

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052718\
 Data File : VX002062.D
 Acq On : 27 May 2018 12:16
 Operator : JC/MD
 Sample : VX0527WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 29 02:51:09 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	338571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	468639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	426767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	237083	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	216212	35.73	ug/l	0.00
Spiked Amount			Recovery	=	71.46%	
35) Dibromofluoromethane	5.51	113	172430	36.79	ug/l	0.00
Spiked Amount			Recovery	=	73.58%	
50) Toluene-d8	8.72	98	671376	39.57	ug/l	0.00
Spiked Amount			Recovery	=	79.14%	
62) 4-Bromofluorobenzene	11.14	95	241050	36.31	ug/l	0.00
Spiked Amount			Recovery	=	72.62%	

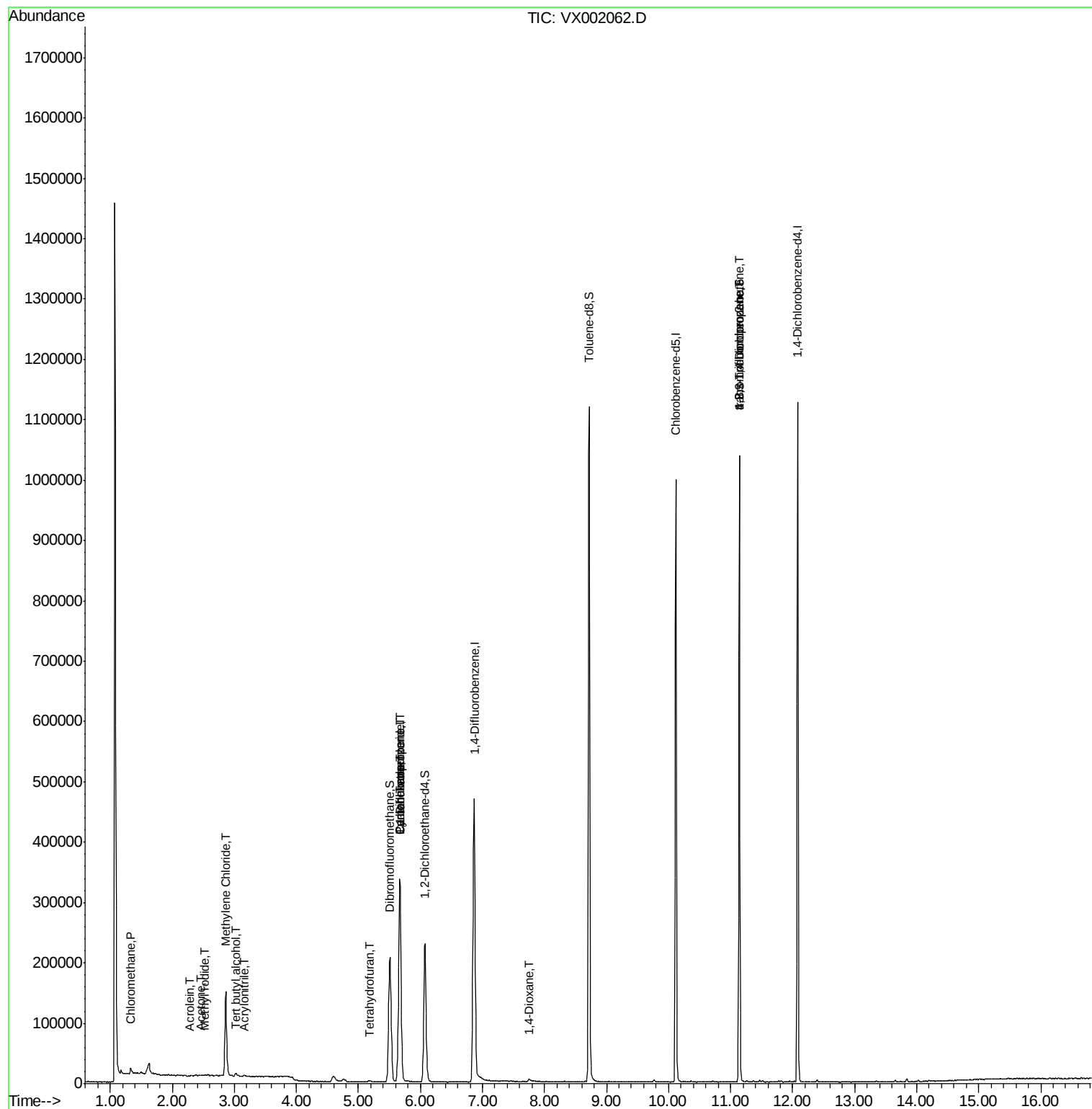
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	142	Below Cal	#	41
3) Chloromethane	1.32	50	9639	1.85	ug/l	# 87
5) Bromomethane	1.65	94	1028	Below Cal		90
10) Methyl Iodide	2.52	142	1349	0.24	ug/l	# 81
11) Tert butyl alcohol	3.03	59	3202	2.70	ug/l	# 71
13) Acrolein	2.28	56	127	0.25	ug/l	# 64
15) Acrylonitrile	3.15	53	883	0.36	ug/l	# 73
16) Acetone	2.45	43	1798	0.77	ug/l	95
18) Methyl Acetate	2.78	43	1510	Below Cal	#	88
20) Methylene Chloride	2.86	84	64932	14.89	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	528	Below Cal	#	33
28) Bromochloromethane	5.03	49	161	Below Cal	#	14
29) Tetrahydrofuran	5.18	42	2039	0.73	ug/l	94
31) Cyclohexane	5.67	56	6514	0.78	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	23581	3.62	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	30540	4.02	ug/l	# 15
41) Methacrylonitrile	5.06	41	69	Below Cal	#	1
49) 1,4-Dioxane	7.76	88	56	0.44	ug/l	# 1
74) N-amyl acetate	6.46	43	529	Below Cal	#	70
75) 1,1,2,2-Tetrachloroethane	11.27	83	169	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	125544	22.05	ug/l	# 33
79) 2-Chlorotoluene	11.43	91	650	Below Cal		82
81) trans-1,4-Dichloro-2-buten	11.14	75	125544	52.99	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: VX002062.D

Acq: 27 May 2018 12:16

Instrument :

MSVOA_X

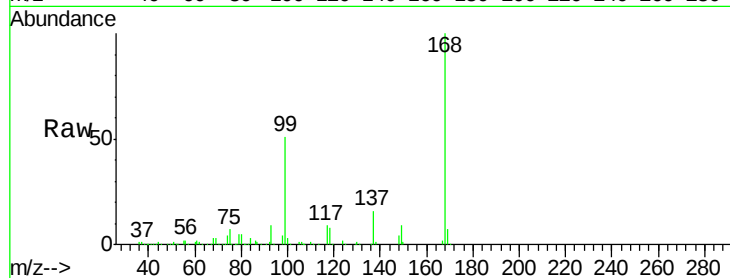
ClientSampleId :

Tot Ion:168 Resp: 338571

Ion Ratio Lower Upper

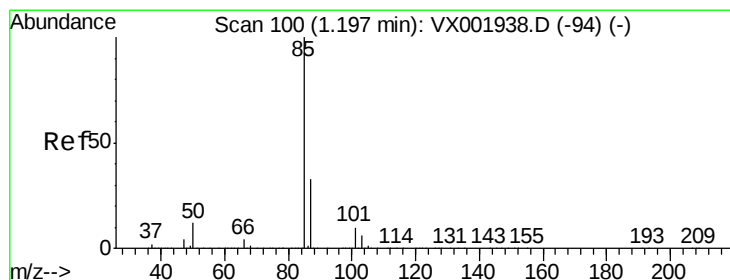
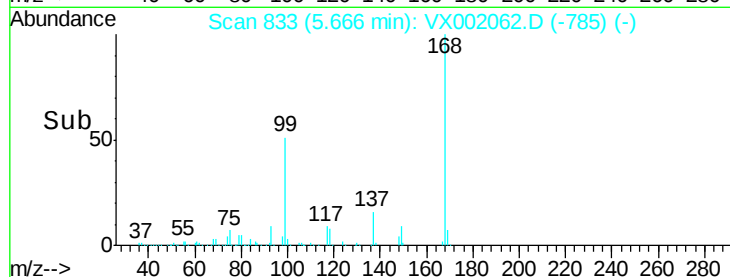
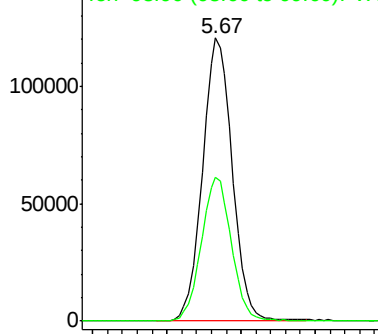
168 100

99 51.0 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: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX002062.D

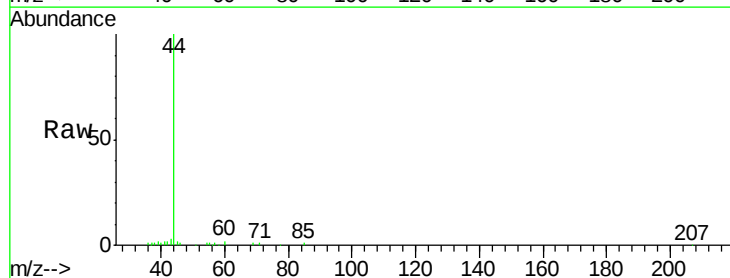
Acq: 27 May 2018 12:16

Tgt Ion: 85 Resp: 142

Ion Ratio Lower Upper

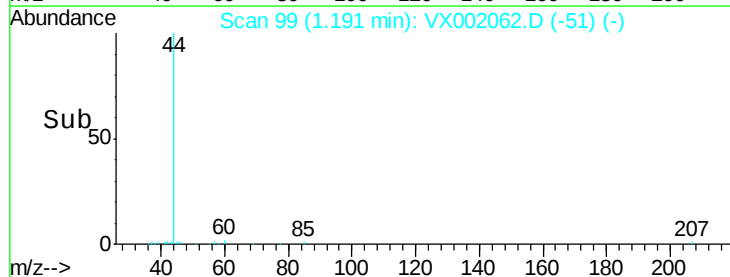
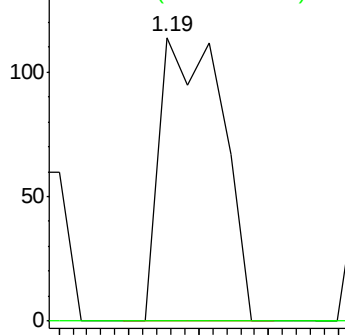
85 100

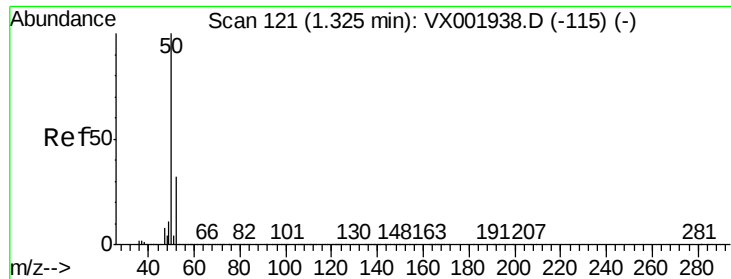
87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

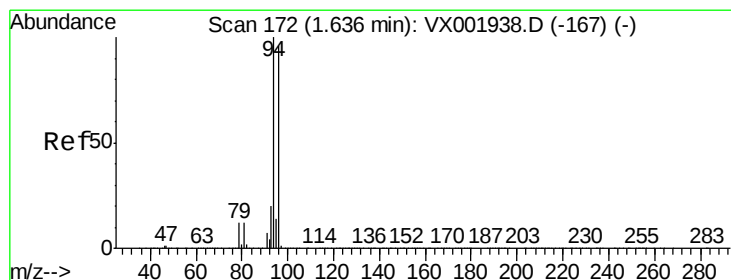
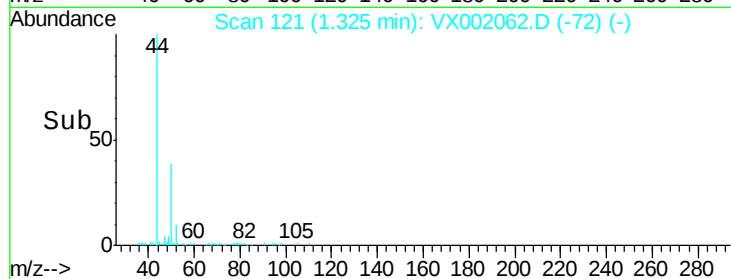
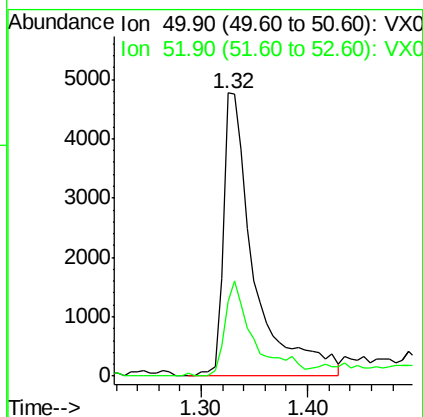
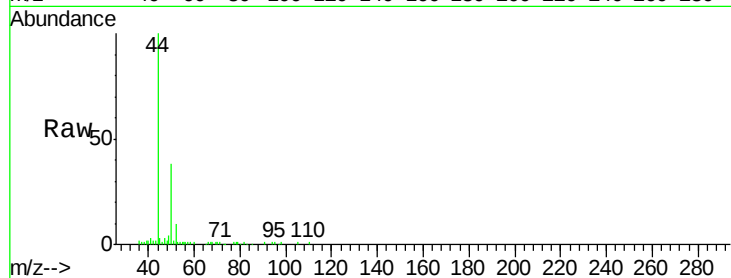




#3
Chloromethane
Concen: 1.85 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

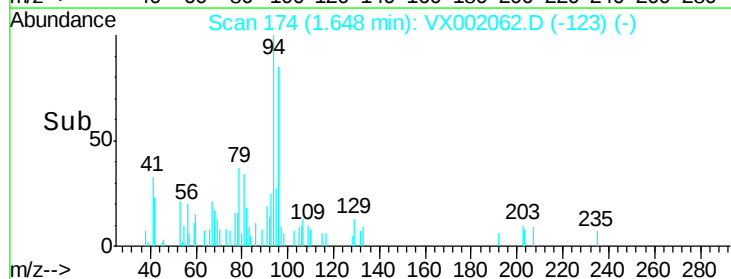
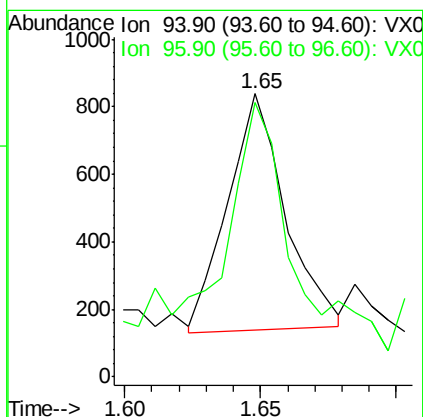
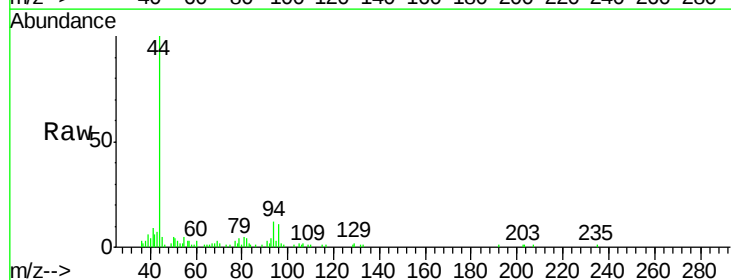
Instrument :
MSVOA_X
ClientSampled :

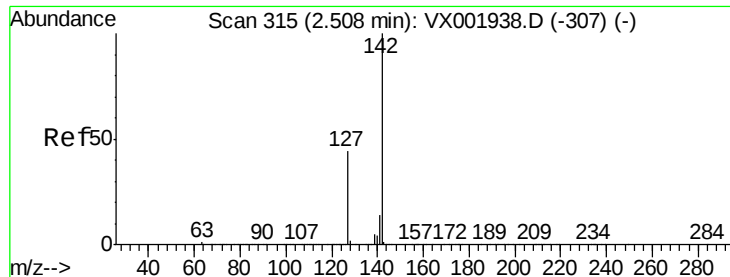
Tot Ion: 50 Resp: 9639
Ion Ratio Lower Upper
50 100
52 25.0 26.0 39.0#



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 174
Delta R.T. 0.01 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

Tgt Ion: 94 Resp: 1028
Ion Ratio Lower Upper
94 100
96 84.8 75.9 113.9

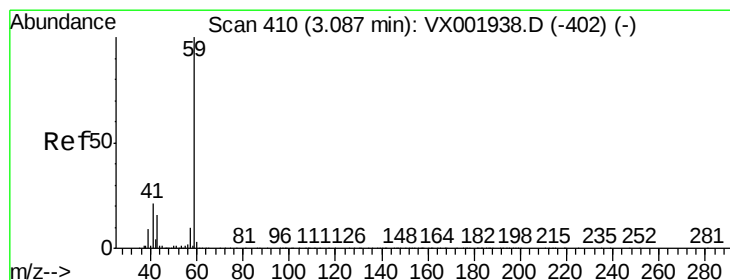
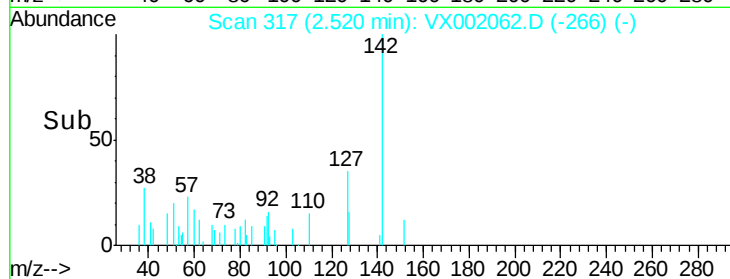
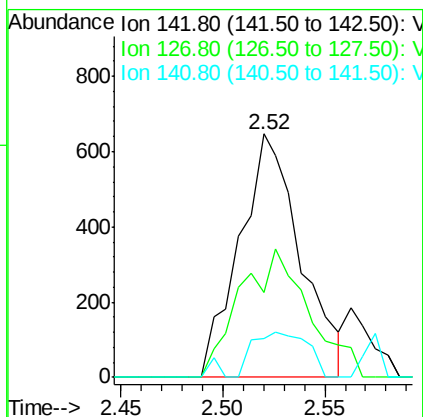
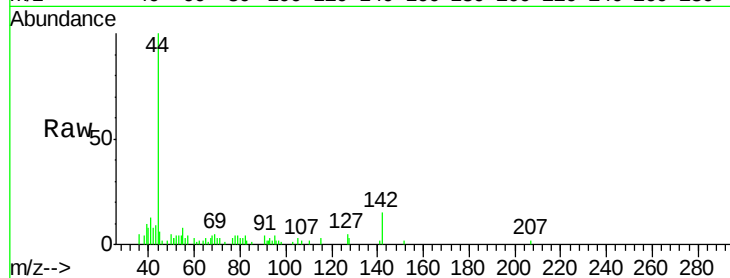




#10
Methvl Iodide
Concen: 0.24 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

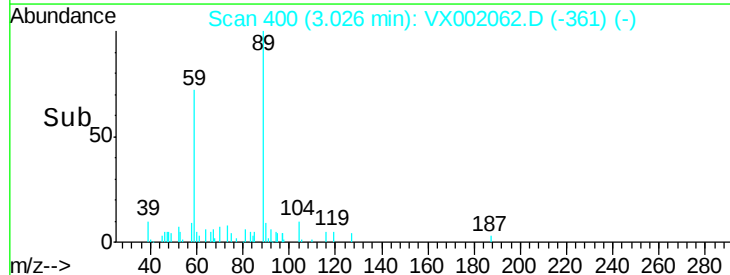
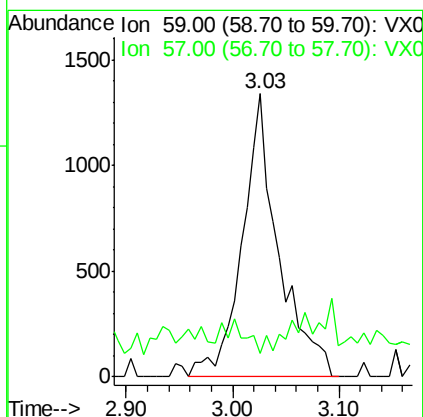
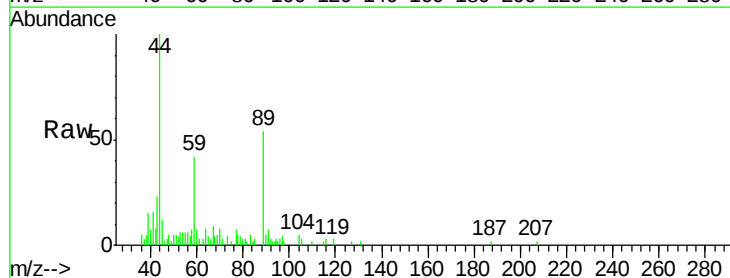
Instrument :
MSVOA_X
ClientSampleId :

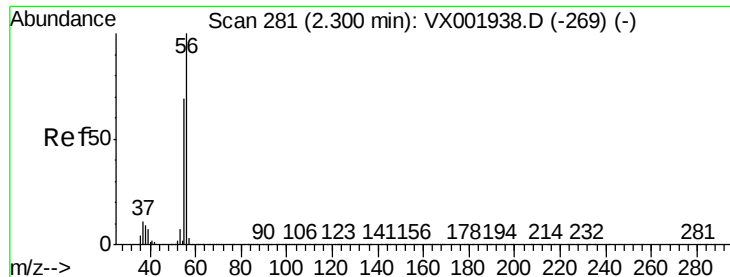
Tot Ion:142 Resp: 1349
Ion Ratio Lower Upper
142 100
127 59.5 35.5 53.3#
141 17.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.70 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

Tgt Ion: 59 Resp: 3202
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#13

Acrolein

Concen: 0.25 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

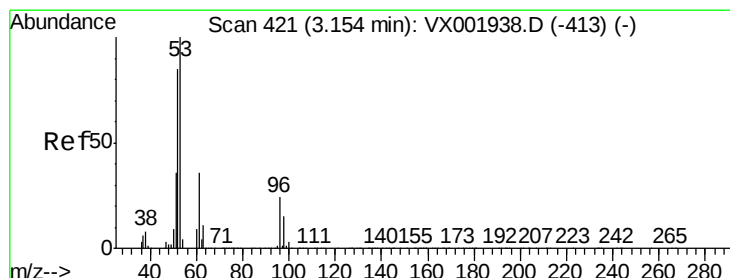
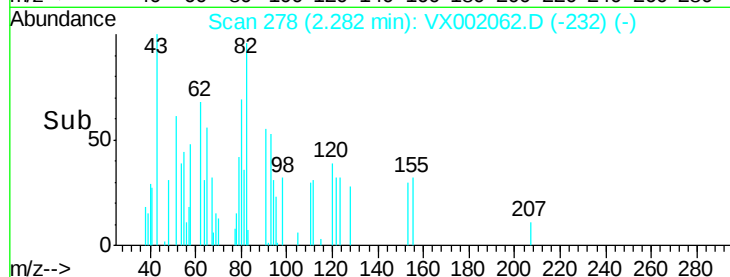
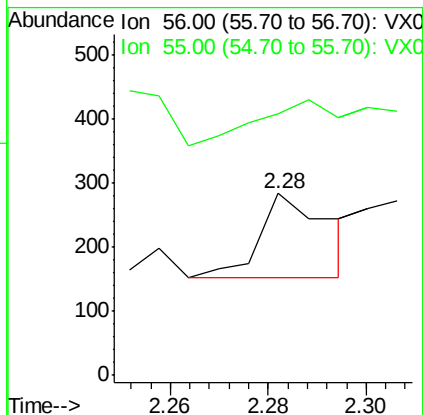
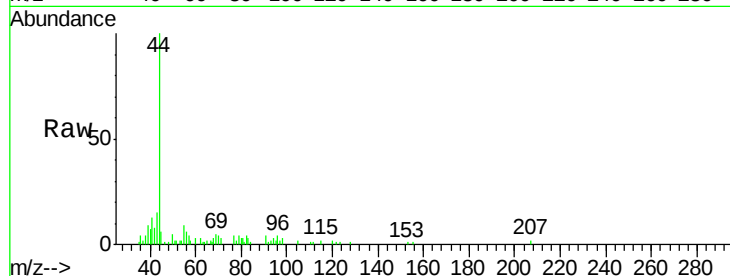
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 40.9 56.8 85.2#



#15

Acrylonitrile

Concen: 0.36 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

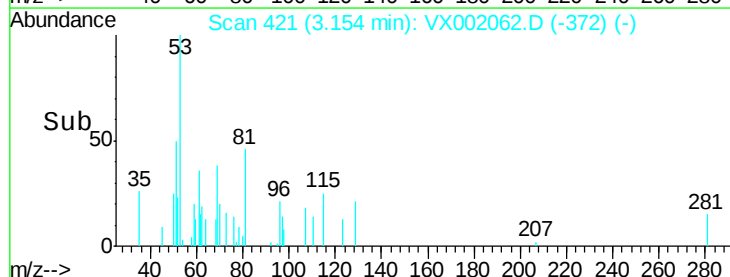
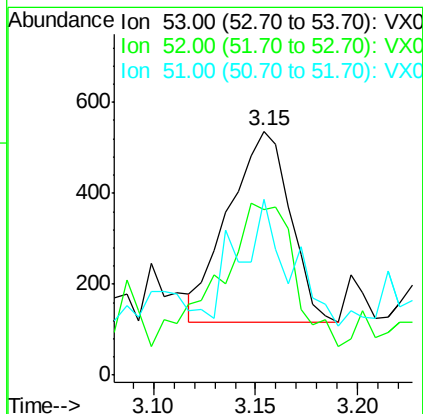
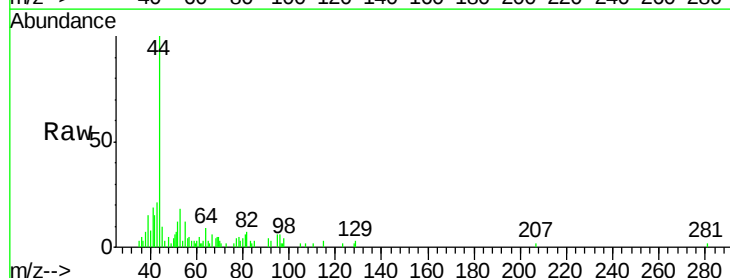
Tgt Ion: 53 Resp: 883

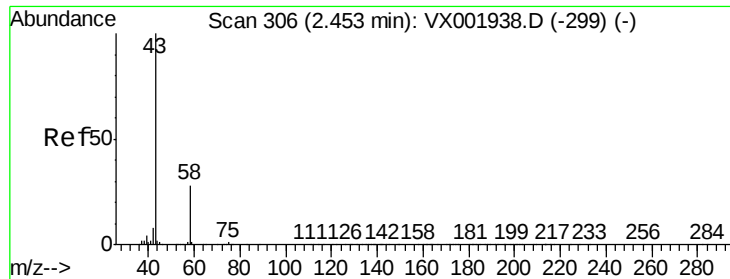
Ion Ratio Lower Upper

53 100

52 104.6 66.4 99.6#

51 56.4 29.3 43.9#

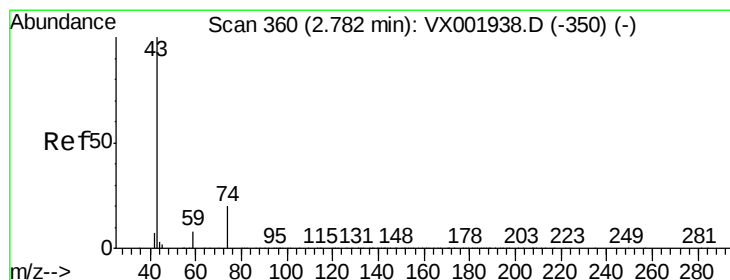
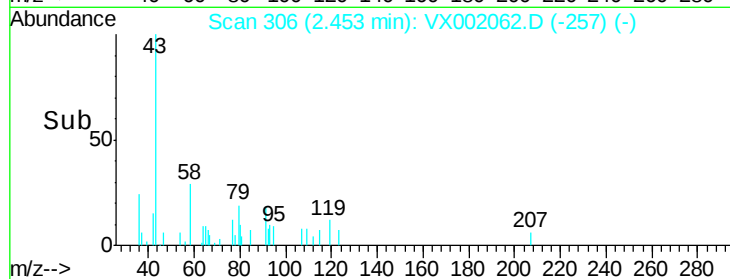
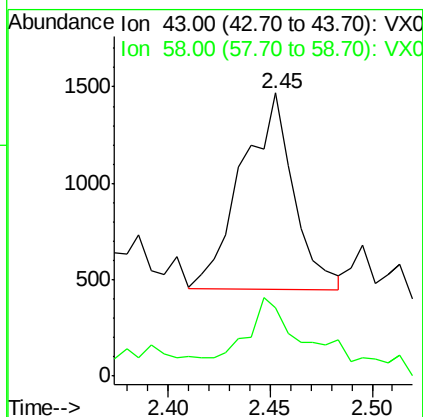
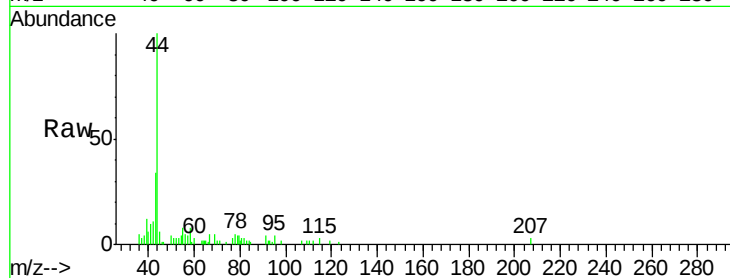




#16
Acetone
Concen: 0.77 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

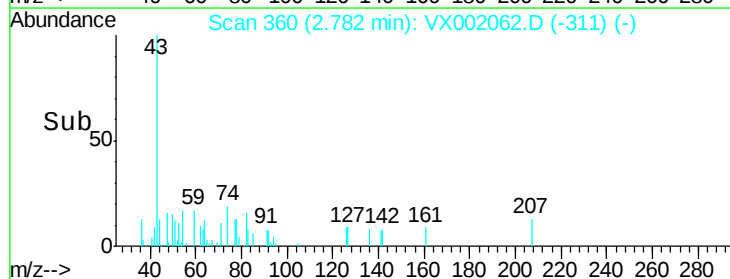
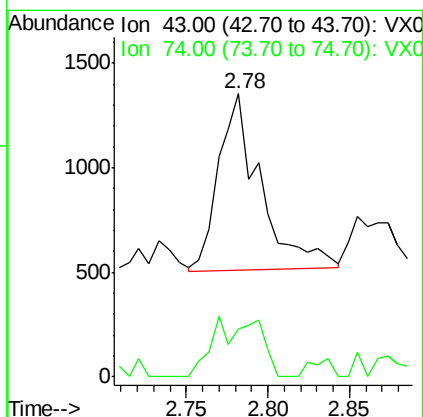
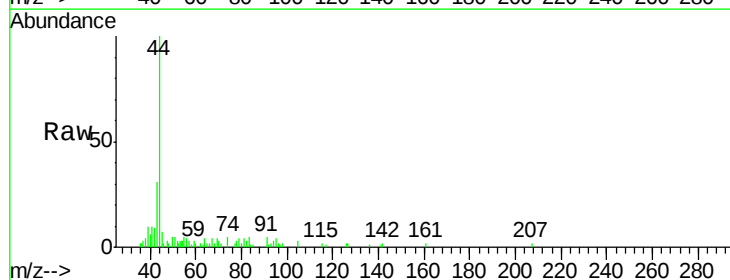
Instrument :
MSVOA_X
ClientSampleId :

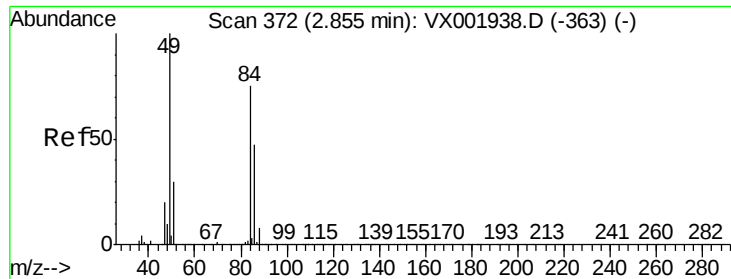
Tot Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 25.0 22.3 33.5



#18
Methyl Acetate
Concen: Below Cal
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
74 15.4 16.8 25.2#

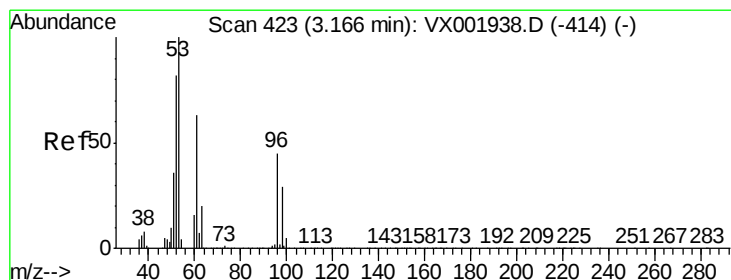
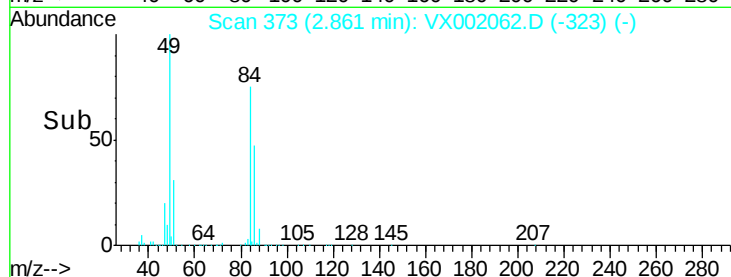
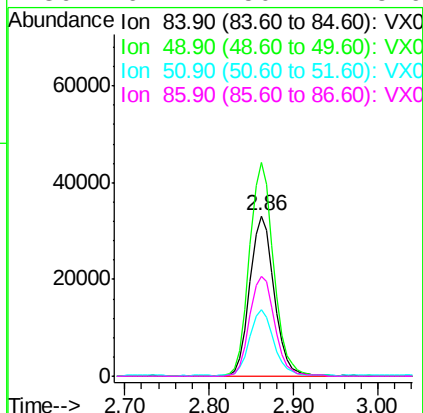
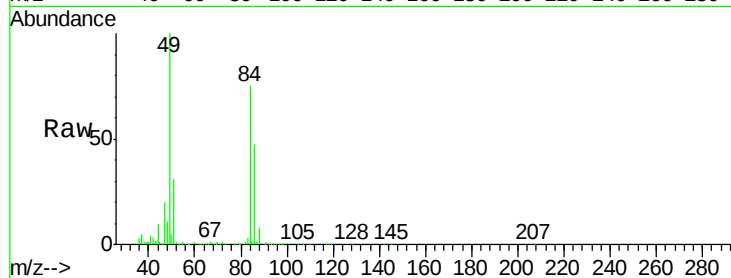




#20
Methvlene Chloride
Concen: 14.89 ua/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

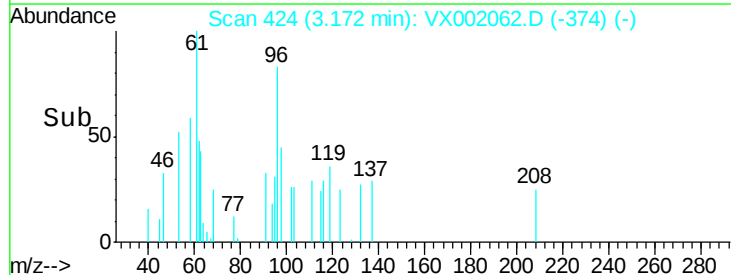
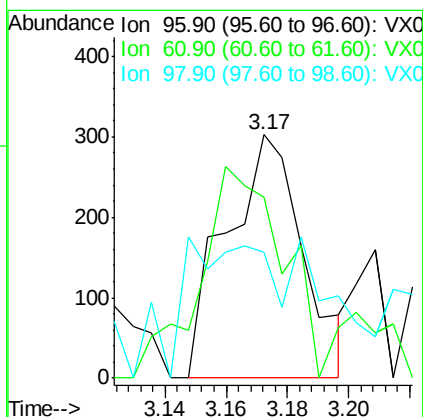
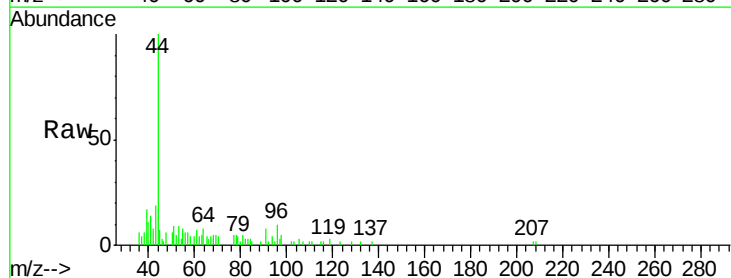
Instrument :
MSVOA_X
ClientSampleId :

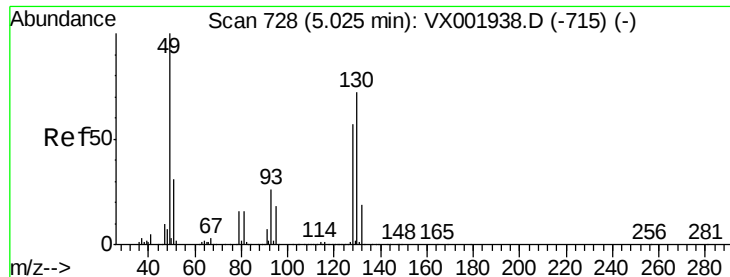
Tot Ion: 84 Resp: 64932
Ion Ratio Lower Upper
84 100
49 133.3 107.2 160.8
51 41.5 32.4 48.6
86 62.1 50.4 75.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

Tgt Ion: 96 Resp: 528
Ion Ratio Lower Upper
96 100
61 54.8 113.3 169.9#
98 17.8 51.7 77.5#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 729

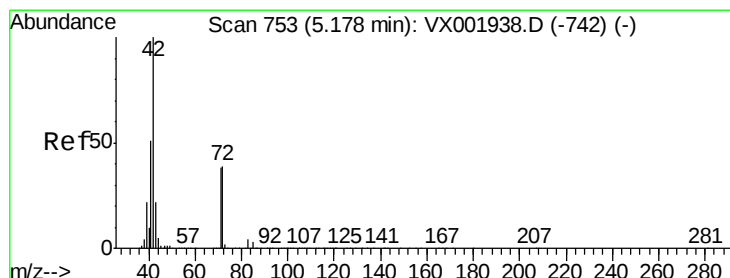
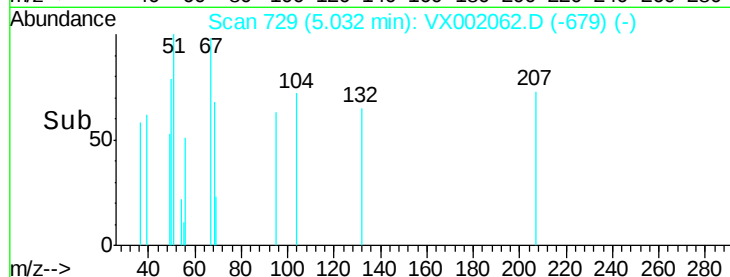
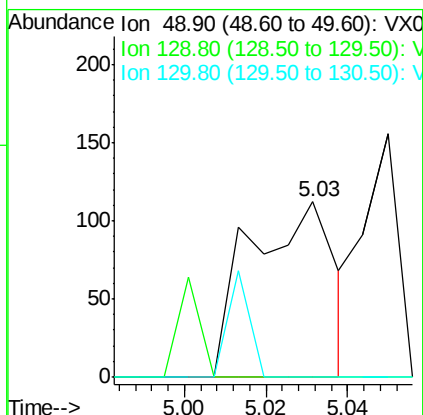
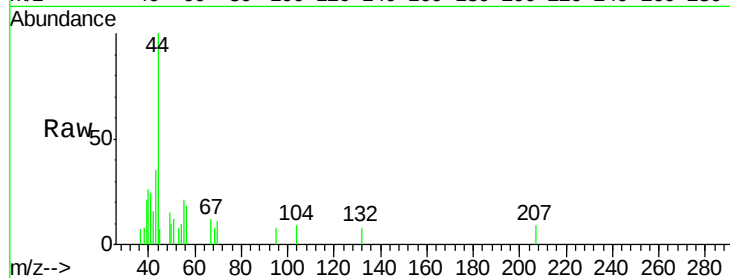
Delta R.T. 0.01 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 161
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 59.4 89.2#



#29

Tetrahydrofuran

Concen: 0.73 ug/l

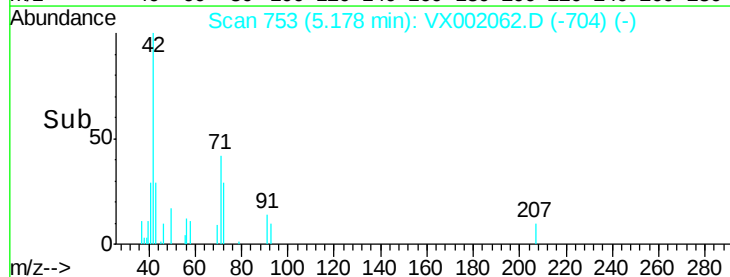
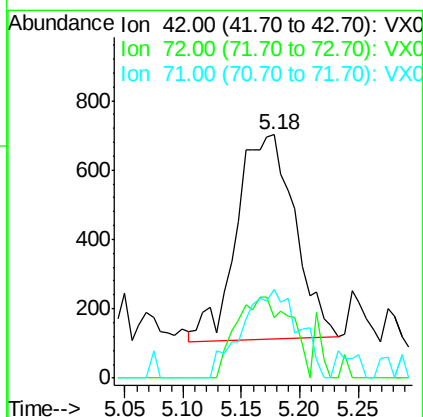
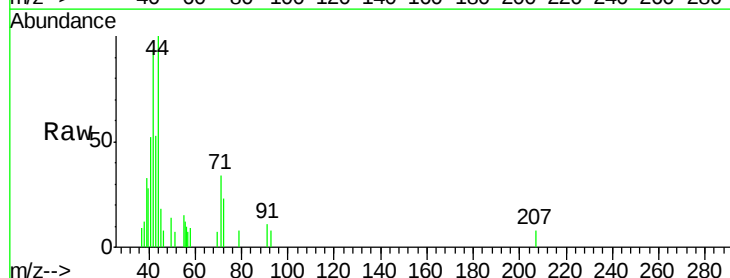
RT: 5.18 min Scan# 753

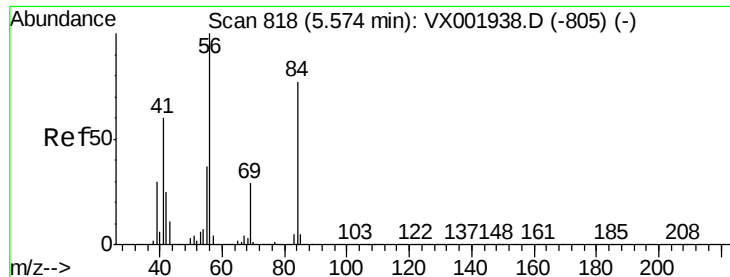
Delta R.T. 0.00 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Tgt Ion: 42 Resp: 2039
Ion Ratio Lower Upper
42 100
72 37.4 31.4 47.0
71 42.4 29.5 44.3

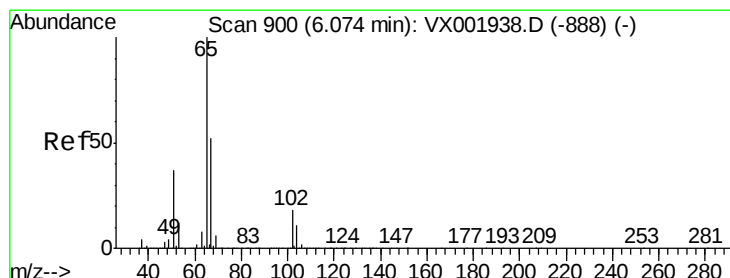
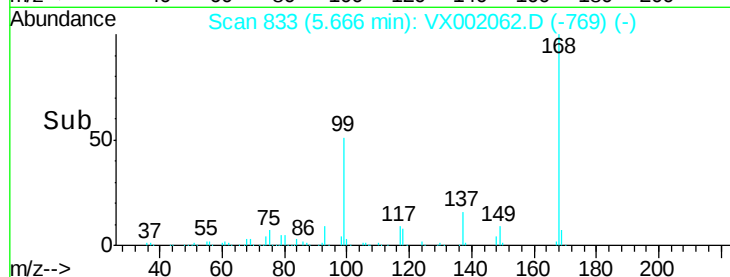
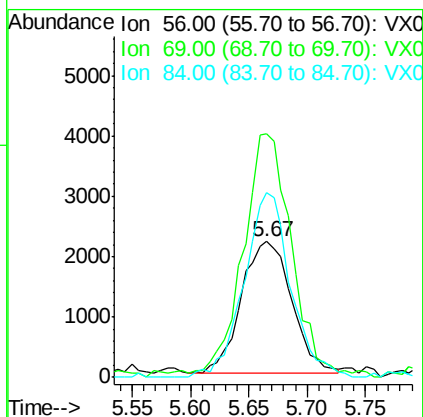
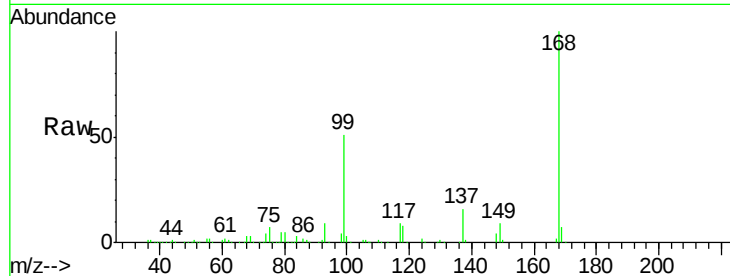




#31
Cyclohexane
Concen: 0.78 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

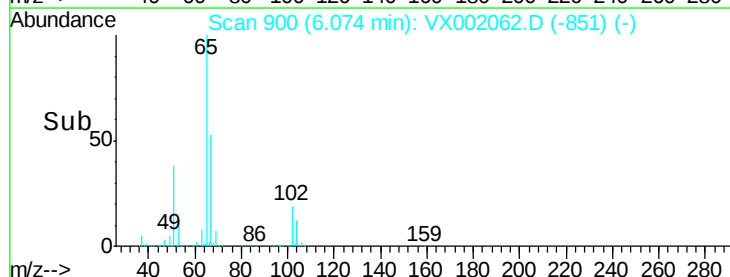
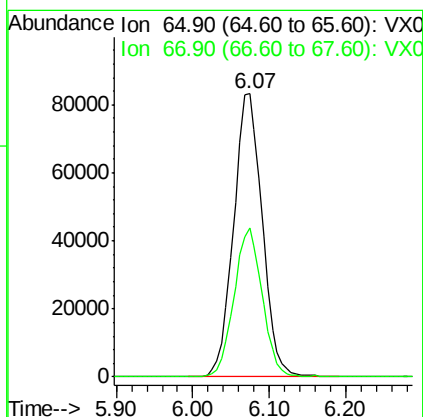
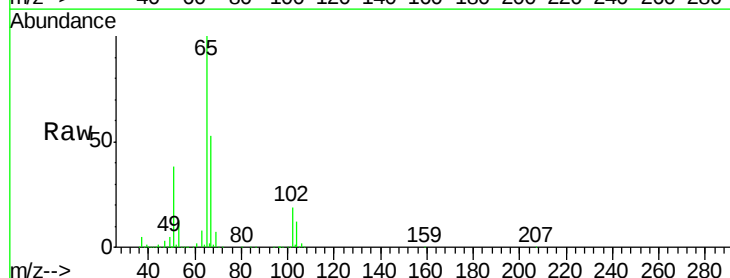
Instrument :
MSVOA_X
ClientSampleId :

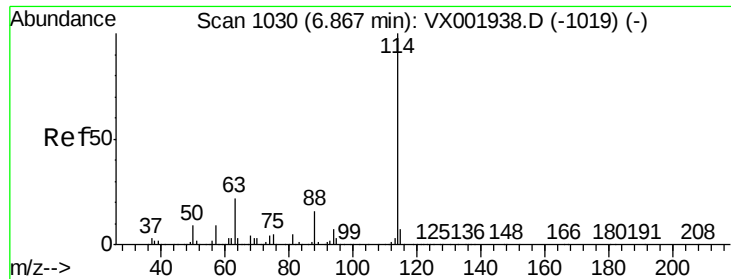
Tot Ion: 56 Resp: 6514
Ion Ratio Lower Upper
56 100
69 182.2 23.1 34.7#
84 140.9 62.0 93.0#



#33
1,2-Dichloroethane-d4
Concen: 35.73 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

Tgt Ion: 65 Resp: 216212
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.0

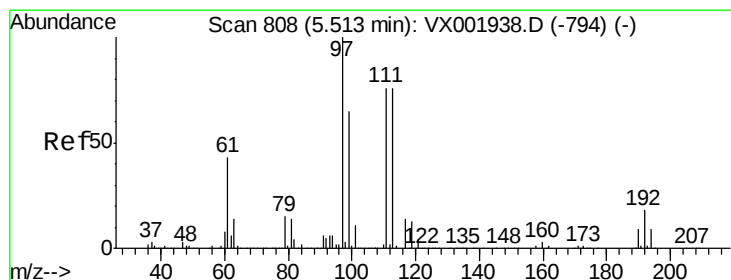
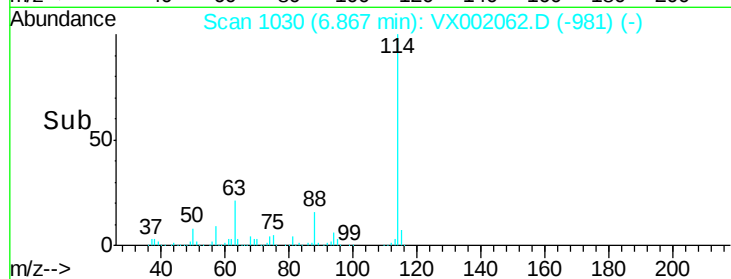
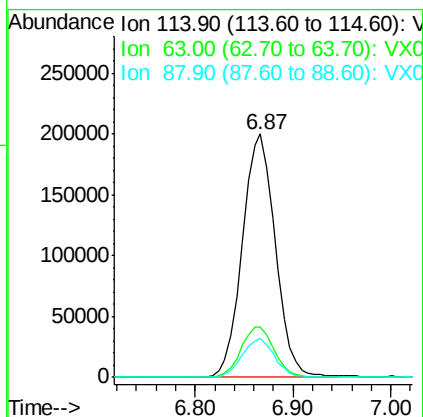
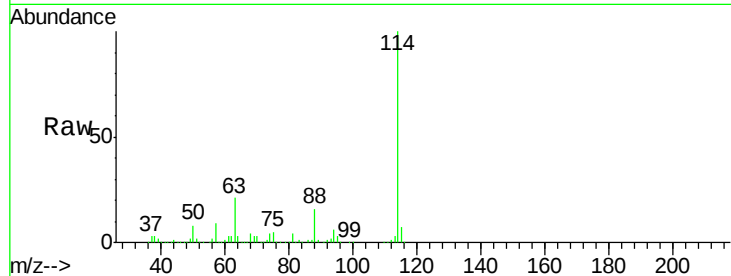




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002062.D
 Acq: 27 May 2018 12:16

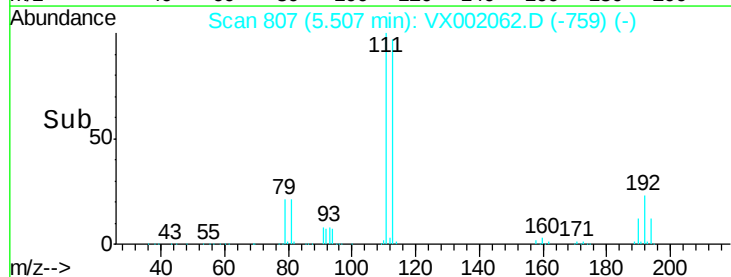
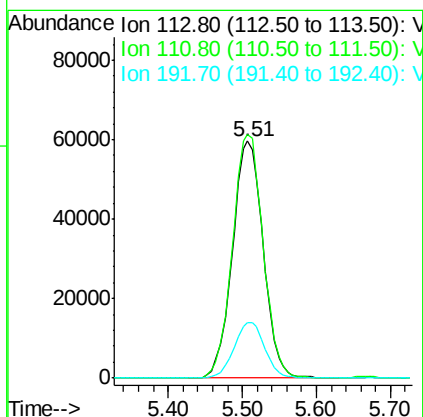
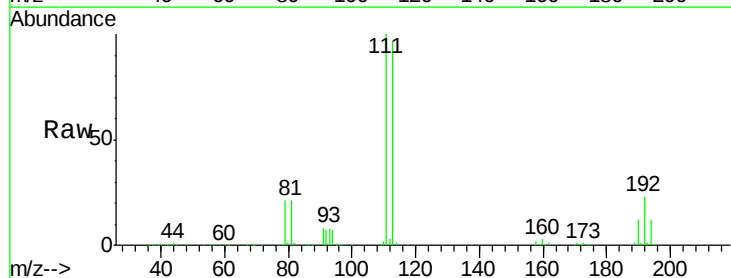
Instrument :
 MSVOA_X
 ClientSampleId :

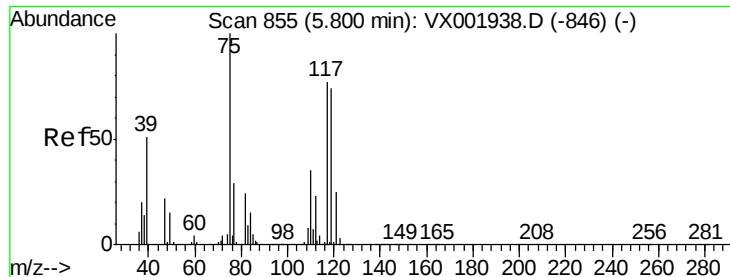
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.2
88	15.8	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 36.79 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002062.D
 Acq: 27 May 2018 12:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	23.6	18.9	28.3

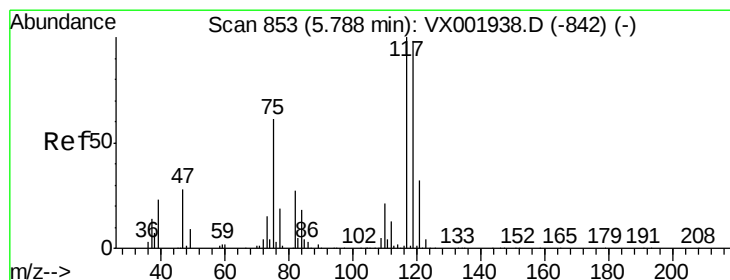
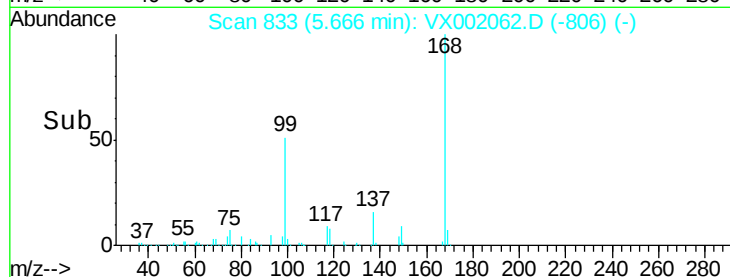
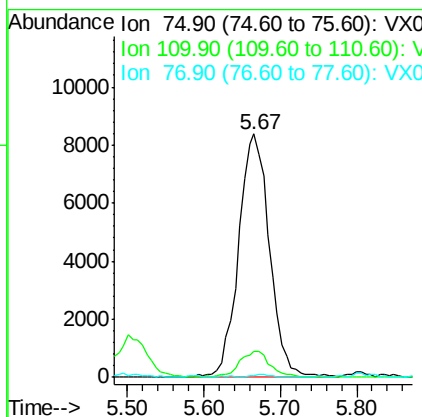
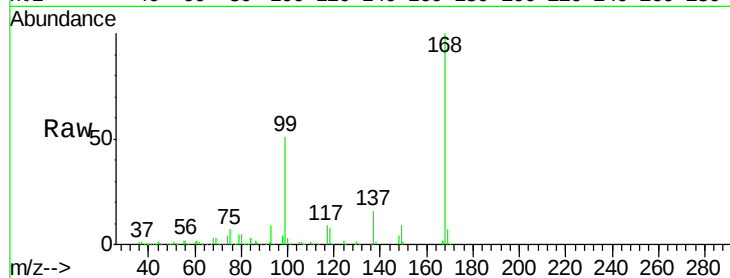




#36
 1,1-Dichloropropene
 Concen: 3.62 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002062.D
 Acq: 27 May 2018 12:16

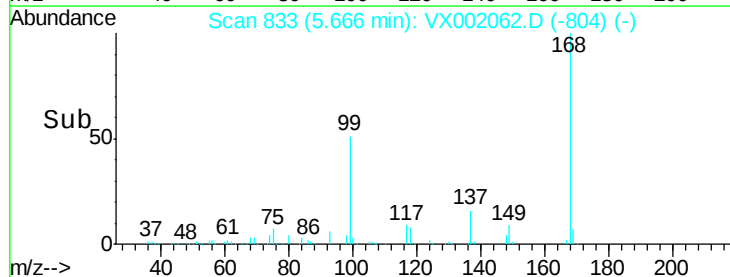
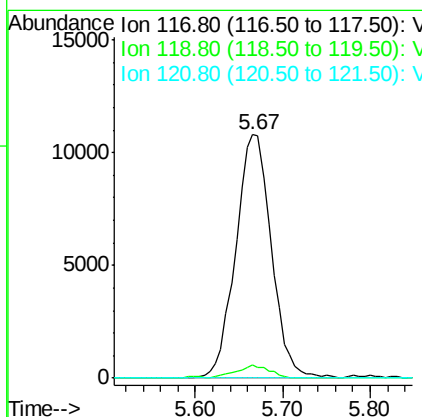
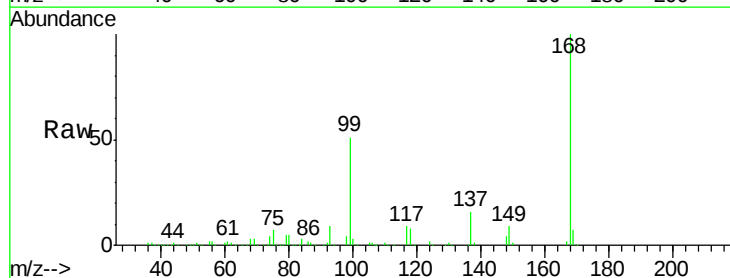
Instrument :
 MSVOA_X
 ClientSampled :

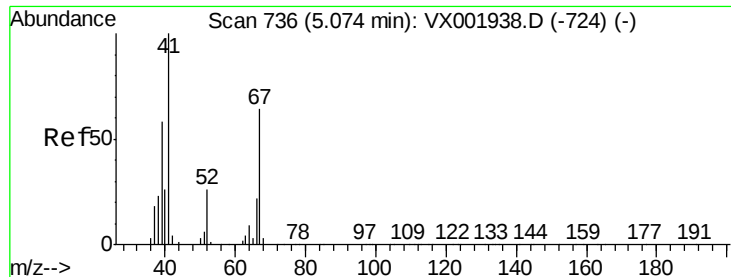
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.4	52.2#
77	0.7	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.02 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002062.D
 Acq: 27 May 2018 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.5	117.7#
121	0.0	25.5	38.3#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.06 min Scan# 734

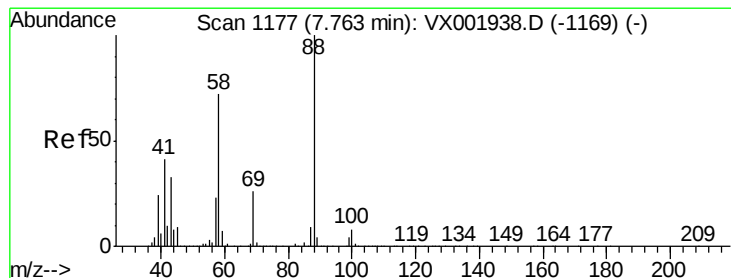
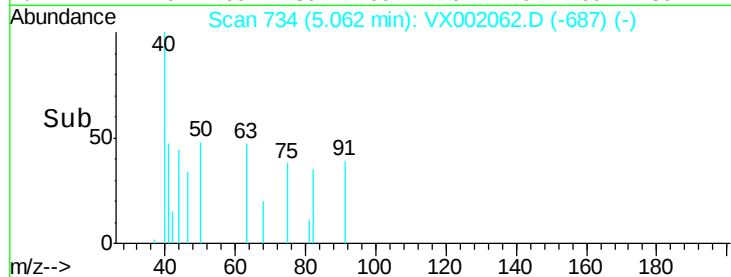
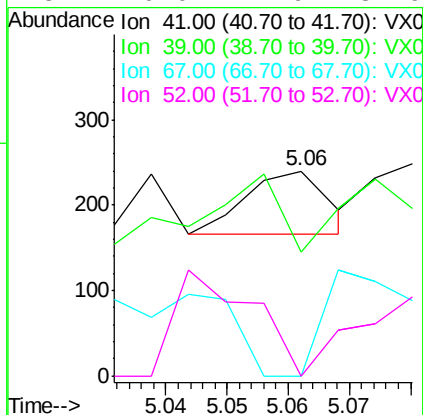
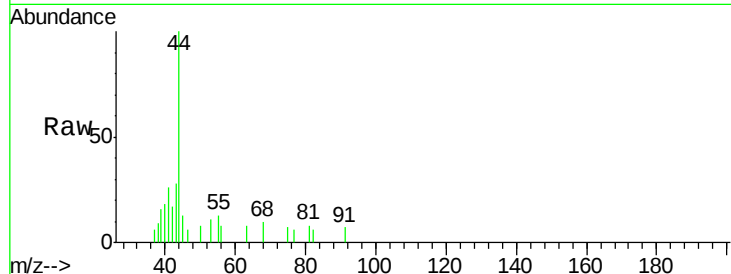
Delta R.T. -0.01 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	41	Resp:	69
Ion	Ratio	Lower	Upper
41	100		
39	114.5	46.0	69.0#
67	268.1	50.6	75.8#
52	0.0	21.9	32.9#



#49

1,4-Dioxane

Concen: 0.44 ug/l

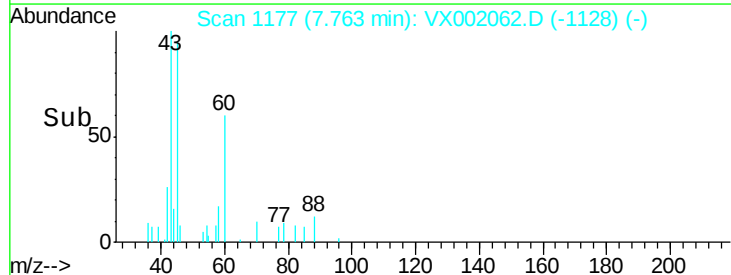
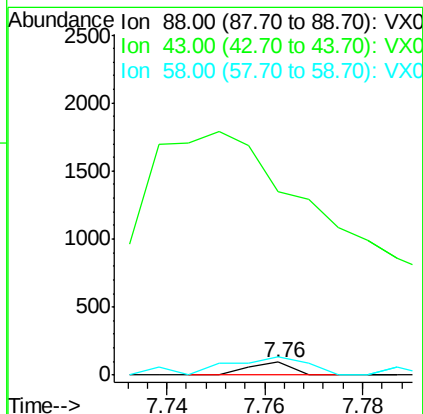
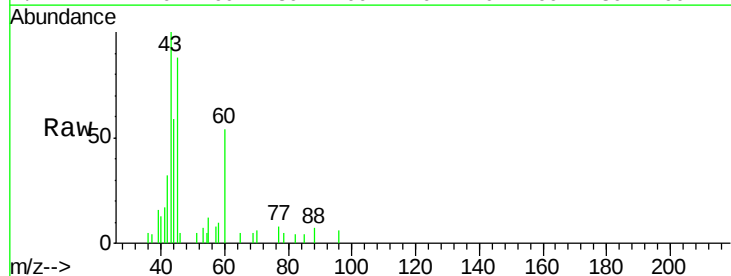
RT: 7.76 min Scan# 1177

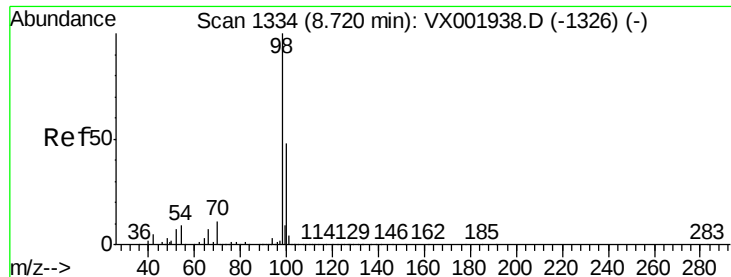
Delta R.T. 0.00 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Tgt Ion:	88	Resp:	56
Ion	Ratio	Lower	Upper
88	100		
43	7223.2	29.8	44.8#
58	253.6	58.7	88.1#

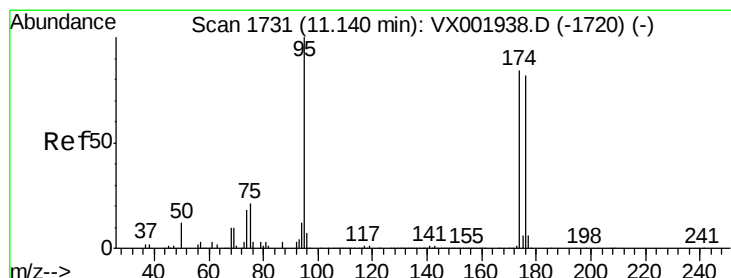
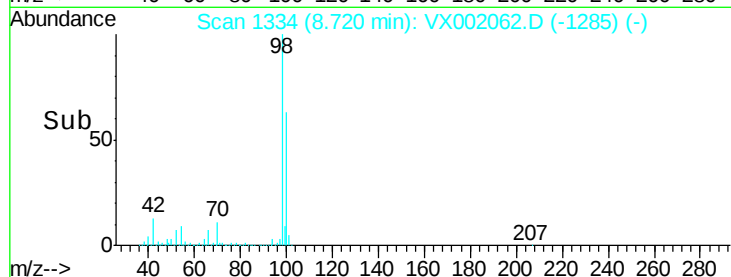
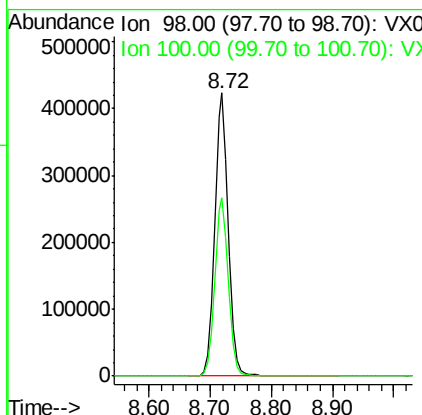
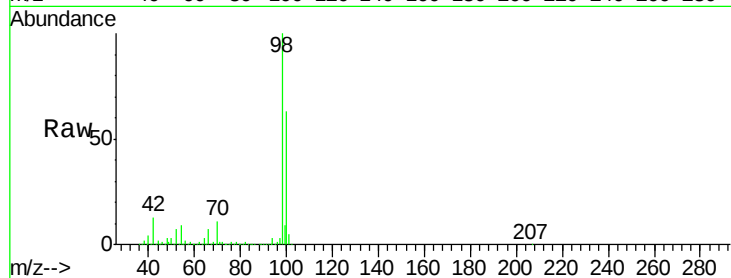




#50
Toluene-d8
Concen: 39.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

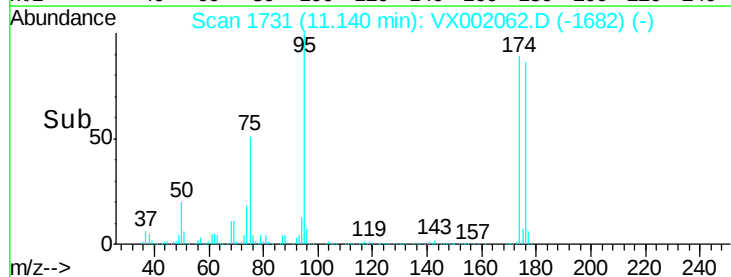
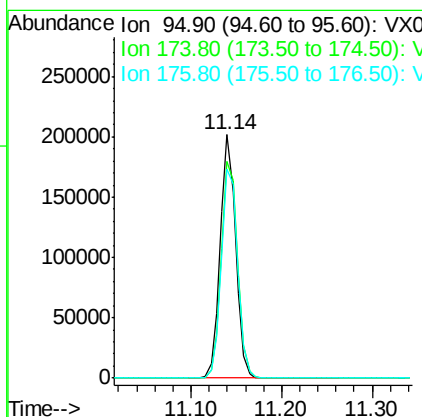
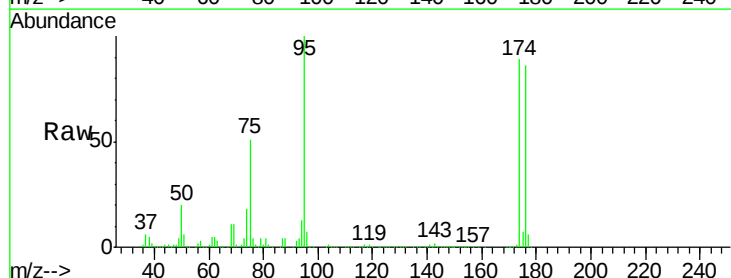
Instrument :
MSVOA_X
ClientSampleId :

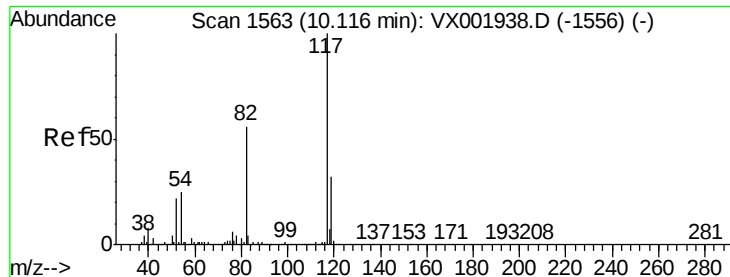
Tot Ion: 98 Resp: 671376
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 36.31 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002062.D
Acq: 27 May 2018 12:16

Tgt Ion: 95 Resp: 241050
Ion Ratio Lower Upper
95 100
174 93.8 0.0 178.8
176 90.7 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: VX002062.D

Acq: 27 May 2018 12:16

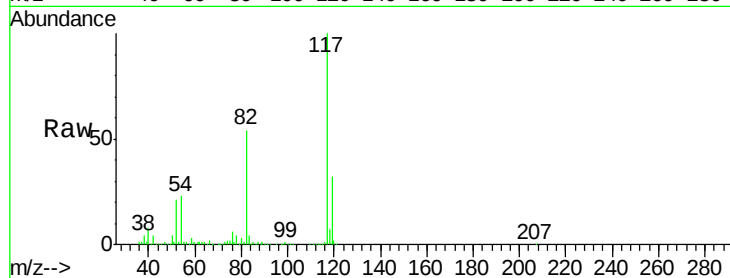
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:117 Resp: 426767

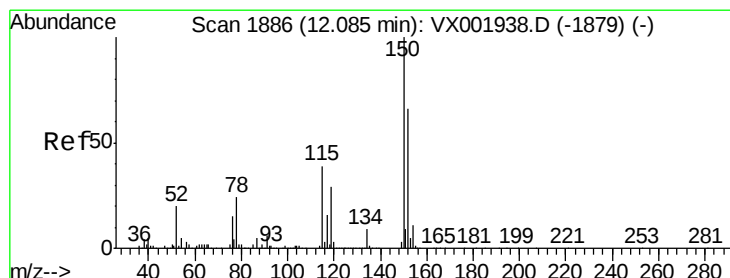
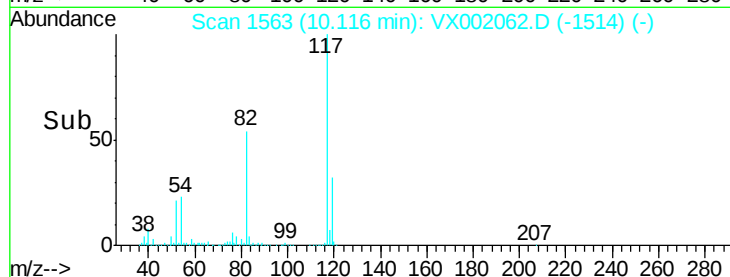
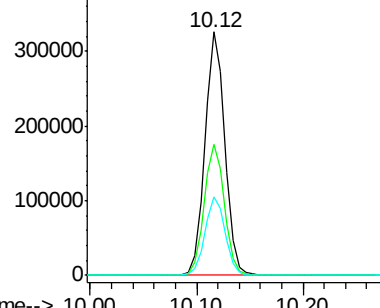
Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.8	67.2
119	32.3	25.5	38.3



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

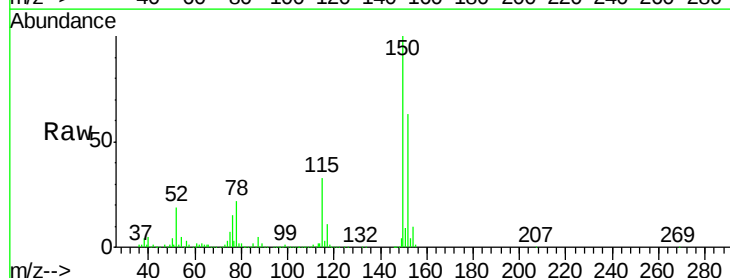
Delta R.T. 0.00 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Tgt Ion:152 Resp: 237083

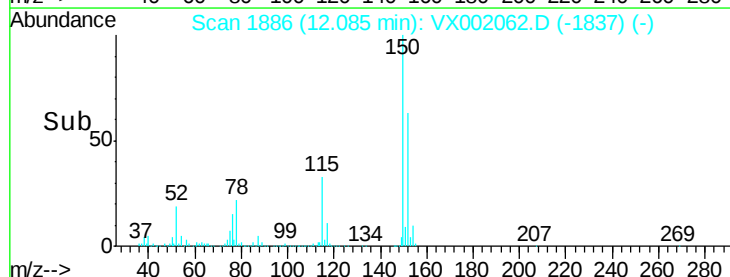
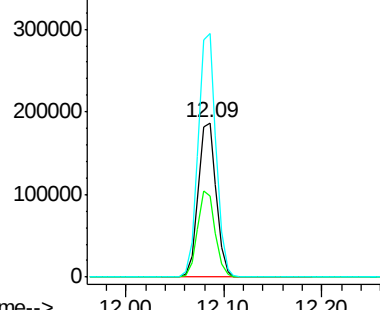
Ion	Ratio	Lower	Upper
152	100		
115	54.7	42.3	126.8
150	157.0	0.0	351.0

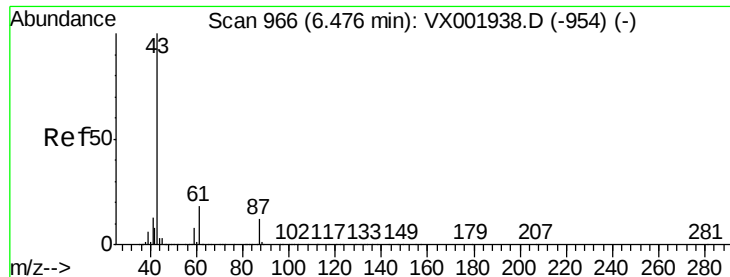


Abundance Ion 151.90 (151.60 to 152.60): V

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

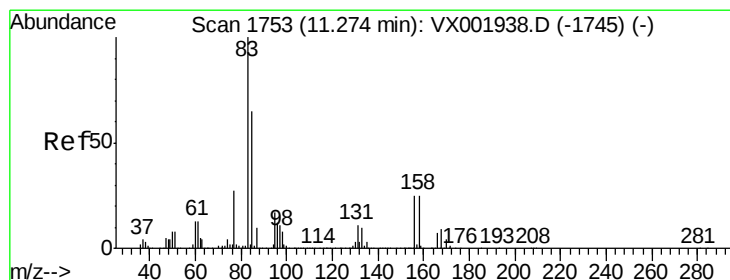
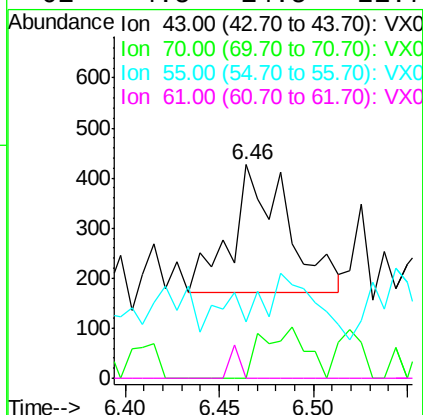
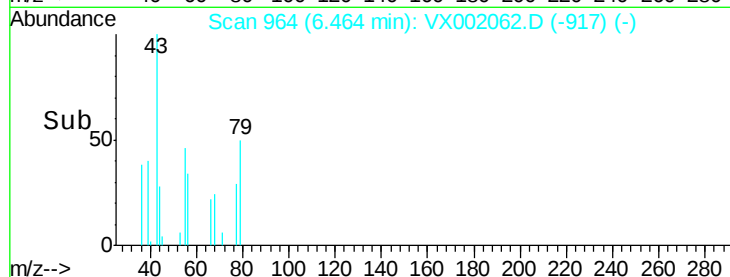
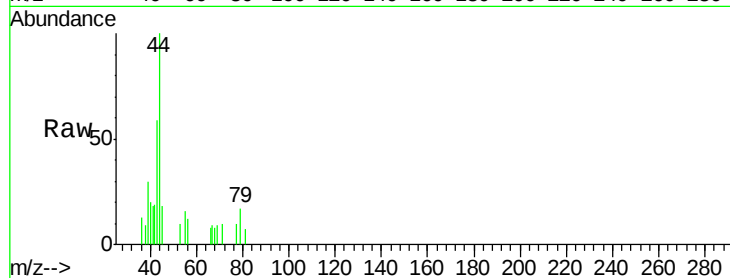
Delta R.T. -0.01 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	529
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.1	0.1#
55	14.2	0.1	0.1#
61	4.5	14.5	21.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

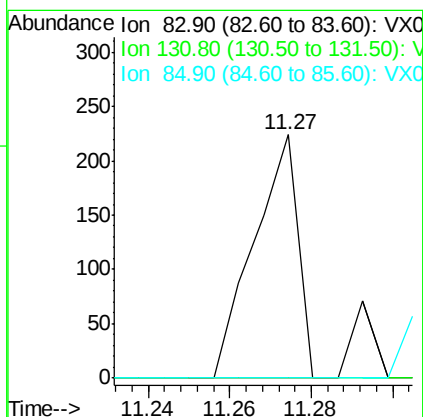
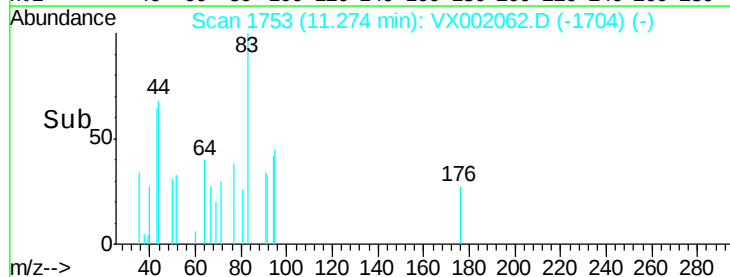
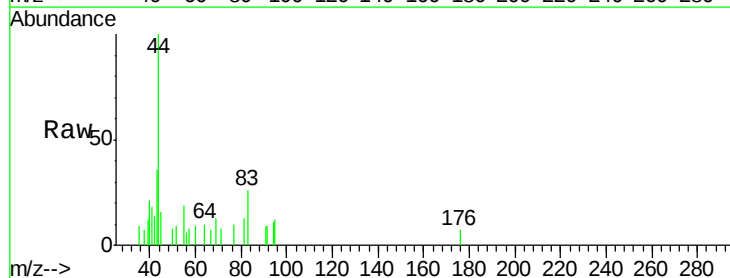
RT: 11.27 min Scan# 1753

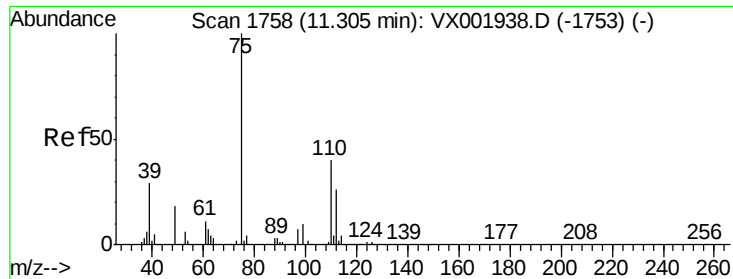
Delta R.T. 0.00 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Tgt Ion:	83	Resp:	169
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: 22.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Instrument :

MSVOA_X

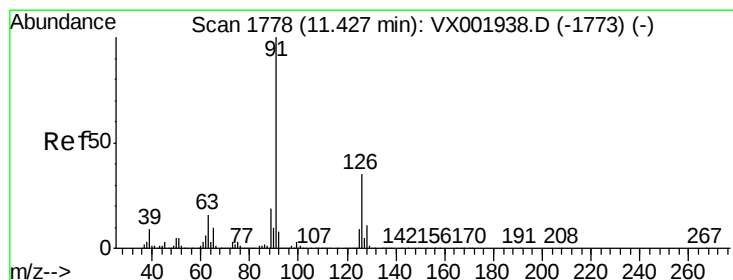
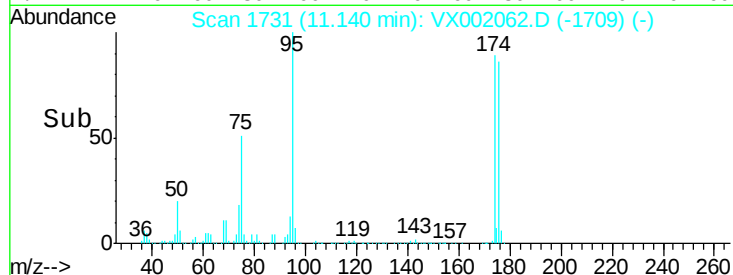
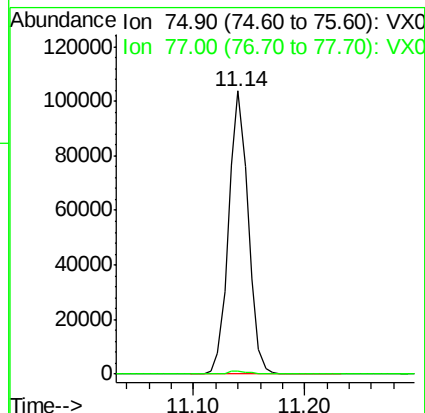
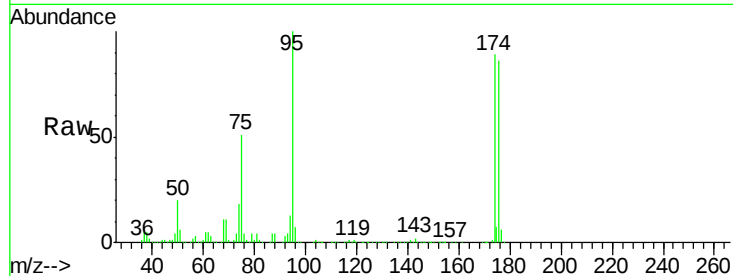
ClientSampleId :

Tot Ion: 75 Resp: 125544

Ion Ratio Lower Upper

75 100

77 1.3 22.8 68.3#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002062.D

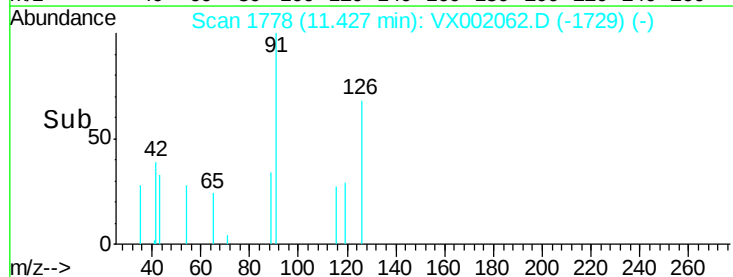
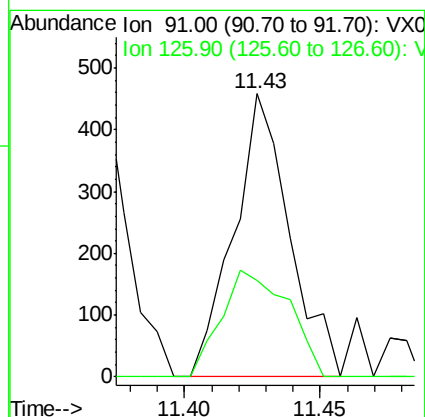
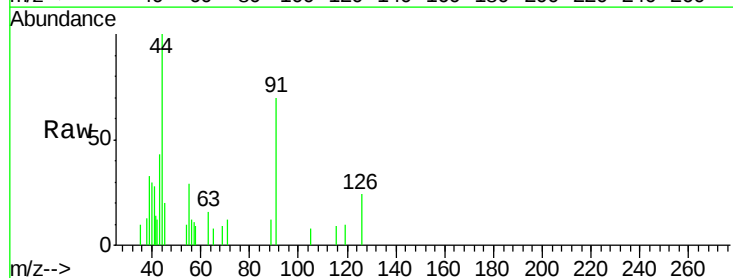
Acq: 27 May 2018 12:16

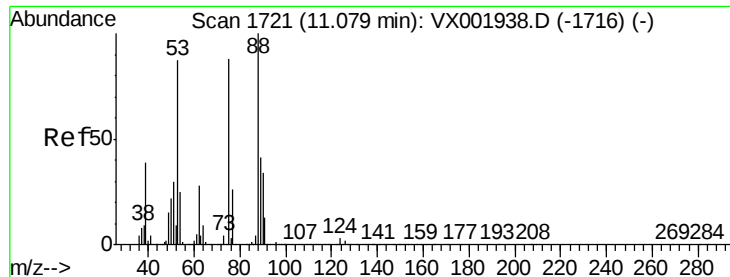
Tgt Ion: 91 Resp: 650

Ion Ratio Lower Upper

91 100

126 45.2 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 52.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002062.D

Acq: 27 May 2018 12:16

Instrument :

MSVOA_X

ClientSampleId :

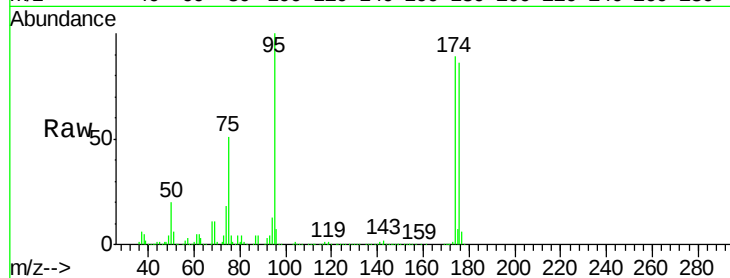
Tot Ion: 75 Resp: 125544

Ion Ratio Lower Upper

75 100

53 0.1 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

