

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX053118\
 Data File : VX002202.D
 Acq On : 01 Jun 2018 06:56
 Operator : JC/MD
 Sample : J3119-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 01 07:34:10 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	274394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	401419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	216394	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	229399	46.77	ug/l	0.00
Spiked Amount						
			Recovery	=	93.54%	
35) Dibromofluoromethane	5.50	113	168748	42.04	ug/l	-0.01
Spiked Amount						
			Recovery	=	84.08%	
50) Toluene-d8	8.72	98	672030	46.24	ug/l	0.00
Spiked Amount						
			Recovery	=	92.48%	
62) 4-Bromofluorobenzene	11.14	95	247642	43.55	ug/l	0.00
Spiked Amount						
			Recovery	=	87.10%	

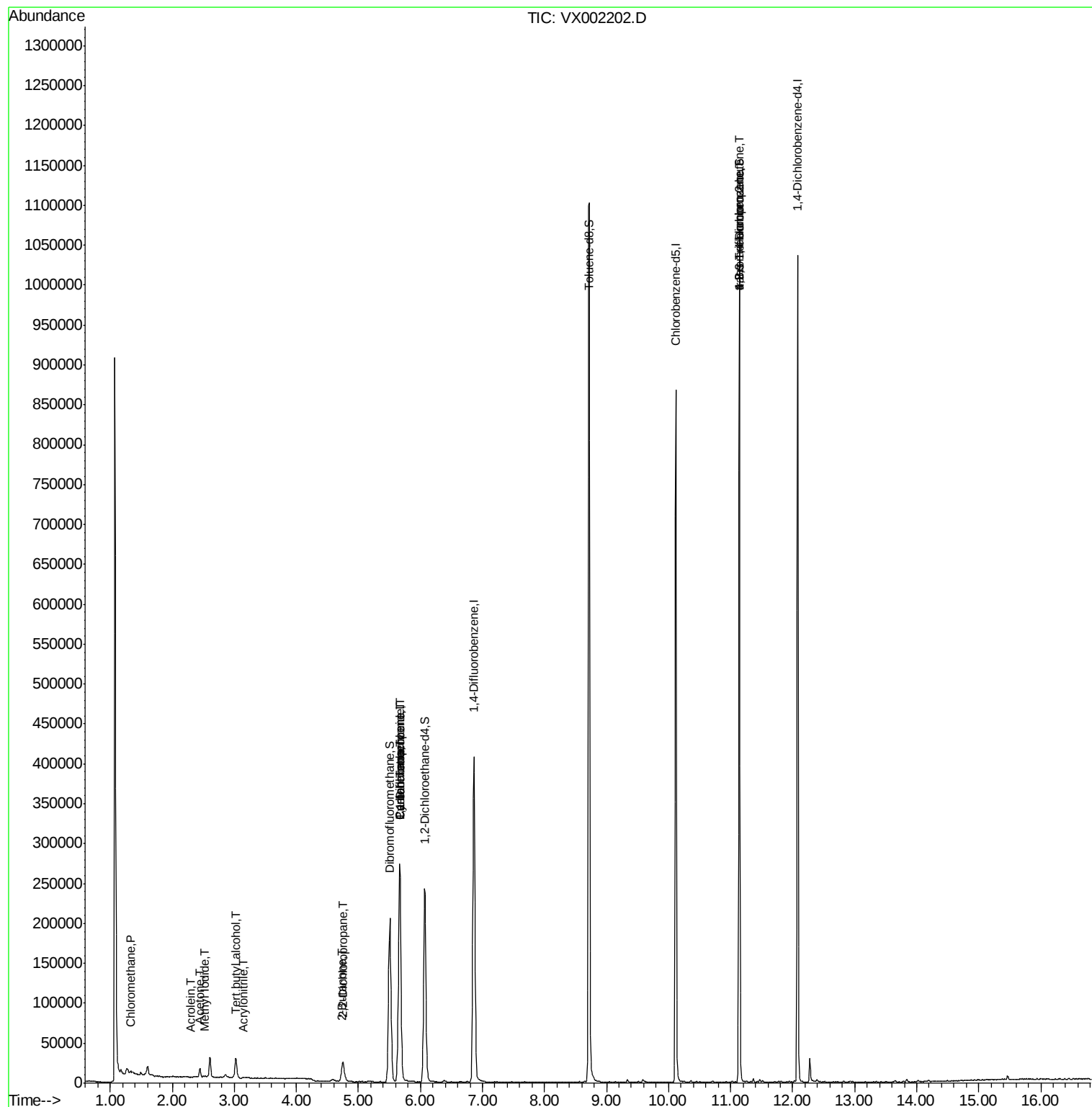
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	109	Below Cal	#	41
3) Chloromethane	1.33	50	973	0.23	ug/l	97
5) Bromomethane	1.65	94	631	Below Cal		88
10) Methyl Iodide	2.53	142	2316	0.50	ug/l	# 82
11) Tert butyl alcohol	3.03	59	15961	16.58	ug/l	# 81
13) Acrolein	2.30	56	402	0.97	ug/l	# 39
15) Acrylonitrile	3.14	53	618	0.31	ug/l	# 63
16) Acetone	2.44	43	11900	6.29	ug/l	97
18) Methyl Acetate	2.78	43	678	Below Cal	#	77
20) Methylene Chloride	2.86	84	1693	Below Cal	#	82
21) trans-1,2-Dichloroethene	3.18	96	288	Below Cal	#	48
25) 2-Butanone	4.73	43	1991	0.57	ug/l	# 78
26) 2,2-Dichloropropane	4.75	77	1369	0.21	ug/l	# 53
28) Bromochloromethane	5.01	49	119	Below Cal	#	39
31) Cyclohexane	5.66	56	6041	0.89	ug/l	# 8
36) 1,1-Dichloropropene	5.67	75	19082	3.42	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	25716	3.95	ug/l	# 15
41) Methacrylonitrile	5.06	41	88	Below Cal	#	1
74) N-amyl acetate	6.48	43	249	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.27	83	48	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	132760	25.54	ug/l	# 32
79) 2-Chlorotoluene	11.51	91	624	Below Cal		90
81) trans-1,4-Dichloro-2-buten	11.14	75	132760	61.39	ug/l	# 10

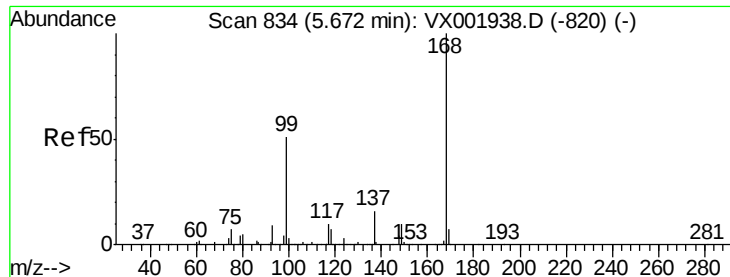
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 833

Delta R.T. -0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :

MSVOA_X

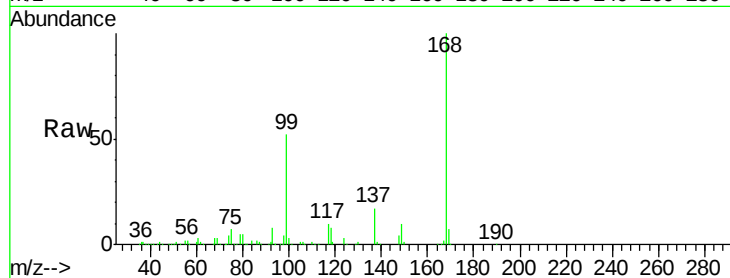
ClientSampleId :

Tot Ion:168 Resp: 274394

Ion Ratio Lower Upper

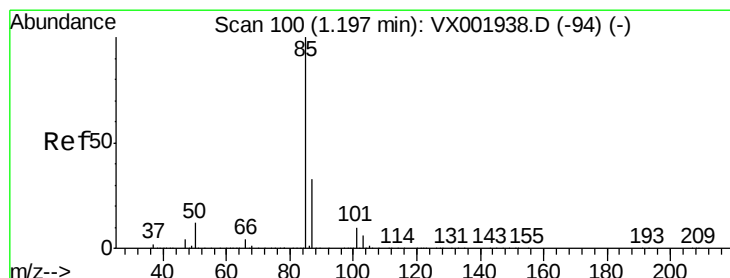
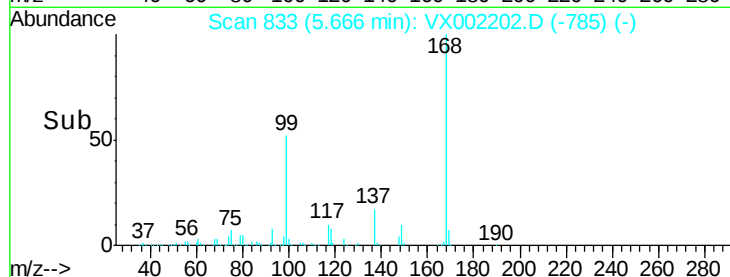
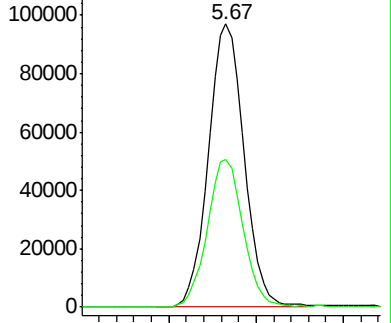
168 100

99 52.0 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: VX002202.D

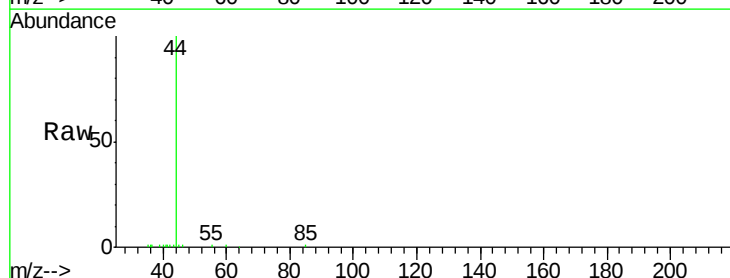
Acq: 01 Jun 2018 06:56

Tgt Ion: 85 Resp: 109

Ion Ratio Lower Upper

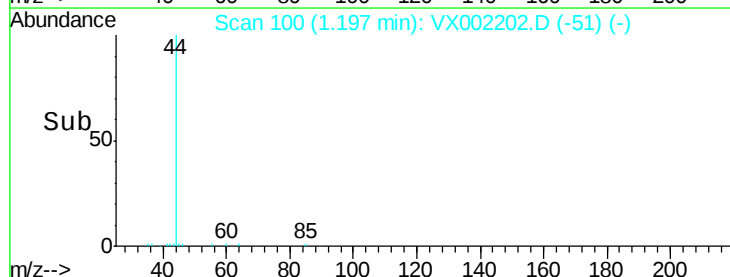
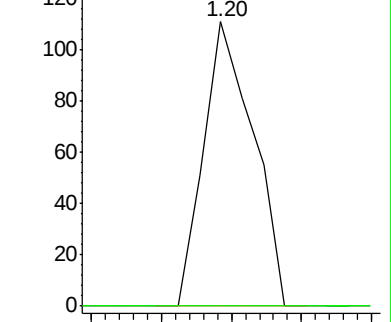
85 100

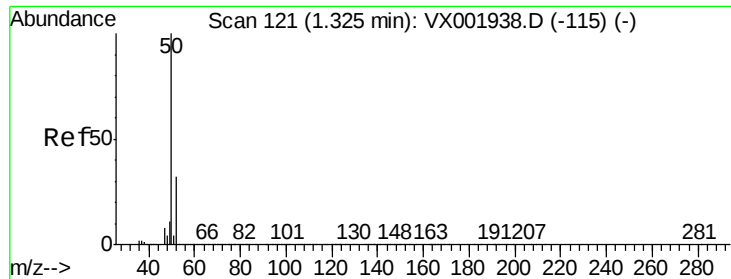
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :

MSVOA_X

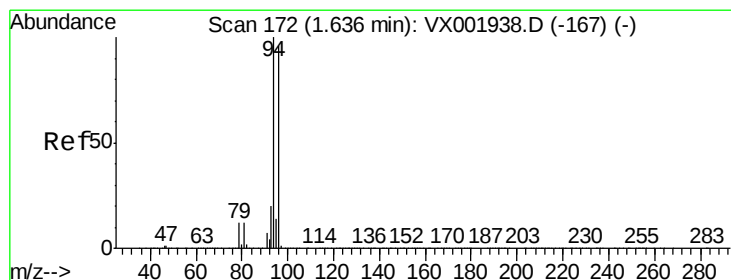
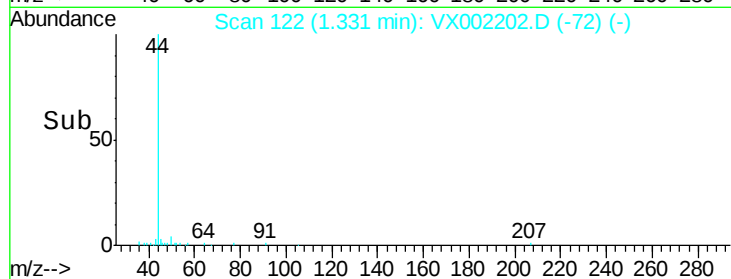
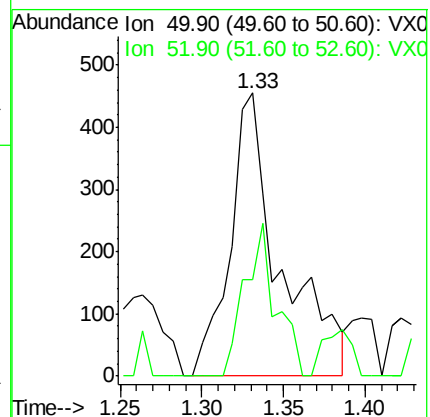
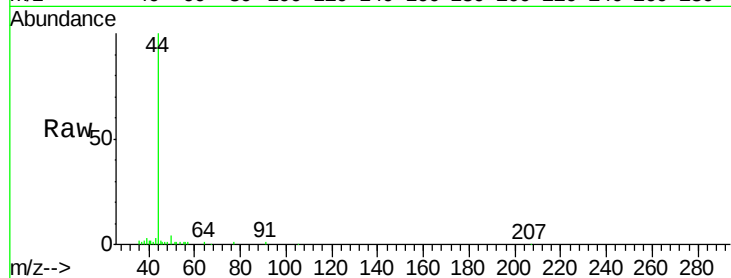
ClientSampled :

Tot Ion: 50 Resp: 973

Ion Ratio Lower Upper

50 100

52 34.1 26.0 39.0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002202.D

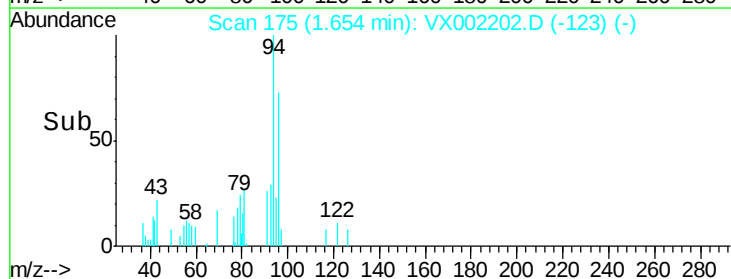
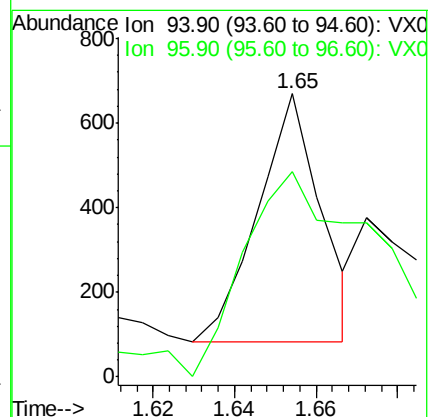
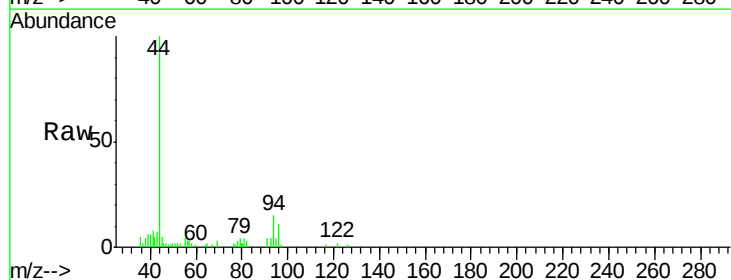
Acq: 01 Jun 2018 06:56

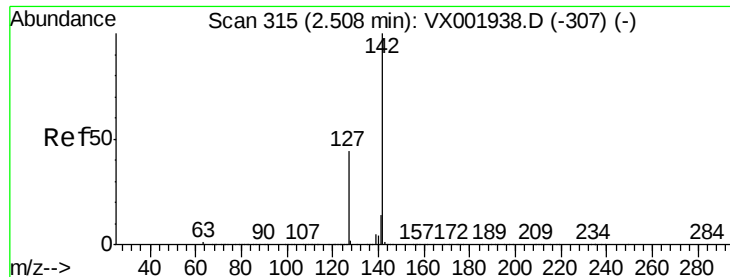
Tgt Ion: 94 Resp: 631

Ion Ratio Lower Upper

94 100

96 83.1 75.9 113.9

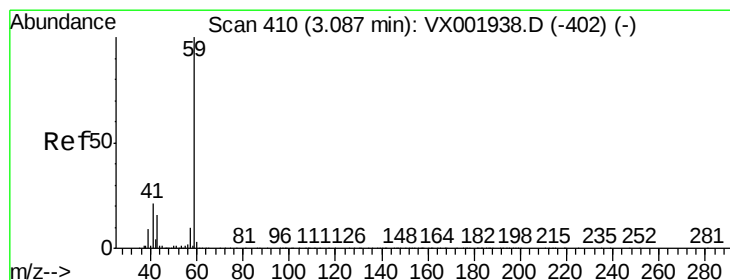
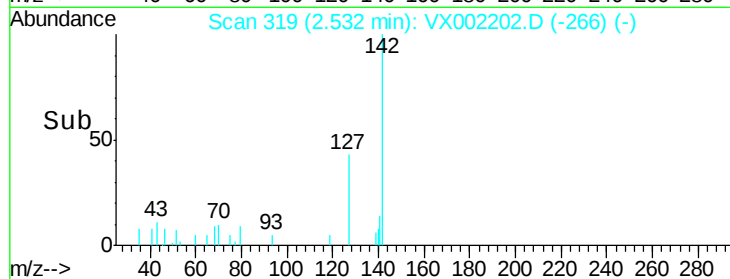
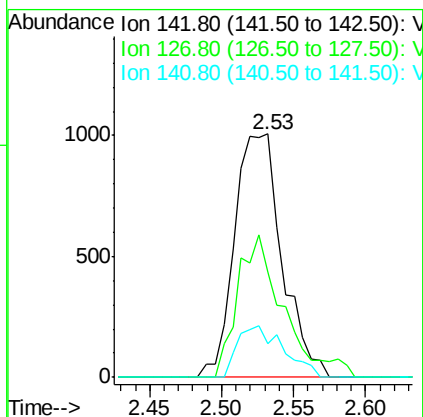
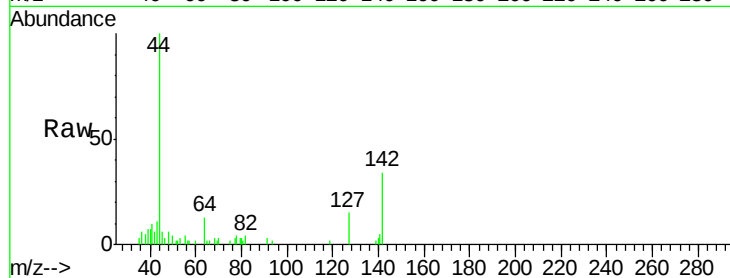




#10
Methvl Iodide
Concen: 0.50 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

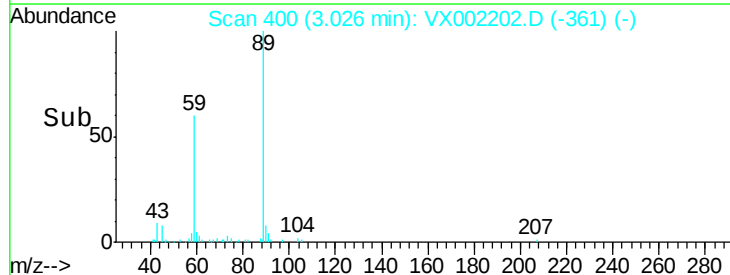
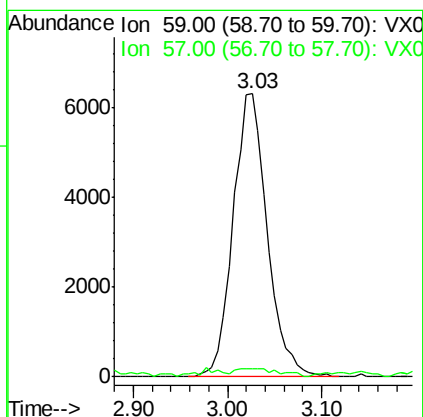
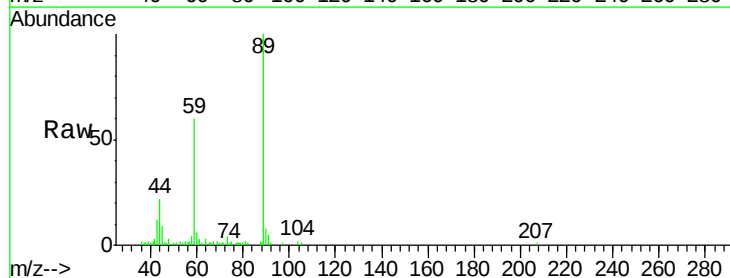
Instrument :
MSVOA_X
ClientSampled :

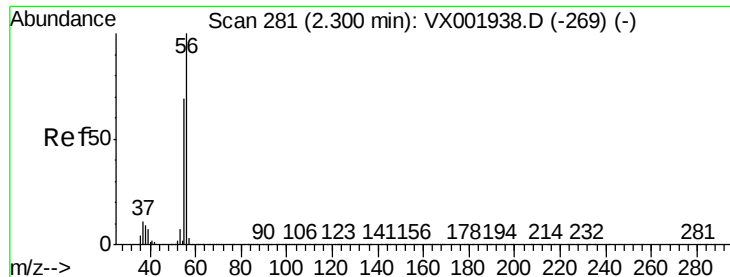
Tot Ion:142 Resp: 2316
Ion Ratio Lower Upper
142 100
127 56.4 35.5 53.3#
141 20.5 11.3 16.9#



#11
Tert butyl alcohol
Concen: 16.58 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

Tgt Ion: 59 Resp: 15961
Ion Ratio Lower Upper
59 100
57 3.8 8.9 13.3#





#13

Acrolein

Concen: 0.97 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

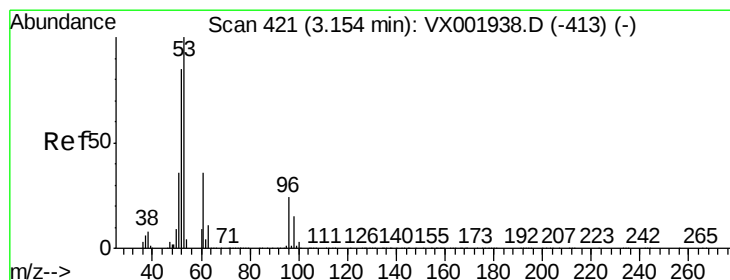
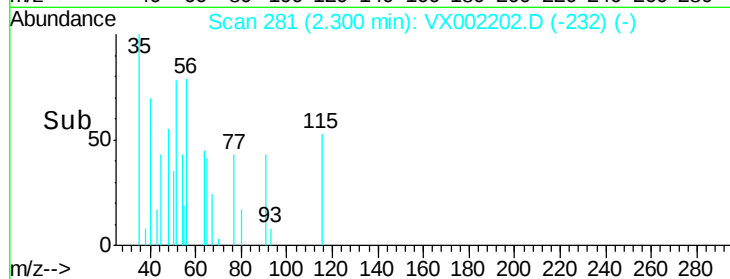
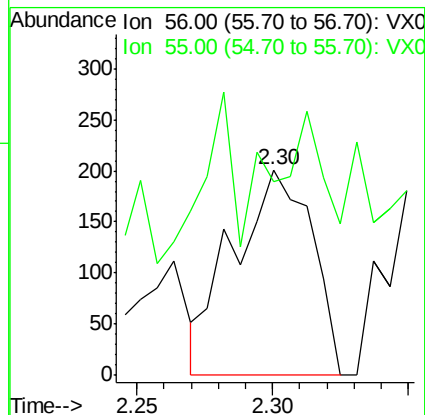
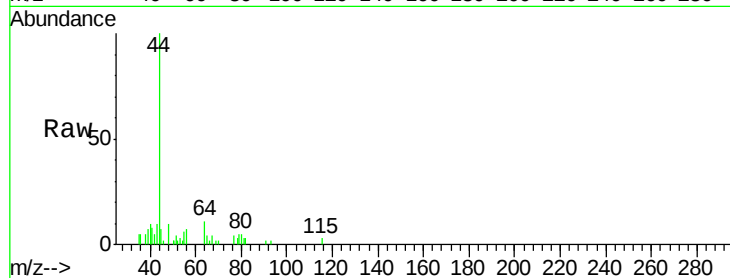
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 402

Ion Ratio Lower Upper

56 100

55 20.4 56.8 85.2#



#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

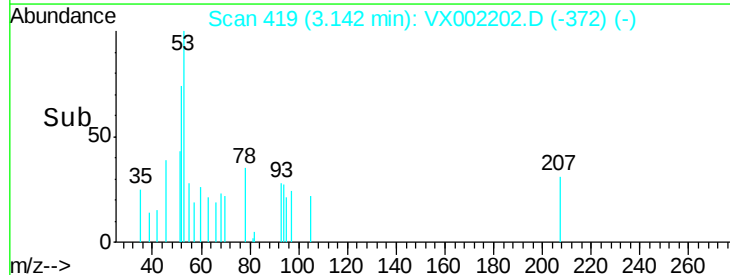
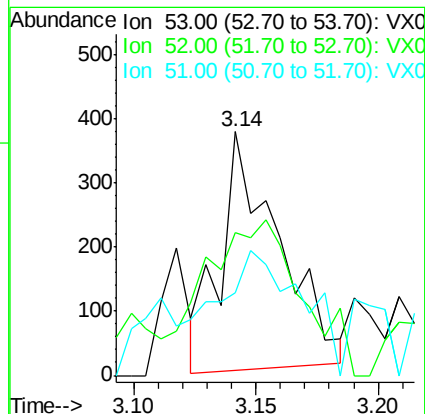
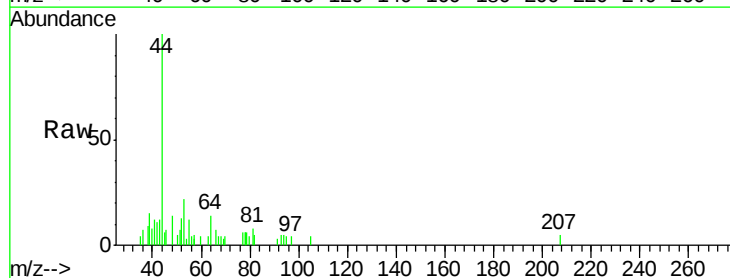
Tgt Ion: 53 Resp: 618

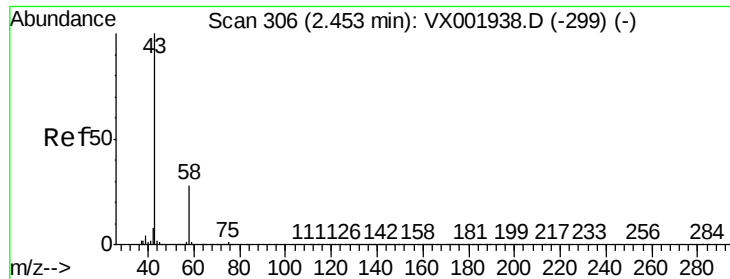
Ion Ratio Lower Upper

53 100

52 107.3 66.4 99.6#

51 72.3 29.3 43.9#





#16

Acetone

Concen: 6.29 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

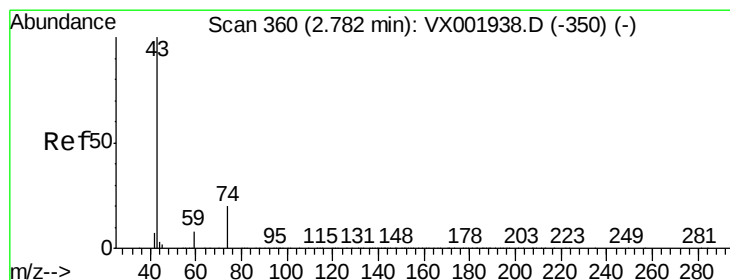
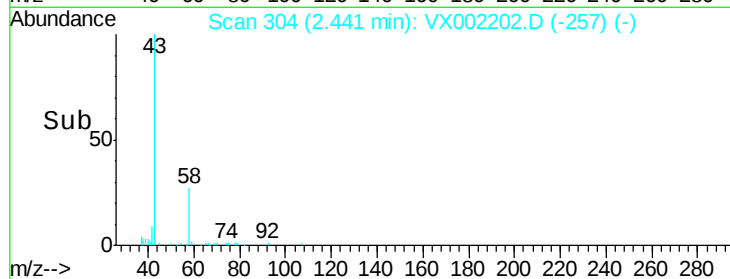
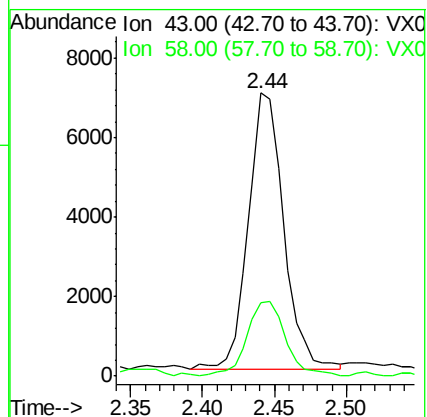
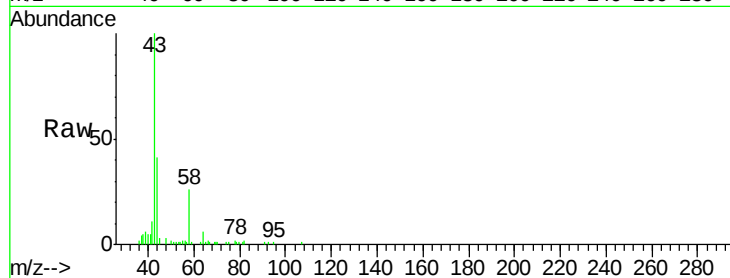
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 11900

Ion Ratio Lower Upper

43 100

58 26.5 22.3 33.5



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002202.D

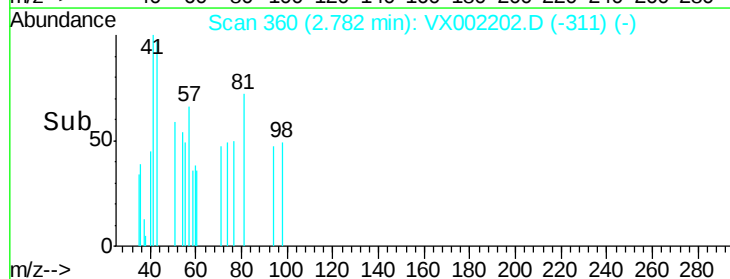
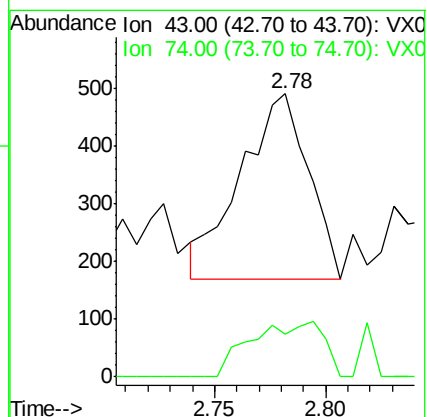
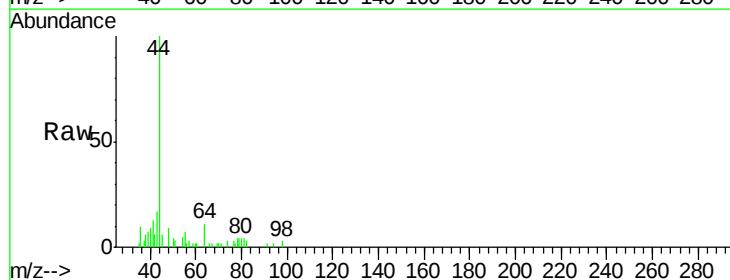
Acq: 01 Jun 2018 06:56

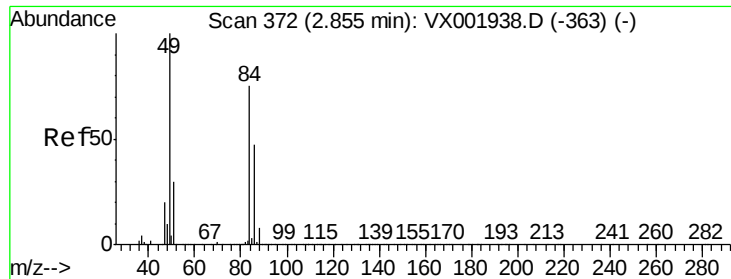
Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

74 31.9 16.8 25.2#

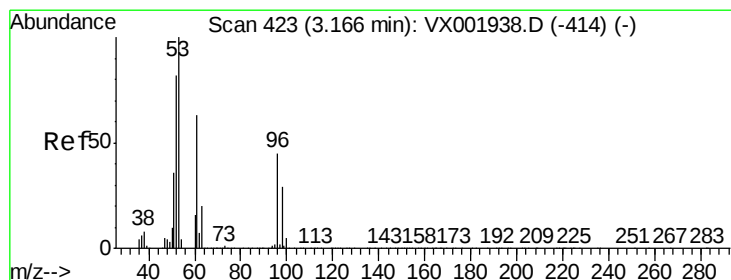
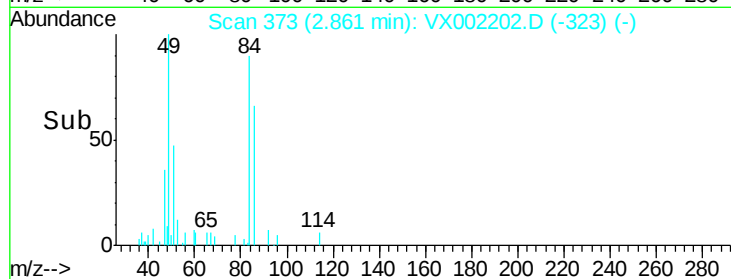
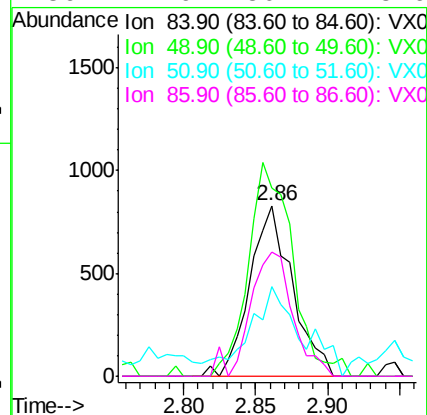
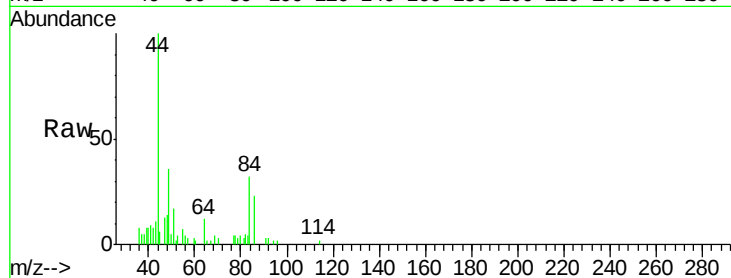




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

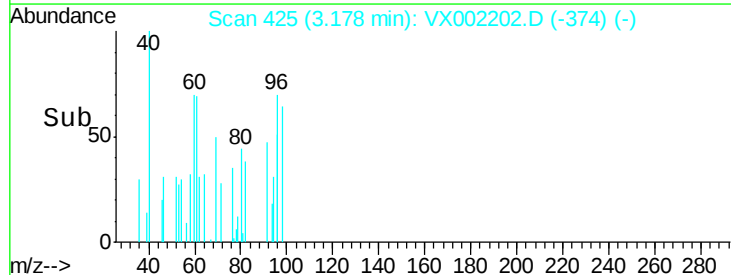
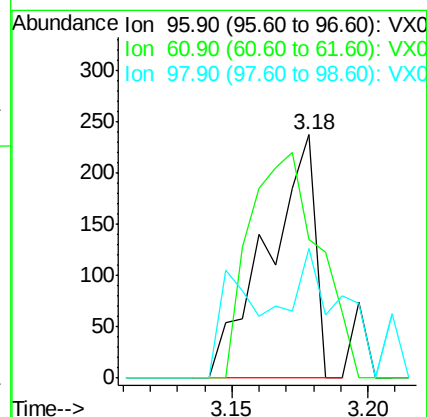
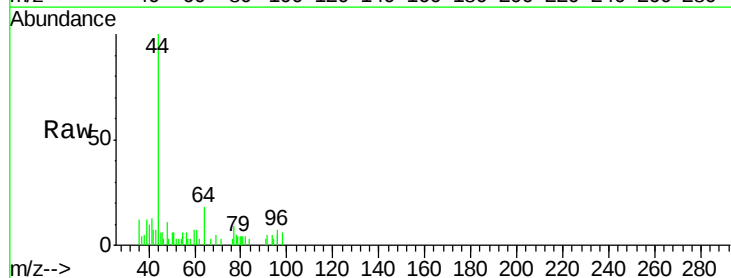
Instrument :
MSVOA_X
ClientSampleId :

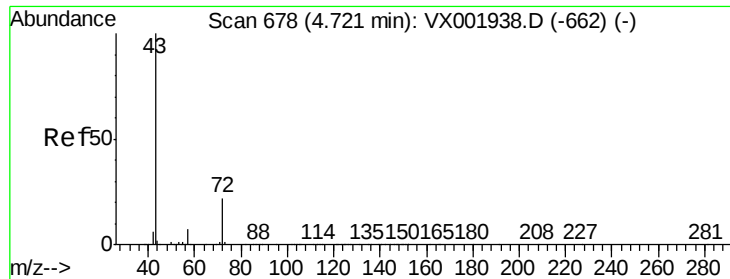
Tot Ion: 84 Resp: 1693
Ion Ratio Lower Upper
84 100
49 110.7 107.2 160.8
51 52.4 32.4 48.6#
86 72.9 50.4 75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.18 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

Tgt Ion: 96 Resp: 288
Ion Ratio Lower Upper
96 100
61 57.1 113.3 169.9#
98 53.4 51.7 77.5





#25

2-Butanone

Concen: 0.57 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :

MSVOA_X

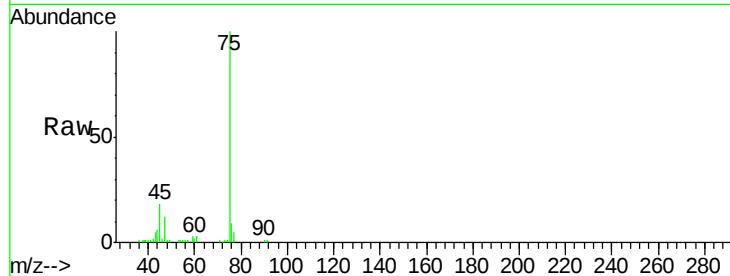
ClientSampled :

Tot Ion: 43 Resp: 1991

Ion Ratio Lower Upper

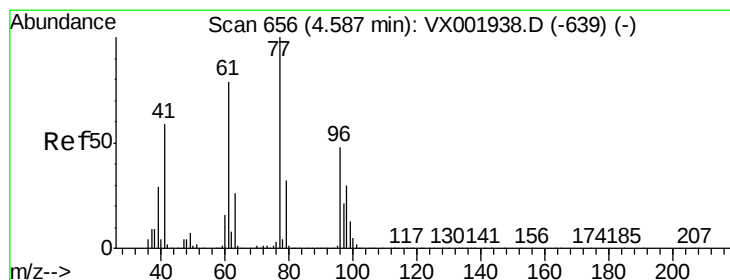
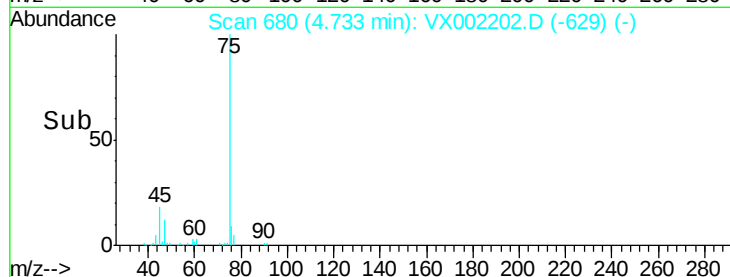
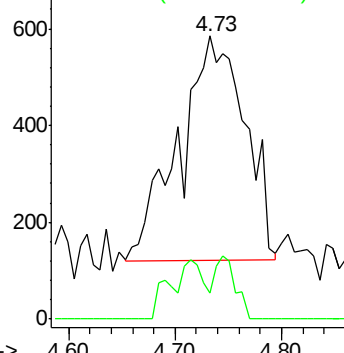
43 100

72 11.7 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.21 ug/l

RT: 4.75 min Scan# 682

Delta R.T. 0.16 min

Lab File: VX002202.D

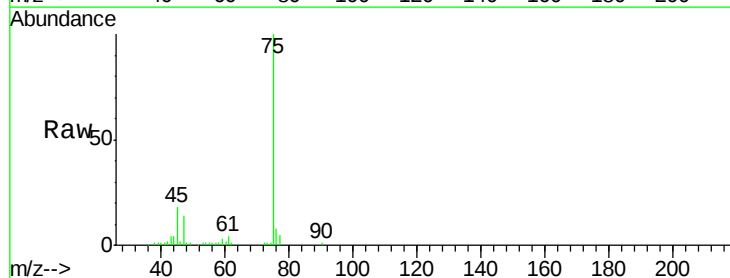
Acq: 01 Jun 2018 06:56

Tgt Ion: 77 Resp: 1369

Ion Ratio Lower Upper

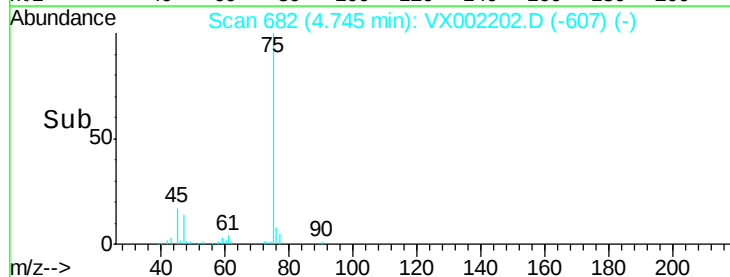
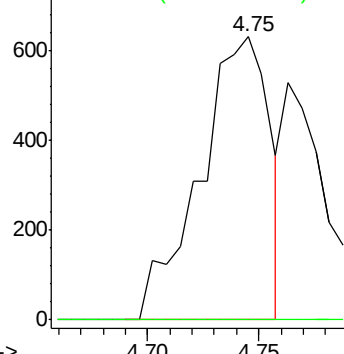
77 100

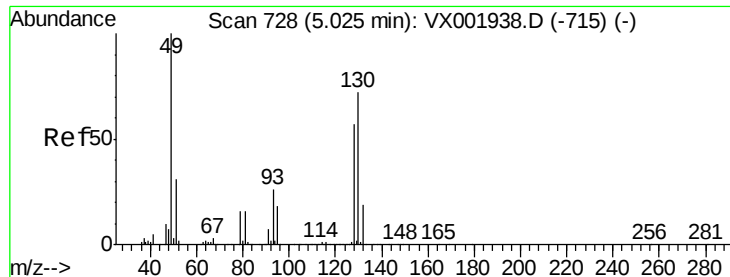
97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 725

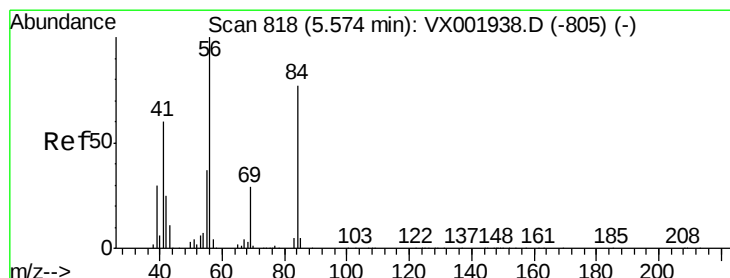
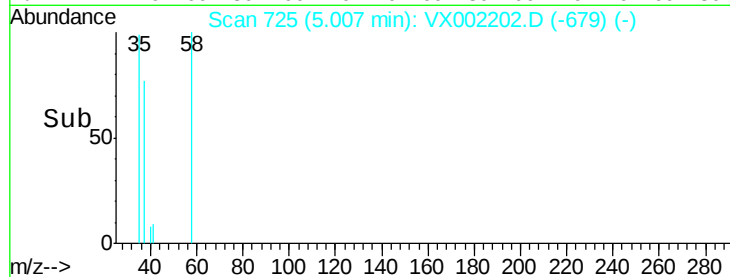
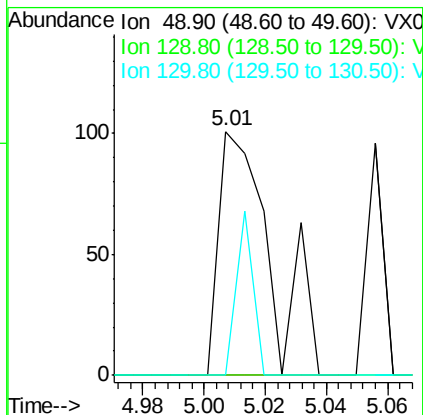
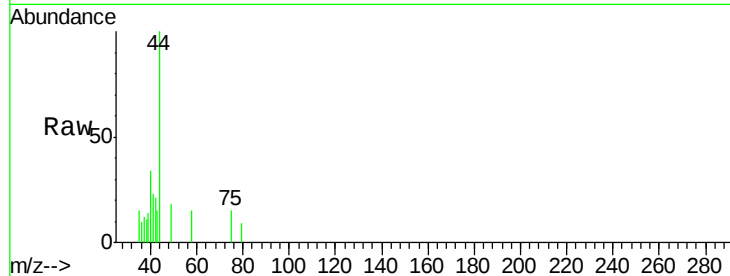
Delta R.T. -0.02 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 119
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 21.0 59.4 89.2#



#31

Cyclohexane

Concen: 0.89 ug/l

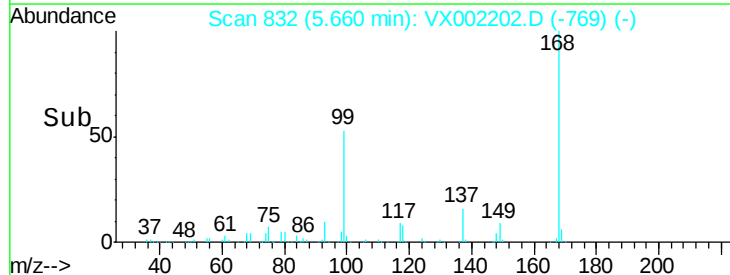
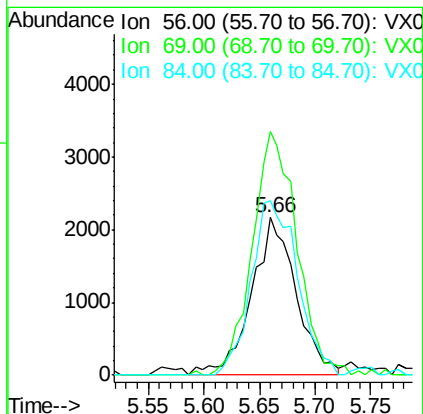
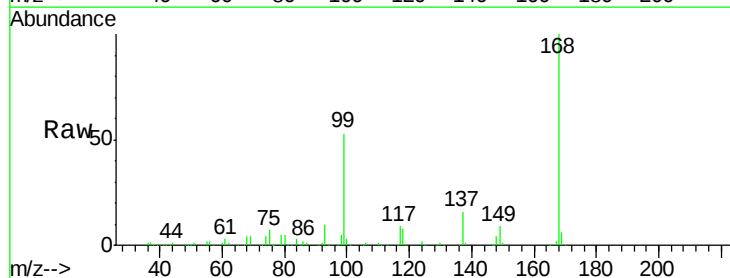
RT: 5.66 min Scan# 832

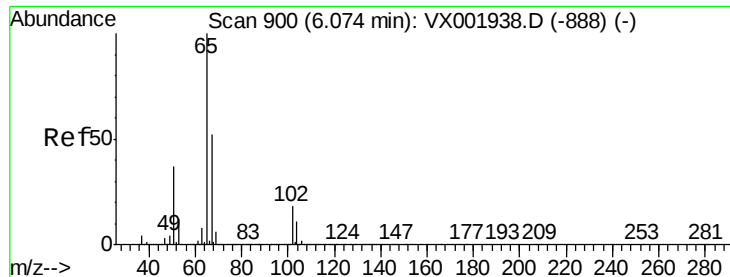
Delta R.T. 0.09 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Tgt Ion: 56 Resp: 6041
Ion Ratio Lower Upper
56 100
69 154.7 23.1 34.7#
84 111.1 62.0 93.0#





#33

1,2-Dichloroethane-d4

Concen: 46.77 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :

MSVOA_X

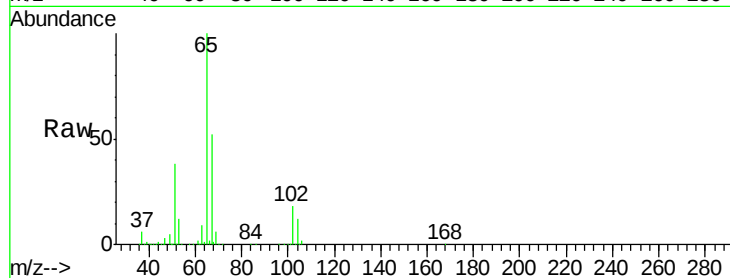
ClientSampleId :

Tot Ion: 65 Resp: 229399

Ion Ratio Lower Upper

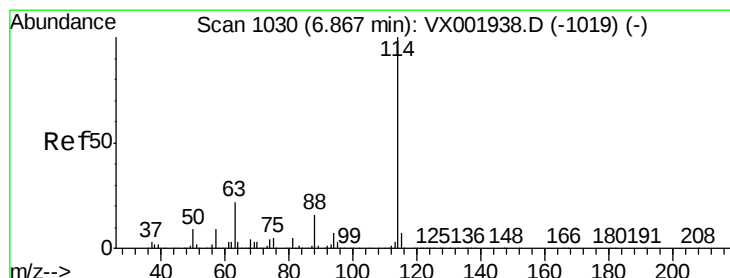
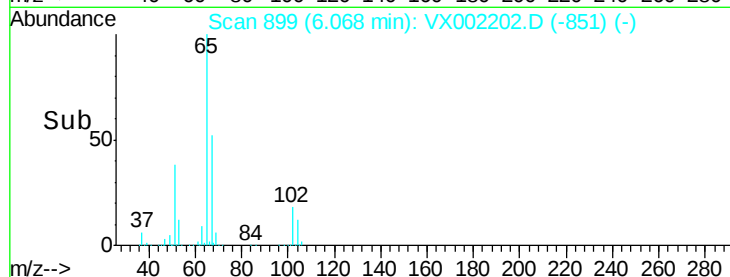
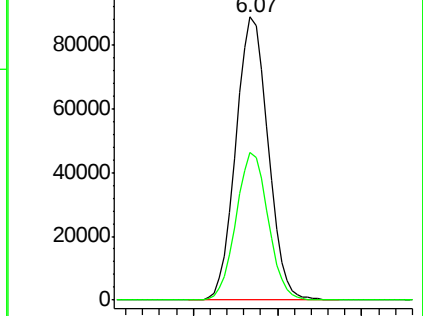
65 100

67 52.0 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: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

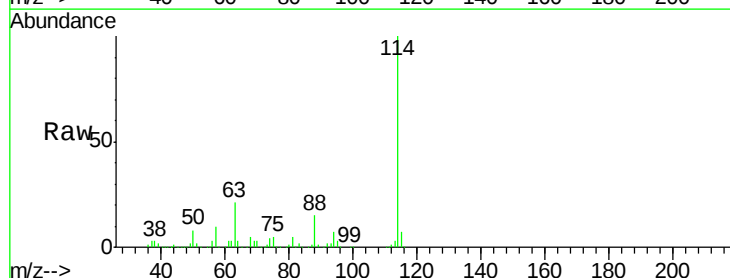
Tgt Ion: 114 Resp: 401419

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

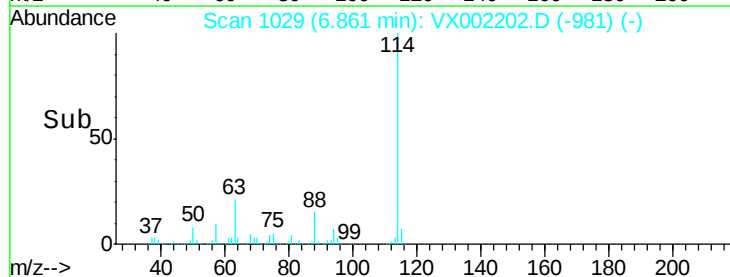
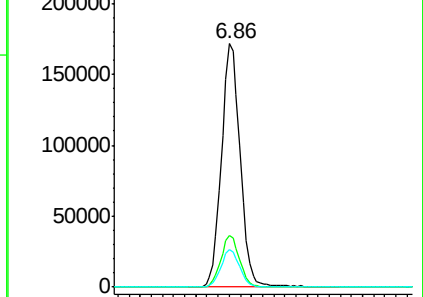
88 15.4 0.0 31.6

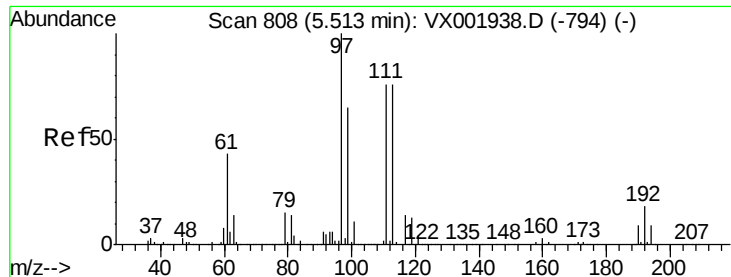


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 42.04 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :
MSVOA_X
ClientSampleId :

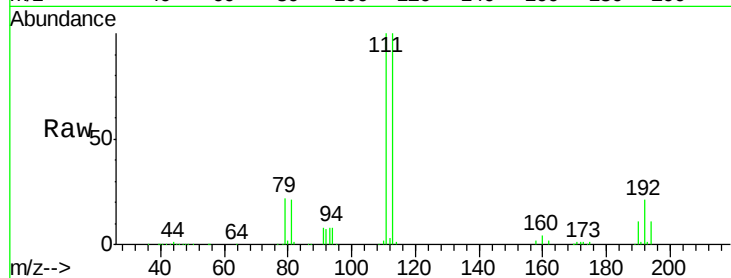
Tot Ion:113 Resp: 168748

Ion Ratio Lower Upper

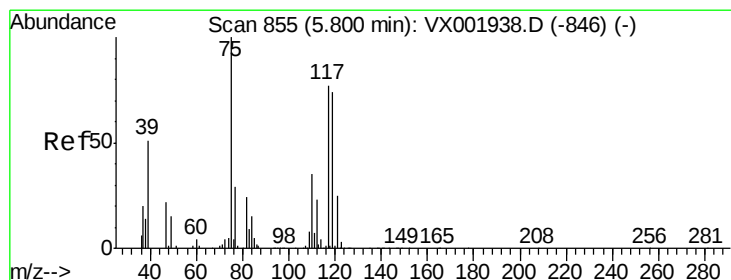
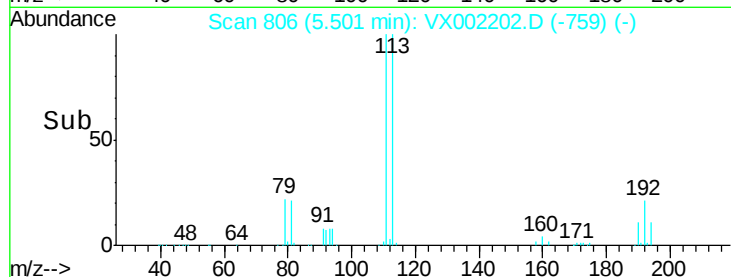
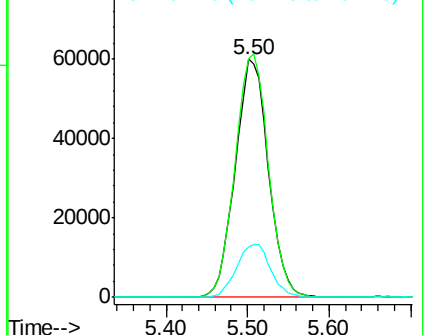
113 100

111 102.8 82.0 123.0

192 23.0 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: 3.42 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

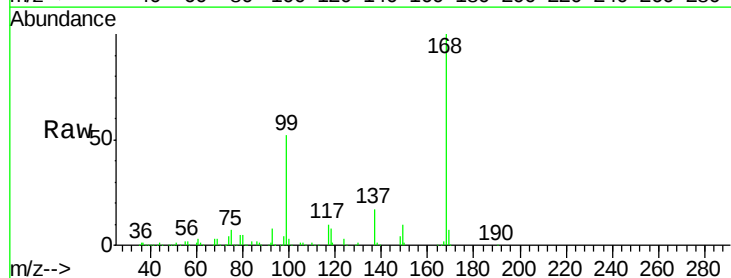
Tgt Ion: 75 Resp: 19082

Ion Ratio Lower Upper

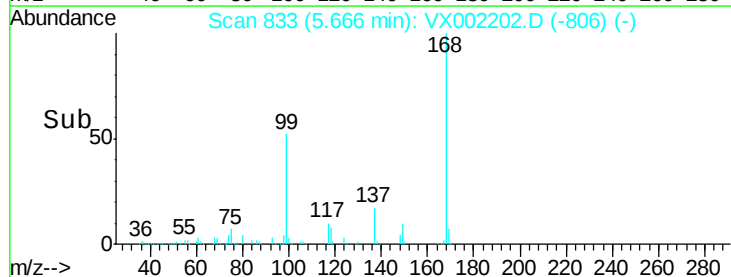
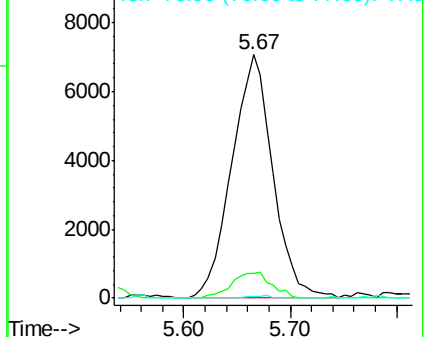
75 100

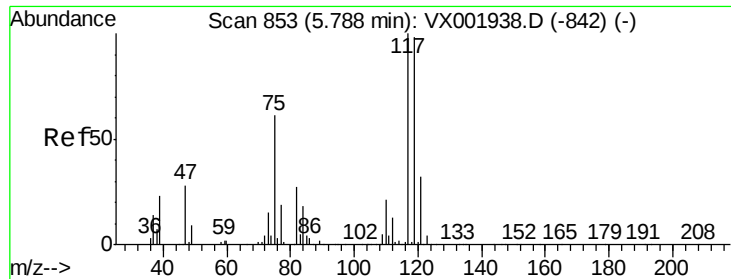
110 10.3 17.4 52.2#

77 0.4 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

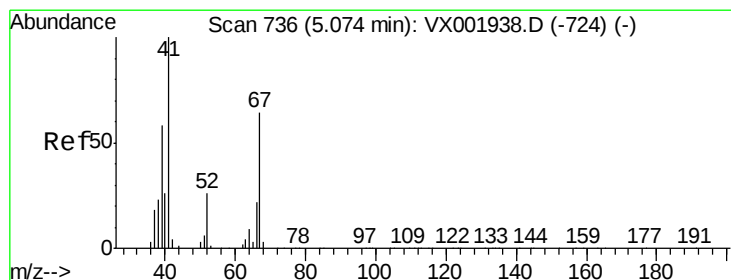
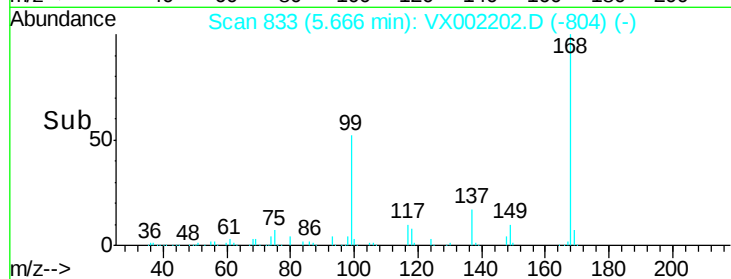
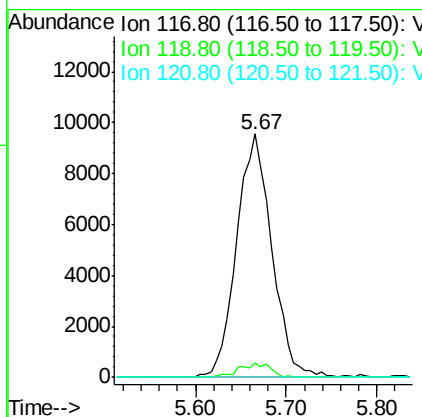
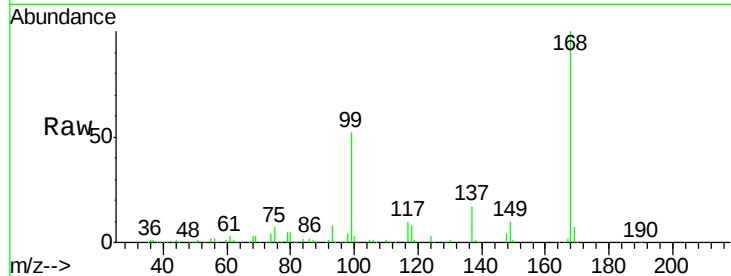




#38
Carbon Tetrachloride
Concen: 3.95 ua/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

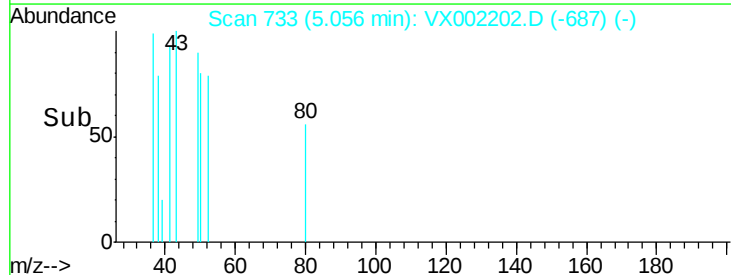
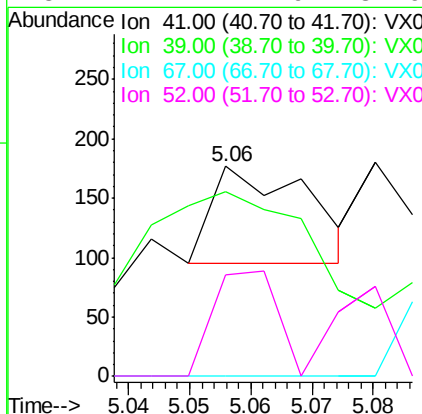
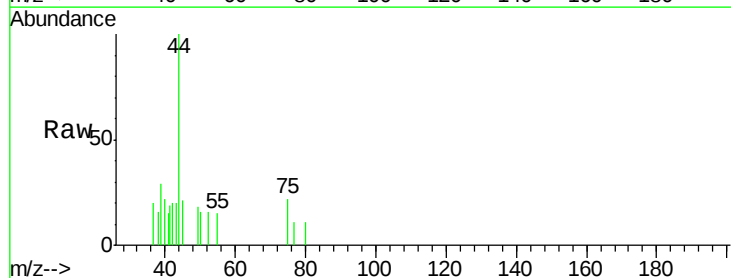
Instrument :
MSVOA_X
ClientSampleId :

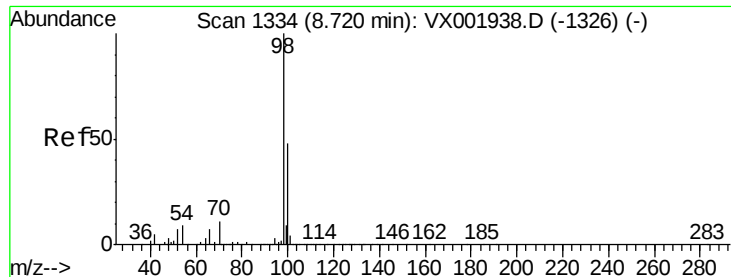
Tot Ion:117 Resp: 25716
Ion Ratio Lower Upper
117 100
119 5.7 78.5 117.7#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: Below Cal
RT: 5.06 min Scan# 733
Delta R.T. -0.02 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

Tgt Ion: 41 Resp: 88
Ion Ratio Lower Upper
41 100
39 178.4 46.0 69.0#
67 0.0 50.6 75.8#
52 72.7 21.9 32.9#

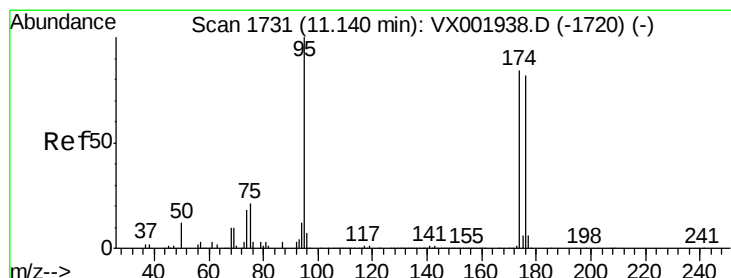
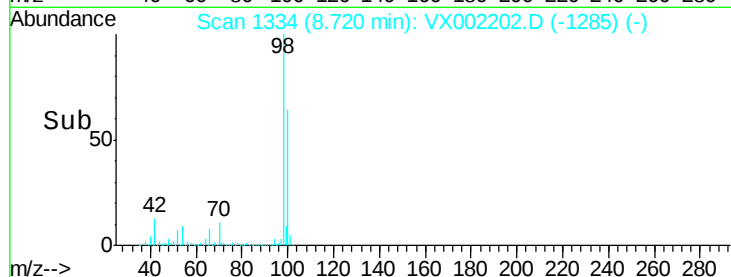
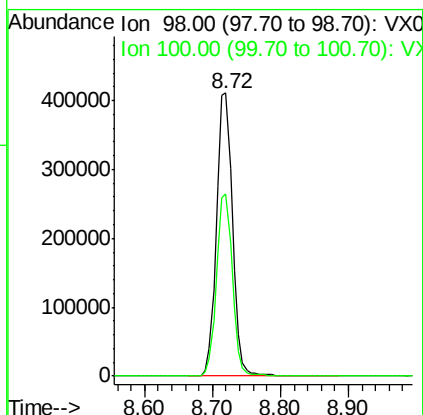
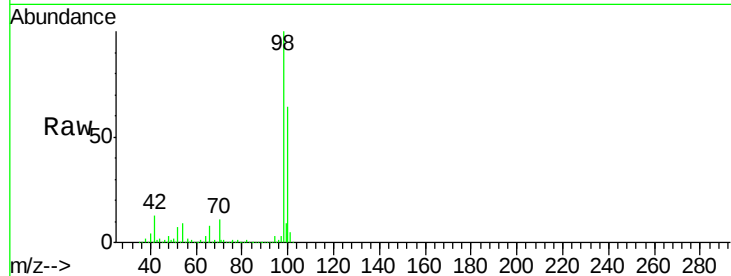




#50
Toluene-d8
Concen: 46.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

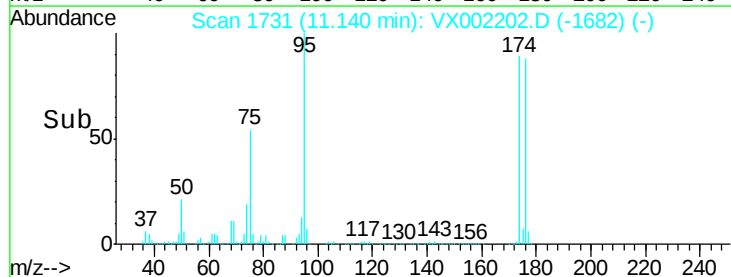
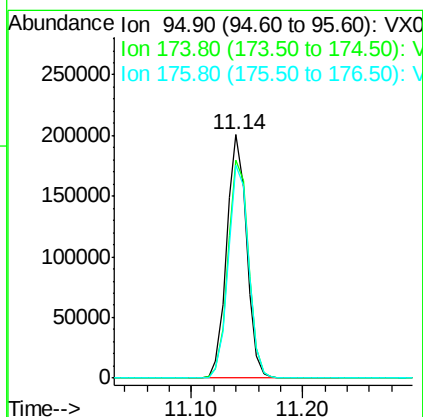
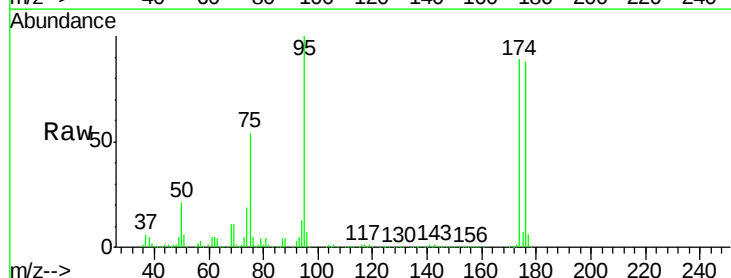
Instrument :
MSVOA_X
ClientSampleId :

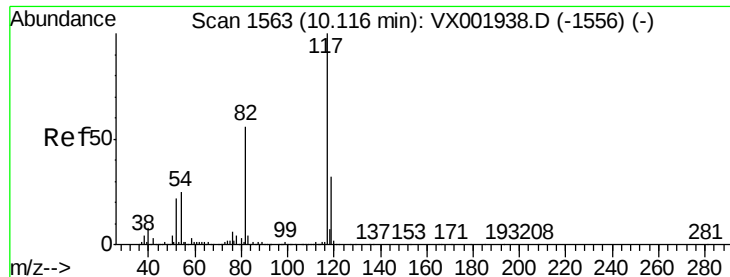
Tot Ion: 98 Resp: 672030
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 43.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

Tgt Ion: 95 Resp: 247642
Ion Ratio Lower Upper
95 100
174 92.6 0.0 178.8
176 89.6 0.0 175.6

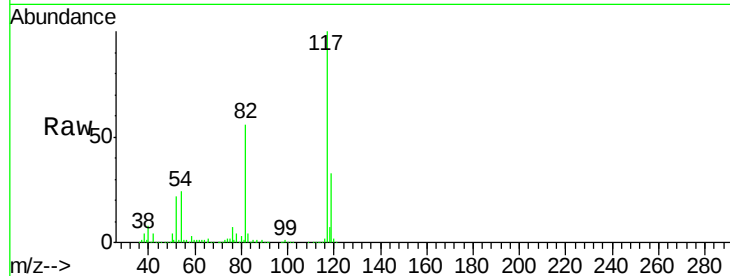




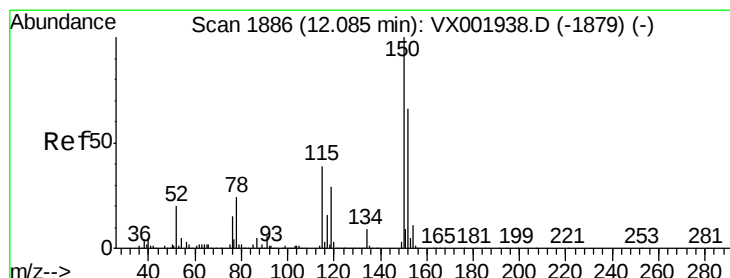
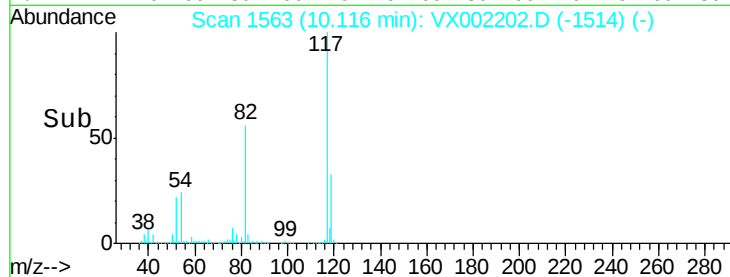
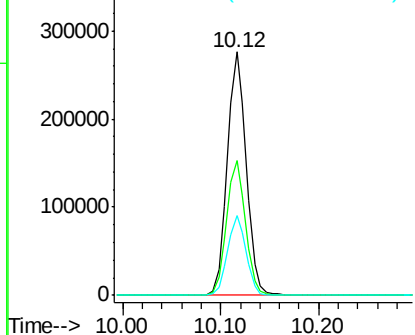
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.8	67.2
119	32.8	25.5	38.3

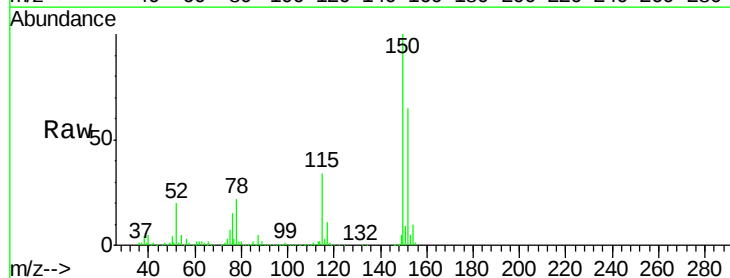


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

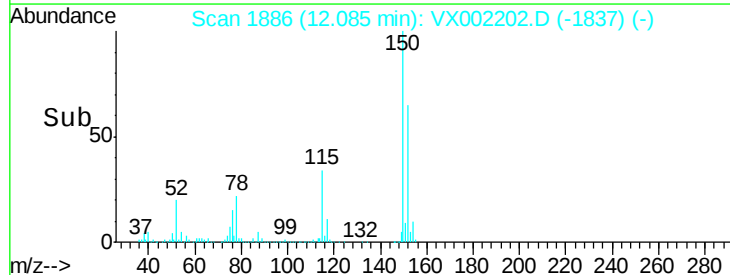
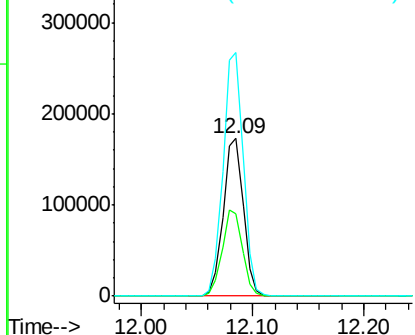


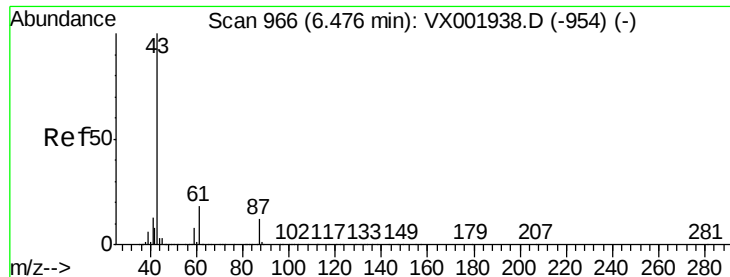
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002202.D
Acq: 01 Jun 2018 06:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	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-amvl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

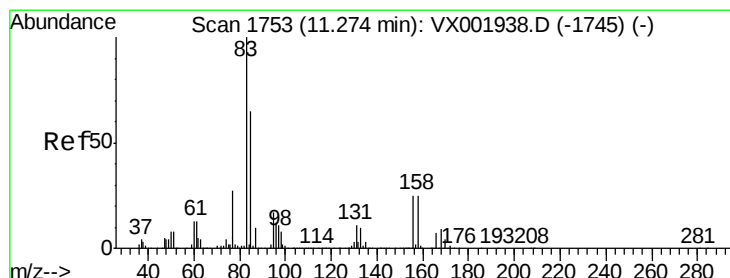
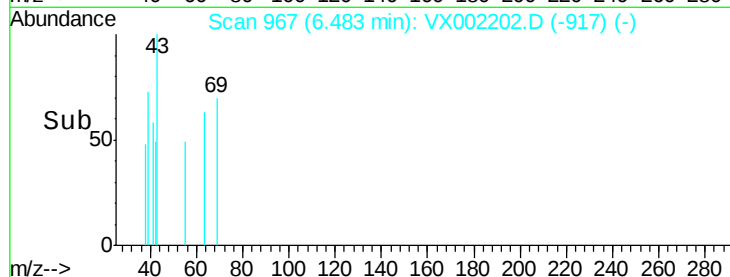
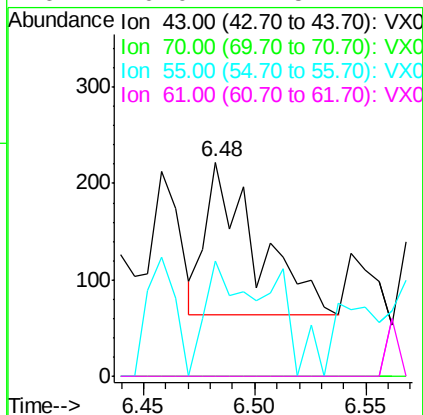
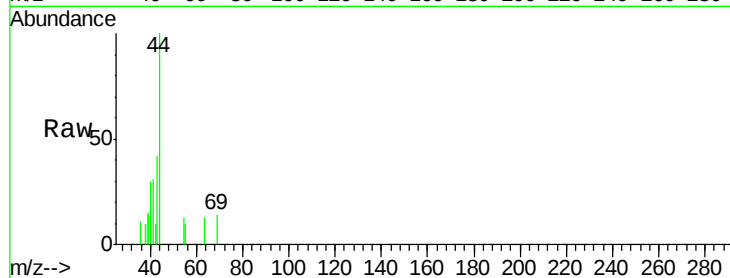
Delta R.T. 0.01 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	43	Resp:	249
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	63.1	0.1	0.1#
61	0.0	14.5	21.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

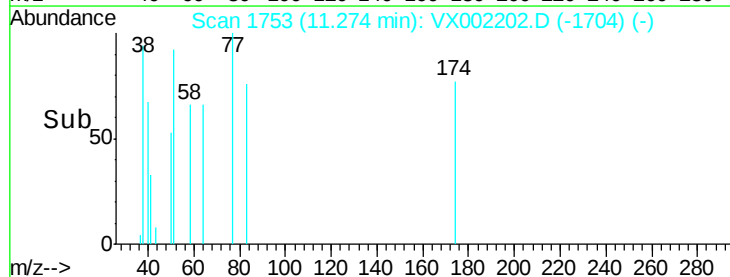
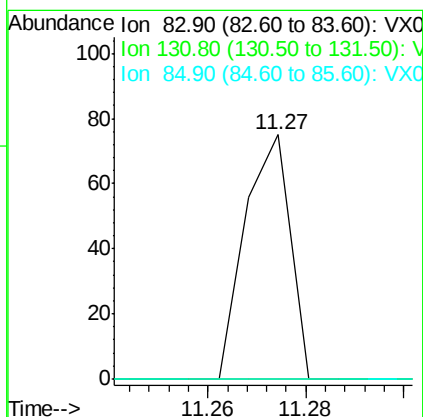
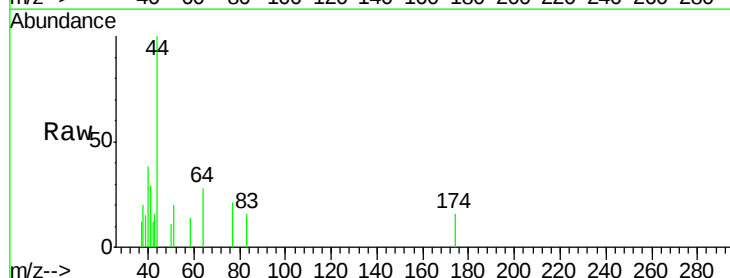
RT: 11.27 min Scan# 1753

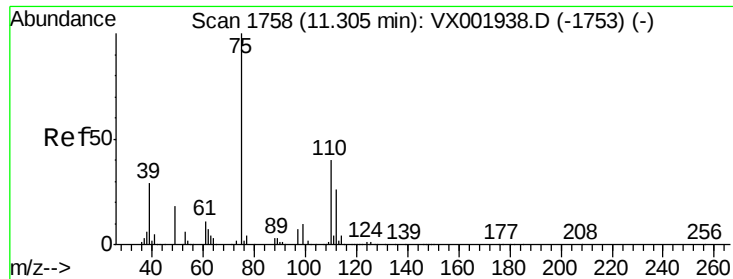
Delta R.T. 0.00 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Tgt Ion:	83	Resp:	48
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.7	17.0#
85	0.0	32.6	97.7#





#76

1,2,3-Trichloropropane

Concen: 25.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :

MSVOA_X

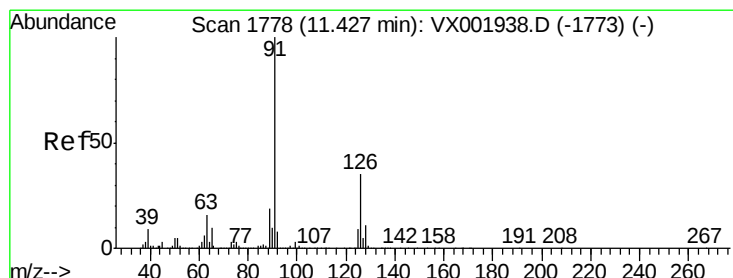
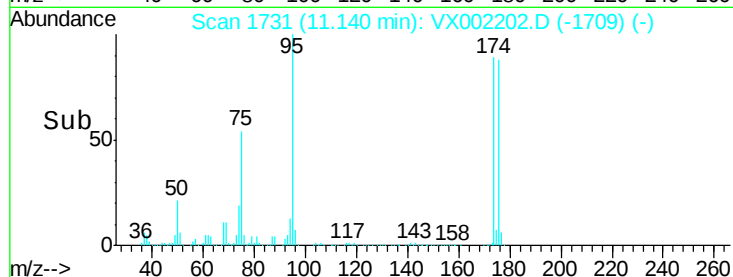
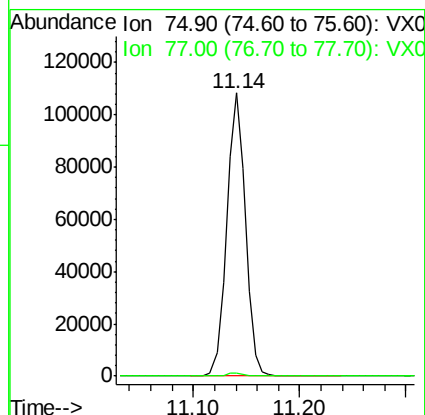
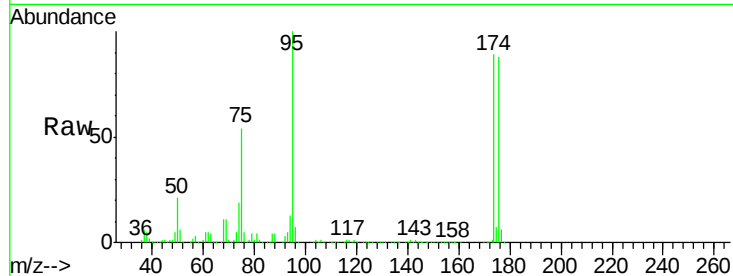
ClientSampleId :

Tot Ion: 75 Resp: 132760

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.51 min Scan# 1792

Delta R.T. 0.09 min

Lab File: VX002202.D

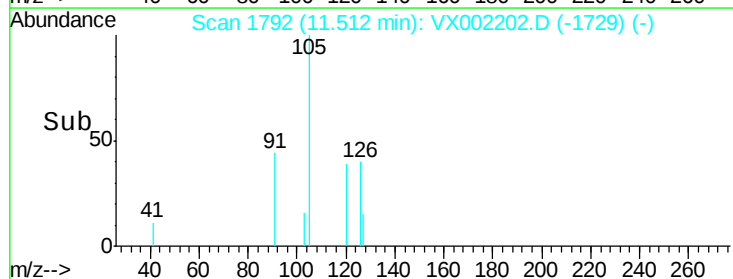
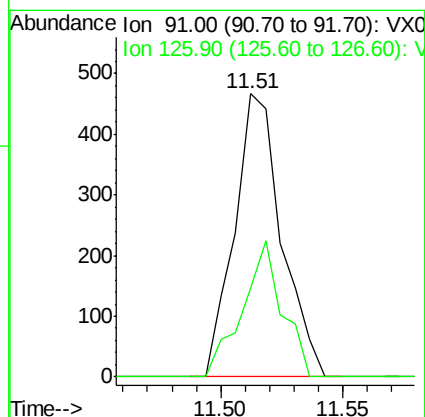
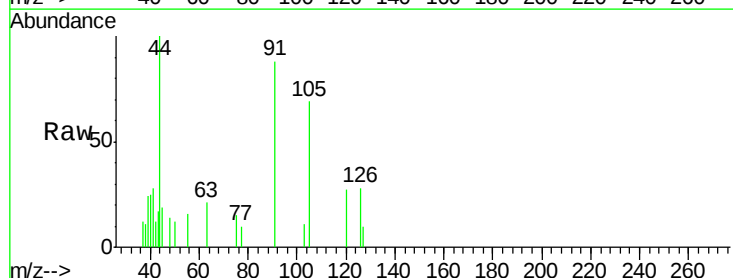
Acq: 01 Jun 2018 06:56

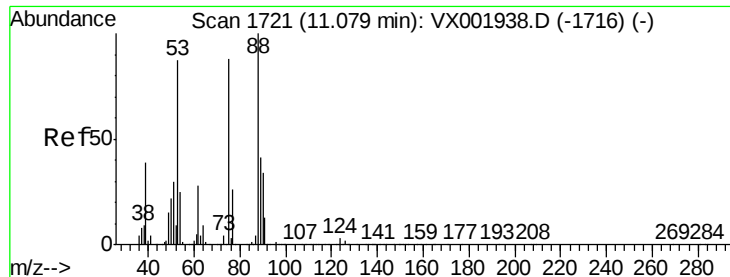
Tgt Ion: 91 Resp: 624

Ion Ratio Lower Upper

91 100

126 40.5 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 61.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002202.D

Acq: 01 Jun 2018 06:56

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 132760

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 39.4 59.2#

