

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010920\
 Data File : VX014508.D
 Acq On : 09 Jan 2020 19:43
 Operator : JC/SP
 Sample : K6456-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-03

Quant Time: Jan 10 06:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

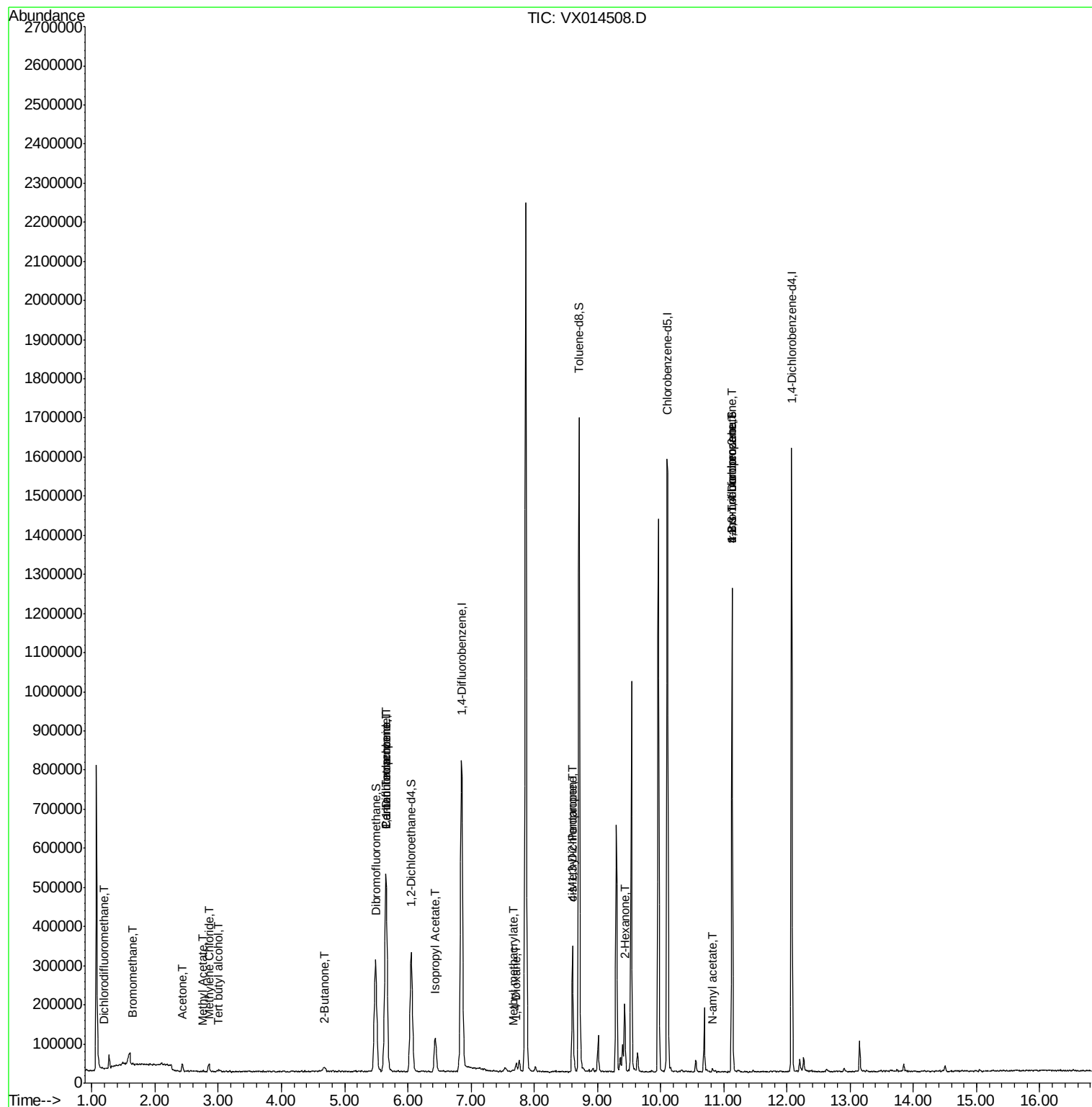
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	529568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	813977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	744242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	329705	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	291169	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	5.49	113	242937	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	8.71	98	980145	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	11.13	95	330962	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	244	0.289	ug/l	100
5) Bromomethane	1.65	94	1214	0.243	ug/l #	62
6) Chloroethane	1.75	64	221	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	3870	3.135	ug/l	99
16) Acetone	2.43	43	21845	3.245	ug/l	99
18) Methyl Acetate	2.76	43	6248	0.735	ug/l	99
20) Methylene Chloride	2.85	84	10597	1.782	ug/l	96
25) 2-Butanone	4.68	43	5493	1.244	ug/l	96
36) 1,1-Dichloropropene	5.65	75	35617	4.653	ug/l #	46
38) Carbon Tetrachloride	5.65	117	45372	6.441	ug/l #	17
43) Isopropyl Acetate	6.43	43	119703	8.912	ug/l	99
48) Methyl methacrylate	7.67	41	6898	1.072	ug/l #	15
49) 1,4-Dioxane	7.73	88	108	0.792	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	114313	13.966	ug/l #	45
54) cis-1,3-Dichloropropene	8.61	75	52815	5.709	ug/l #	58
59) 2-Hexanone	9.43	43	135114	20.863	ug/l #	23
74) N-amyl acetate	10.82	43	5014	0.491	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	161170	23.626	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	161170	62.463	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	593	Below Cal		92
93) 1,2,4-Trichlorobenzene	13.63	180	401	Below Cal	#	40
96) 1,2,3-Trichlorobenzene	14.02	180	525	Below Cal	#	42

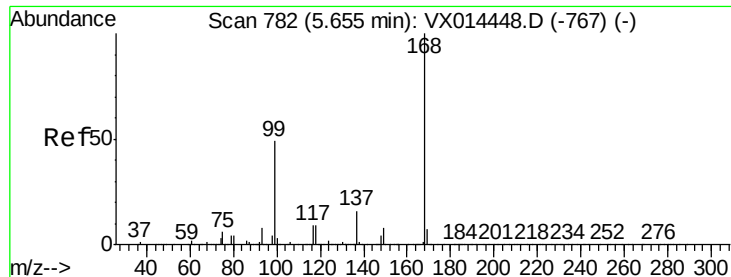
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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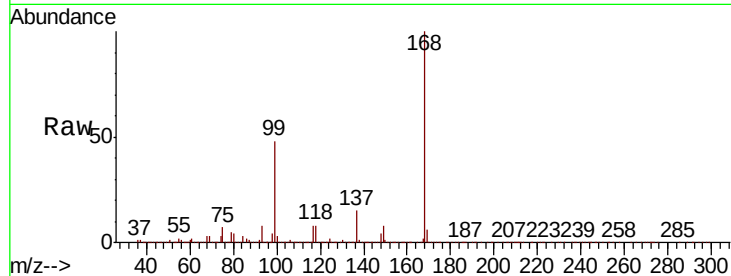


#1

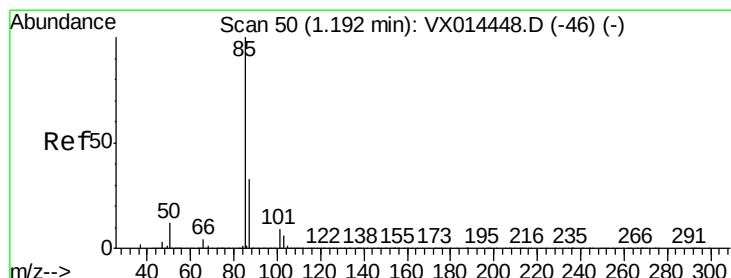
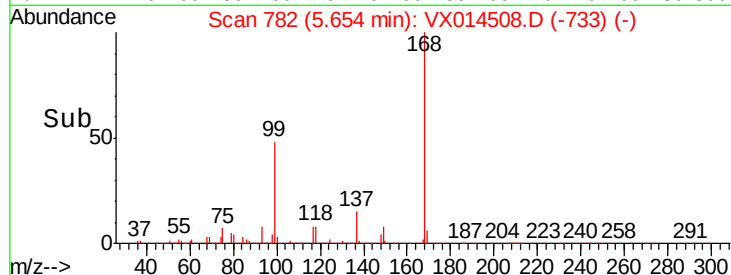
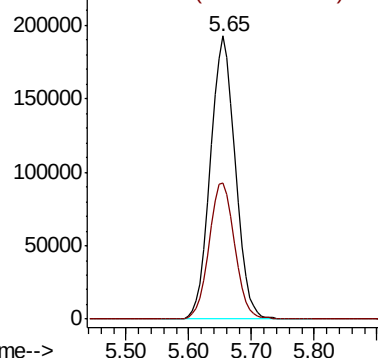
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

Instrument :
MSVOA_X
ClientSampleId :
SB-03

Tot Ion:168 Resp: 529568
Ion Ratio Lower Upper
168 100
99 47.9 39.2 58.8



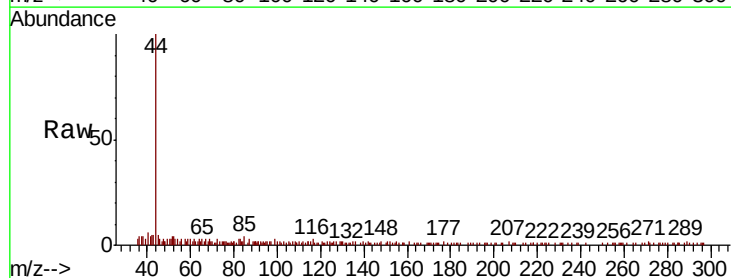
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



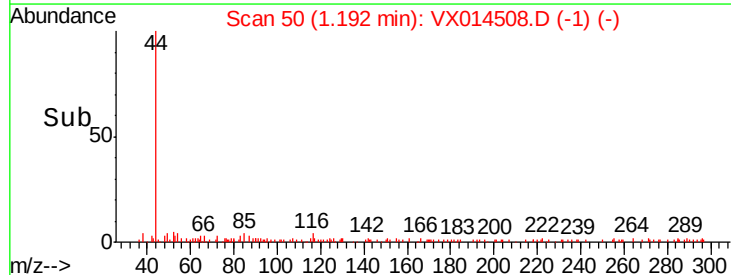
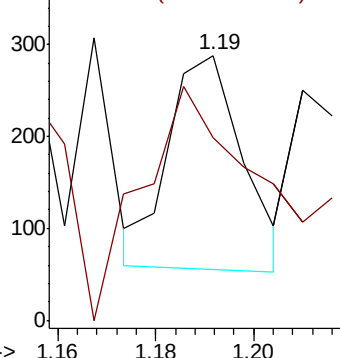
#2

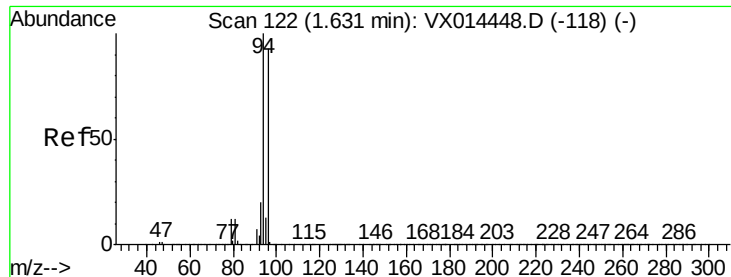
Dichlorodifluoromethane
Concen: 0.289 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

Tgt Ion: 85 Resp: 244
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0
Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.243 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampled :

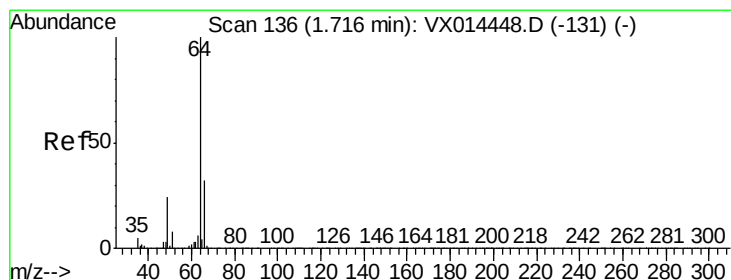
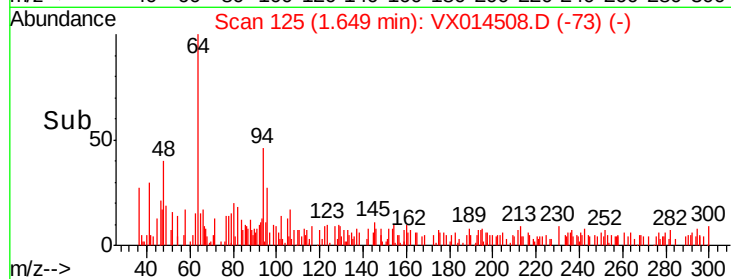
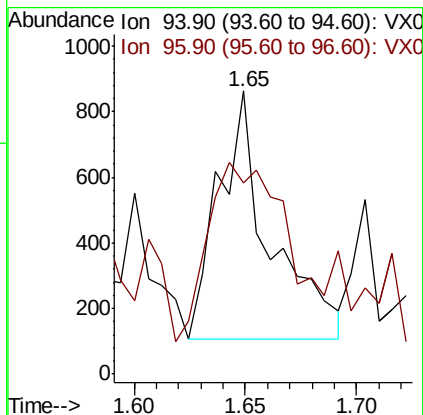
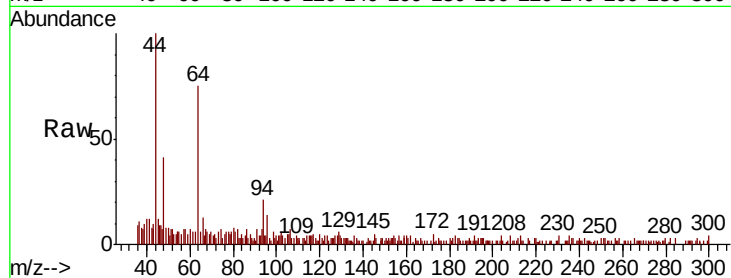
SB-03

Tot Ion: 94 Resp: 1214

Ion Ratio Lower Upper

94 100

96 56.2 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.03 min

Lab File: VX014508.D

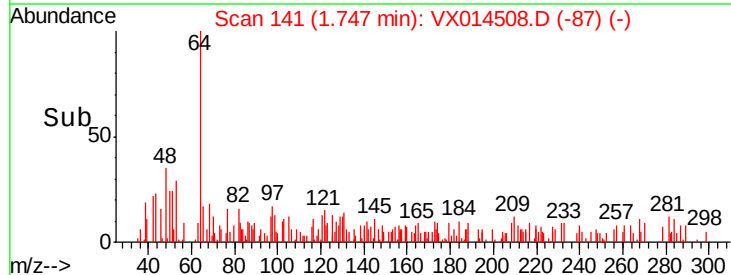
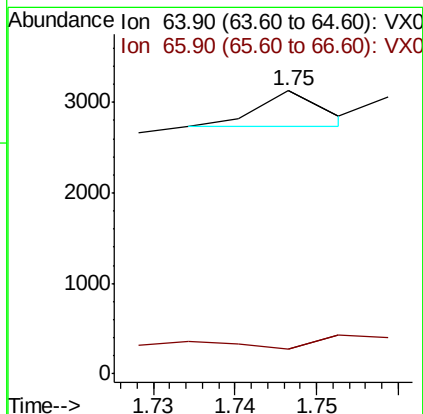
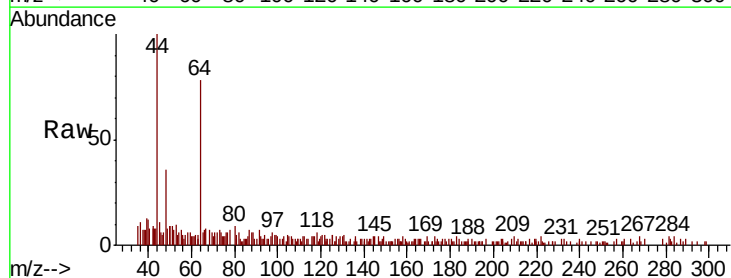
Acq: 09 Jan 2020 19:43

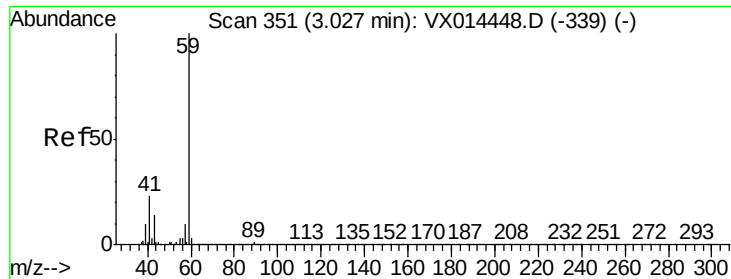
Tgt Ion: 64 Resp: 221

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

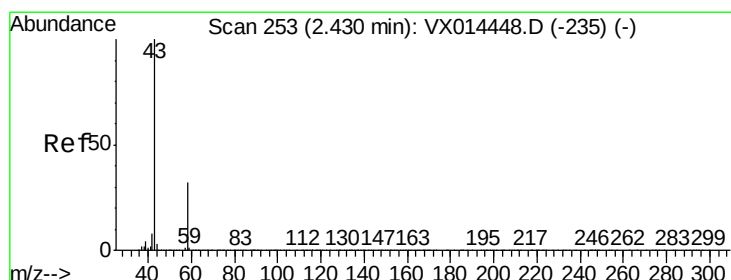
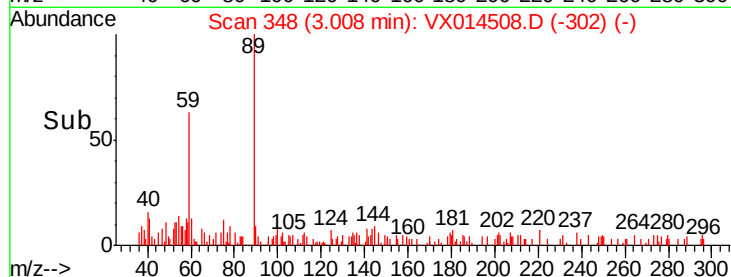
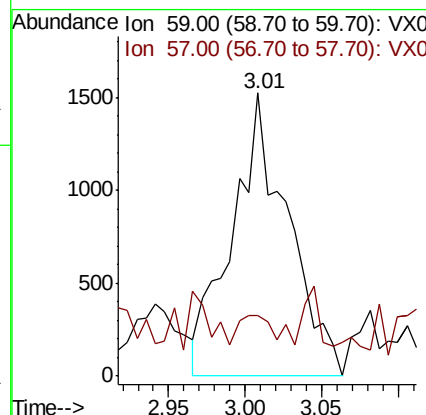
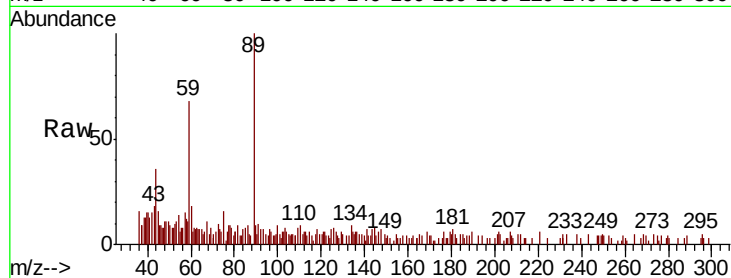




#11
Tert butyl alcohol
Concen: 3.135 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

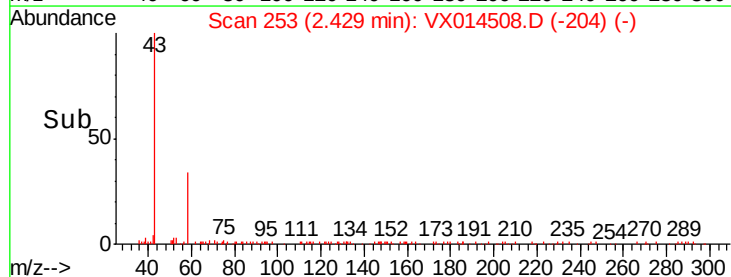
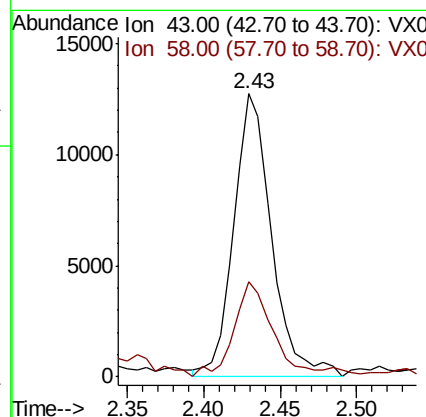
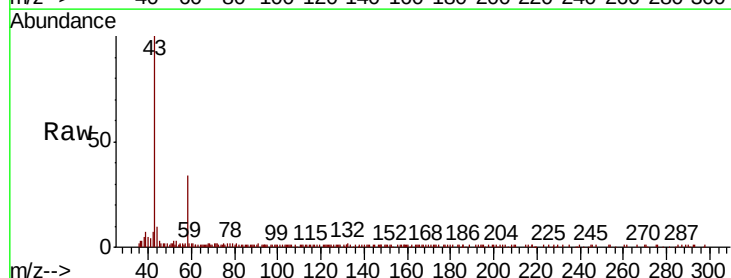
Instrument :
MSVOA_X
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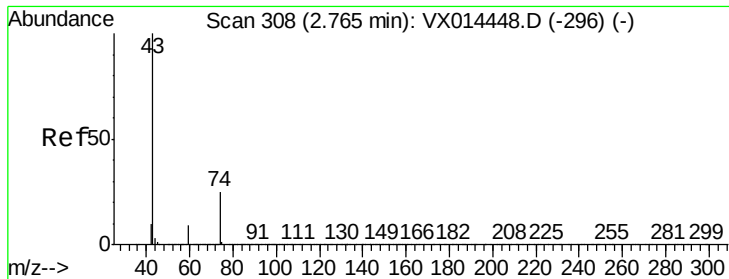
Tot Ion: 59 Resp: 3870
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#16
Acetone
Concen: 3.245 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

Tgt Ion: 43 Resp: 21845
Ion Ratio Lower Upper
43 100
58 32.2 25.4 38.0

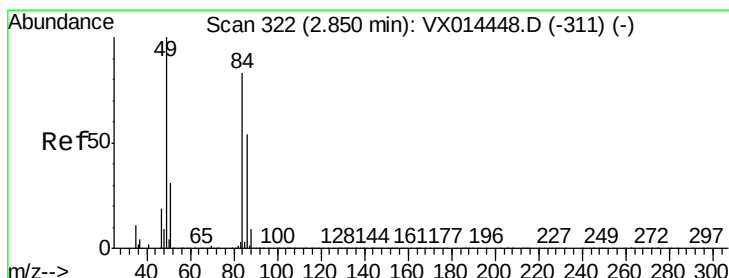
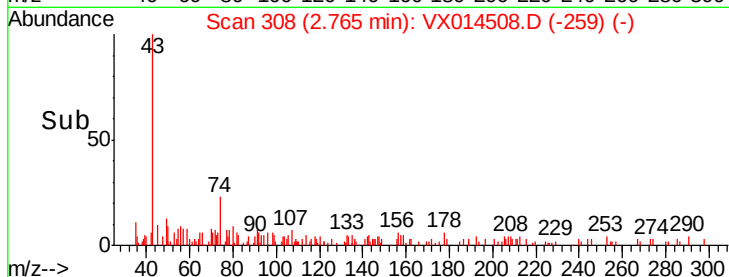
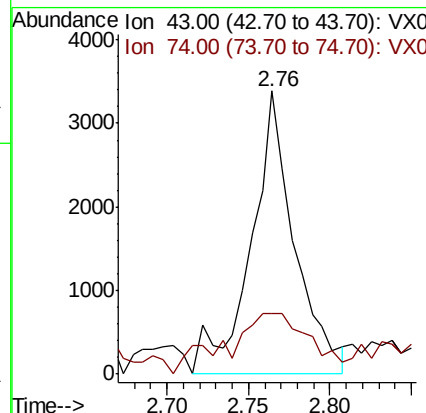
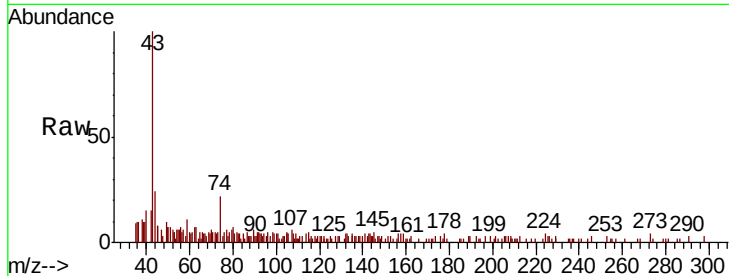




#18
Methvl Acetate
Concen: 0.735 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

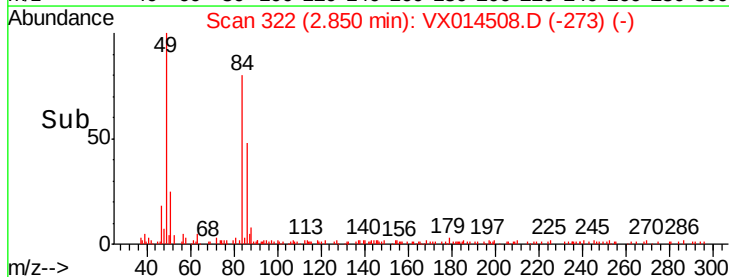
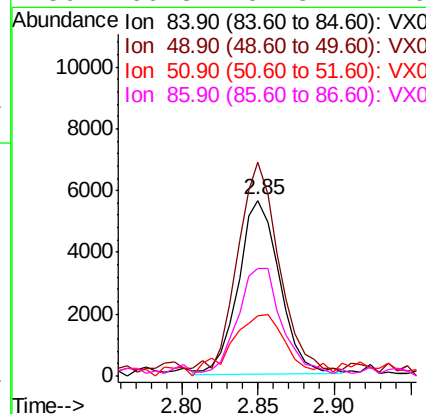
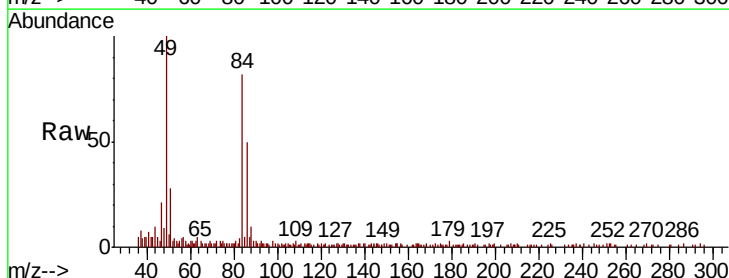
Instrument :
MSVOA_X
ClientSampleId :
SB-03

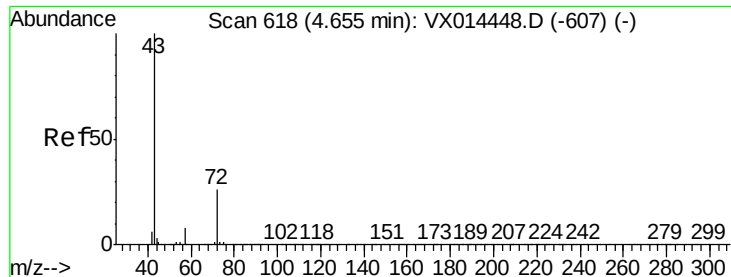
Tot Ion: 43 Resp: 6248
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.2



#20
Methylene Chloride
Concen: 1.782 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

Tgt Ion: 84 Resp: 10597
Ion Ratio Lower Upper
84 100
49 120.5 95.8 143.8
51 31.1 30.2 45.4
86 60.8 51.8 77.6

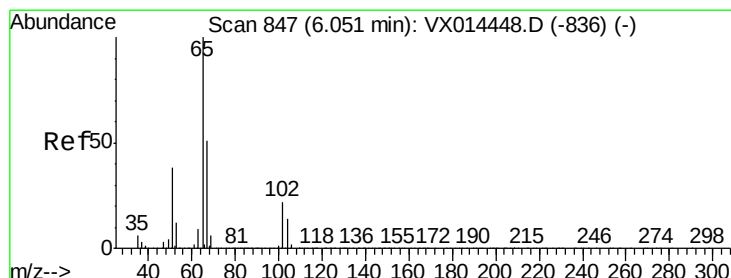
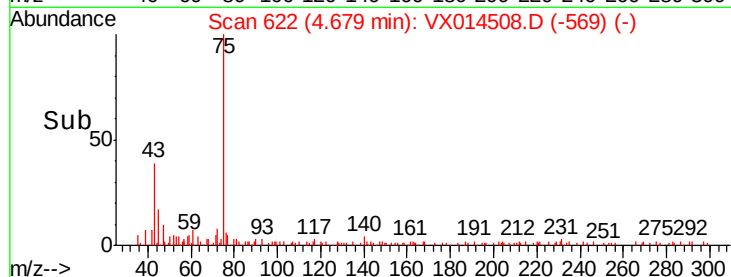
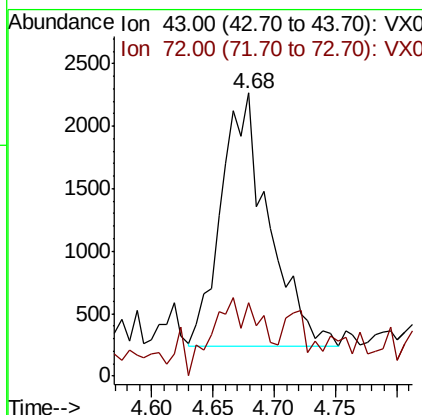
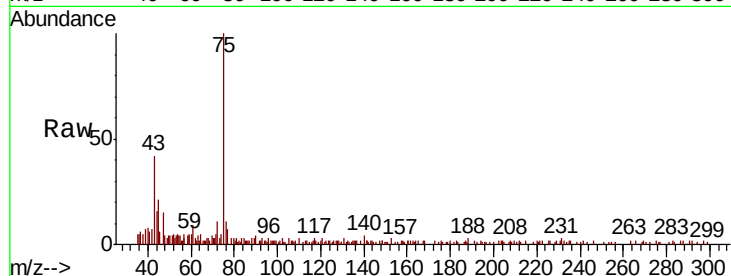




#25
2-Butanone
Concen: 1.244 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

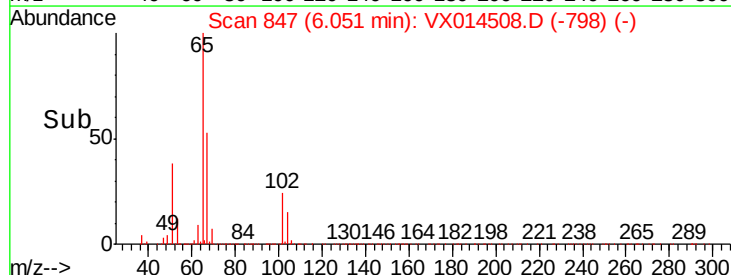
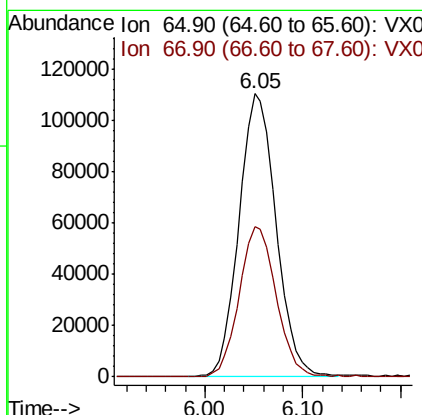
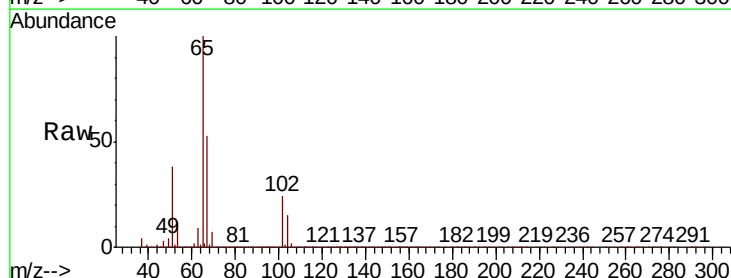
Instrument :
MSVOA_X
ClientSampled :
SB-03

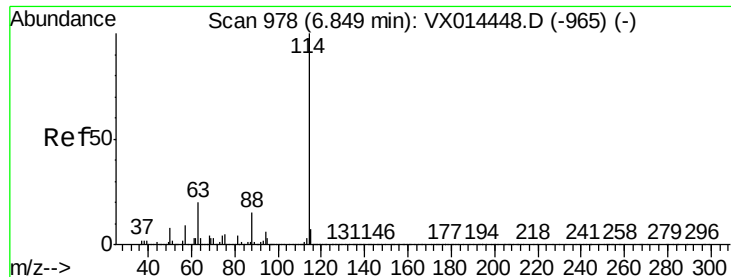
Tot Ion: 43 Resp: 5493
Ion Ratio Lower Upper
43 100
72 23.8 20.6 31.0



#33
1,2-Dichloroethane-d4
Concen: 49.252 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

Tgt Ion: 65 Resp: 291169
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

SB-03

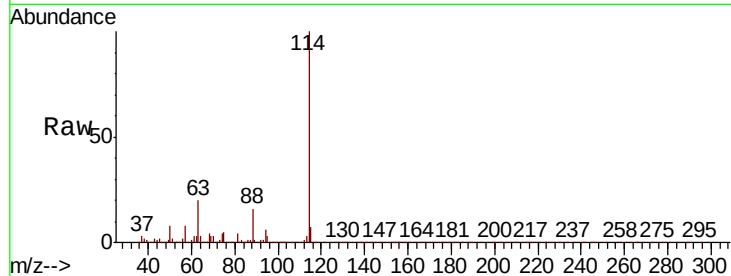
Tot Ion:114 Resp: 813977

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

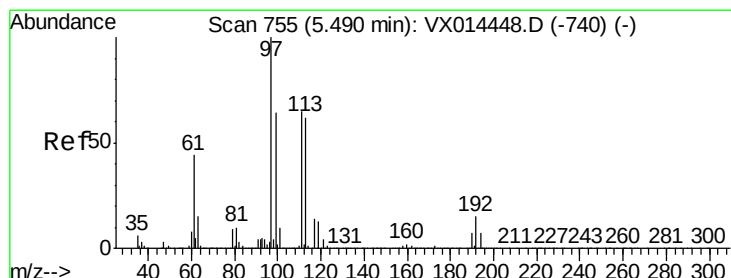
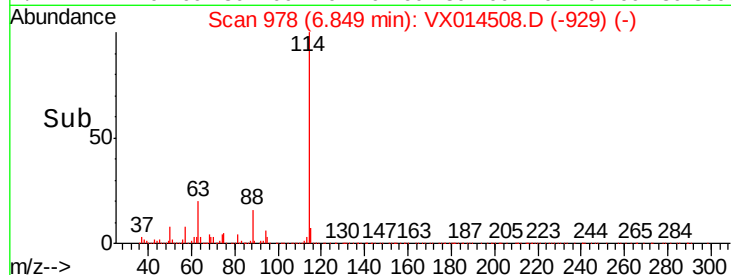
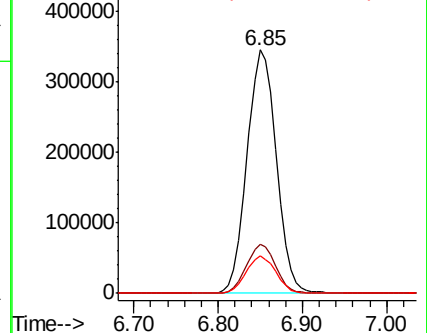
88 15.5 0.0 30.8



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: 49.304 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

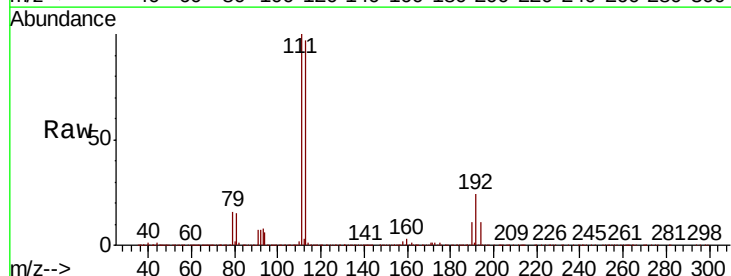
Tgt Ion:113 Resp: 242937

Ion Ratio Lower Upper

113 100

111 103.7 81.5 122.3

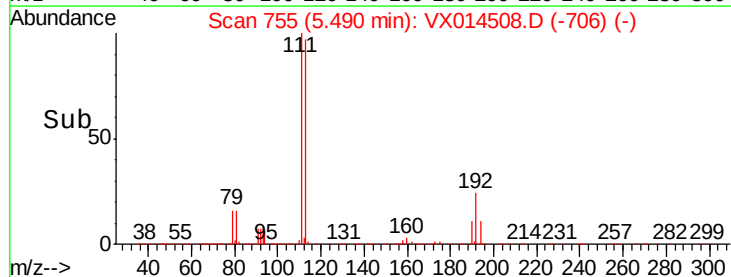
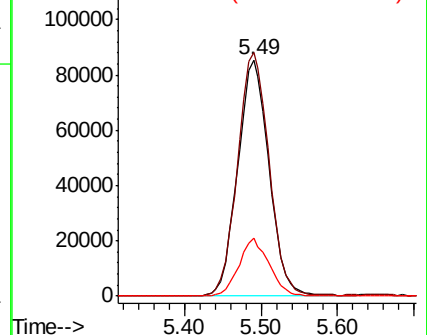
192 23.7 19.2 28.8

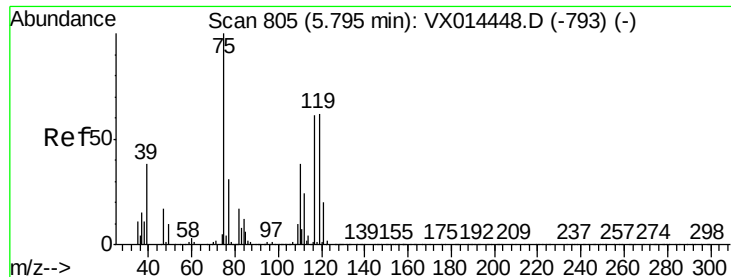


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

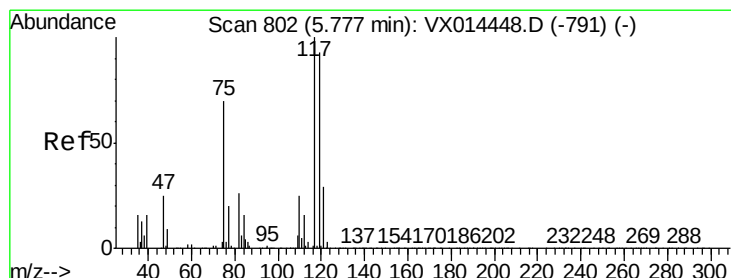
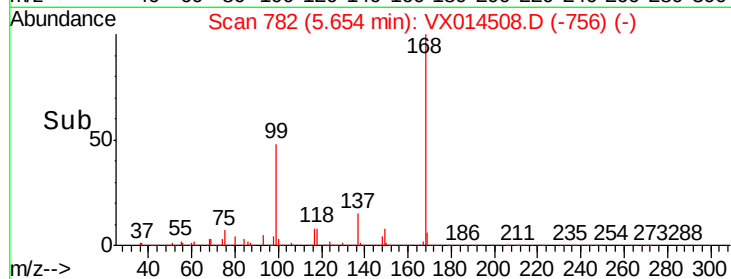
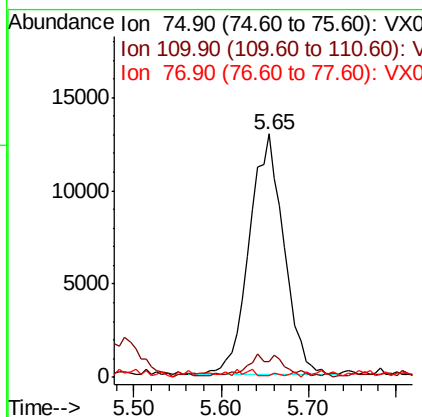
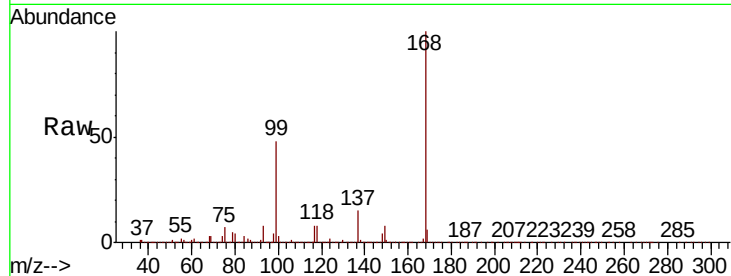




#36
 1,1-Dichloropropene
 Concen: 4.653 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX014508.D
 Acq: 09 Jan 2020 19:43

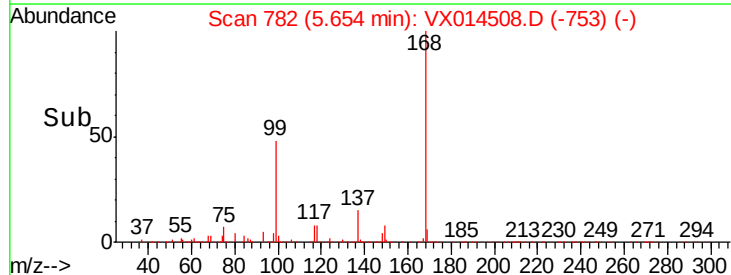
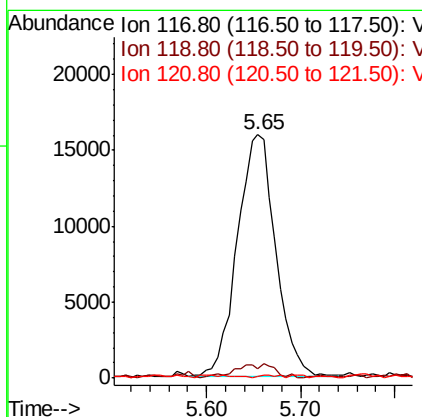
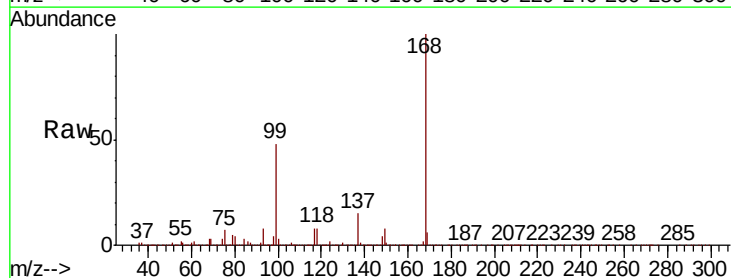
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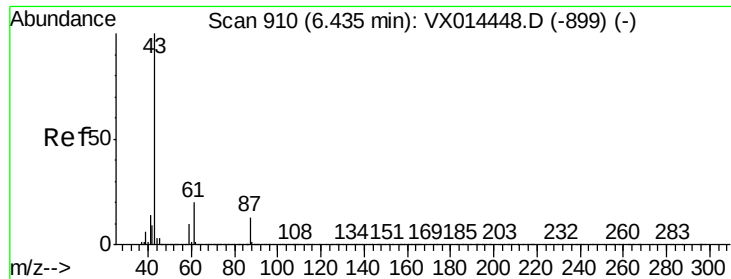
Tot Ion	Ratio	Lower	Upper
75	100		
110	5.1	18.6	55.8#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.441 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014508.D
 Acq: 09 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	73.8	110.8#
121	0.8	23.4	35.0#





#43

Isopropyl Acetate

Concen: 8.912 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

SB-03

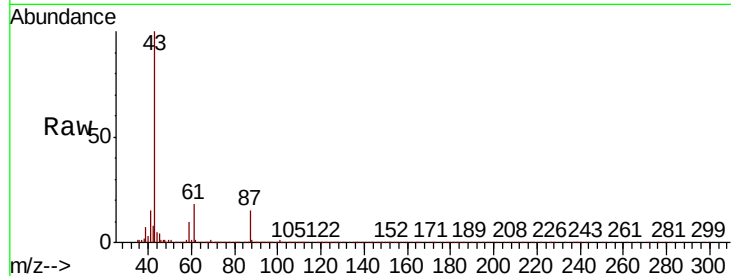
Tot Ion: 43 Resp: 119703

Ion Ratio Lower Upper

43 100

61 21.1 16.6 24.8

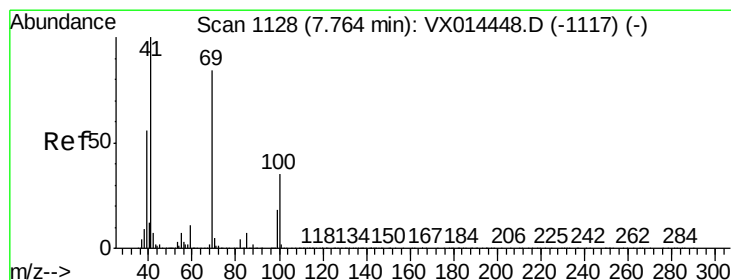
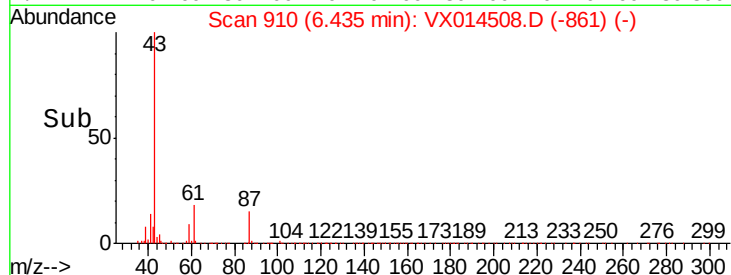
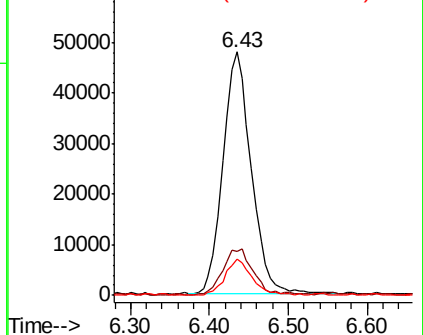
87 14.1 10.8 16.2



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: 1.072 ug/l

RT: 7.67 min Scan# 1112

Delta R.T. -0.10 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

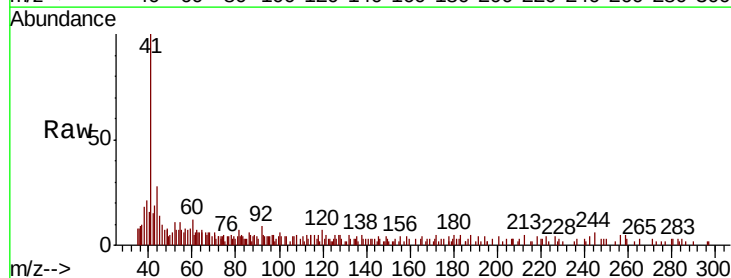
Tgt Ion: 41 Resp: 6898

Ion Ratio Lower Upper

41 100

69 0.0 65.5 98.3#

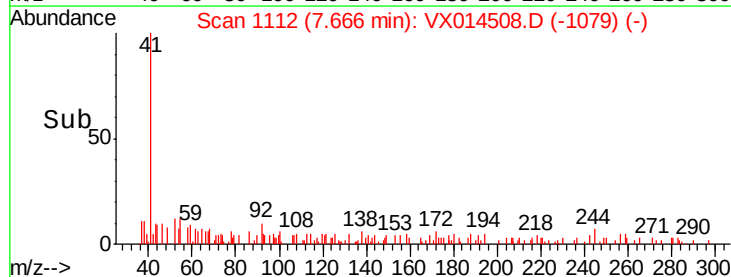
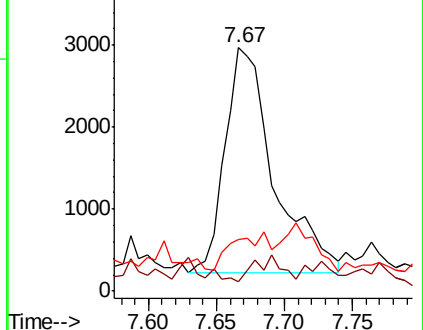
39 0.0 43.9 65.9#

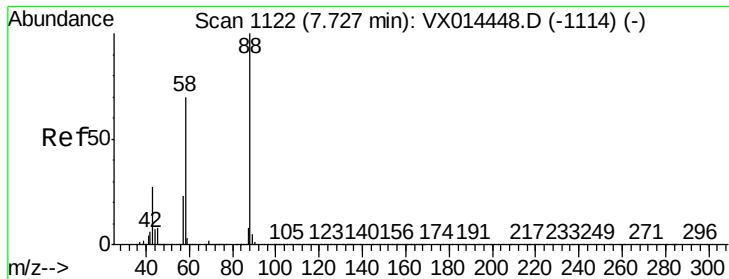


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.792 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

SB-03

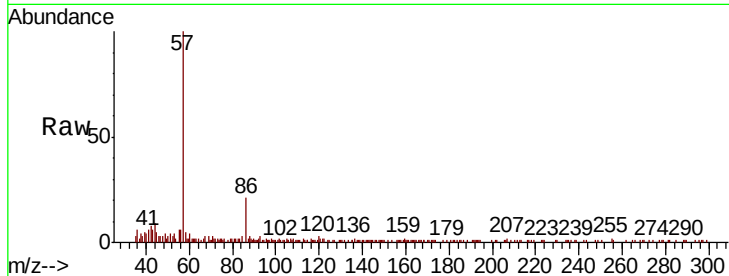
Tot Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

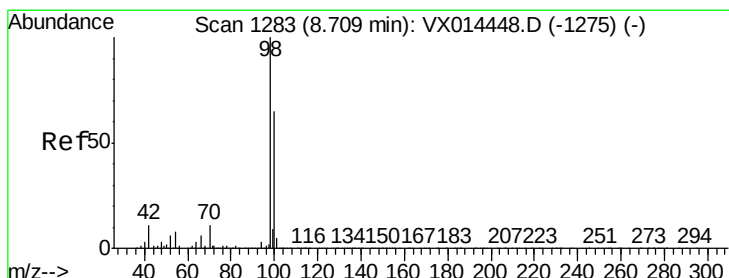
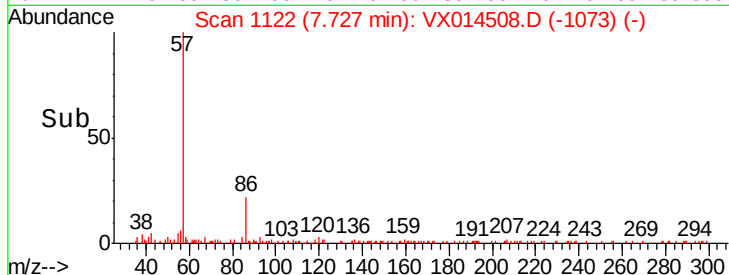
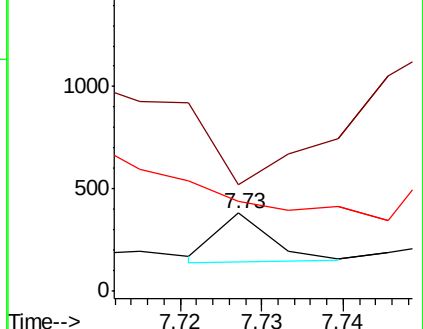
58 0.0 57.1 85.7#



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: 51.259 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014508.D

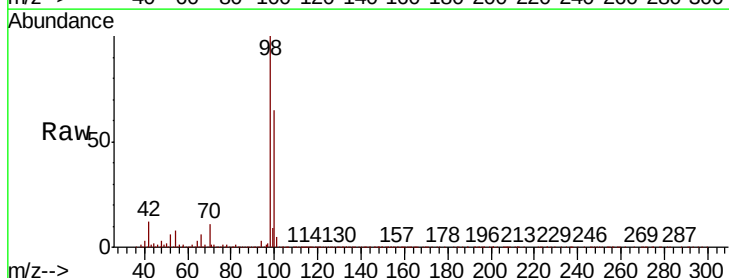
Acq: 09 Jan 2020 19:43

Tgt Ion: 98 Resp: 980145

Ion Ratio Lower Upper

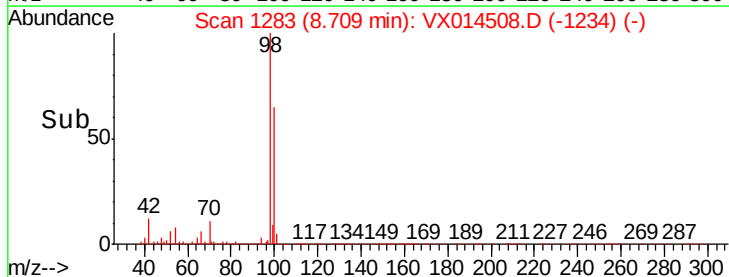
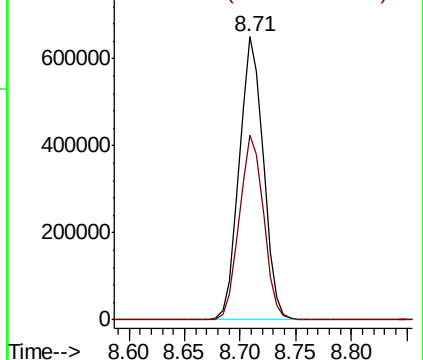
98 100

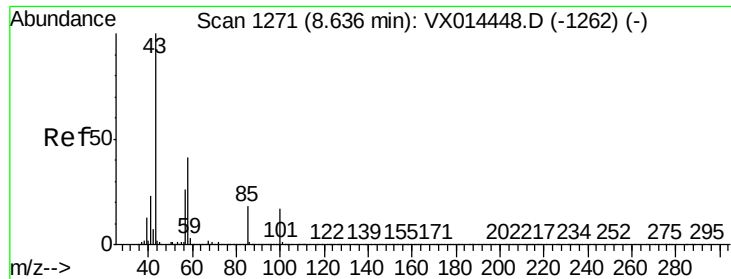
100 65.6 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

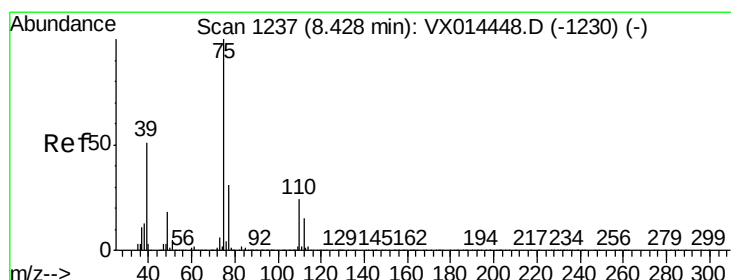
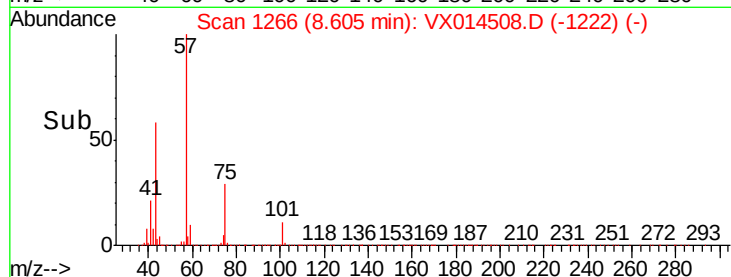
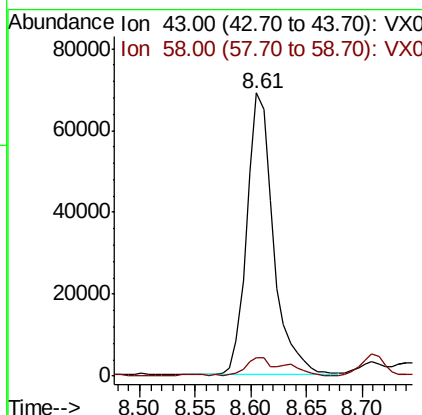
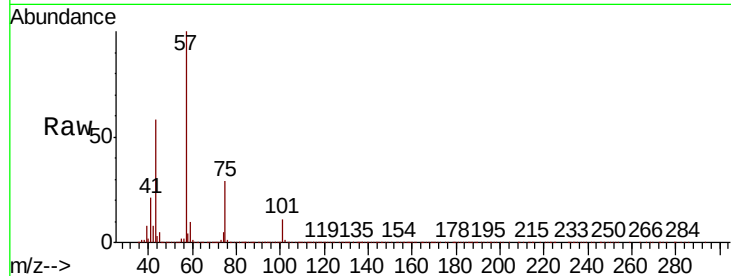




#51
 4-Methyl-2-Pentanone
 Concen: 13.966 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX014508.D
 Acq: 09 Jan 2020 19:43

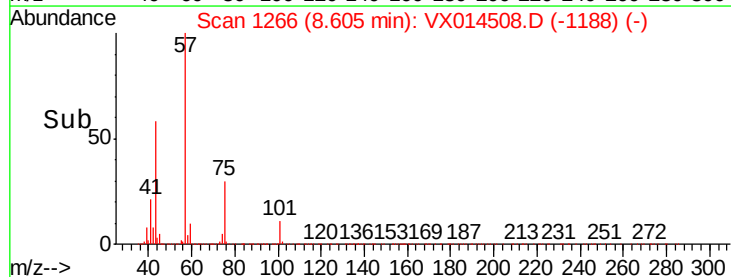
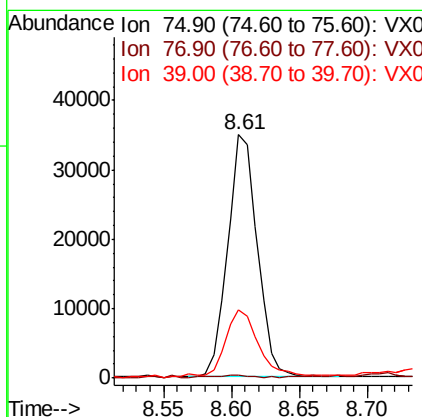
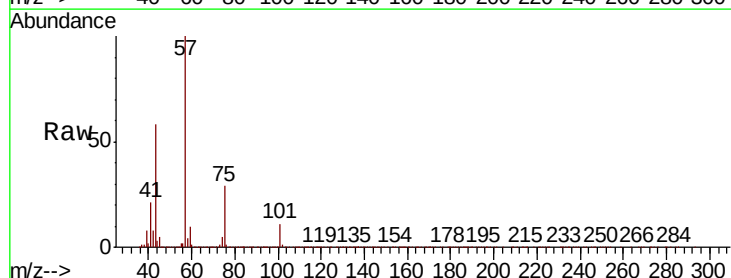
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-03

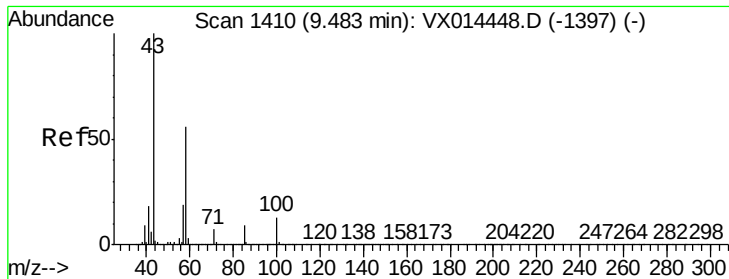
Tot Ion: 43 Resp: 114313
 Ion Ratio Lower Upper
 43 100
 58 6.0 32.4 48.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.709 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX014508.D
 Acq: 09 Jan 2020 19:43

Tgt Ion: 75 Resp: 52815
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 27.0 40.7 61.1#





#59

2-Hexanone

Concen: 20.863 ug/l

RT: 9.43 min Scan# 1402

Delta R.T. -0.05 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

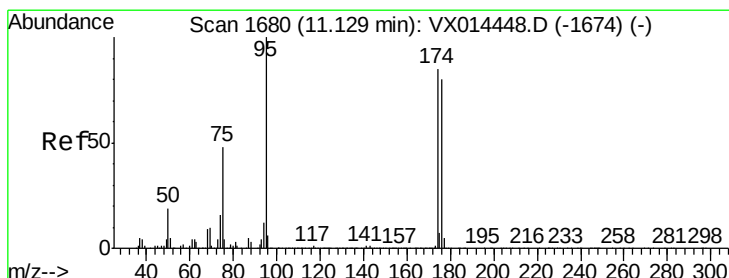
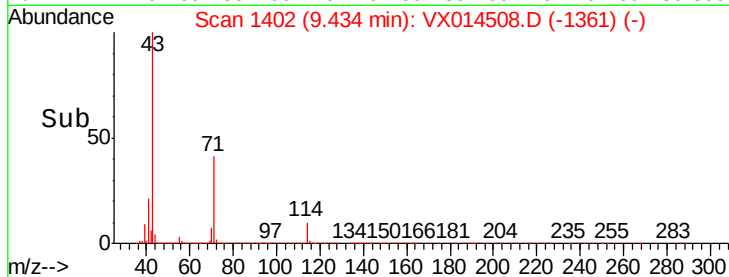
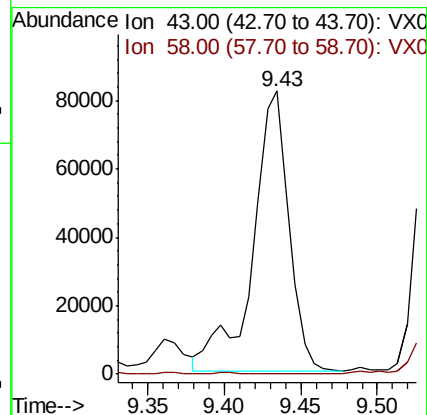
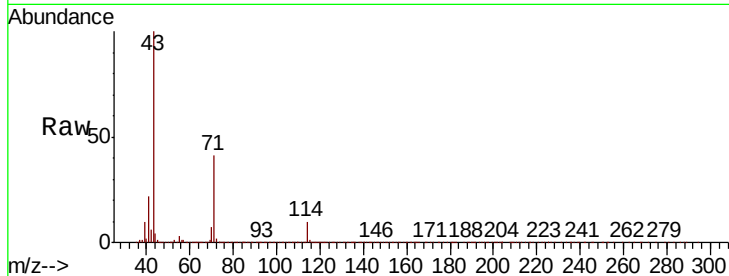
SB-03

Tot Ion: 43 Resp: 135114

Ion Ratio Lower Upper

43 100

58 0.0 27.9 83.7#



#62

4-Bromofluorobenzene

Concen: 47.148 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

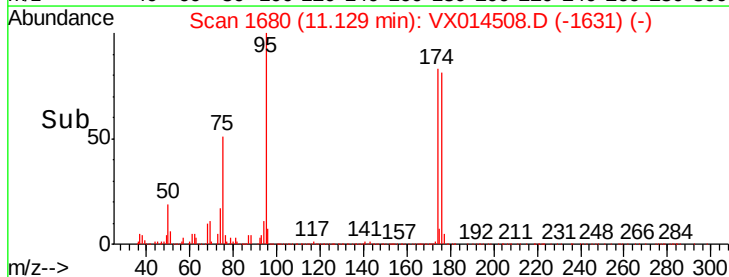
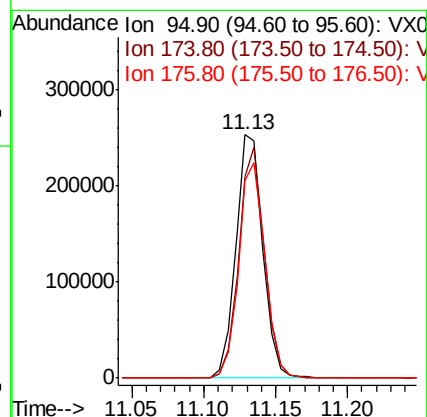
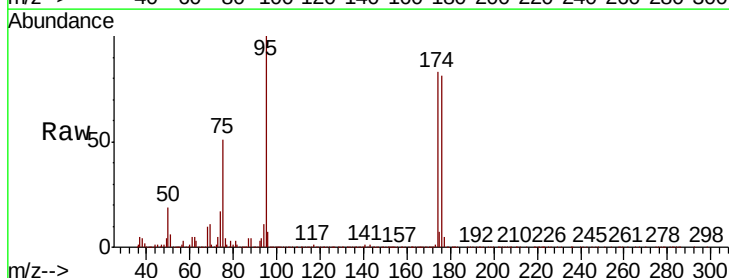
Tgt Ion: 95 Resp: 330962

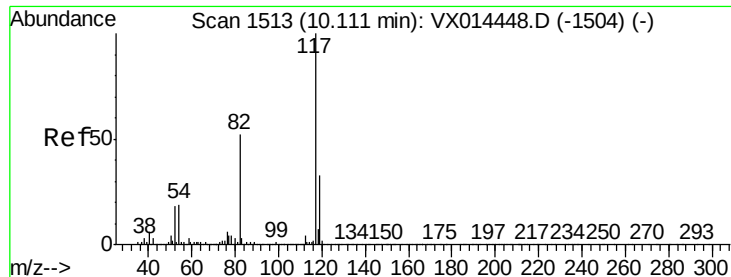
Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.8

176 86.5 0.0 172.8

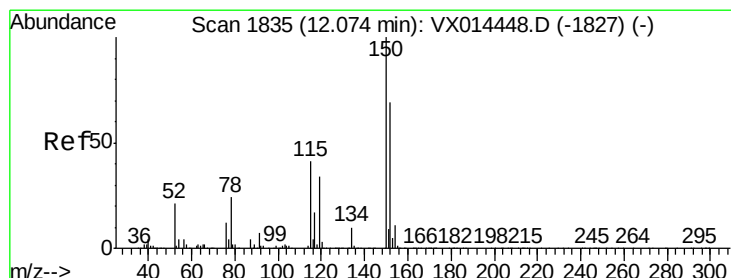
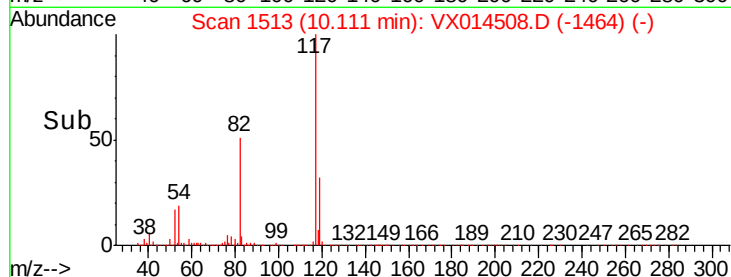
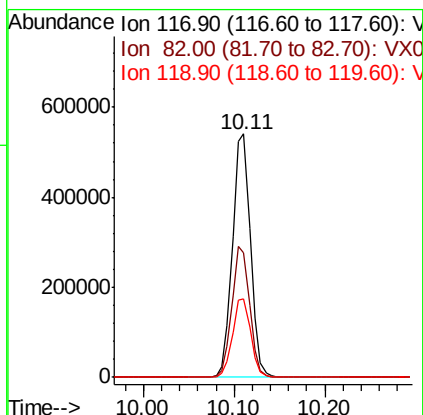
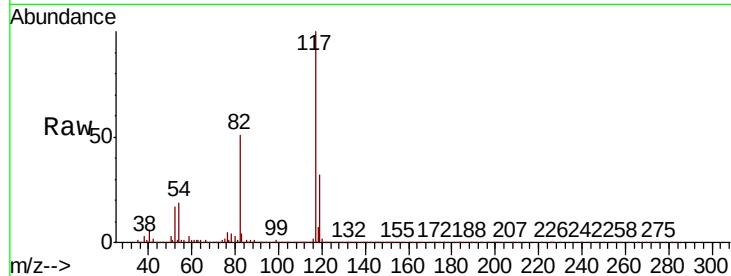




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

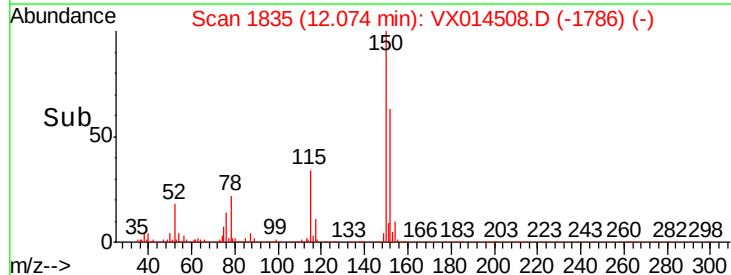
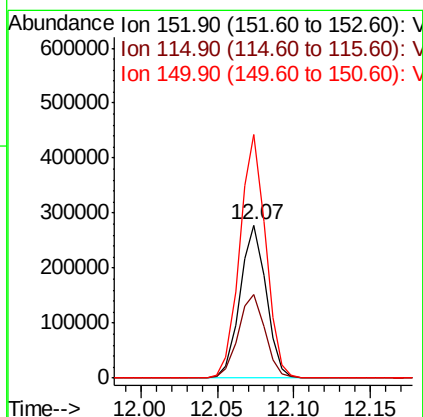
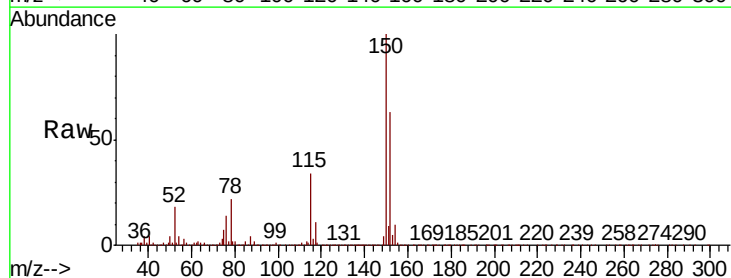
Instrument :
MSVOA_X
ClientSampleId :
SB-03

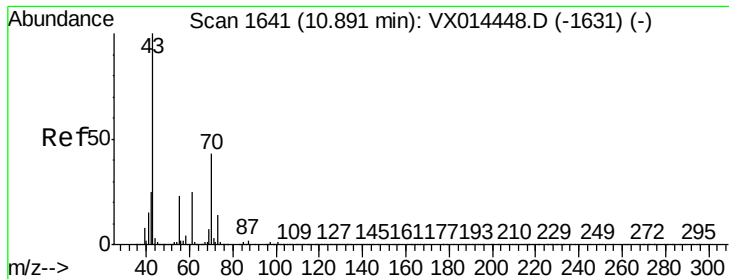
Tot Ion:117 Resp: 744242
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.6
119 32.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

Tgt Ion:152 Resp: 329705
Ion Ratio Lower Upper
152 100
115 55.9 39.5 118.3
150 157.5 0.0 350.2





#74

N-amvl acetate

Concen: 0.491 ug/l

RT: 10.82 min Scan# 1629

Delta R.T. -0.07 min

Lab File: VX014508.D

Acq: 09 Jan 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

SB-03

Tot Ion: 43 Resp: 5014

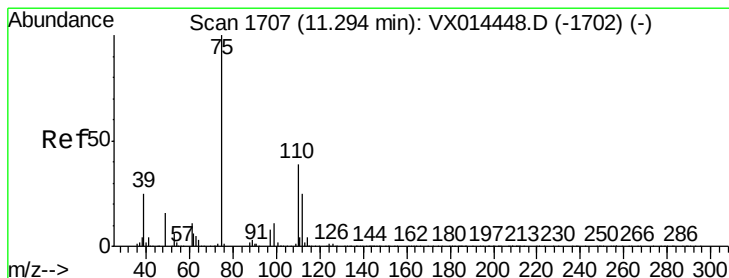
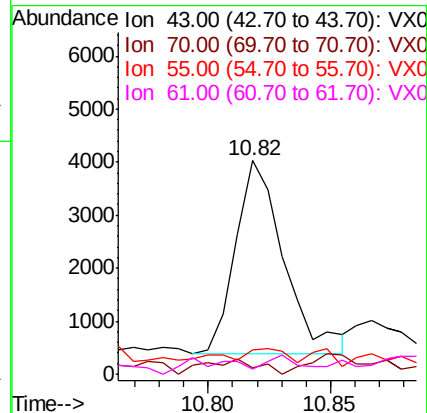
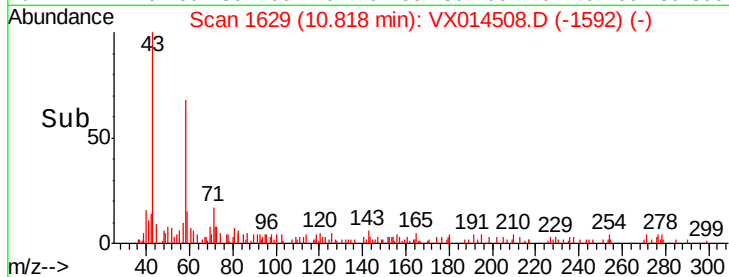
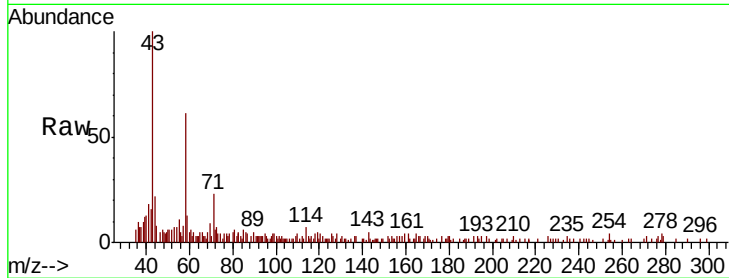
Ion Ratio Lower Upper

43 100

70 8.4 35.1 52.7#

55 8.4 19.3 28.9#

61 0.0 20.0 30.0#



#76

1,2,3-Trichloropropane

Concen: 23.626 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014508.D

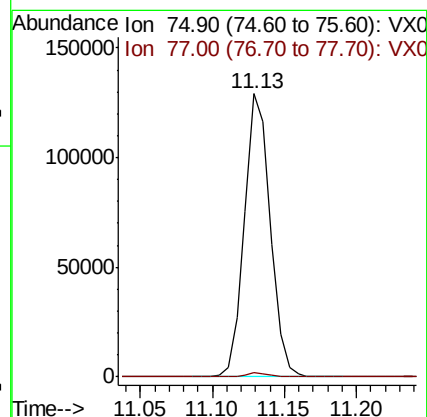
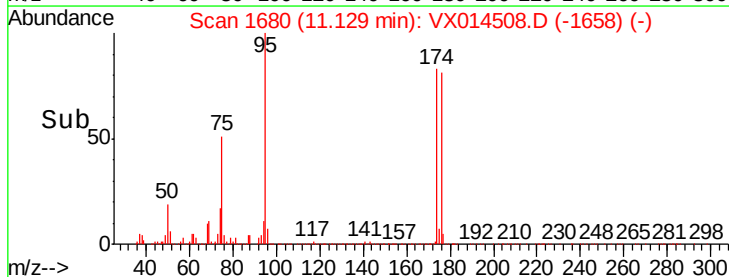
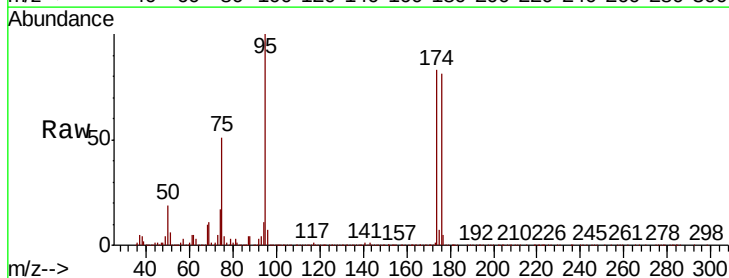
Acq: 09 Jan 2020 19:43

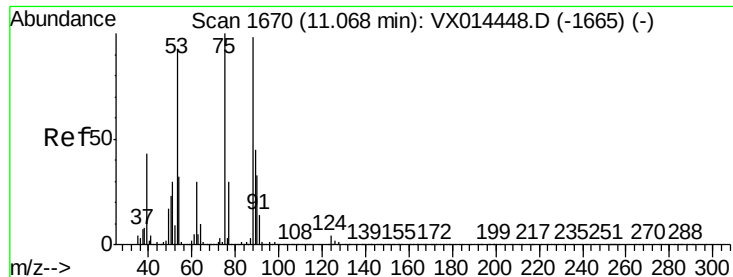
Tgt Ion: 75 Resp: 161170

Ion Ratio Lower Upper

75 100

77 1.5 21.9 65.7#

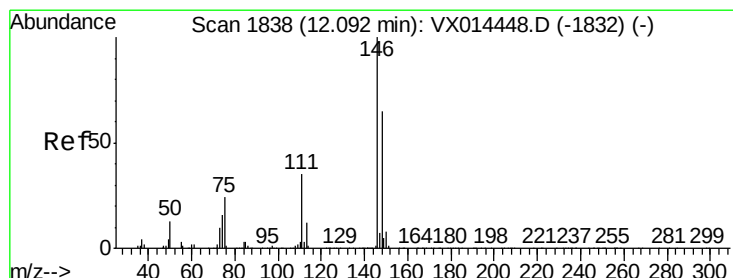
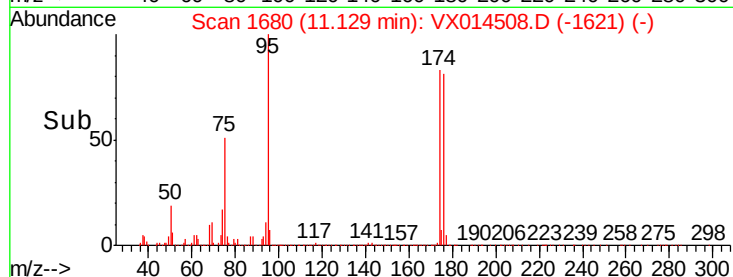
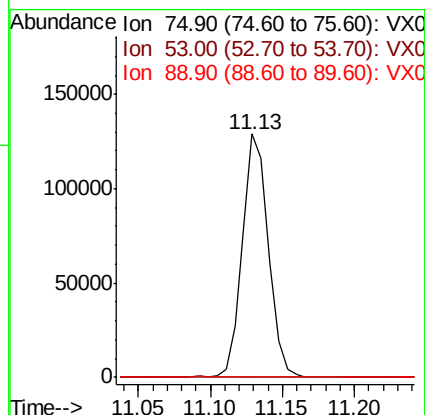
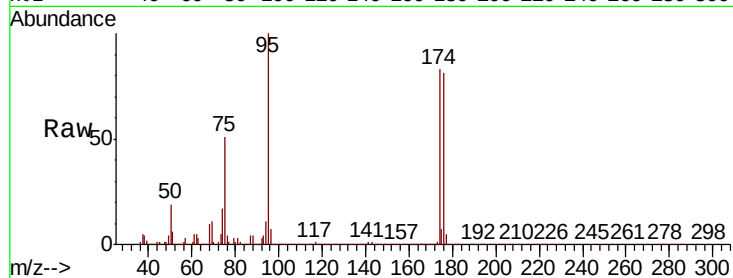




#81
trans-1,4-Dichloro-2-butene
Concen: 62.463 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

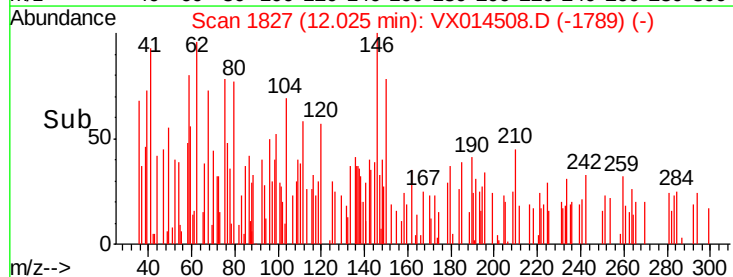
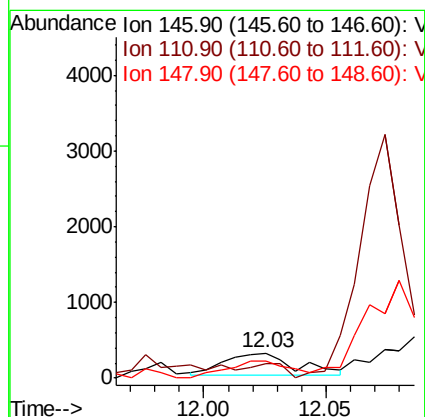
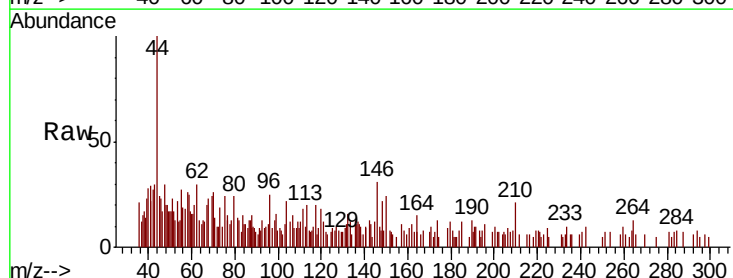
Instrument :
MSVOA_X
ClientSampleId :
SB-03

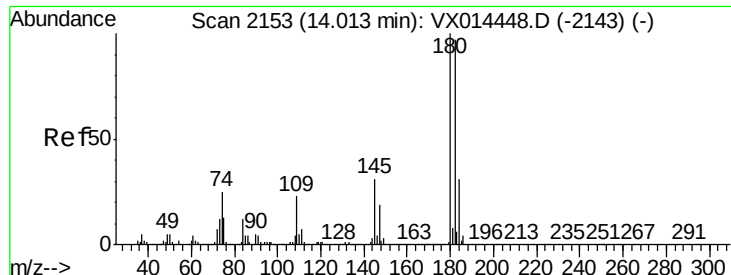
Tot Ion: 75 Resp: 161170
Ion Ratio Lower Upper
75 100
53 0.2 74.8 112.2#
89 0.0 36.3 54.5#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 12.03 min Scan# 1827
Delta R.T. -0.07 min
Lab File: VX014508.D
Acq: 09 Jan 2020 19:43

Tgt Ion: 146 Resp: 593
Ion Ratio Lower Upper
146 100
111 32.4 18.1 54.1
148 70.8 32.1 96.3





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014508.D
 Acq: 09 Jan 2020 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-03

Tot Ion	Ratio	Lower	Upper
180	100		
182	51.6	47.9	143.6
145	83.2	14.8	44.3#

