

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015248.D
 Acq On : 13 Mar 2020 10:49
 Operator : JC/SP
 Sample : L1903-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20200307

Quant Time: Mar 16 08:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	290631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	455962	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	438275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	219648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	164549	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	5.50	113	141684	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	8.71	98	555246	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.13	95	200942	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

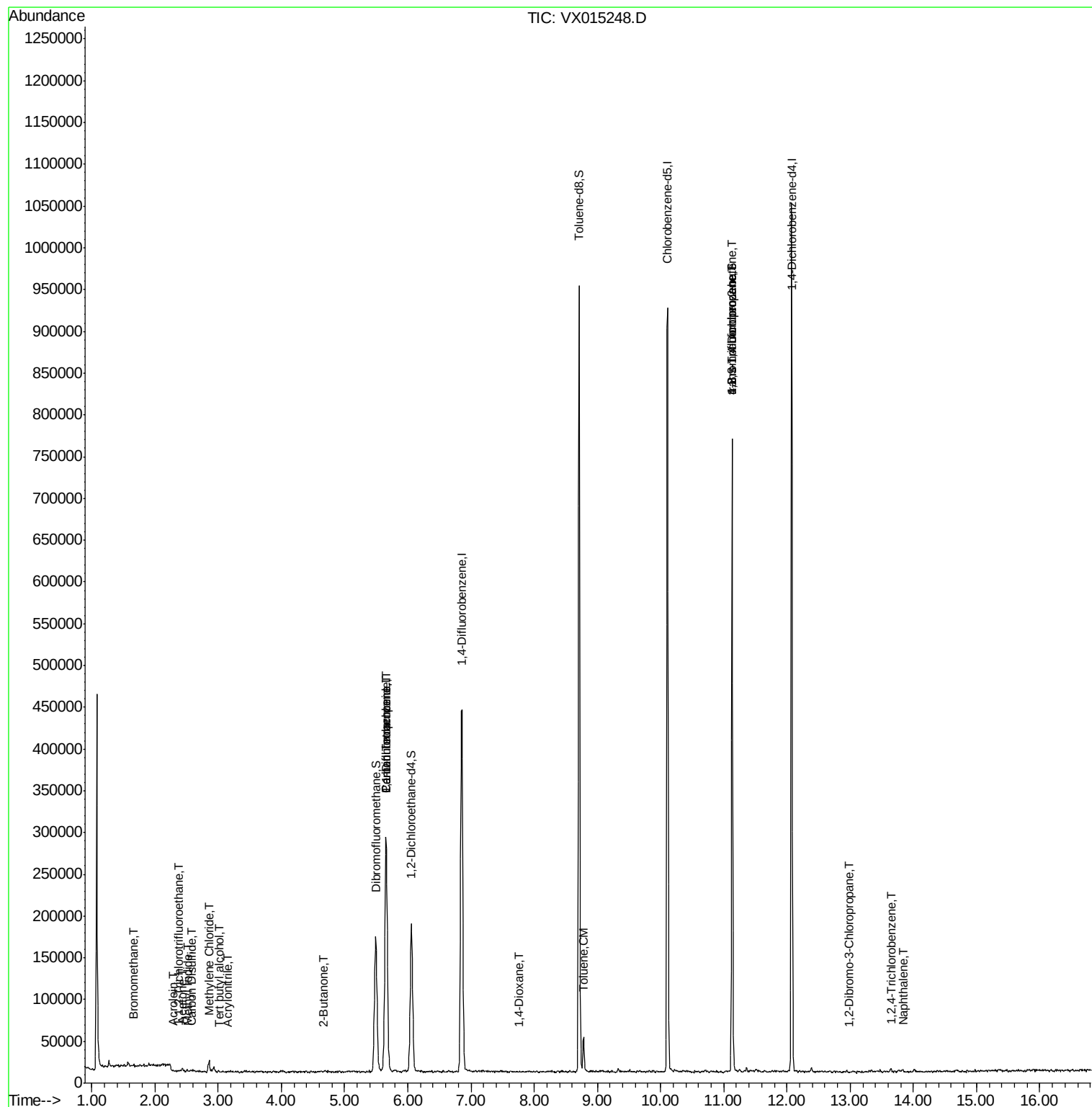
					Qvalue	
5) Bromomethane	1.66	94	1260	0.561	ug/l #	67
9) 1,1,2-Trichlorotrifluoroet	2.37	101	580	0.212	ug/l #	62
10) Methyl Iodide	2.53	142	1184	0.383	ug/l #	71
11) Tert butyl alcohol	3.02	59	413	0.690	ug/l #	26
13) Acrolein	2.28	56	369	0.656	ug/l	89
15) Acrylonitrile	3.15	53	450	0.302	ug/l #	3
16) Acetone	2.43	43	4516	3.234	ug/l	90
17) Carbon Disulfide	2.57	76	1667	0.213	ug/l #	65
20) Methylene Chloride	2.85	84	7206	2.205	ug/l #	84
25) 2-Butanone	4.65	43	577	0.282	ug/l #	72
36) 1,1-Dichloropropene	5.65	75	19489	4.624	ug/l #	52
38) Carbon Tetrachloride	5.65	117	24680	6.203	ug/l #	16
49) 1,4-Dioxane	7.76	88	90	1.189	ug/l #	1
52) Toluene	8.78	92	15360	2.009	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	97709	22.301	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	97709	63.291	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	228	0.243	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.64	180	1052	0.222	ug/l #	80
95) Naphthalene	13.84	128	1085	1.492	ug/l #	73

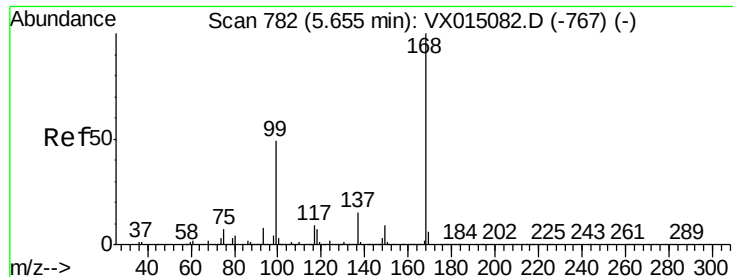
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.01 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

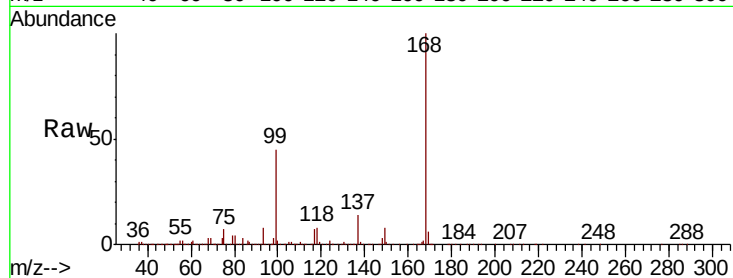
EB02-20200307

Tot Ion:168 Resp: 290631

Ion Ratio Lower Upper

168 100

99 45.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

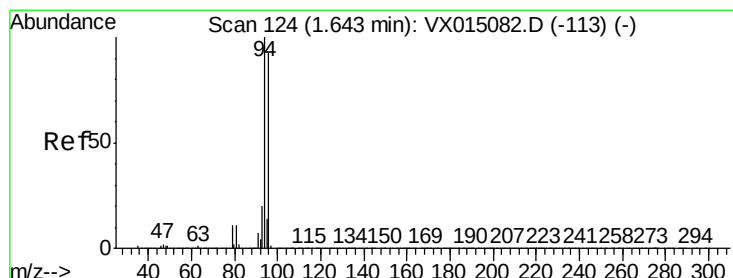
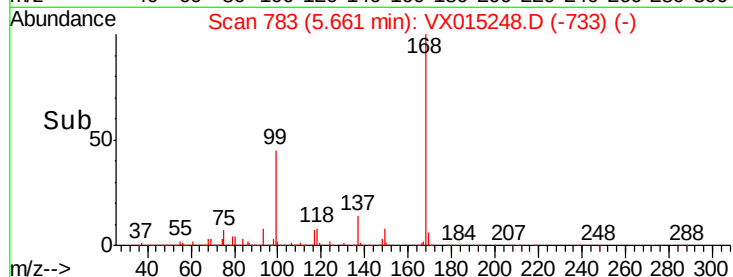
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.561 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015248.D

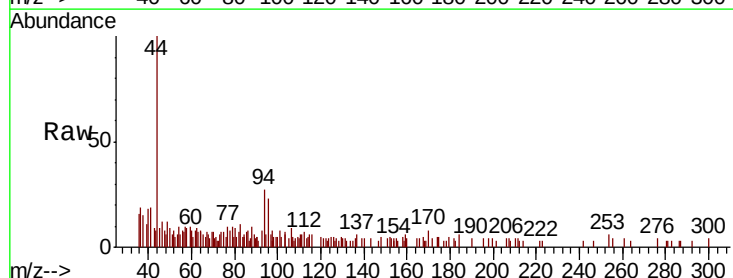
Acq: 13 Mar 2020 10:49

Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

94 100

96 61.4 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

600

500

400

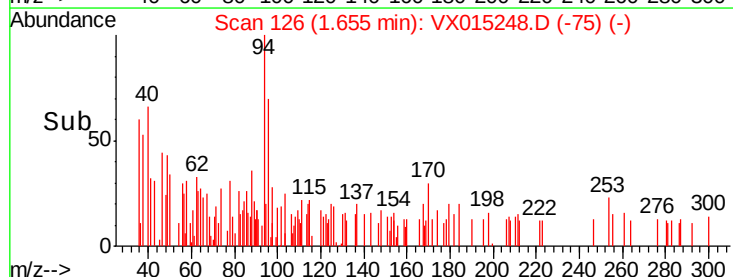
300

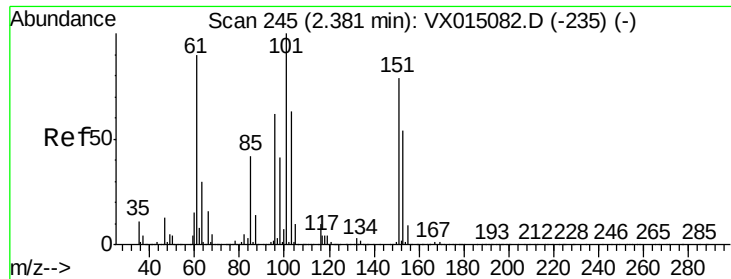
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.212 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

EB02-20200307

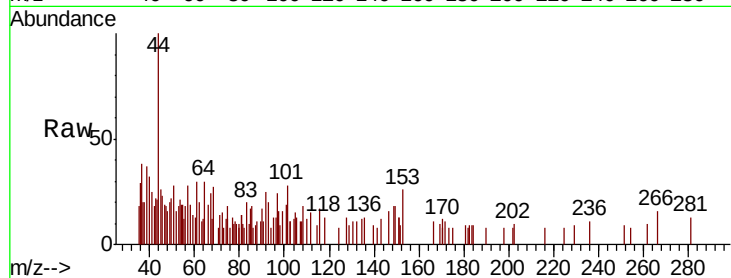
Tot Ion:101 Resp: 580

Ion Ratio Lower Upper

101 100

85 46.4 33.7 50.5

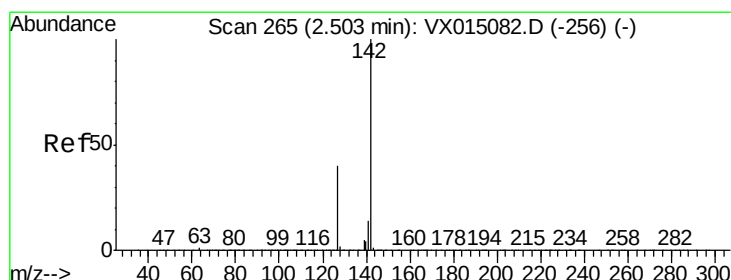
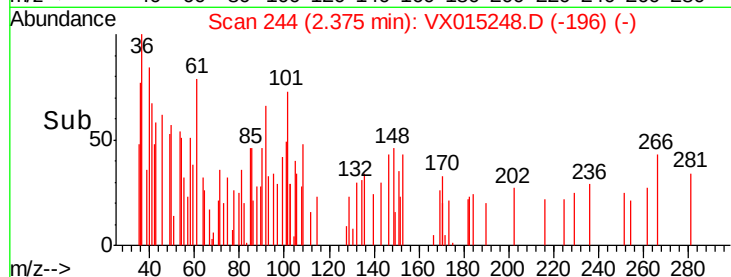
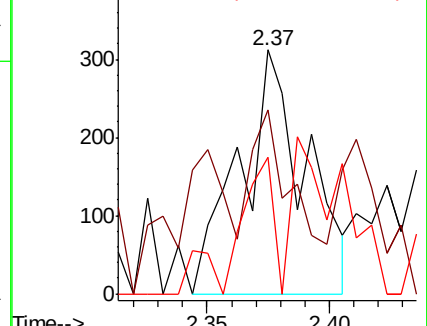
151 31.6 64.0 96.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.383 ug/l

RT: 2.53 min Scan# 269

Delta R.T. 0.02 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

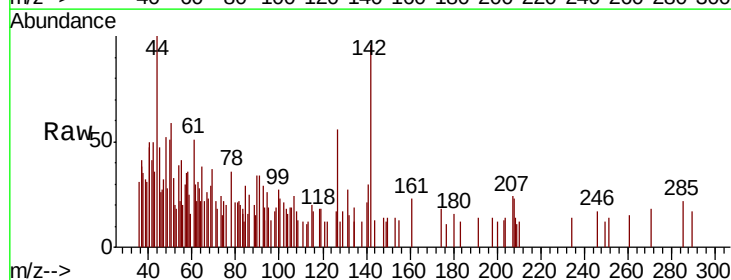
Tgt Ion:142 Resp: 1184

Ion Ratio Lower Upper

142 100

127 17.3 31.7 47.5#

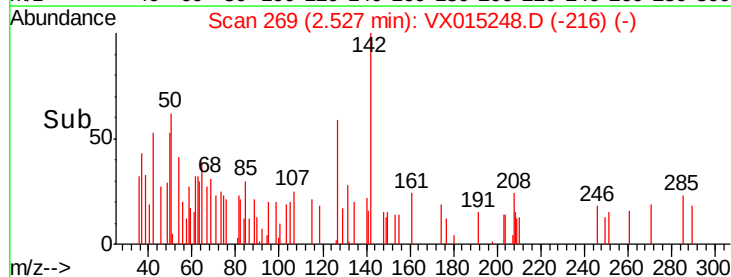
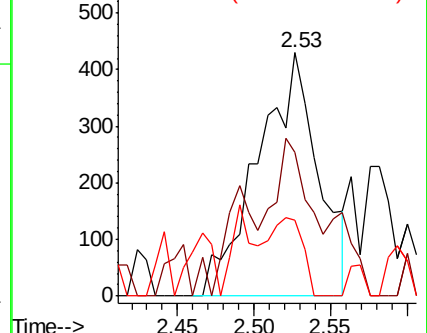
141 17.9 11.3 16.9#

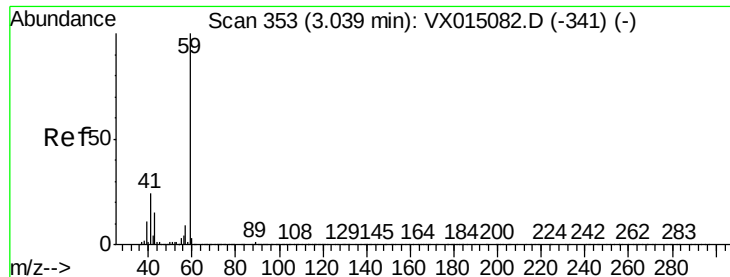


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



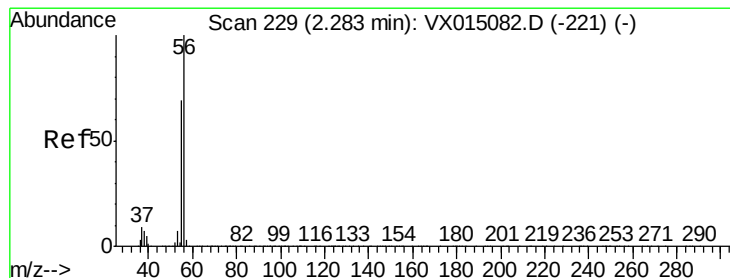
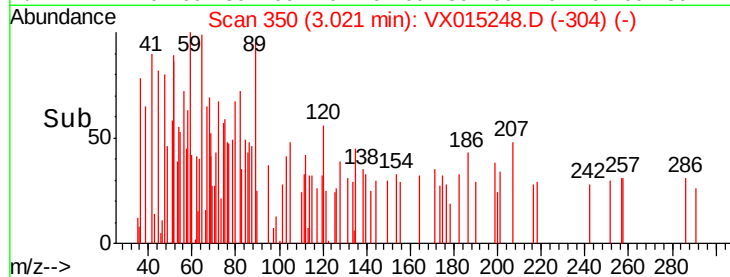
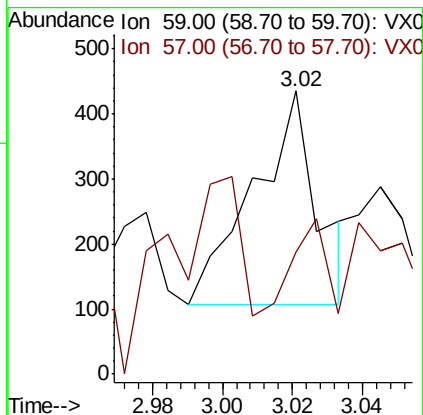
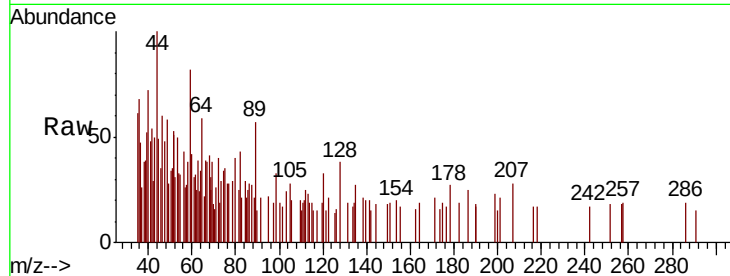


#11

Tert butyl alcohol
 Concen: 0.690 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX015248.D
 Acq: 13 Mar 2020 10:49

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20200307

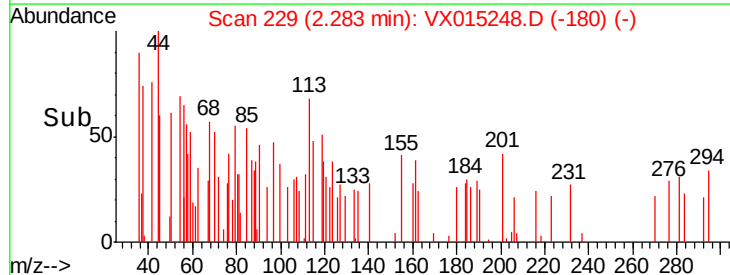
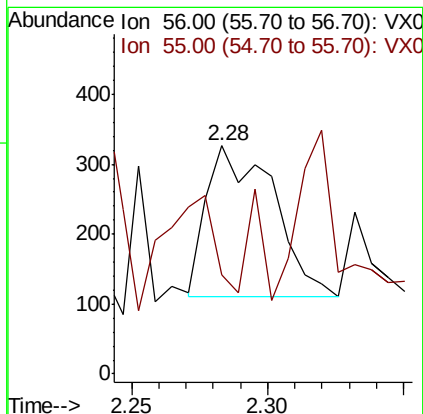
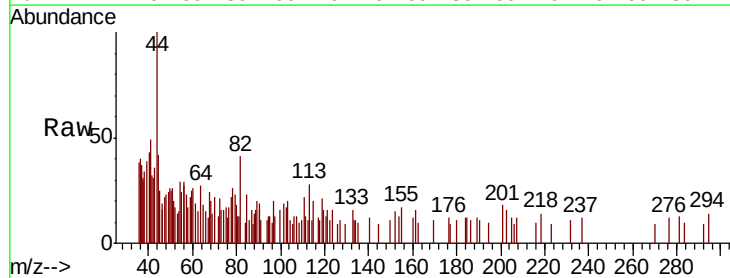
Tot Ion: 59 Resp: 413
 Ion Ratio Lower Upper
 59 100
 57 38.0 8.2 12.4#

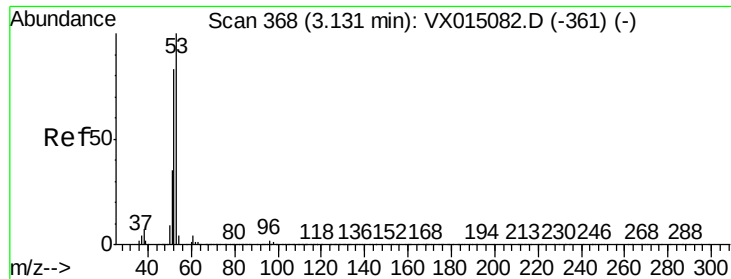


#13

Acrolein
 Concen: 0.656 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX015248.D
 Acq: 13 Mar 2020 10:49

Tgt Ion: 56 Resp: 369
 Ion Ratio Lower Upper
 56 100
 55 59.9 55.4 83.0





#15

Acrylonitrile

Concen: 0.302 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampled :

EB02-20200307

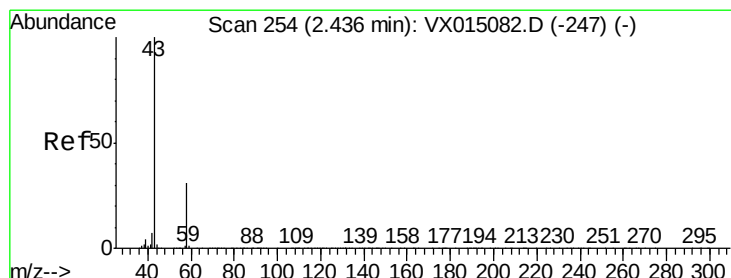
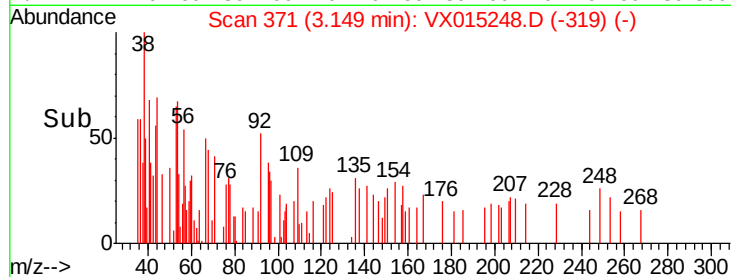
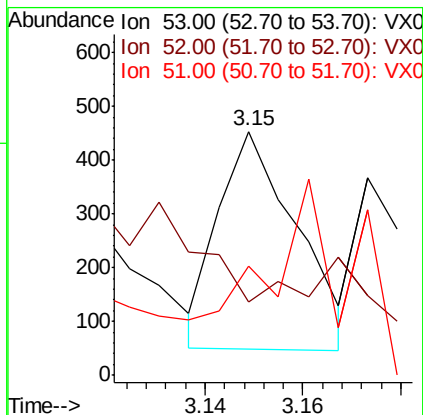
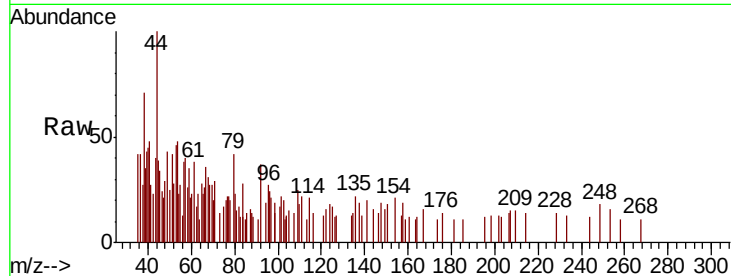
Tot Ion: 53 Resp: 450

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 100.0 29.0 43.6#



#16

Acetone

Concen: 3.234 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015248.D

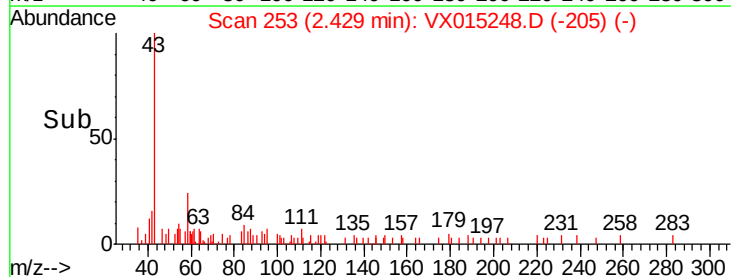
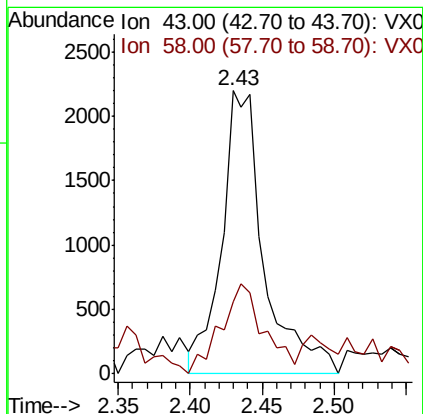
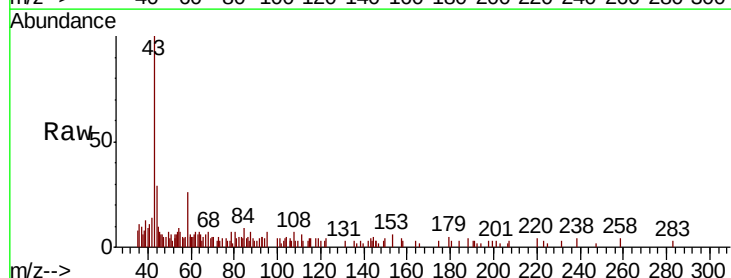
Acq: 13 Mar 2020 10:49

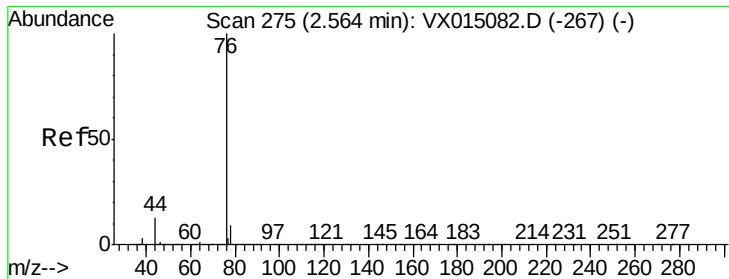
Tgt Ion: 43 Resp: 4516

Ion Ratio Lower Upper

43 100

58 25.5 24.8 37.2





#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

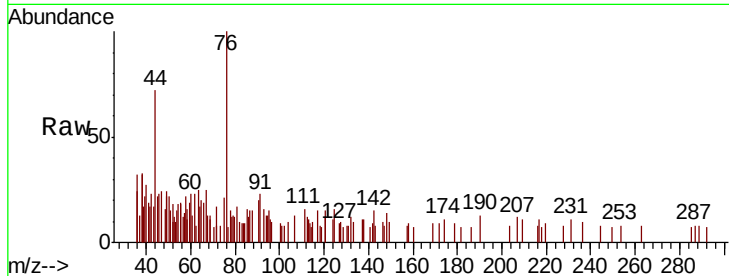
EB02-20200307

Tot Ion: 76 Resp: 1667

Ion Ratio Lower Upper

76 100

78 21.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

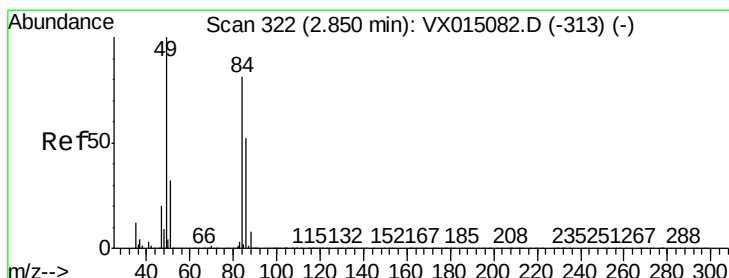
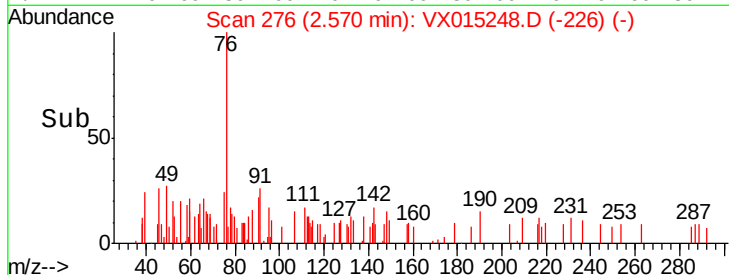
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 2.205 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Tgt Ion: 84 Resp: 7206

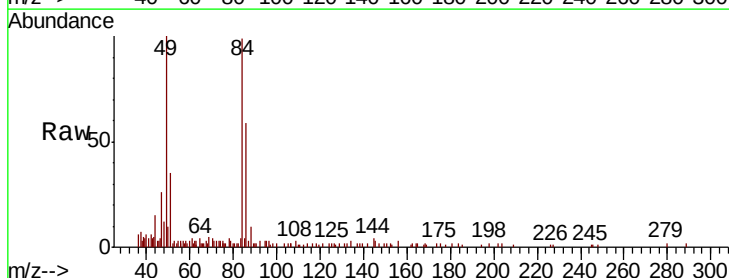
Ion Ratio Lower Upper

84 100

49 98.8 99.4 149.2#

51 33.8 31.5 47.3

86 57.1 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

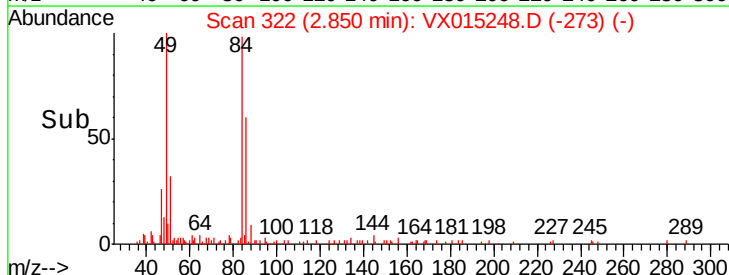
6000

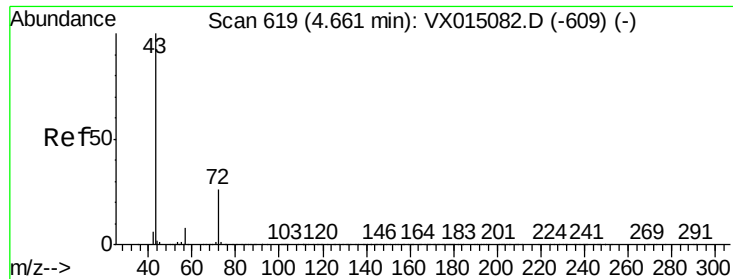
4000

2000

0

Time-->

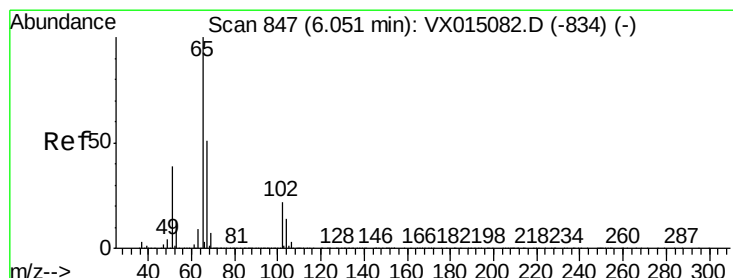
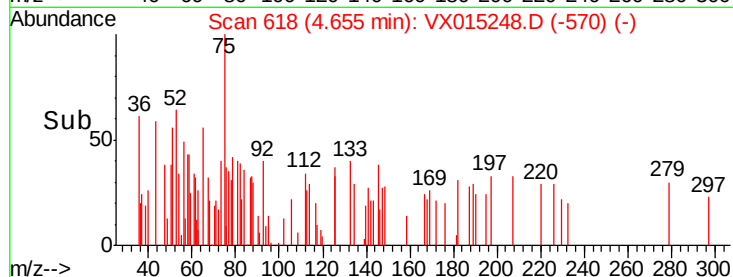
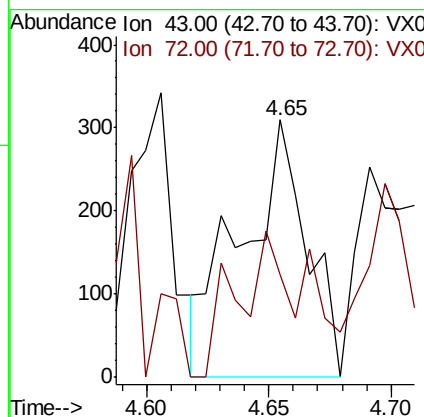
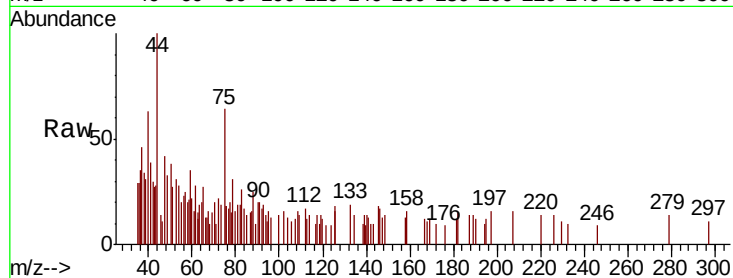




#25
2-Butanone
Concen: 0.282 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

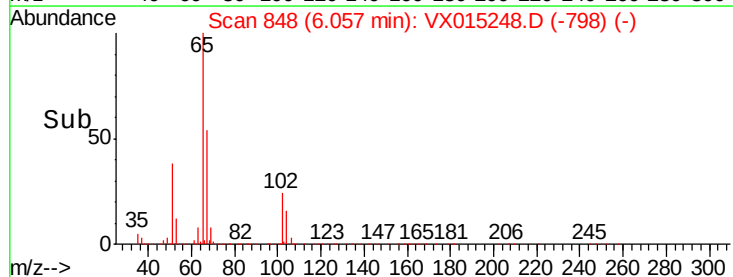
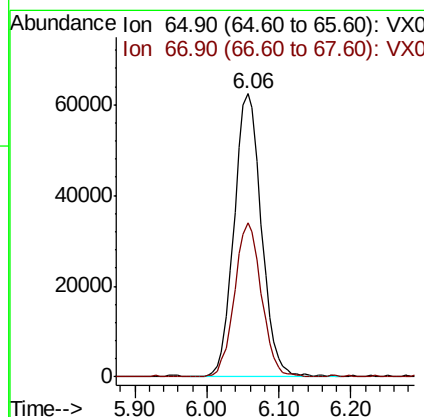
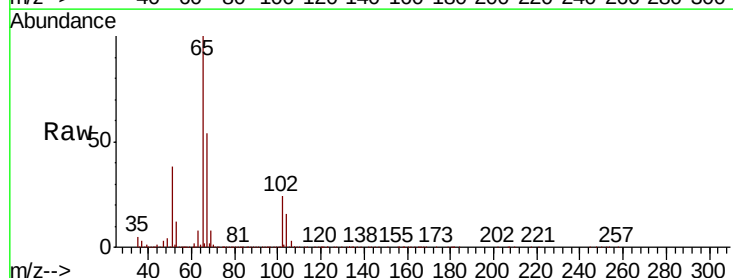
Instrument :
MSVOA_X
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EB02-20200307

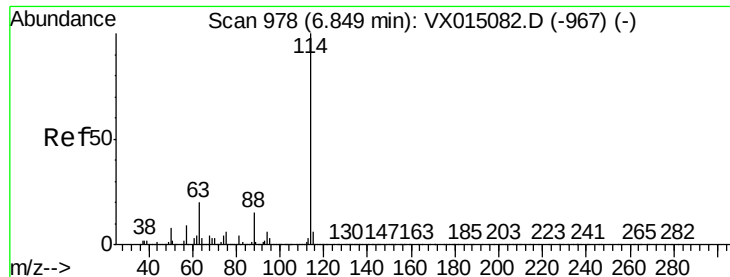
Tot Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
72 39.8 20.6 30.8#



#33
1,2-Dichloroethane-d4
Concen: 47.723 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

Tgt Ion: 65 Resp: 164549
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6

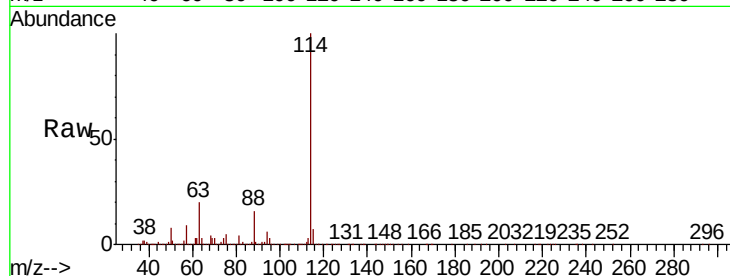




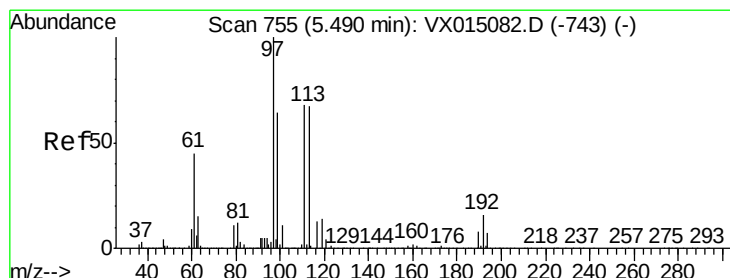
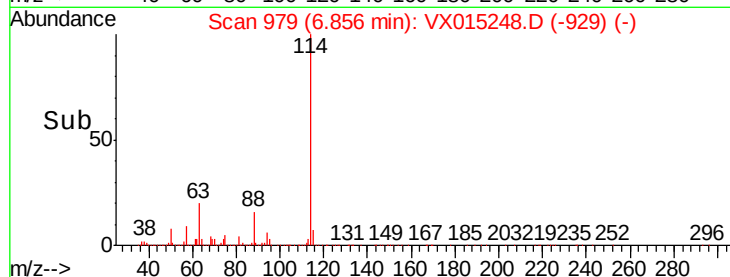
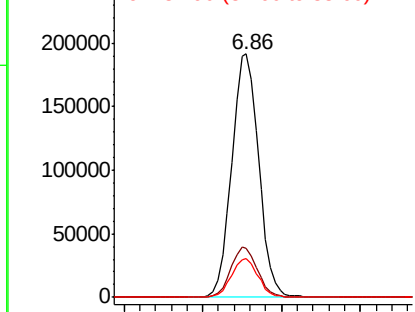
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 979
Delta R.T. 0.01 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

Instrument :
MSVOA_X
ClientSampleId :
EB02-20200307

Tot Ion:114 Resp: 455962
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 16.1 0.0 30.6

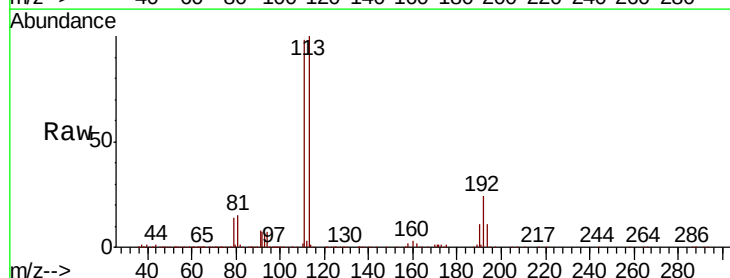


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

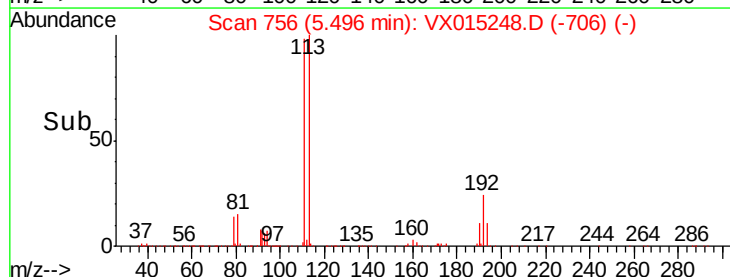
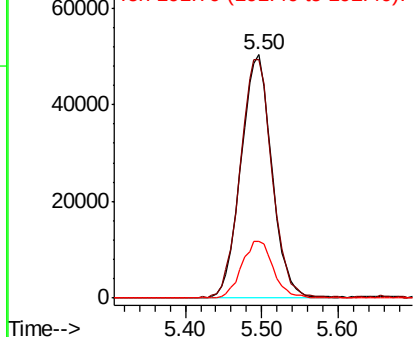


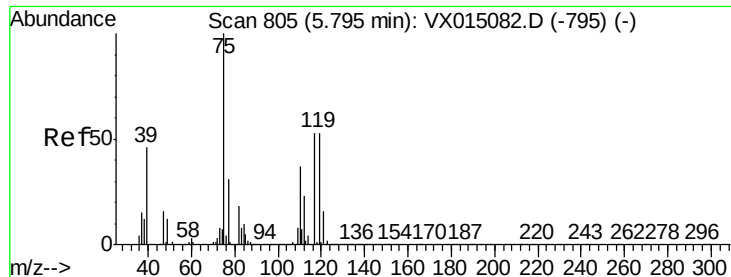
#35
Dibromofluoromethane
Concen: 49.255 ug/l
RT: 5.50 min Scan# 756
Delta R.T. 0.01 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

Tgt Ion:113 Resp: 141684
Ion Ratio Lower Upper
113 100
111 100.6 82.6 123.8
192 23.9 18.6 28.0



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: 4.624 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

EB02-20200307

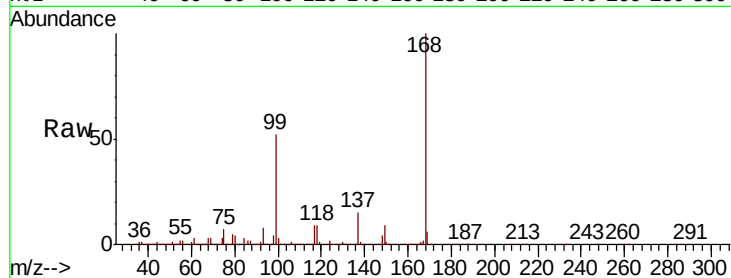
Tot Ion: 75 Resp: 19489

Ion Ratio Lower Upper

75 100

110 10.8 17.9 53.8#

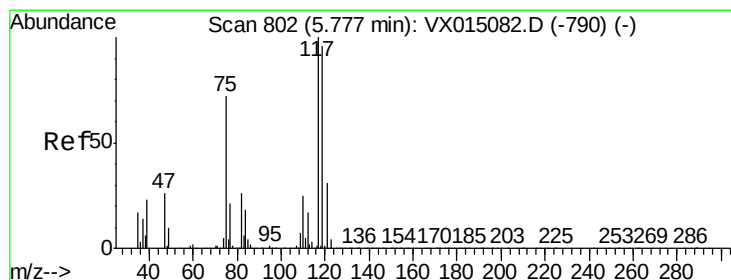
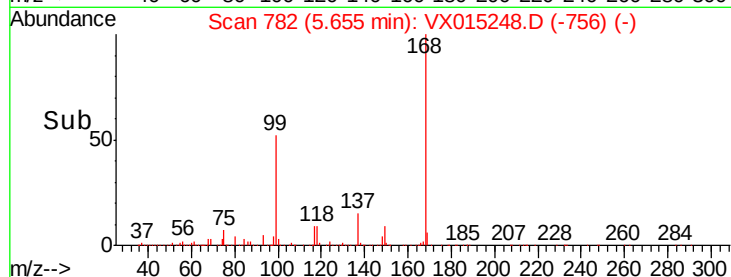
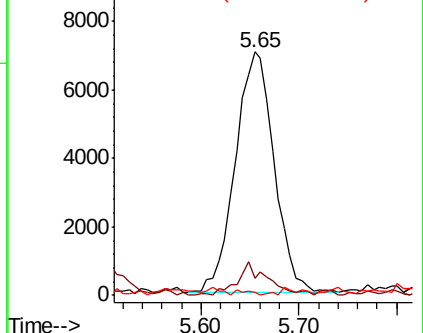
77 0.8 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.203 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

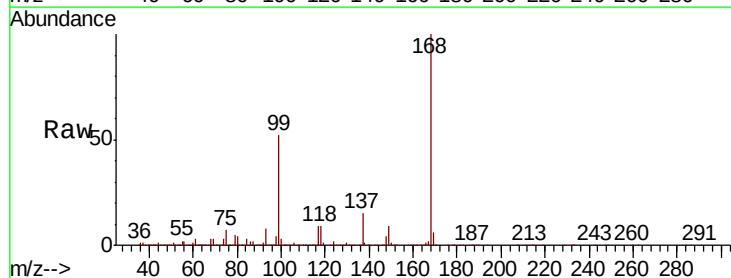
Tgt Ion: 117 Resp: 24680

Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

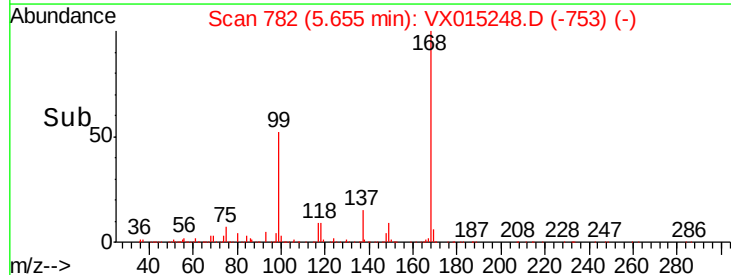
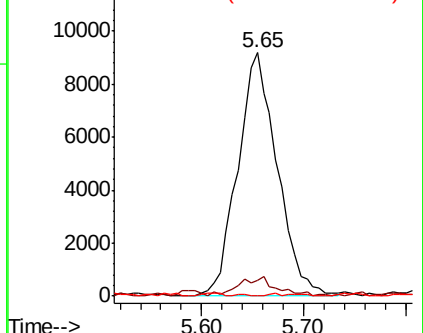
121 0.0 24.6 37.0#

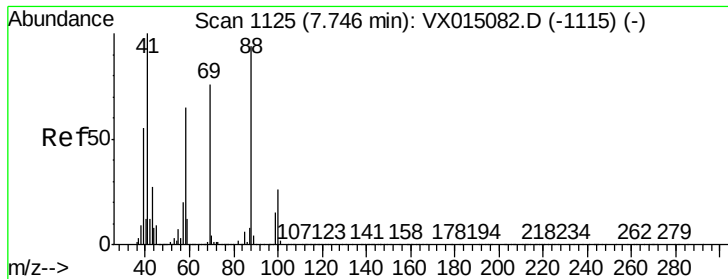


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

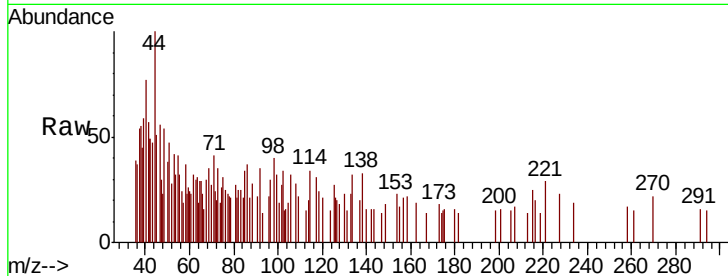




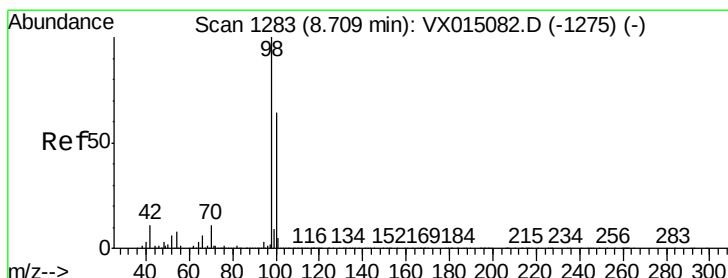
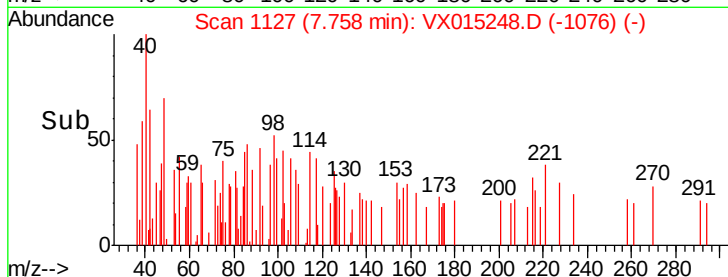
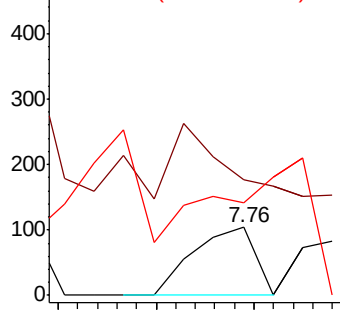
#49
1,4-Dioxane
Concen: 1.189 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

Instrument :
MSVOA_X
ClientSampleId :
EB02-20200307

Tot Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 277.8 55.6 83.4#

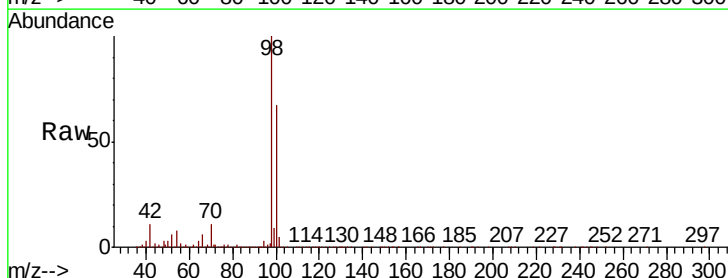


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

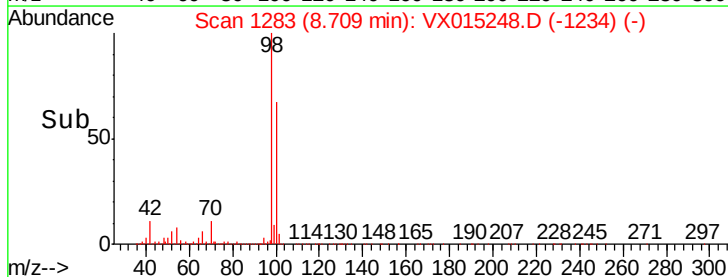
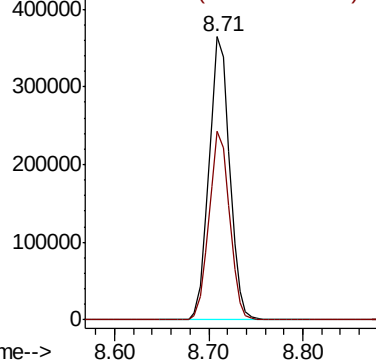


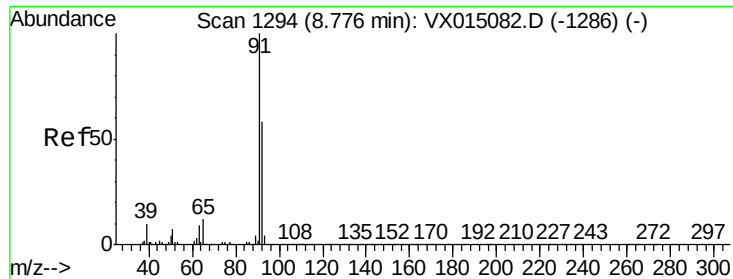
#50
Toluene-d8
Concen: 50.745 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

Tgt Ion: 98 Resp: 555246
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 2.009 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

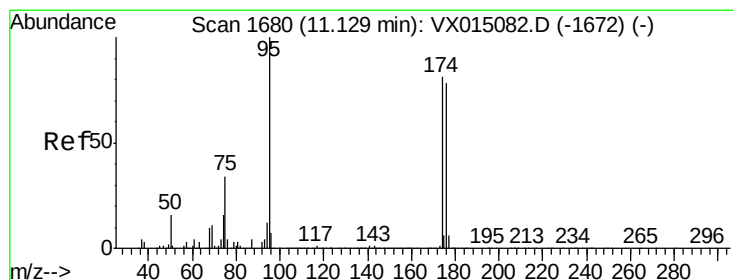
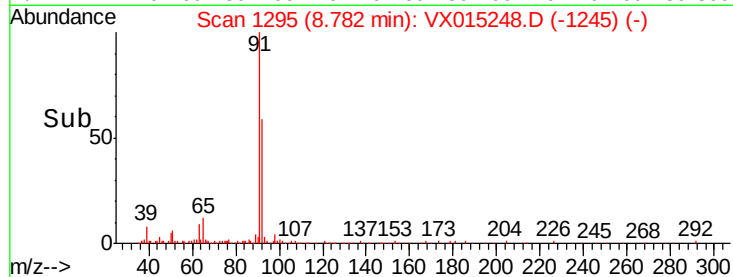
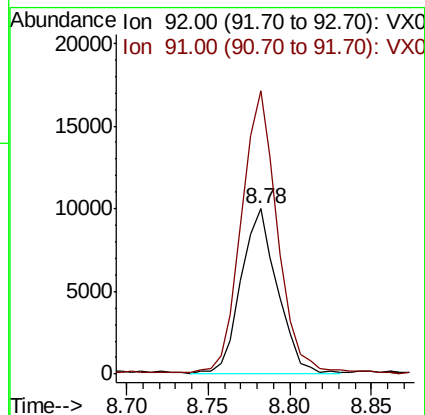
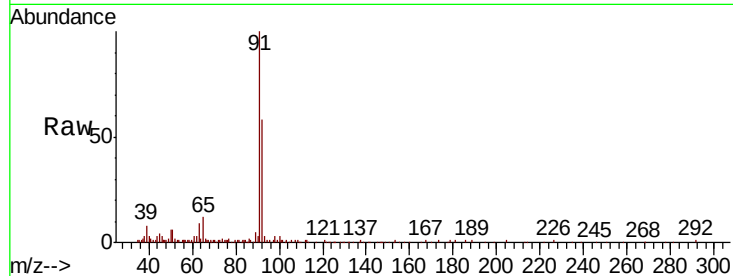
EB02-20200307

Tot Ion: 92 Resp: 15360

Ion Ratio Lower Upper

92 100

91 170.9 136.9 205.3



#62

4-Bromofluorobenzene

Concen: 51.486 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

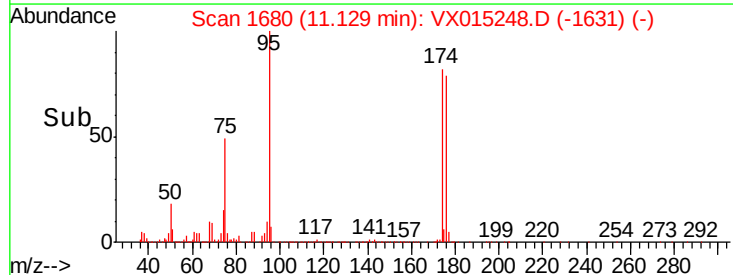
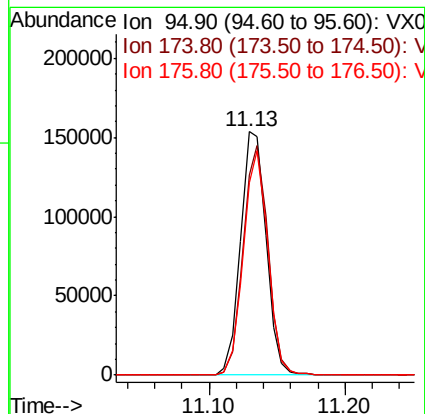
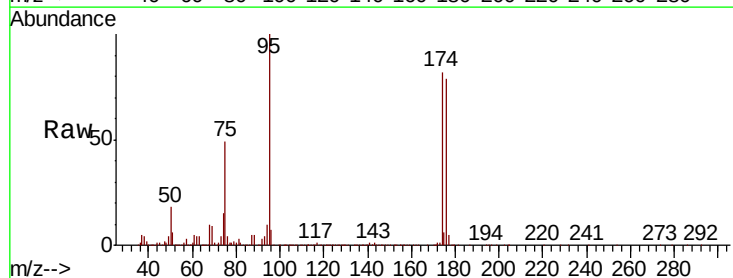
Tgt Ion: 95 Resp: 200942

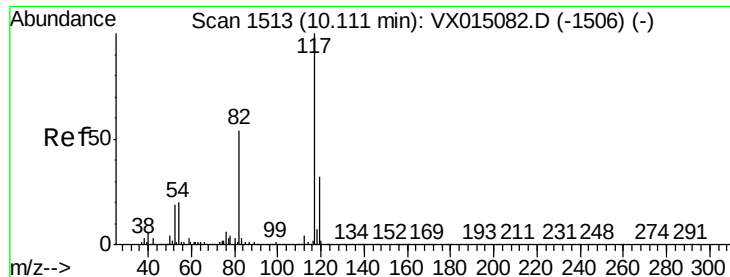
Ion Ratio Lower Upper

95 100

174 91.9 0.0 177.6

176 89.0 0.0 170.2

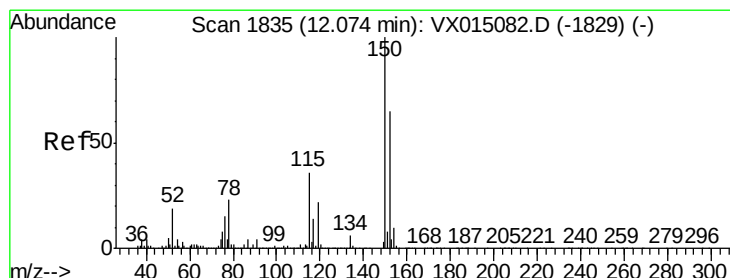
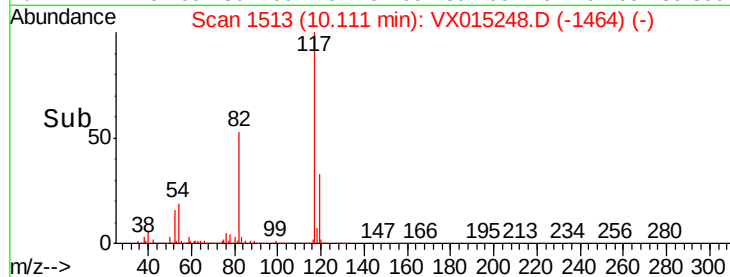
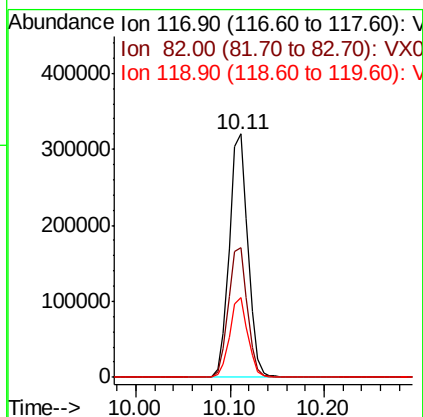
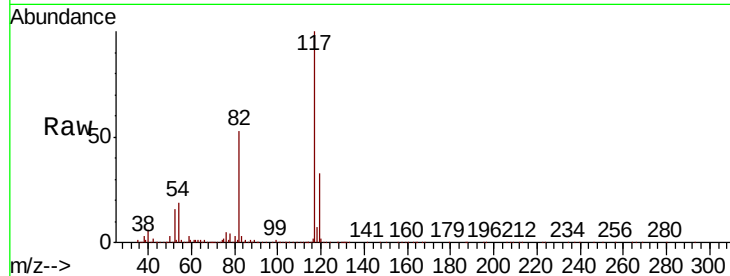




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

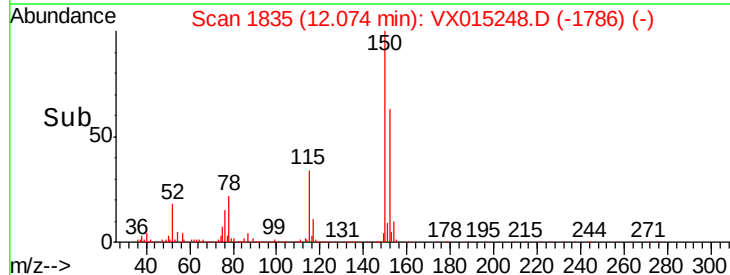
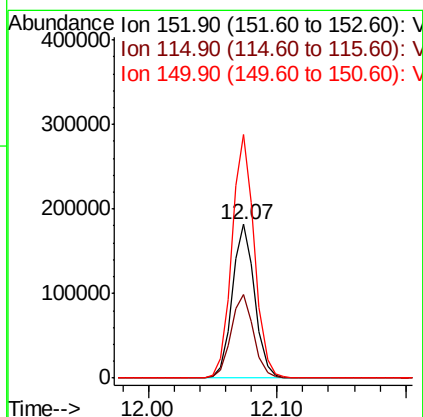
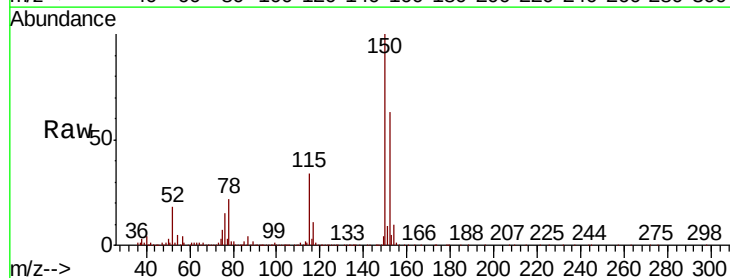
Instrument :
MSVOA_X
ClientSampleId :
EB02-20200307

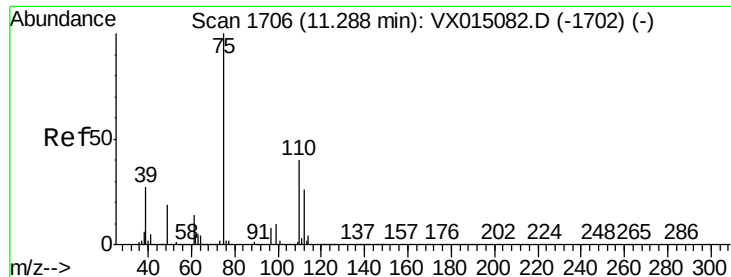
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	43.3	64.9
119	32.9	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015248.D
Acq: 13 Mar 2020 10:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.2	114.6
150	158.8	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.301 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

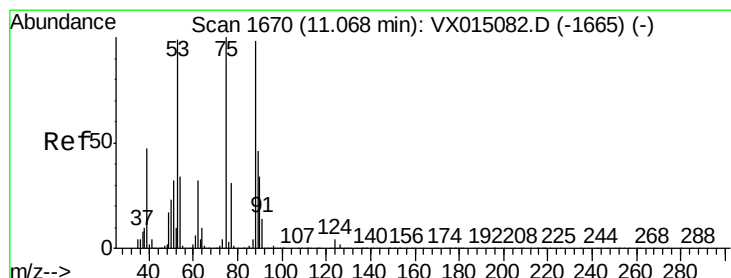
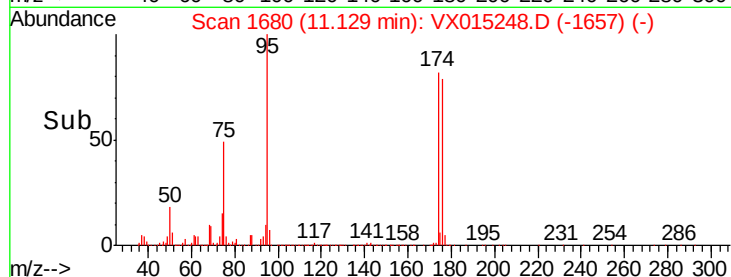
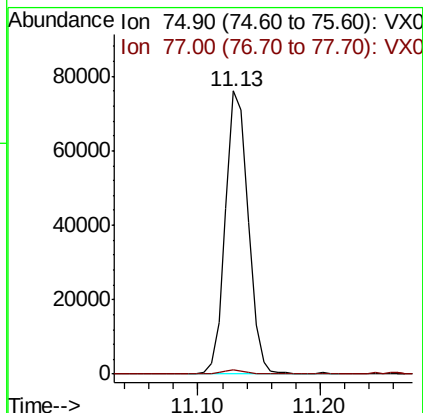
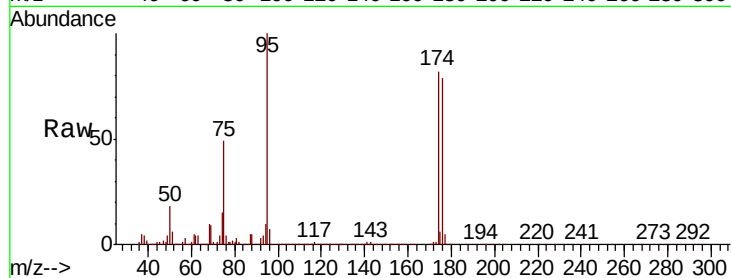
EB02-20200307

Tot Ion: 75 Resp: 97709

Ion Ratio Lower Upper

75 100

77 1.8 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.291 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

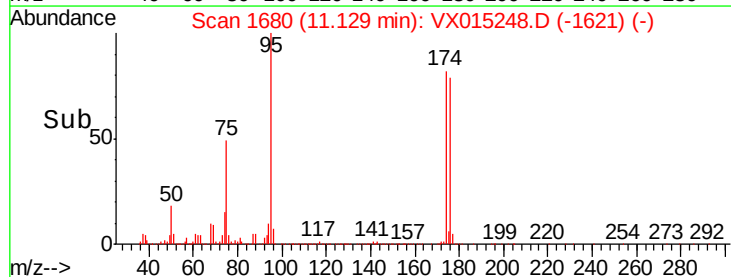
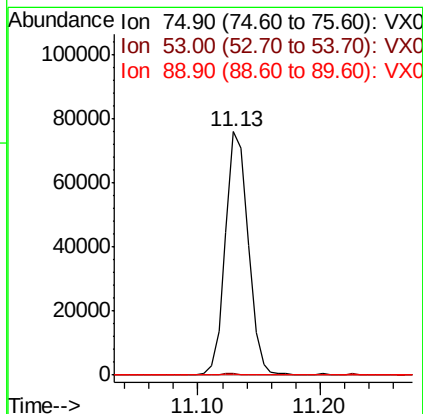
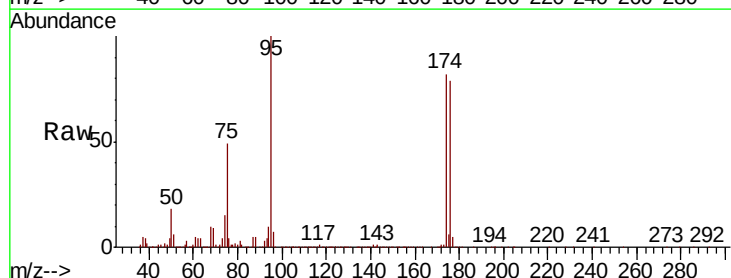
Tgt Ion: 75 Resp: 97709

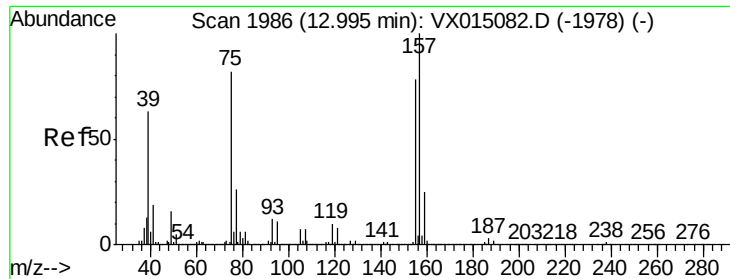
Ion Ratio Lower Upper

75 100

53 0.5 77.9 116.9#

89 0.0 36.2 54.2#

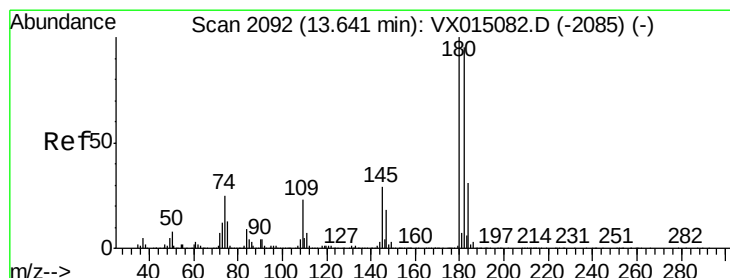
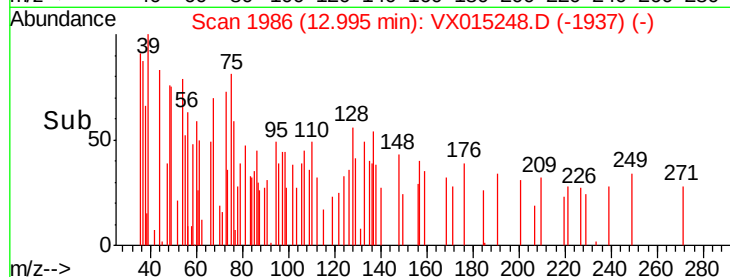
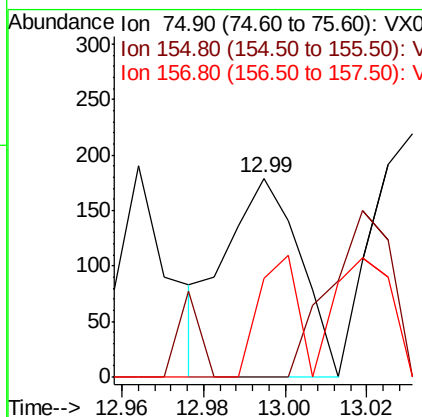
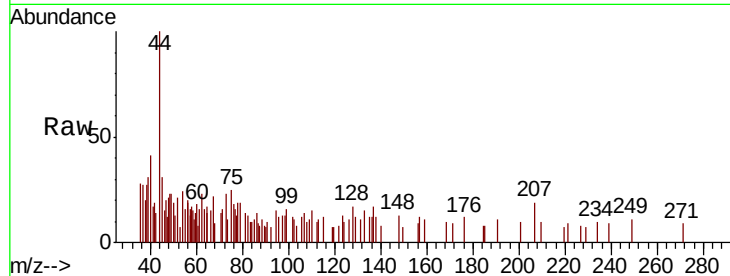




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.243 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX015248.D
 Acq: 13 Mar 2020 10:49

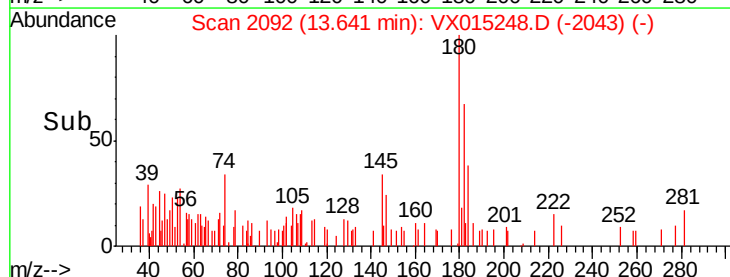
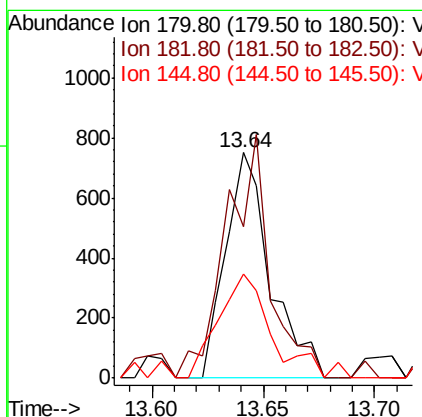
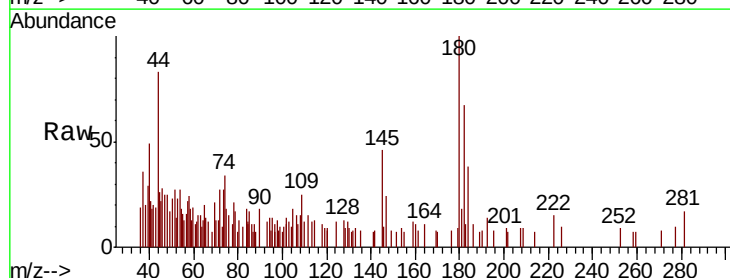
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20200307

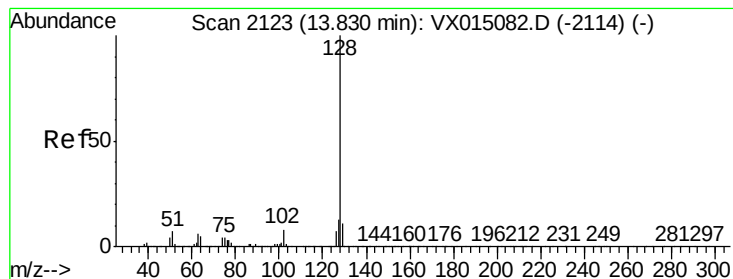
Tot Ion: 75 Resp: 228
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.6 139.7#
 157 32.0 59.2 177.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015248.D
 Acq: 13 Mar 2020 10:49

Tgt Ion: 180 Resp: 1052
 Ion Ratio Lower Upper
 180 100
 182 105.8 47.6 142.8
 145 55.3 14.1 42.2#





#95

Napthalene

Concen: 1.492 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX015248.D

Acq: 13 Mar 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

EB02-20200307

Tot Ion:128 Resp: 1085

Ion Ratio Lower Upper

128 100

127 7.7 10.3 15.5#

129 27.2 8.6 13.0#

