

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002184.D
 Acq On : 31 May 2018 18:20
 Operator : JC/MD
 Sample : J3183-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 01 03:23:56 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	287938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	411706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	368954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200355	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	231499	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	5.51	113	171870	41.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.50%	
50) Toluene-d8	8.72	98	680107	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
62) 4-Bromofluorobenzene	11.14	95	236656	40.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.16%	

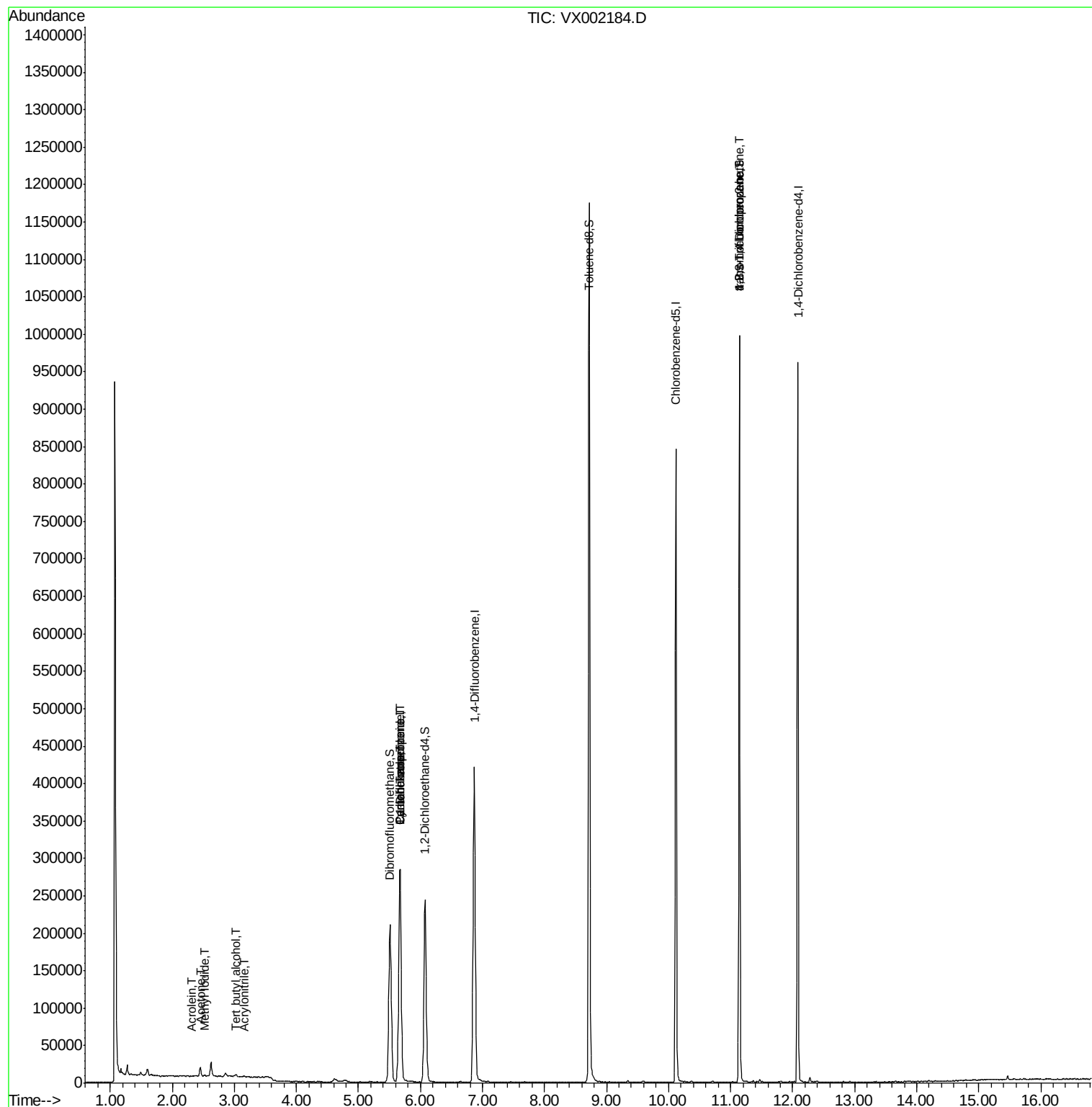
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.19	85	177	Below Cal		92
5) Bromomethane	1.67	94	1420	Below Cal		90
10) Methyl Iodide	2.52	142	1584	0.33 ug/l	#	85
11) Tert butyl alcohol	3.03	59	1459	1.44 ug/l	#	87
13) Acrolein	2.31	56	89	0.20 ug/l		87
15) Acrylonitrile	3.16	53	451	0.22 ug/l	#	64
16) Acetone	2.45	43	13242	6.67 ug/l		99
18) Methyl Acetate	2.78	43	379	Below Cal	#	81
20) Methylene Chloride	2.86	84	2019	Below Cal		92
21) trans-1,2-Dichloroethene	3.16	96	231	Below Cal	#	61
28) Bromochloromethane	5.03	49	26	Below Cal	#	88
31) Cyclohexane	5.67	56	6456	0.91 ug/l	#	7
36) 1,1-Dichloropropene	5.67	75	20664	3.61 ug/l	#	52
38) Carbon Tetrachloride	5.67	117	26627	3.99 ug/l	#	15
41) Methacrylonitrile	5.07	41	125	Below Cal	#	46
74) N-amyl acetate	6.47	43	161	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.14	83	281	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.14	75	128162	26.63 ug/l	#	32
79) 2-Chlorotoluene	11.52	91	401	Below Cal		86
81) trans-1,4-Dichloro-2-buten	11.14	75	128162	64.01 ug/l	#	10

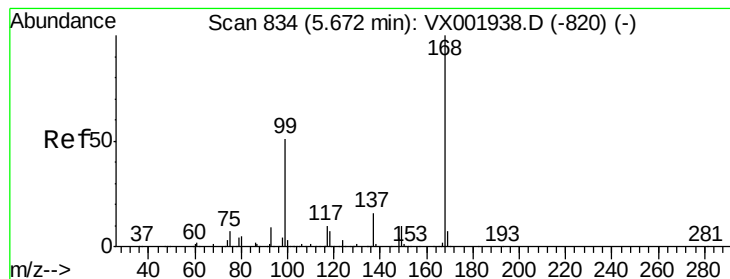
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 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: VX002184.D

Acq: 31 May 2018 18:20

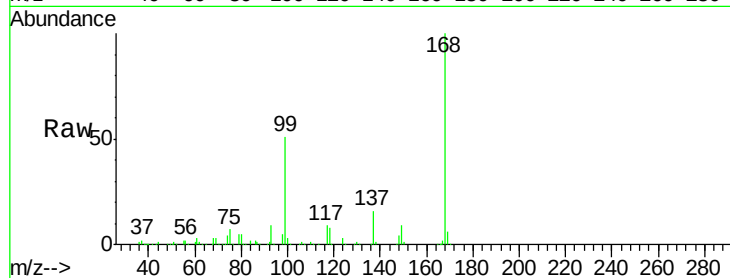
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 287938

Ion Ratio Lower Upper

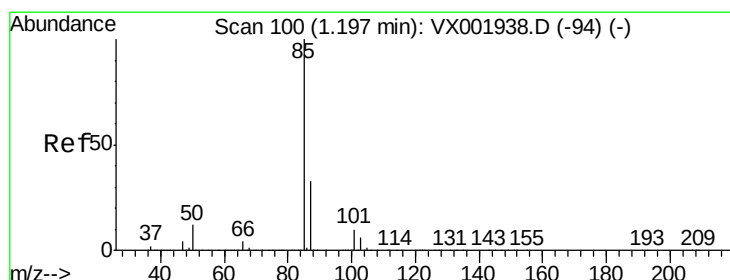
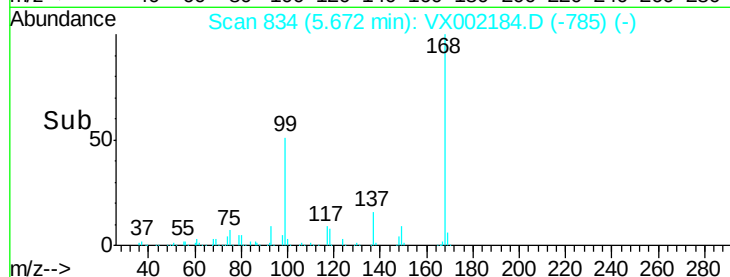
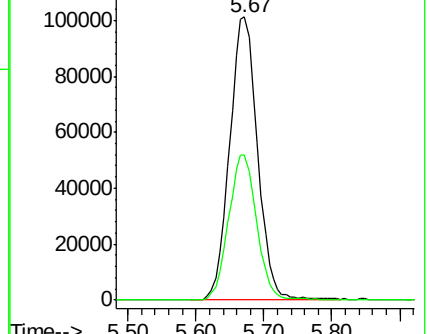
168 100

99 51.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX002184.D

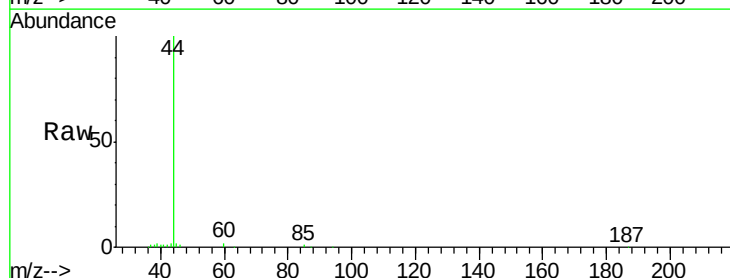
Acq: 31 May 2018 18:20

Tgt Ion: 85 Resp: 177

Ion Ratio Lower Upper

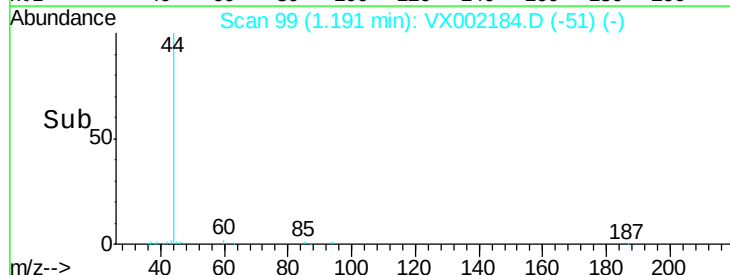
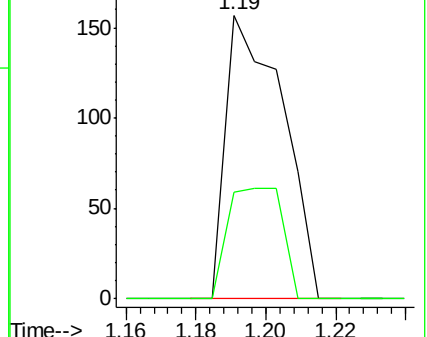
85 100

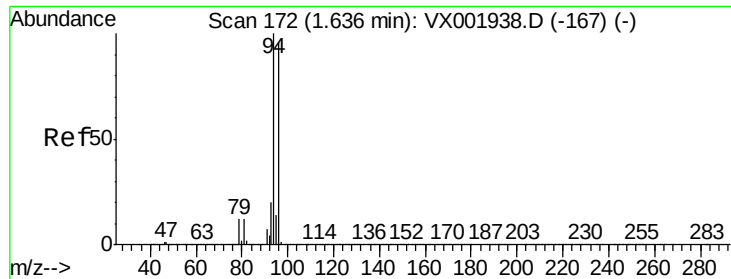
87 37.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Instrument :

MSVOA_X

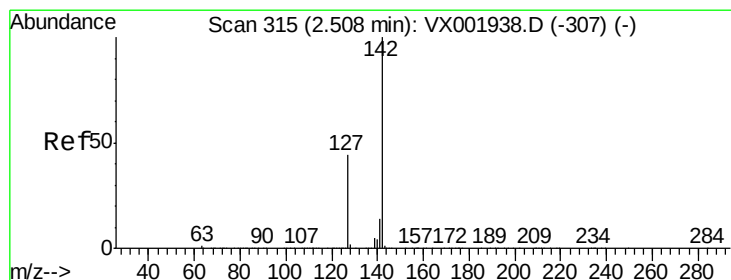
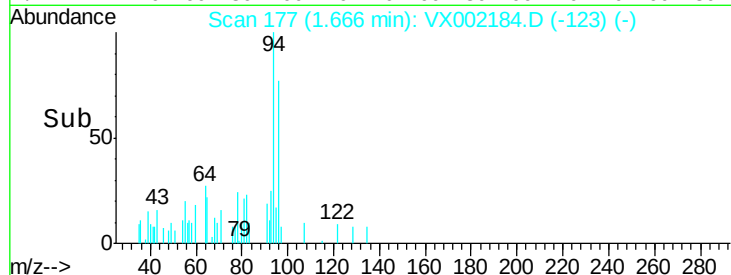
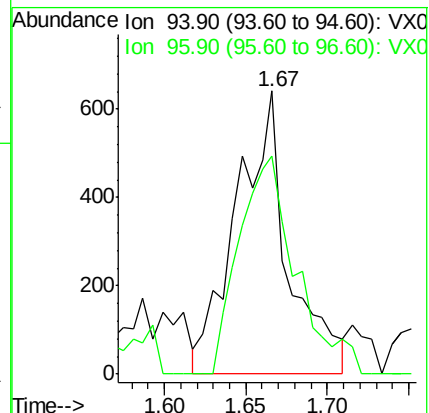
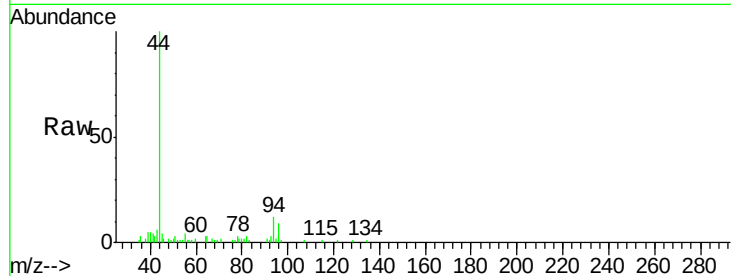
ClientSampleId :

Tot Ion: 94 Resp: 1420

Ion Ratio Lower Upper

94 100

96 84.8 75.9 113.9



#10

Methyl Iodide

Concen: 0.33 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

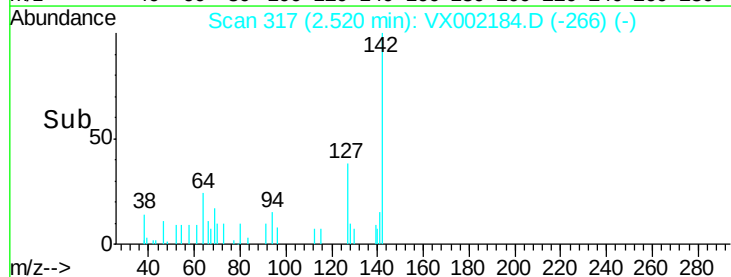
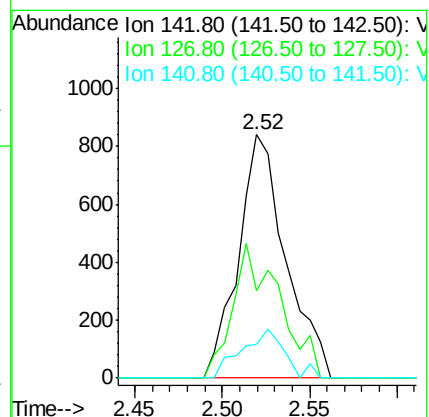
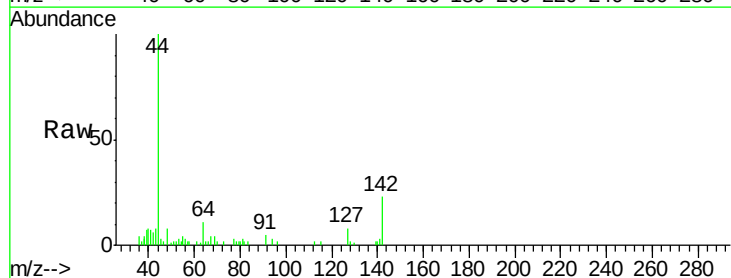
Tgt Ion: 142 Resp: 1584

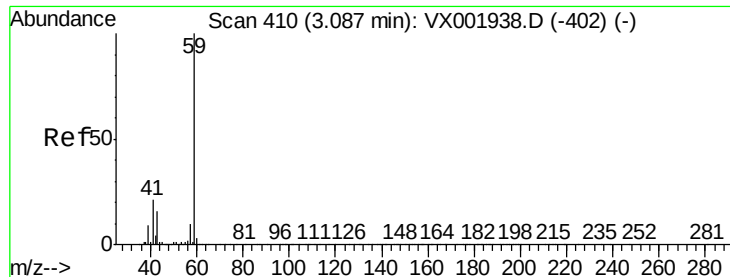
Ion Ratio Lower Upper

142 100

127 54.7 35.5 53.3#

141 18.4 11.3 16.9#





#11

Tert butyl alcohol

Concen: 1.44 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Instrument :

MSVOA_X

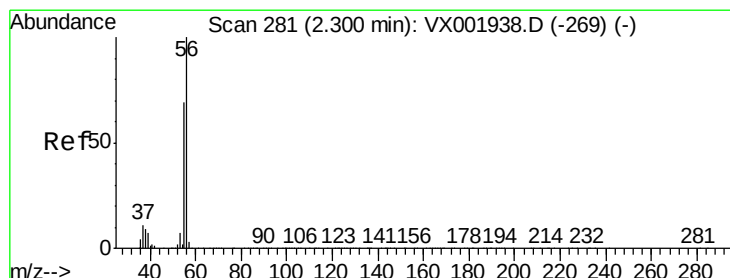
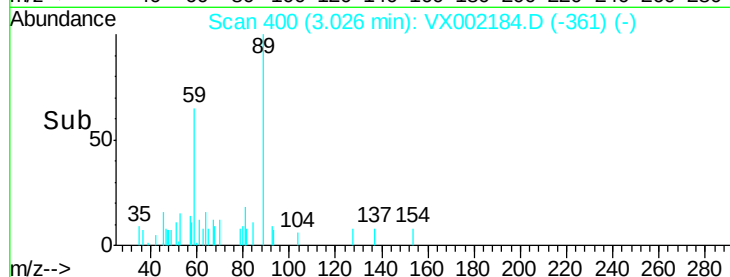
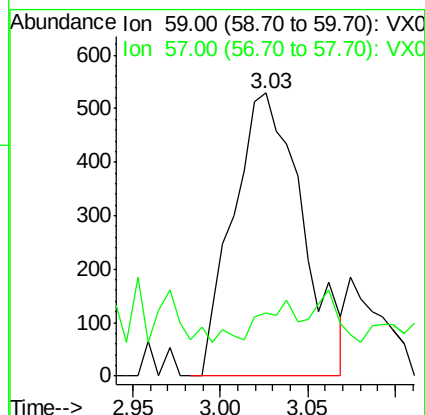
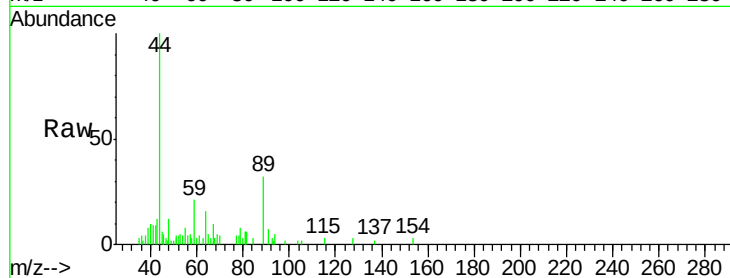
ClientSampled :

Tot Ion: 59 Resp: 1459

Ion Ratio Lower Upper

59 100

57 6.2 8.9 13.3#



#13

Acrolein

Concen: 0.20 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002184.D

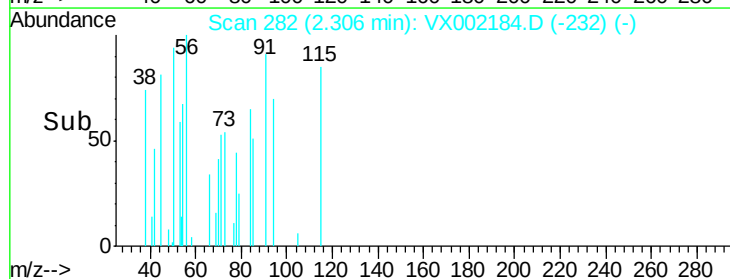
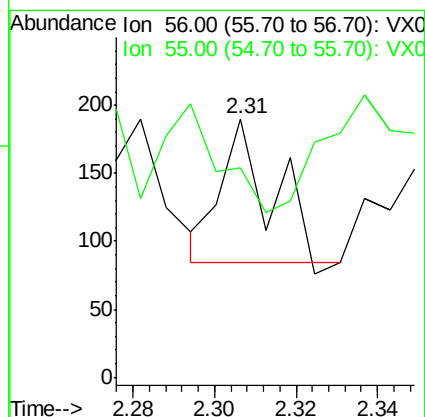
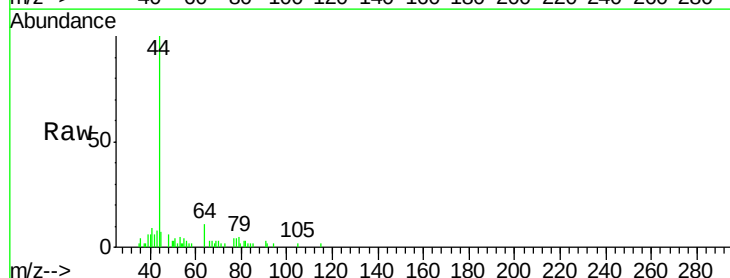
Acq: 31 May 2018 18:20

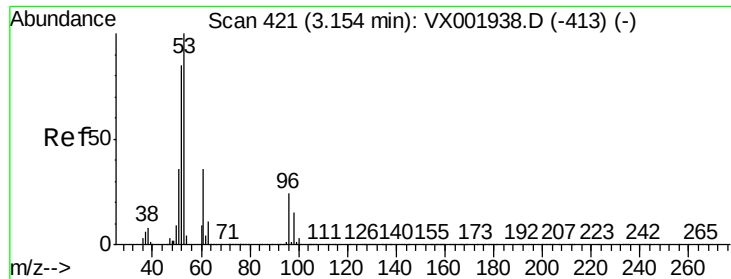
Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 82.0 56.8 85.2





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

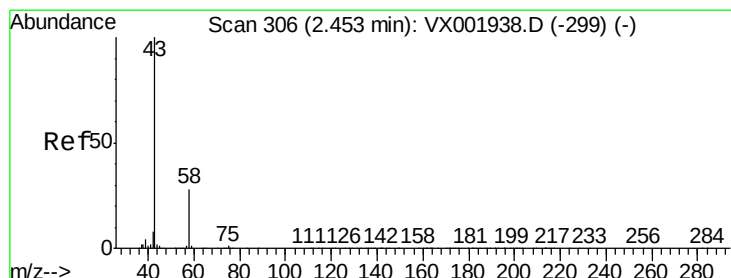
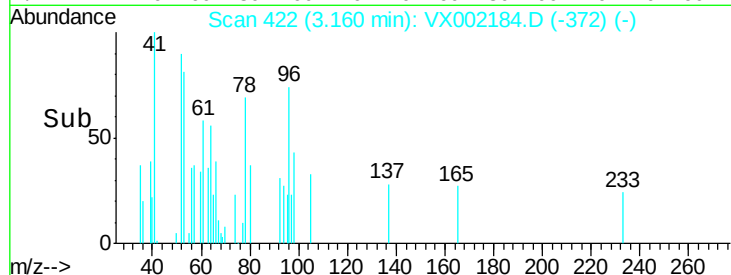
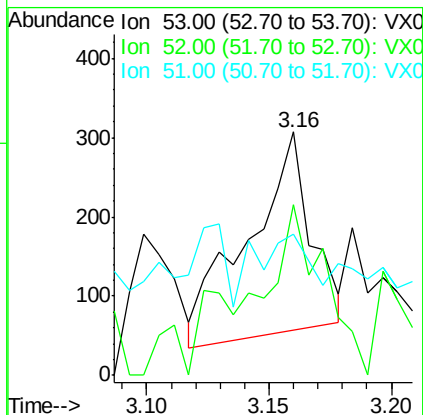
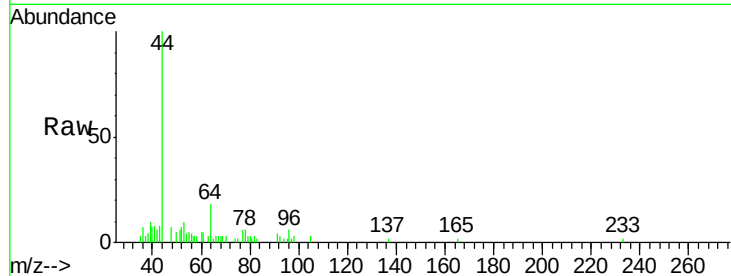
Lab File: VX002184.D

Acq: 31 May 2018 18:20

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 451

Ion	Ratio	Lower	Upper
53	100		
52	60.8	66.4	99.6#
51	0.0	29.3	43.9#



#16

Acetone

Concen: 6.67 ug/l

RT: 2.45 min Scan# 306

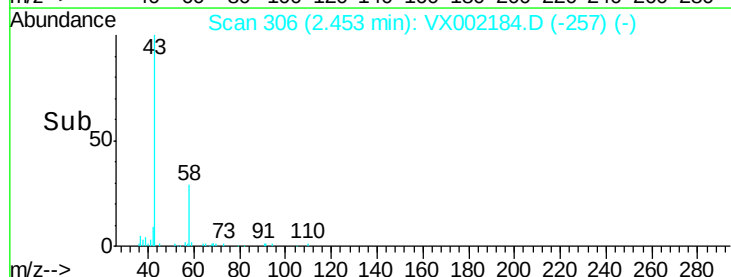
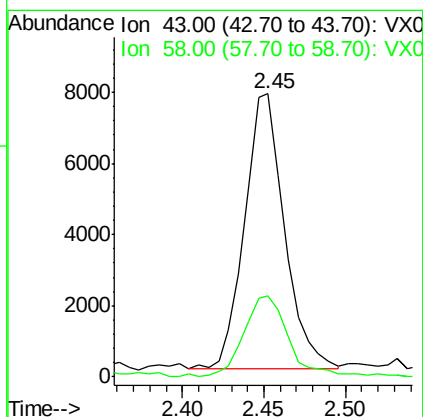
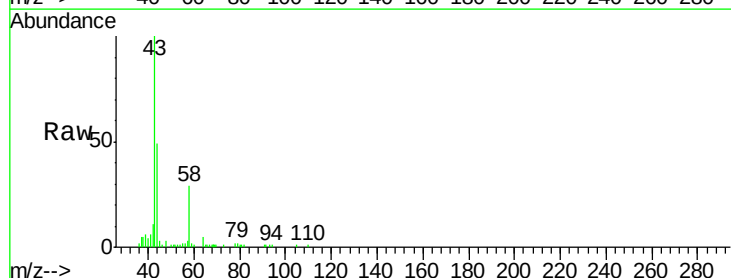
Delta R.T. -0.00 min

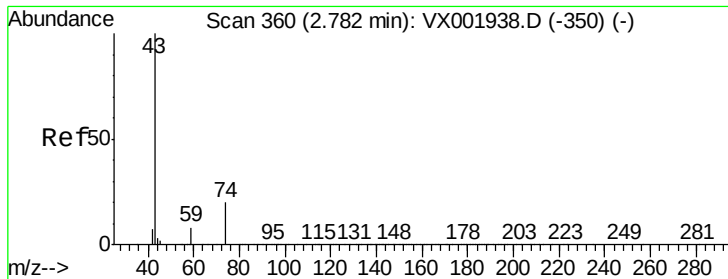
Lab File: VX002184.D

Acq: 31 May 2018 18:20

Tgt Ion: 43 Resp: 13242

Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.3	33.5

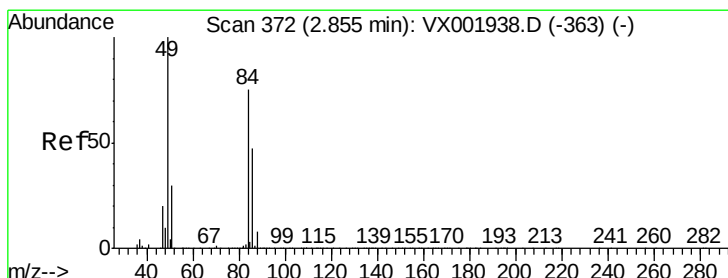
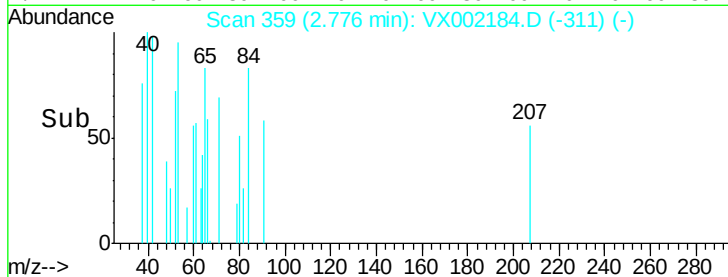
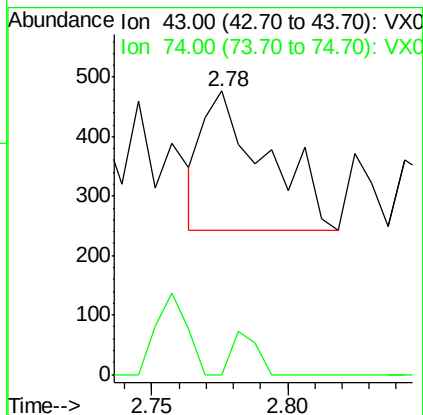
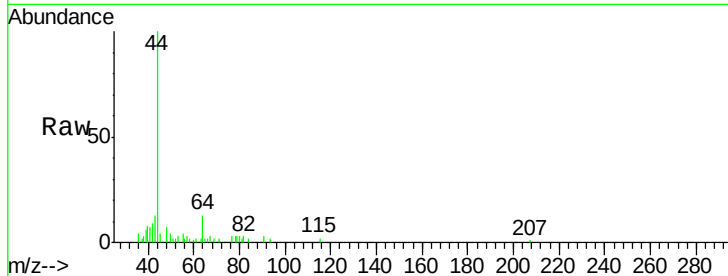




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

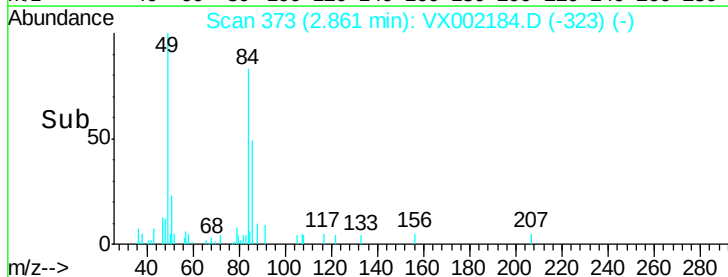
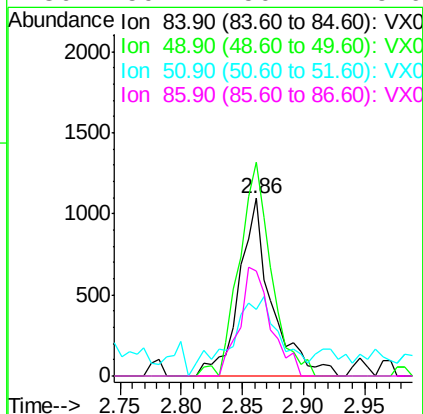
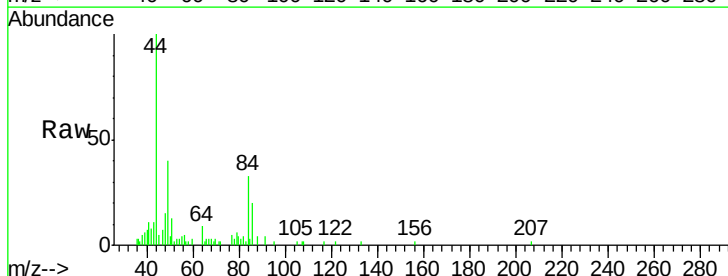
Instrument :
MSVOA_X
ClientSampled :

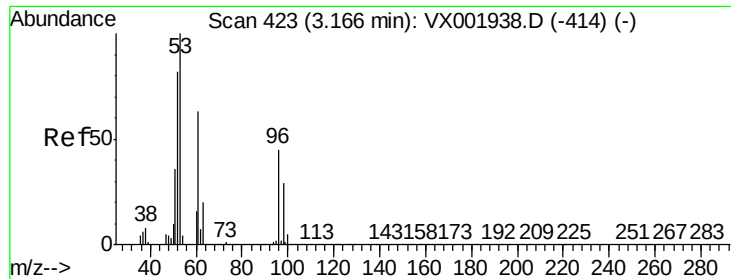
Tot Ion: 43 Resp: 379
Ion Ratio Lower Upper
43 100
74 12.1 16.8 25.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

Tgt Ion: 84 Resp: 2019
Ion Ratio Lower Upper
84 100
49 120.4 107.2 160.8
51 37.7 32.4 48.6
86 59.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 422

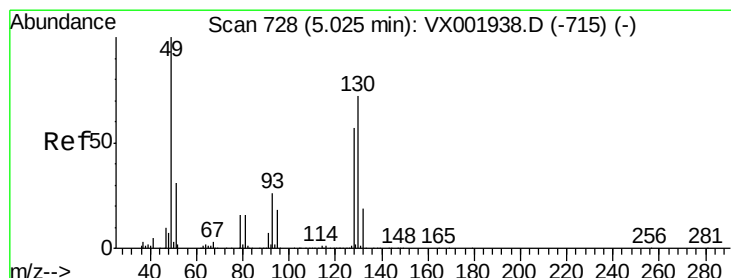
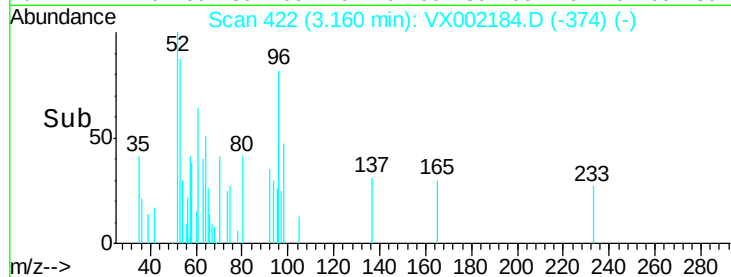
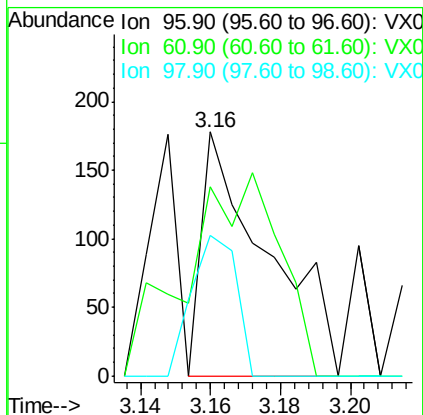
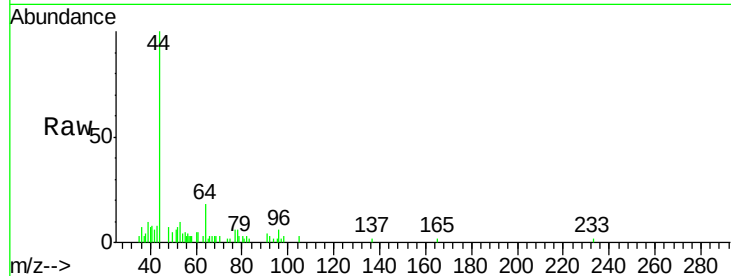
Delta R.T. -0.01 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 231
Ion Ratio Lower Upper
96 100
61 77.5 113.3 169.9#
98 57.3 51.7 77.5



#28

Bromochloromethane

Concen: Below Cal

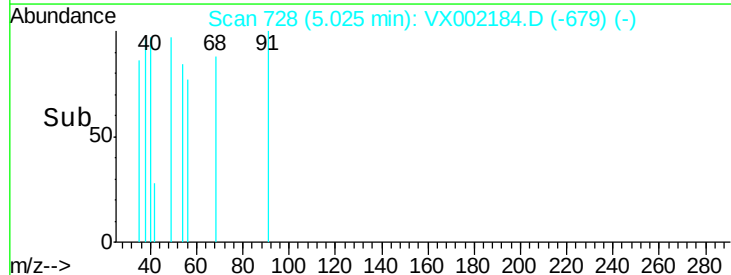
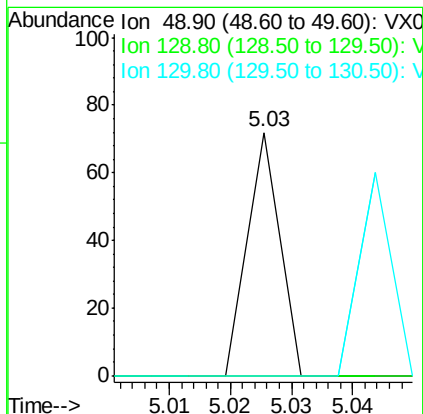
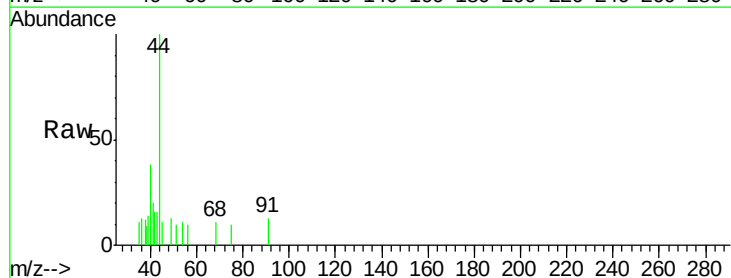
RT: 5.03 min Scan# 728

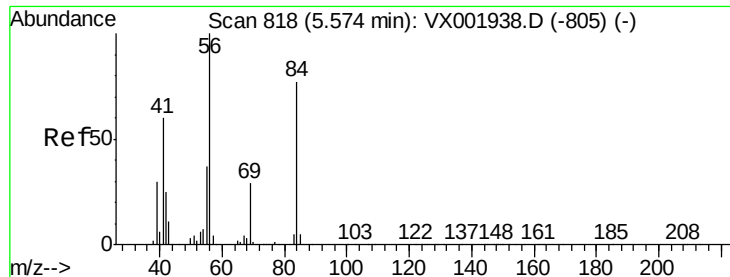
Delta R.T. 0.00 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Tgt Ion: 49 Resp: 26
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 84.6 59.4 89.2

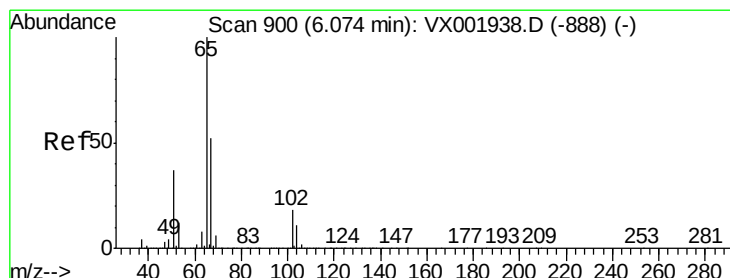
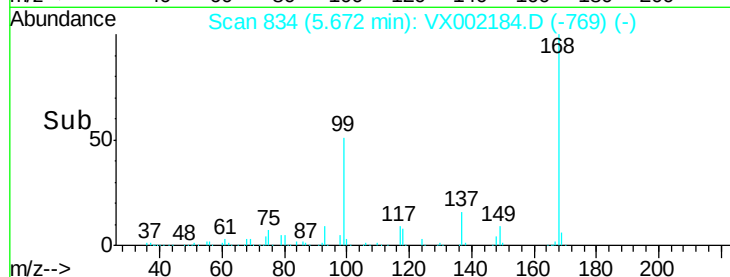
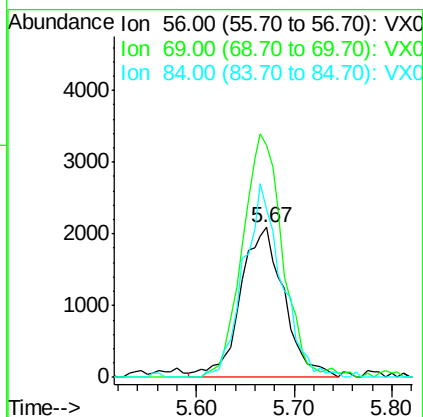
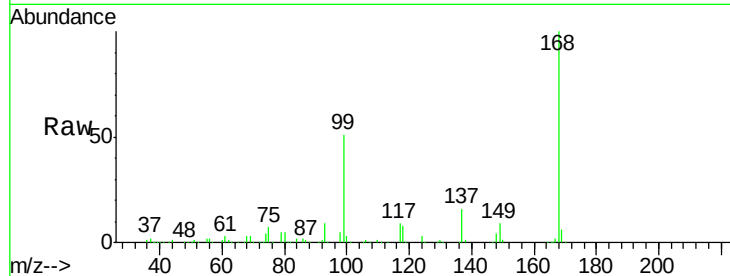




#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

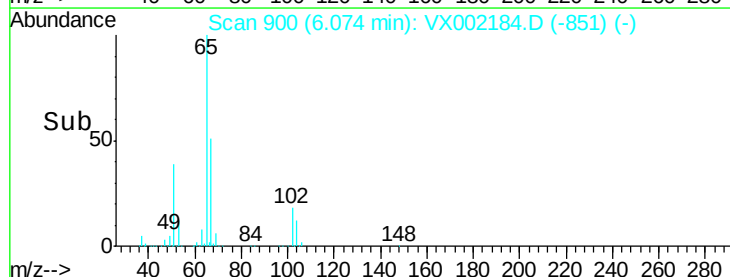
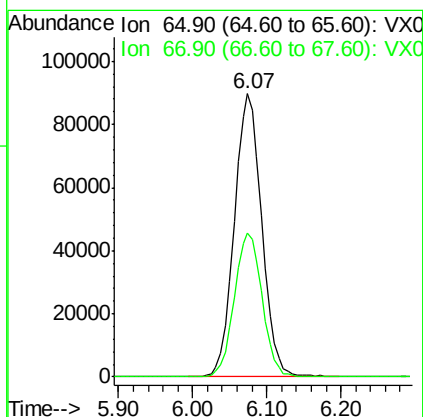
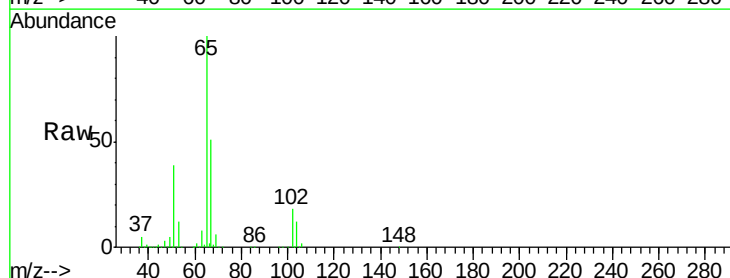
Instrument :
MSVOA_X
ClientSampleId :

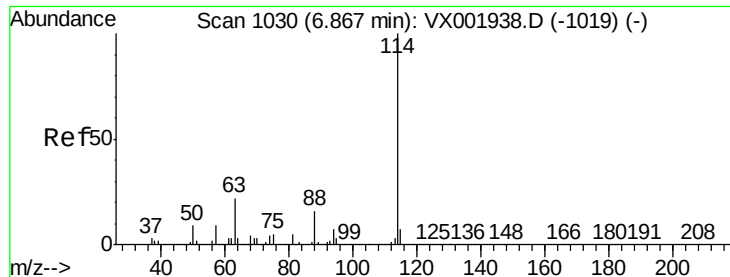
Tot Ion: 56 Resp: 6456
Ion Ratio Lower Upper
56 100
69 154.4 23.1 34.7#
84 112.0 62.0 93.0#



#33
1,2-Dichloroethane-d4
Concen: 44.98 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

Tgt Ion: 65 Resp: 231499
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0

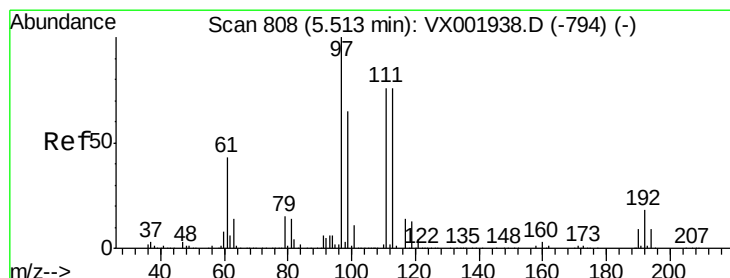
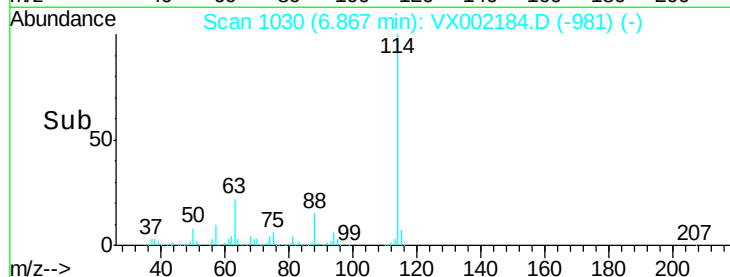
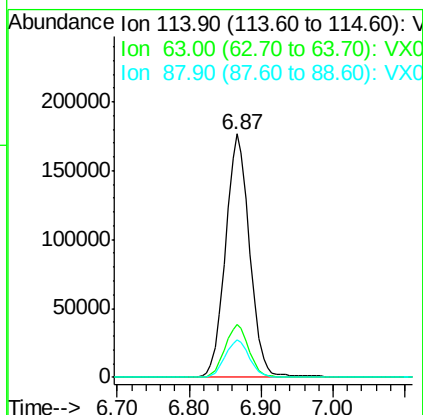
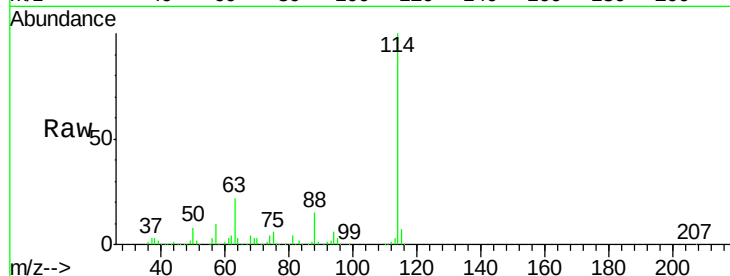




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002184.D
 Acq: 31 May 2018 18:20

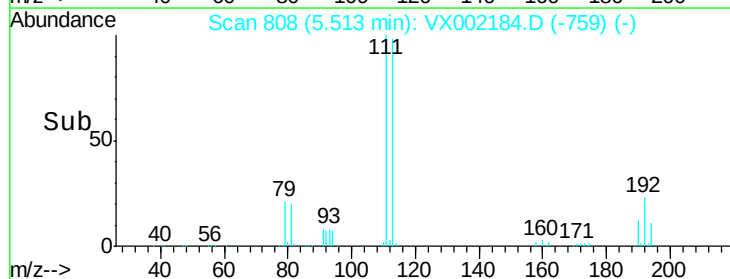
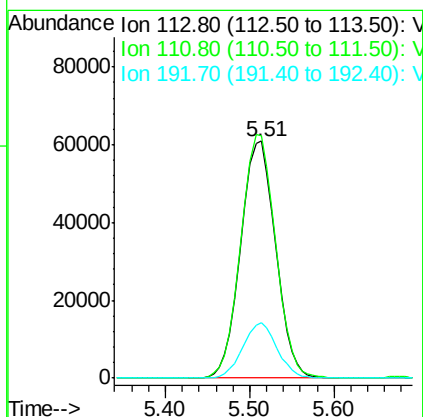
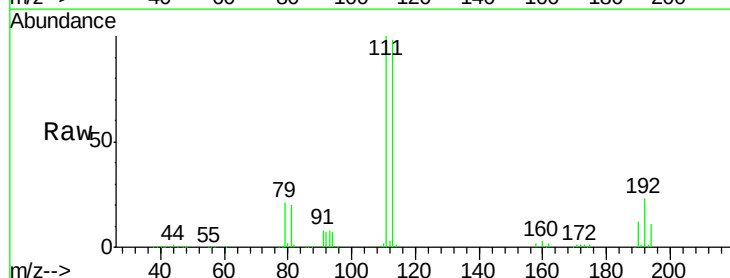
Instrument :
 MSVOA_X
 ClientSampleId :

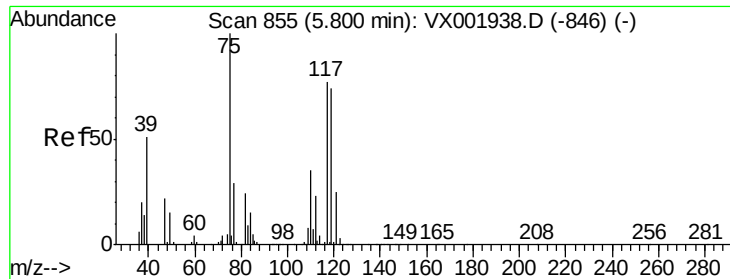
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	15.5	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 41.75 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002184.D
 Acq: 31 May 2018 18:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	22.8	18.9	28.3





#36

1,1-Dichloropropene

Concen: 3.61 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

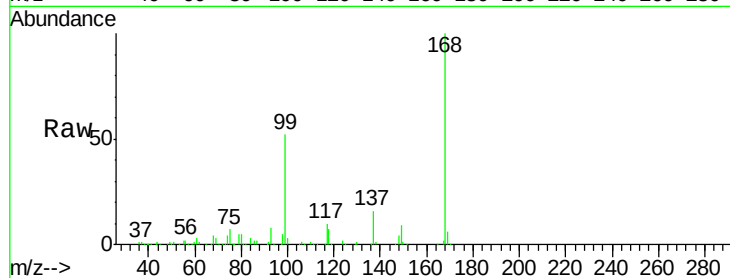
Tot Ion: 75 Resp: 20664

Ion Ratio Lower Upper

75 100

110 10.3 17.4 52.2#

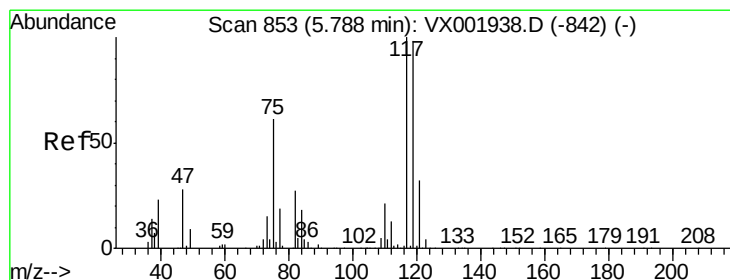
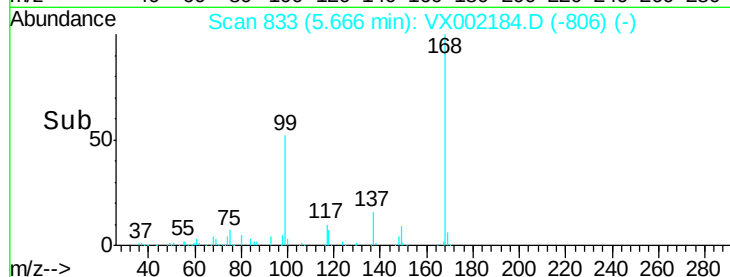
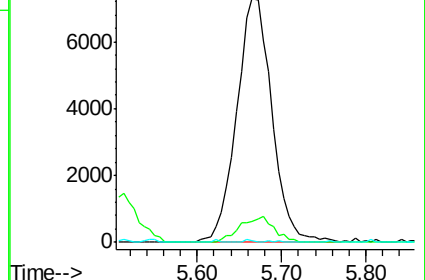
77 0.2 24.4 36.6#



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: 3.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

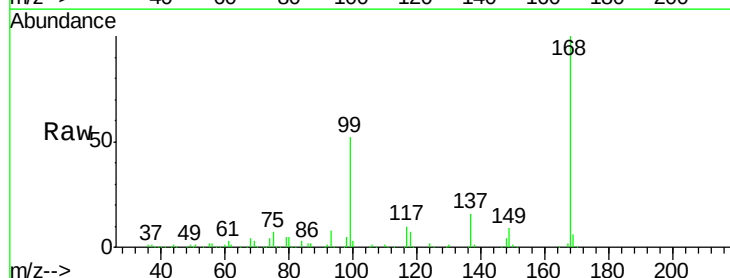
Tgt Ion: 117 Resp: 26627

Ion Ratio Lower Upper

117 100

119 4.9 78.5 117.7#

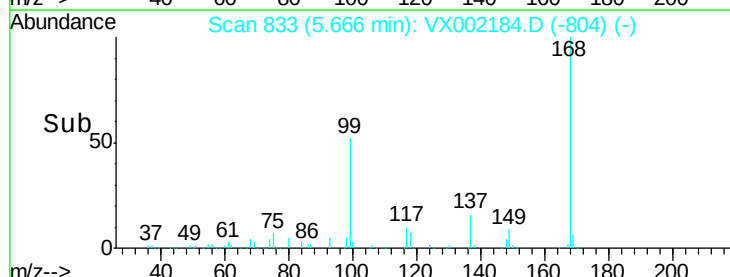
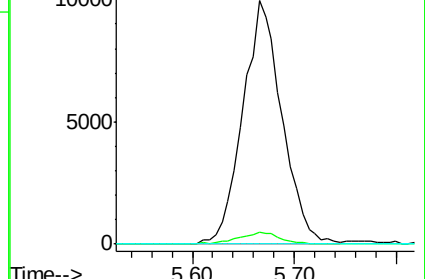
121 0.0 25.5 38.3#

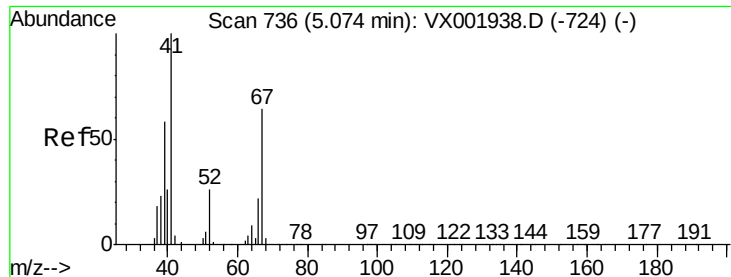


Abundance Ion 116.80 (116.50 to 117.50): V

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# 735

Delta R.T. -0.01 min

Lab File: VX002184.D

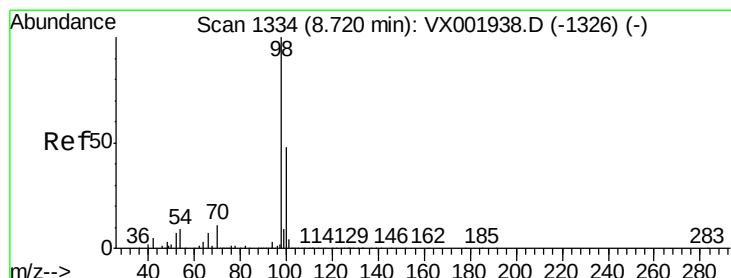
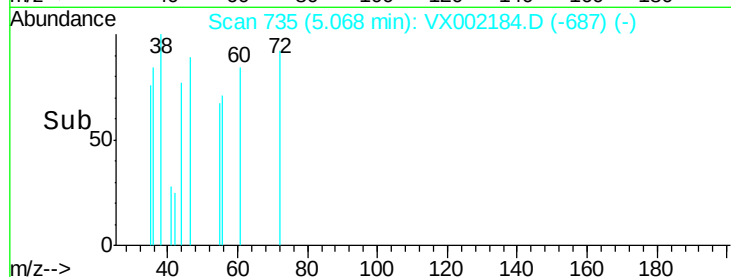
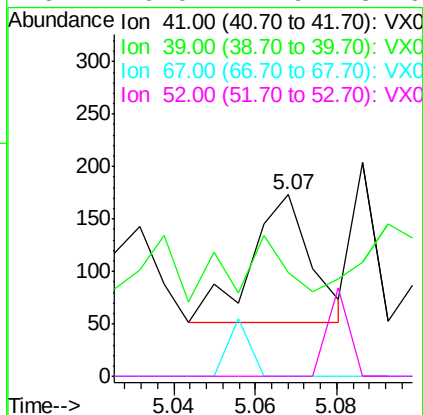
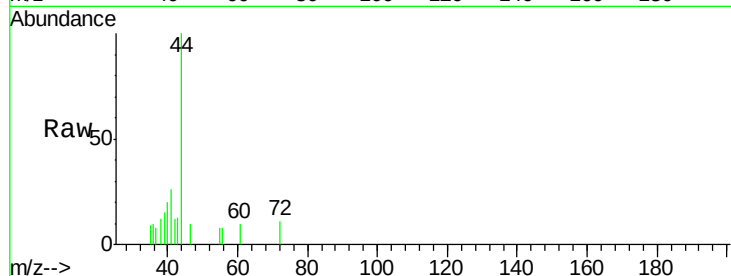
Acq: 31 May 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	41	Resp:	125
Ion	Ratio	Lower	Upper
41	100		
39	21.6	46.0	69.0#
67	16.0	50.6	75.8#
52	0.0	21.9	32.9#



#50

Toluene-d8

Concen: 45.63 ug/l

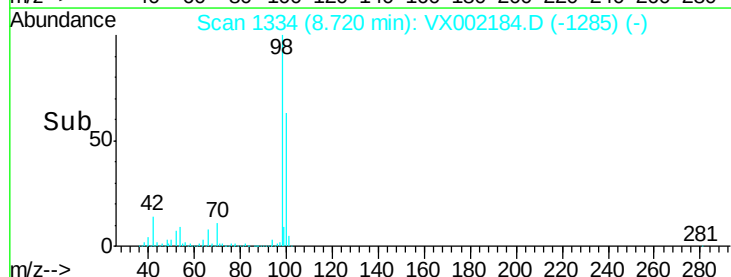
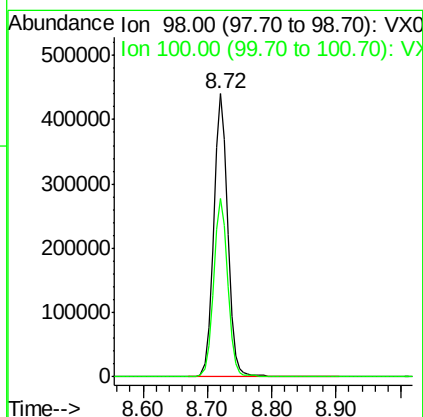
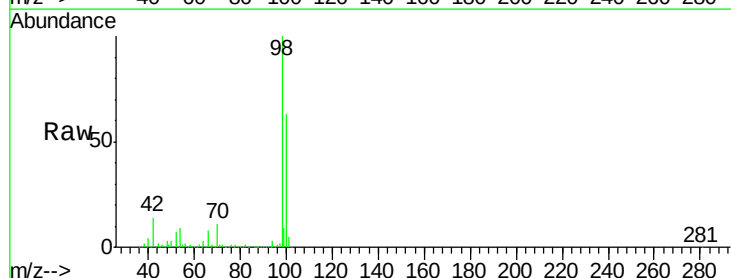
RT: 8.72 min Scan# 1334

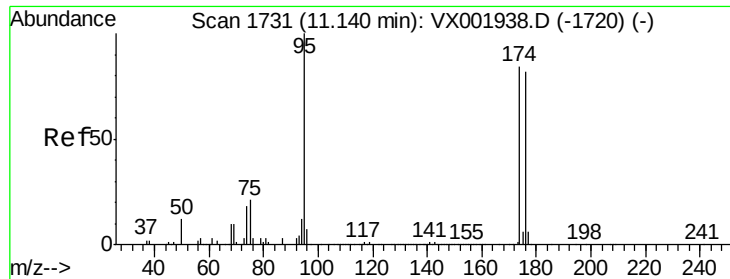
Delta R.T. 0.00 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Tgt Ion:	98	Resp:	680107
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3

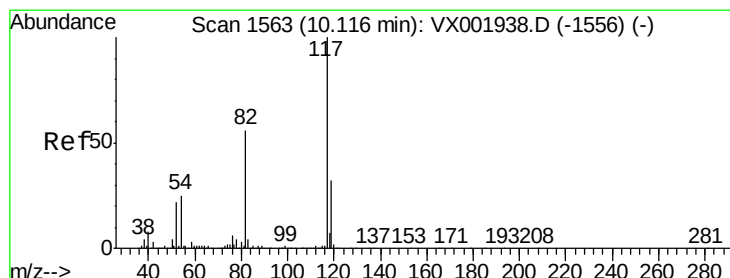
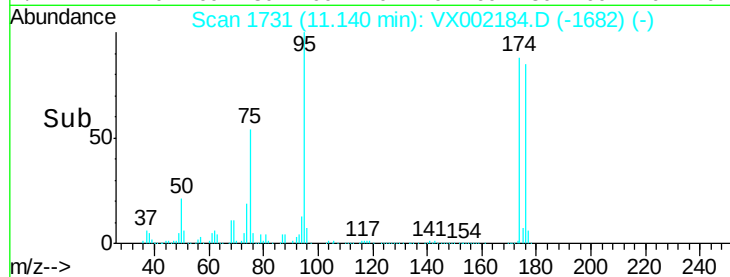
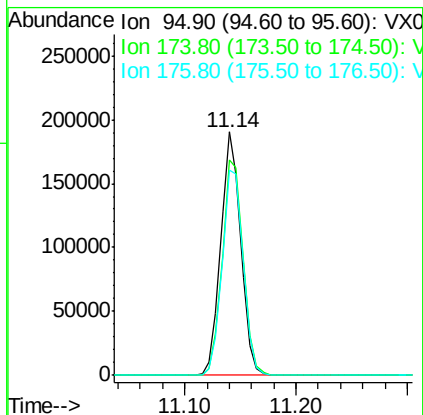
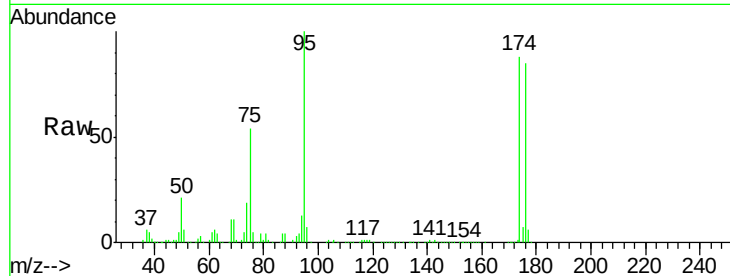




#62
4-Bromofluorobenzene
Concen: 40.58 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

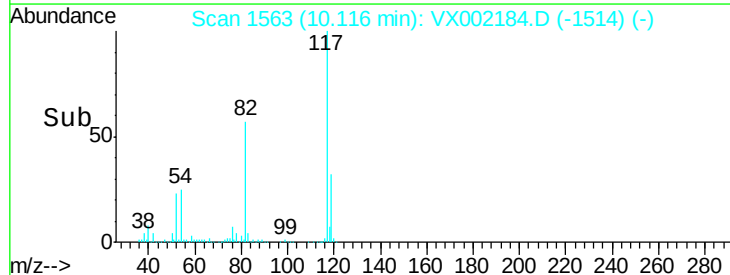
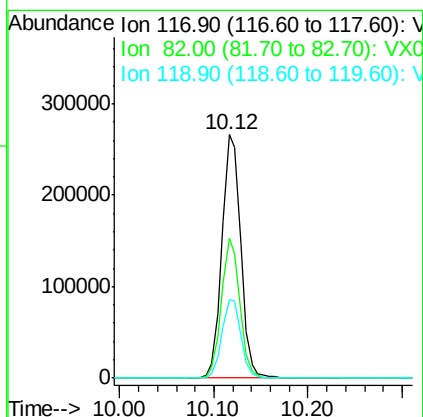
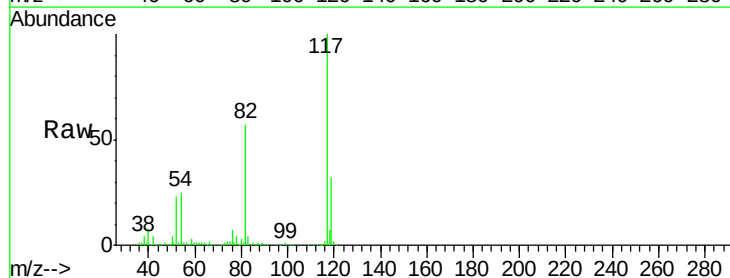
Instrument :
MSVOA_X
ClientSampled :

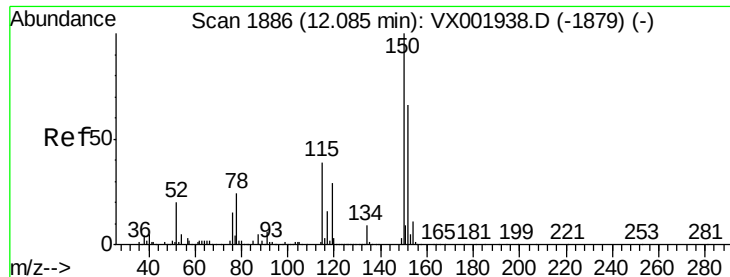
Tot Ion: 95 Resp: 236656
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.8
176 89.0 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

Tgt Ion: 117 Resp: 368954
Ion Ratio Lower Upper
117 100
82 57.4 44.8 67.2
119 32.4 25.5 38.3



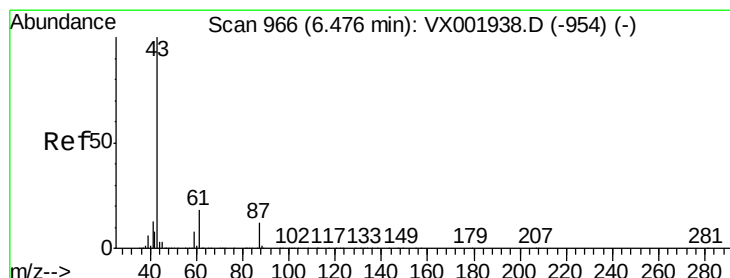
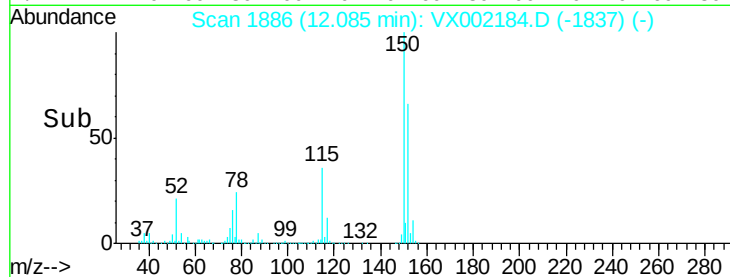
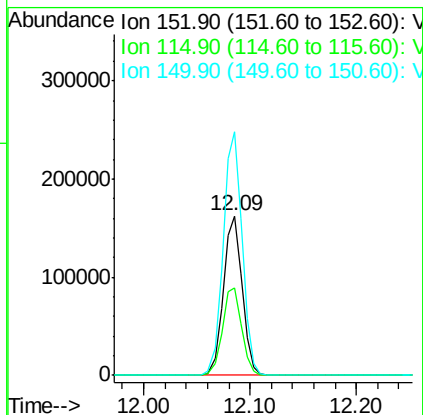
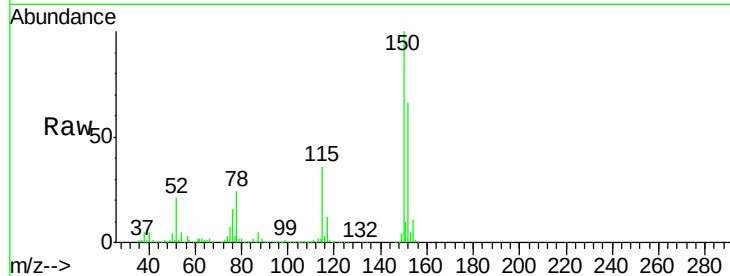


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :

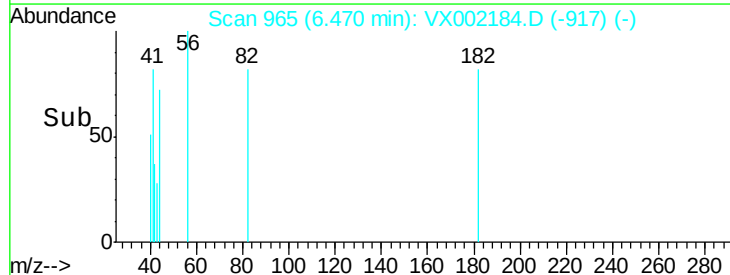
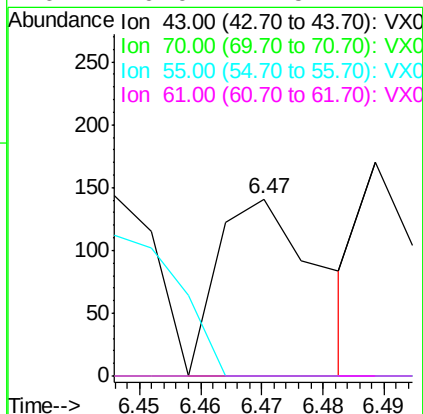
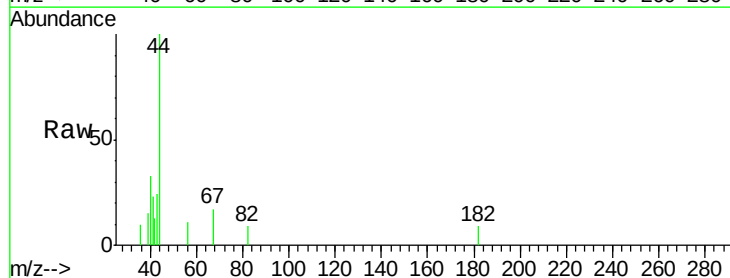
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.9	42.3	126.8
150	153.7	0.0	351.0

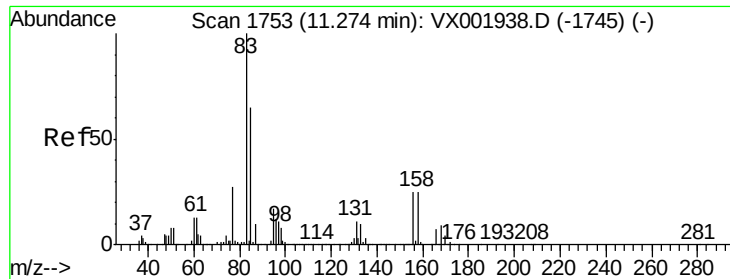


#74

N-ethyl acetate
Concen: Below Cal
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002184.D
Acq: 31 May 2018 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	0.0	0.1	0.1#
61	0.0	14.5	21.7#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.14 min Scan# 1731

Delta R.T. -0.13 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

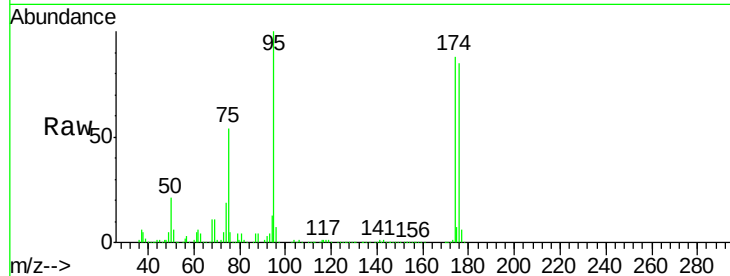
Tot Ion: 83 Resp: 281

Ion Ratio Lower Upper

83 100

131 133.1 5.7 17.0#

85 0.0 32.6 97.7#

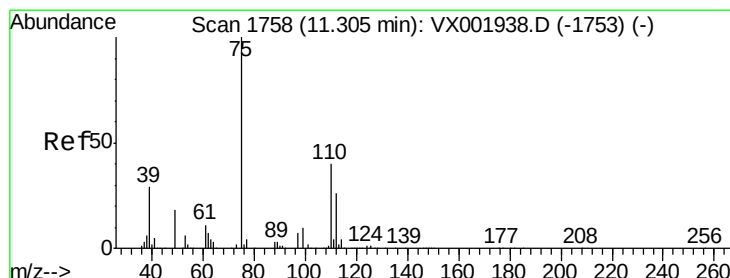
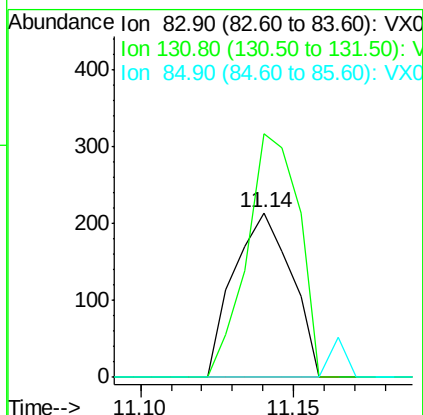
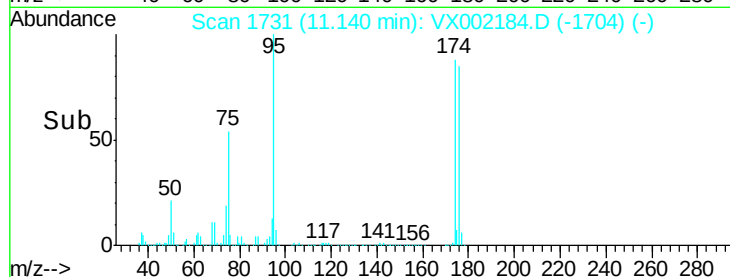


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002184.D

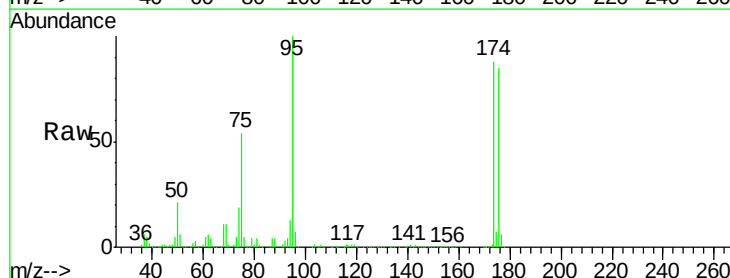
Acq: 31 May 2018 18:20

Tgt Ion: 75 Resp: 128162

Ion Ratio Lower Upper

75 100

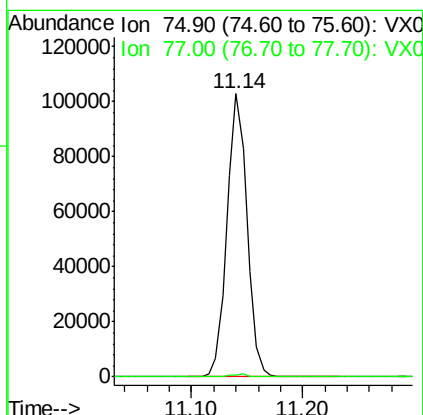
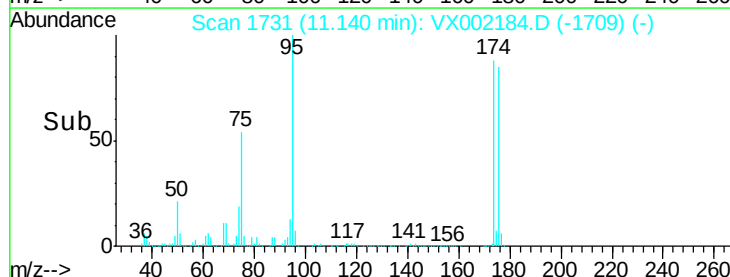
77 1.1 22.8 68.3#

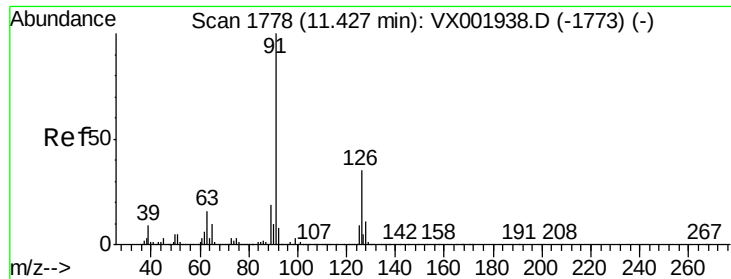


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.52 min Scan# 1793

Delta R.T. 0.09 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Instrument :

MSVOA_X

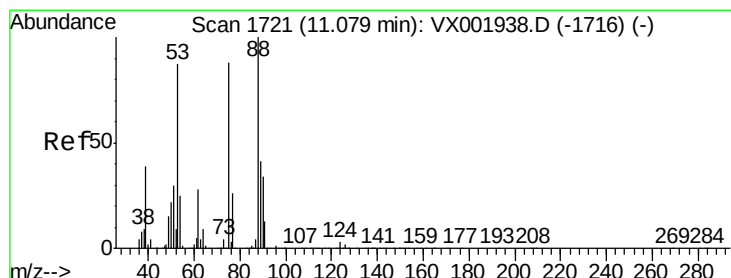
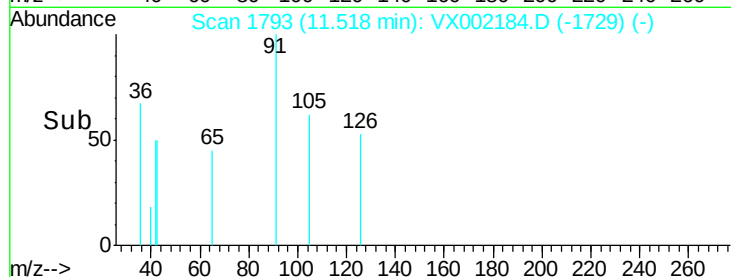
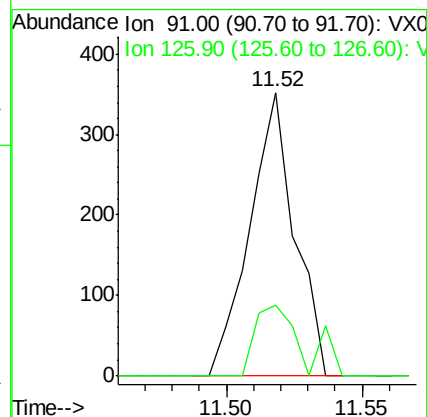
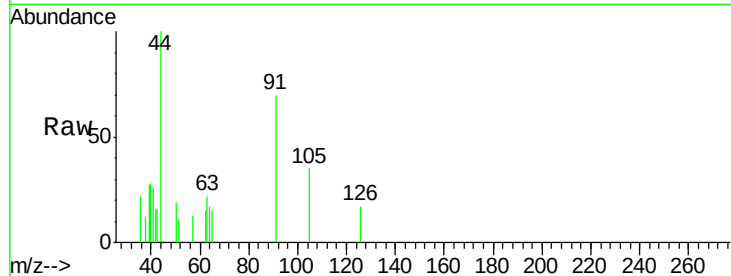
ClientSampleId :

Tot Ion: 91 Resp: 401

Ion Ratio Lower Upper

91 100

126 26.4 17.4 52.2



#81

trans-1,4-Dichloro-2-butene

Concen: 64.01 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002184.D

Acq: 31 May 2018 18:20

Tgt Ion: 75 Resp: 128162

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

