

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060118\
 Data File : VX002227.D
 Acq On : 01 Jun 2018 22:10
 Operator : JC/MD
 Sample : J3151-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 02 03:23:02 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	227421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	165379	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	227035	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
35) Dibromofluoromethane	5.51	113	165936	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	8.72	98	656243	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
62) 4-Bromofluorobenzene	11.14	95	227058	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	

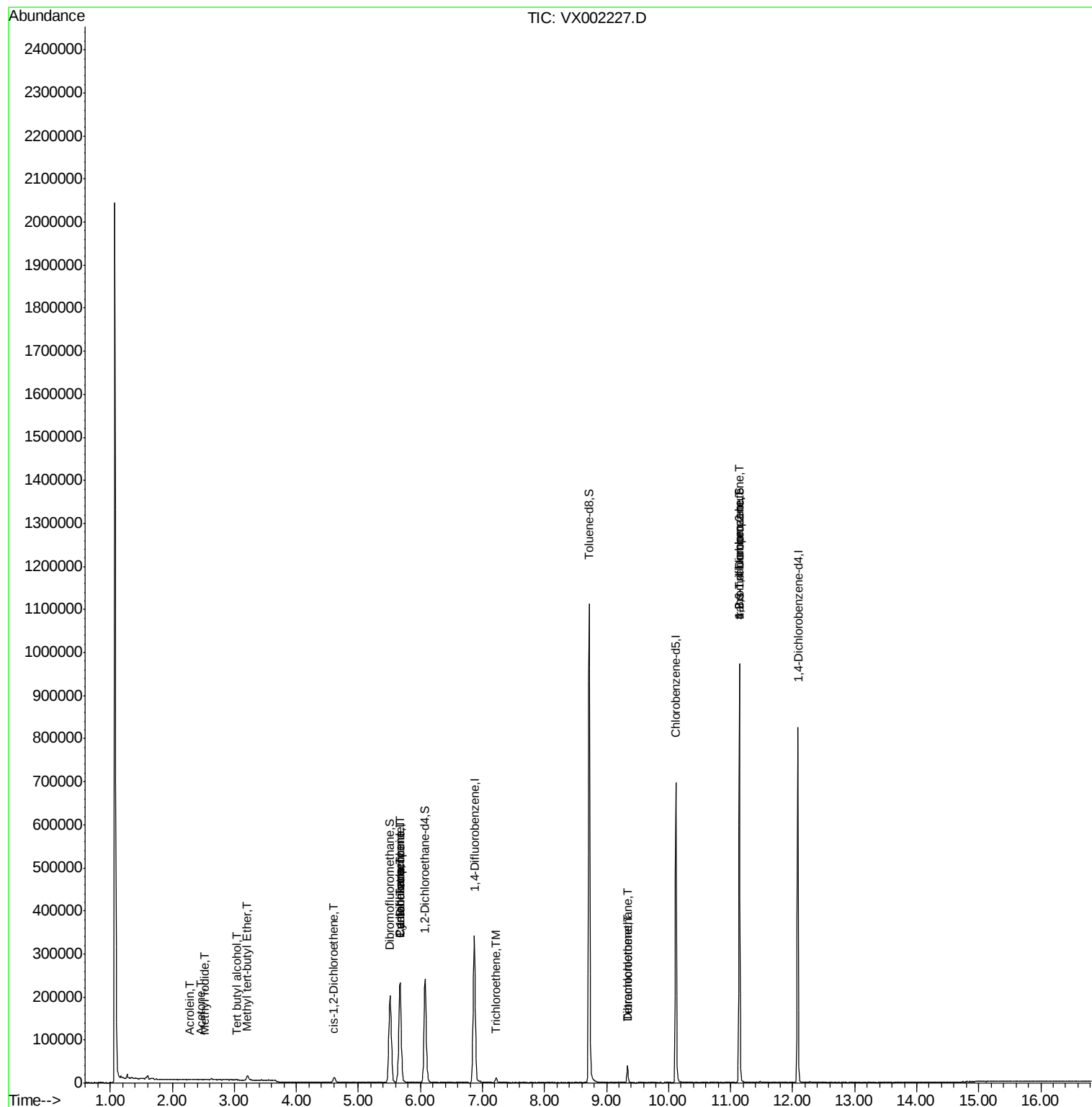
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	258	Below Cal	#	41
5) Bromomethane	1.66	94	1249	Below Cal	#	83
10) Methyl Iodide	2.52	142	1247	0.33	ug/l	92
11) Tert butyl alcohol	3.03	59	340	0.43	ug/l	1
13) Acrolein	2.29	56	113	0.33	ug/l	1
16) Acetone	2.46	43	859	0.55	ug/l	62
18) Methyl Acetate	2.78	43	105	Below Cal	#	11
19) Methyl tert-butyl Ether	3.21	73	11160	1.12	ug/l	93
20) Methylene Chloride	2.86	84	339	Below Cal	#	83
21) trans-1,2-Dichloroethene	3.17	96	21	Below Cal	#	39
27) cis-1,2-Dichloroethene	4.60	96	4987	1.44	ug/l	41
28) Bromochloromethane	5.01	49	22	Below Cal	#	14
31) Cyclohexane	5.67	56	5245	0.94	ug/l	16
36) 1,1-Dichloropropene	5.67	75	16681	3.55	ug/l	51
38) Carbon Tetrachloride	5.67	117	21676	3.95	ug/l	15
41) Methacrylonitrile	5.09	41	116	Below Cal	#	29
44) Trichloroethene	7.22	130	3762	0.94	ug/l	88
60) Dibromochloromethane	9.34	129	6978	1.61	ug/l	11
64) Tetrachloroethene	9.34	164	7634	1.74	ug/l	97
74) N-amyl acetate	6.46	43	216	Below Cal	#	60
75) 1,1,2,2-Tetrachloroethane	11.14	83	281	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.14	75	122223	30.77	ug/l	32
79) 2-Chlorotoluene	11.43	91	101	Below Cal	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	122223	73.95	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: VX002227.D

Acq: 01 Jun 2018 22:10

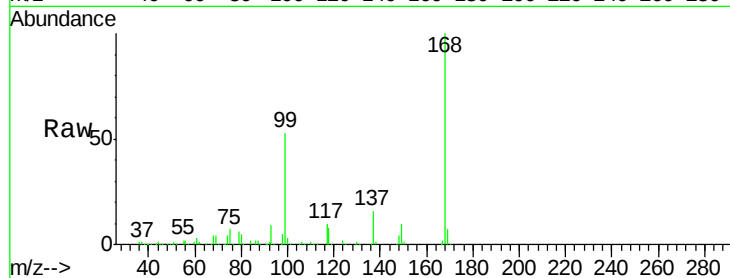
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 227421

Ion Ratio Lower Upper

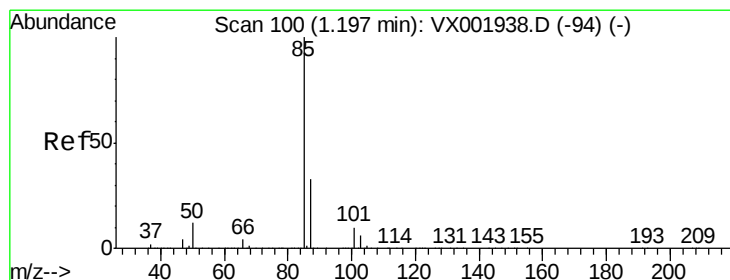
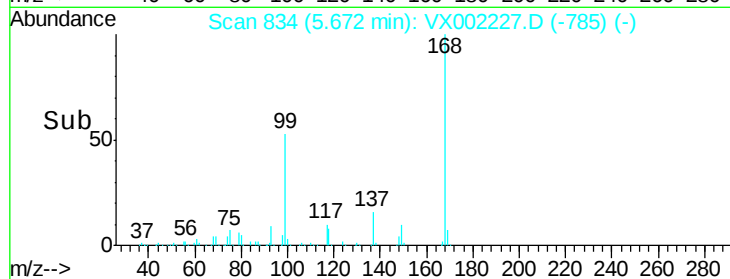
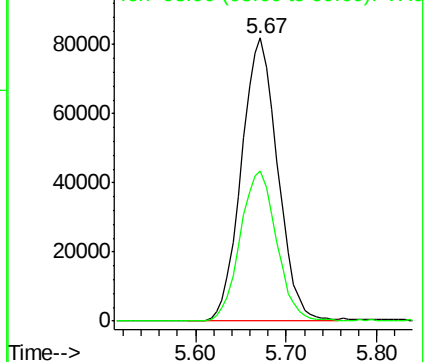
168 100

99 53.1 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# 101

Delta R.T. 0.01 min

Lab File: VX002227.D

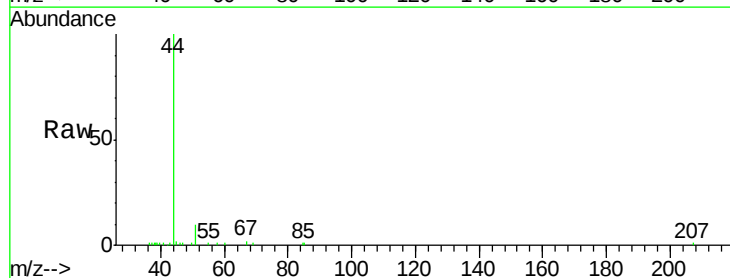
Acq: 01 Jun 2018 22:10

Tgt Ion: 85 Resp: 258

Ion Ratio Lower Upper

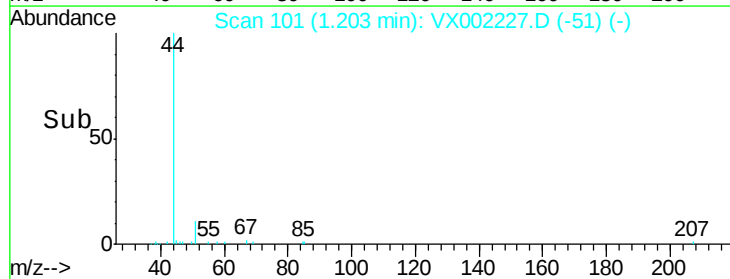
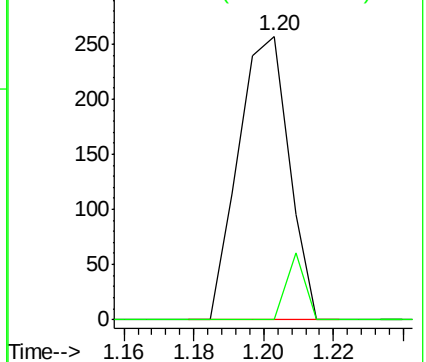
85 100

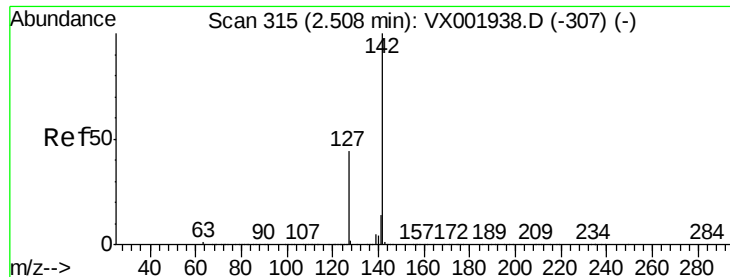
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

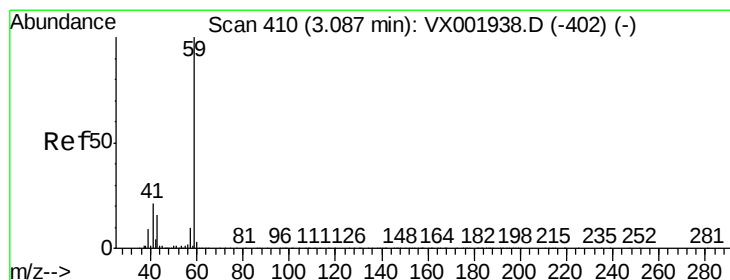
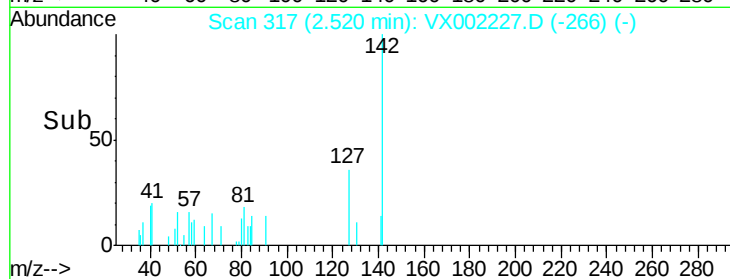
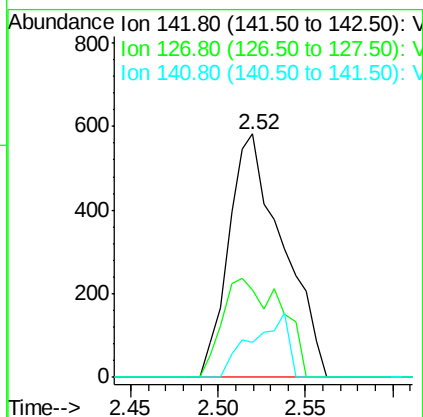
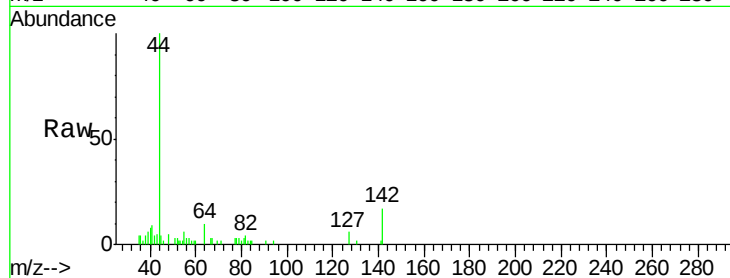




#10
Methyl Iodide
Concen: 0.33 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

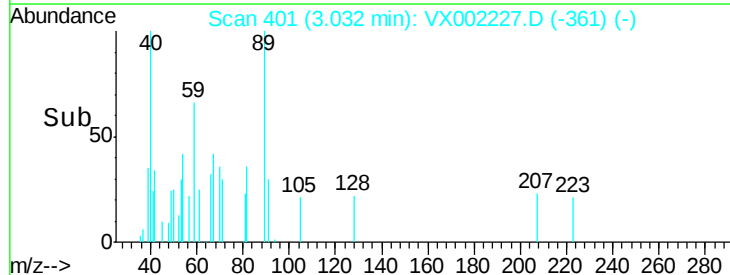
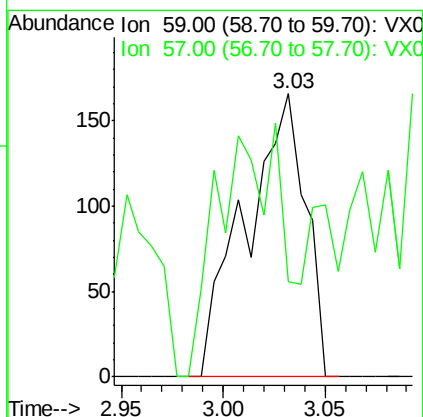
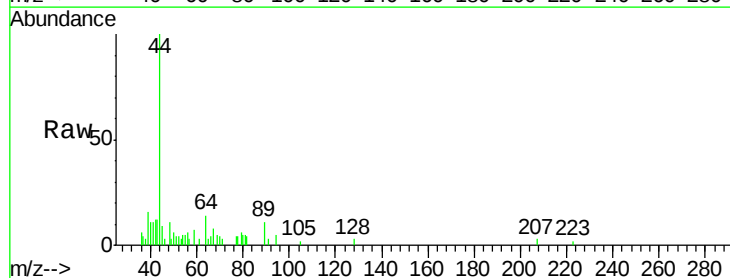
Instrument :
MSVOA_X
ClientSampleId :

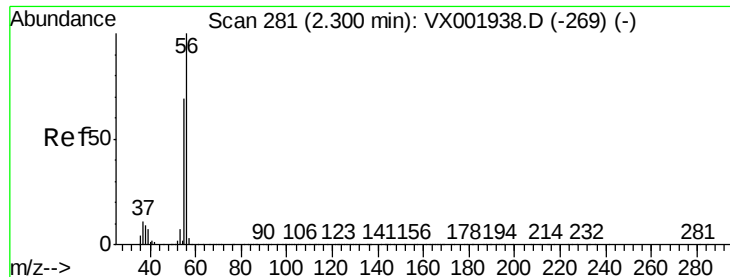
Tot Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.5	53.3
141	0.0	11.3	16.9



#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

Tgt Ion	Ratio	Lower	Upper
59	100		
57	94.7	8.9	13.3





#13

Acrolein

Concen: 0.33 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

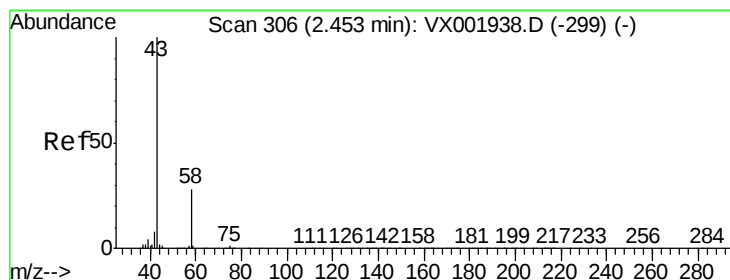
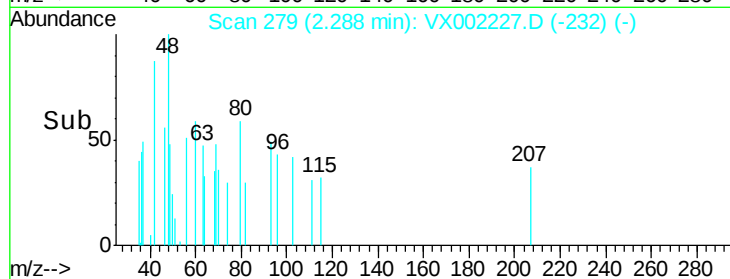
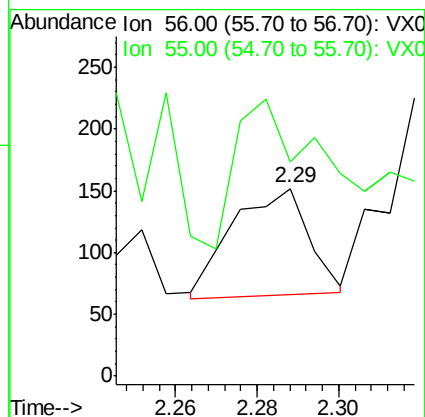
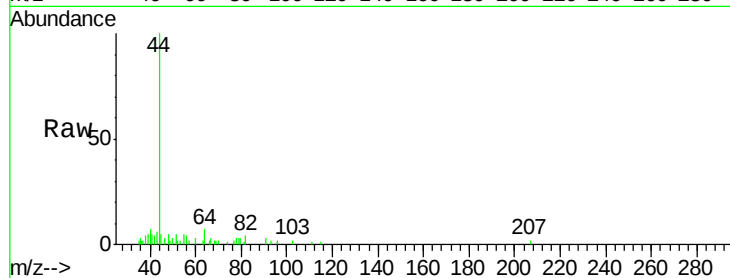
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 202.7 56.8 85.2#



#16

Acetone

Concen: 0.55 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX002227.D

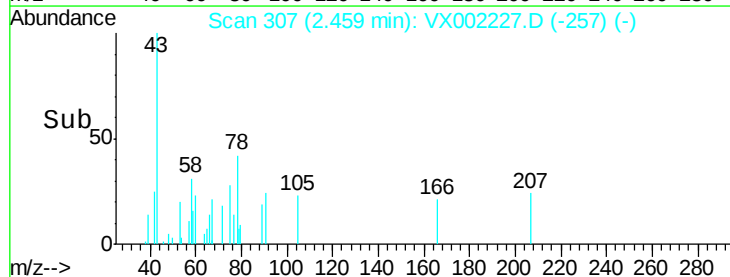
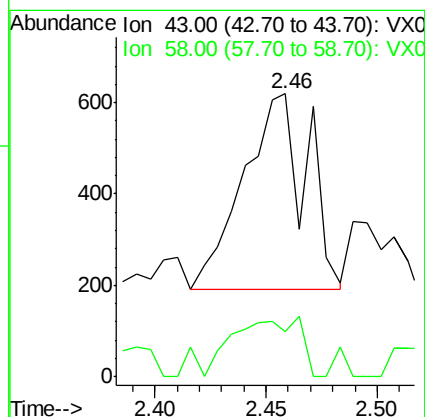
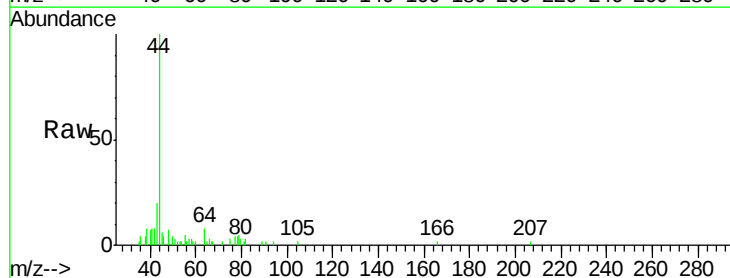
Acq: 01 Jun 2018 22:10

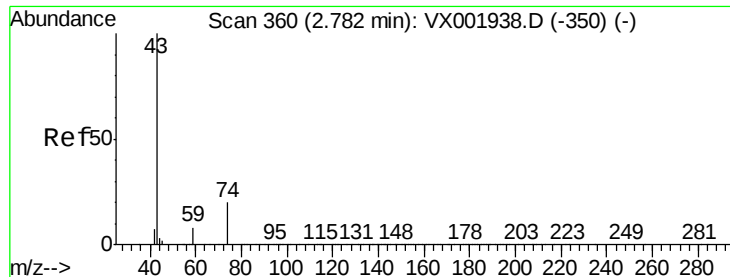
Tgt Ion: 43 Resp: 859

Ion Ratio Lower Upper

43 100

58 7.9 22.3 33.5#

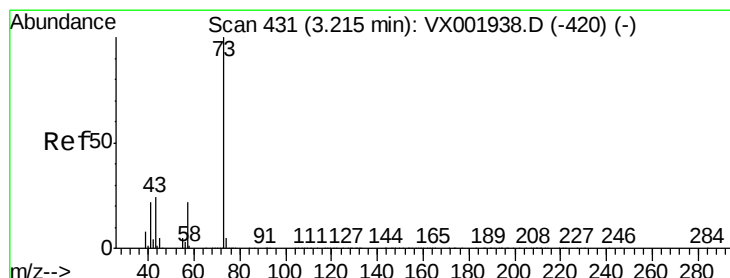
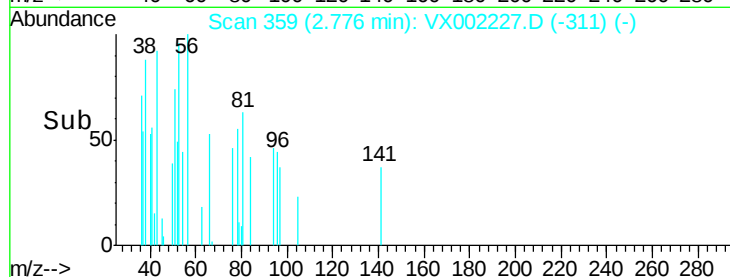
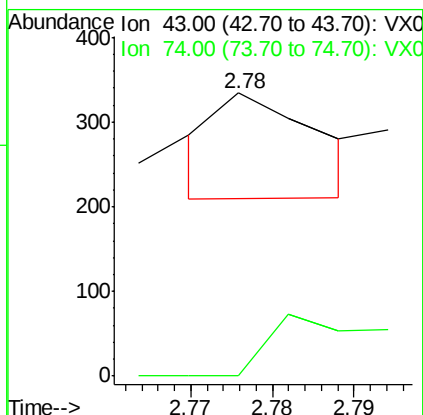
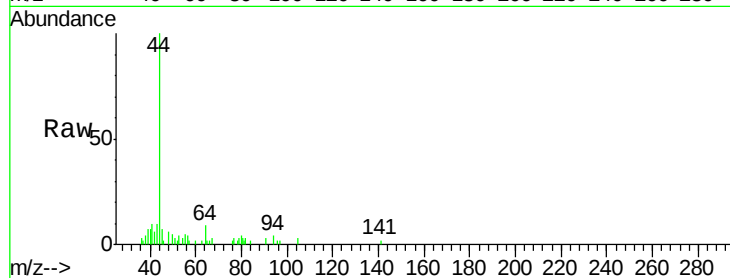




#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

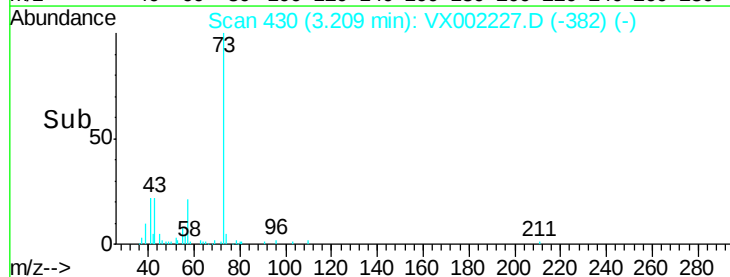
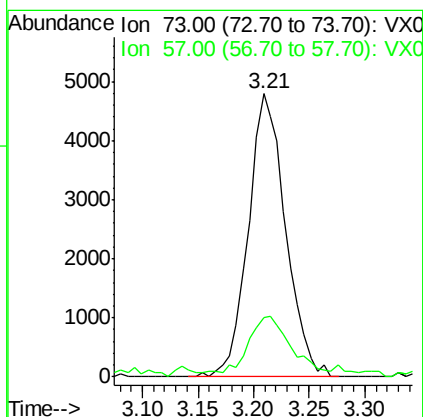
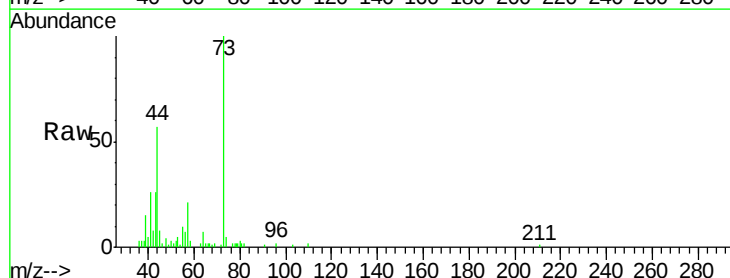
Instrument :
MSVOA_X
ClientSampleId :

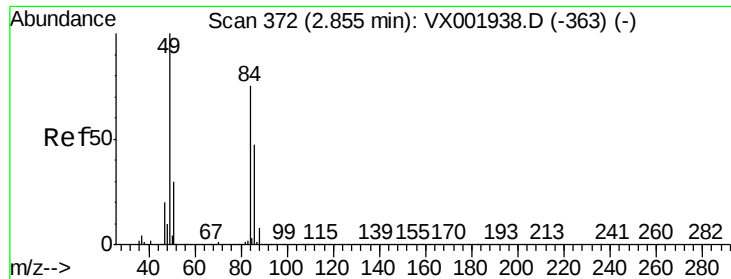
Tot Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
74 62.9 16.8 25.2#



#19
Methyl tert-butyl Ether
Concen: 1.12 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

Tgt Ion: 73 Resp: 11160
Ion Ratio Lower Upper
73 100
57 18.6 17.4 26.0

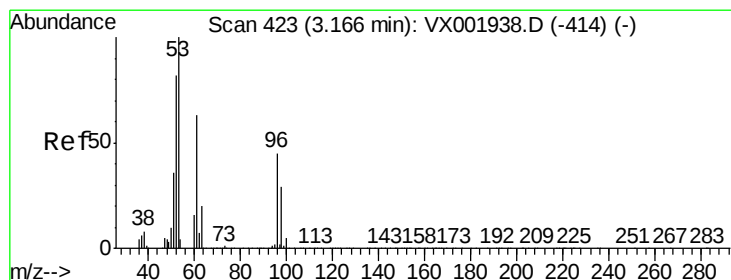
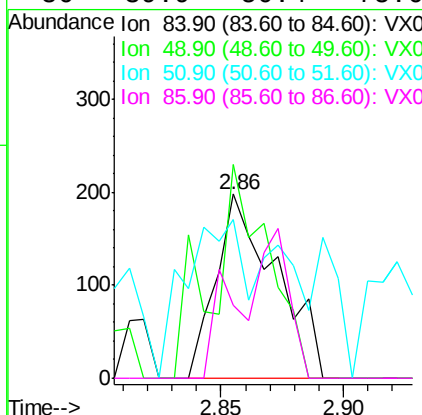
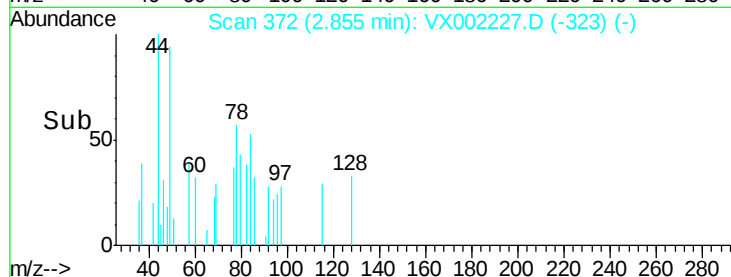
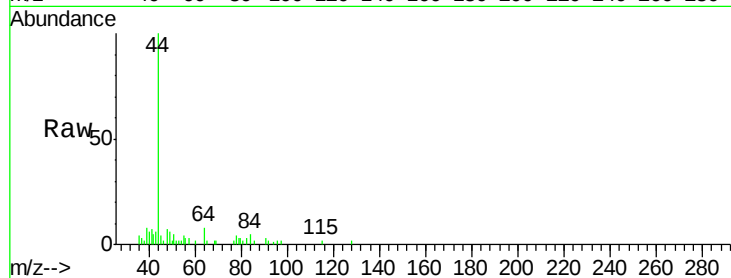




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

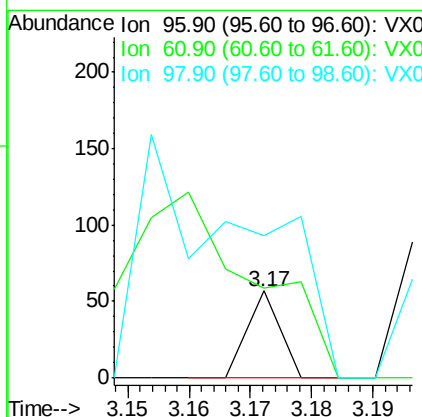
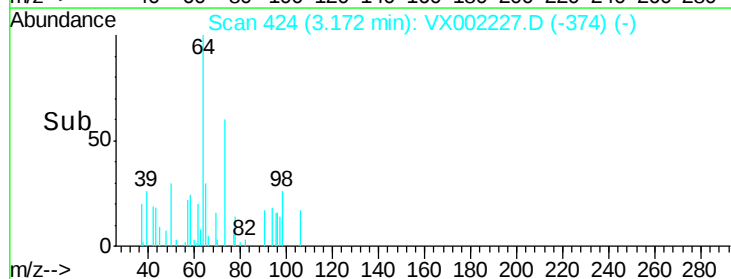
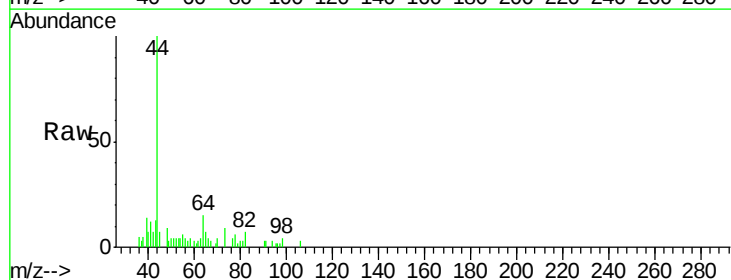
Instrument :
MSVOA_X
ClientSampleId :

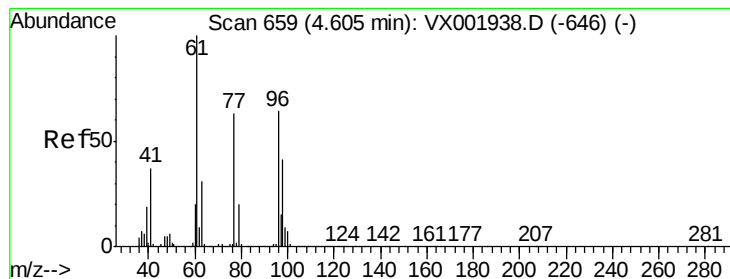
Tot Ion: 84 Resp: 339
Ion Ratio Lower Upper
84 100
49 116.2 107.2 160.8
51 37.9 32.4 48.6
86 39.9 50.4 75.6#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

Tgt Ion: 96 Resp: 21
Ion Ratio Lower Upper
96 100
61 103.5 113.3 169.9#
98 163.2 51.7 77.5#





#27

cis-1,2-Dichloroethene

Concen: 1.44 ua/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :
MSVOA_X
ClientSampled :

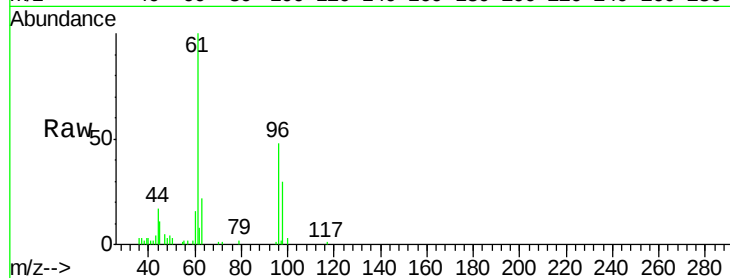
Tot Ion: 96 Resp: 4987

Ion Ratio Lower Upper

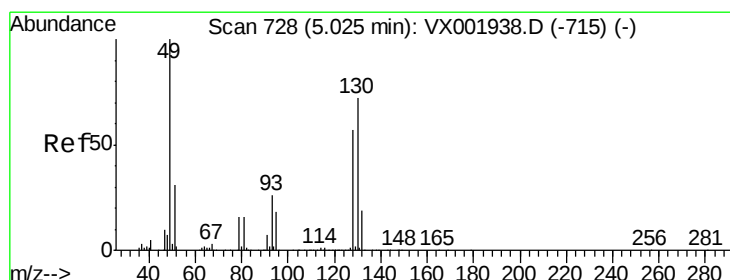
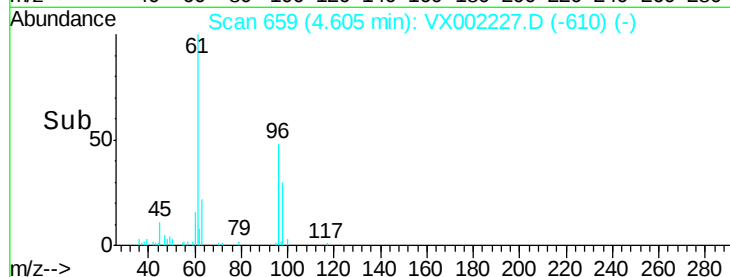
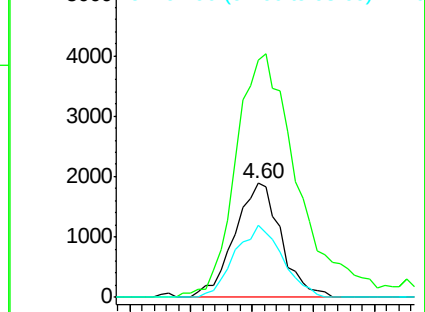
96 100

61 286.1 0.0 348.4

98 64.7 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: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

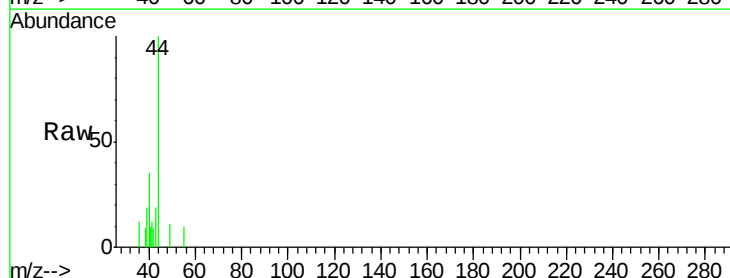
Tgt Ion: 49 Resp: 22

Ion Ratio Lower Upper

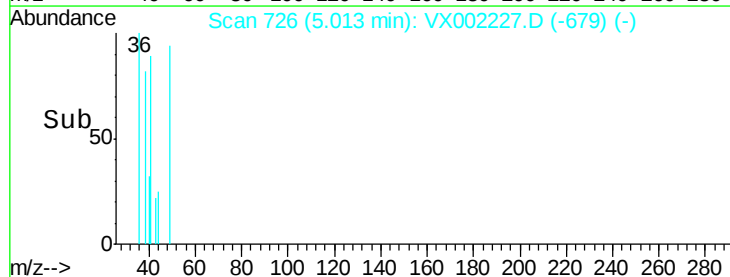
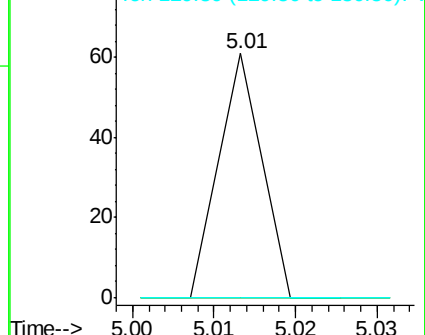
49 100

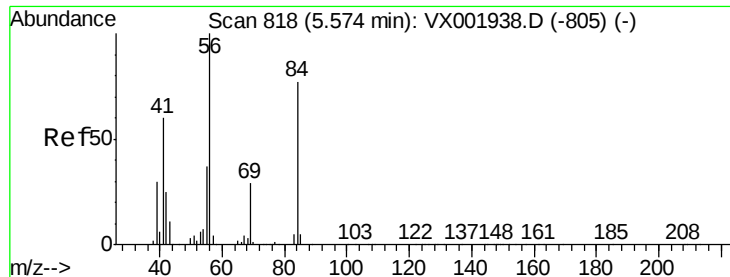
129 0.0 0.0 3.8

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

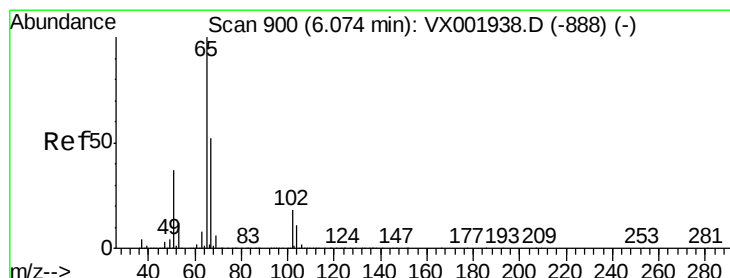
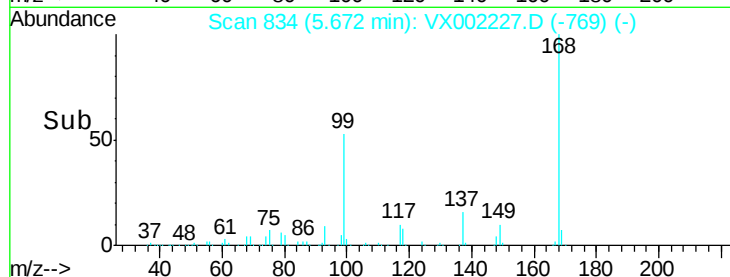
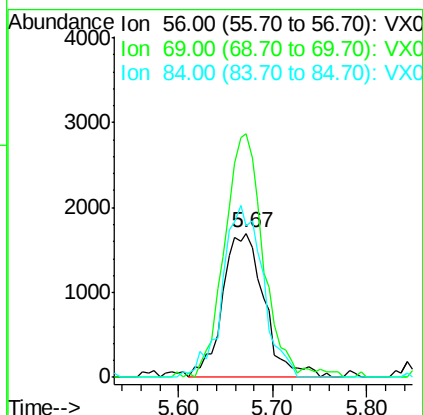
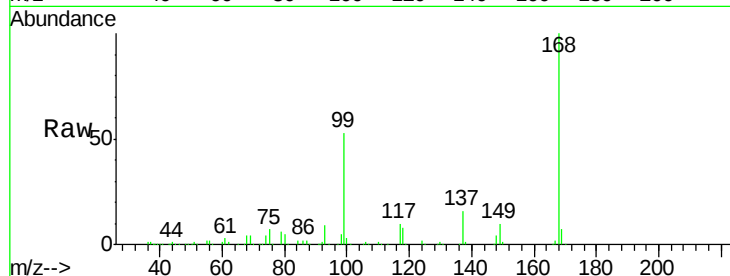




#31
Cyclohexane
Concen: 0.94 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

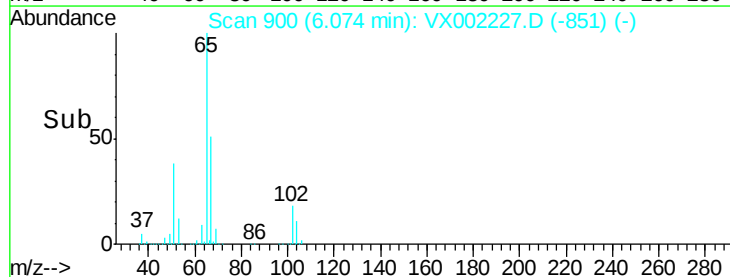
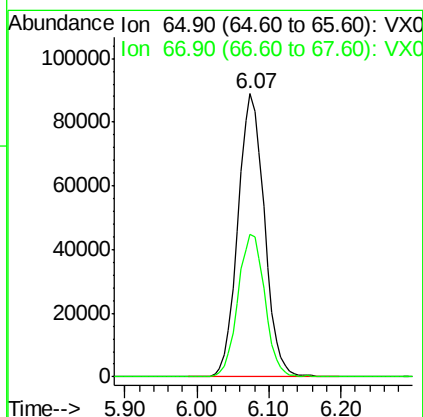
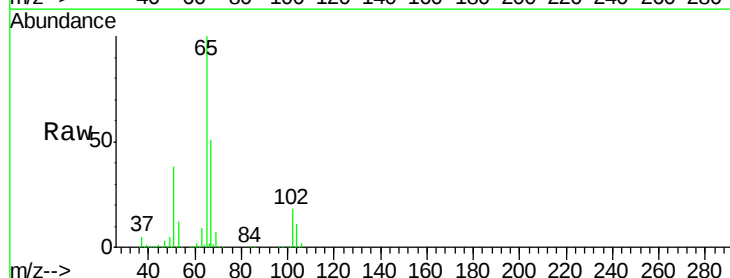
Instrument :
MSVOA_X
ClientSampled :

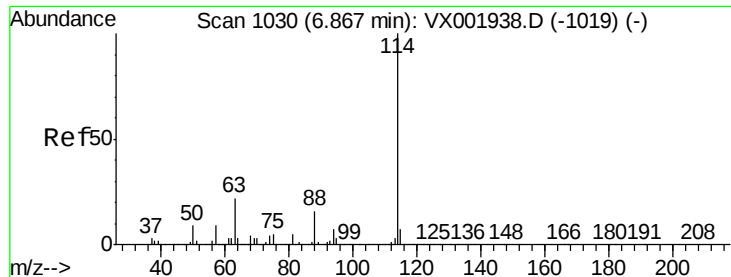
Tot Ion: 56 Resp: 5245
Ion Ratio Lower Upper
56 100
69 157.1 23.1 34.7#
84 99.6 62.0 93.0#



#33
1,2-Dichloroethane-d4
Concen: 55.85 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

Tgt Ion: 65 Resp: 227035
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0

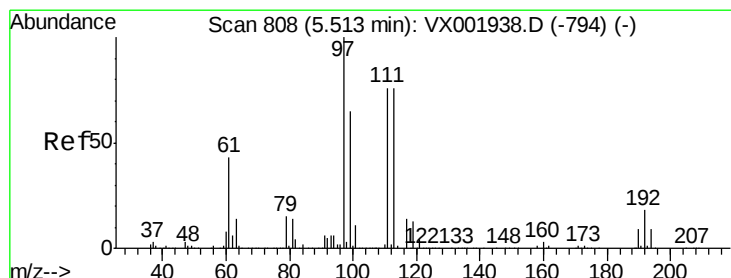
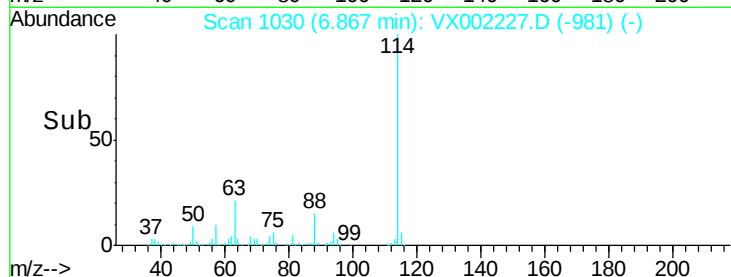
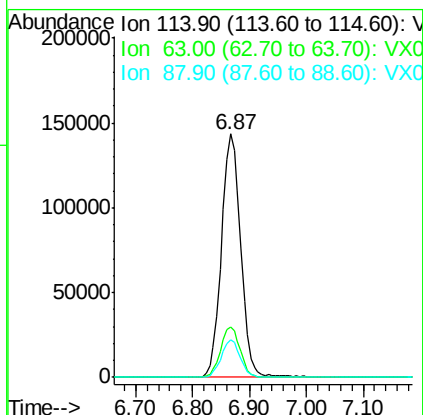
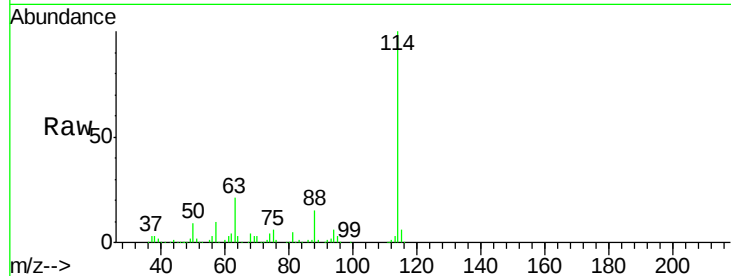




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002227.D
 Acq: 01 Jun 2018 22:10

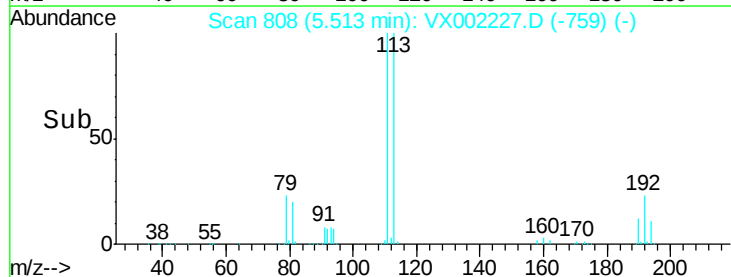
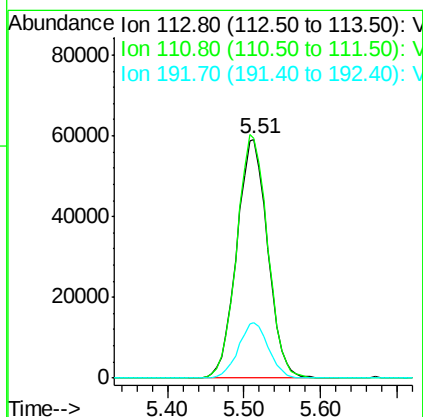
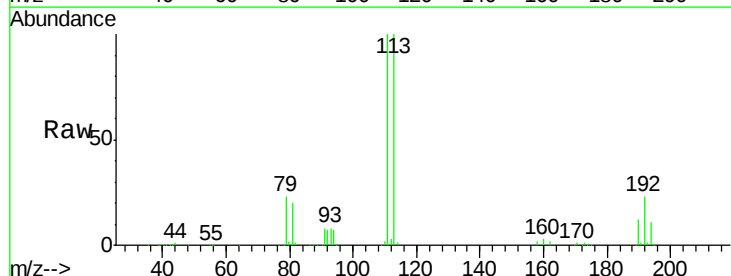
Instrument :
 MSVOA_X
 ClientSampleId :

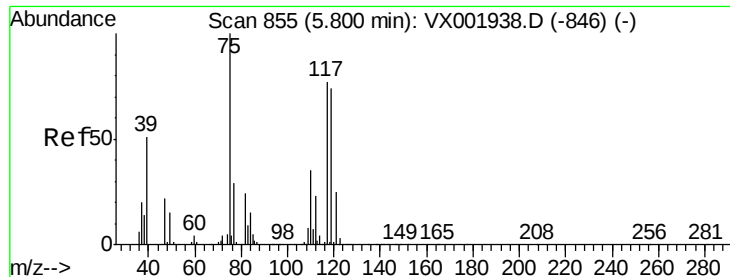
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	15.5	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 49.09 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX002227.D
 Acq: 01 Jun 2018 22:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	22.7	18.9	28.3

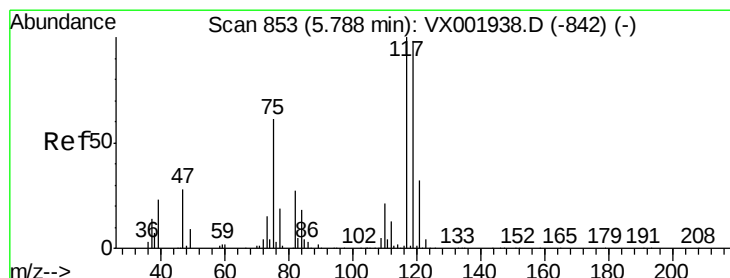
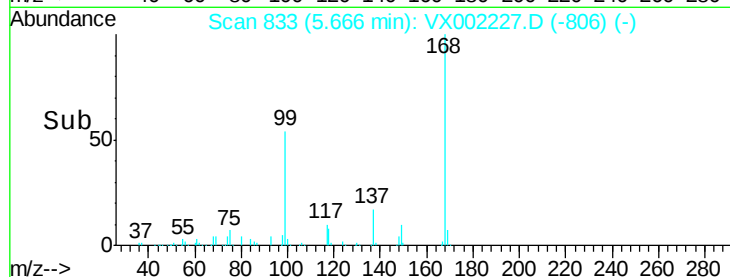
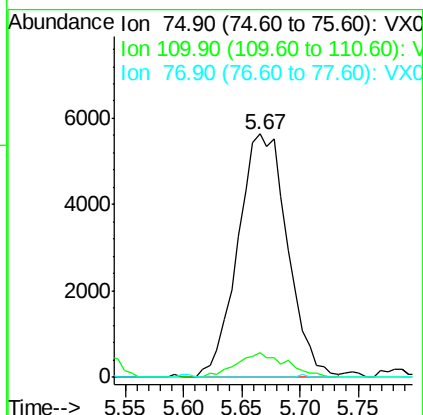
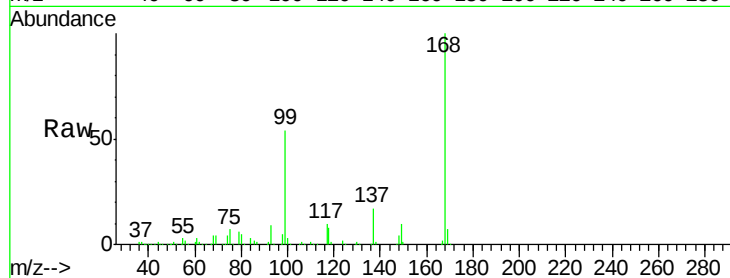




#36
 1,1-Dichloropropene
 Concen: 3.55 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002227.D
 Acq: 01 Jun 2018 22:10

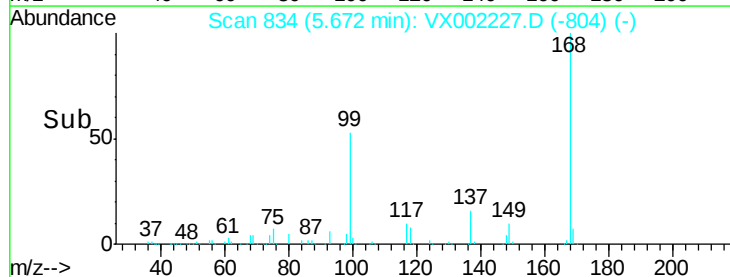
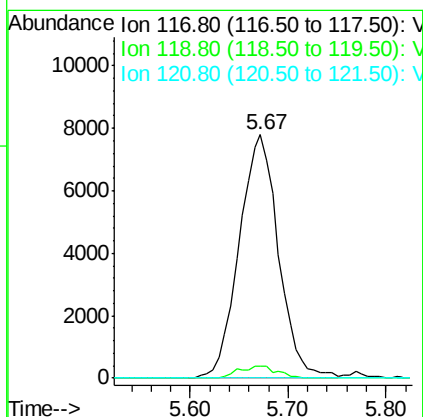
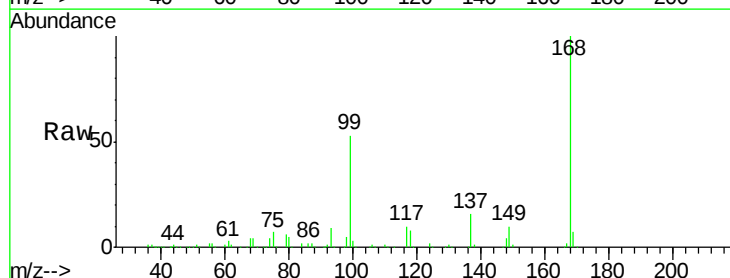
Instrument :
 MSVOA_X
 ClientSampleId :

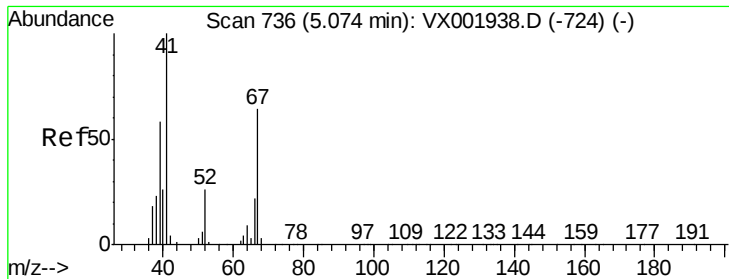
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.4	52.2#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.95 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002227.D
 Acq: 01 Jun 2018 22:10

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# 738

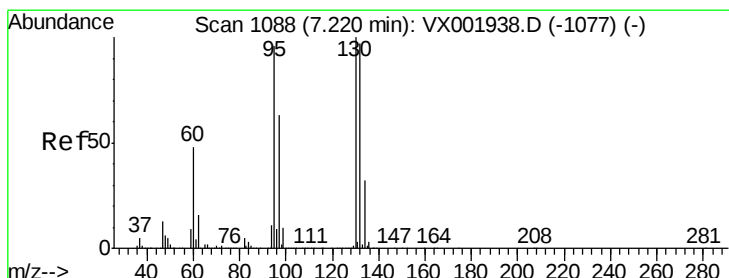
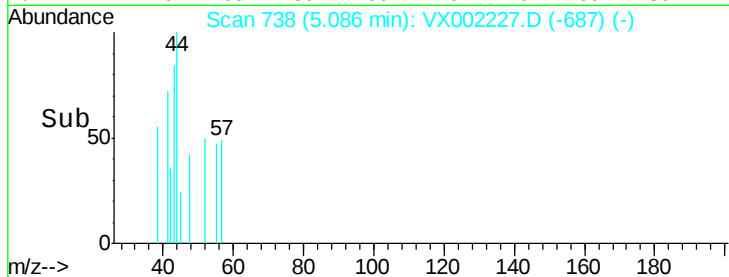
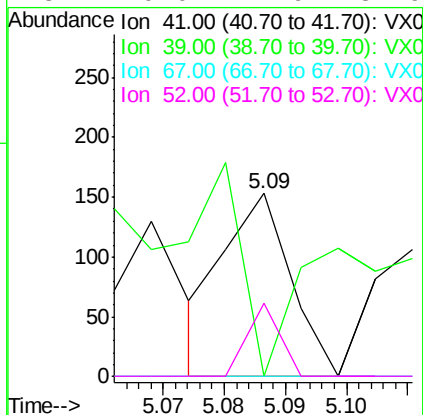
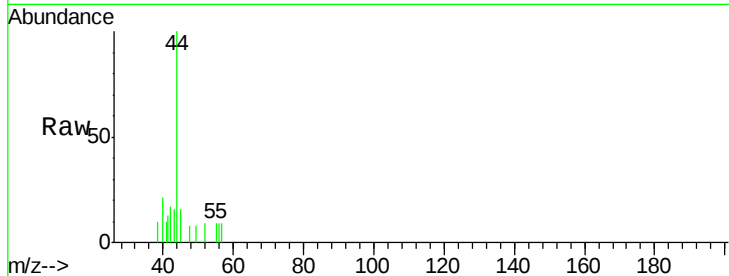
Delta R.T. 0.01 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	116
Ion	Ratio	Lower	Upper
41	100		
39	121.6	46.0	69.0#
67	0.0	50.6	75.8#
52	19.0	21.9	32.9#



#44

Trichloroethene

Concen: 0.94 ug/l

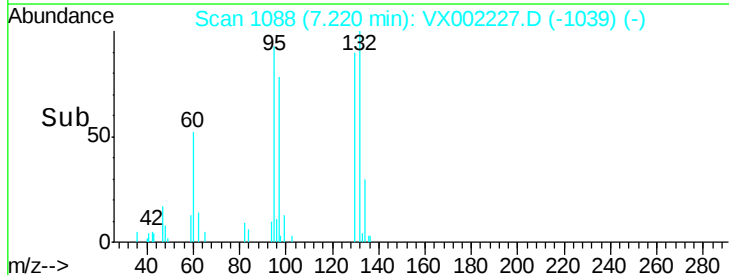
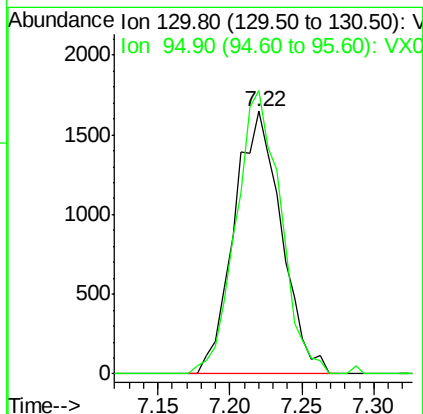
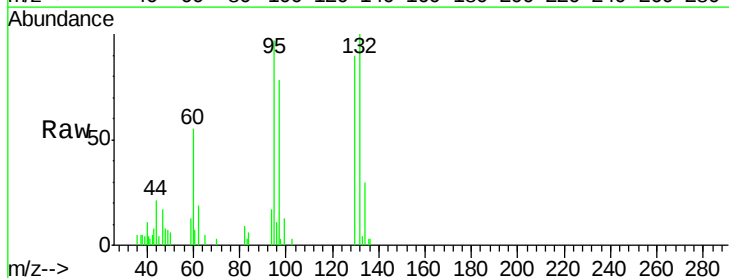
RT: 7.22 min Scan# 1088

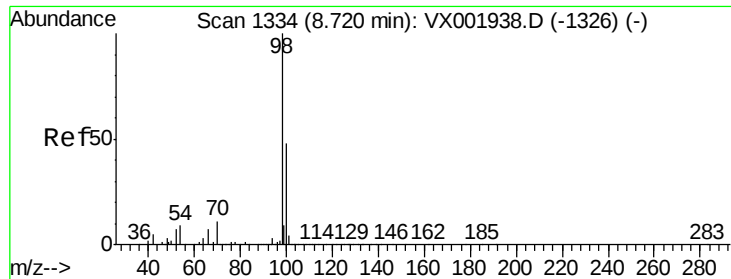
Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Tgt Ion:	130	Resp:	3762
Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	192.0

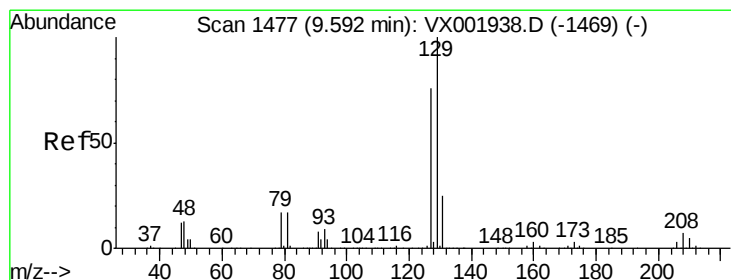
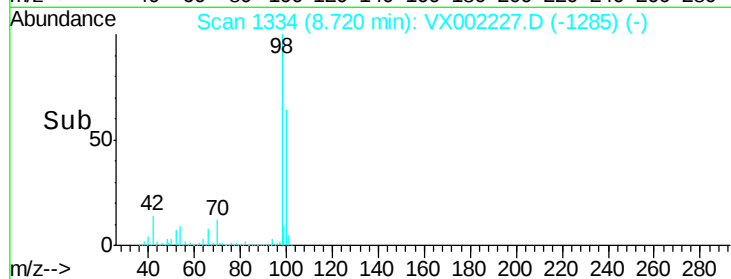
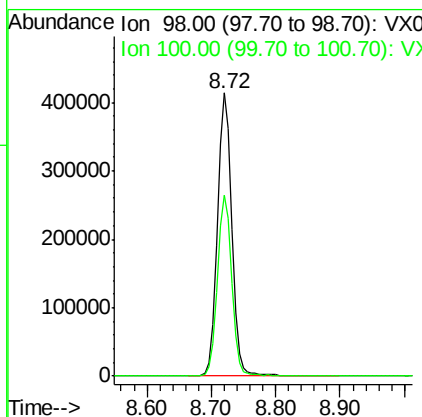
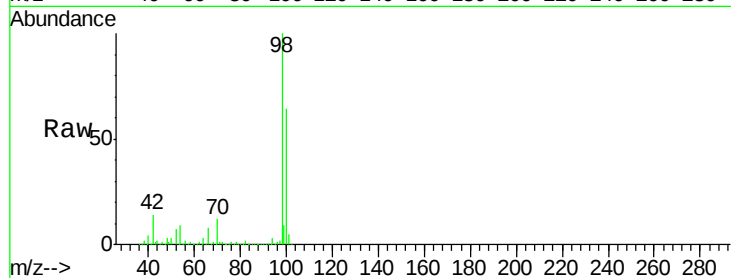




#50
Toluene-d8
Concen: 53.62 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

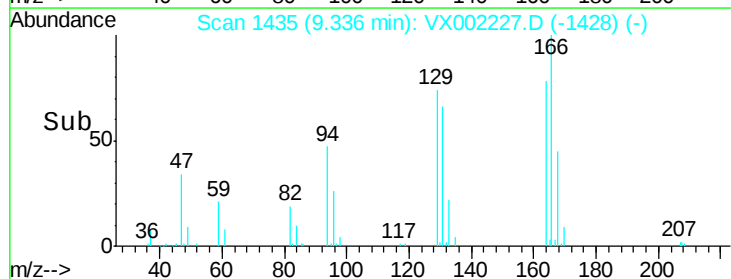
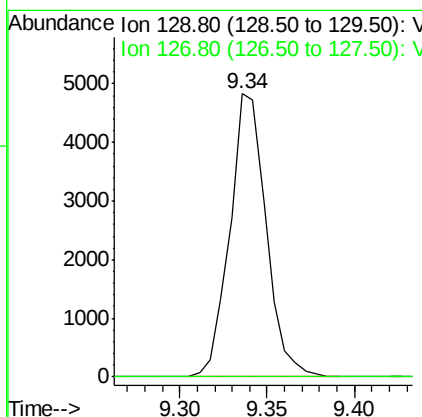
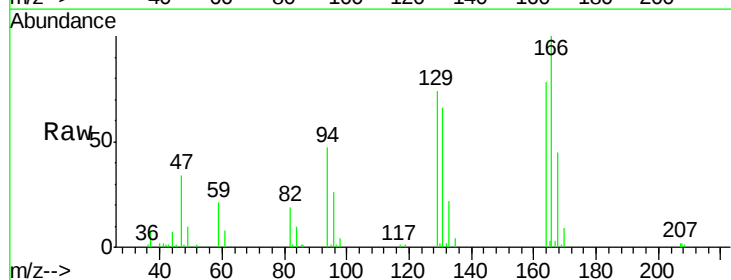
Instrument :
MSVOA_X
ClientSampled :

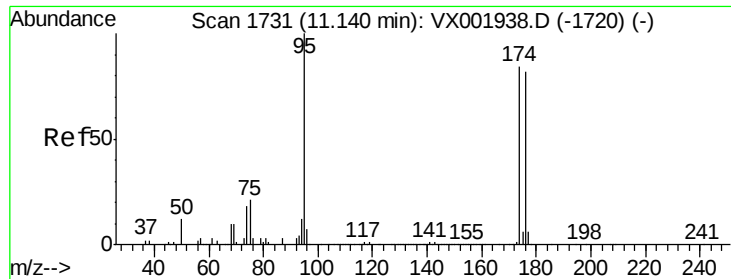
Tot Ion: 98 Resp: 656243
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#60
Dibromochloromethane
Concen: 1.61 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.26 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

Tgt Ion: 129 Resp: 6978
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

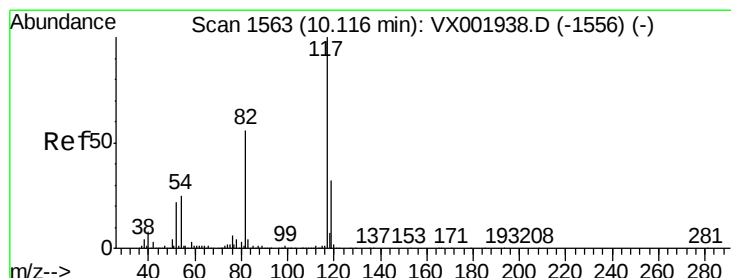
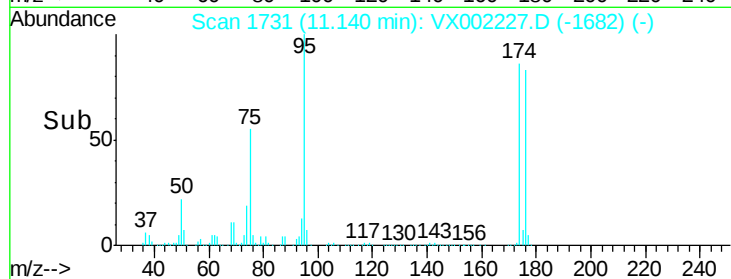
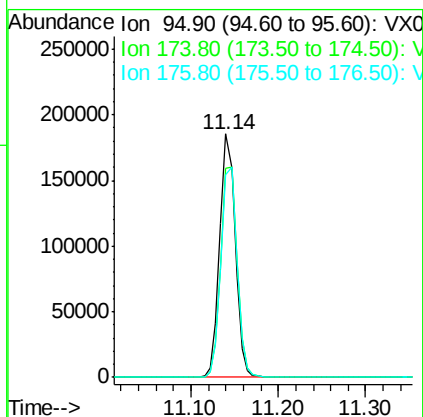
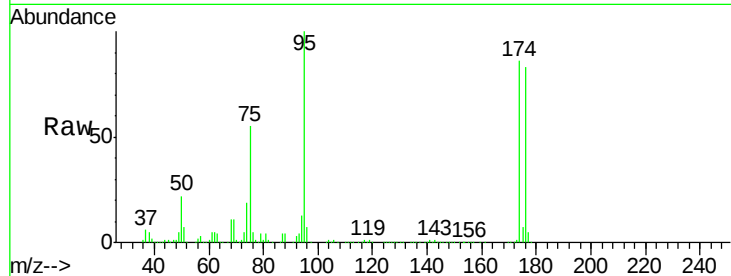




#62
4-Bromofluorobenzene
Concen: 47.42 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

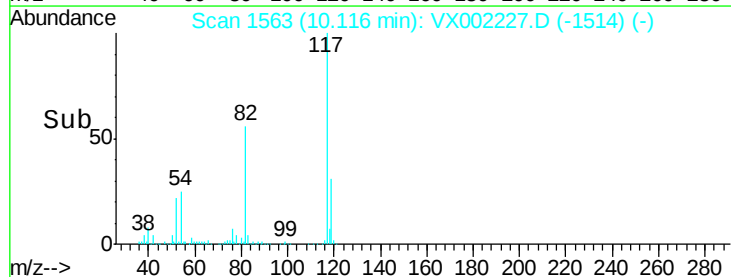
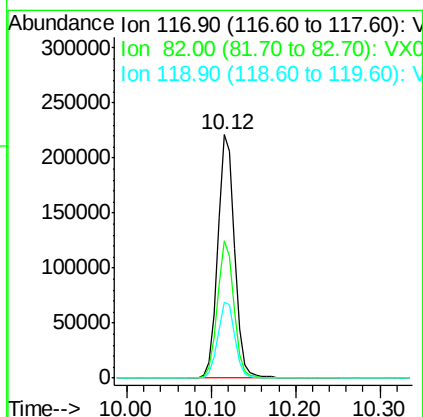
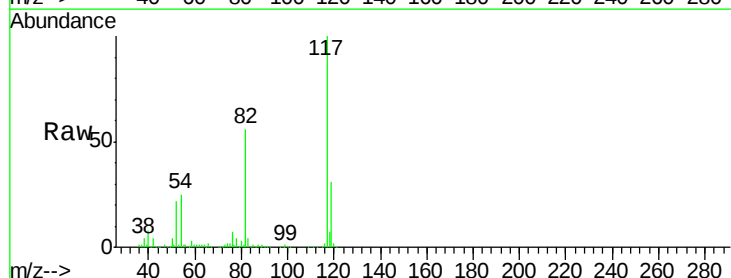
Instrument :
MSVOA_X
ClientSampleId :

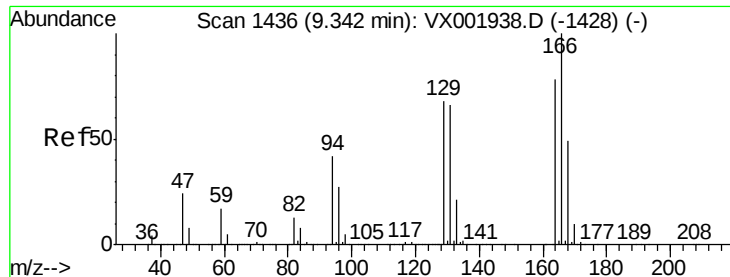
Tot Ion	95	Resp	227058
Ion Ratio	Lower	Upper	
95	100		
174	90.8	0.0	178.8
176	89.3	0.0	175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002227.D
Acq: 01 Jun 2018 22:10

Tgt Ion	117	Resp	306540
Ion Ratio	Lower	Upper	
117	100		
82	56.2	44.8	67.2
119	31.4	25.5	38.3





#64

Tetrachloroethene

Concen: 1.74 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 7634

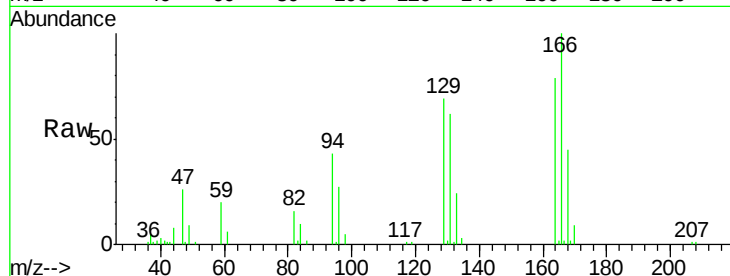
Ion Ratio Lower Upper

164 100

166 126.0 102.7 154.1

129 87.1 70.3 105.5

131 78.3 68.2 102.4



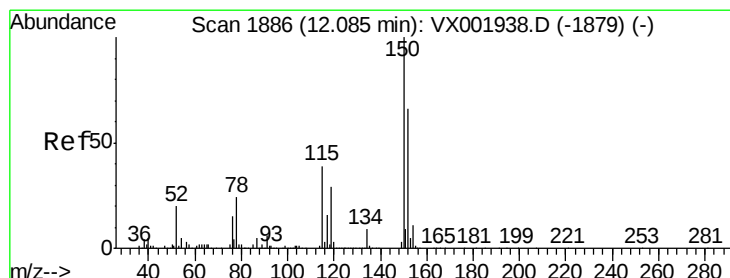
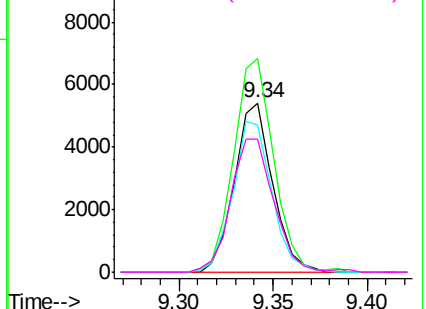
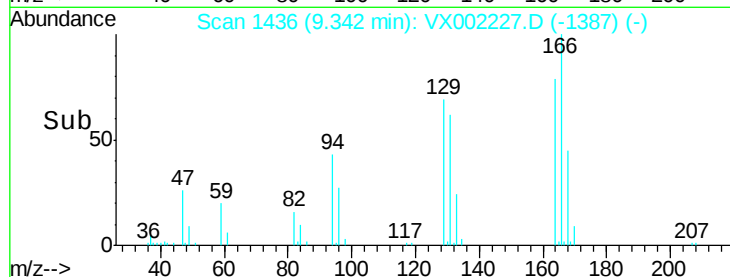
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX002227.D

Acq: 01 Jun 2018 22:10

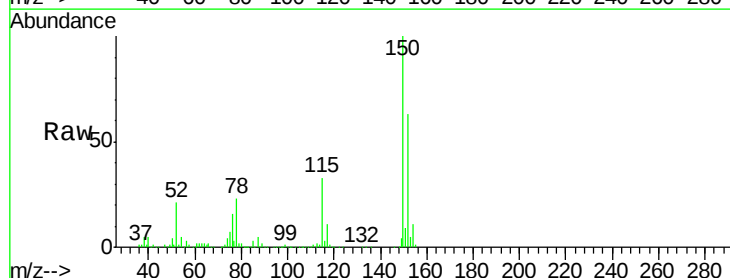
Tgt Ion:152 Resp: 165379

Ion Ratio Lower Upper

152 100

115 54.5 42.3 126.8

150 155.7 0.0 351.0

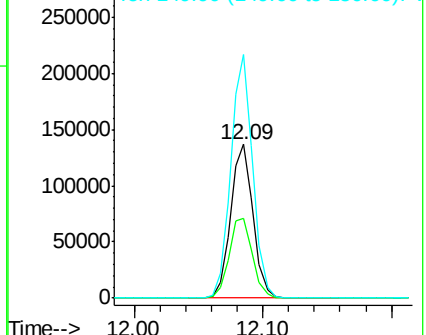
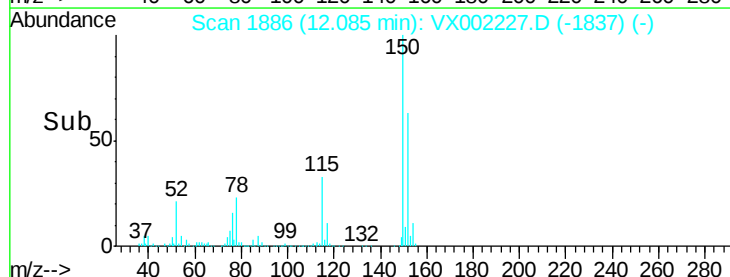


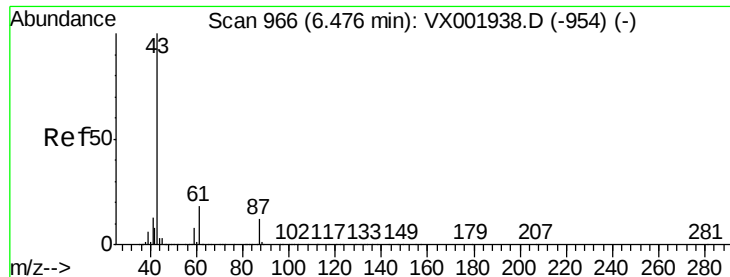
Abundance

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-amvl acetate

Concen: Below Cal

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 216

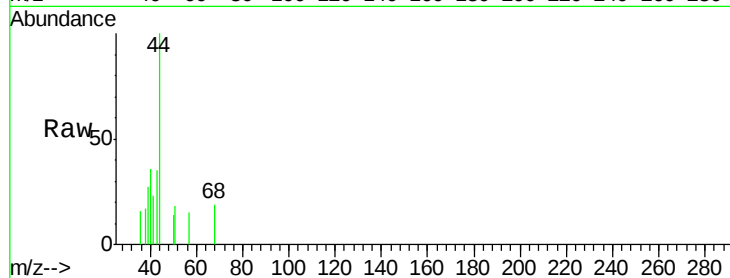
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 9.3 0.1 0.1#

61 0.0 14.5 21.7#

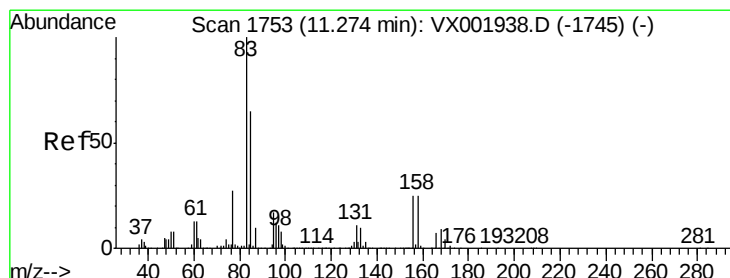
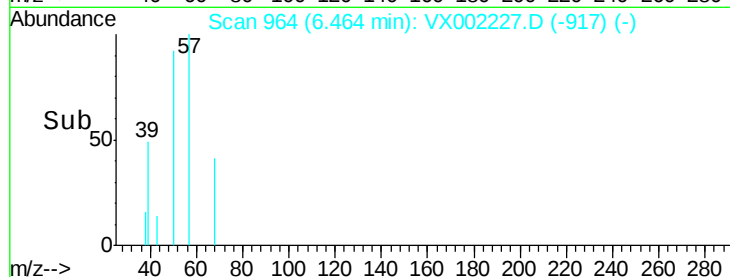
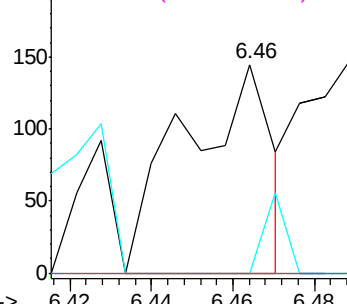


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 11.14 min Scan# 1731

Delta R.T. -0.13 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

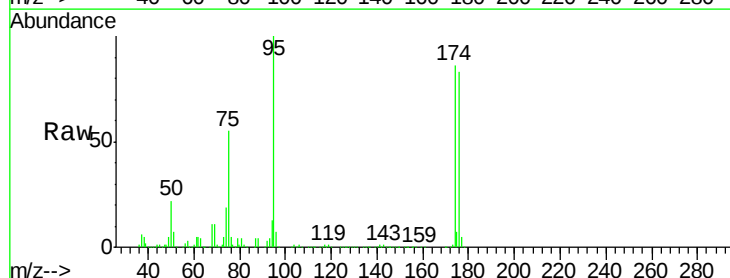
Tgt Ion: 83 Resp: 281

Ion Ratio Lower Upper

83 100

131 149.8 5.7 17.0#

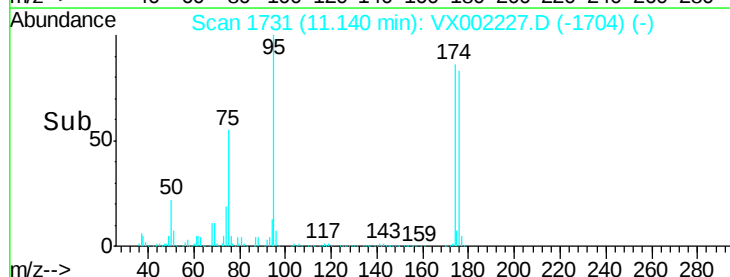
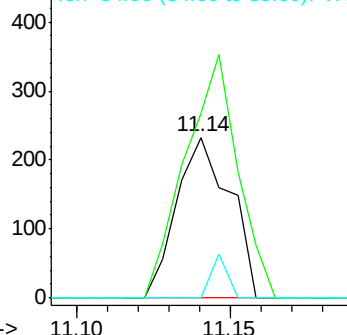
85 8.2 32.6 97.7#

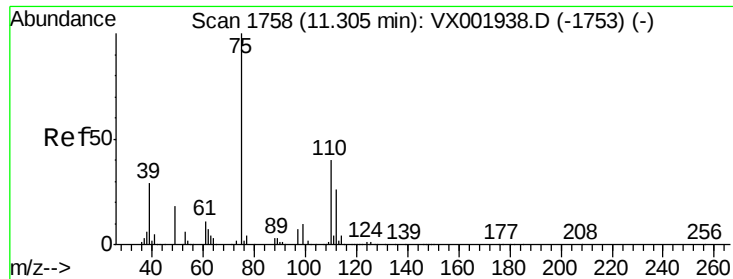


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

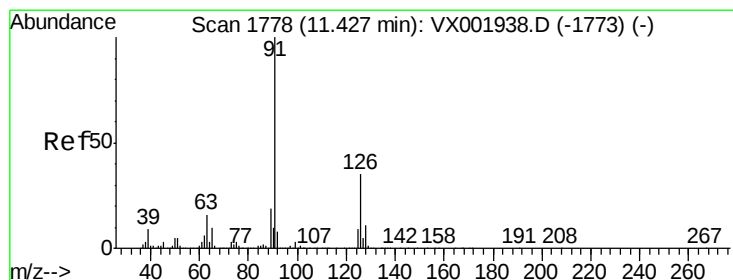
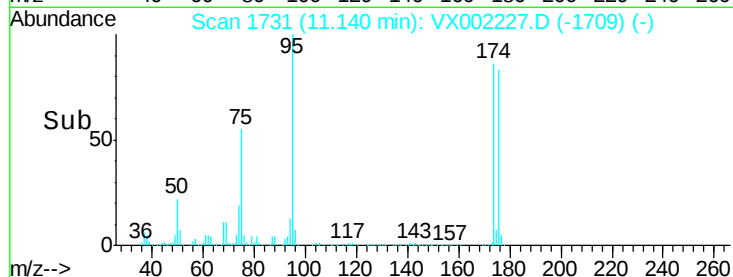
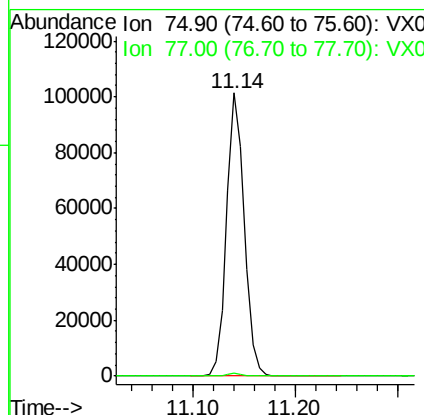
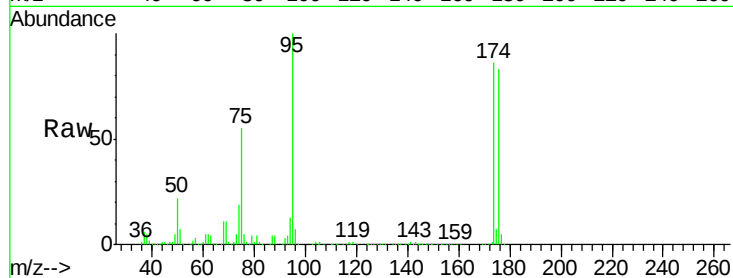




#76
 1,2,3-Trichloropropane
 Concen: 30.77 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002227.D
 Acq: 01 Jun 2018 22:10

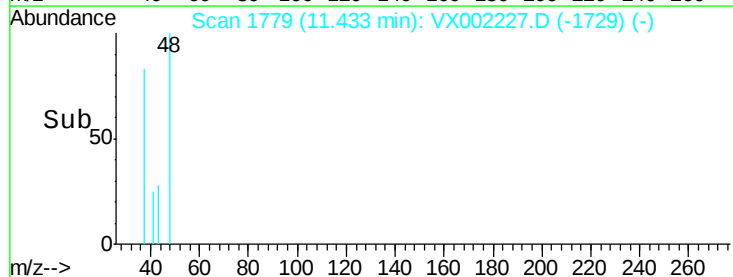
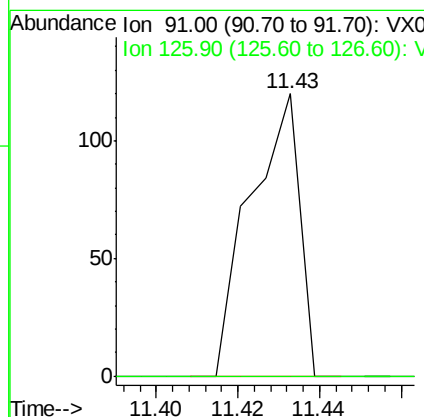
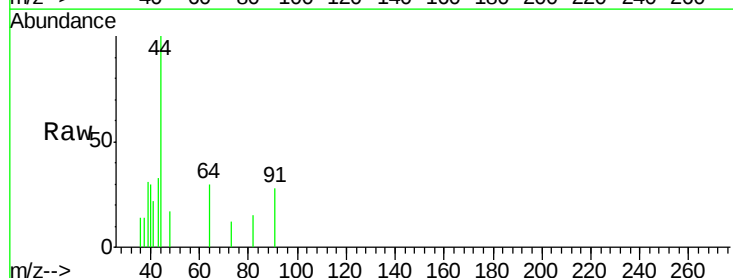
Instrument :
 MSVOA_X
 ClientSampleId :

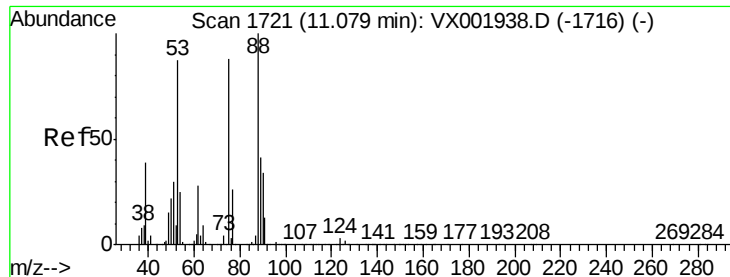
Tot Ion: 75 Resp: 122223
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.43 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX002227.D
 Acq: 01 Jun 2018 22:10

Tgt Ion: 91 Resp: 101
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002227.D

Acq: 01 Jun 2018 22:10

Instrument :

MSVOA_X

ClientSampleId :

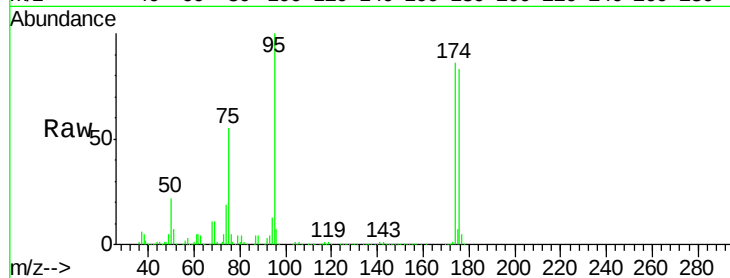
Tot Ion: 75 Resp: 122223

Ion Ratio Lower Upper

75 100

53 0.0 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

