

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011019\
 Data File : VX006998.D
 Acq On : 10 Jan 2019 18:54
 Operator : JC/MD
 Sample : K1015-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-010918-B

Quant Time: Jan 11 07:15:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	609403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	939522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	885683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	424687	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	325734	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.30%		
35) Dibromofluoromethane	5.51	113	283586	47.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.26%		
50) Toluene-d8	8.71	98	1137835	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.34%		
62) 4-Bromofluorobenzene	11.13	95	398548	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.82%		

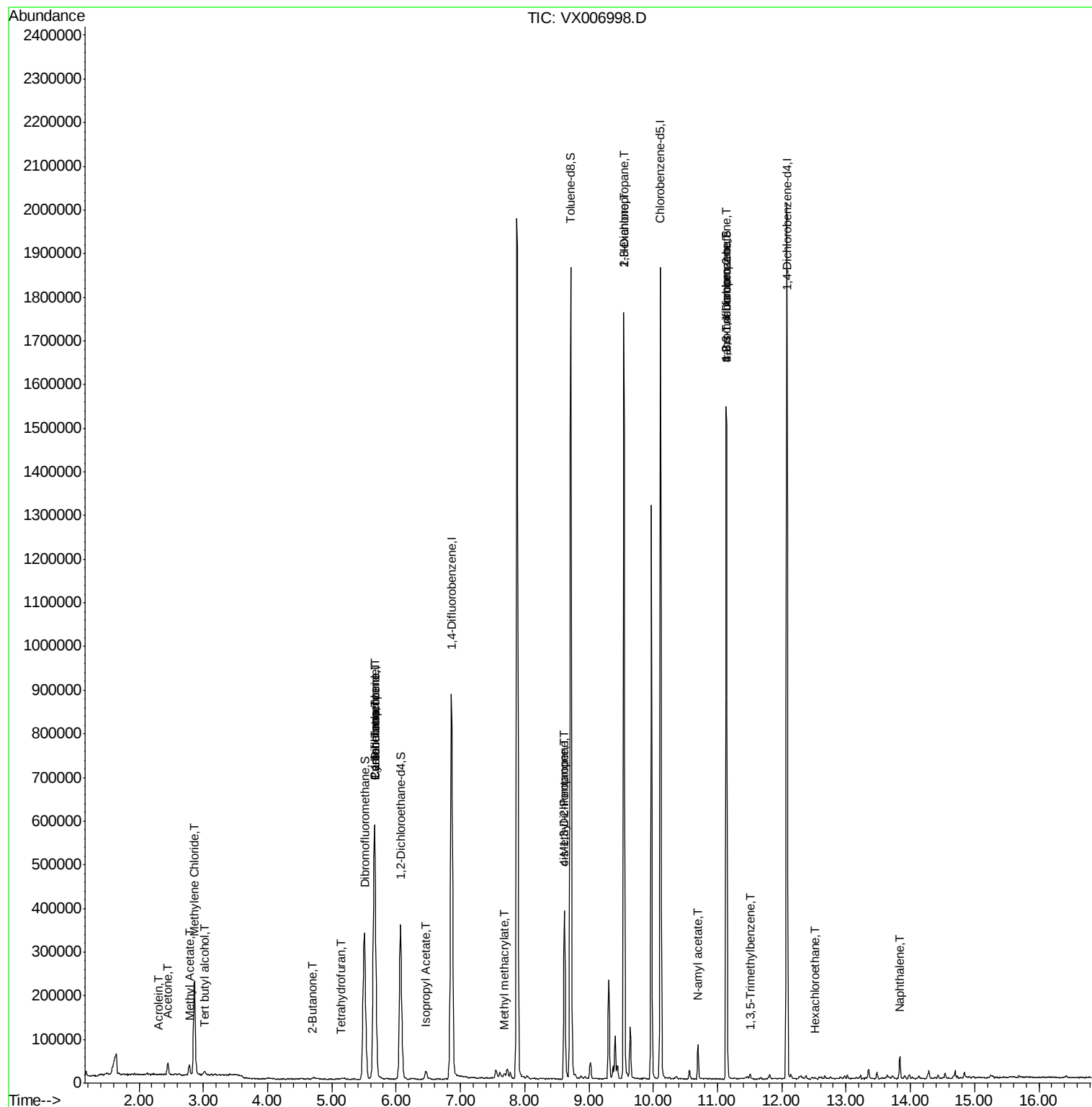
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	4224	2.812	ug/l #	87
13) Acrolein	2.29	56	631	4.046	ug/l	90
16) Acetone	2.45	43	30776	9.775	ug/l	96
18) Methyl Acetate	2.78	43	29093	3.191	ug/l	98
20) Methylene Chloride	2.86	84	104297	17.043	ug/l	94
25) 2-Butanone	4.70	43	4324	0.960	ug/l #	79
29) Tetrahydrofuran	5.15	42	1472	0.503	ug/l #	57
31) Cyclohexane	5.66	56	10320	1.149	ug/l #	7
36) 1,1-Dichloropropene	5.66	75	39094	4.786	ug/l #	49
38) Carbon Tetrachloride	5.67	117	55401	6.741	ug/l #	15
43) Isopropyl Acetate	6.46	43	23823	1.725	ug/l	95
48) Methyl methacrylate	7.69	41	12080	1.703	ug/l #	12
49) 1,4-Dioxane	7.75	88	183	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.62	43	129133	14.546	ug/l #	50
54) cis-1,3-Dichloropropene	8.62	75	62835	6.845	ug/l #	62
57) 1,3-Dichloropropane	9.55	76	15213	1.448	ug/l #	47
59) 2-Hexanone	9.54	43	193691	28.631	ug/l #	51
74) N-amyl acetate	10.69	43	17932	1.487	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	191621	22.266	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	5288	0.211	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	191621	65.894	ug/l #	10
90) Hexachloroethane	12.52	117	104	2.931	ug/l	92
95) Naphthalene	13.83	128	32622	1.066	ug/l	98

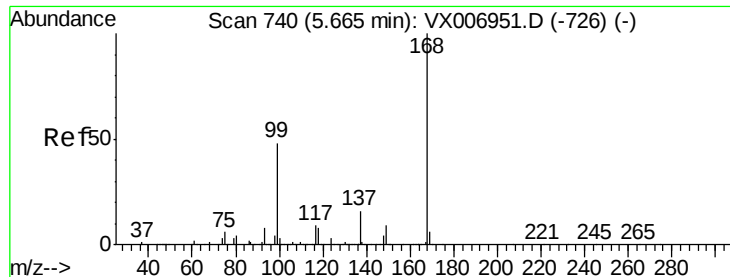
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011019\
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SU-03-010918-B

Quant Time: Jan 11 07:15:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 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: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

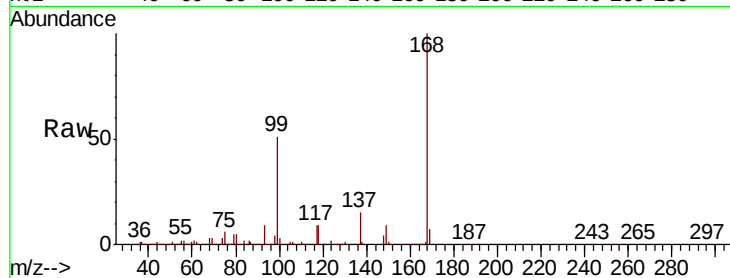
SU-03-010918-B

Tgt Ion:168 Resp: 609403

Ion Ratio Lower Upper

168 100

99 51.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

150000

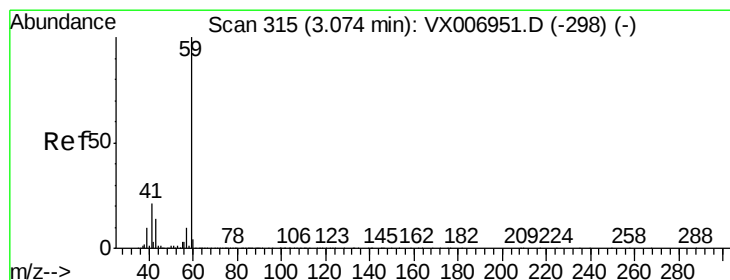
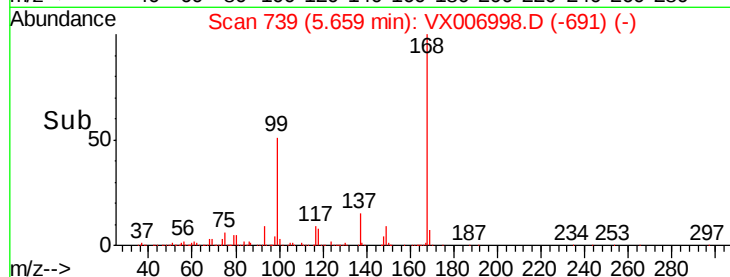
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#11

Tert butyl alcohol

Concen: 2.812 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006998.D

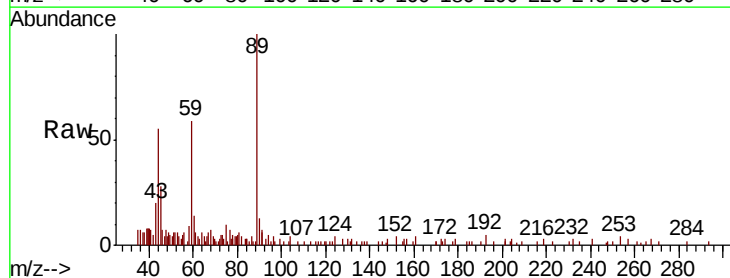
Acq: 10 Jan 2019 18:54

Tgt Ion: 59 Resp: 4224

Ion Ratio Lower Upper

59 100

57 5.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

2000

1500

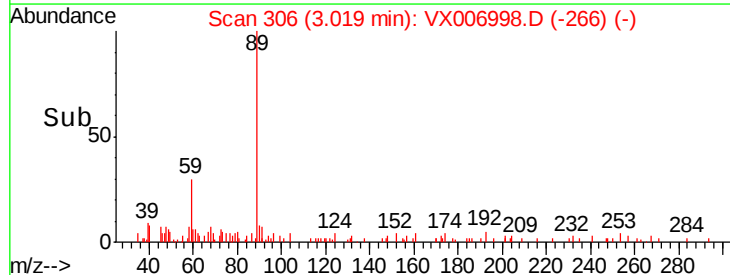
1000

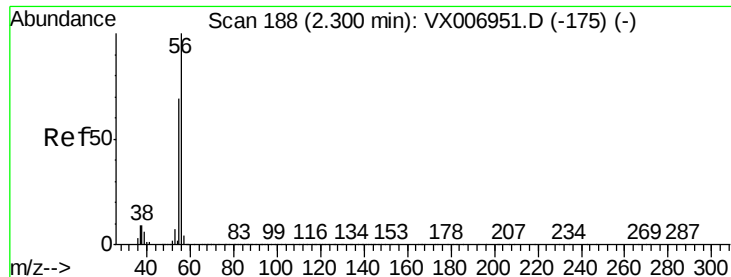
500

0

Time-->

2.95 3.00 3.05 3.10

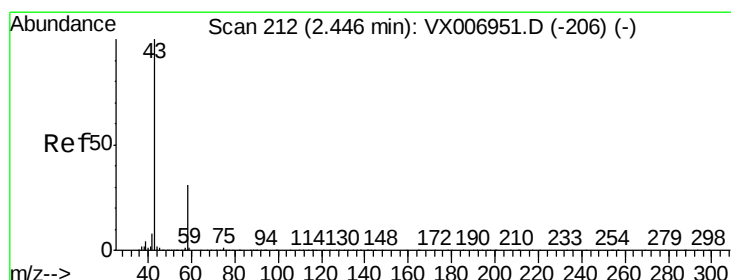
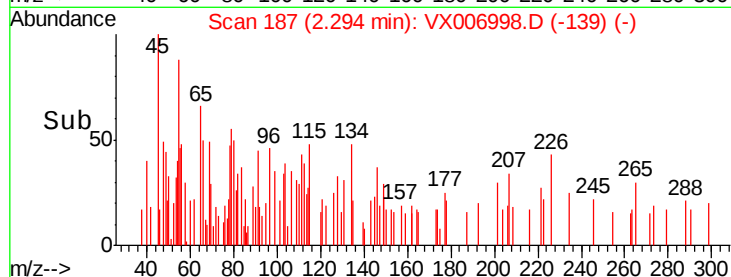
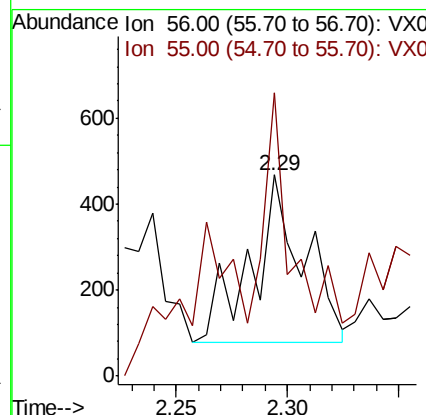
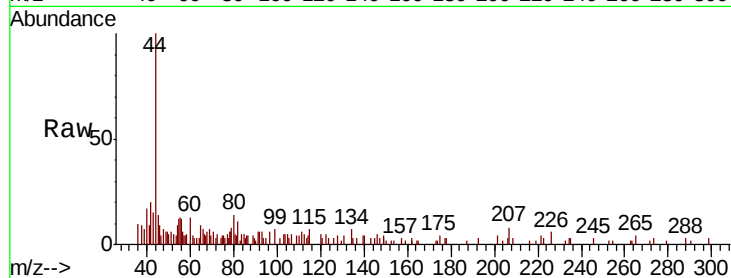




#13
Acrolein
Concen: 4.046 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

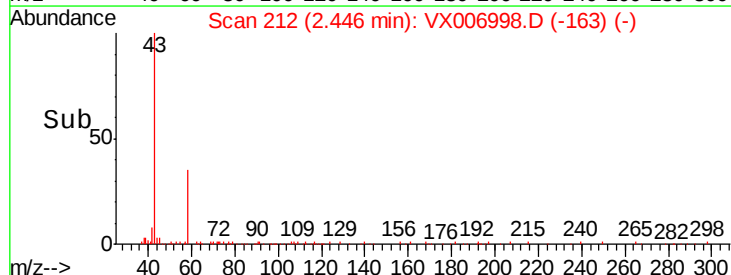
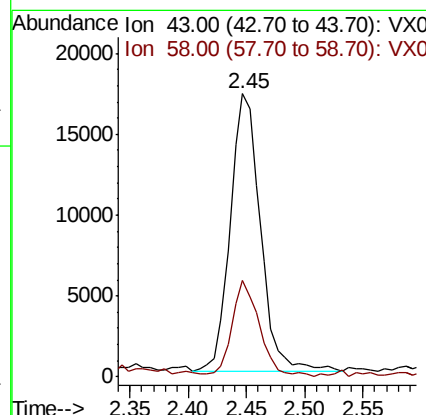
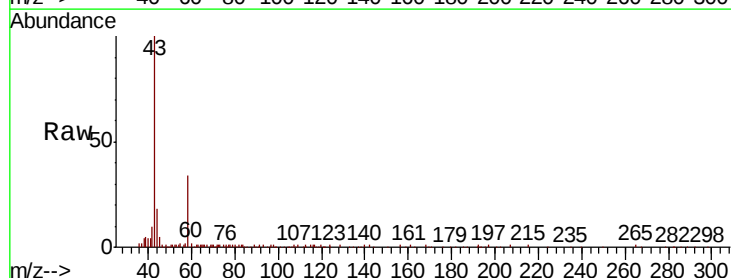
Instrument :
MSVOA_X
ClientSampleId :
SU-03-010918-B

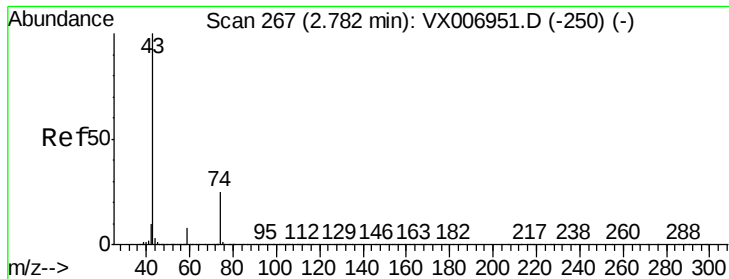
Tgt Ion: 56 Resp: 631
Ion Ratio Lower Upper
56 100
55 64.0 58.2 87.4



#16
Acetone
Concen: 9.775 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

Tgt Ion: 43 Resp: 30776
Ion Ratio Lower Upper
43 100
58 33.3 25.0 37.6

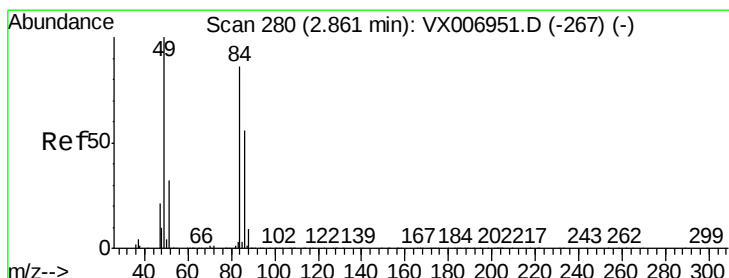
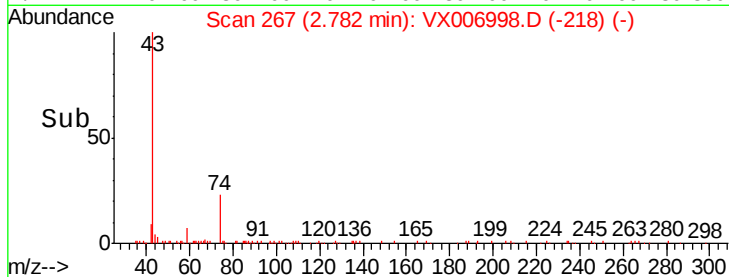
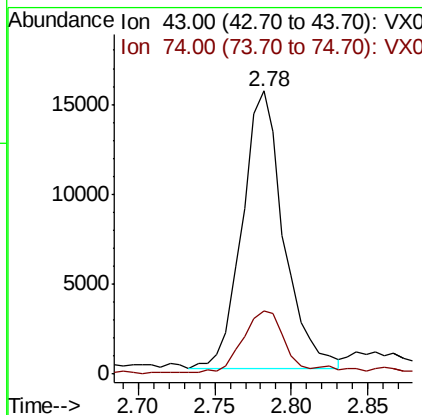
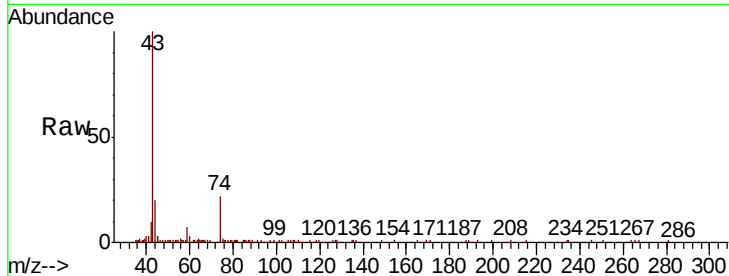




#18
Methyl Acetate
Concen: 3.191 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

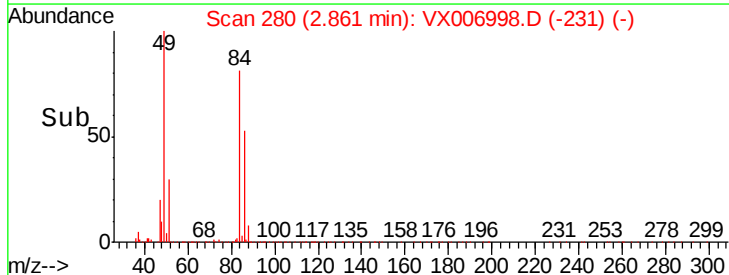
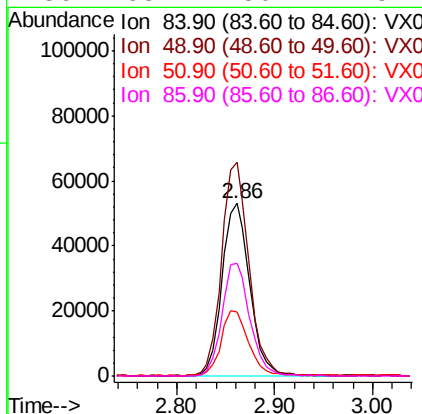
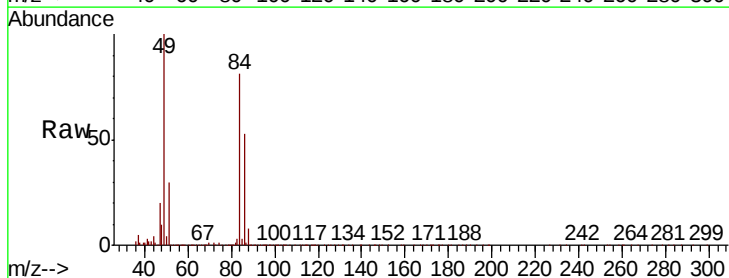
Instrument :
MSVOA_X
ClientSampleId :
SU-03-010918-B

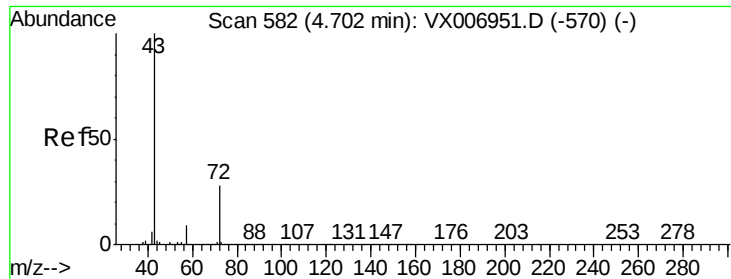
Tgt Ion: 43 Resp: 29093
Ion Ratio Lower Upper
43 100
74 22.3 18.6 28.0



#20
Methylene Chloride
Concen: 17.043 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

Tgt Ion: 84 Resp: 104297
Ion Ratio Lower Upper
84 100
49 123.4 91.8 137.6
51 36.5 28.5 42.7
86 65.2 50.2 75.2





#25

2-Butanone

Concen: 0.960 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

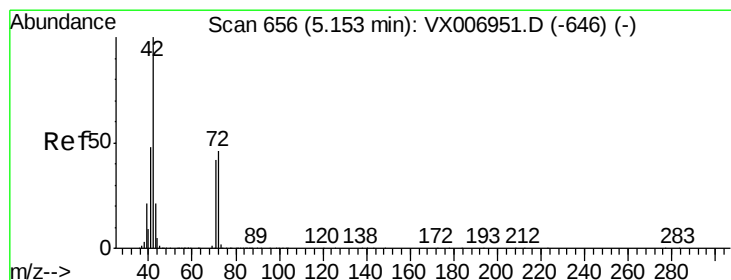
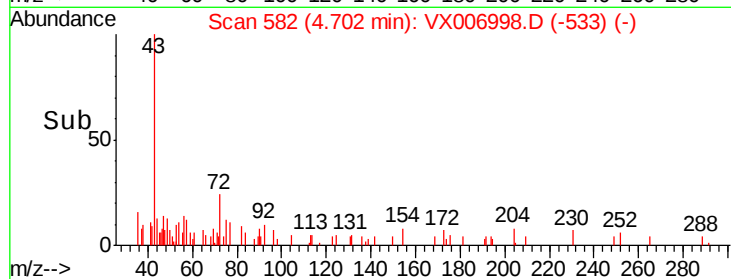
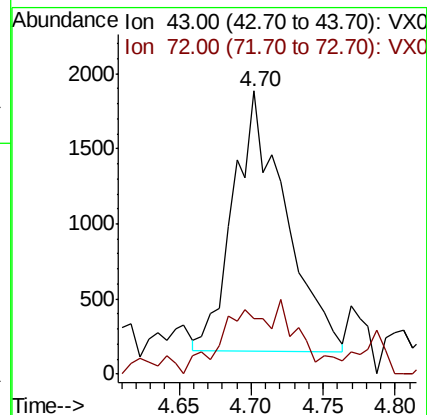
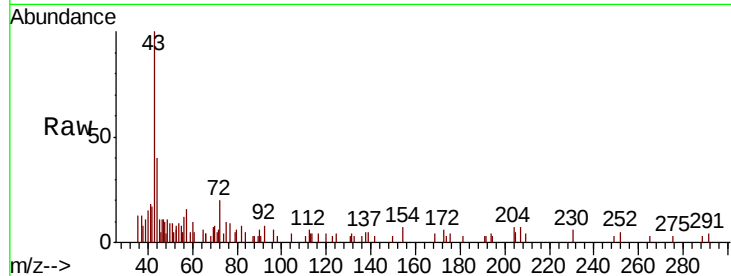
SU-03-010918-B

Tgt Ion: 43 Resp: 4324

Ion Ratio Lower Upper

43 100

72 16.7 22.4 33.6#



#29

Tetrahydrofuran

Concen: 0.503 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

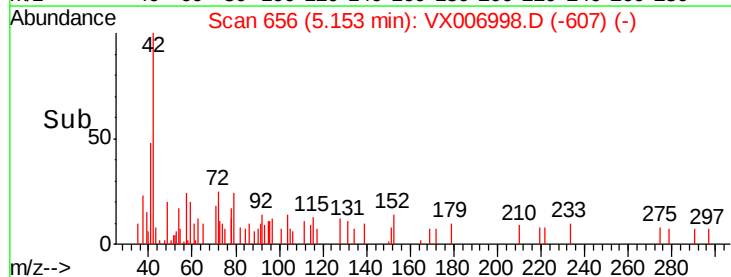
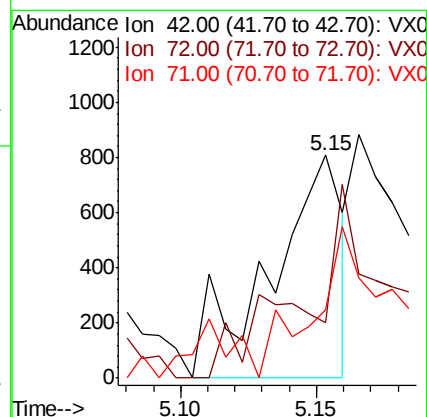
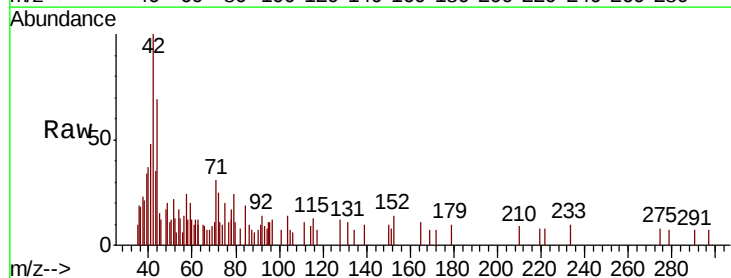
Tgt Ion: 42 Resp: 1472

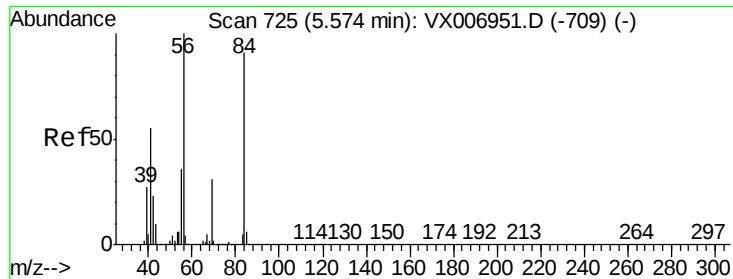
Ion Ratio Lower Upper

42 100

72 79.8 38.9 58.3#

71 71.5 36.2 54.4#

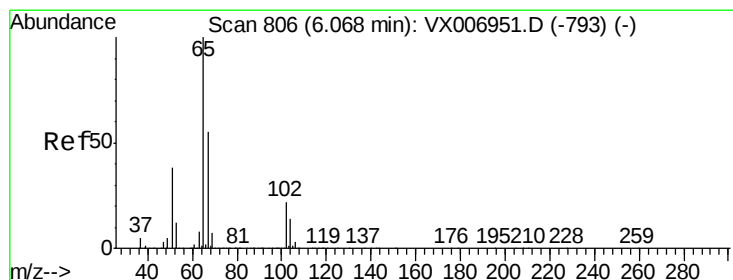
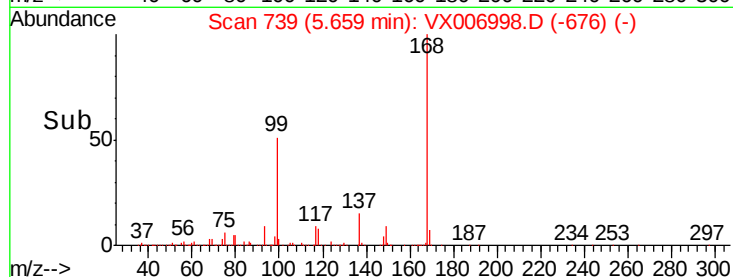
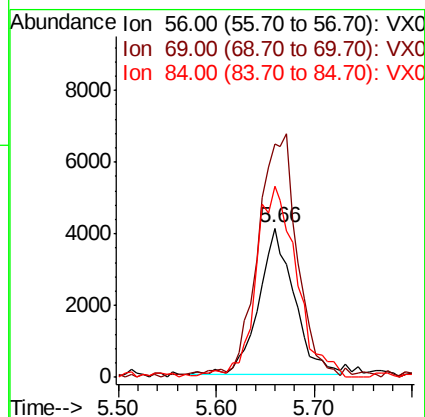
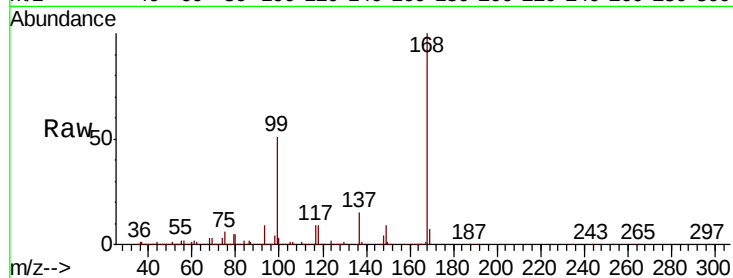




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

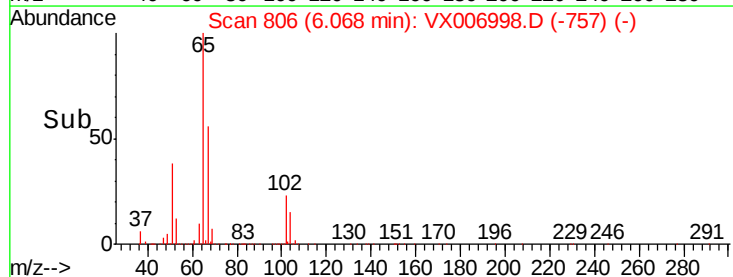
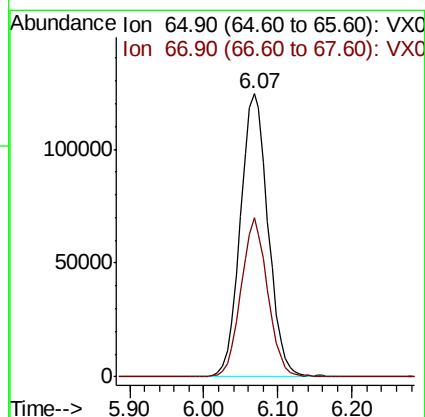
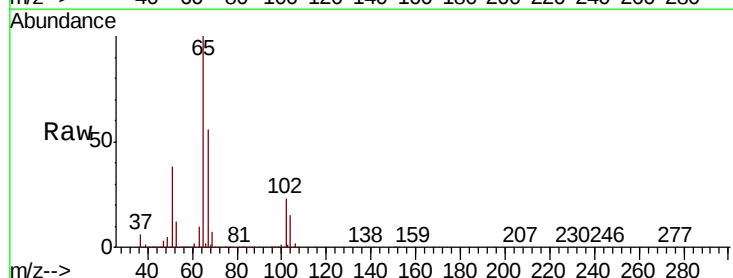
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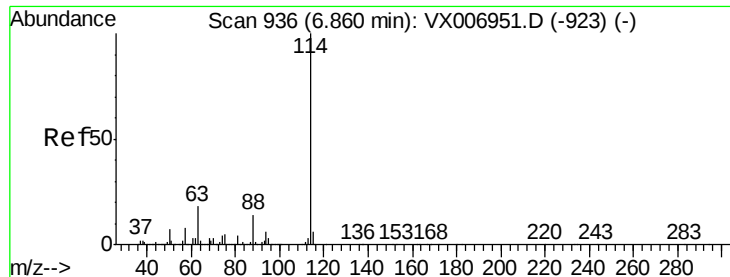
Tgt Ion: 56 Resp: 10320
Ion Ratio Lower Upper
56 100
69 157.2 24.4 36.6#
84 128.8 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.145 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

Tgt Ion: 65 Resp: 325734
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

SU-03-010918-B

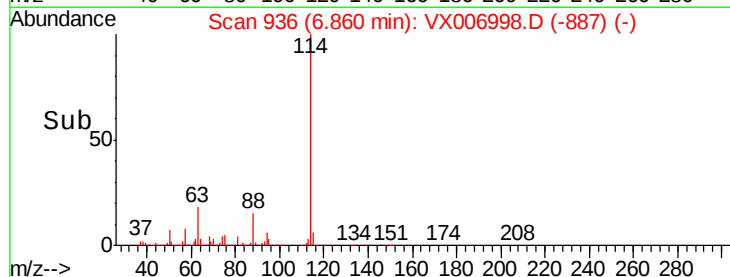
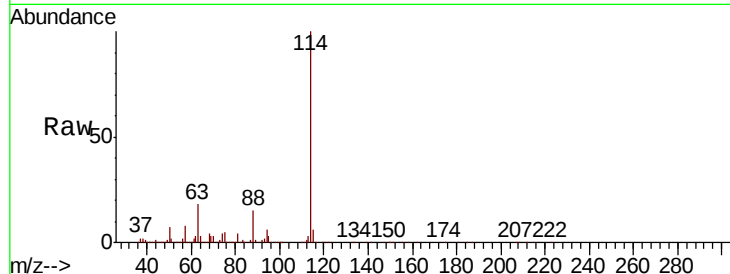
Tgt Ion:114 Resp: 939522

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

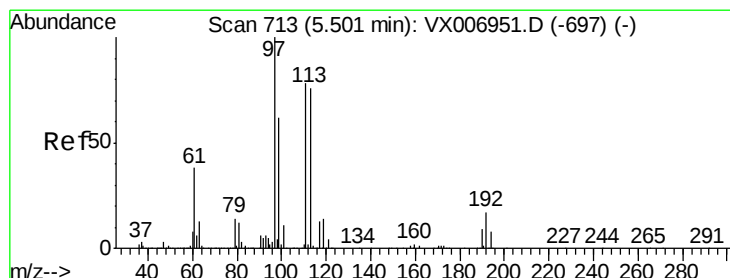
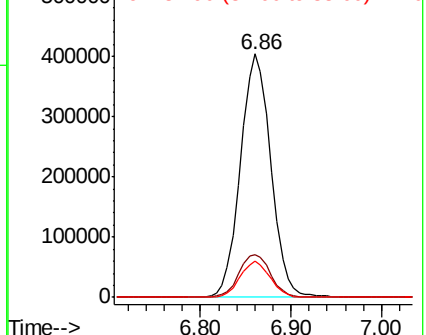
88 15.0 0.0 28.8



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: 47.134 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

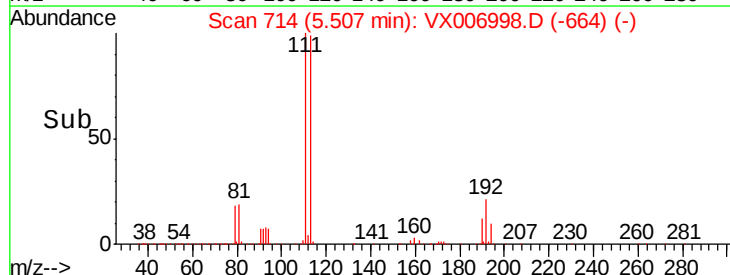
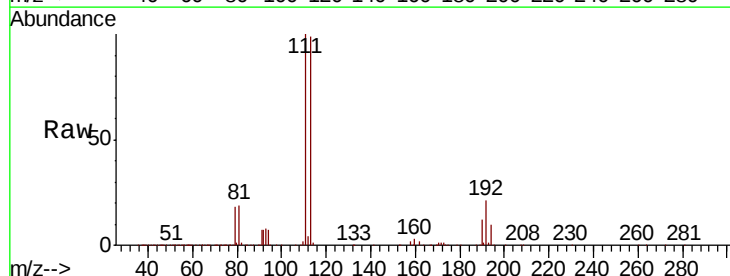
Tgt Ion:113 Resp: 283586

Ion Ratio Lower Upper

113 100

111 102.3 81.6 122.4

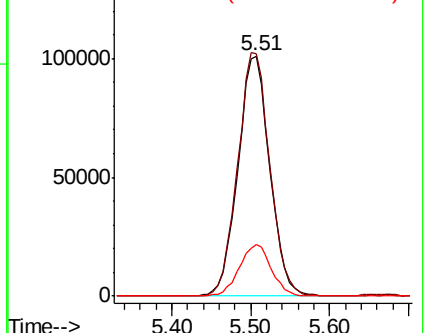
192 21.8 16.7 25.1

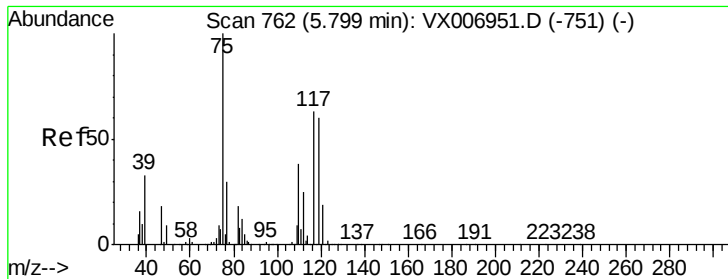


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

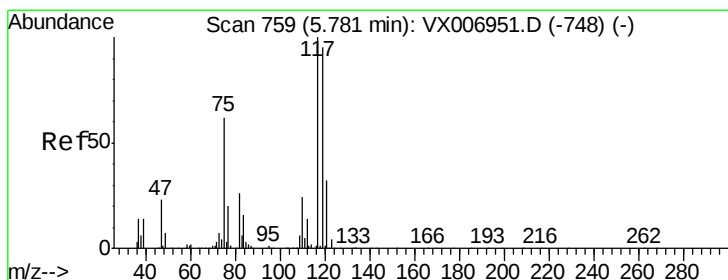
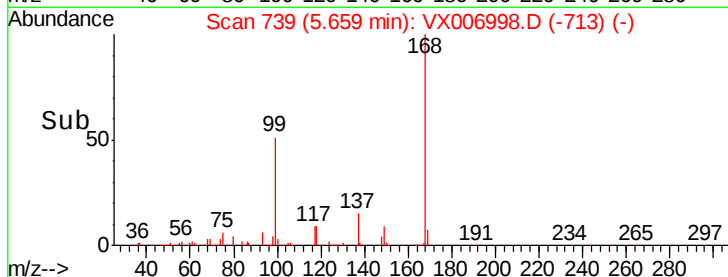
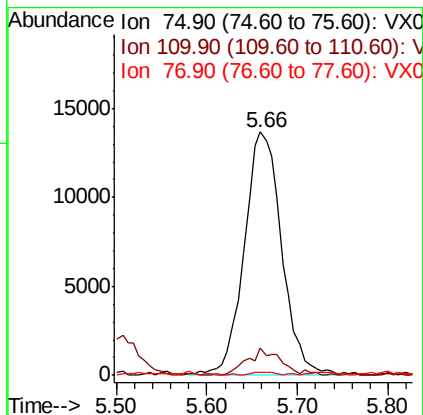
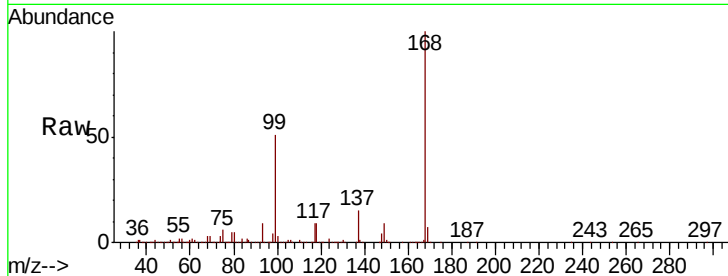




#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006998.D
 Acq: 10 Jan 2019 18:54

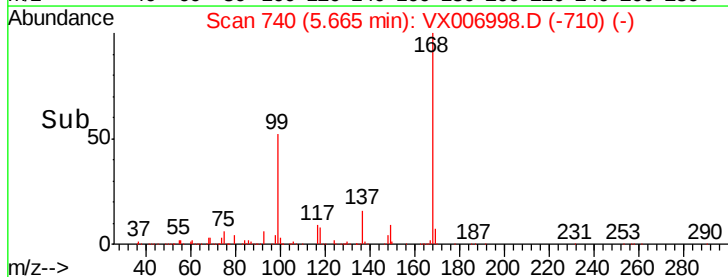
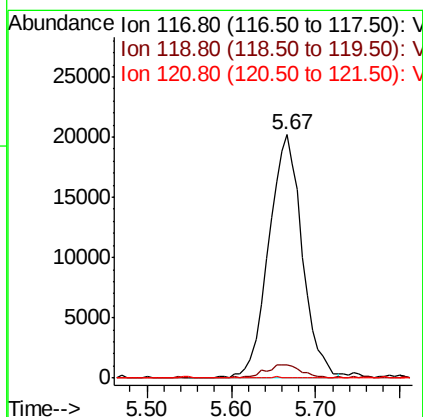
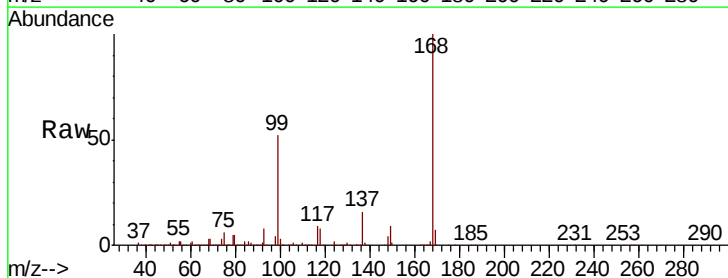
Instrument :
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 ClientSampleId :
 SU-03-010918-B

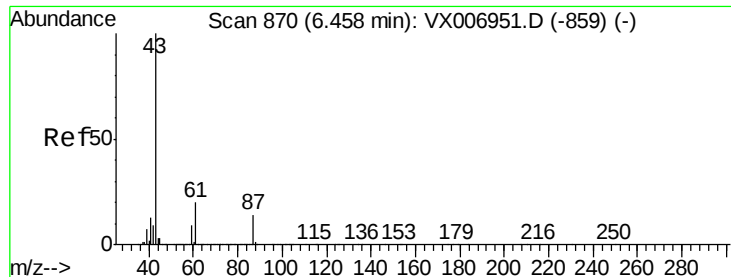
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.2	60.5#
77	0.9	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.741 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006998.D
 Acq: 10 Jan 2019 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	79.4	119.2#
121	0.0	24.0	36.0#





#43

Isopropyl Acetate

Concen: 1.725 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

SU-03-010918-B

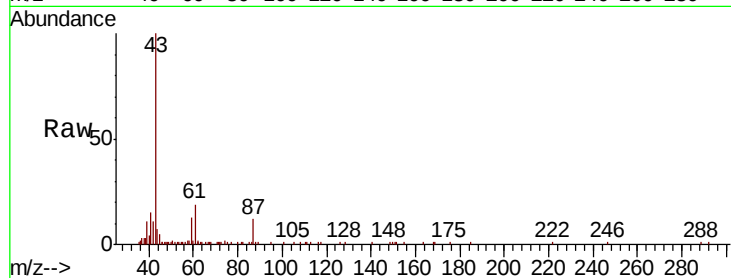
Tgt Ion: 43 Resp: 23823

Ion Ratio Lower Upper

43 100

61 24.2 16.8 25.2

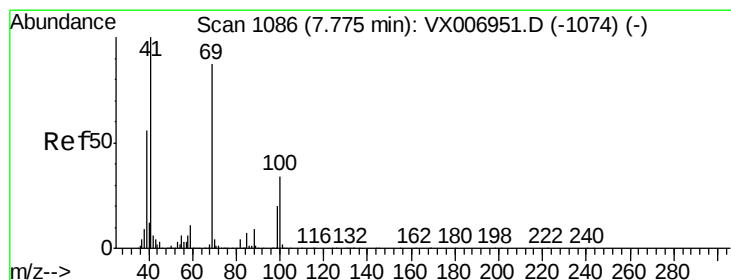
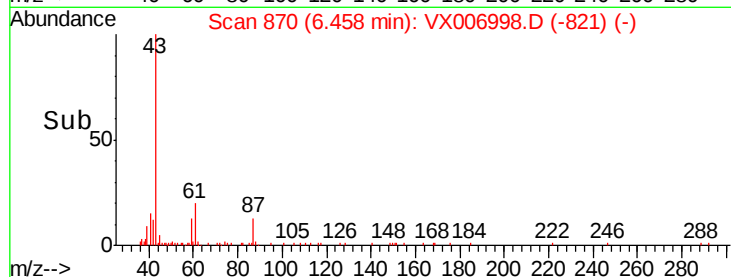
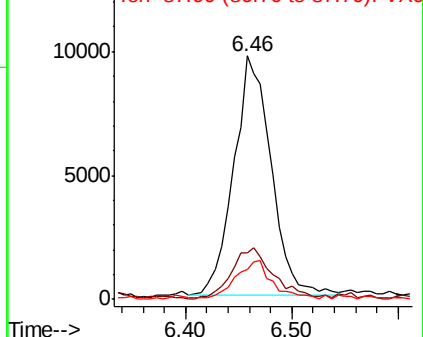
87 16.1 12.4 18.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.703 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

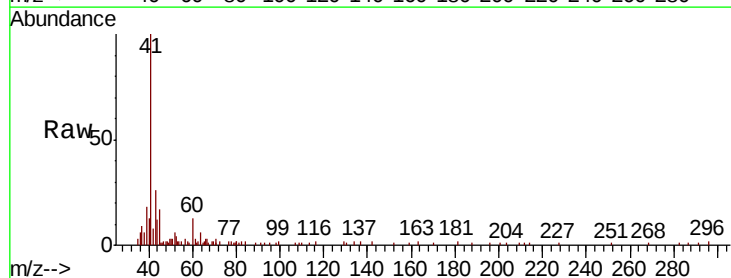
Tgt Ion: 41 Resp: 12080

Ion Ratio Lower Upper

41 100

69 1.4 72.4 108.6#

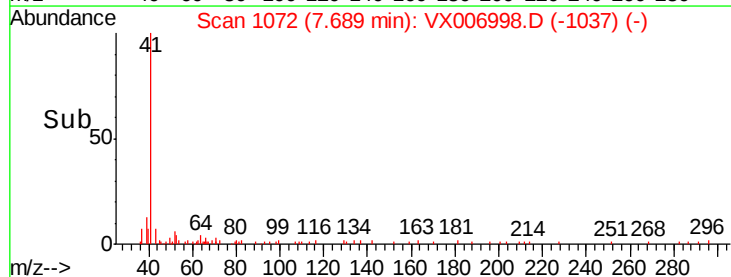
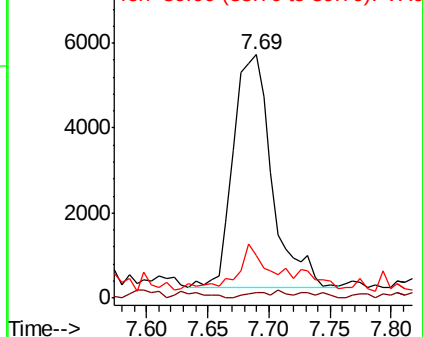
39 0.0 45.8 68.8#

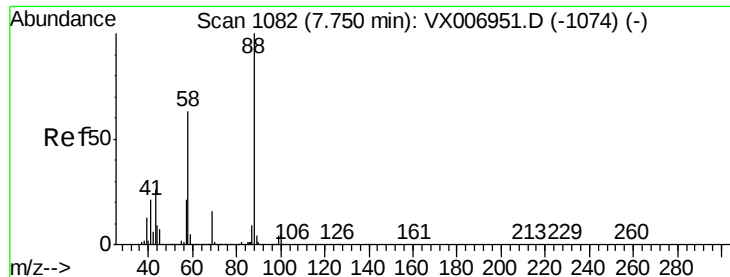


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

SU-03-010918-B

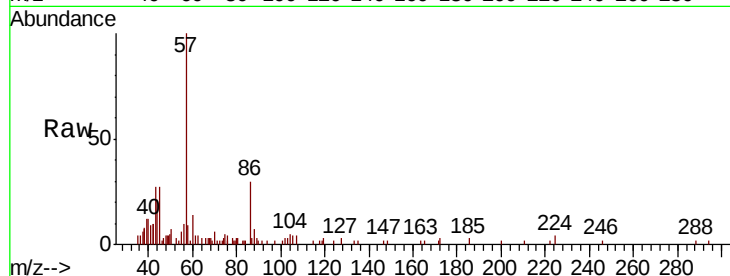
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

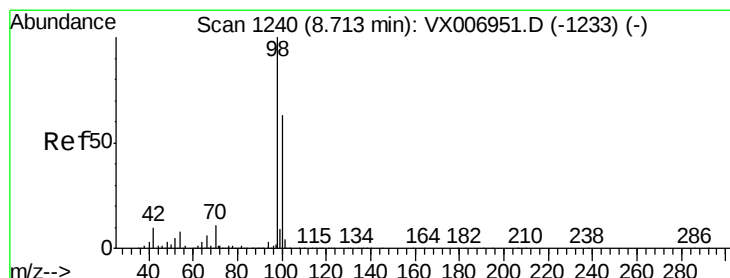
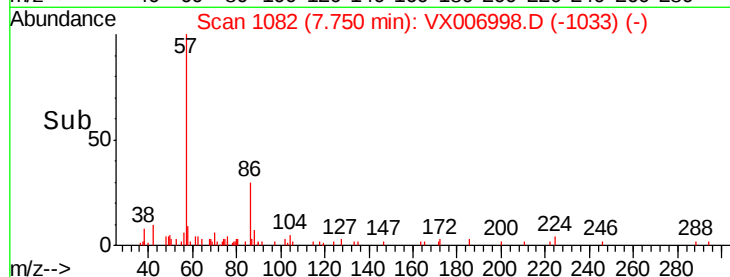
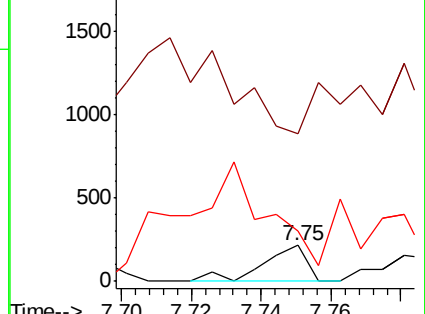
58 730.6 51.0 76.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.666 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006998.D

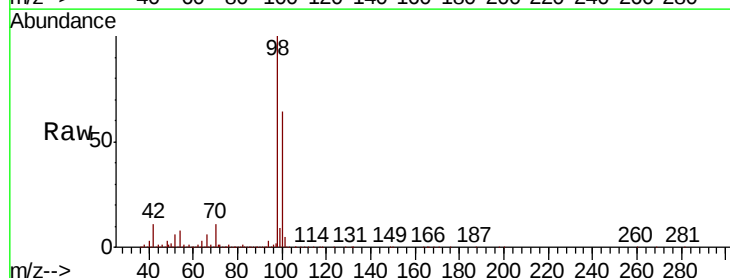
Acq: 10 Jan 2019 18:54

Tgt Ion: 98 Resp: 1137835

Ion Ratio Lower Upper

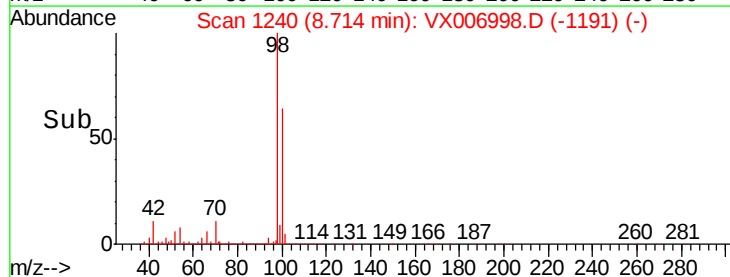
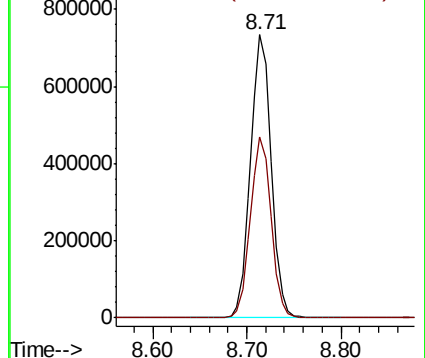
98 100

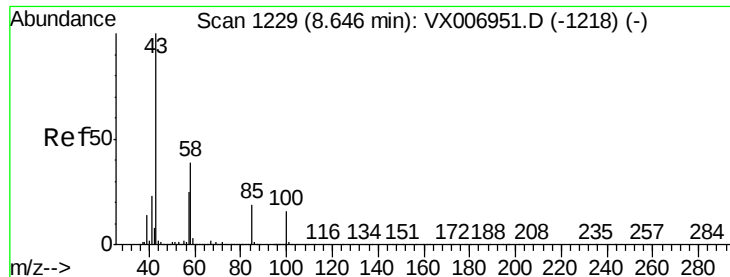
100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

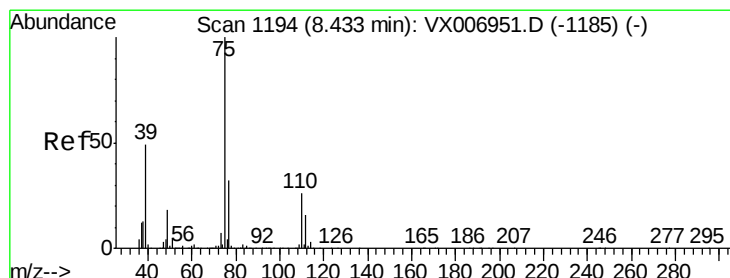
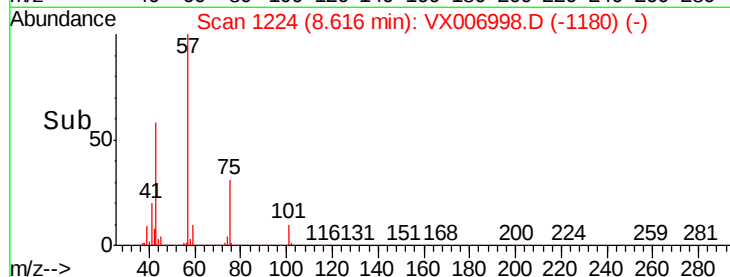
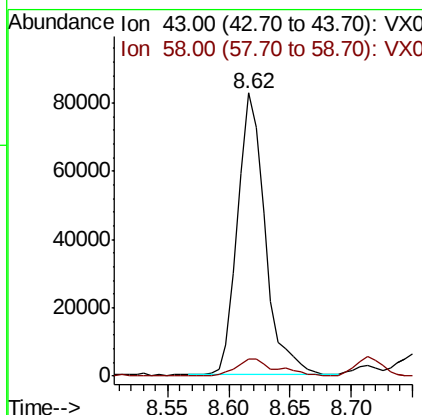
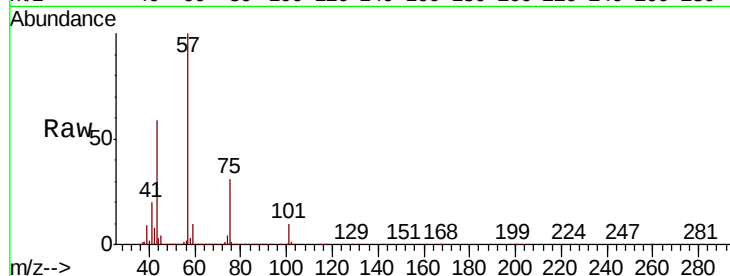




#51
 4-Methyl-2-Pentanone
 Concen: 14.546 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. -0.03 min
 Lab File: VX006998.D
 Acq: 10 Jan 2019 18:54

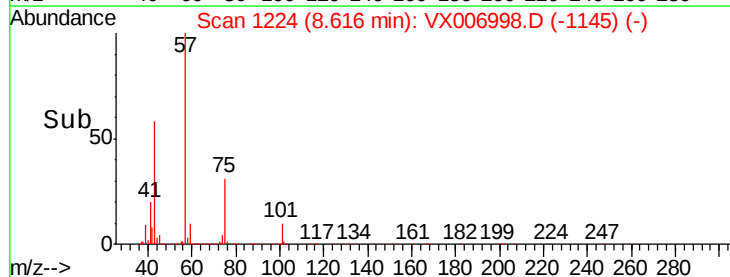
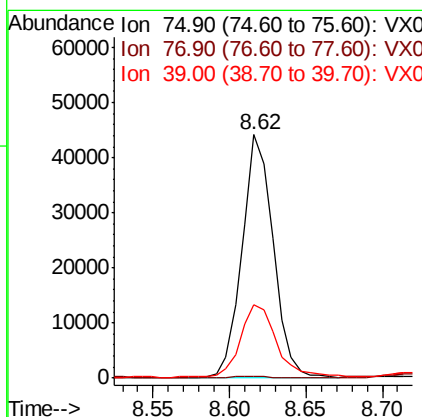
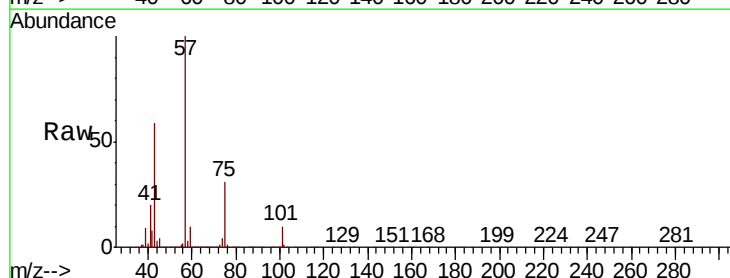
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-010918-B

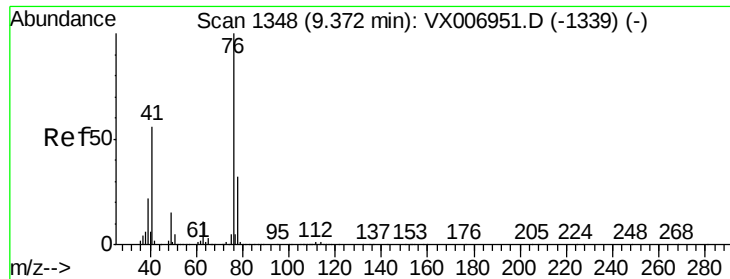
Tgt Ion: 43 Resp: 129133
 Ion Ratio Lower Upper
 43 100
 58 8.9 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.845 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX006998.D
 Acq: 10 Jan 2019 18:54

Tgt Ion: 75 Resp: 62835
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.2 39.2#
 39 29.6 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 1.448 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.18 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

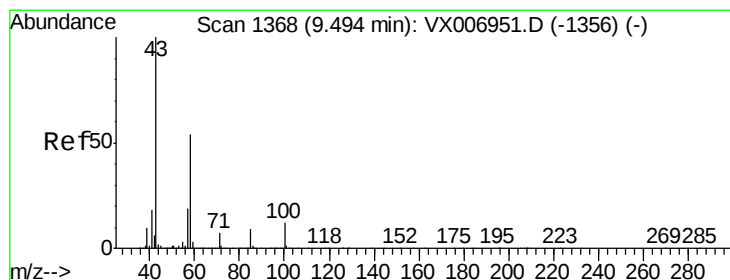
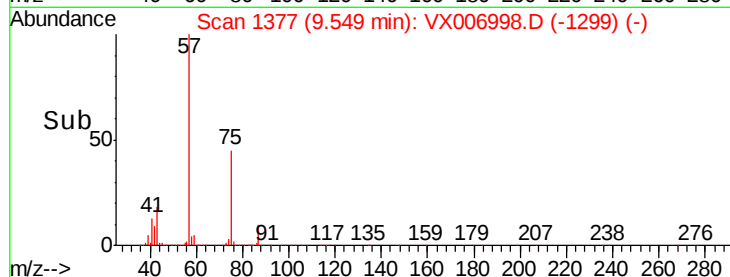
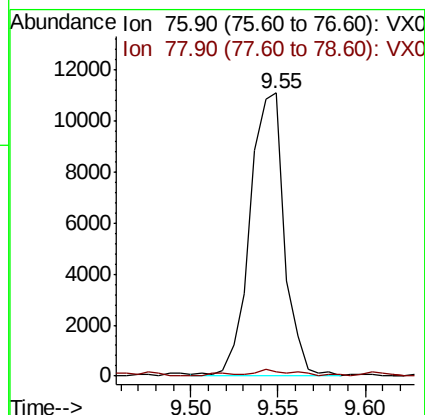
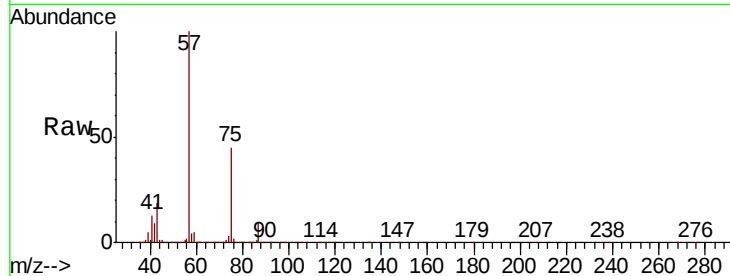
SU-03-010918-B

Tgt Ion: 76 Resp: 15213

Ion Ratio Lower Upper

76 100

78 2.6 26.0 39.0#



#59

2-Hexanone

Concen: 28.631 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006998.D

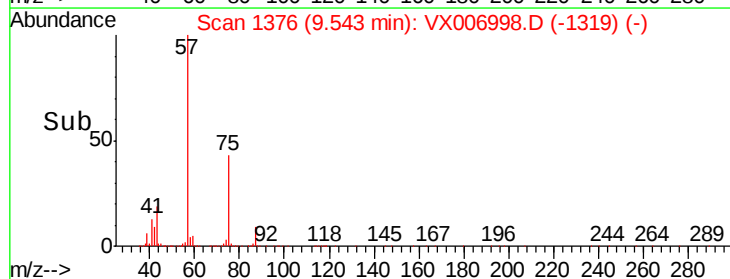
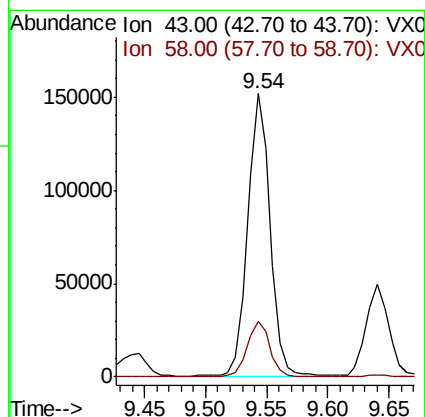
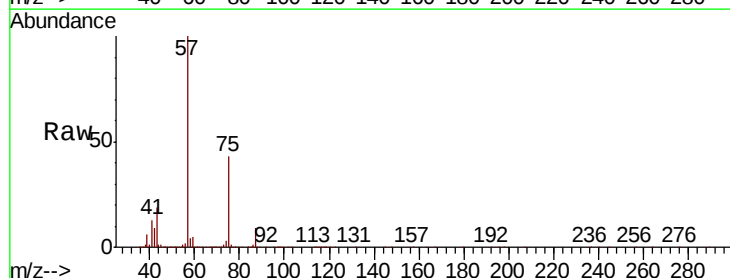
Acq: 10 Jan 2019 18:54

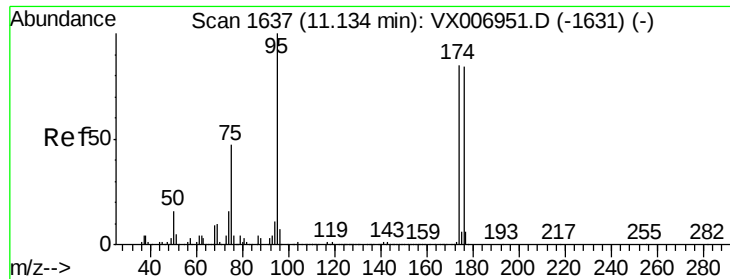
Tgt Ion: 43 Resp: 193691

Ion Ratio Lower Upper

43 100

58 19.8 27.7 83.1#

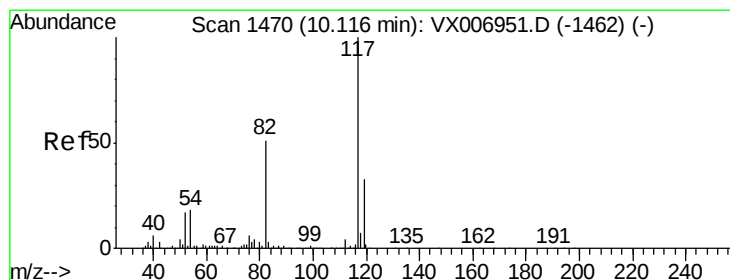
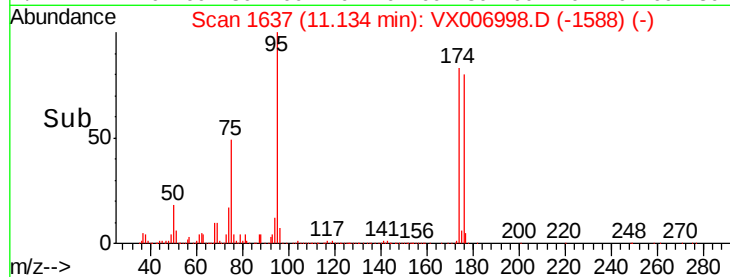
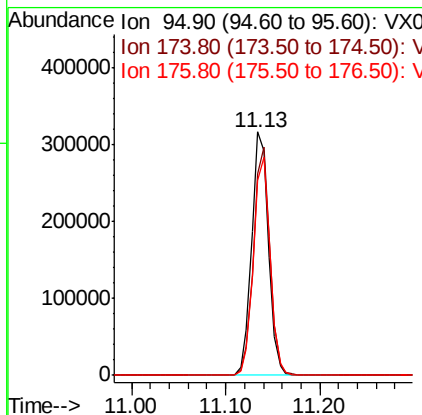
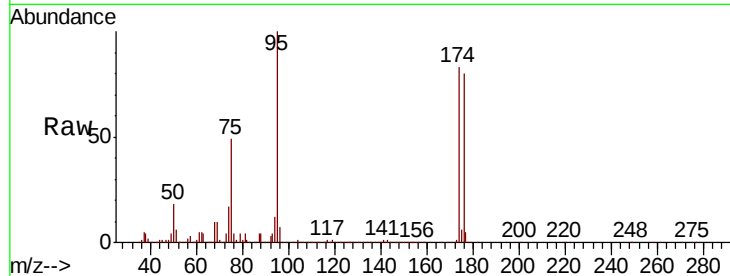




#62
4-Bromofluorobenzene
Concen: 51.910 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

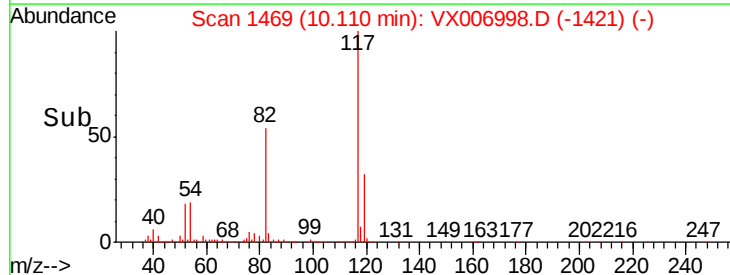
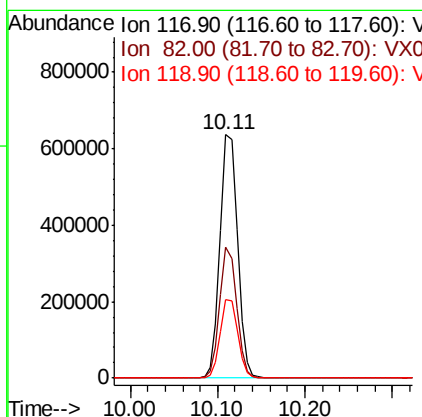
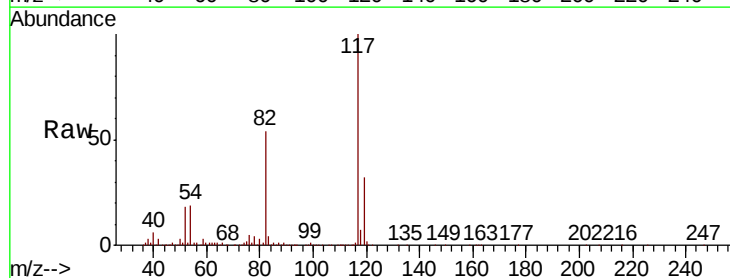
Instrument :
MSVOA_X
ClientSampleId :
SU-03-010918-B

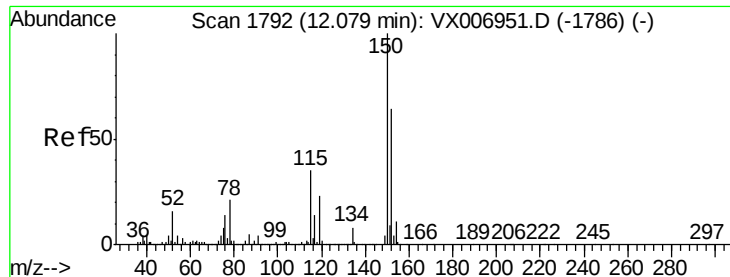
Tgt Ion: 95 Resp: 398548
Ion Ratio Lower Upper
95 100
174 92.0 0.0 182.2
176 89.3 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

Tgt Ion: 117 Resp: 885683
Ion Ratio Lower Upper
117 100
82 53.7 41.0 61.6
119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

SU-03-010918-B

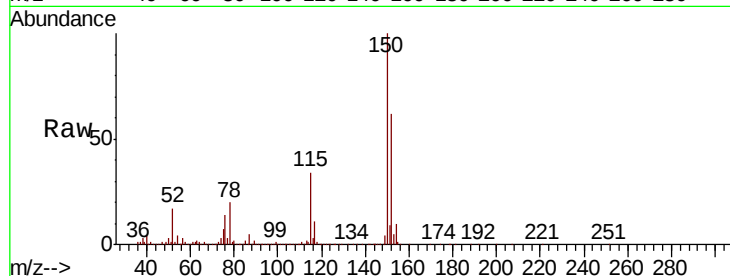
Tgt Ion:152 Resp: 424687

Ion Ratio Lower Upper

152 100

115 55.2 39.1 117.2

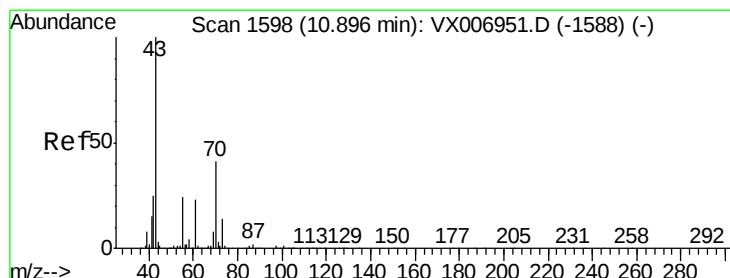
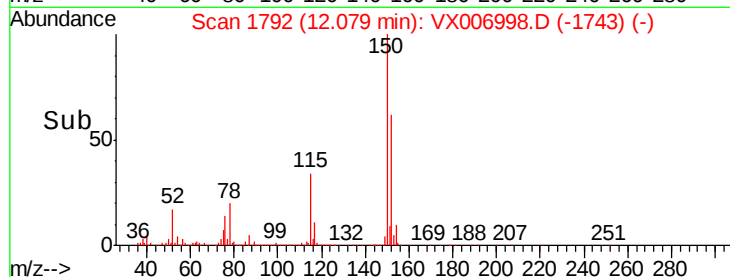
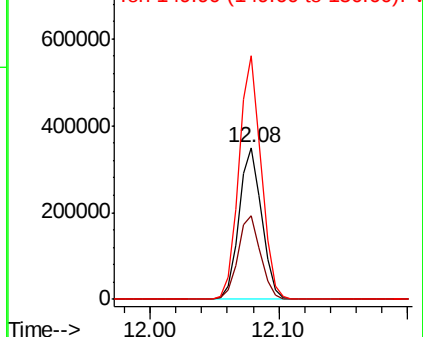
150 157.9 0.0 344.8



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-ethyl acetate

Concen: 1.487 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.20 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Tgt Ion: 43 Resp: 17932

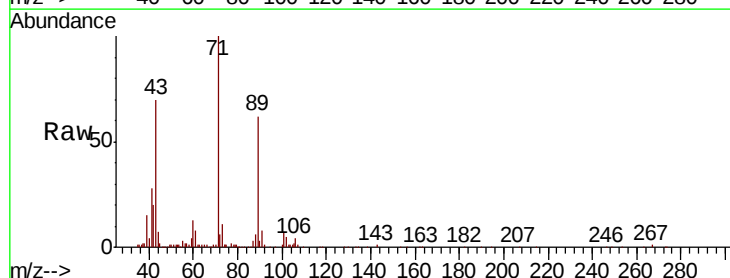
Ion Ratio Lower Upper

43 100

70 3.6 35.8 53.8#

55 8.9 19.4 29.0#

61 12.1 20.1 30.1#

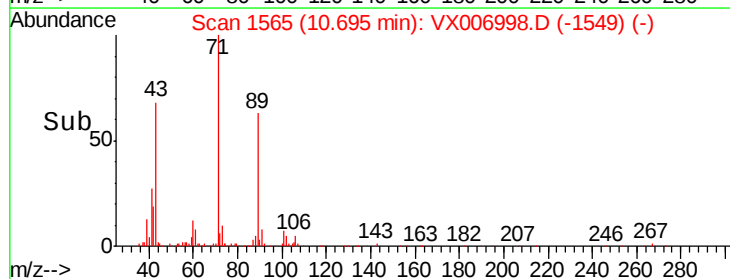
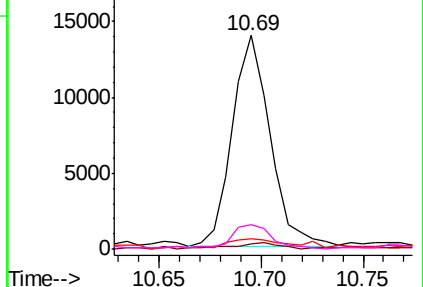


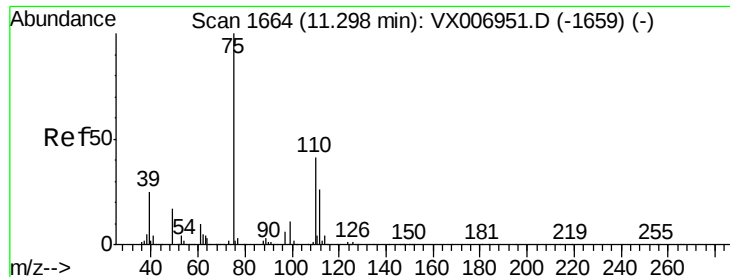
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

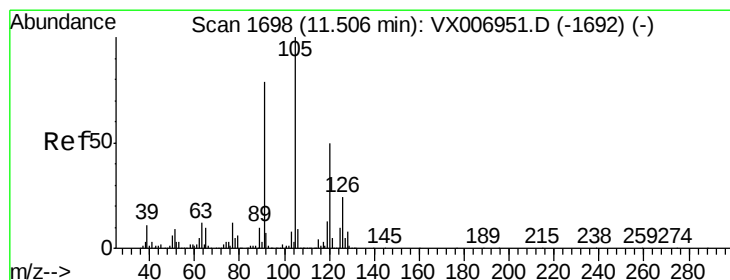
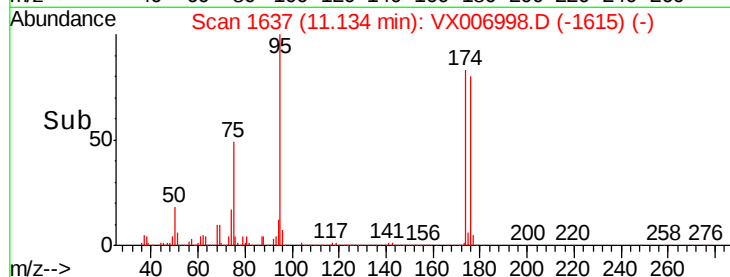
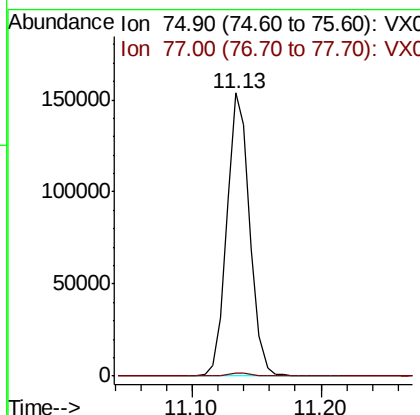
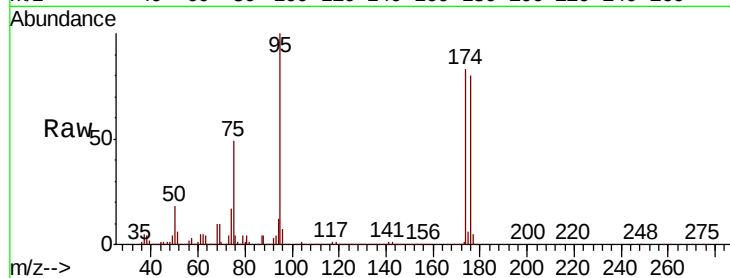




#76
 1,2,3-Trichloropropane
 Concen: 22.266 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006998.D
 Acq: 10 Jan 2019 18:54

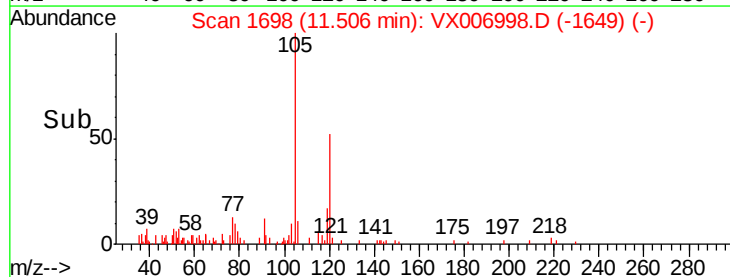
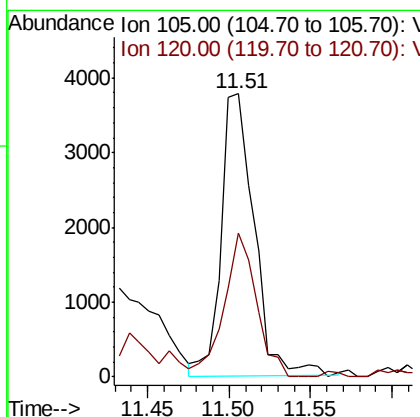
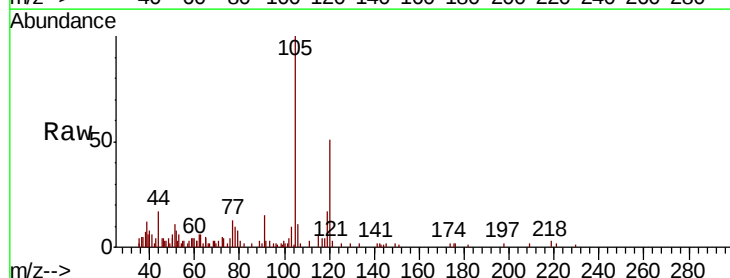
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-010918-B

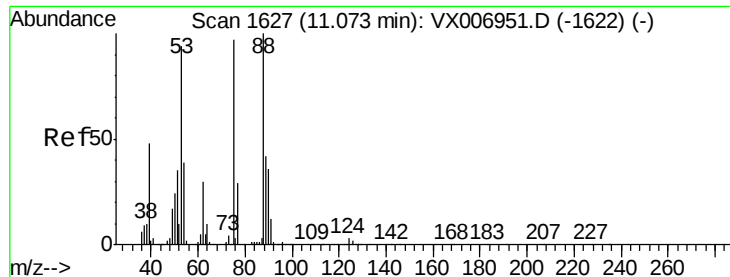
Tgt Ion: 75 Resp: 191621
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.5 55.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006998.D
 Acq: 10 Jan 2019 18:54

Tgt Ion: 105 Resp: 5288
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3

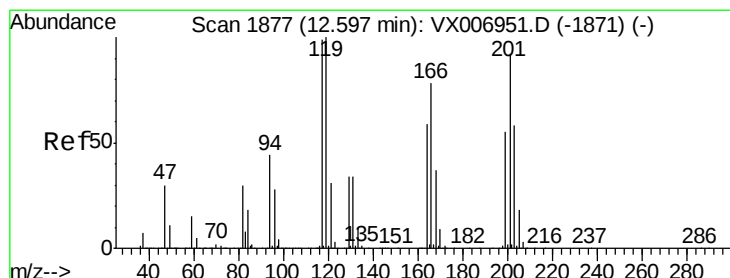
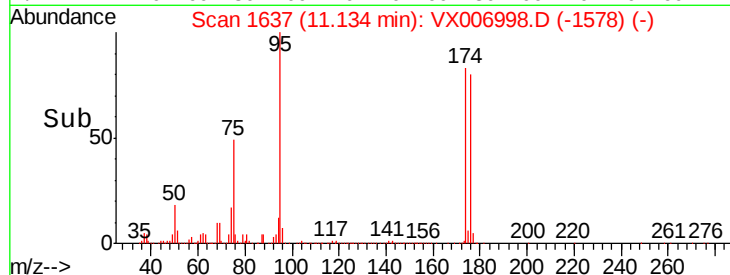
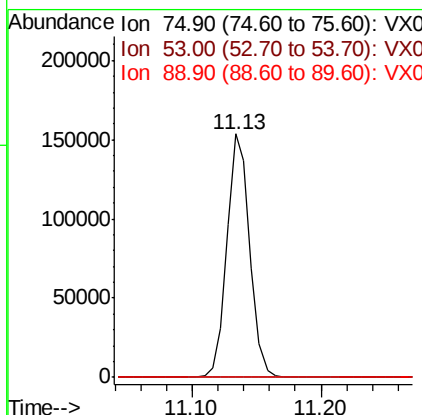
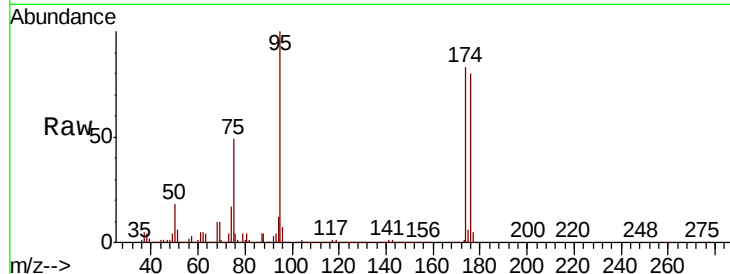




#81
trans-1,4-Dichloro-2-butene
Concen: 65.894 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

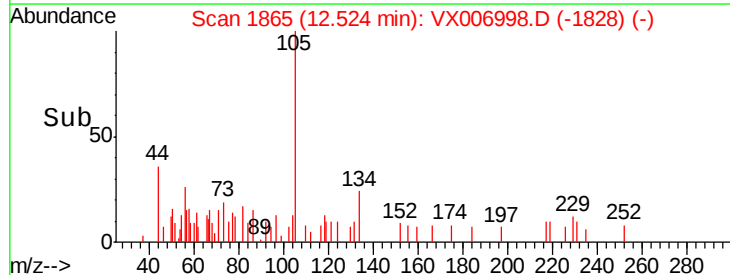
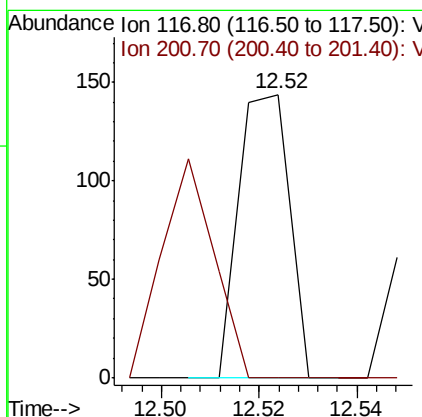
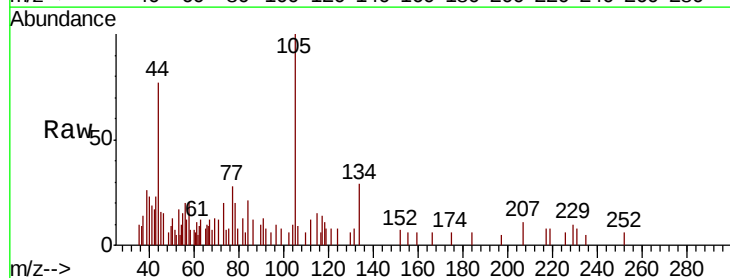
Instrument :
MSVOA_X
ClientSampleId :
SU-03-010918-B

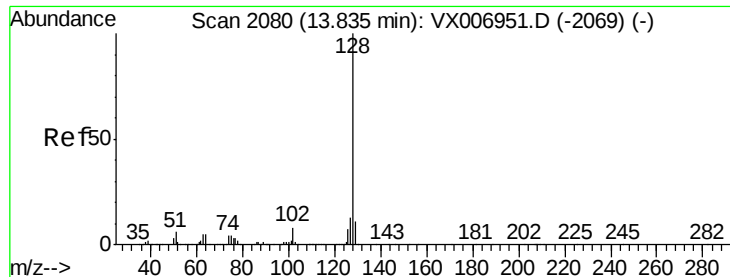
Tgt Ion: 75 Resp: 191621
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.0 38.0 57.0#



#90
Hexachloroethane
Concen: 2.931 ug/l
RT: 12.52 min Scan# 1865
Delta R.T. -0.07 min
Lab File: VX006998.D
Acq: 10 Jan 2019 18:54

Tgt Ion: 117 Resp: 104
Ion Ratio Lower Upper
117 100
201 78.8 42.9 128.7





#95

Naphthalene

Concen: 1.066 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006998.D

Acq: 10 Jan 2019 18:54

Instrument :

MSVOA_X

ClientSampleId :

SU-03-010918-B

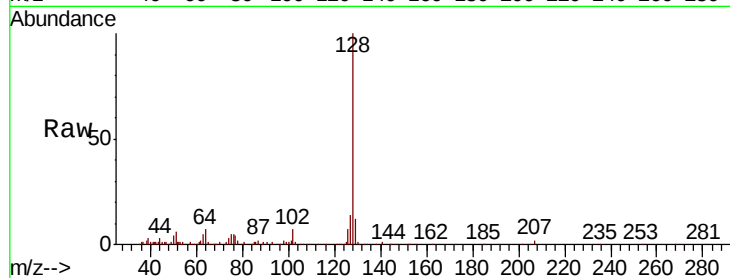
Tgt Ion:128 Resp: 32622

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

