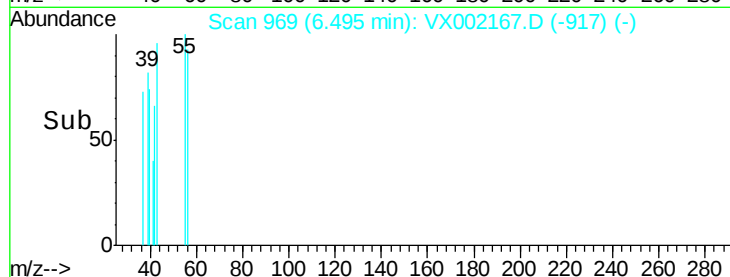
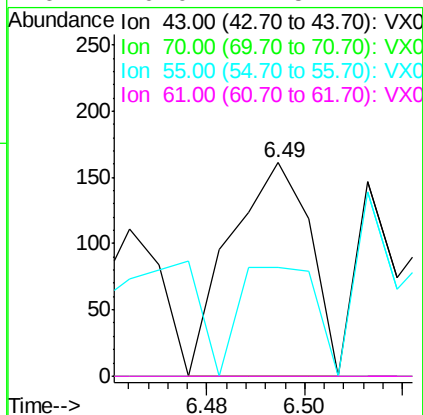
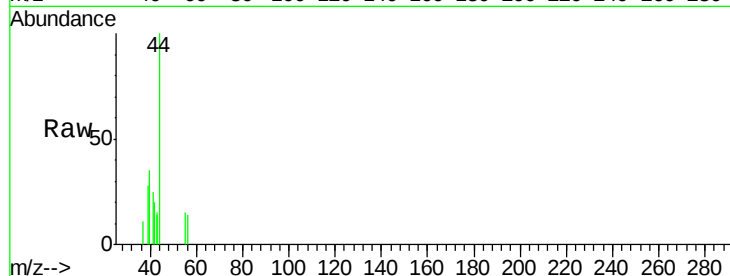
Instrument :

MSVOA_X

ClientSampleId :

MW-17

Tgt Ion:	43	Resp:	183
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	48.6	0.1	0.1#
61	0.0	14.5	21.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

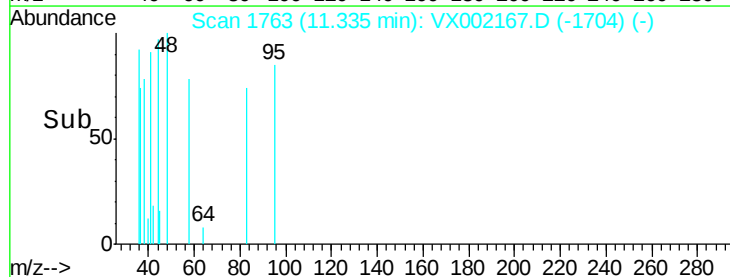
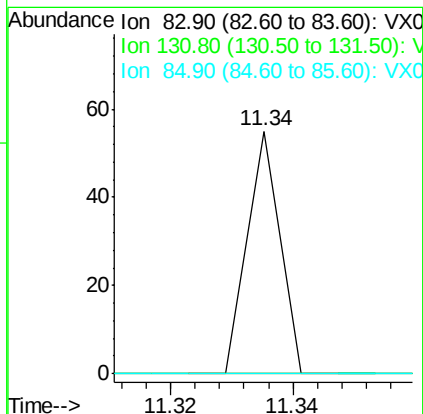
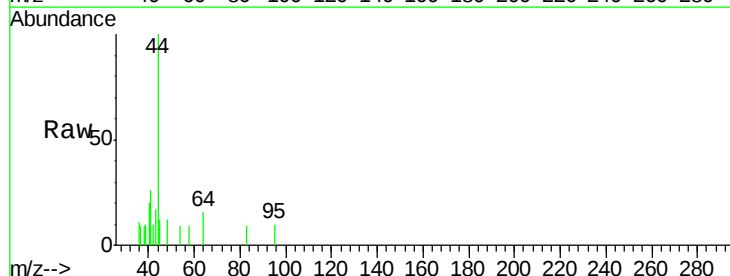
RT: 11.34 min Scan# 1763

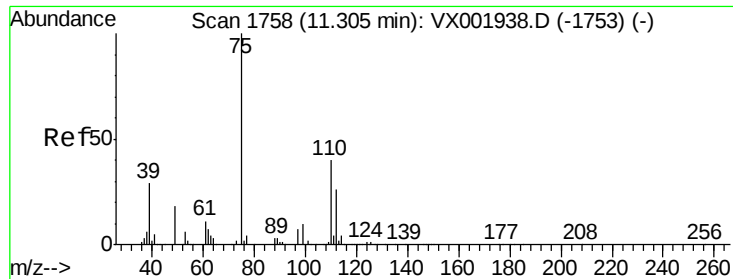
Delta R.T. 0.06 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Tgt Ion:	83	Resp:	20
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.7	17.0#
85	0.0	32.6	97.7#





#76

1,2,3-Trichloropropane

Concen: 21.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

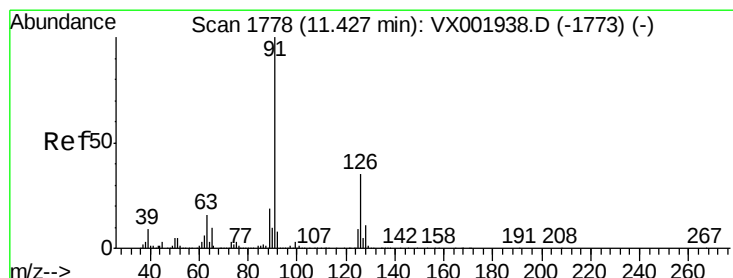
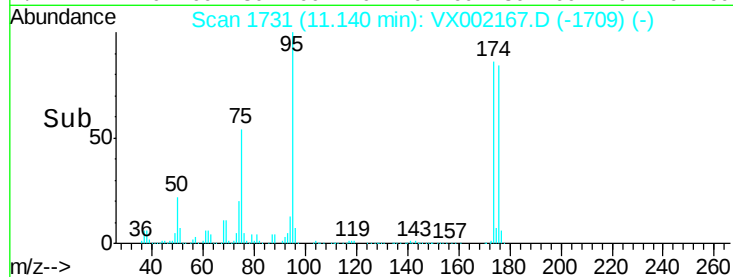
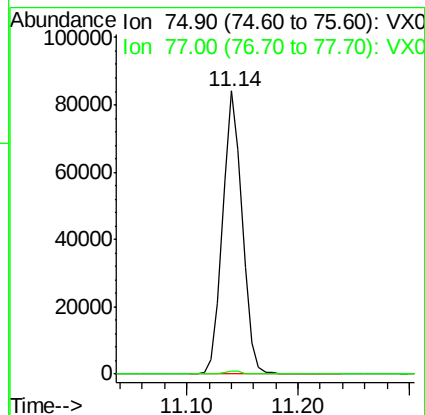
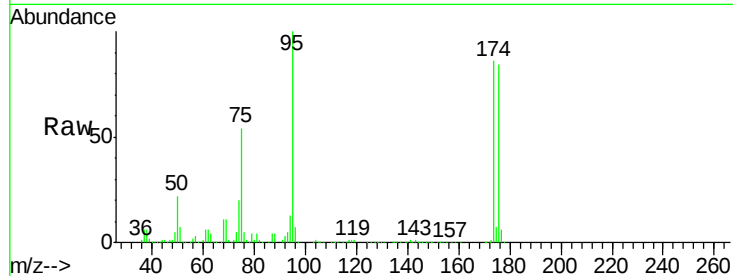
MW-17

Tgt Ion: 75 Resp: 102321

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX002167.D

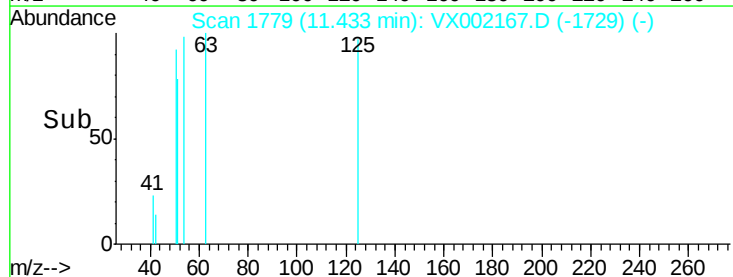
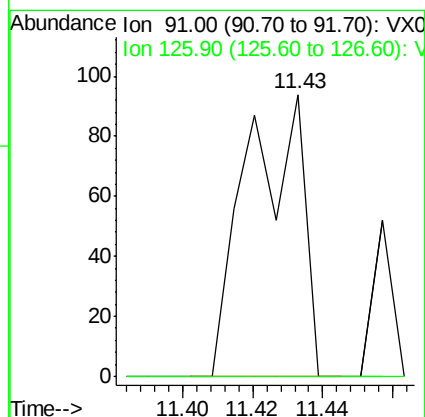
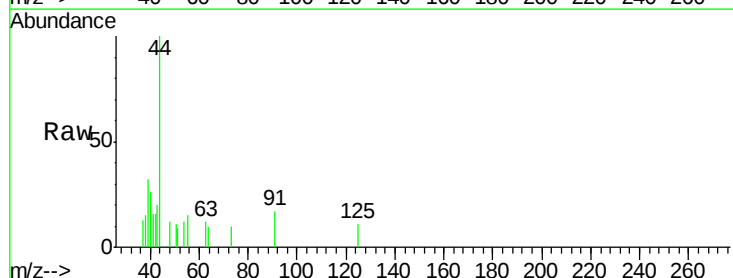
Acq: 31 May 2018 05:43

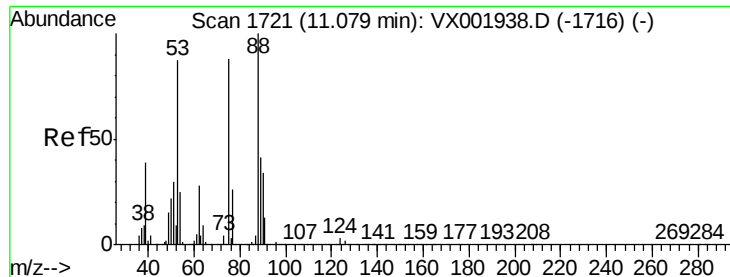
Tgt Ion: 91 Resp: 106

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002167.D

Acq: 31 May 2018 05:43

Instrument :

MSVOA_X

ClientSampleId :

MW-17

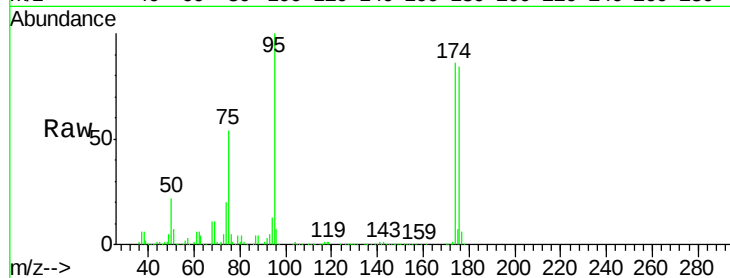
Tgt Ion: 75 Resp: 102321

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#



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

