

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060118\
 Data File : VX002216.D
 Acq On : 01 Jun 2018 15:39
 Operator : JC/MD
 Sample : VX0601WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 02 03:17:49 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	244266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	356910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	181980	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	236676	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	5.51	113	172894	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	8.72	98	694871	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	11.14	95	241738	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	

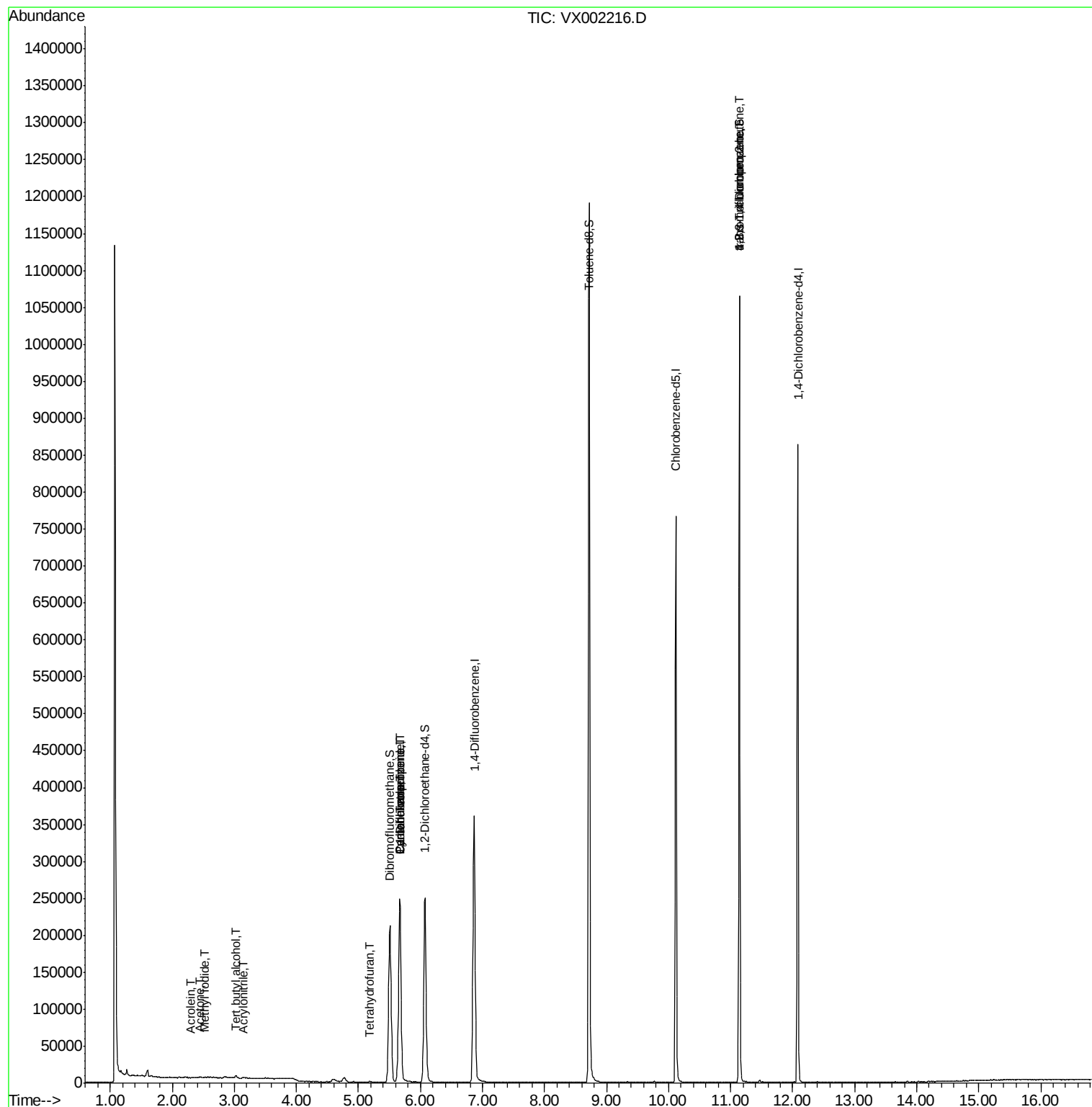
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	123	Below Cal	#	2
10) Methyl Iodide	2.53	142	1053	0.26	ug/l #	91
11) Tert butyl alcohol	3.02	59	2548	2.97	ug/l #	80
13) Acrolein	2.29	56	111	0.30	ug/l #	72
15) Acrylonitrile	3.14	53	406	0.23	ug/l #	75
16) Acetone	2.45	43	919	0.55	ug/l #	67
18) Methyl Acetate	2.79	43	385	Below Cal	#	55
20) Methylene Chloride	2.86	84	622	Below Cal		97
21) trans-1,2-Dichloroethene	3.17	96	201	Below Cal	#	49
28) Bromochloromethane	5.06	49	20	Below Cal	#	14
29) Tetrahydrofuran	5.17	42	1071	0.53	ug/l #	63
31) Cyclohexane	5.66	56	5766	0.96	ug/l #	28
36) 1,1-Dichloropropene	5.67	75	17493	3.52	ug/l #	53
38) Carbon Tetrachloride	5.67	117	22738	3.93	ug/l #	15
41) Methacrylonitrile	5.09	41	126	Below Cal	#	1
74) N-amyl acetate	6.49	43	13	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.35	83	21	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	132580	30.33	ug/l #	32
79) 2-Chlorotoluene	11.42	91	158	Below Cal	#	64
81) trans-1,4-Dichloro-2-buten	11.14	75	132580	72.90	ug/l #	10

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

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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# 833

Delta R.T. -0.01 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Instrument :

MSVOA_X

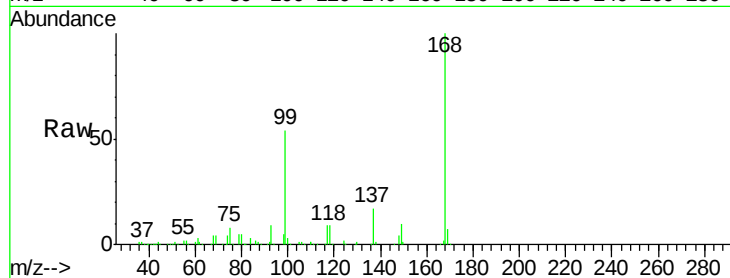
ClientSampleId :

Tot Ion:168 Resp: 244266

Ion Ratio Lower Upper

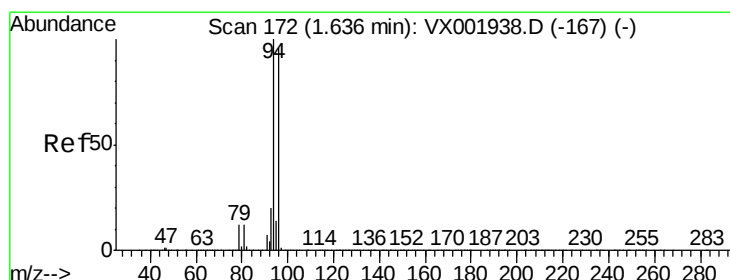
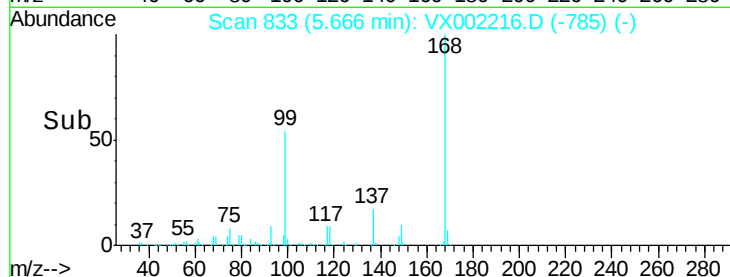
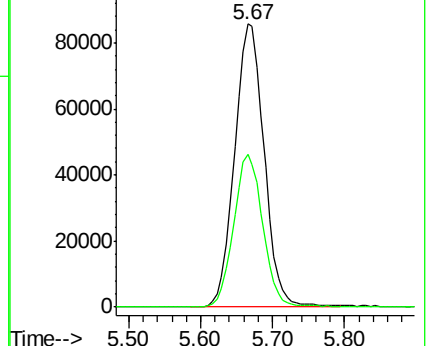
168 100

99 54.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX002216.D

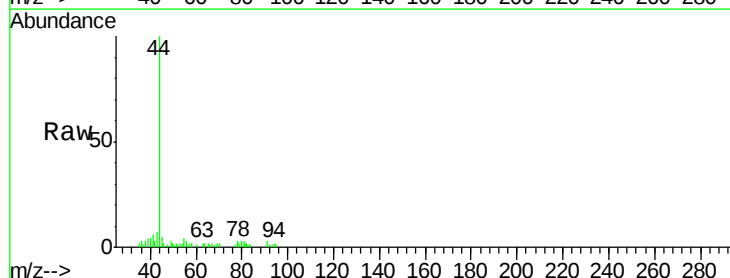
Acq: 01 Jun 2018 15:39

Tgt Ion: 94 Resp: 123

Ion Ratio Lower Upper

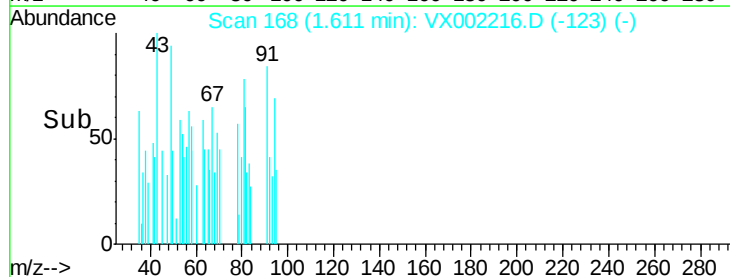
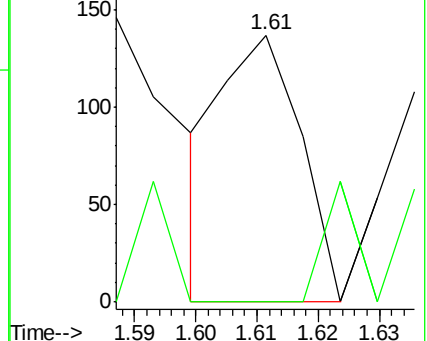
94 100

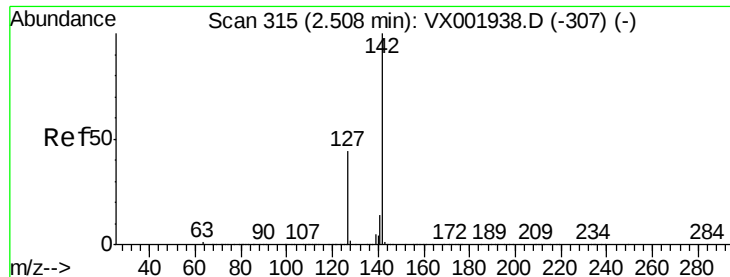
96 0.0 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

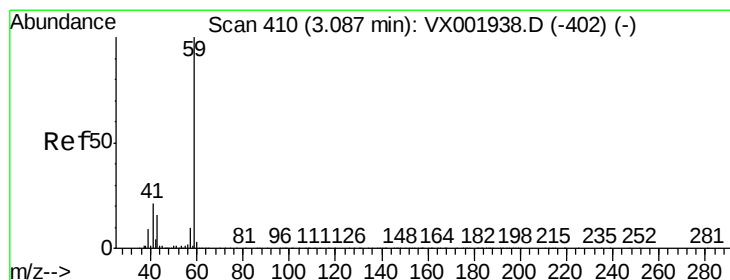
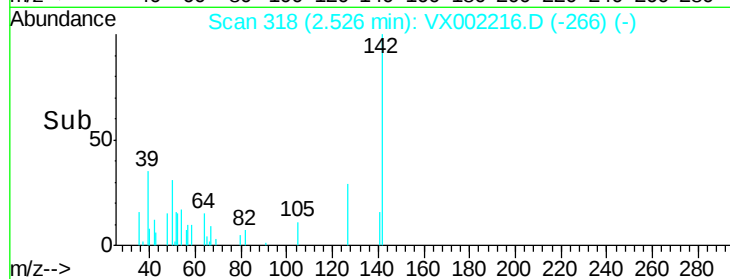
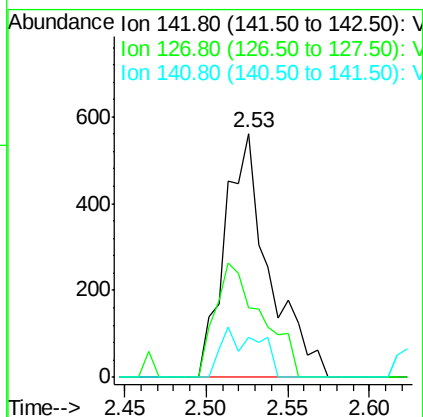
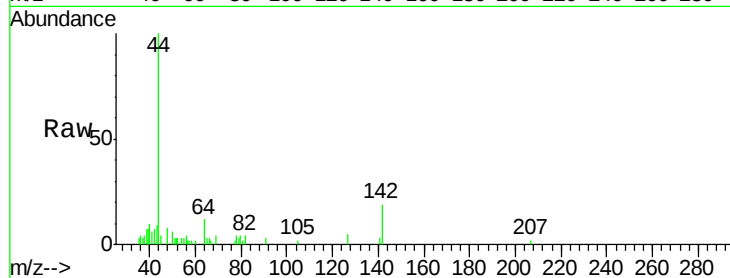




#10
Methvl Iodide
Concen: 0.26 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

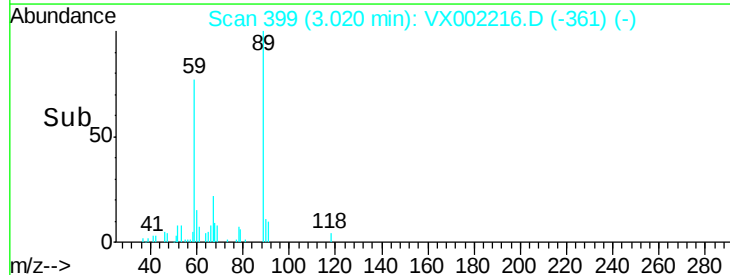
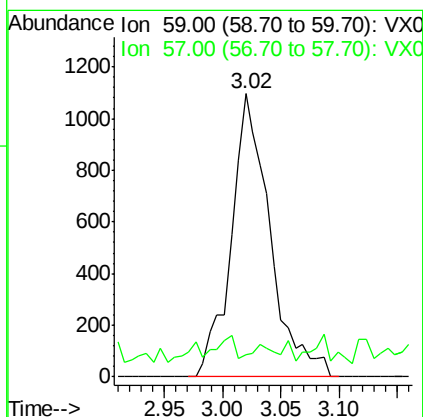
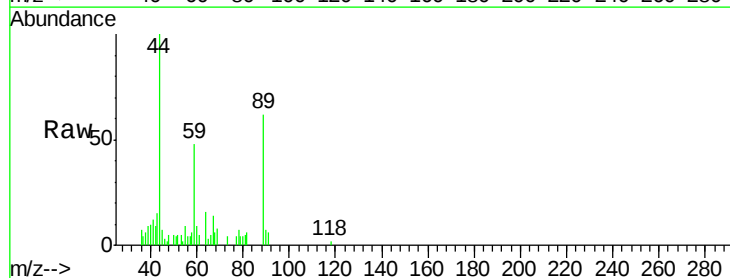
Instrument :
MSVOA_X
ClientSampleId :

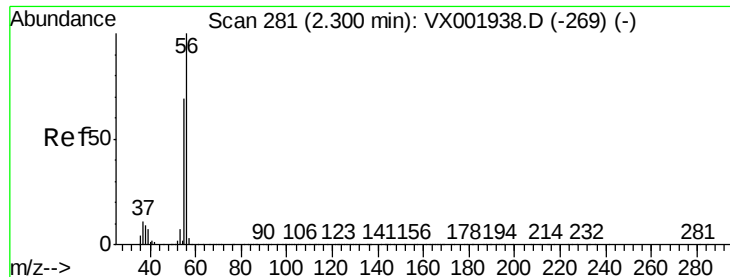
Tot Ion:142 Resp: 1053
Ion Ratio Lower Upper
142 100
127 49.7 35.5 53.3
141 8.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.97 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.07 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

Tgt Ion: 59 Resp: 2548
Ion Ratio Lower Upper
59 100
57 3.5 8.9 13.3#

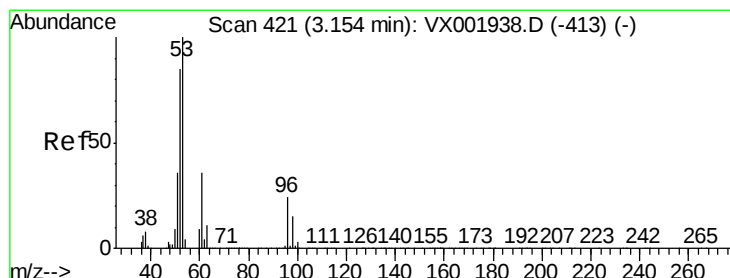
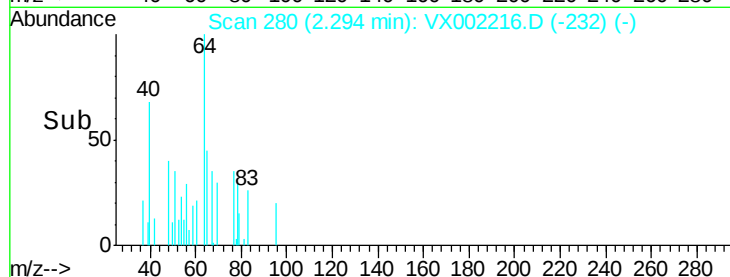
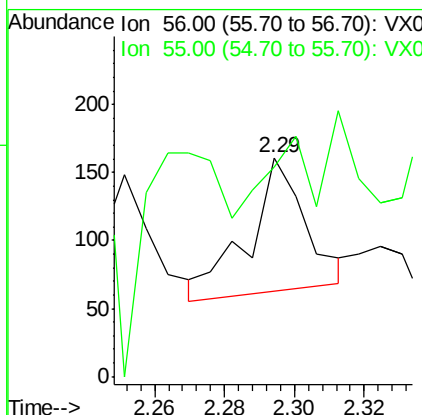
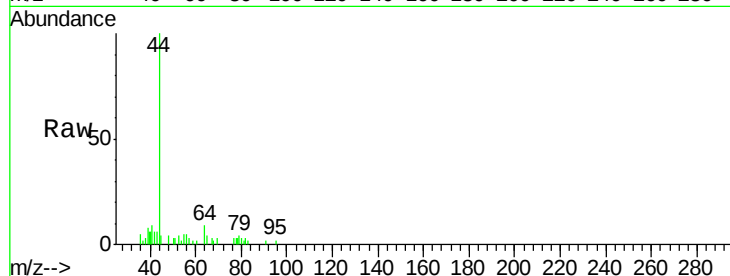




#13
Acrolein
Concen: 0.30 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.01 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

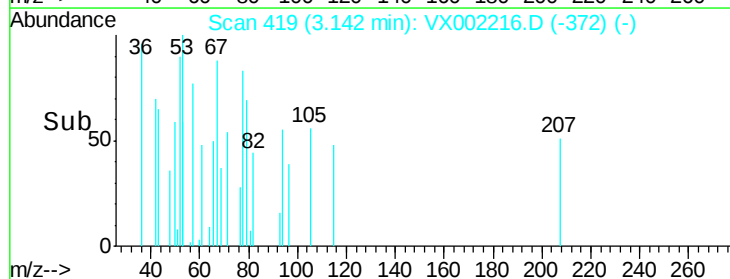
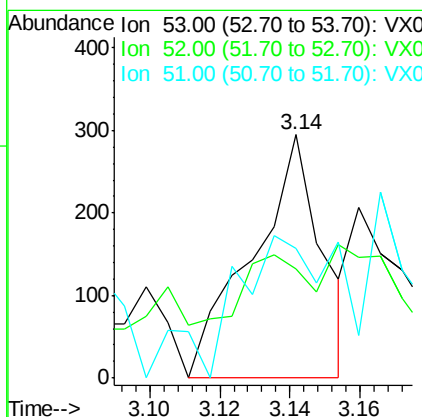
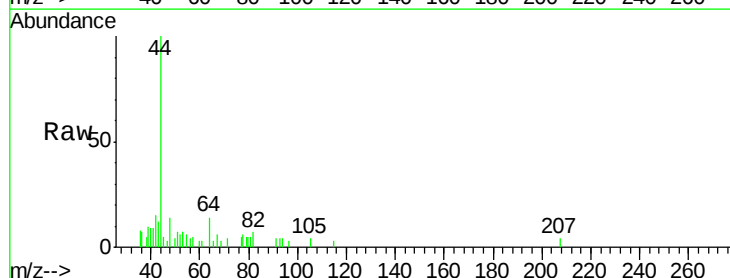
Instrument :
MSVOA_X
ClientSampled :

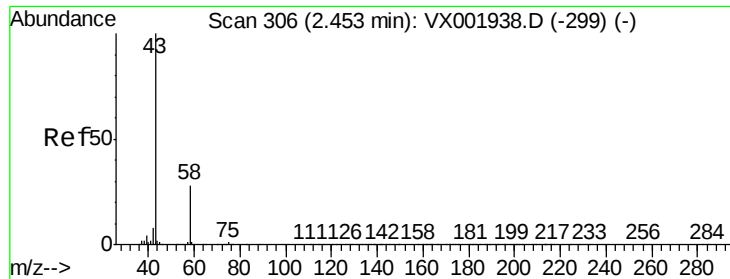
Tot Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 47.7 56.8 85.2#



#15
Acrylonitrile
Concen: 0.23 ug/l
RT: 3.14 min Scan# 419
Delta R.T. -0.01 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

Tgt Ion: 53 Resp: 406
Ion Ratio Lower Upper
53 100
52 53.9 66.4 99.6#
51 31.5 29.3 43.9

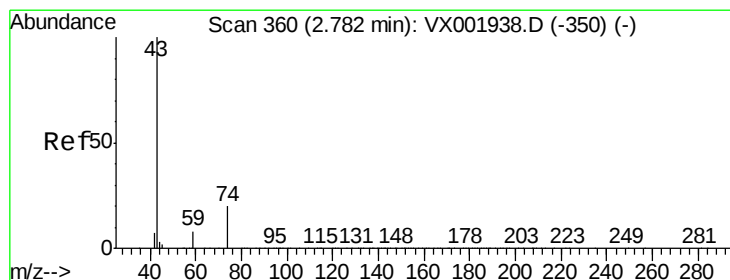
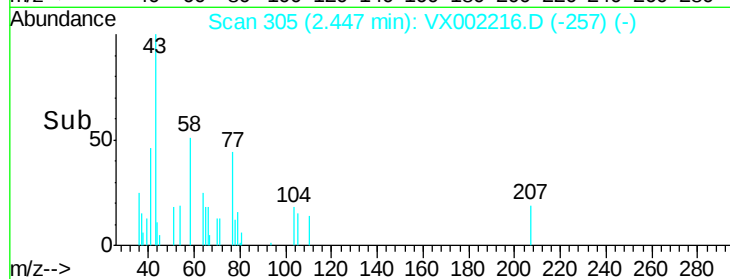
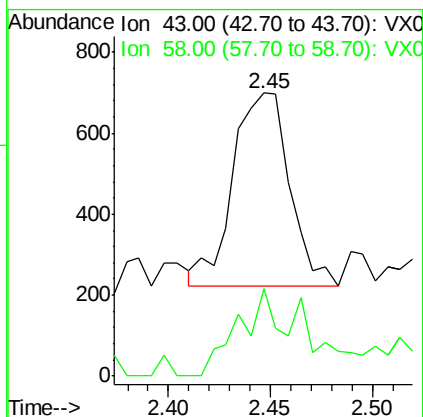
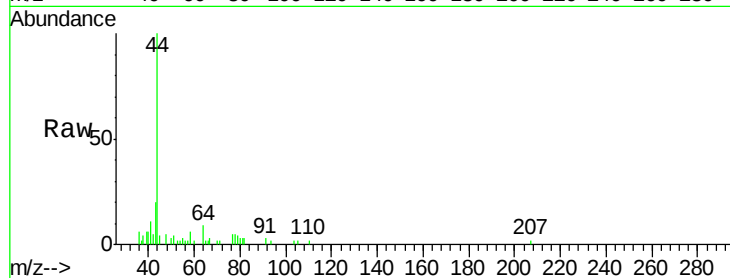




#16
Acetone
Concen: 0.55 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

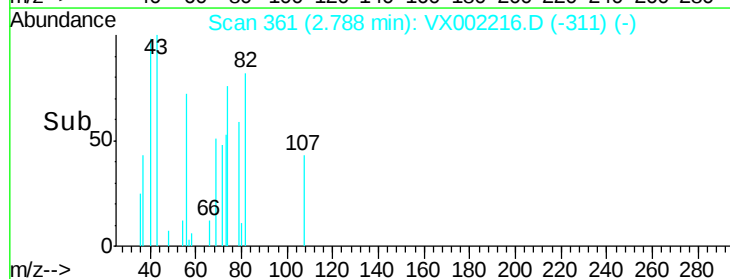
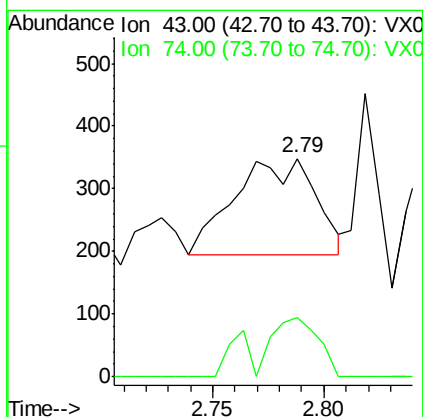
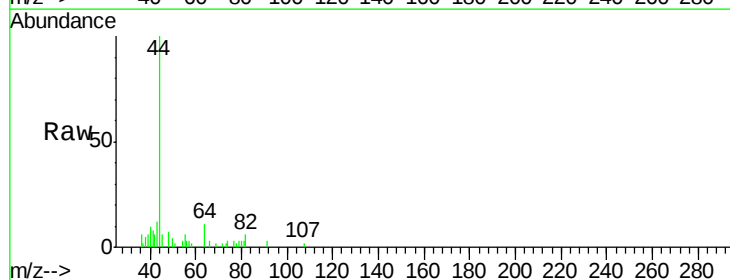
Instrument :
MSVOA_X
ClientSampleId :

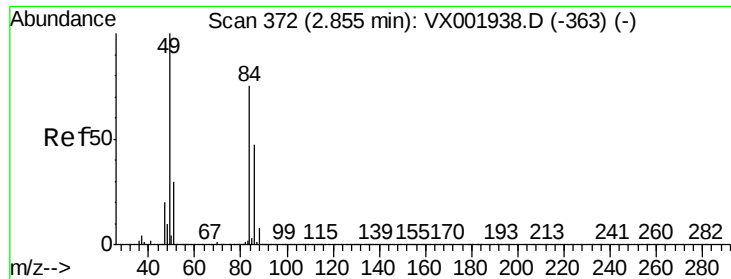
Tot Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
58 45.4 22.3 33.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
74 0.0 16.8 25.2#

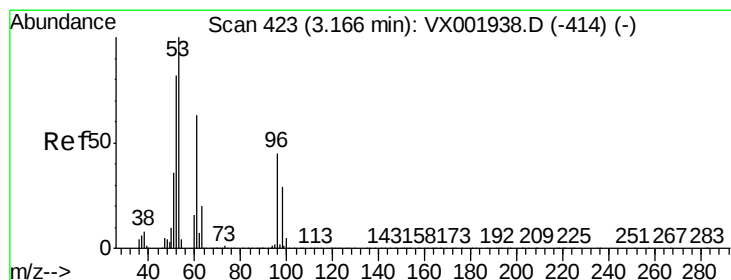
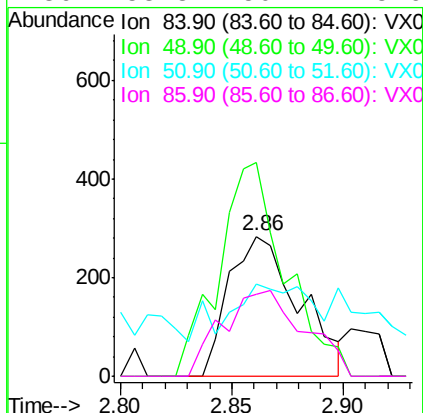
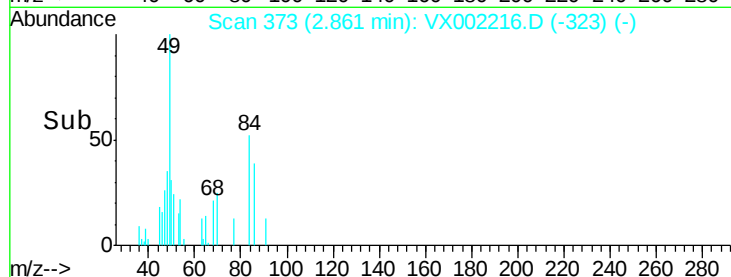
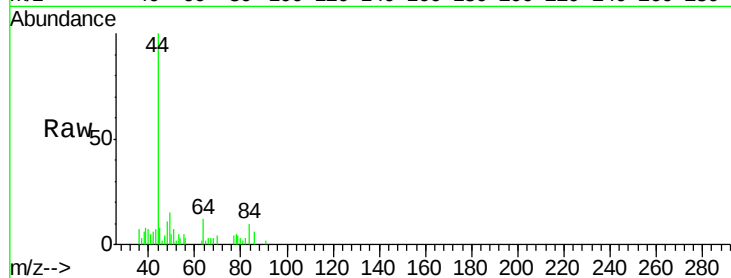




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

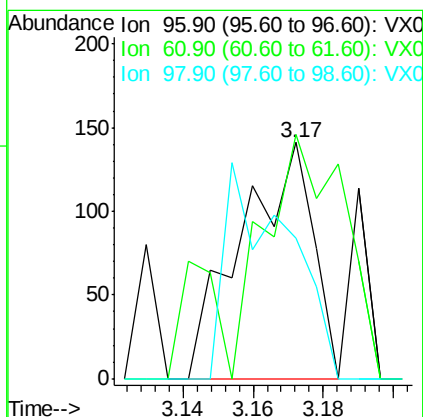
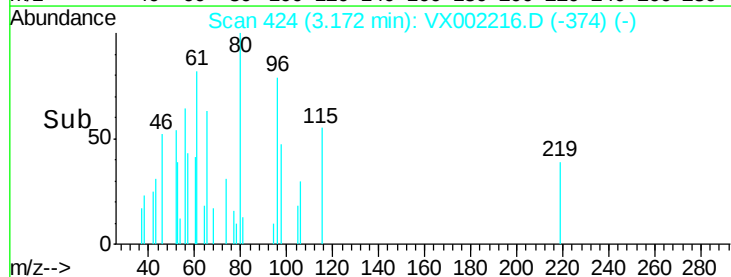
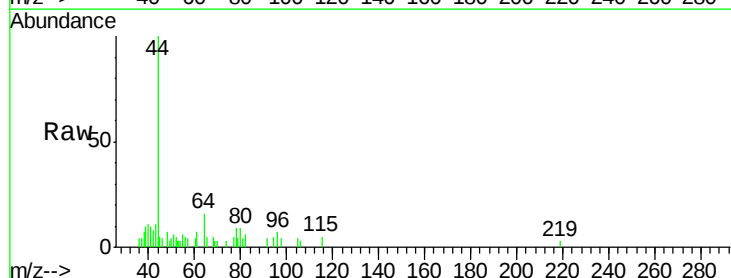
Instrument :
MSVOA_X
ClientSampled :

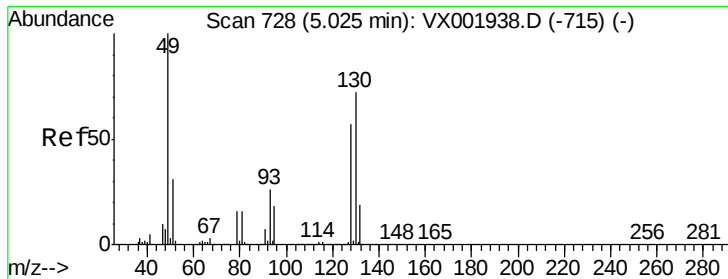
Tot Ion:	84	Resp:	622
Ion	Ratio	Lower	Upper
84	100		
49	131.7	107.2	160.8
51	40.8	32.4	48.6
86	58.8	50.4	75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

Tgt Ion:	96	Resp:	201
Ion	Ratio	Lower	Upper
96	100		
61	53.9	113.3	169.9#
98	59.6	51.7	77.5





#28

Bromochloromethane

Concen: Below Cal

RT: 5.06 min Scan# 733

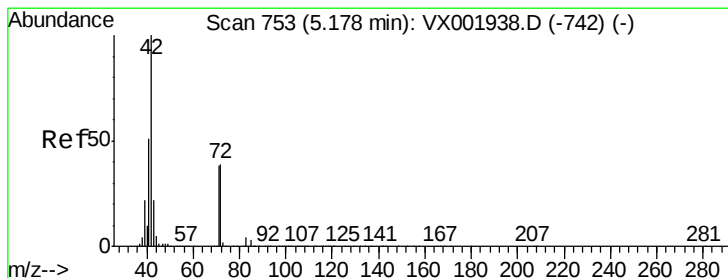
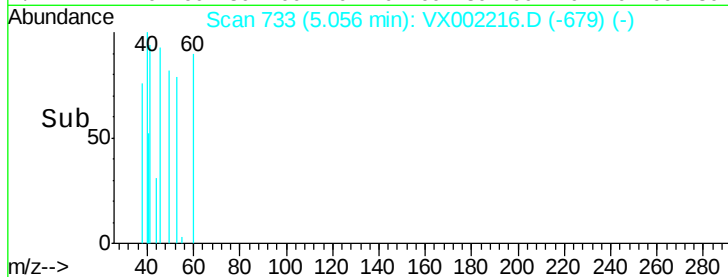
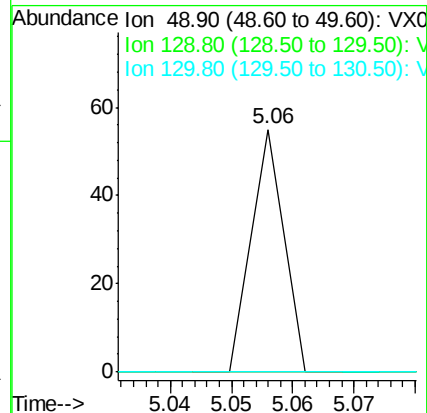
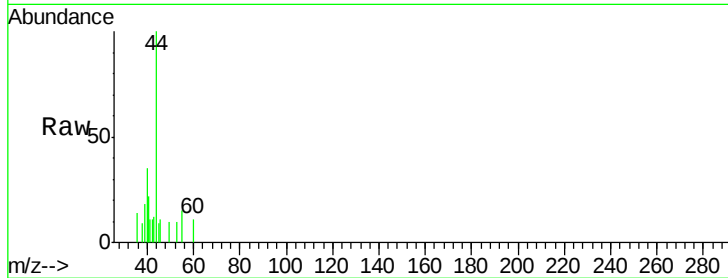
Delta R.T. 0.03 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2



#29

Tetrahydrofuran

Concen: 0.53 ug/l

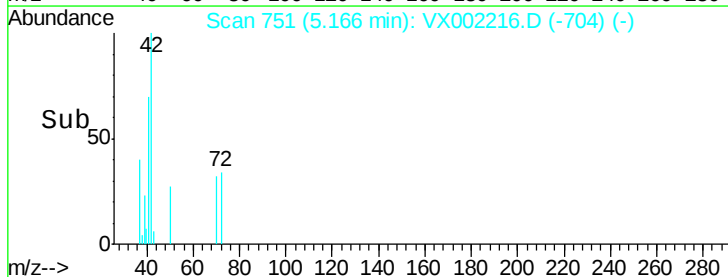
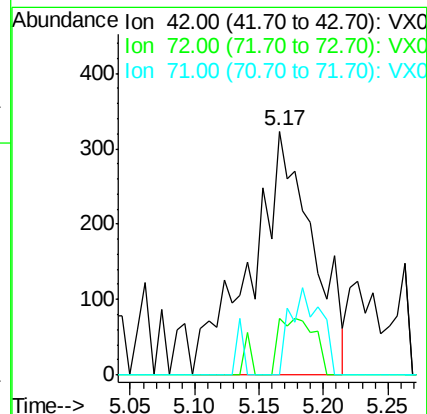
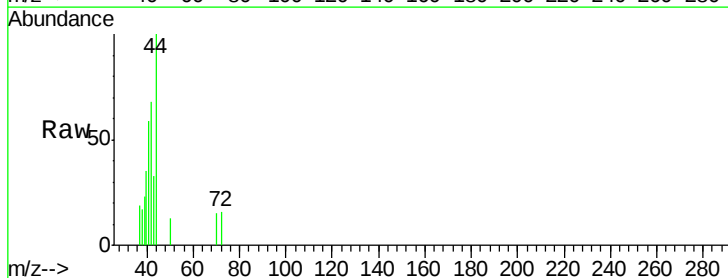
RT: 5.17 min Scan# 751

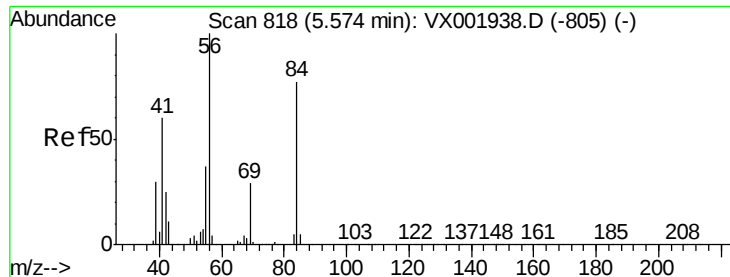
Delta R.T. -0.01 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
42	100		
72	13.6	31.4	47.0
71	17.6	29.5	44.3

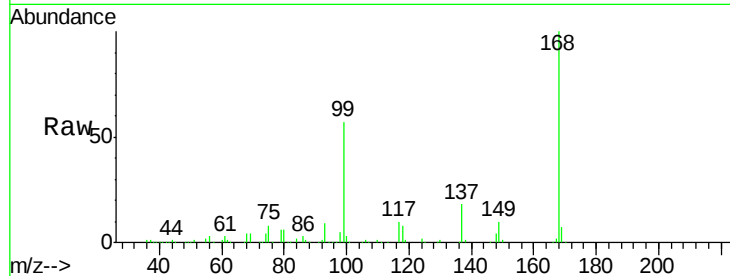




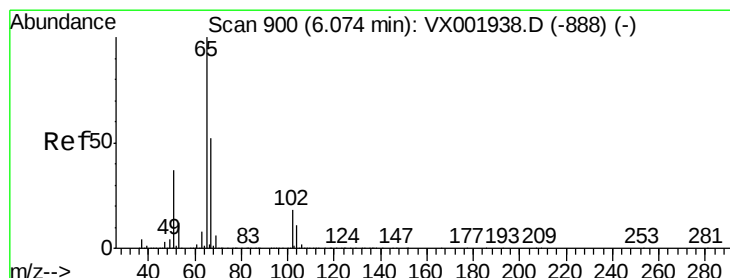
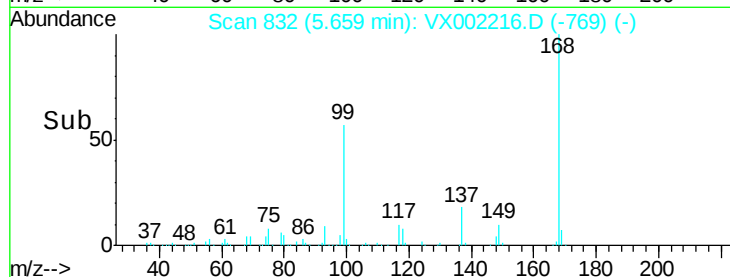
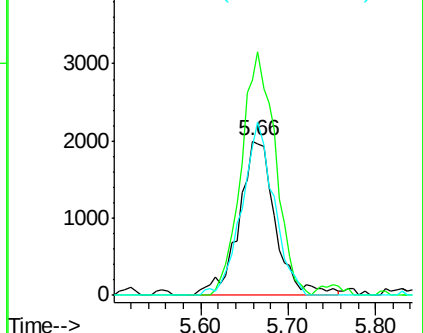
#31
Cyclohexane
Concen: 0.96 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 5766
Ion Ratio Lower Upper
56 100
69 139.2 23.1 34.7#
84 96.2 62.0 93.0#

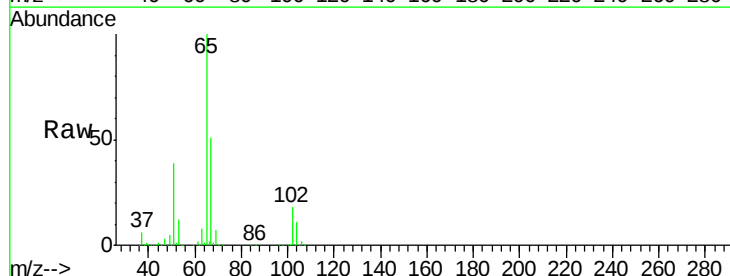


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

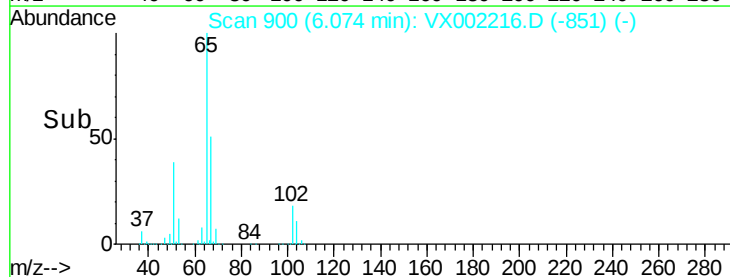
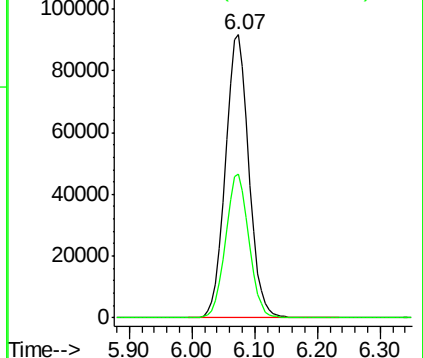


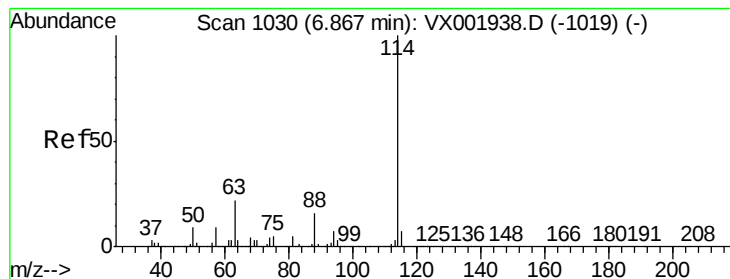
#33
1,2-Dichloroethane-d4
Concen: 54.21 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.00 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

Tgt Ion: 65 Resp: 236676
Ion Ratio Lower Upper
65 100
67 50.9 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: VX002216.D

Acq: 01 Jun 2018 15:39

Instrument :
MSVOA_X
ClientSampleId :

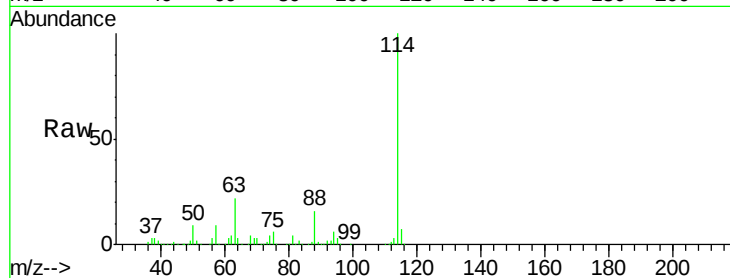
Tot Ion:114 Resp: 356910

Ion Ratio Lower Upper

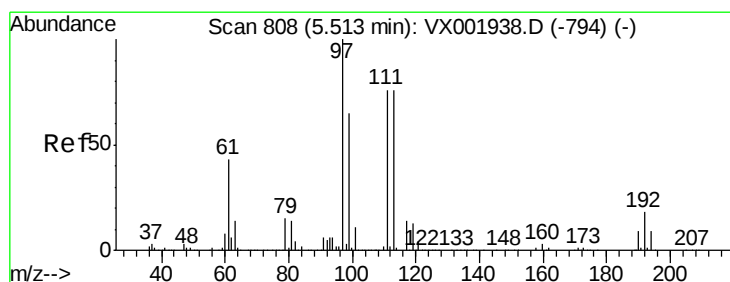
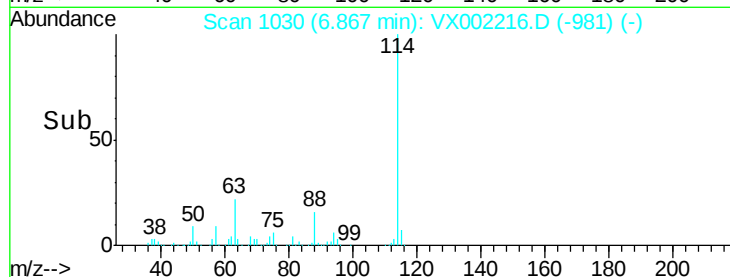
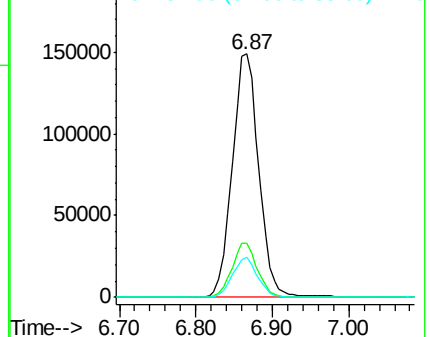
114 100

63 22.2 0.0 43.2

88 16.2 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: 48.44 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

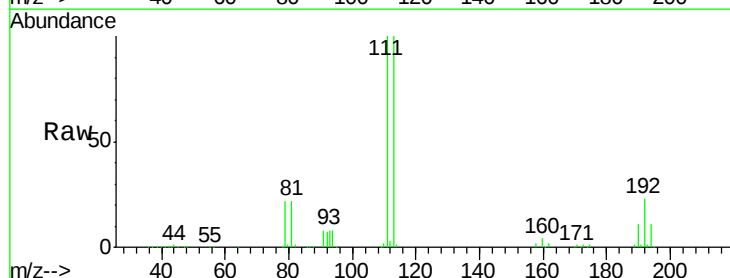
Tgt Ion:113 Resp: 172894

Ion Ratio Lower Upper

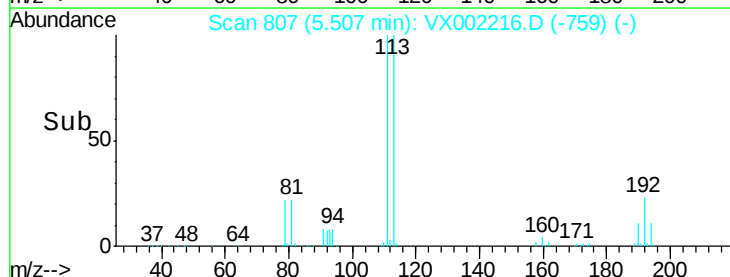
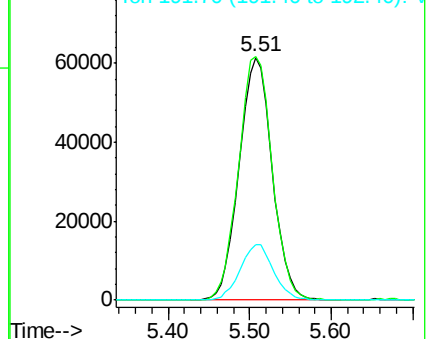
113 100

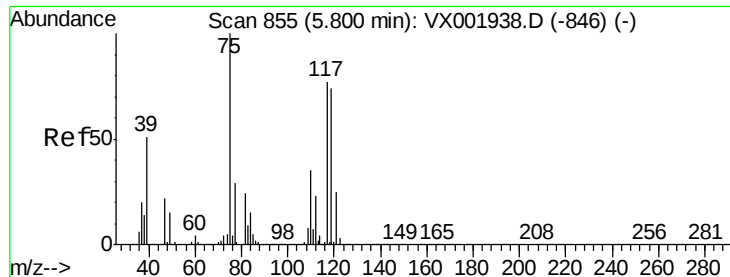
111 102.5 82.0 123.0

192 22.9 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

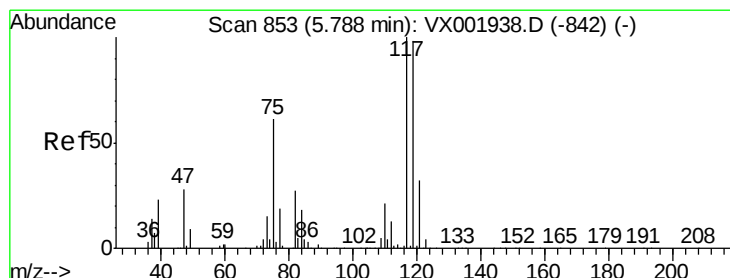
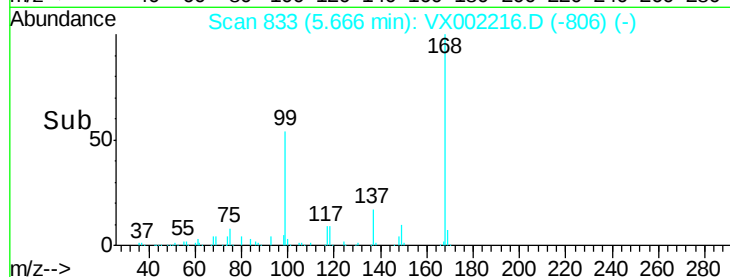
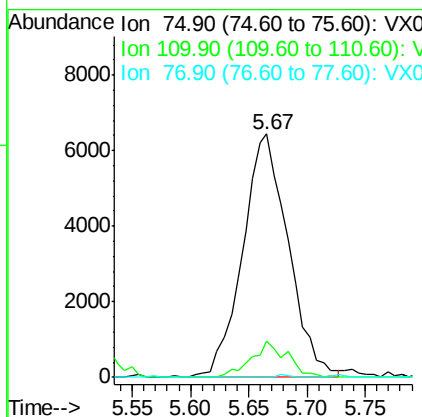
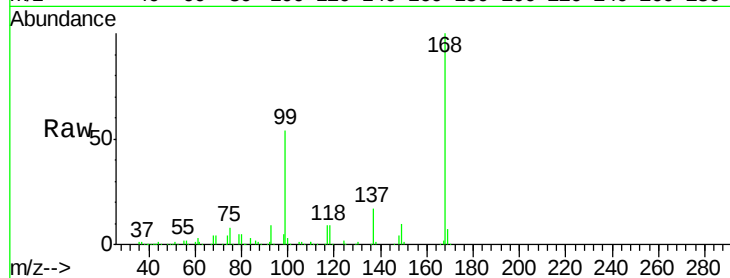




#36
 1,1-Dichloropropene
 Concen: 3.52 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002216.D
 Acq: 01 Jun 2018 15:39

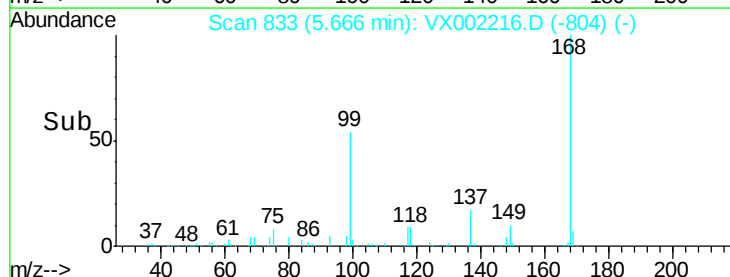
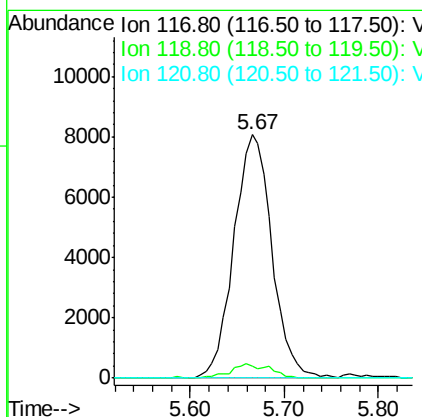
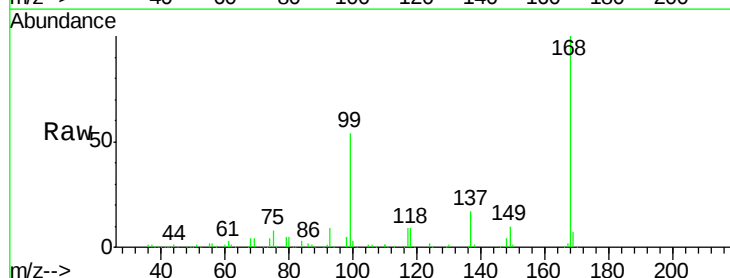
Instrument :
 MSVOA_X
 ClientSampleId :

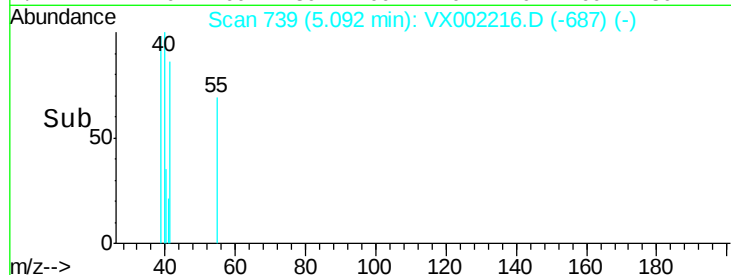
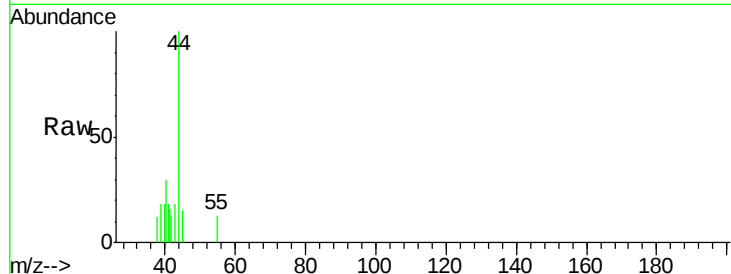
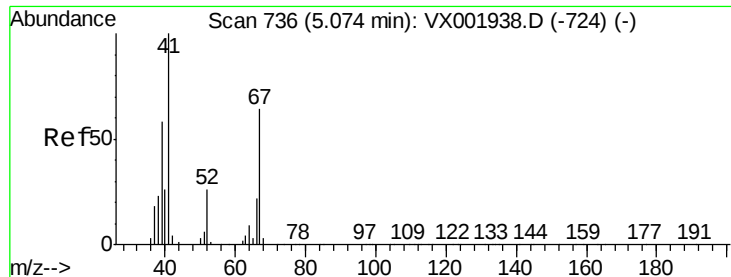
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.4	52.2#
77	0.2	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.93 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002216.D
 Acq: 01 Jun 2018 15:39

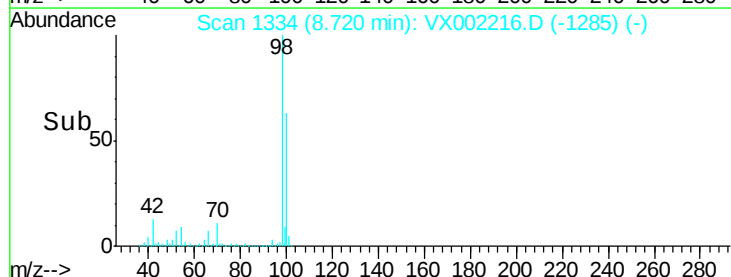
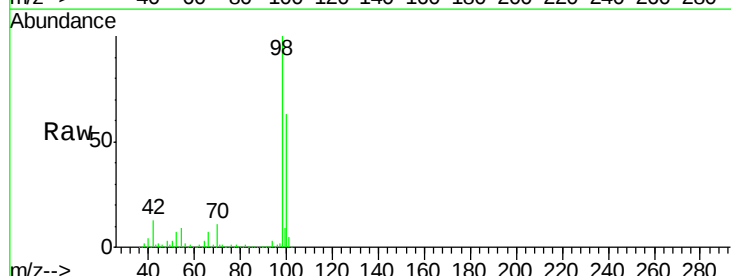
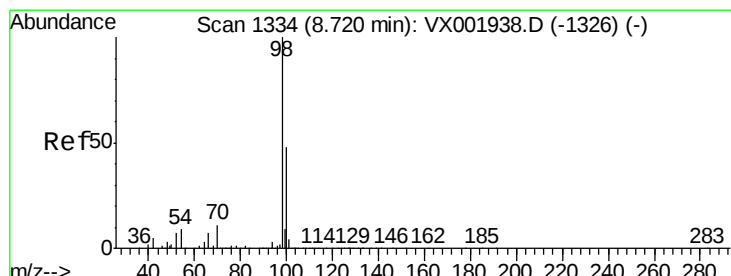
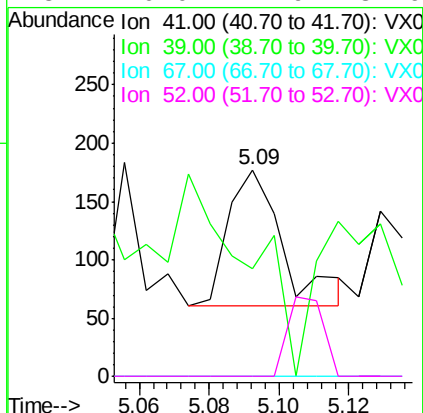
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.5	117.7#
121	0.0	25.5	38.3#





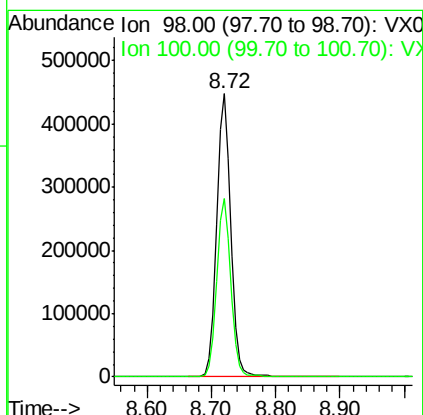
#41
Methacrylonitrile
Concen: Below Cal
RT: 5.09 min Scan# 739
Delta R.T. 0.02 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

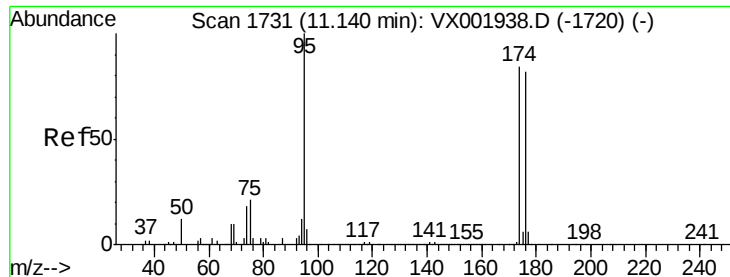
Tot Ion:	41	Resp:	126
Ion	Ratio	Lower	Upper
41	100		
39	181.0	46.0	69.0#
67	0.0	50.6	75.8#
52	0.0	21.9	32.9#



#50
Toluene-d8
Concen: 53.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002216.D
Acq: 01 Jun 2018 15:39

Tgt Ion:	98	Resp:	694871
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3





#62

4-Bromofluorobenzene

Concen: 47.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

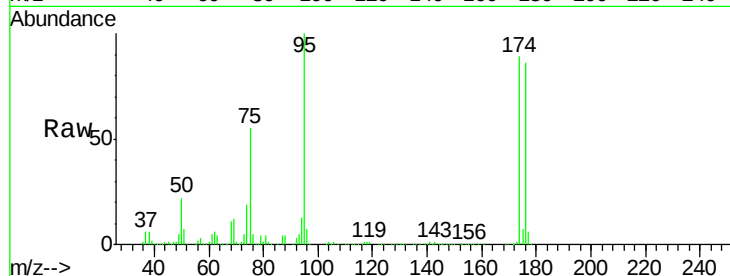
Tot Ion: 95 Resp: 241738

Ion Ratio Lower Upper

95 100

174 92.4 0.0 178.8

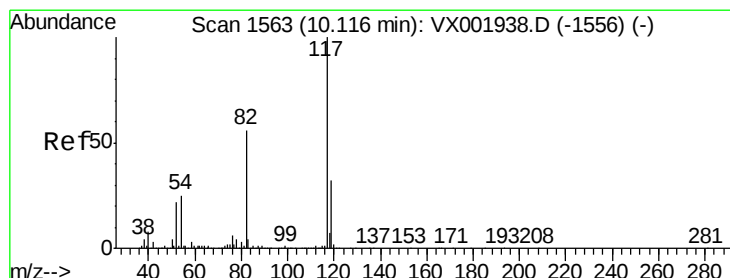
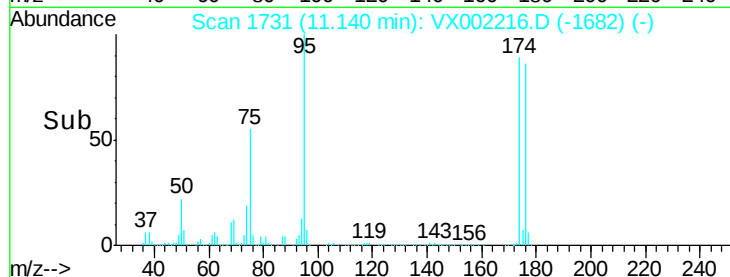
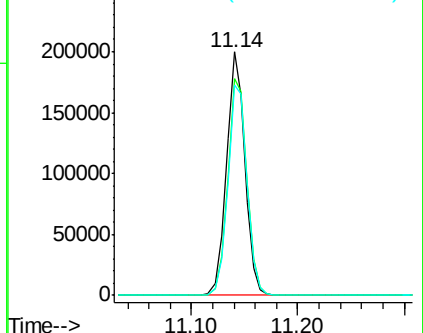
176 90.1 0.0 175.6



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: VX002216.D

Acq: 01 Jun 2018 15:39

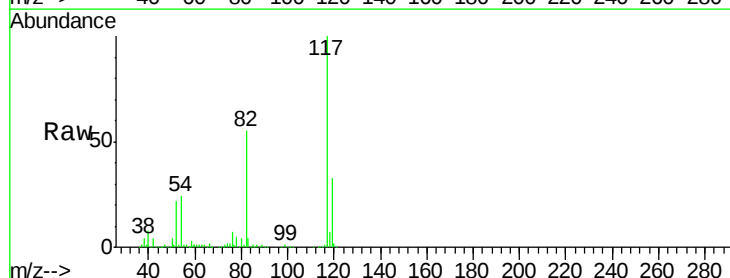
Tgt Ion: 117 Resp: 325639

Ion Ratio Lower Upper

117 100

82 55.2 44.8 67.2

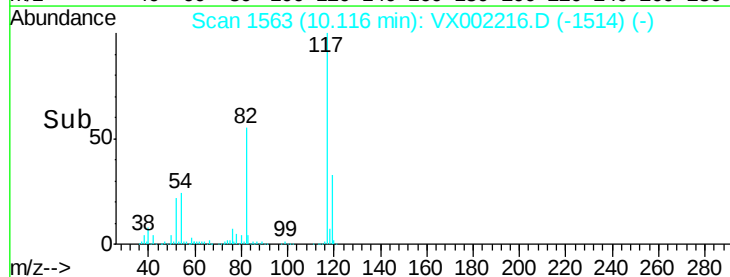
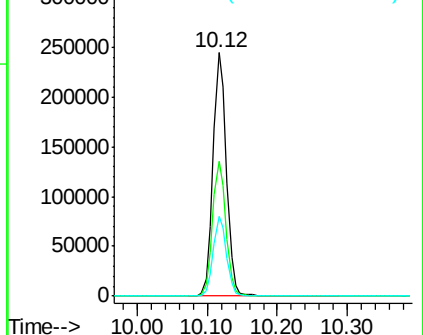
119 32.8 25.5 38.3

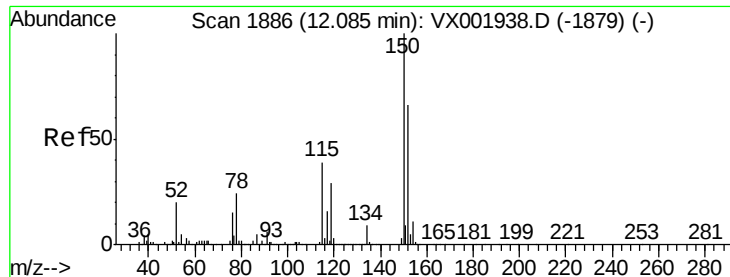


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX002216.D

Acq: 01 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

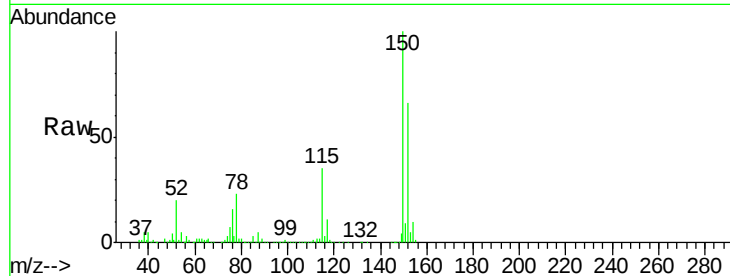
Tot Ion:152 Resp: 181980

Ion Ratio Lower Upper

152 100

115 55.5 42.3 126.8

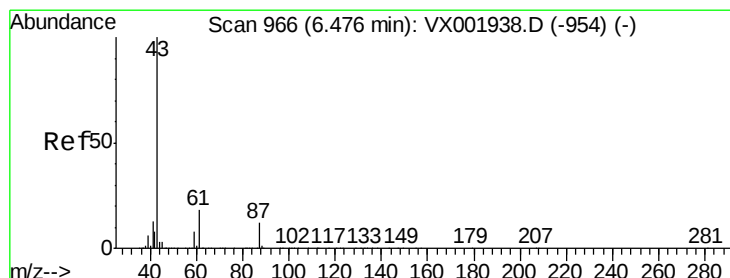
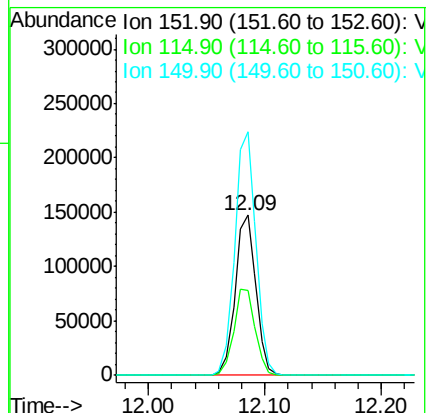
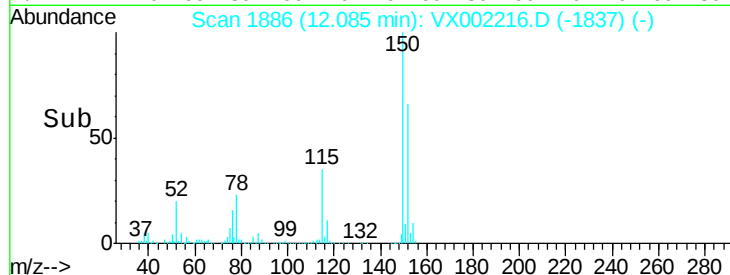
150 155.3 0.0 351.0



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-ethyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Tgt Ion: 43 Resp: 13

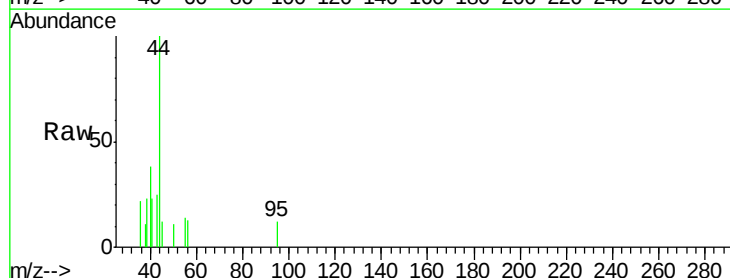
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 407.7 0.1 0.1#

61 0.0 14.5 21.7#

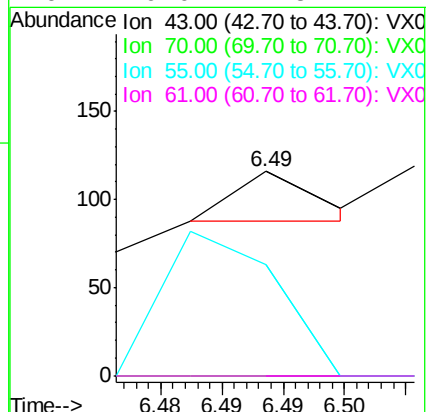
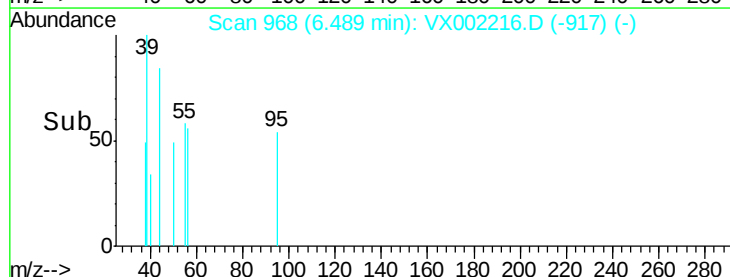


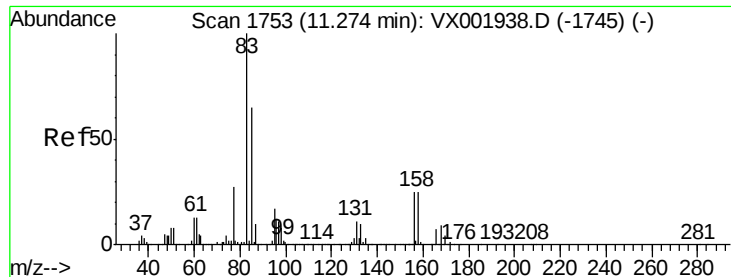
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.35 min Scan# 1765

Delta R.T. 0.07 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Instrument :

MSVOA_X

ClientSampleId :

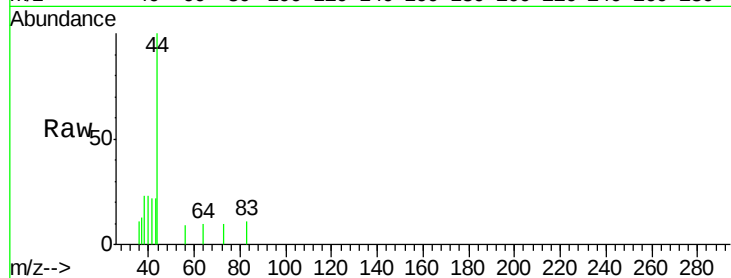
Tot Ion: 83 Resp: 21

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

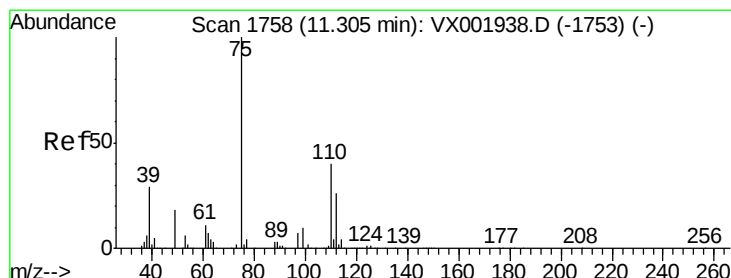
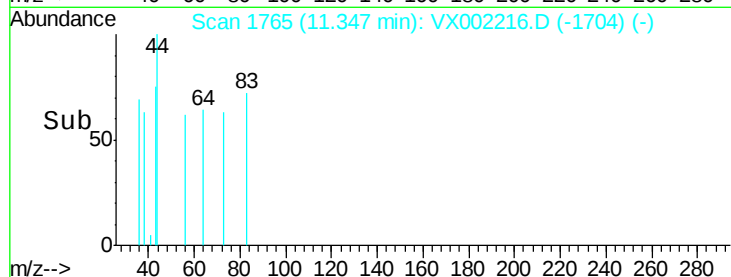
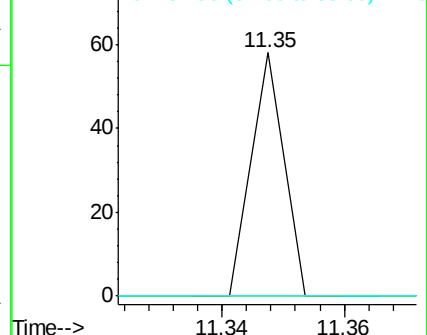
85 0.0 32.6 97.7#



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



#76

1,2,3-Trichloropropane

Concen: 30.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002216.D

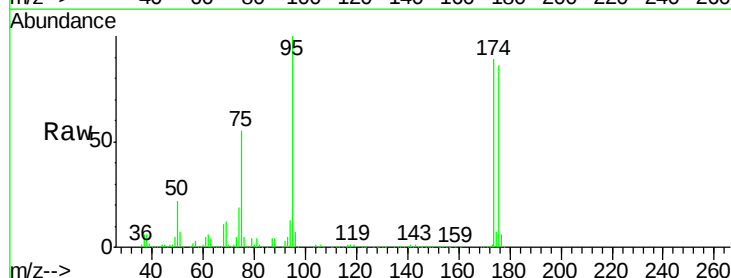
Acq: 01 Jun 2018 15:39

Tgt Ion: 75 Resp: 132580

Ion Ratio Lower Upper

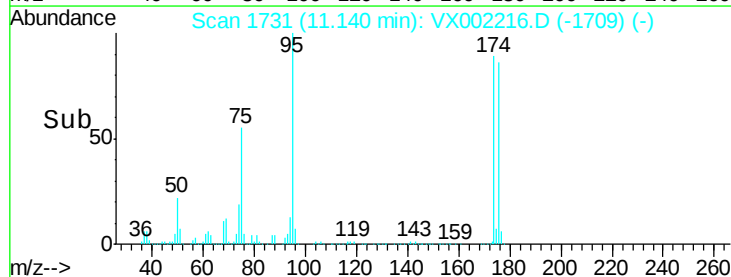
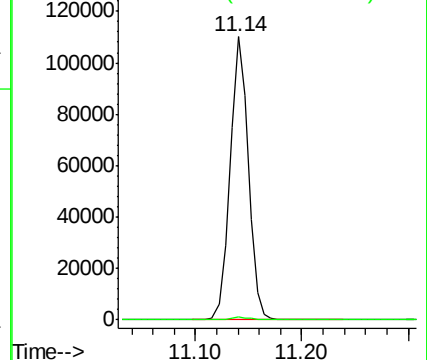
75 100

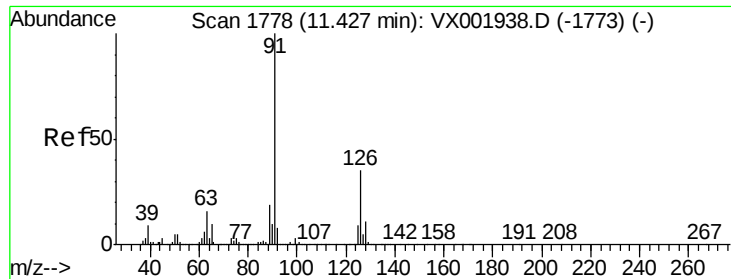
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Instrument :

MSVOA_X

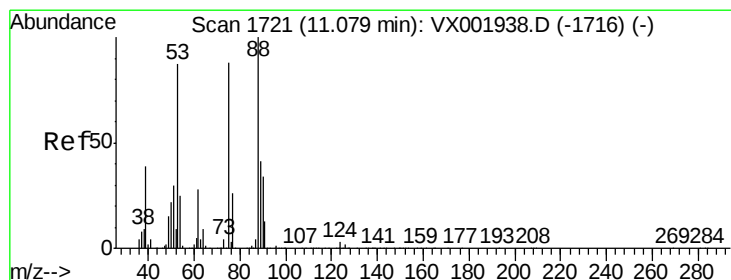
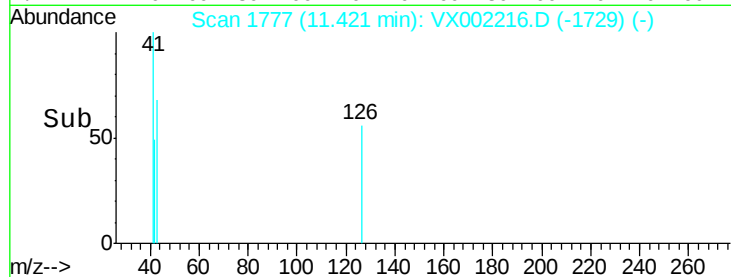
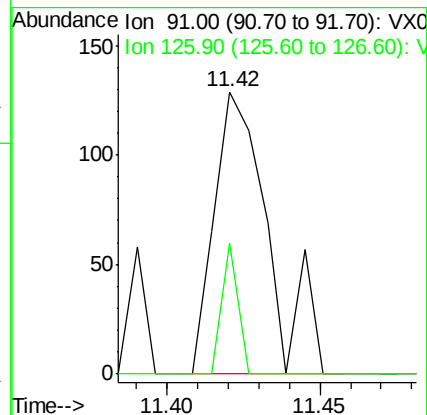
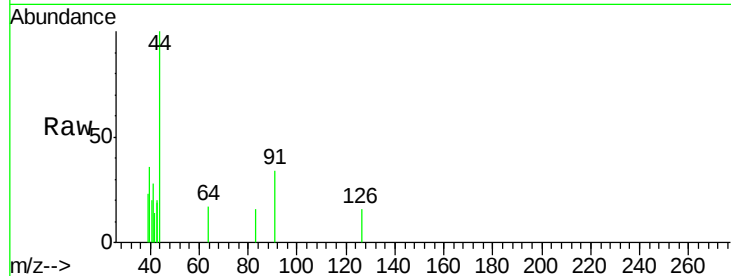
ClientSampleId :

Tot Ion: 91 Resp: 158

Ion Ratio Lower Upper

91 100

126 13.9 17.4 52.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002216.D

Acq: 01 Jun 2018 15:39

Tgt Ion: 75 Resp: 132580

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

