

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008073.D
 Acq On : 14 Mar 2019 16:19
 Operator : JC/SP
 Sample : K1847-07
 Misc : 5.90µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUP-7B-G-7-031119

Quant Time: Mar 15 04:25:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	260440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399849	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	130451	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	5.50	113	120007	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	8.71	98	487649	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.14	95	198417	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	

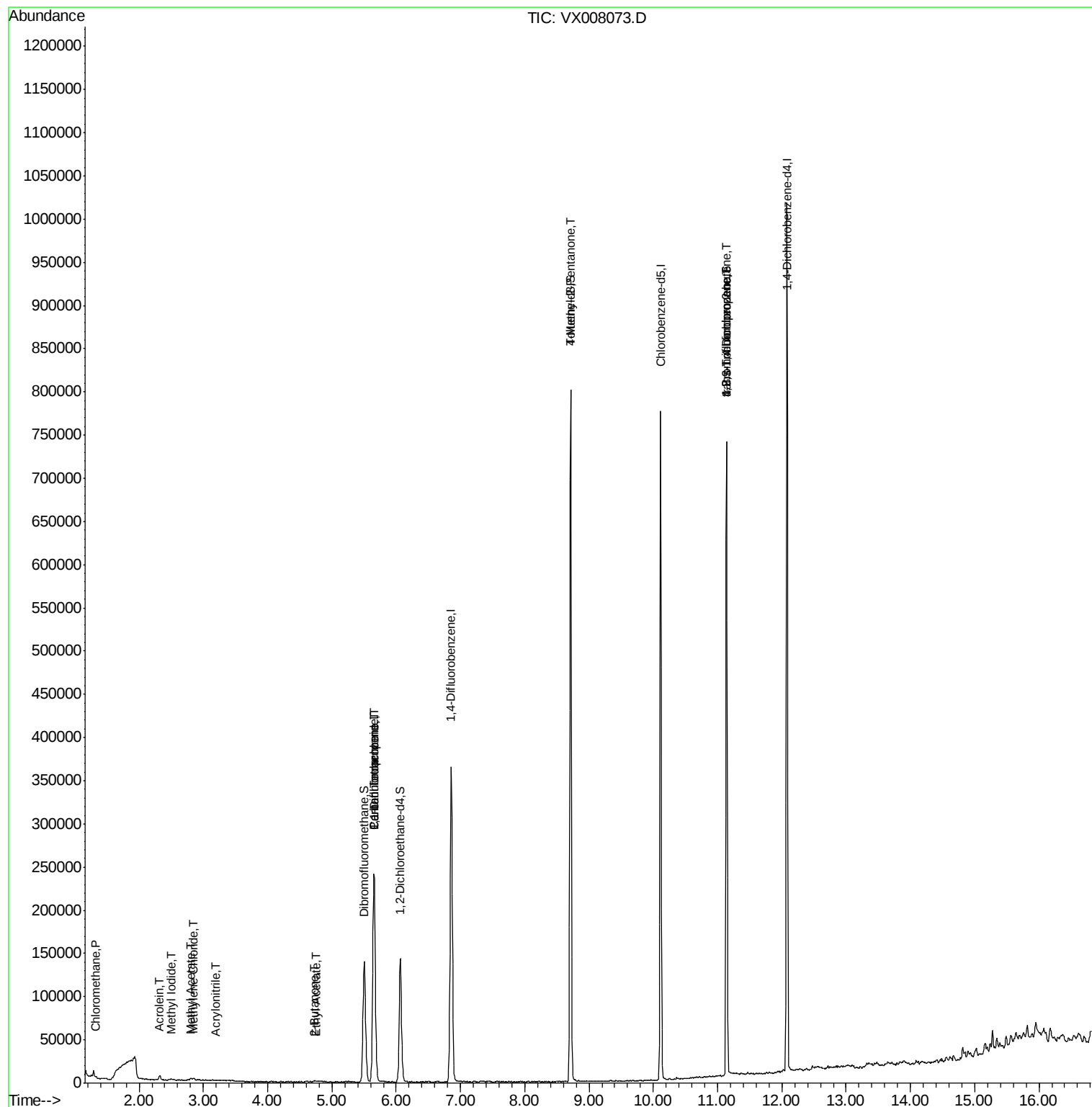
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1092	0.445	ug/l #	85
5) Bromomethane	1.64	94	867	Below Cal		95
6) Chloroethane	1.70	64	131	Below Cal	#	43
10) Methyl Iodide	2.49	142	629	0.214	ug/l	98
13) Acrolein	2.31	56	115	0.246	ug/l #	1
15) Acrylonitrile	3.19	53	430	0.347	ug/l #	83
18) Methyl Acetate	2.80	43	2374	0.886	ug/l #	88
20) Methylene Chloride	2.84	84	1007	0.455	ug/l	95
25) 2-Butanone	4.73	43	596	0.313	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	15467	4.702	ug/l #	49
37) Ethyl Acetate	4.75	43	951	0.269	ug/l #	68
38) Carbon Tetrachloride	5.65	117	21529	6.800	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1920	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	87313	22.958	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	87313	65.329	ug/l #	11

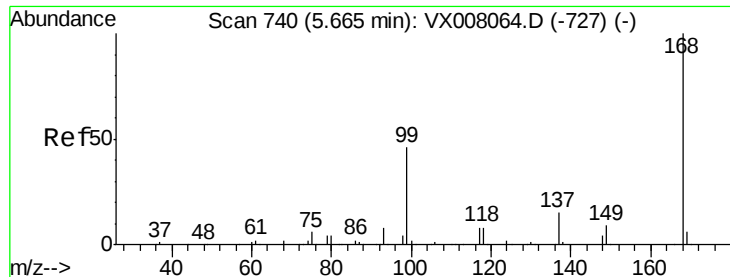
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008073.D

Acq: 14 Mar 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

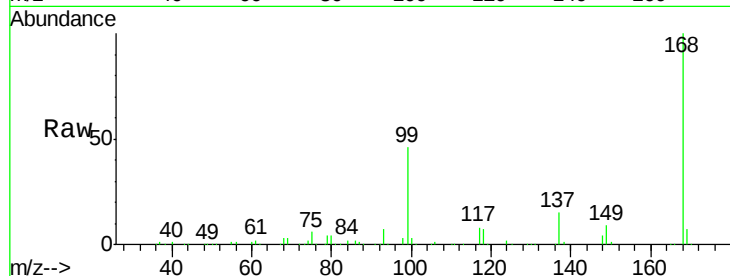
SUP-7B-G-7-031119

Tot Ion:168 Resp: 260440

Ion Ratio Lower Upper

168 100

99 45.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

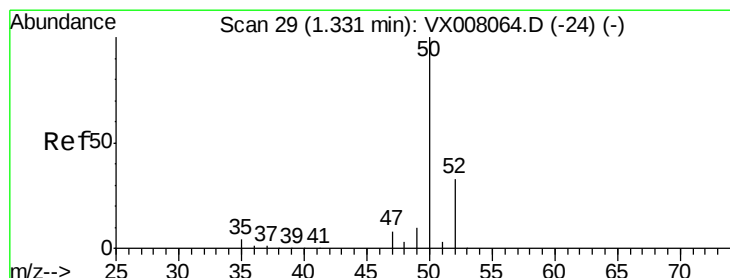
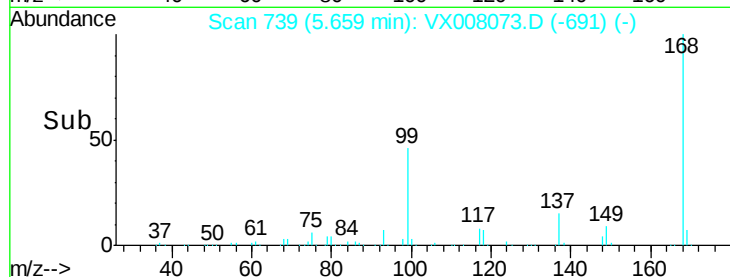
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.445 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008073.D

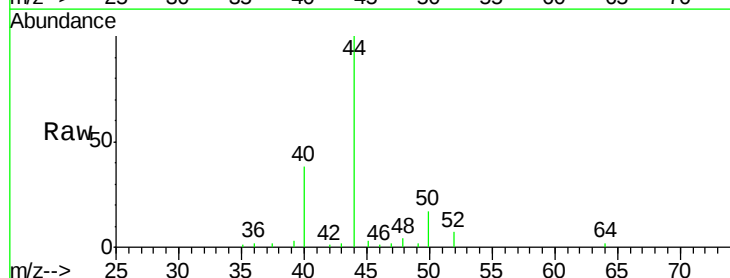
Acq: 14 Mar 2019 16:19

Tgt Ion: 50 Resp: 1092

Ion Ratio Lower Upper

50 100

52 41.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

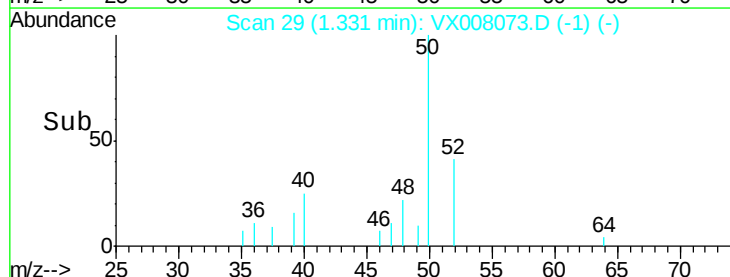
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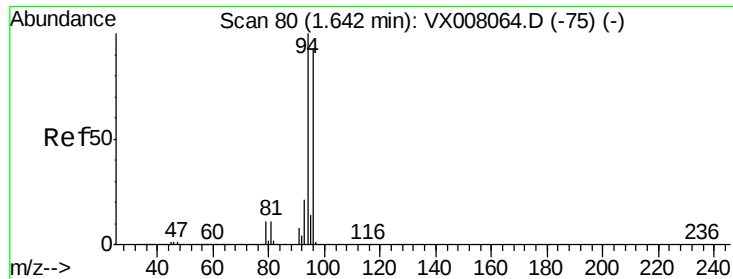
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX008073.D

Acq: 14 Mar 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

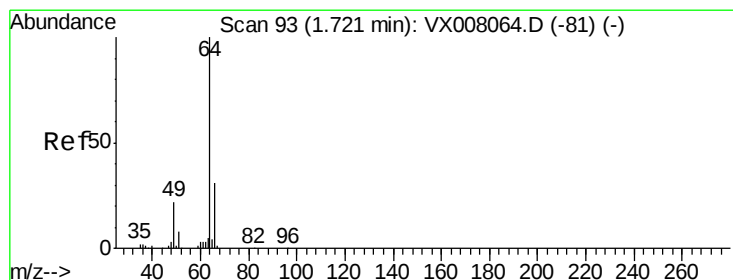
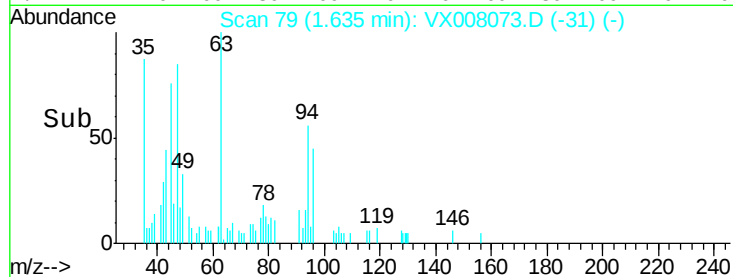
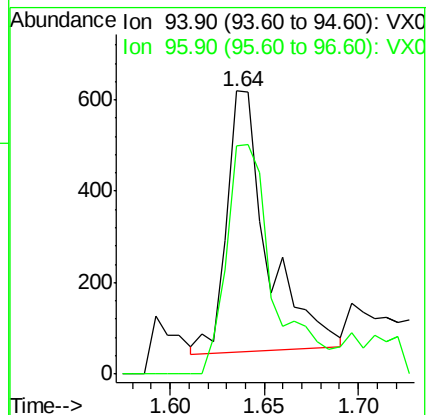
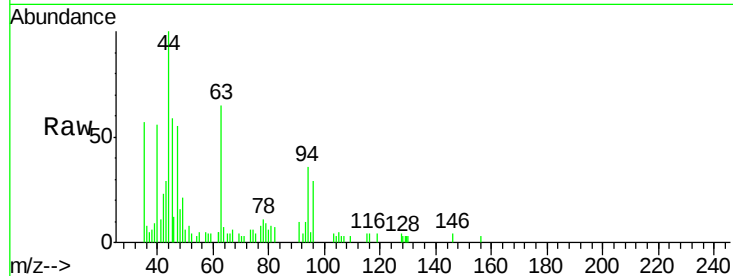
SUP-7B-G-7-031119

Tot Ion: 94 Resp: 867

Ion Ratio Lower Upper

94 100

96 89.4 75.5 113.3



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008073.D

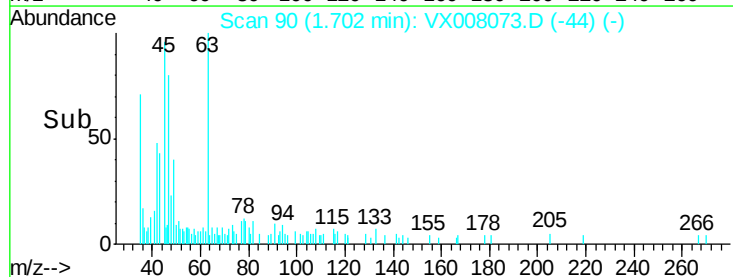
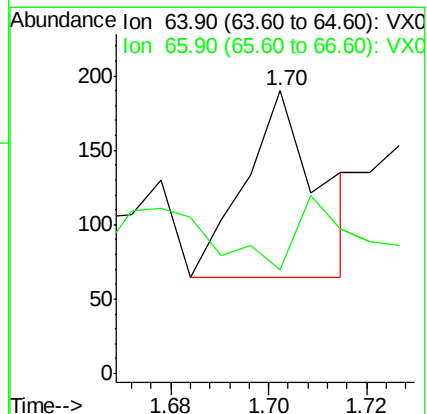
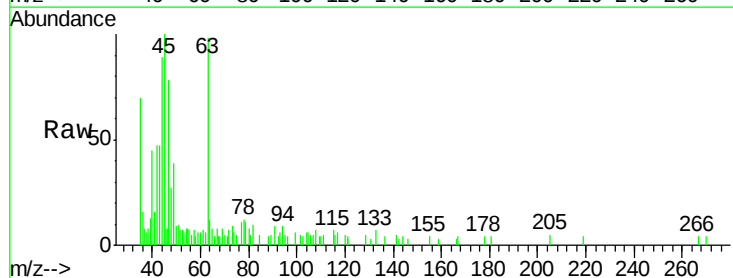
Acq: 14 Mar 2019 16:19

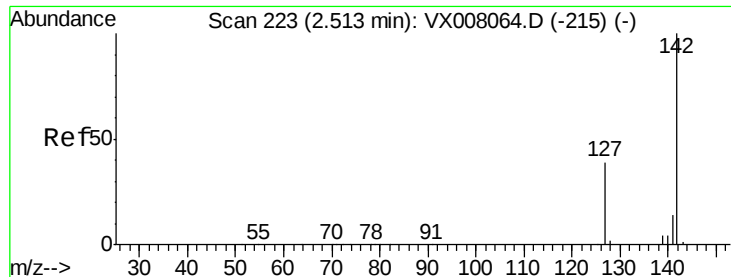
Tgt Ion: 64 Resp: 131

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#

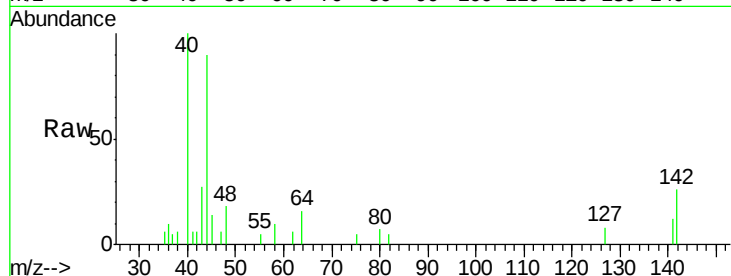




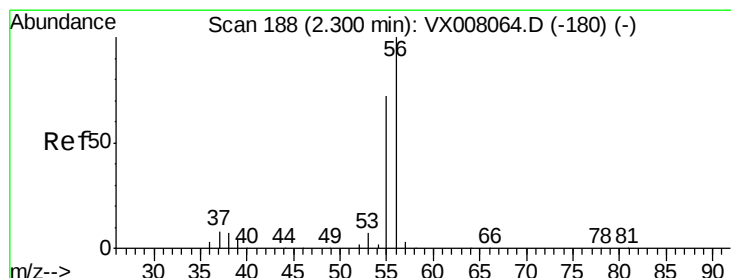
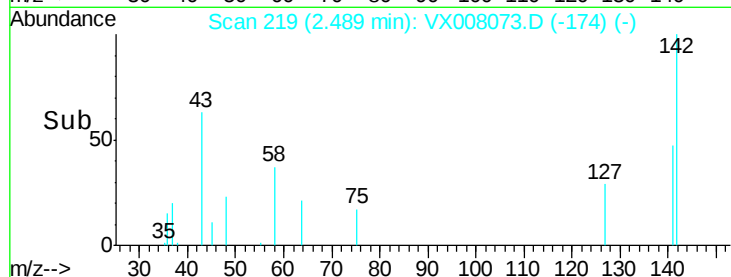
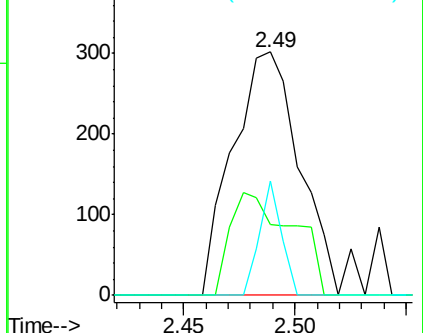
#10
Methvl Iodide
Concen: 0.214 ug/l
RT: 2.49 min Scan# 219
Delta R.T. -0.02 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

Instrument :
MSVOA_X
ClientSampleId :
SUP-7B-G-7-031119

Tot Ion:142 Resp: 629
Ion Ratio Lower Upper
142 100
127 39.4 32.1 48.1
141 15.6 11.4 17.2

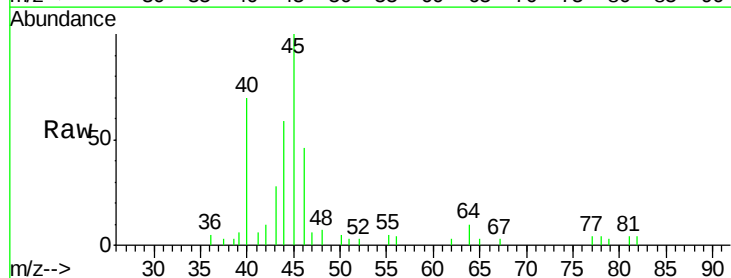


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

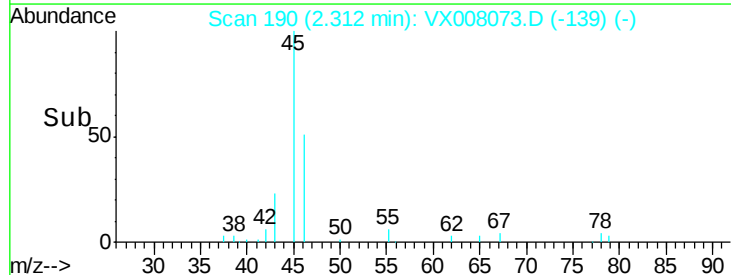
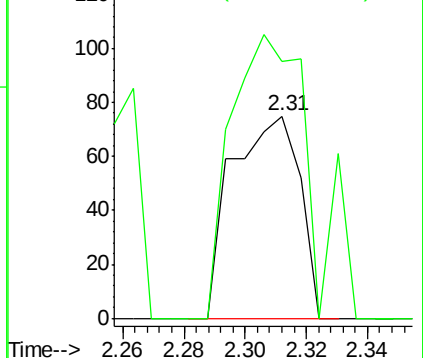


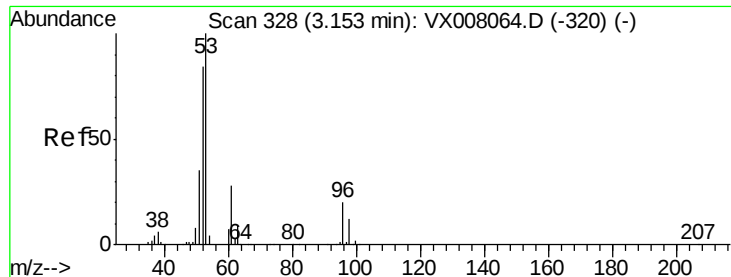
#13
Acrolein
Concen: 0.246 ug/l
RT: 2.31 min Scan# 190
Delta R.T. 0.01 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 164.3 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.347 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.04 min

Lab File: VX008073.D

Acq: 14 Mar 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

SUP-7B-G-7-031119

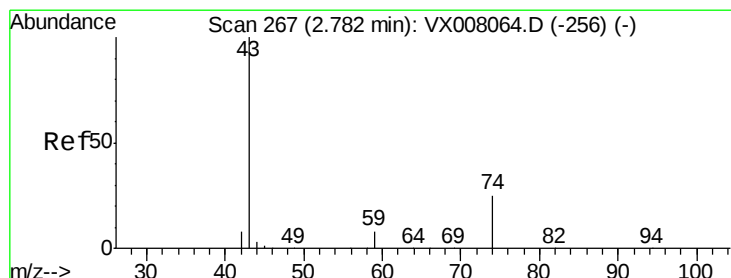
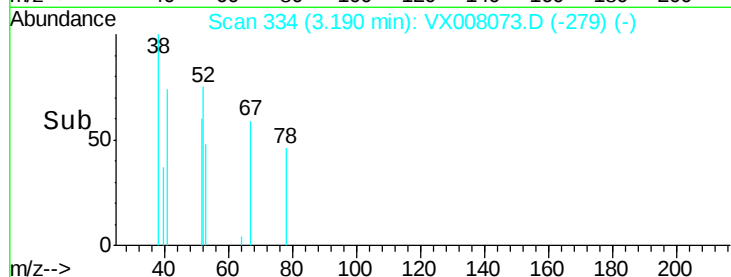
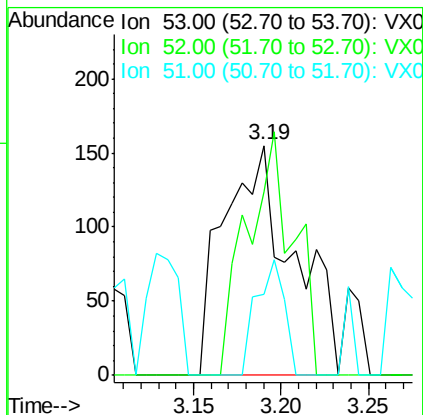
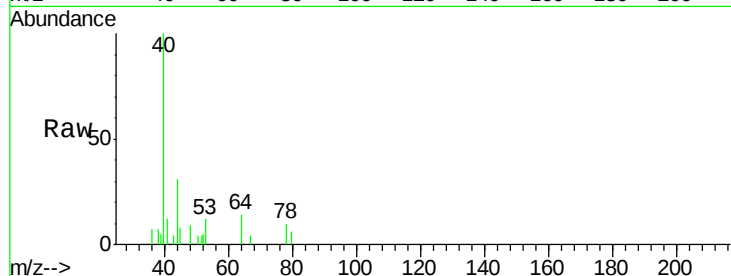
Tot Ion: 53 Resp: 430

Ion Ratio Lower Upper

53 100

52 70.9 66.0 99.0

51 20.2 28.0 42.0#



#18

Methyl Acetate

Concen: 0.886 ug/l

RT: 2.80 min Scan# 270

Delta R.T. 0.02 min

Lab File: VX008073.D

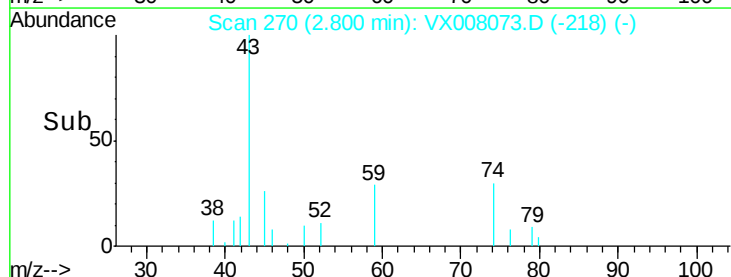
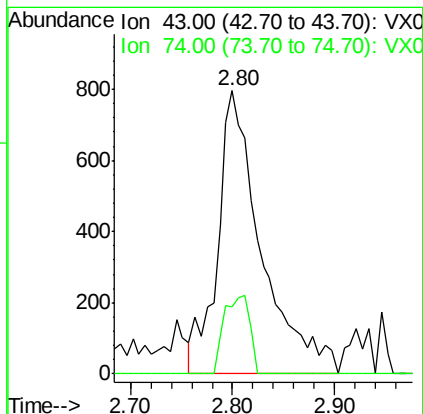
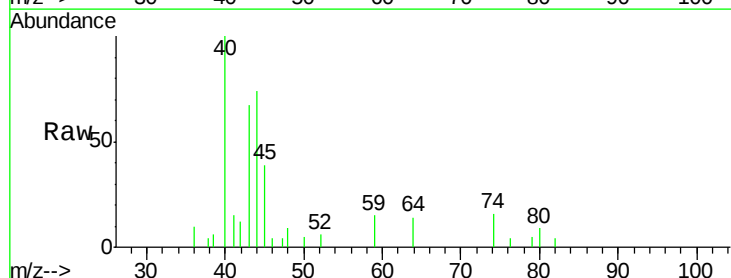
Acq: 14 Mar 2019 16:19

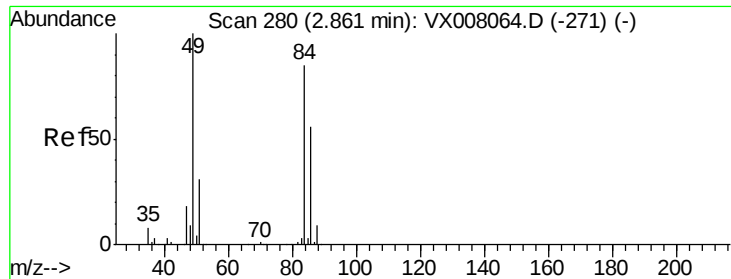
Tgt Ion: 43 Resp: 2374

Ion Ratio Lower Upper

43 100

74 16.3 17.8 26.6#

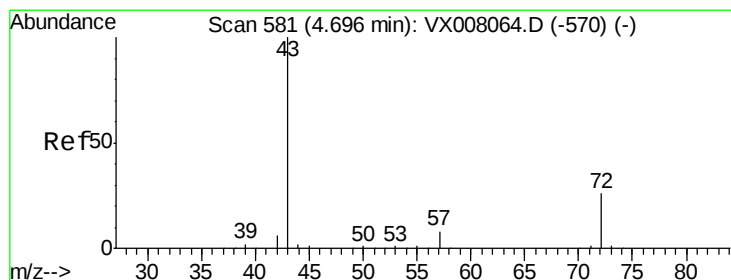
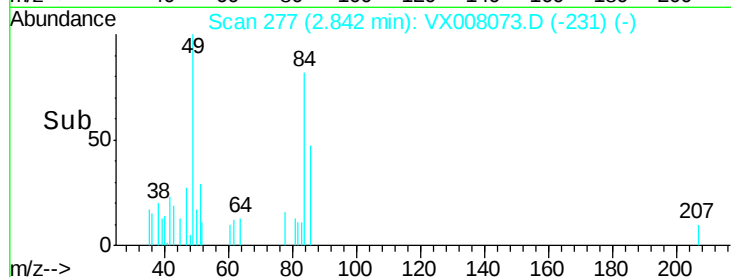
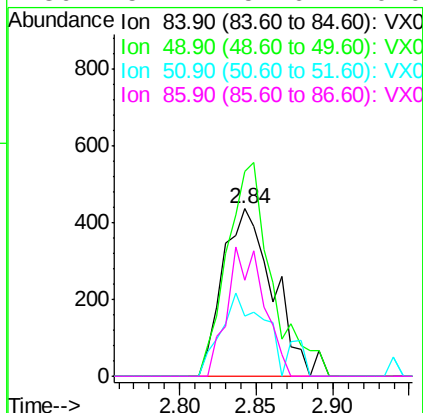
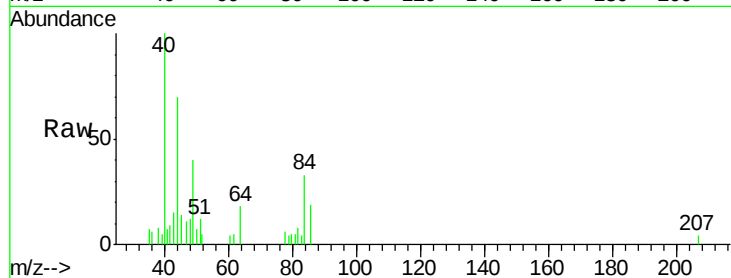




#20
Methvlene Chloride
Concen: 0.455 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

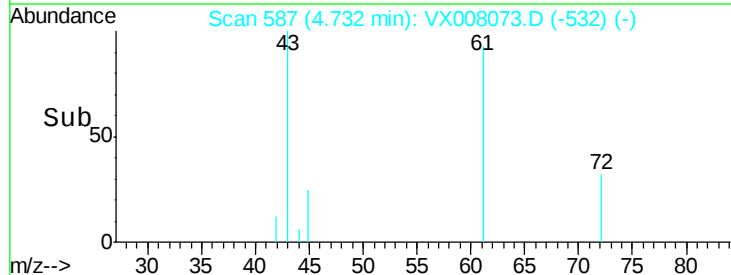
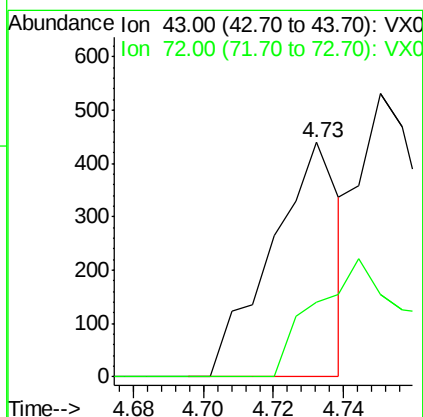
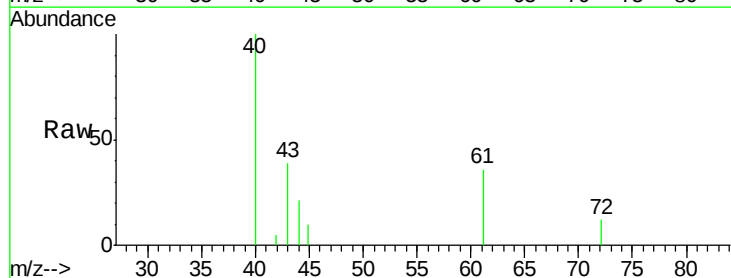
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SUP-7B-G-7-031119

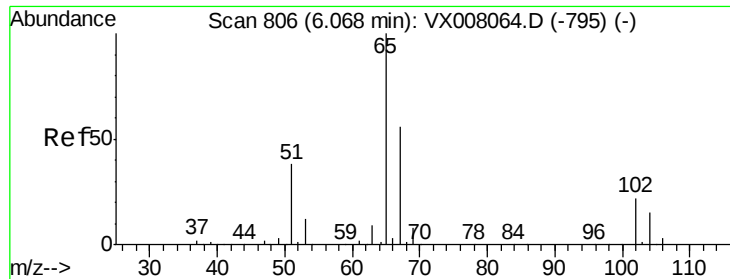
Tot Ion:	84	Resp:	1007
Ion	Ratio	Lower	Upper
84	100		
49	122.5	99.3	148.9
51	36.1	31.3	46.9
86	57.2	52.6	79.0



#25
2-Butanone
Concen: 0.313 ug/l
RT: 4.73 min Scan# 587
Delta R.T. 0.04 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

Tgt Ion:	43	Resp:	596
Ion	Ratio	Lower	Upper
43	100		
72	31.8	19.9	29.9#

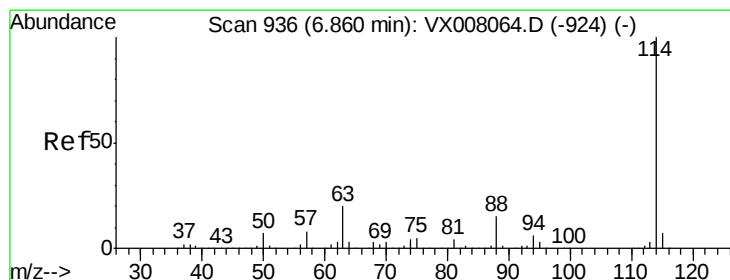
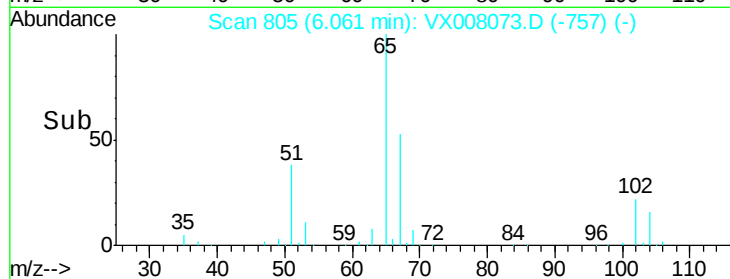
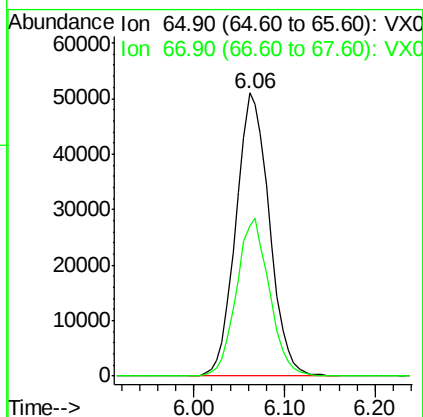
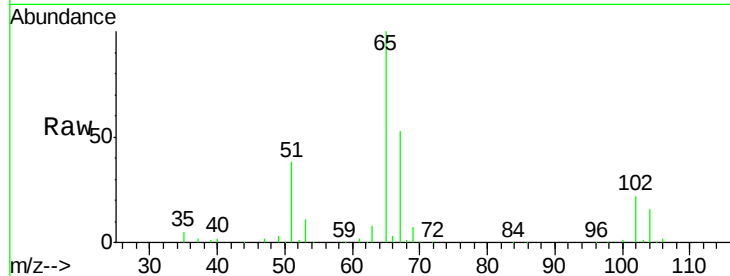




#33
 1,2-Dichloroethane-d4
 Concen: 49.655 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008073.D
 Acq: 14 Mar 2019 16:19

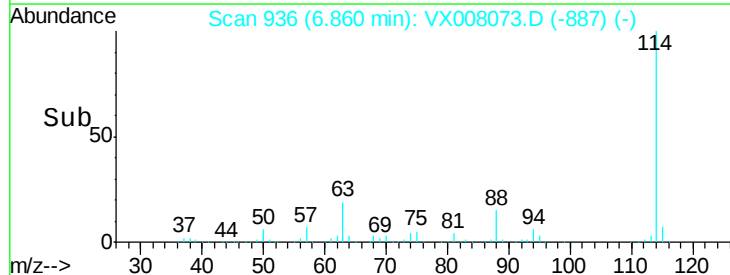
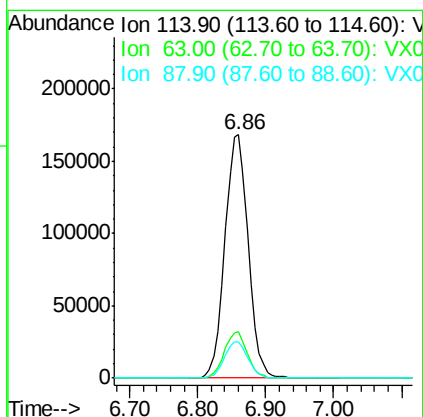
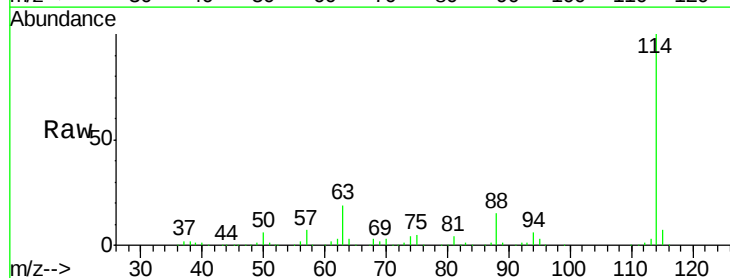
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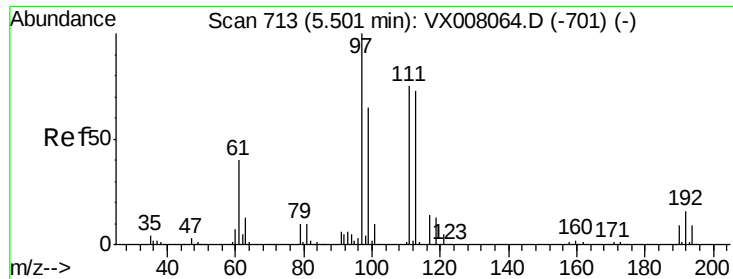
Tot Ion: 65 Resp: 130451
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008073.D
 Acq: 14 Mar 2019 16:19

Tgt Ion: 114 Resp: 399849
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.8
 88 14.8 0.0 31.4

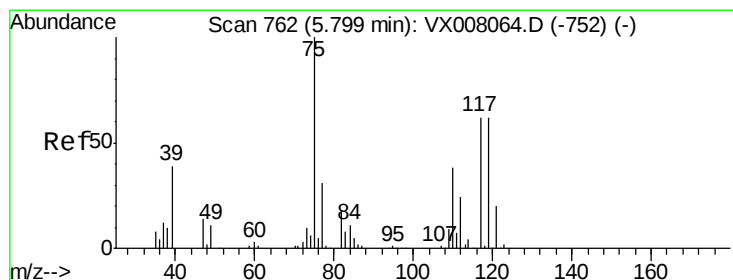
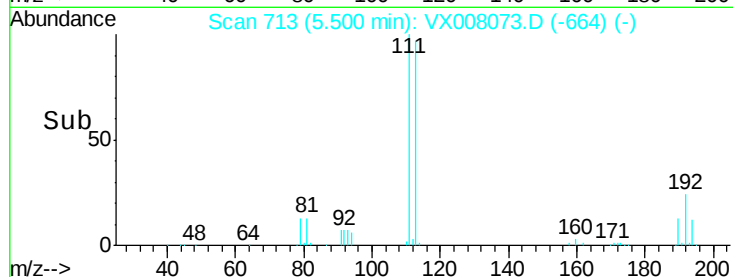
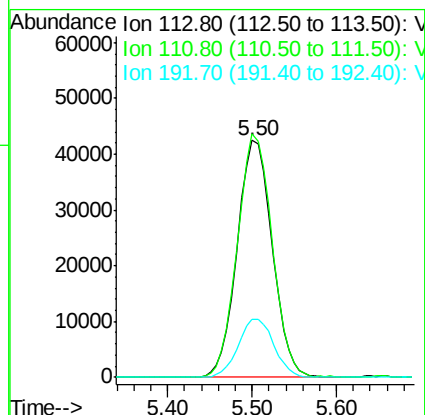
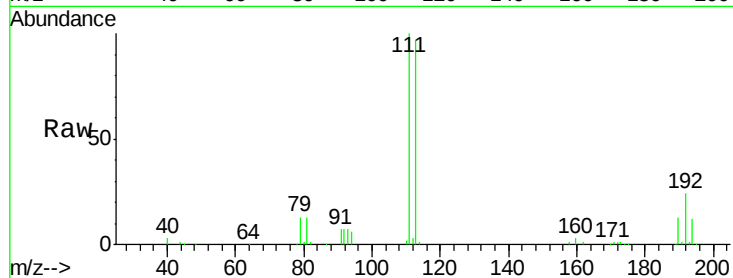




#35
 Dibromofluoromethane
 Concen: 47.328 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008073.D
 Acq: 14 Mar 2019 16:19

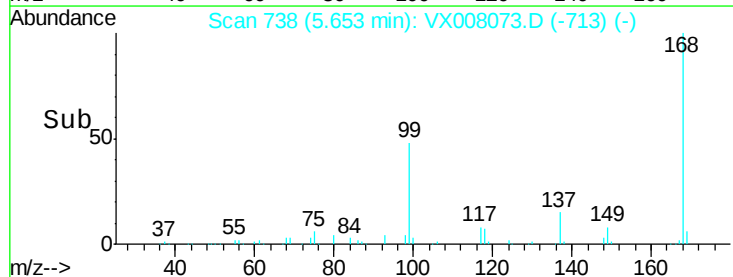
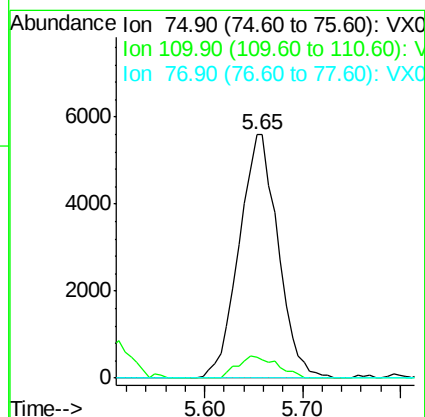
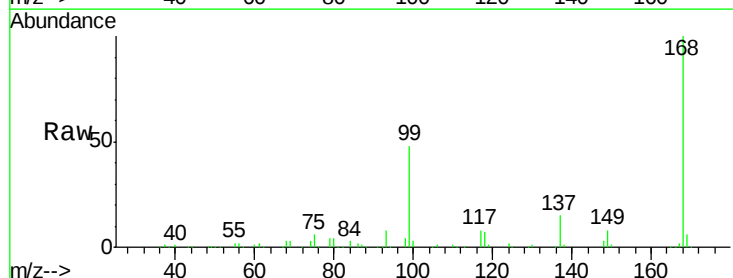
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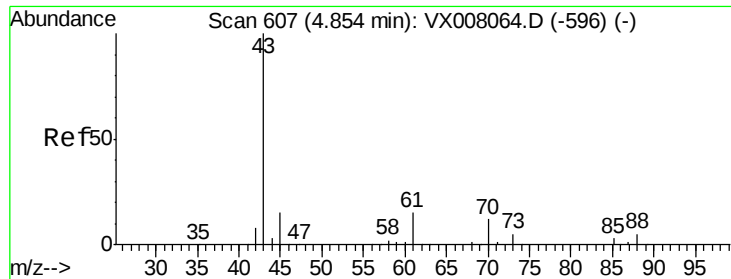
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	25.0	19.4	29.0



#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008073.D
 Acq: 14 Mar 2019 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.0#
77	0.0	25.0	37.4#

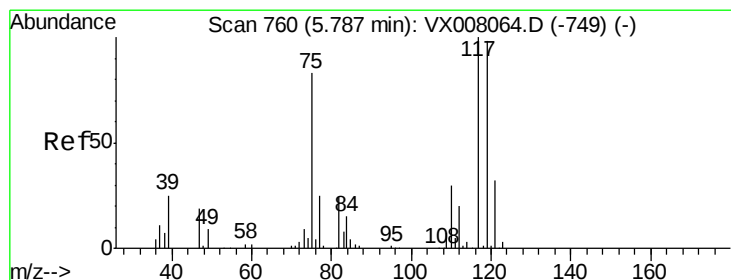
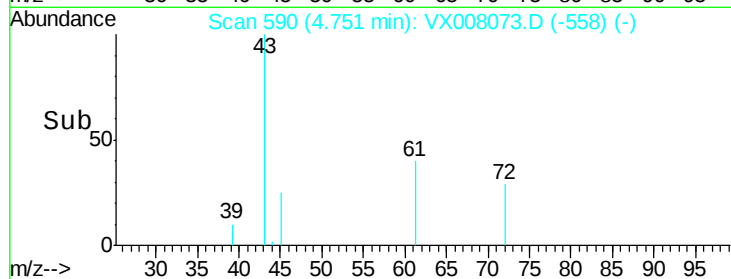
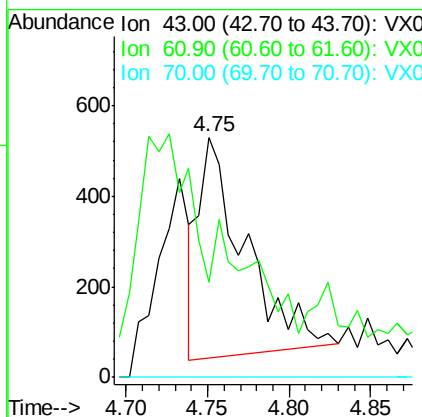
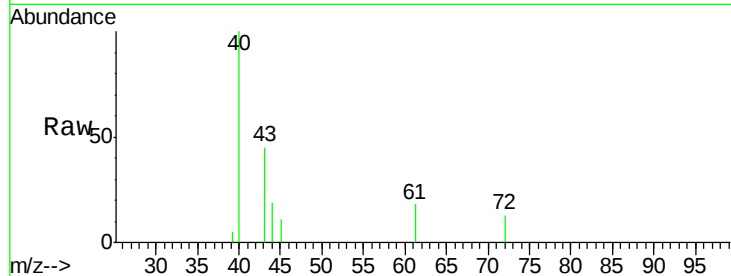




#37
Ethyl Acetate
Concen: 0.269 ug/l
RT: 4.75 min Scan# 590
Delta R.T. -0.10 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

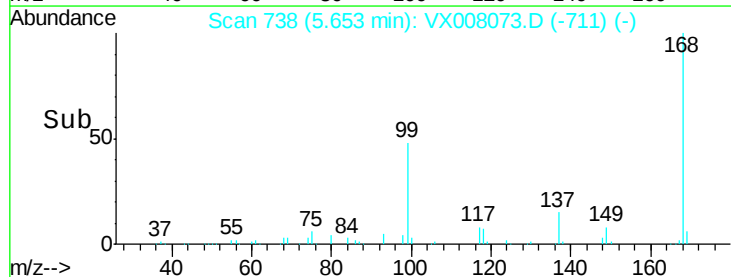
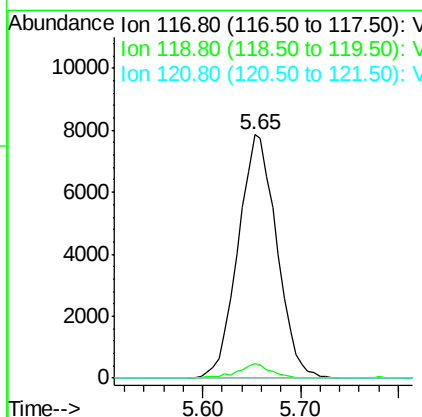
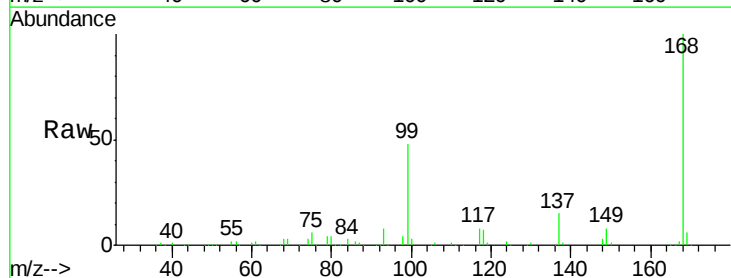
Instrument :
MSVOA_X
ClientSampleId :
SUP-7B-G-7-031119

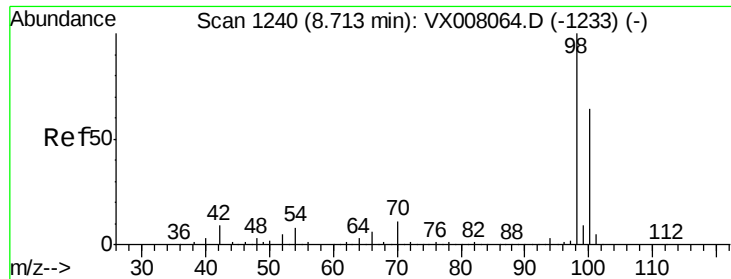
Tot Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 6.800 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

Tgt Ion: 117 Resp: 21529
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.6 36.8#

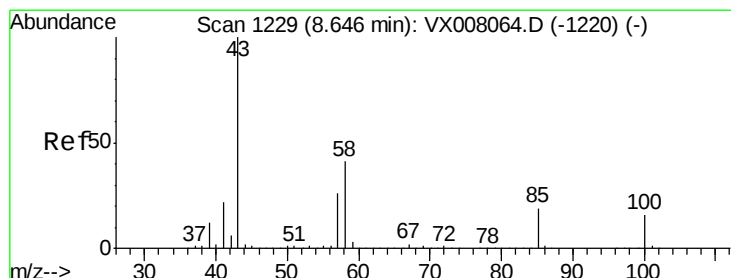
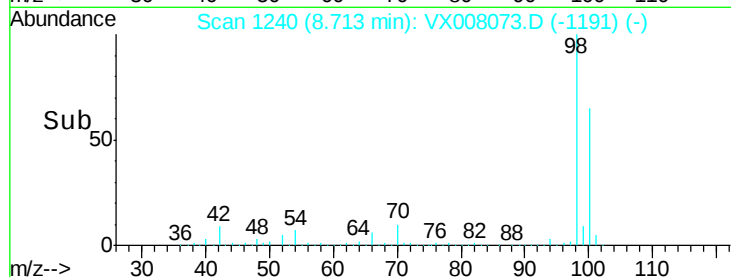
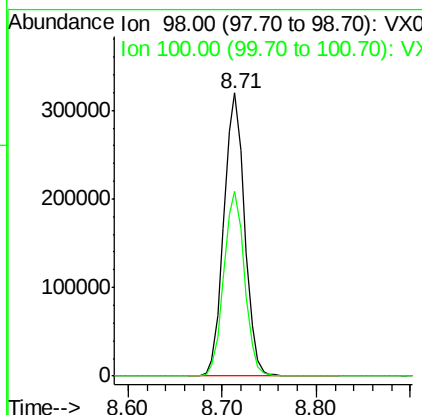
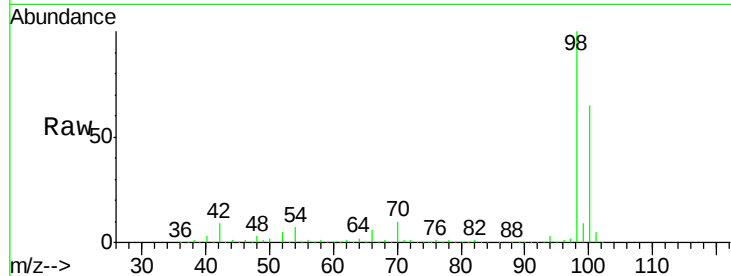




#50
Toluene-d8
Concen: 50.566 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

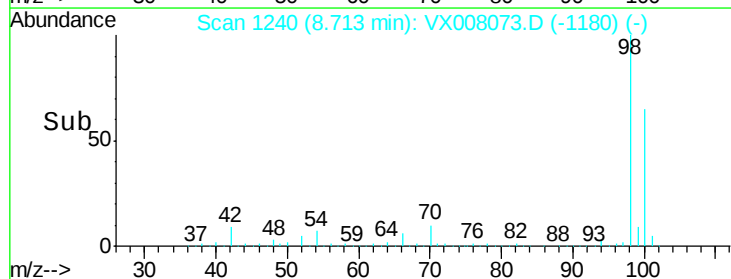
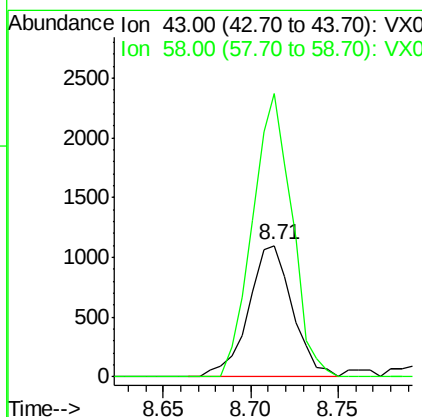
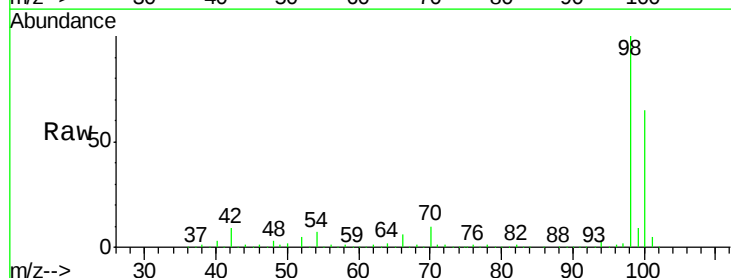
Instrument :
MSVOA_X
ClientSampleId :
SUP-7B-G-7-031119

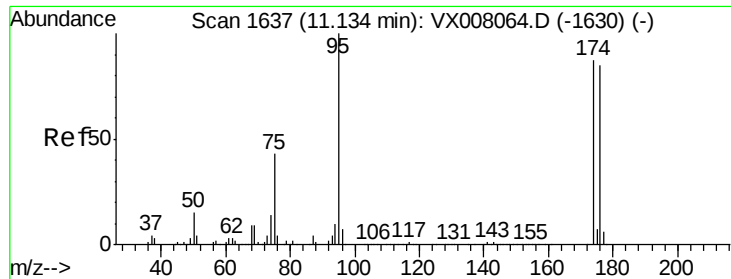
Tot Ion: 98 Resp: 487649
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.512 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008073.D
Acq: 14 Mar 2019 16:19

Tgt Ion: 43 Resp: 1920
Ion Ratio Lower Upper
43 100
58 192.7 31.3 46.9#





#62

4-Bromofluorobenzene

Concen: 57.434 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008073.D

Acq: 14 Mar 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

SUP-7B-G-7-031119

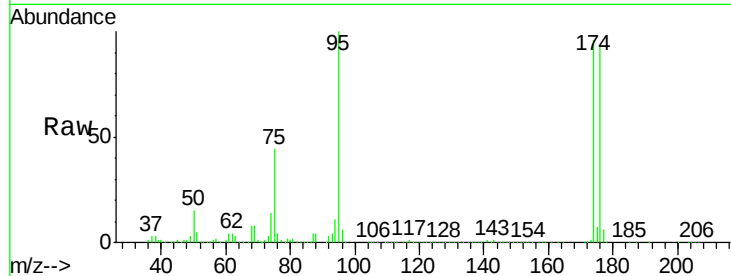
Tot Ion: 95 Resp: 198417

Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.8

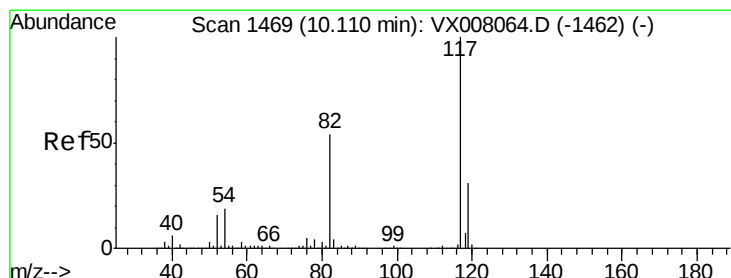
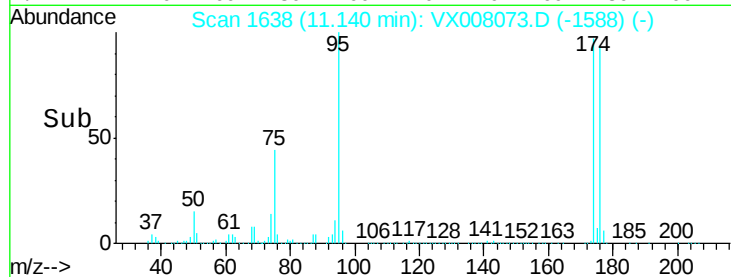
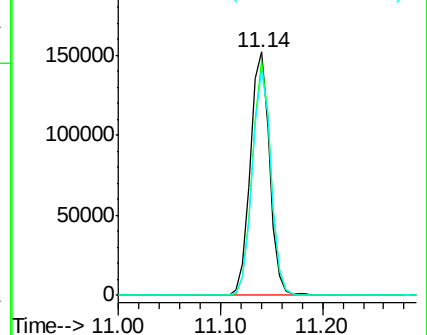
176 91.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008064.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008064.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008064.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008073.D

Acq: 14 Mar 2019 16:19

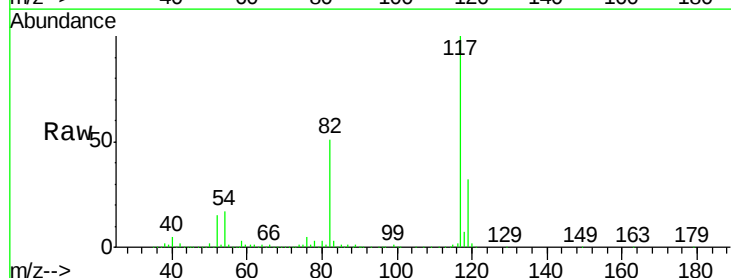
Tgt Ion: 117 Resp: 395052

Ion Ratio Lower Upper

117 100

82 51.0 44.3 66.5

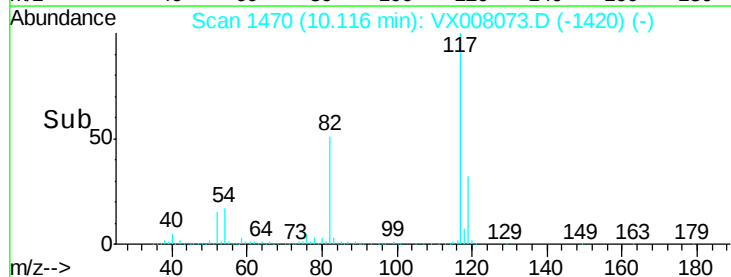
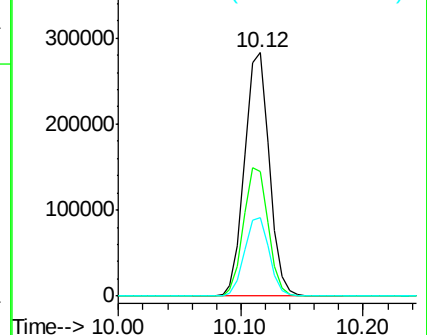
119 32.3 25.3 37.9

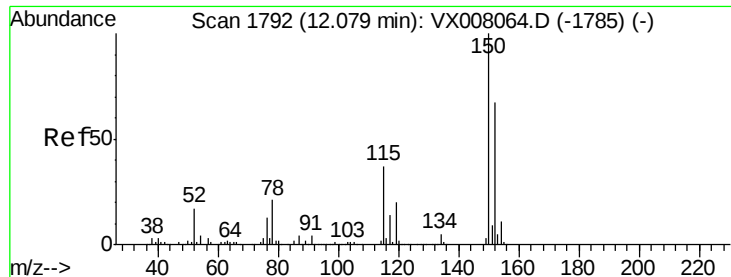


Abundance Ion 116.90 (116.60 to 117.60): VX008064.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008064.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008064.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008073.D

Acq: 14 Mar 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

SUP-7B-G-7-031119

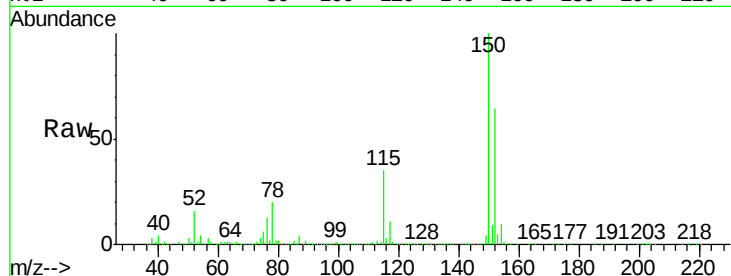
Tot Ion:152 Resp: 218991

Ion Ratio Lower Upper

152 100

115 54.3 38.6 115.7

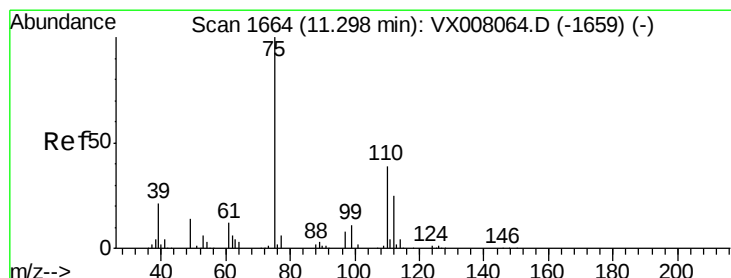
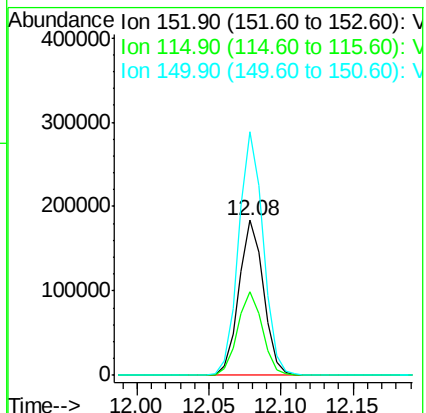
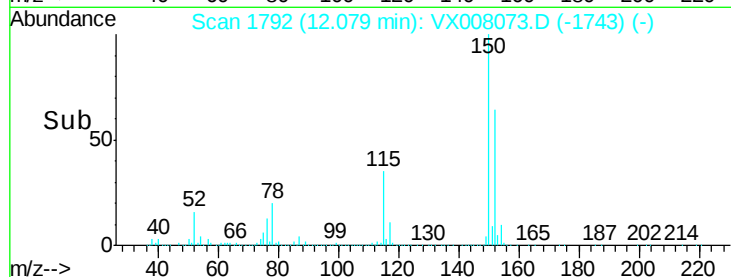
150 156.8 0.0 348.4



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



#76

1,2,3-Trichloropropane

Concen: 22.958 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX008073.D

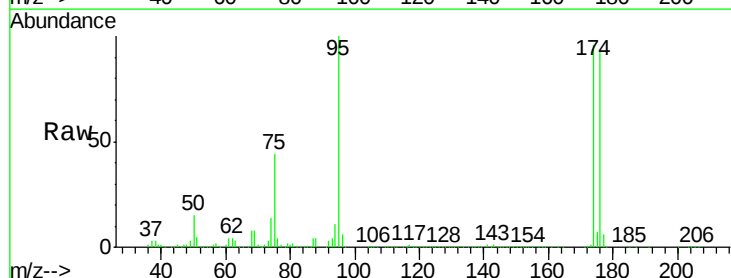
Acq: 14 Mar 2019 16:19

Tgt Ion: 75 Resp: 87313

Ion Ratio Lower Upper

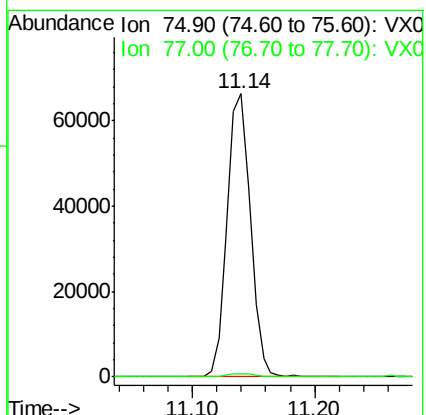
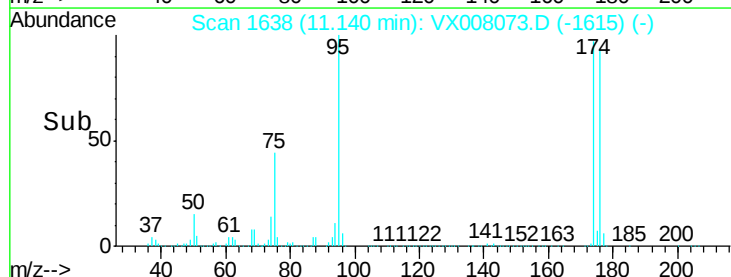
75 100

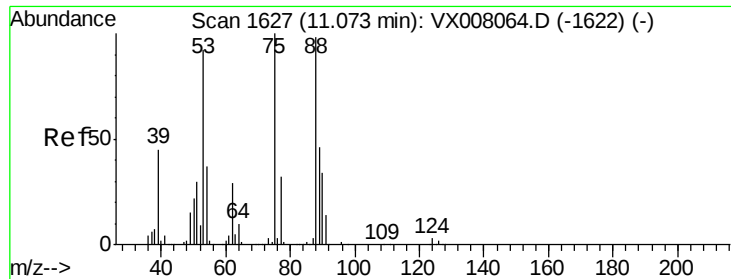
77 1.3 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.329 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX008073.D

Acq: 14 Mar 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

SUP-7B-G-7-031119

Tot Ion: 75 Resp: 87313

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

