

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060118\
 Data File : VX002229.D
 Acq On : 01 Jun 2018 23:03
 Operator : JC/MD
 Sample : J3151-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 02 03:23:42 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	230323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	166584	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	257176	62.47	ug/l	0.00
Spiked Amount			Recovery	=	124.94%	
35) Dibromofluoromethane	5.51	113	186586	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
50) Toluene-d8	8.72	98	730171	59.82	ug/l	0.00
Spiked Amount			Recovery	=	119.64%	
62) 4-Bromofluorobenzene	11.14	95	249929	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	

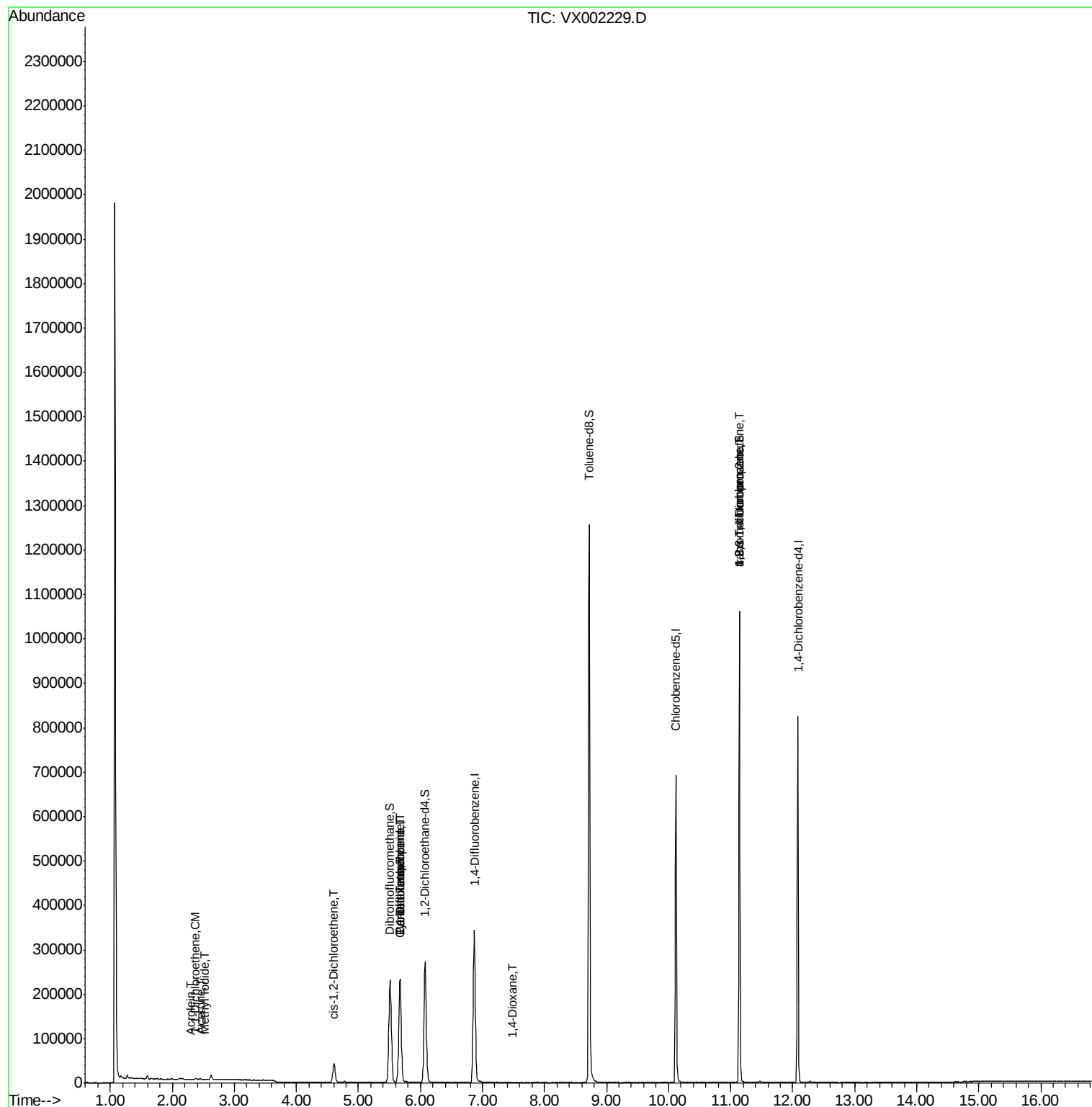
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	89	Below Cal	#	41
5) Bromomethane	1.65	94	1091	Below Cal	#	73
10) Methyl Iodide	2.51	142	1076	0.28	ug/l	99
12) 1,1-Dichloroethene	2.38	96	964	0.36	ug/l	89
13) Acrolein	2.31	56	428	1.22	ug/l	# 42
16) Acetone	2.45	43	1254	0.79	ug/l	93
18) Methyl Acetate	2.79	43	243	Below Cal	#	72
20) Methylene Chloride	2.86	84	387	Below Cal	#	85
21) trans-1,2-Dichloroethene	3.16	96	372	Below Cal	#	76
27) cis-1,2-Dichloroethene	4.60	96	24570	7.02	ug/l	91
28) Bromochloromethane	5.03	49	45	Below Cal	#	14
31) Cyclohexane	5.66	56	5032	0.89	ug/l	# 8
36) 1,1-Dichloropropene	5.67	75	16622	3.54	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	21613	3.95	ug/l	# 15
41) Methacrylonitrile	5.06	41	130	Below Cal	#	25
49) 1,4-Dioxane	7.49	88	19	0.21	ug/l	# 21
74) N-amyl acetate	6.47	43	79	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.15	83	336	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.14	75	136064	34.01	ug/l	# 32
79) 2-Chlorotoluene	11.35	91	182	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	136064	81.73	ug/l	# 10

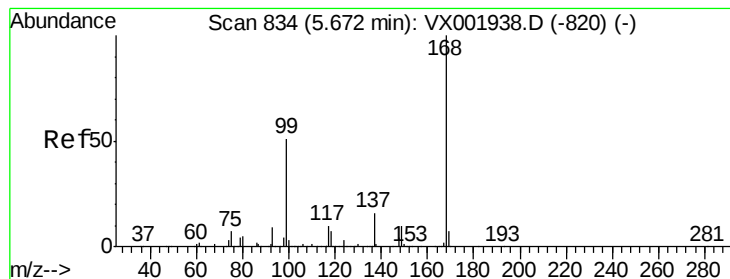
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :

MSVOA_X

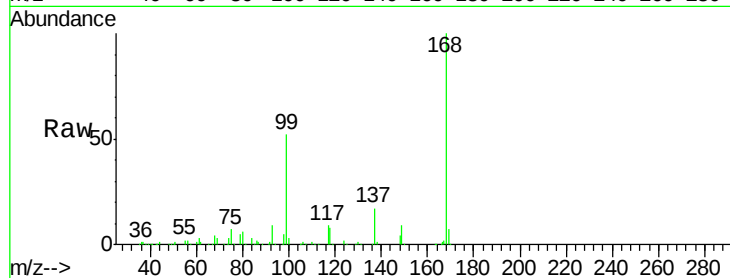
ClientSampleId :

Tot Ion:168 Resp: 230323

Ion Ratio Lower Upper

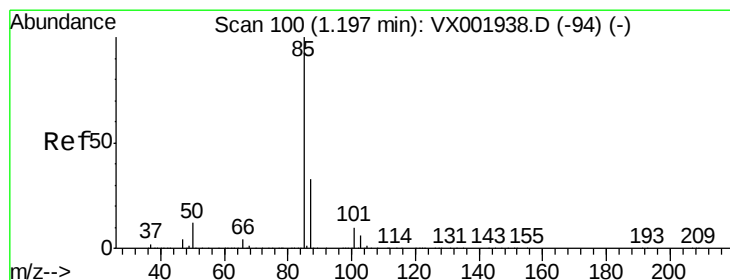
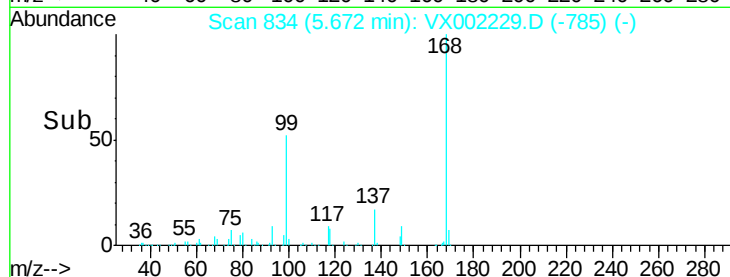
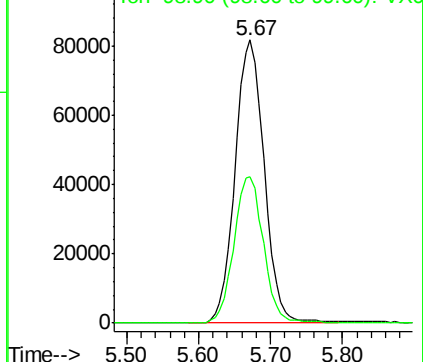
168 100

99 51.8 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: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002229.D

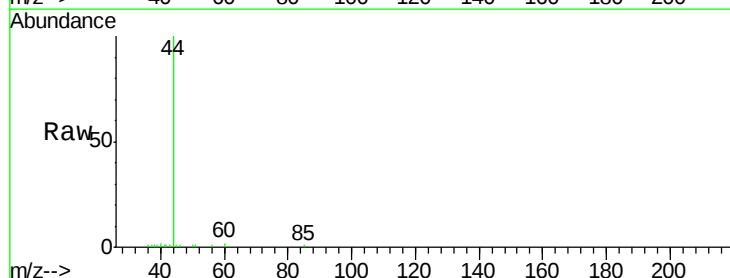
Acq: 01 Jun 2018 23:03

Tgt Ion: 85 Resp: 89

Ion Ratio Lower Upper

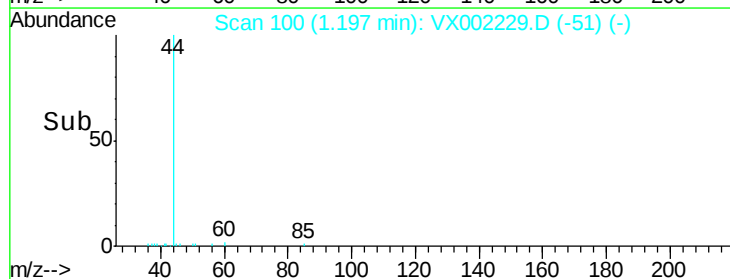
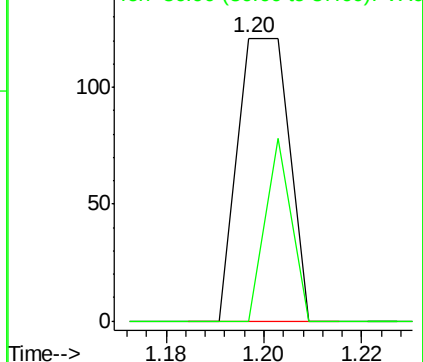
85 100

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





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :

MSVOA_X

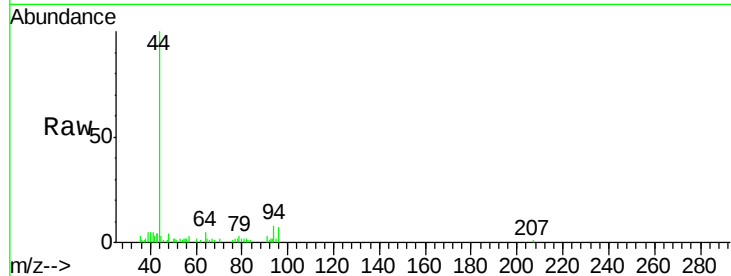
ClientSampleId :

Tot Ion: 94 Resp: 1091

Ion Ratio Lower Upper

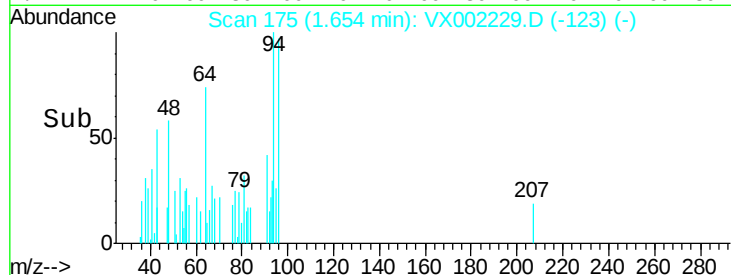
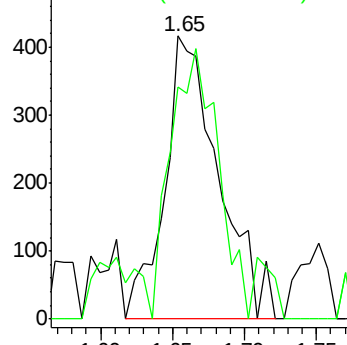
94 100

96 69.1 75.9 113.9#

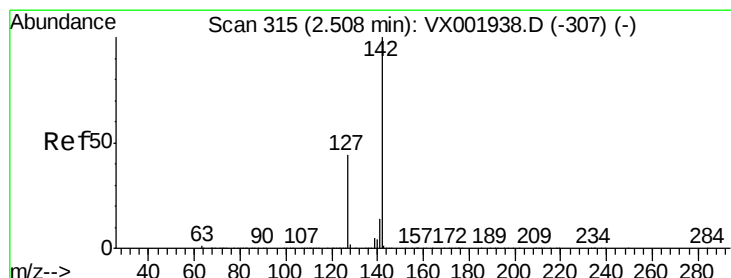


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

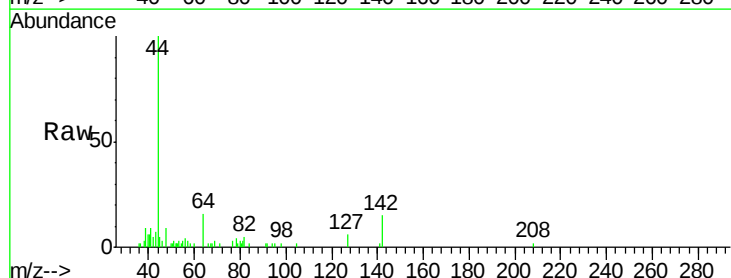
Tgt Ion: 142 Resp: 1076

Ion Ratio Lower Upper

142 100

127 43.9 35.5 53.3

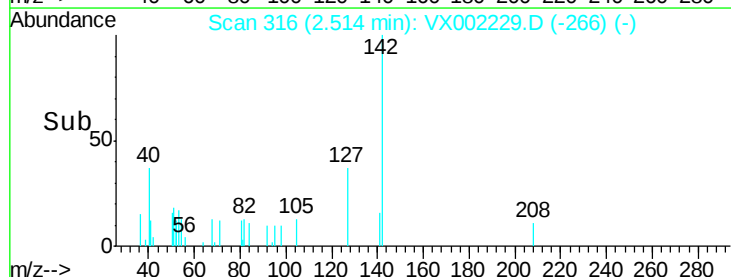
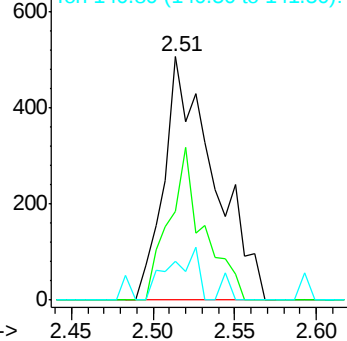
141 12.7 11.3 16.9



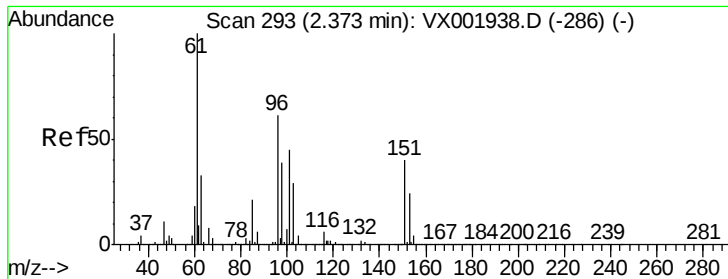
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



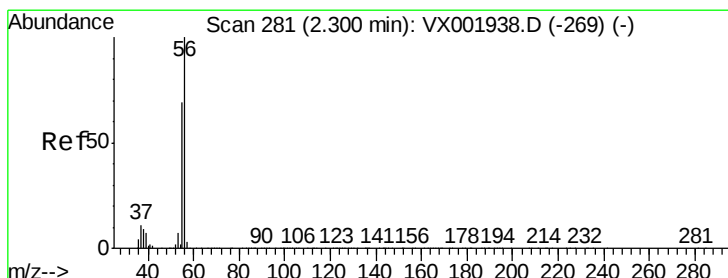
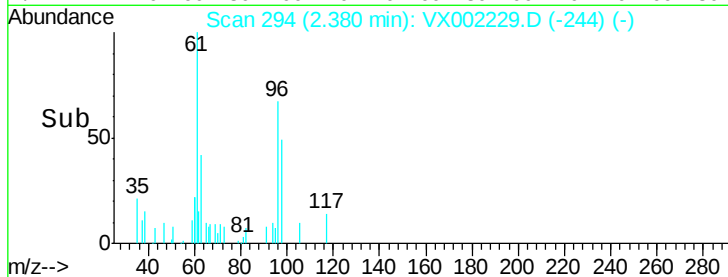
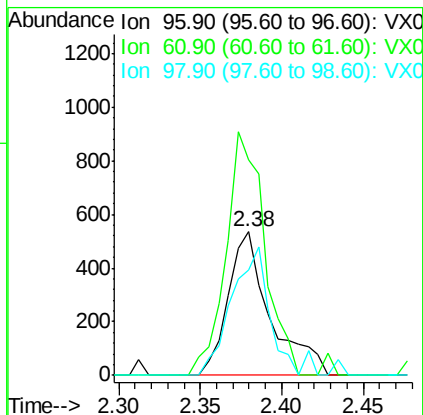
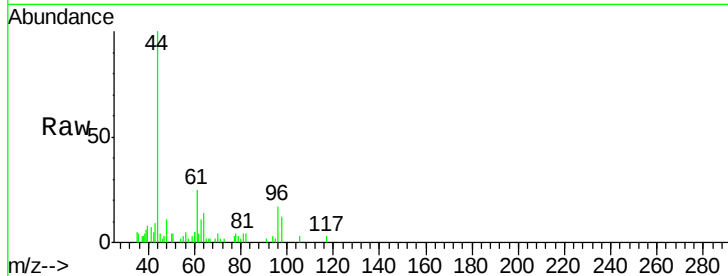
Time-->



#12
 1,1-Dichloroethene
 Concen: 0.36 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX002229.D
 Acq: 01 Jun 2018 23:03

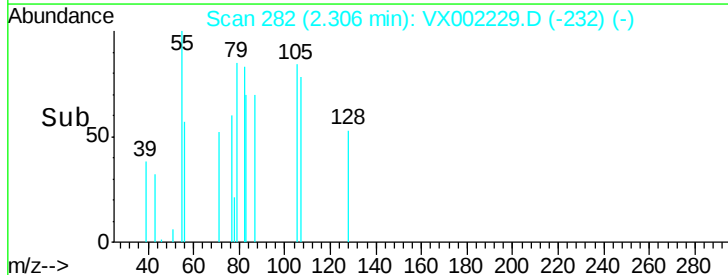
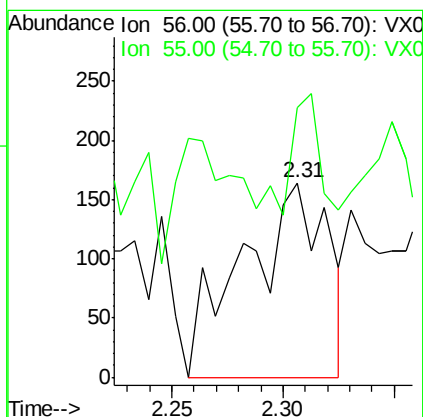
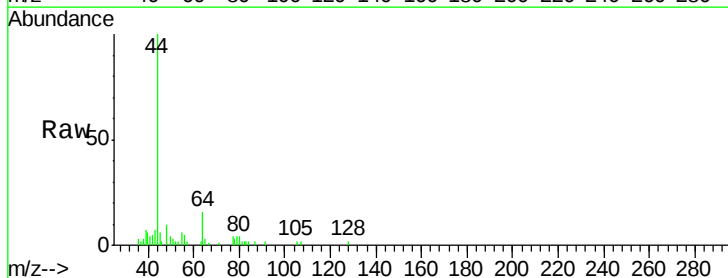
Instrument :
 MSVOA_X
 ClientSampled :

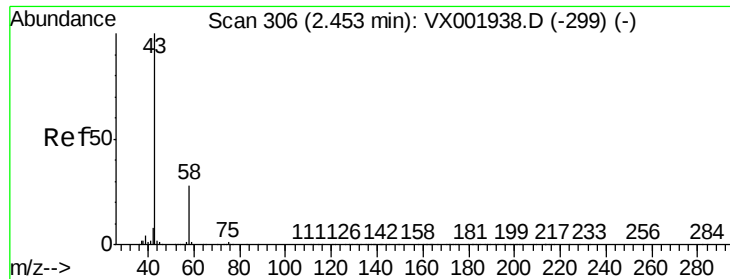
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	131.7	197.5
98	73.5	51.6	77.4



#13
 Acrolein
 Concen: 1.22 ug/l
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX002229.D
 Acq: 01 Jun 2018 23:03

Tgt Ion	Ratio	Lower	Upper
56	100		
55	22.9	56.8	85.2#

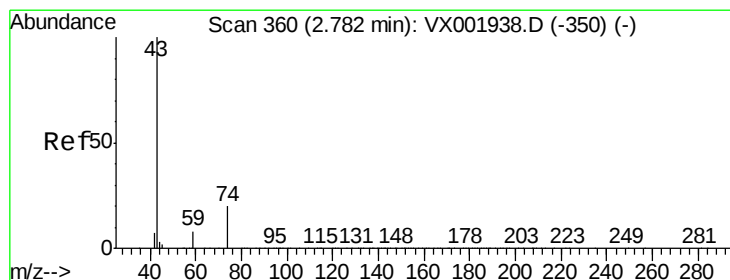
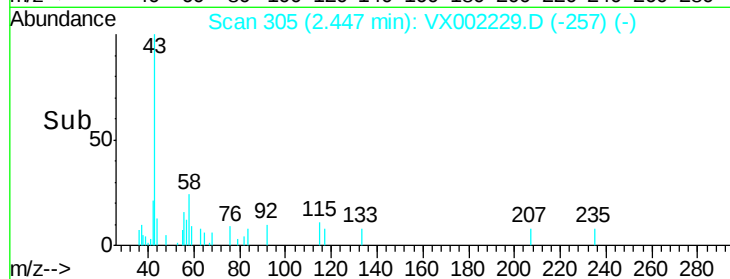
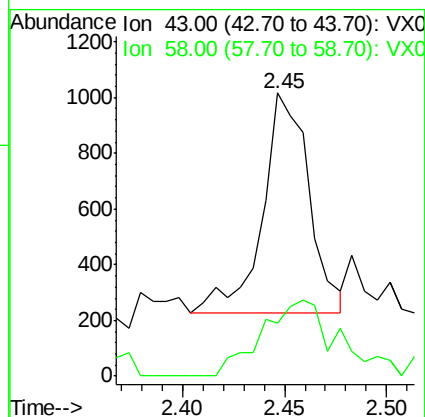
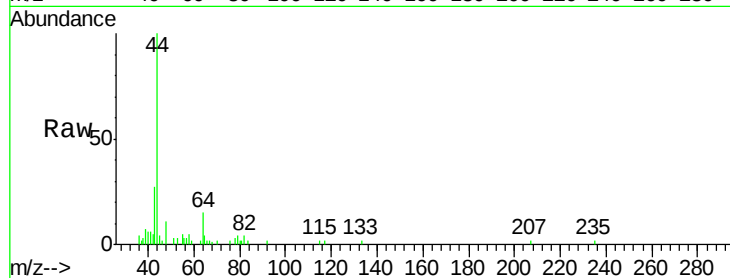




#16
Acetone
Concen: 0.79 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

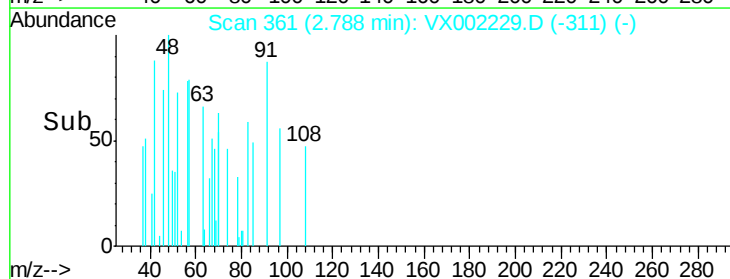
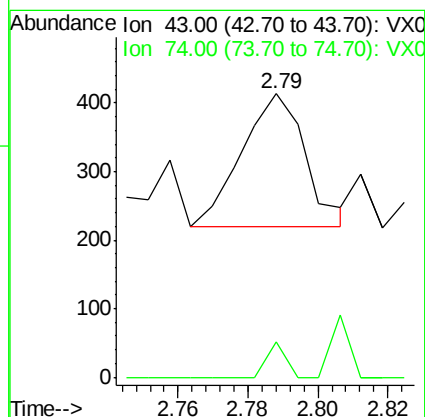
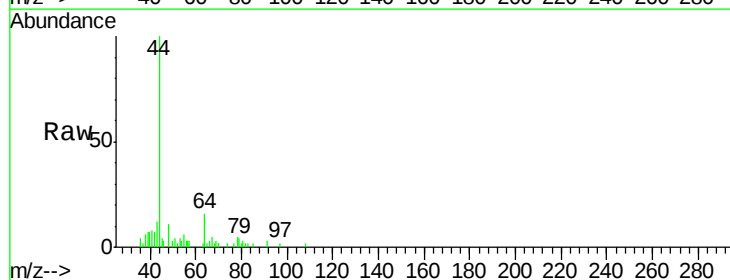
Instrument :
MSVOA_X
ClientSampled :

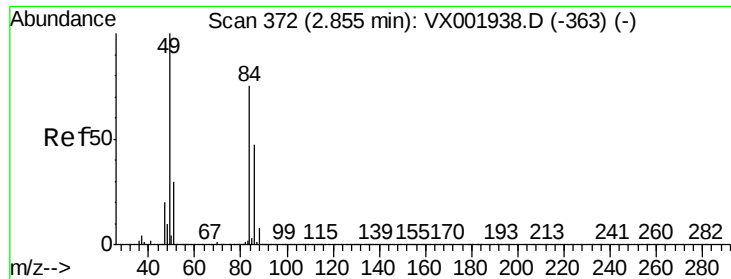
Tot Ion: 43 Resp: 1254
Ion Ratio Lower Upper
43 100
58 24.4 22.3 33.5



#18
Methyl Acetate
Concen: Below Cal
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

Tgt Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
74 7.8 16.8 25.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

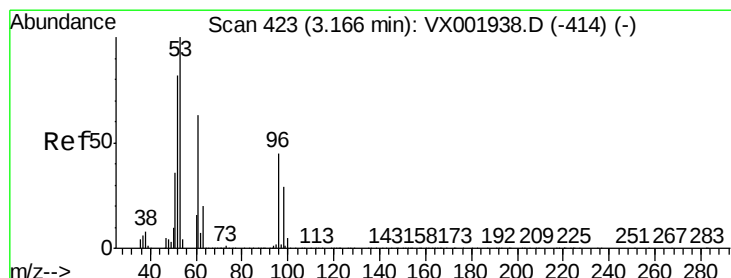
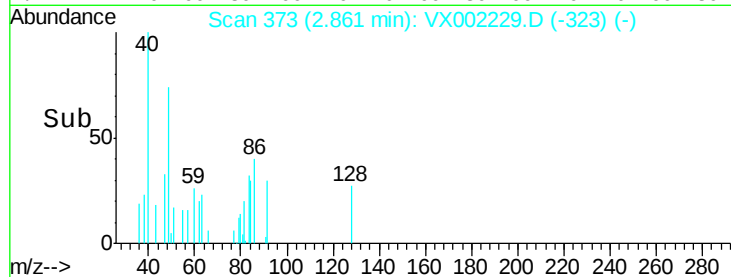
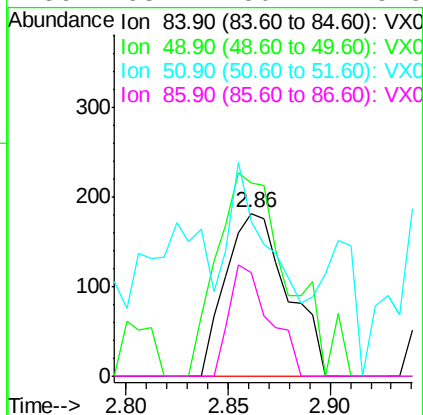
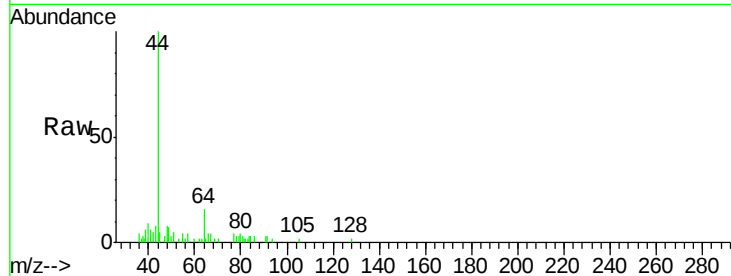
Delta R.T. 0.01 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	387
Ion	Ratio	Lower	Upper
84	100		
49	118.7	107.2	160.8
51	12.1	32.4	48.6#
86	63.7	50.4	75.6



#21

trans-1,2-Dichloroethene

Concen: Below Cal

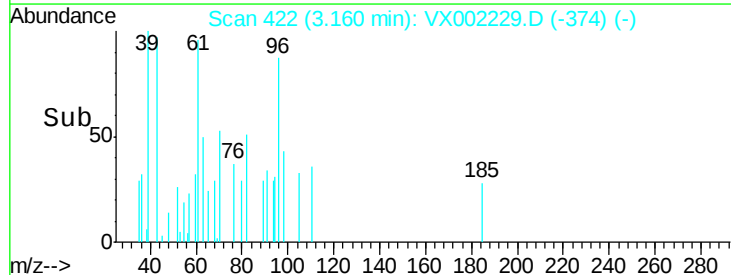
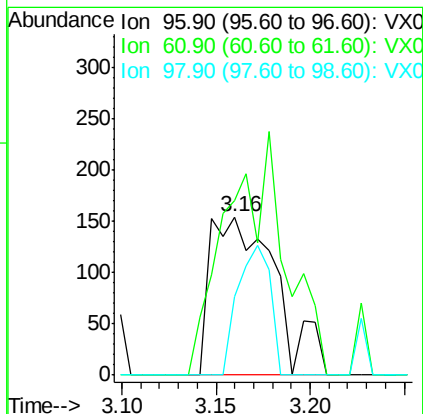
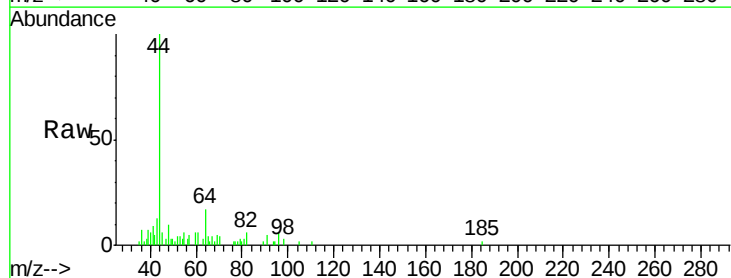
RT: 3.16 min Scan# 422

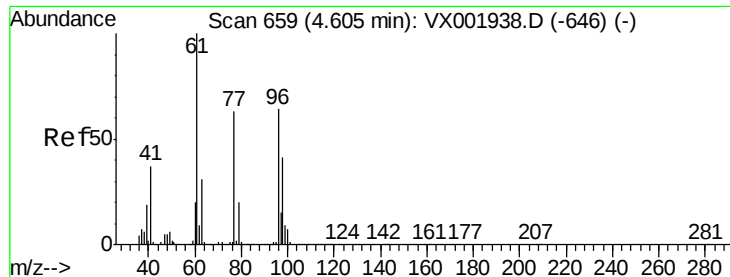
Delta R.T. -0.01 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Tgt Ion:	96	Resp:	372
Ion	Ratio	Lower	Upper
96	100		
61	110.4	113.3	169.9#
98	49.4	51.7	77.5#





#27

cis-1,2-Dichloroethene

Concen: 7.02 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :
MSVOA_X
ClientSampleId :

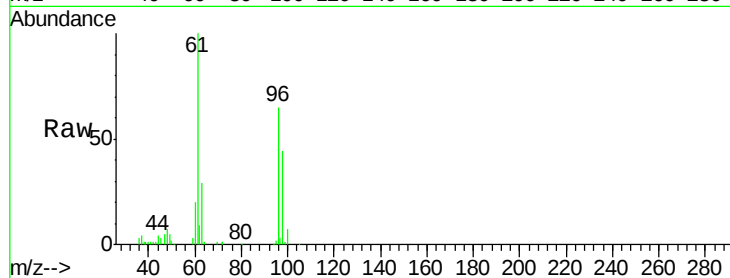
Tot Ion: 96 Resp: 24570

Ion Ratio Lower Upper

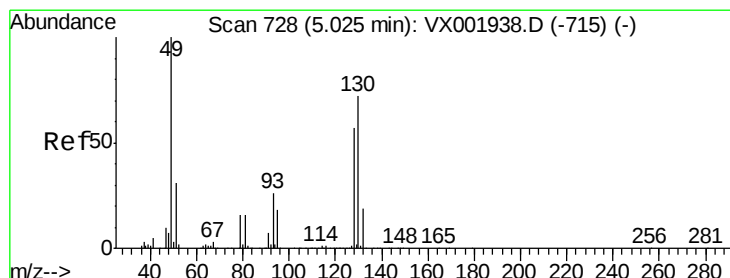
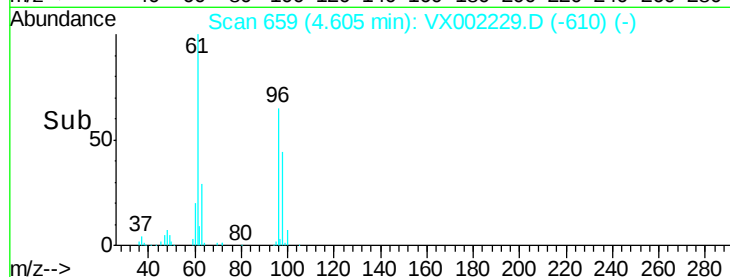
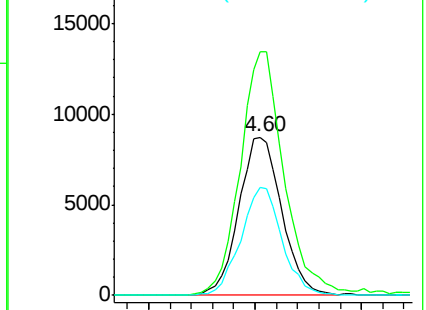
96 100

61 157.9 0.0 348.4

98 65.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

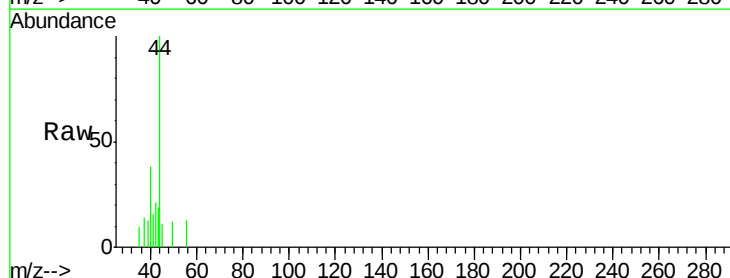
Tgt Ion: 49 Resp: 45

Ion Ratio Lower Upper

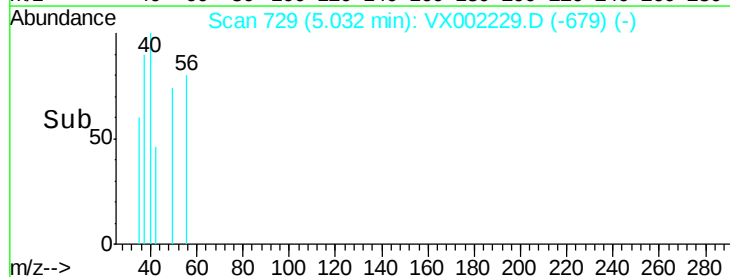
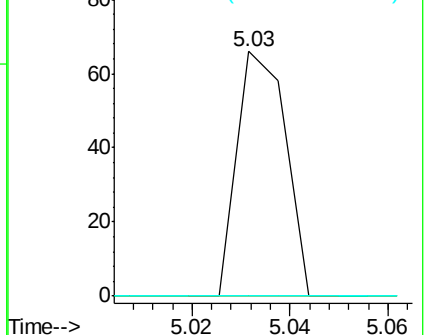
49 100

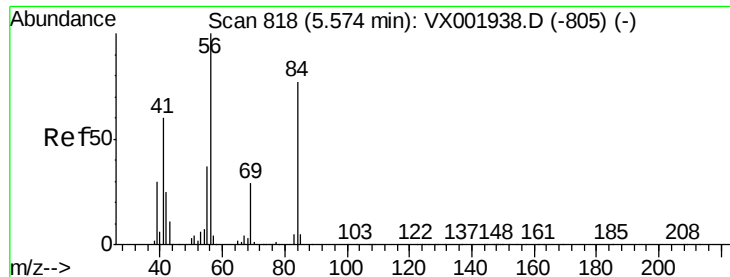
129 0.0 0.0 3.8

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

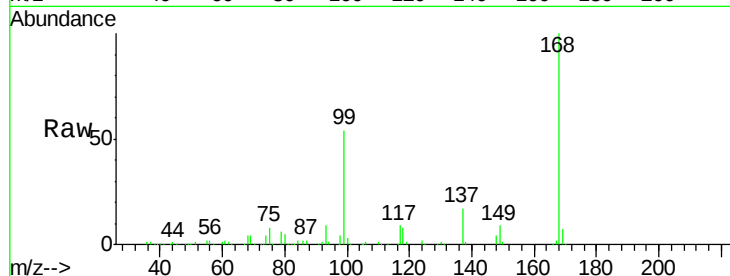




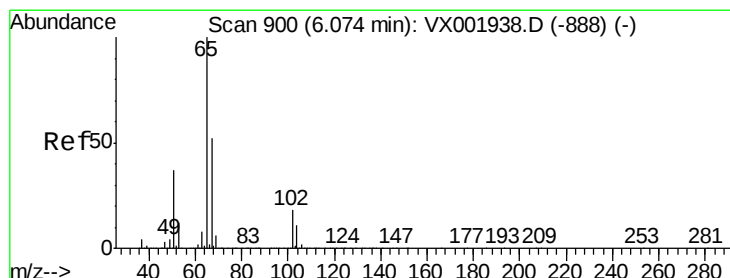
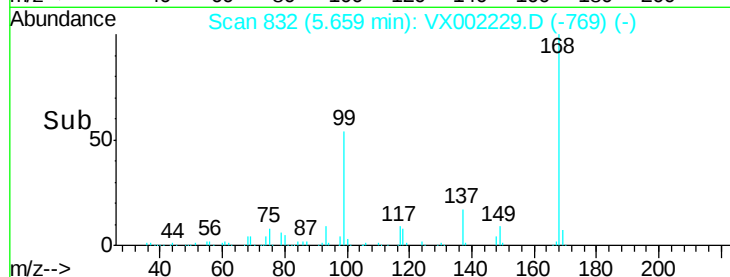
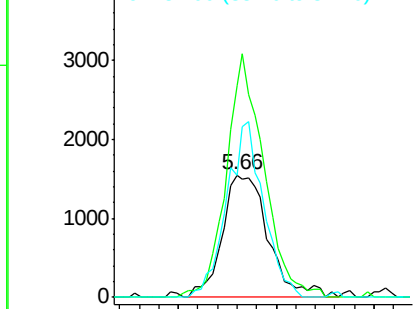
#31
Cyclohexane
Concen: 0.89 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 5032
Ion Ratio Lower Upper
56 100
69 173.1 23.1 34.7#
84 99.6 62.0 93.0#

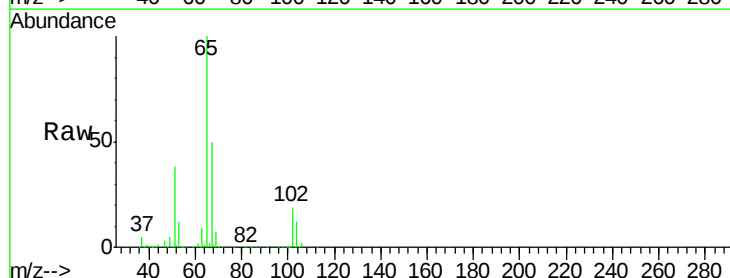


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

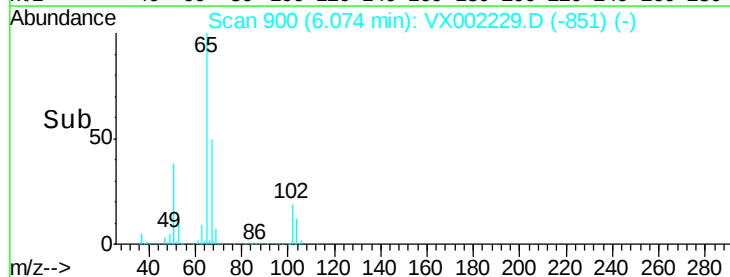
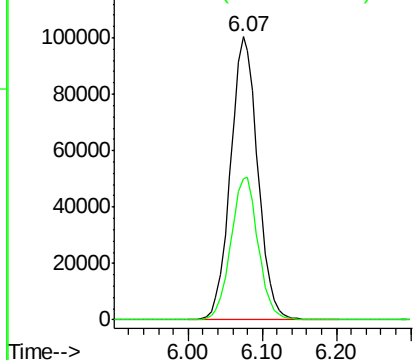


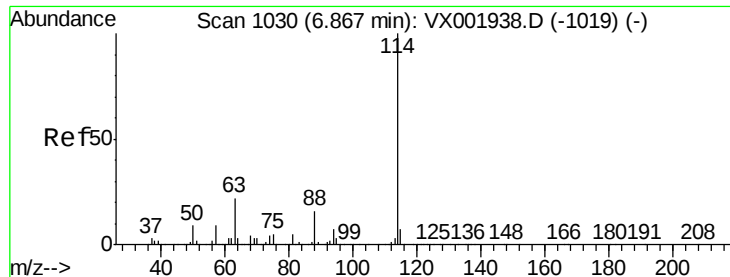
#33
1,2-Dichloroethane-d4
Concen: 62.47 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

Tgt Ion: 65 Resp: 257176
Ion Ratio Lower Upper
65 100
67 50.7 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: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

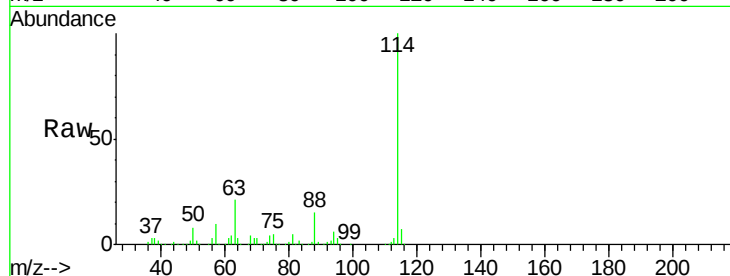
Tot Ion:114 Resp: 337172

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

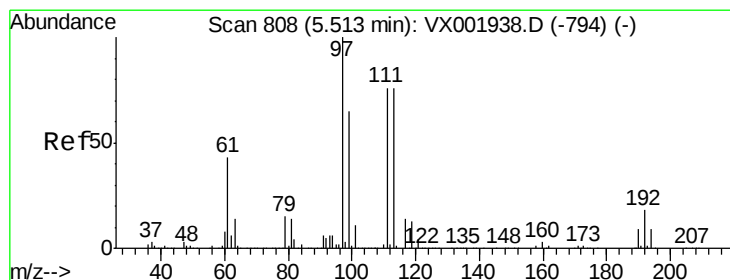
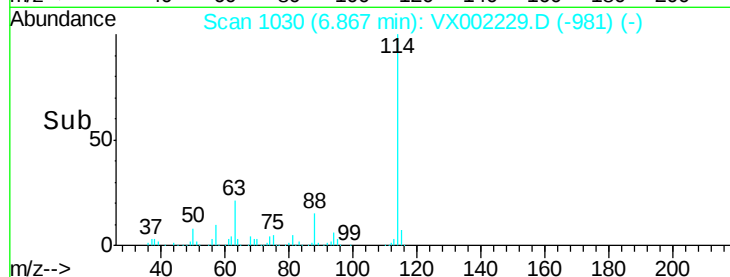
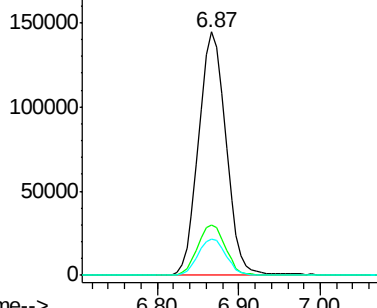
88 15.1 0.0 31.6



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: 55.34 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

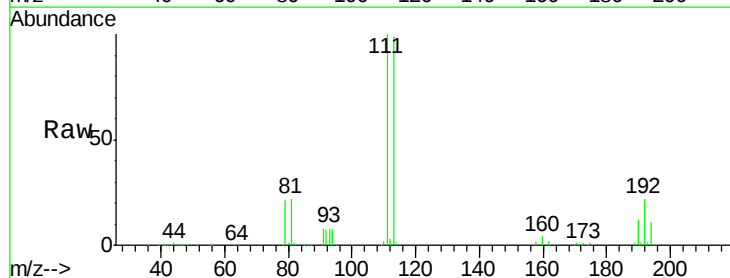
Tgt Ion:113 Resp: 186586

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

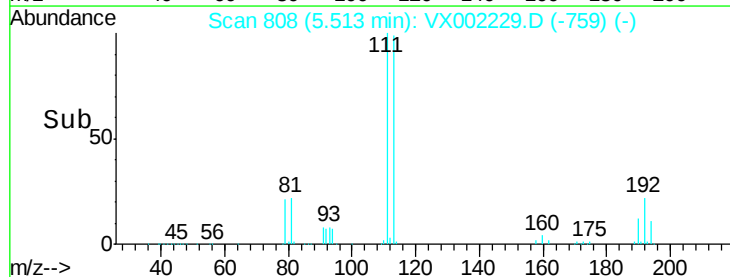
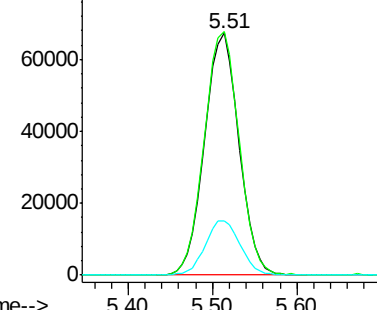
192 22.9 18.9 28.3

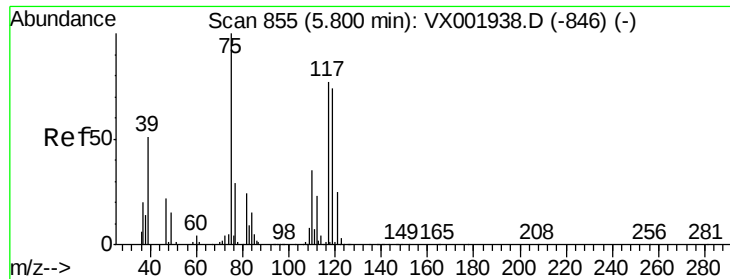


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

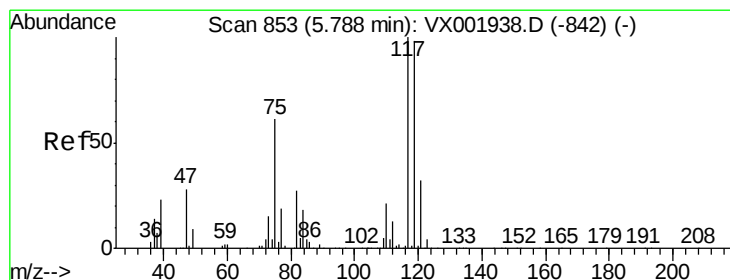
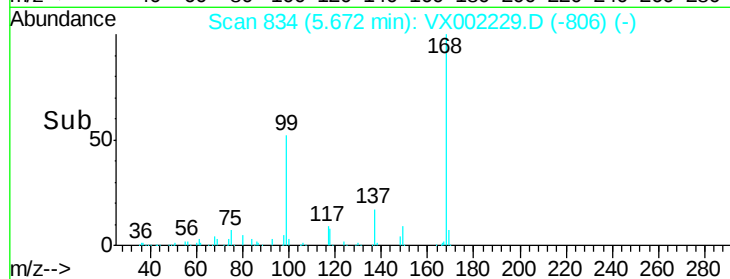
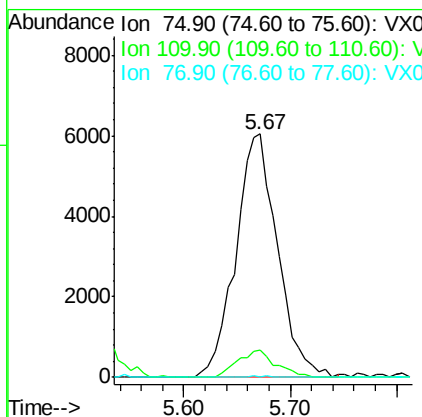
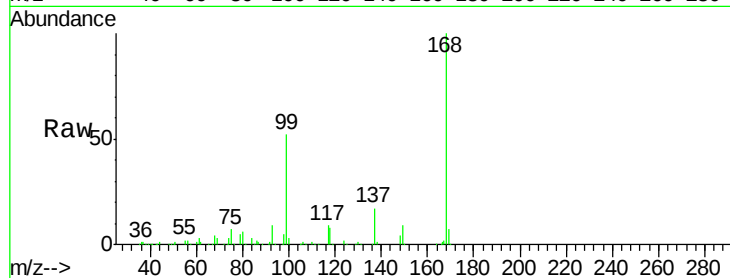




#36
 1,1-Dichloropropene
 Concen: 3.54 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX002229.D
 Acq: 01 Jun 2018 23:03

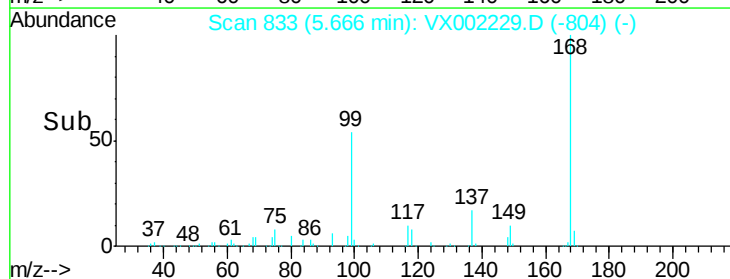
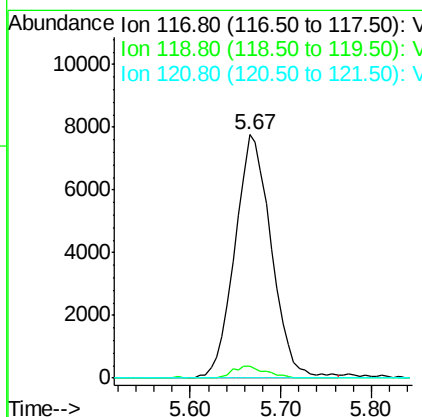
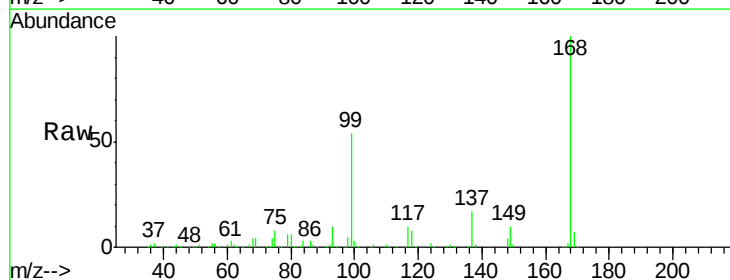
Instrument :
 MSVOA_X
 ClientSampled :

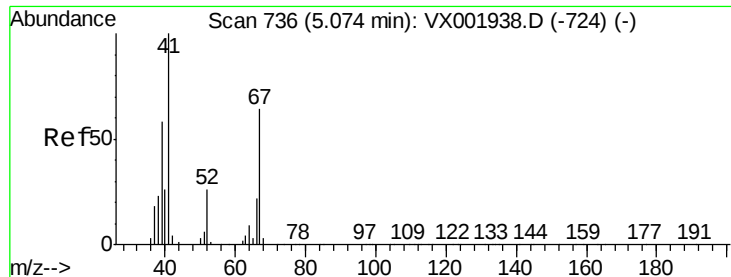
Tot Ion	75	110	77	Resp	Lower	Upper
16622	100	10.3	0.2		17.4	52.2#
					24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.95 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002229.D
 Acq: 01 Jun 2018 23:03

Tgt Ion	117	119	121	Resp	Lower	Upper
21613	100	4.9	0.0		78.5	117.7#
					25.5	38.3#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.06 min Scan# 734

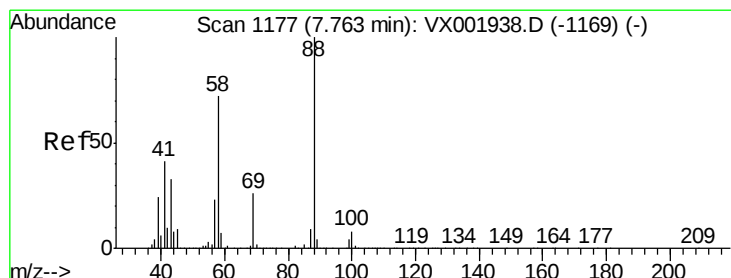
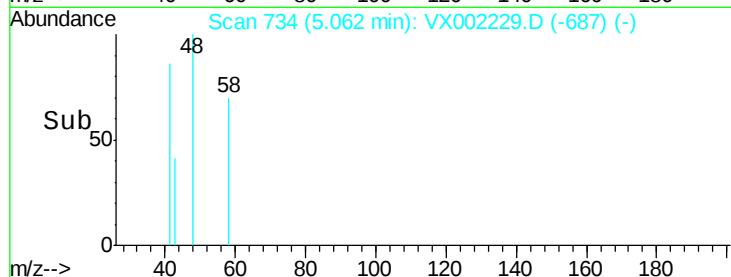
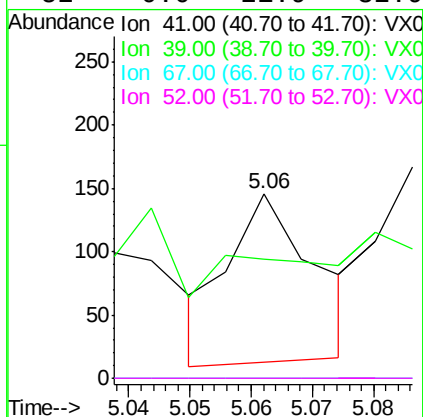
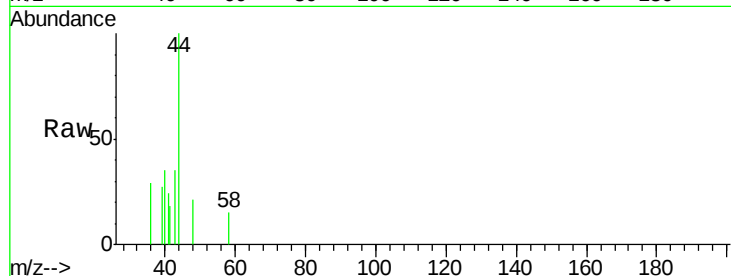
Delta R.T. -0.01 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	130
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.0	69.0#
67	0.0	50.6	75.8#
52	0.0	21.9	32.9#



#49

1,4-Dioxane

Concen: 0.21 ug/l

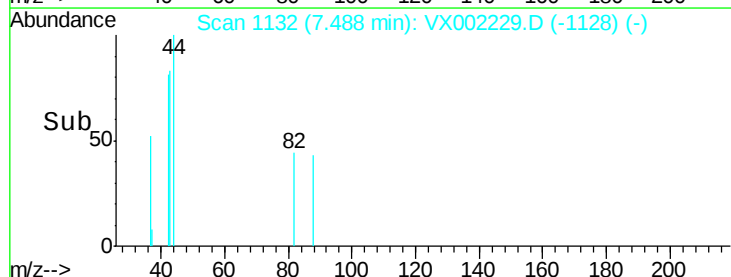
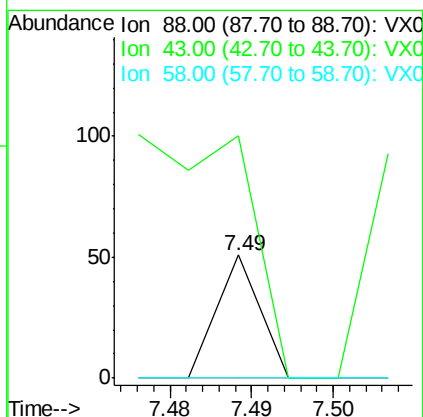
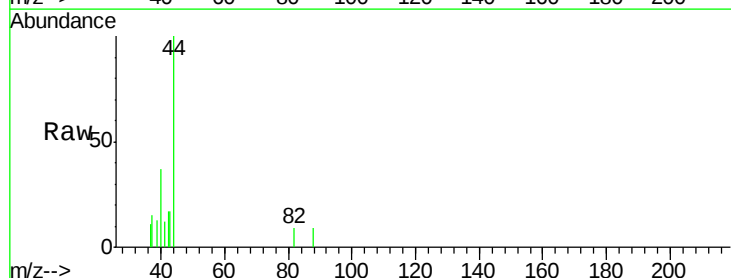
RT: 7.49 min Scan# 1132

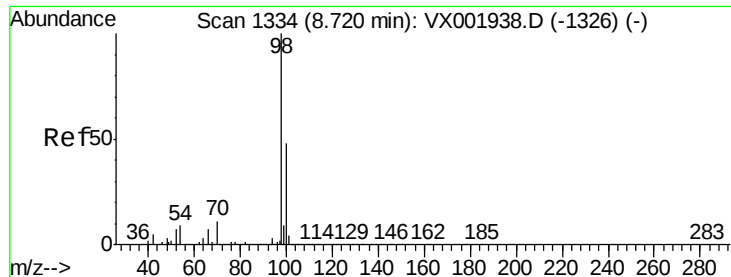
Delta R.T. -0.27 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Tgt Ion:	88	Resp:	19
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.8	44.8#
58	0.0	58.7	88.1#

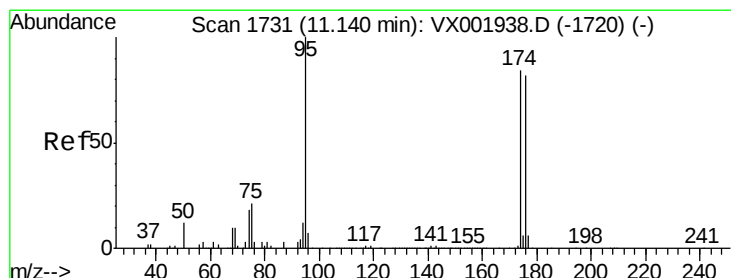
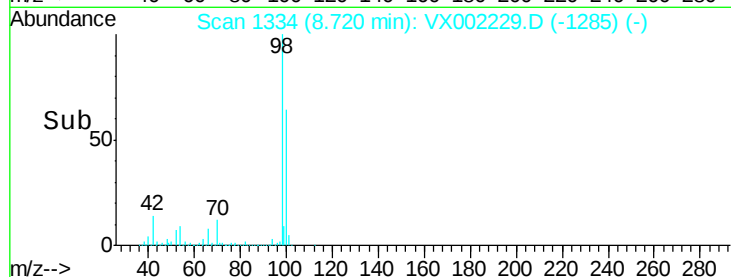
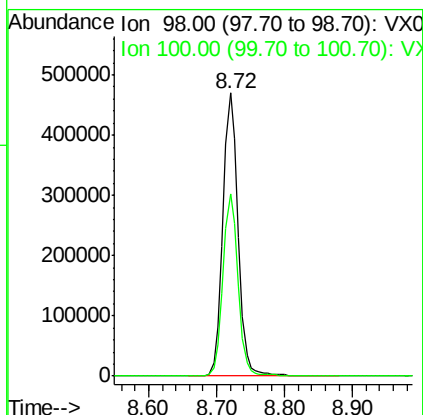
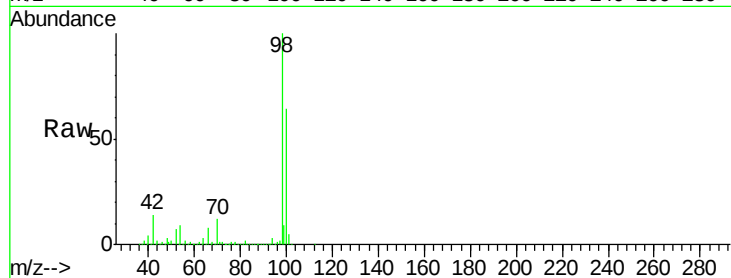




#50
Toluene-d8
Concen: 59.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

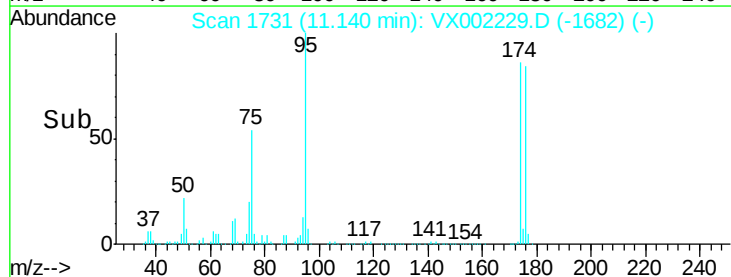
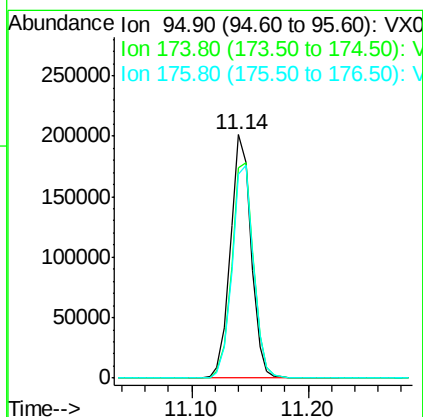
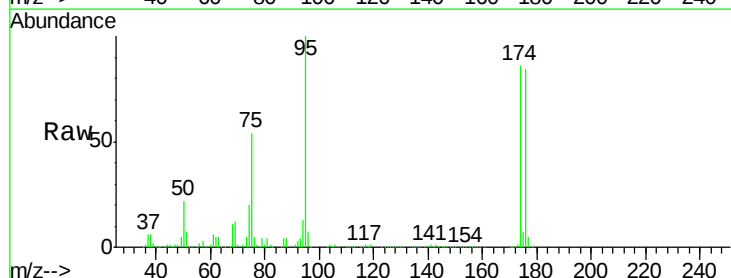
Instrument :
MSVOA_X
ClientSampled :

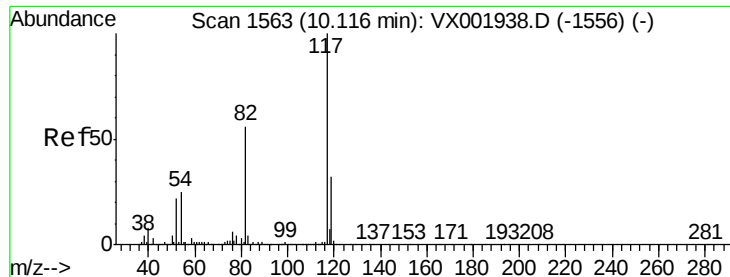
Tot Ion: 98 Resp: 730171
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 52.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

Tgt Ion: 95 Resp: 249929
Ion Ratio Lower Upper
95 100
174 92.5 0.0 178.8
176 90.3 0.0 175.6

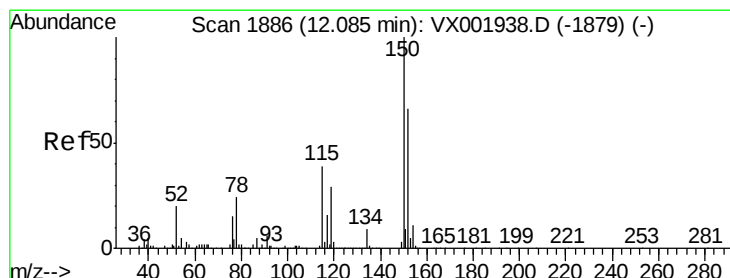
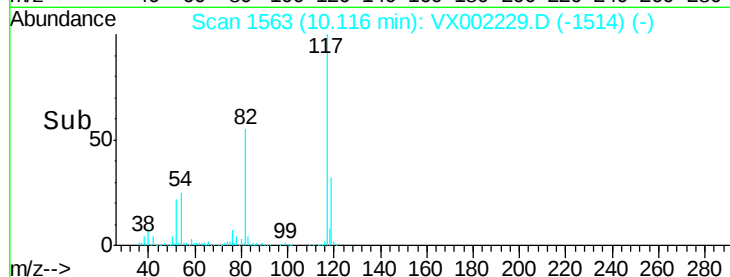
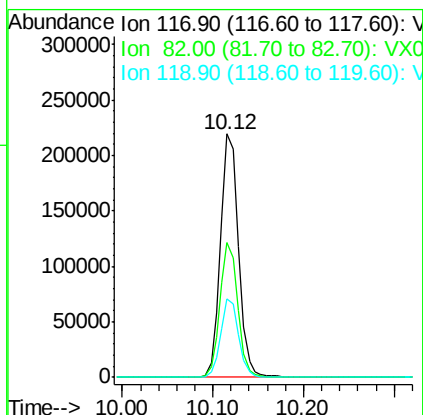
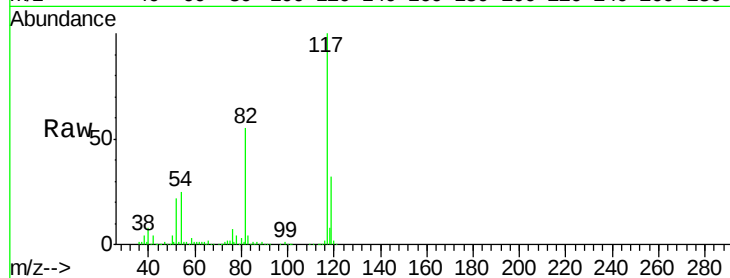




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

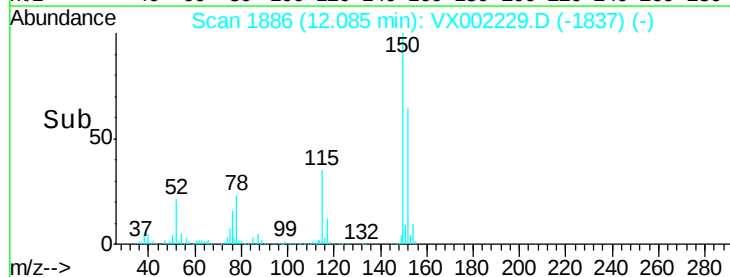
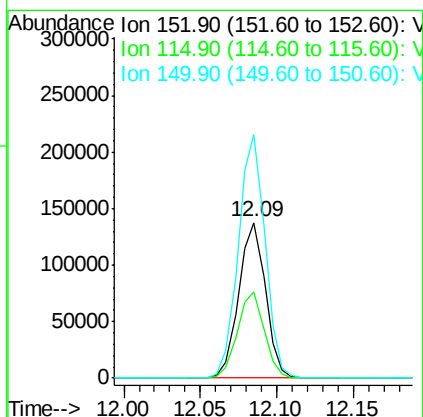
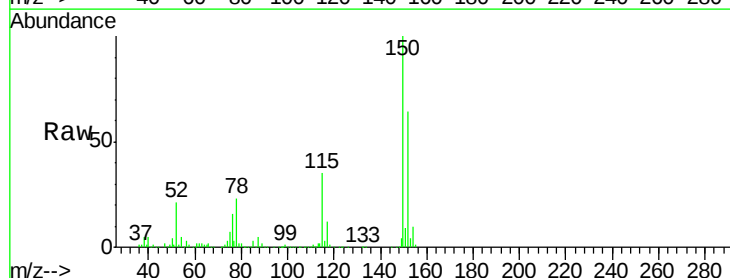
Instrument :
MSVOA_X
ClientSampleId :

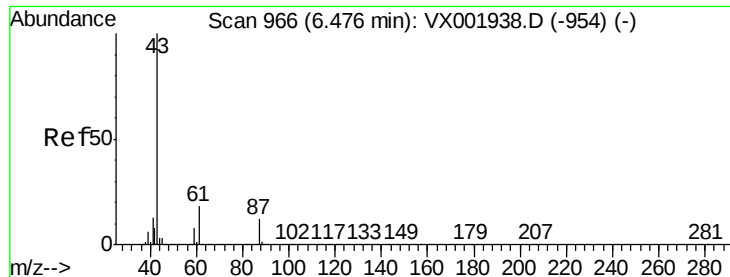
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.8	67.2
119	32.3	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002229.D
Acq: 01 Jun 2018 23:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	42.3	126.8
150	156.2	0.0	351.0





#74

N-amvl acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 79

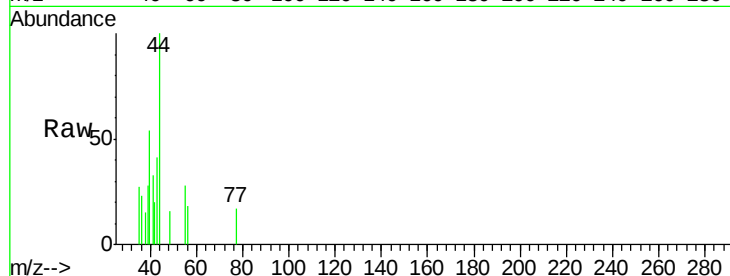
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 197.5 0.1 0.1#

61 0.0 14.5 21.7#

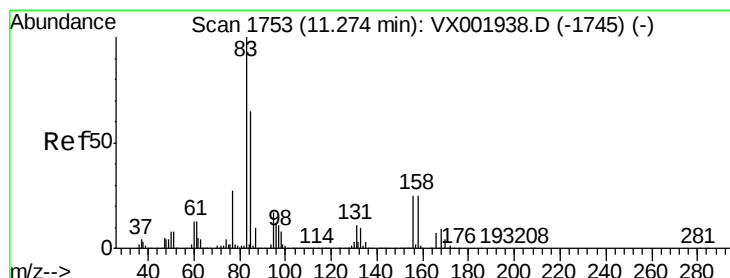
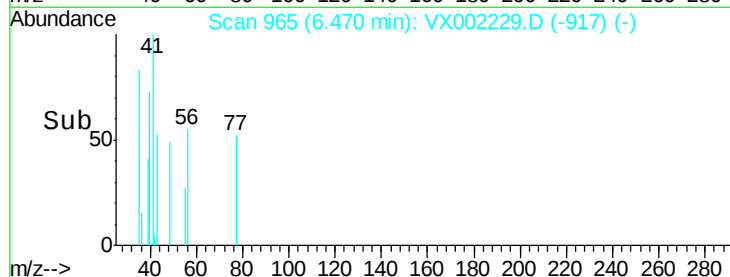
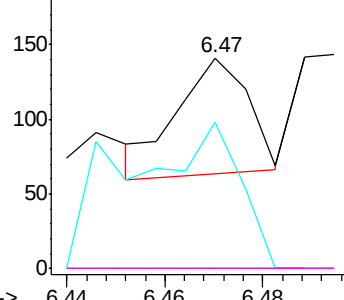


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.15 min Scan# 1732

Delta R.T. -0.13 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

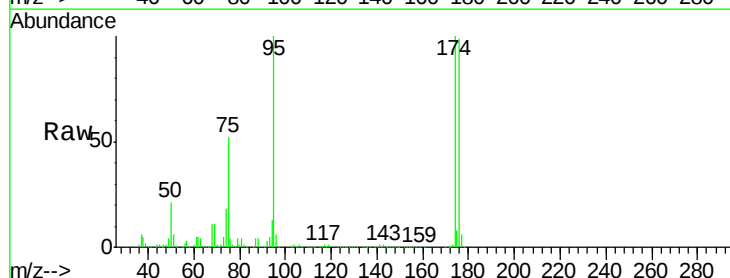
Tgt Ion: 83 Resp: 336

Ion Ratio Lower Upper

83 100

131 121.7 5.7 17.0#

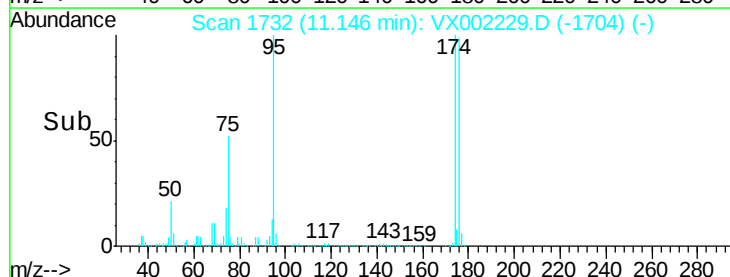
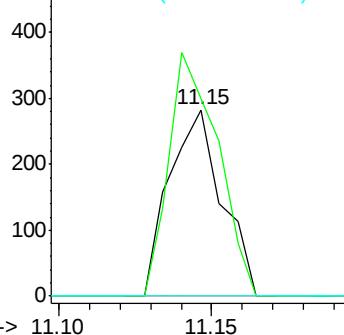
85 0.0 32.6 97.7#

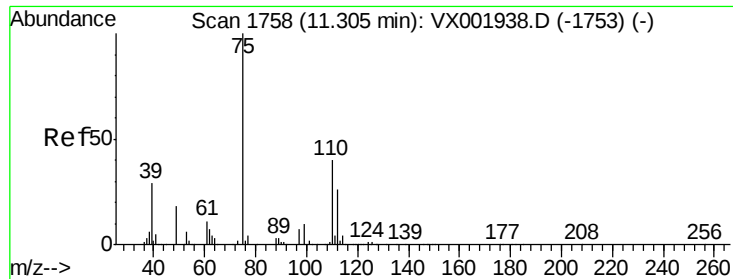


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

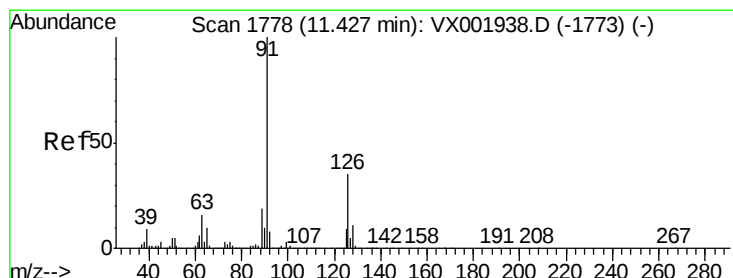
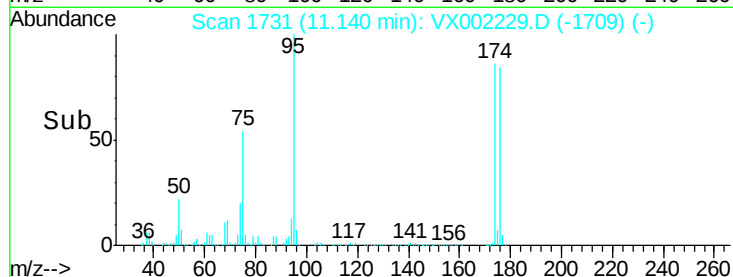
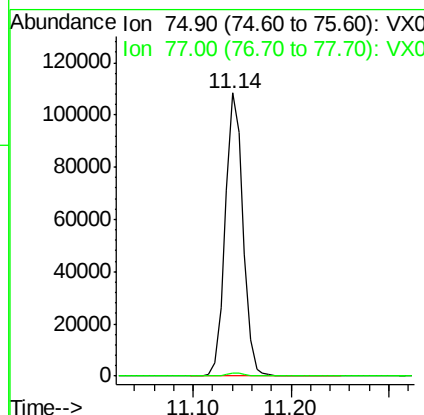
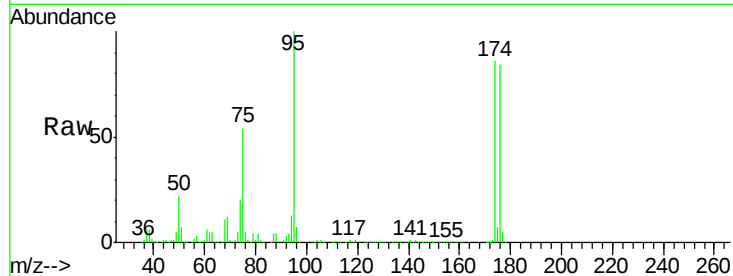




#76
 1,2,3-Trichloropropane
 Concen: 34.01 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002229.D
 Acq: 01 Jun 2018 23:03

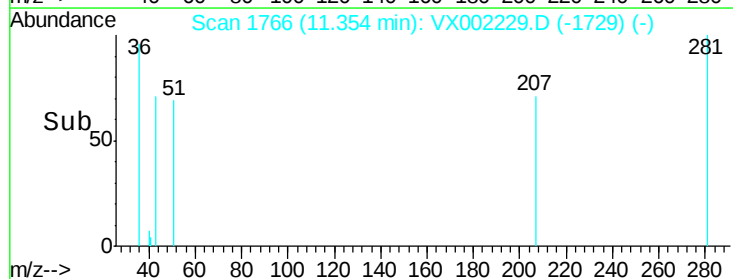
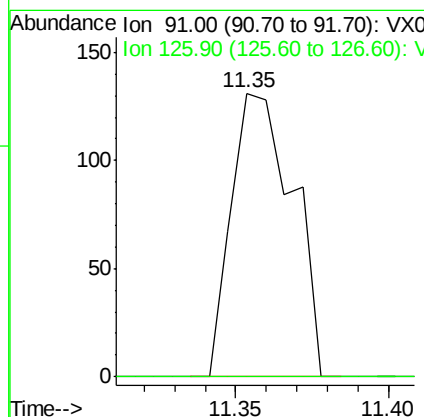
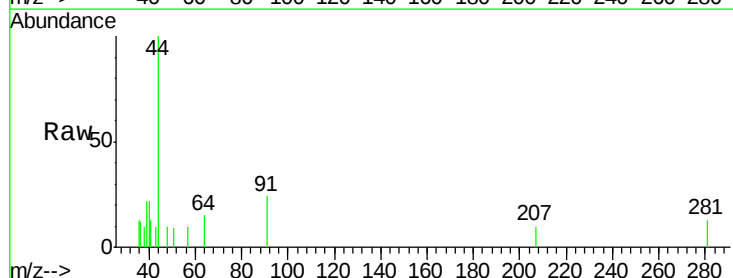
Instrument :
 MSVOA_X
 ClientSampleId :

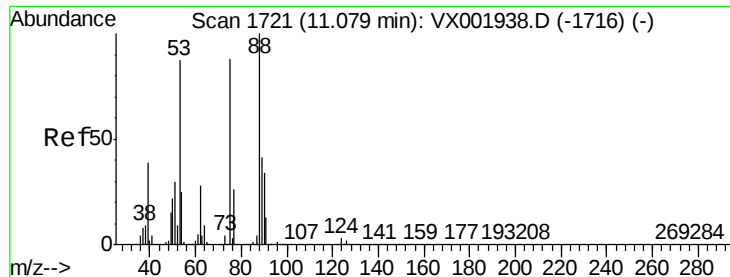
Tot Ion: 75 Resp: 136064
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.35 min Scan# 1766
 Delta R.T. -0.07 min
 Lab File: VX002229.D
 Acq: 01 Jun 2018 23:03

Tgt Ion: 91 Resp: 182
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 81.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002229.D

Acq: 01 Jun 2018 23:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 136064

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#

