

Data File : VX015226.D
Acq On : 12 Mar 2020 10:47
Operator : JC/SP
Sample : L1853-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CB-EC-52-S

Quant Time: Mar 13 02:16:44 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	5.65	168	289219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	472954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	423723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	217924	50.00	ug/l	0.00

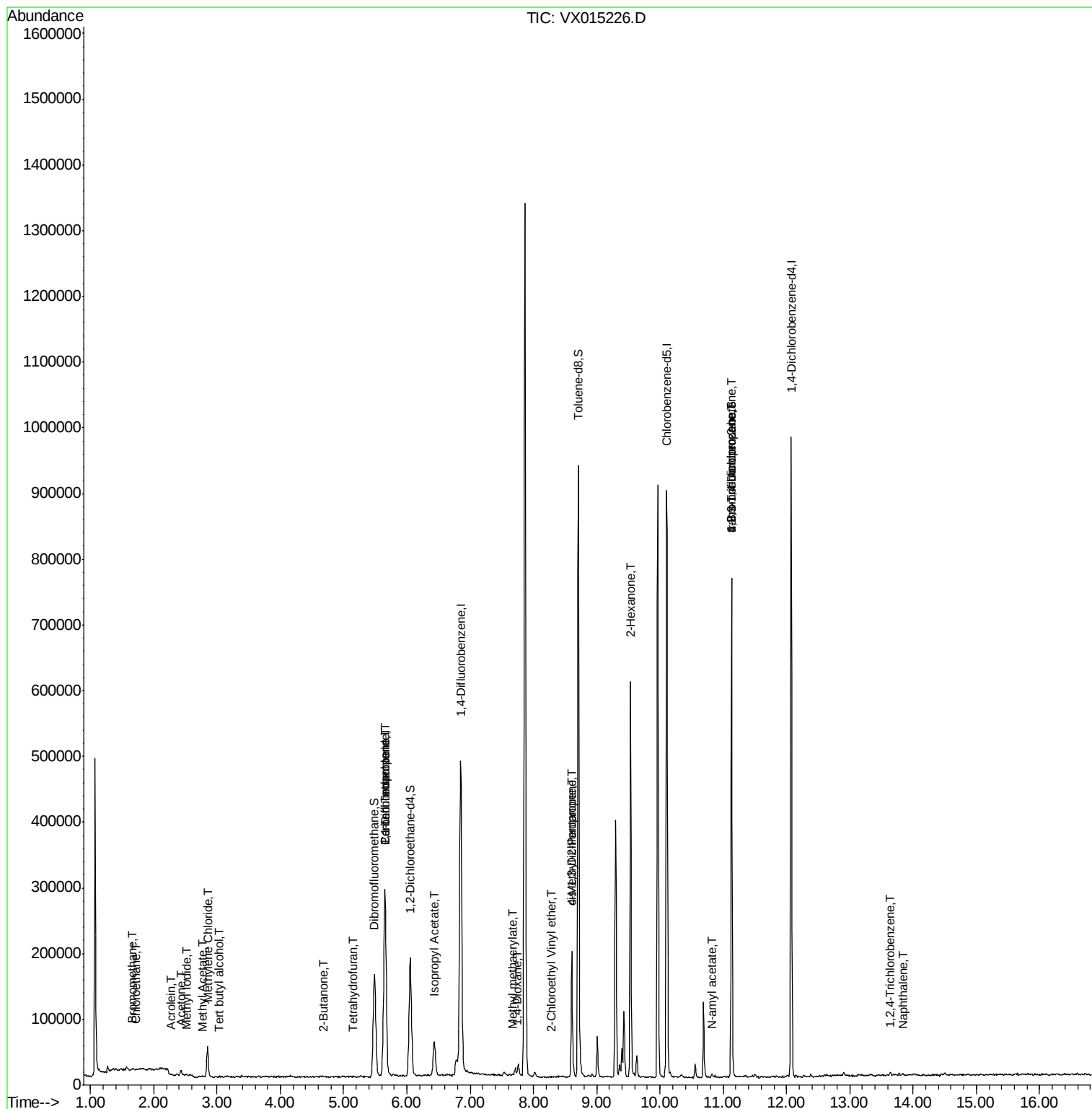
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	163209	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
35) Dibromofluoromethane	5.49	113	133994	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
50) Toluene-d8	8.71	98	543109	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	201101	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	

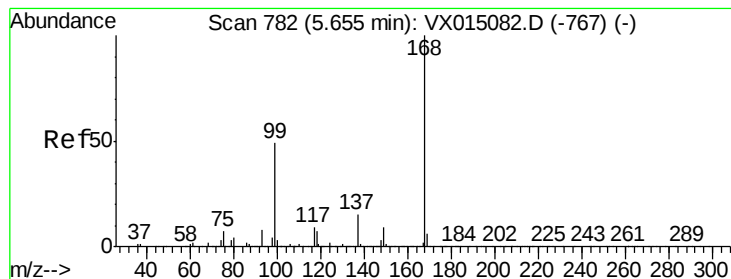
Target Compounds						Qvalue
5) Bromomethane	1.66	94	1207	0.540	ug/l #	49
6) Chloroethane	1.72	64	526	0.241	ug/l #	82
10) Methyl Iodide	2.52	142	1179	0.383	ug/l #	58
11) Tert butyl alcohol	3.03	59	273	0.459	ug/l #	1
13) Acrolein	2.28	56	115	0.206	ug/l #	1
16) Acetone	2.43	43	9373	6.745	ug/l	95
18) Methyl Acetate	2.76	43	3288	0.968	ug/l	99
20) Methylene Chloride	2.85	84	21921	6.741	ug/l	98
25) 2-Butanone	4.67	43	2549	1.253	ug/l #	84
29) Tetrahydrofuran	5.14	42	263	0.201	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	20139	4.606	ug/l #	51
38) Carbon Tetrachloride	5.65	117	25319	6.135	ug/l #	16
43) Isopropyl Acetate	6.44	43	72483	10.159	ug/l	99
48) Methyl methacrylate	7.67	41	3911	1.077	ug/l #	18
49) 1,4-Dioxane	7.74	88	130	1.656	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	64771	15.354	ug/l #	47
54) cis-1,3-Dichloropropene	8.61	75	30886	5.933	ug/l #	56
58) 2-Chloroethyl Vinyl ether	8.29	63	514	0.203	ug/l	98
59) 2-Hexanone	9.53	43	70546	22.562	ug/l #	51
74) N-amyl acetate	10.82	43	2833	0.483	ug/l #	61
76) 1,2,3-Trichloropropane	11.13	75	96999	22.314	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	96999	63.328	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.63	180	1029	0.219	ug/l	80
95) Naphthalene	13.83	128	1544	1.524	ug/l #	59

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

ALS Vial : 6 Sample Multiplier: 1

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampled :

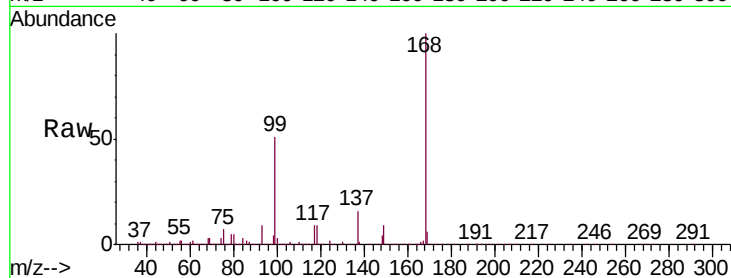
CB-EC-52-S

Tgt Ion:168 Resp: 289219

Ion Ratio Lower Upper

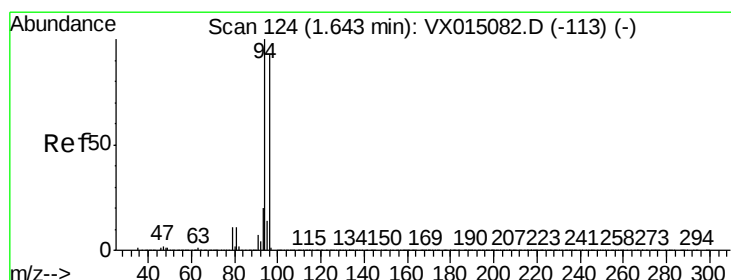
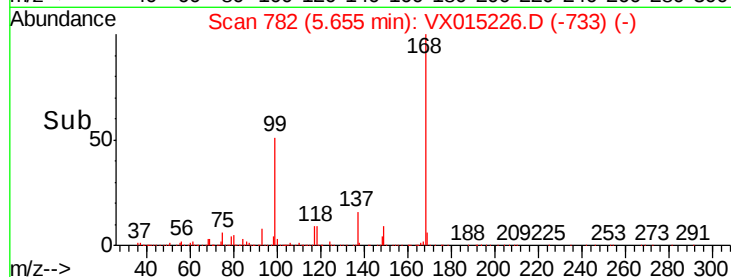
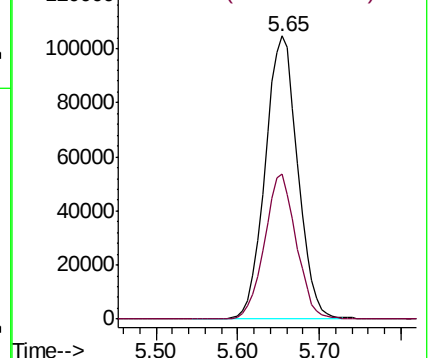
168 100

99 51.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.540 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015226.D

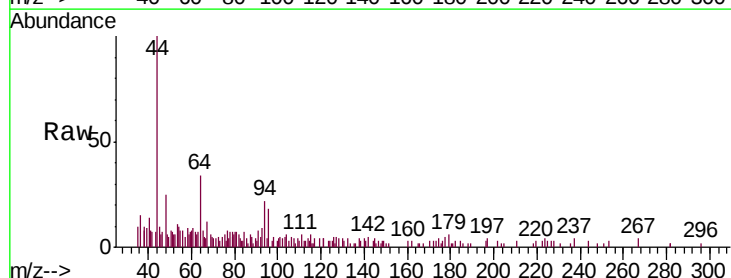
Acq: 12 Mar 2020 10:47

Tgt Ion: 94 Resp: 1207

Ion Ratio Lower Upper

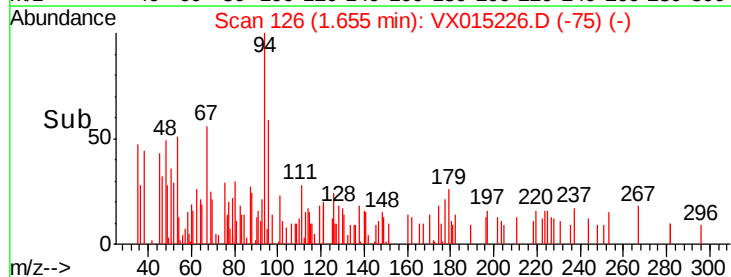
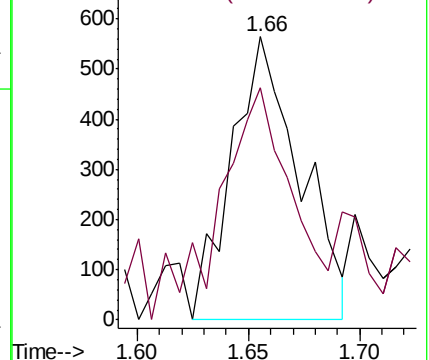
94 100

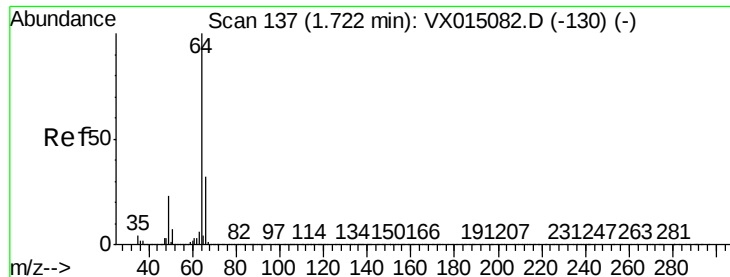
96 44.3 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.241 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampled :

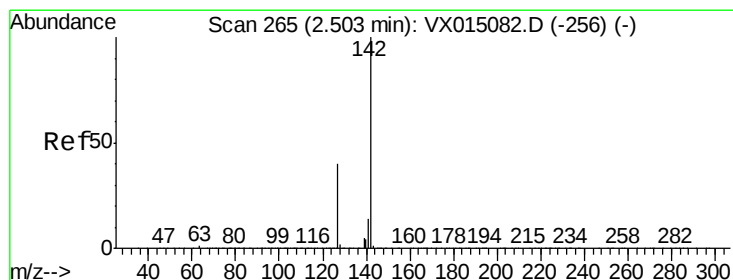
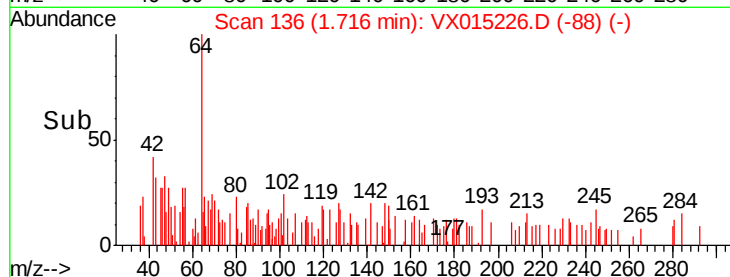
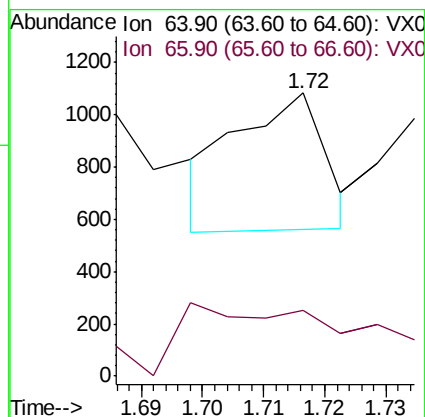
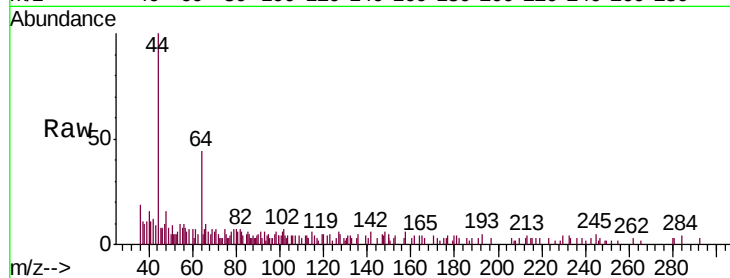
CB-EC-52-S

Tgt Ion: 64 Resp: 526

Ion Ratio Lower Upper

64 100

66 22.5 25.8 38.8#



#10

Methyl Iodide

Concen: 0.383 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

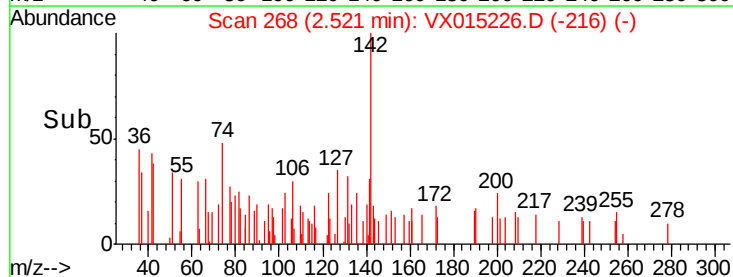
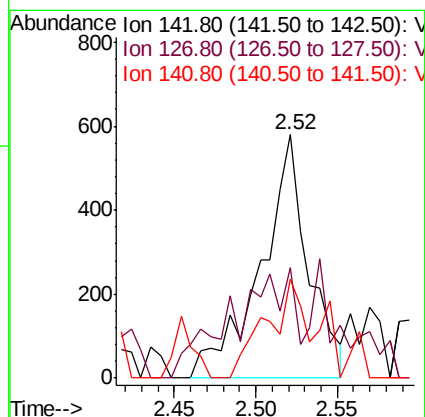
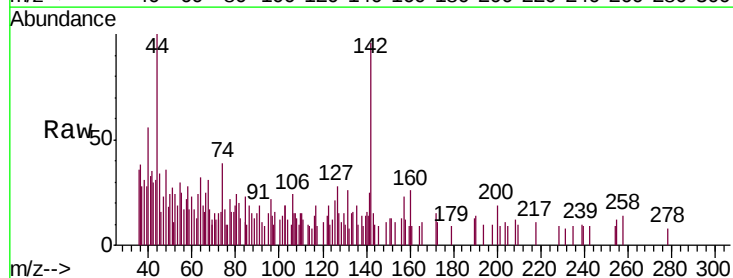
Tgt Ion: 142 Resp: 1179

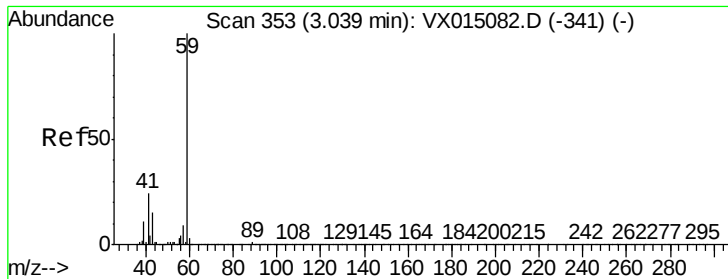
Ion Ratio Lower Upper

142 100

127 58.7 31.7 47.5#

141 43.3 11.3 16.9#

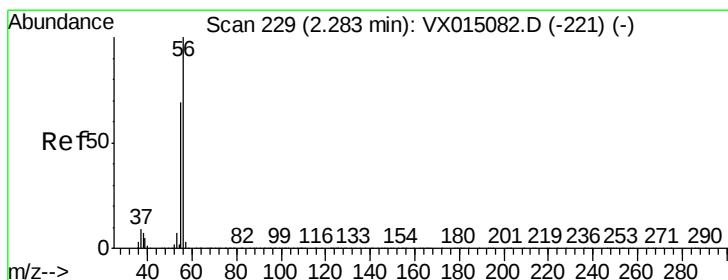
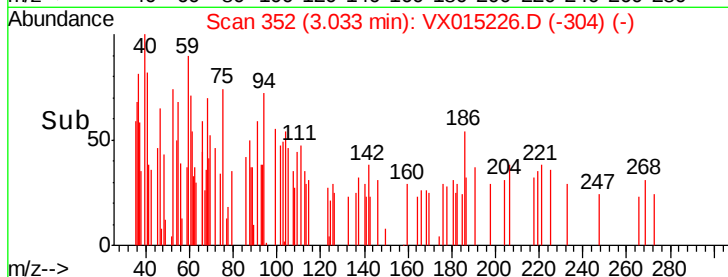
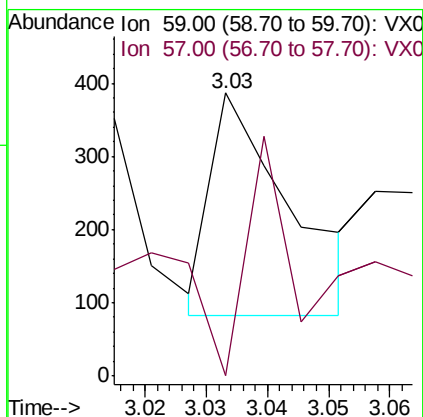
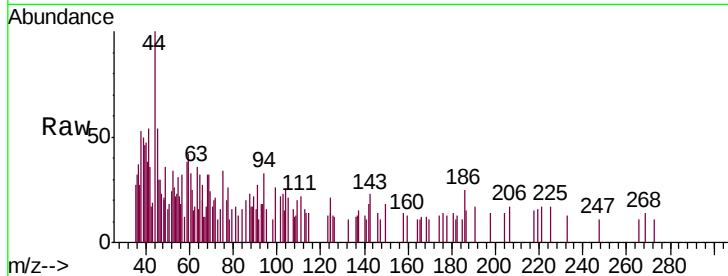




#11
Tert butyl alcohol
Concen: 0.459 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX015226.D
Acq: 12 Mar 2020 10:47

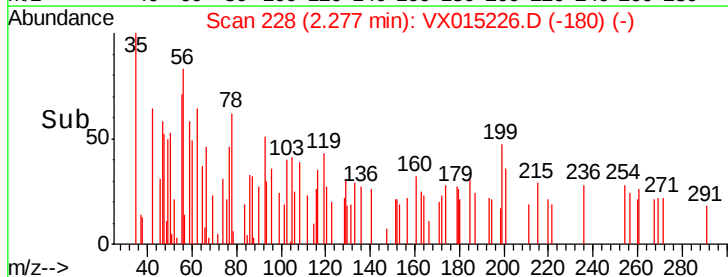
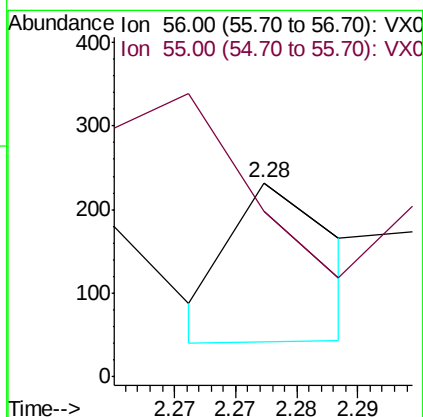
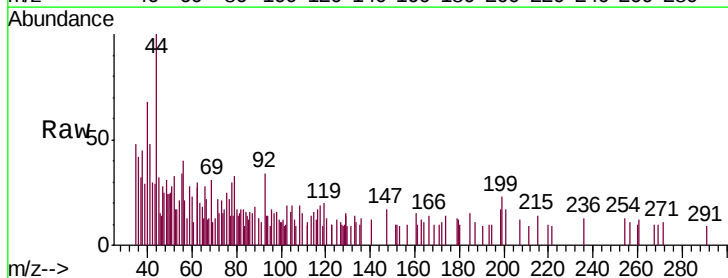
Instrument :
MSVOA_X
ClientSampled :
CB-EC-52-S

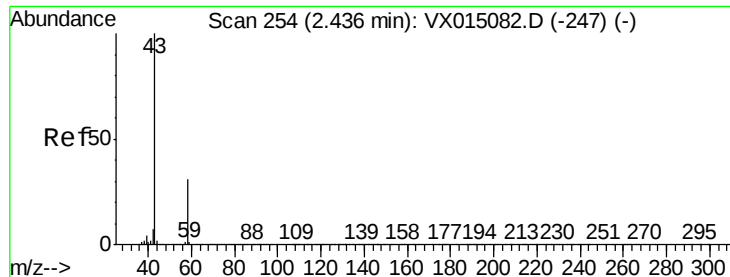
Tgt Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 71.8 8.2 12.4#



#13
Acrolein
Concen: 0.206 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX015226.D
Acq: 12 Mar 2020 10:47

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 302.6 55.4 83.0#





#16

Acetone

Concen: 6.745 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampled :

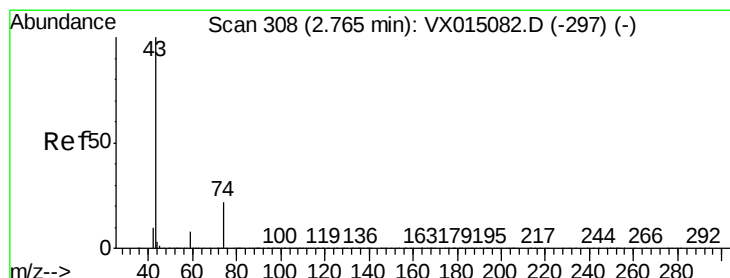
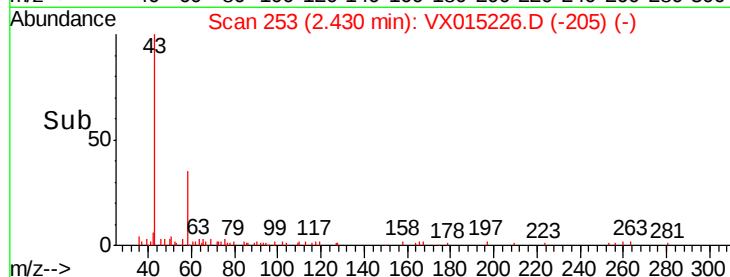
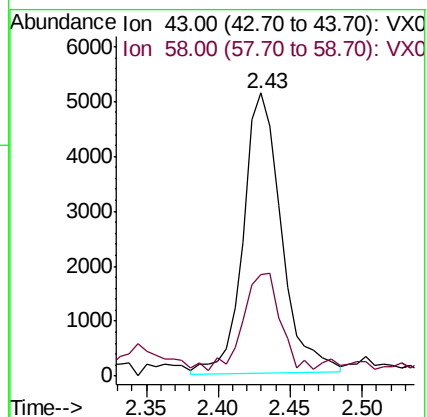
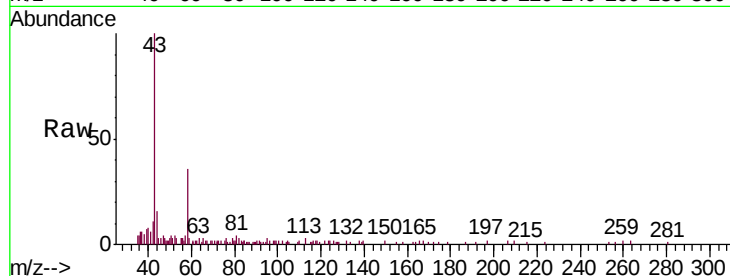
CB-EC-52-S

Tgt Ion: 43 Resp: 9373

Ion Ratio Lower Upper

43 100

58 34.0 24.8 37.2



#18

Methyl Acetate

Concen: 0.968 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX015226.D

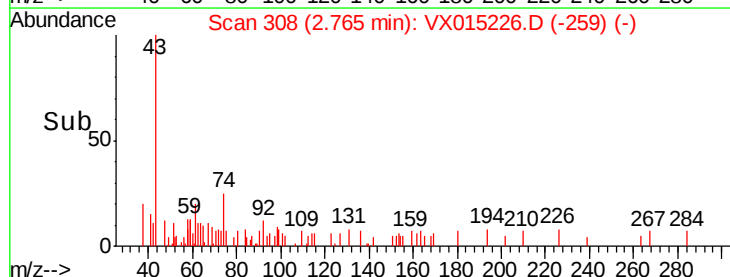
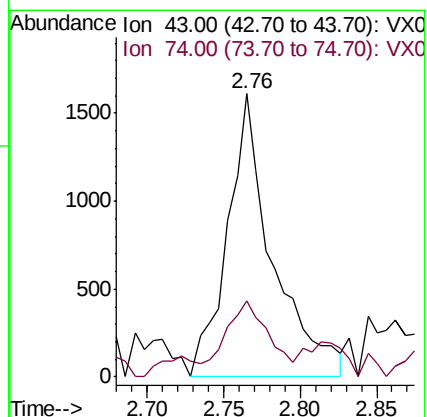
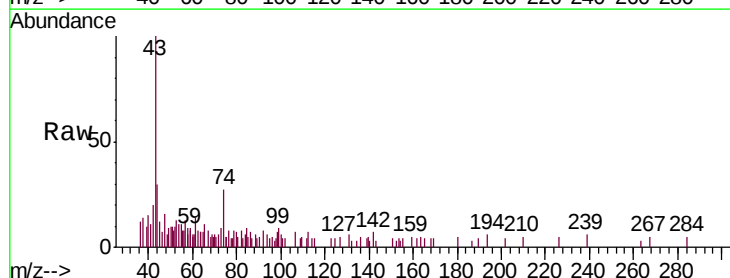
Acq: 12 Mar 2020 10:47

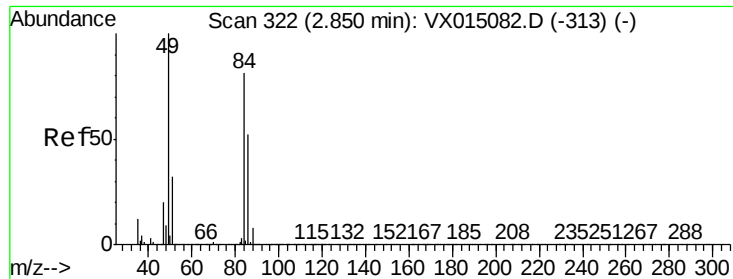
Tgt Ion: 43 Resp: 3288

Ion Ratio Lower Upper

43 100

74 22.8 18.8 28.2

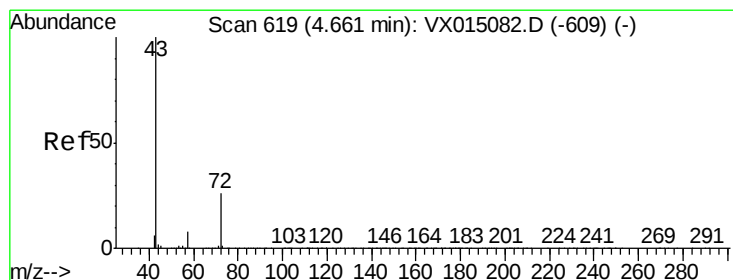
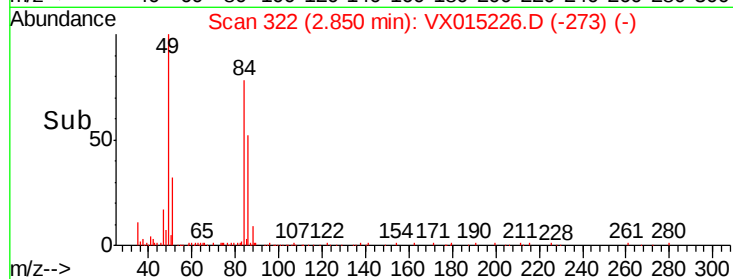
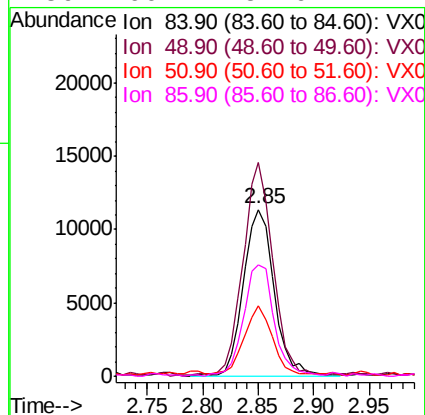
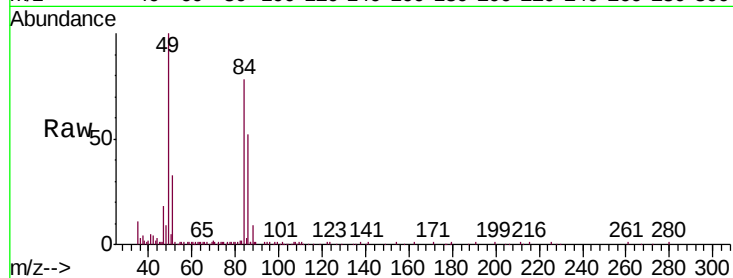




#20
Methylene Chloride
Concen: 6.741 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015226.D
Acq: 12 Mar 2020 10:47

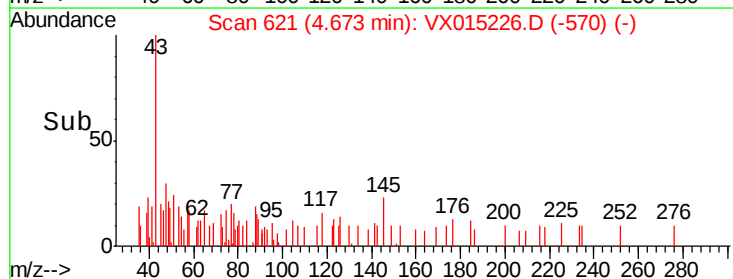
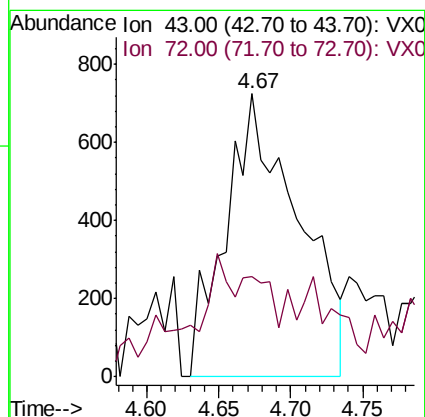
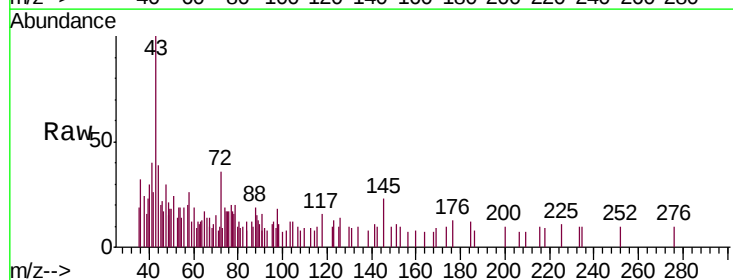
Instrument :
MSVOA_X
ClientSampleId :
CB-EC-52-S

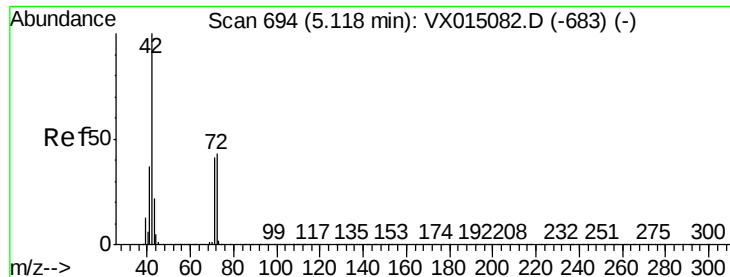
Tgt Ion:	84	Resp:	21921
Ion	Ratio	Lower	Upper
84	100		
49	126.9	99.4	149.2
51	40.9	31.5	47.3
86	66.2	51.6	77.4



#25
2-Butanone
Concen: 1.253 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX015226.D
Acq: 12 Mar 2020 10:47

Tgt Ion:	43	Resp:	2549
Ion	Ratio	Lower	Upper
43	100		
72	17.5	20.6	30.8#





#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.02 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampled :

CB-EC-52-S

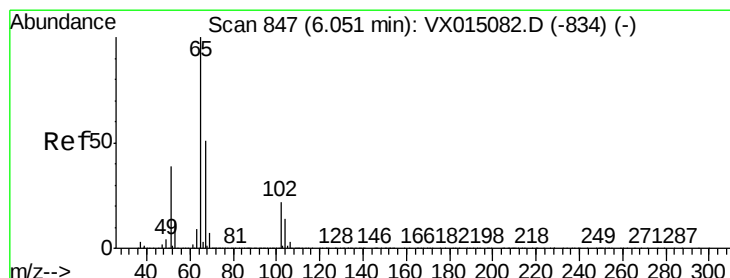
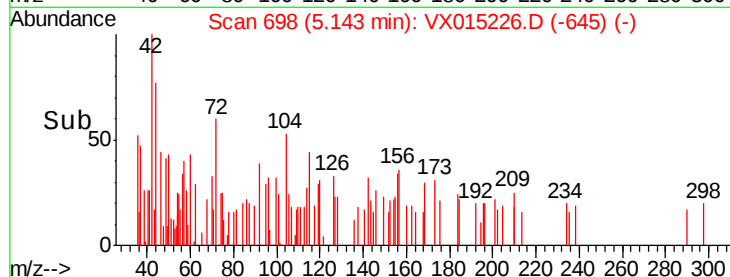
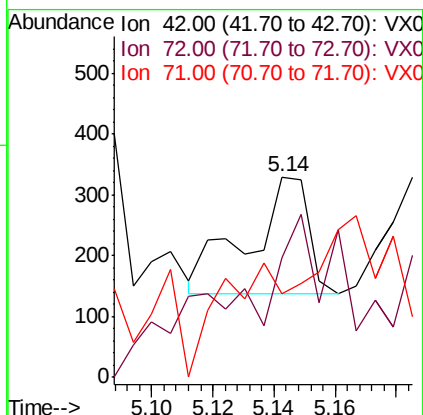
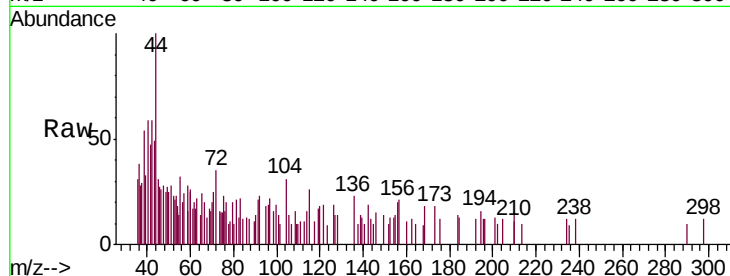
Tgt Ion: 42 Resp: 263

Ion Ratio Lower Upper

42 100

72 154.8 36.4 54.6#

71 101.1 33.3 49.9#



#33

1,2-Dichloroethane-d4

Concen: 47.566 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015226.D

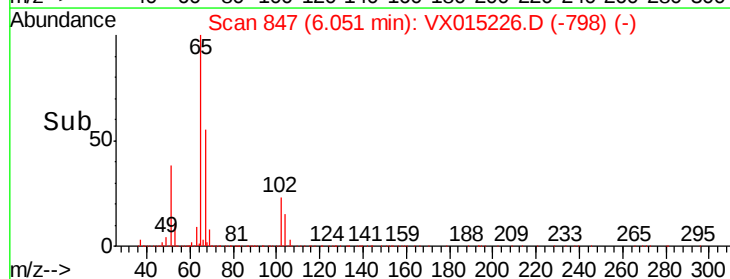
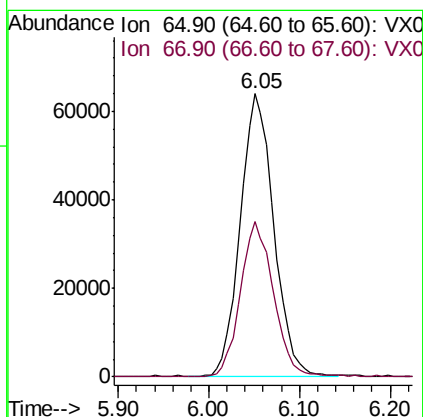
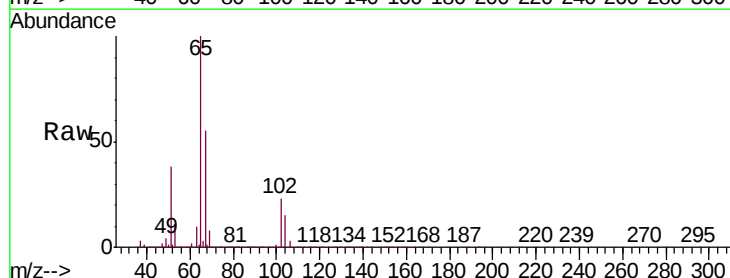
Acq: 12 Mar 2020 10:47

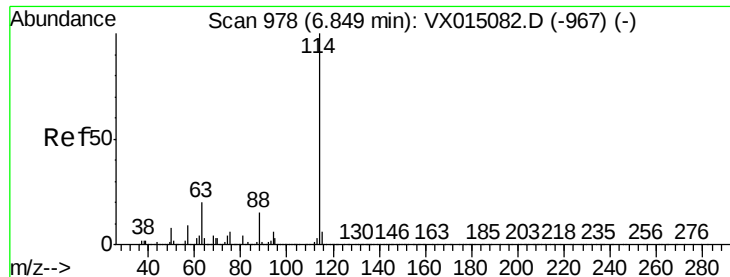
Tgt Ion: 65 Resp: 163209

Ion Ratio Lower Upper

65 100

67 54.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampleId :

CB-EC-52-S

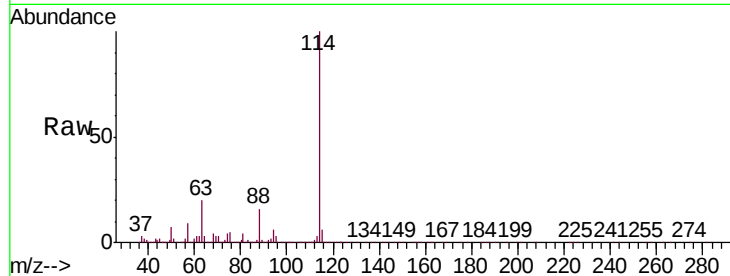
Tgt Ion:114 Resp: 472954

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

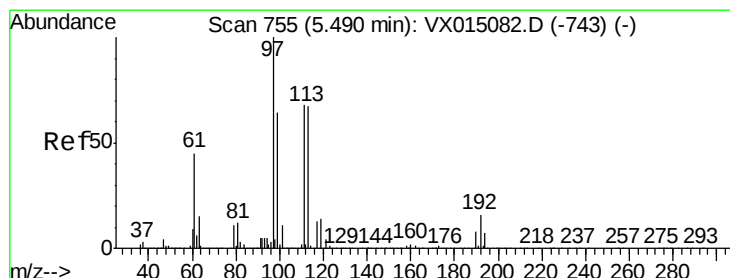
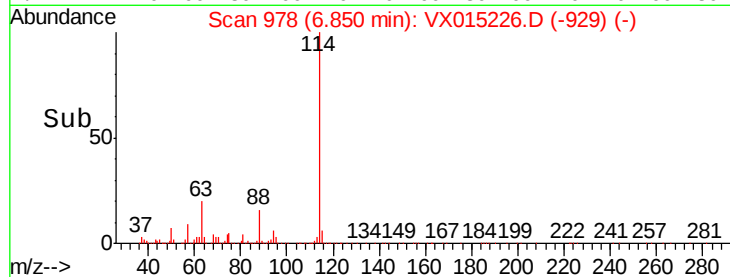
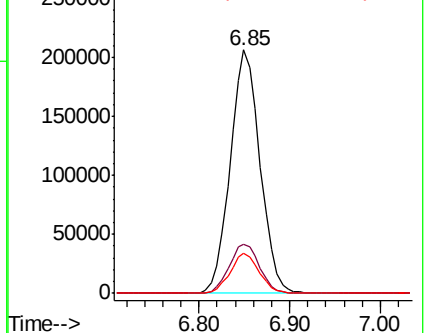
88 16.3 0.0 30.6



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: 44.908 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

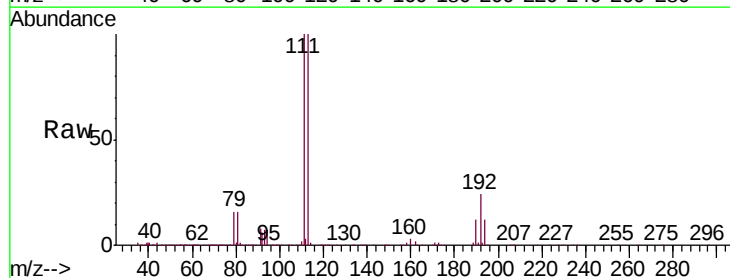
Tgt Ion:113 Resp: 133994

Ion Ratio Lower Upper

113 100

111 104.2 82.6 123.8

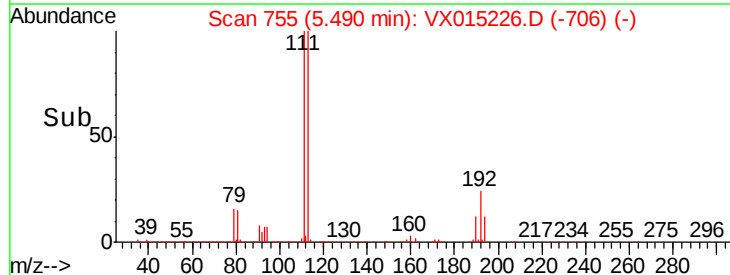
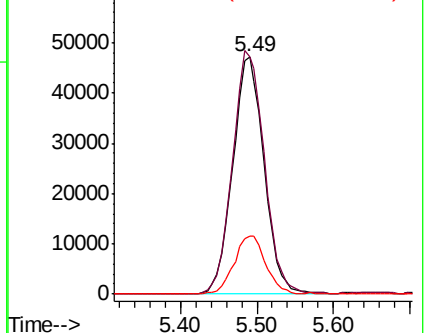
192 25.0 18.6 28.0

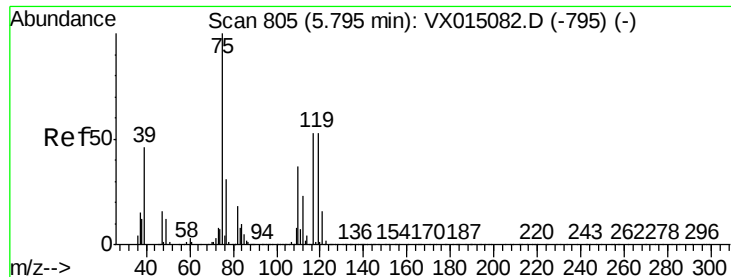


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

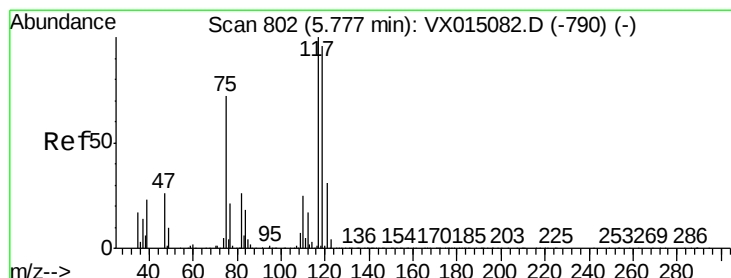
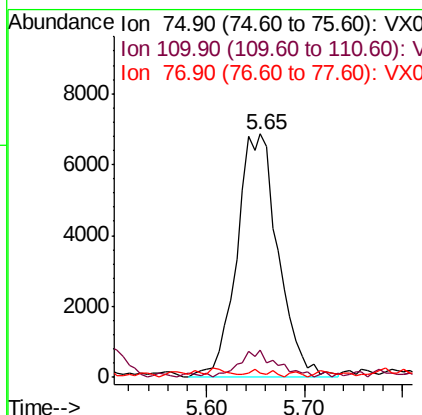
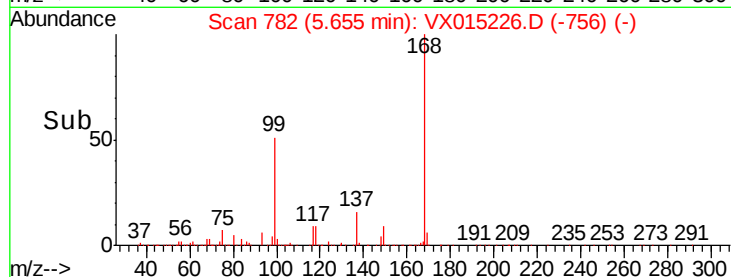
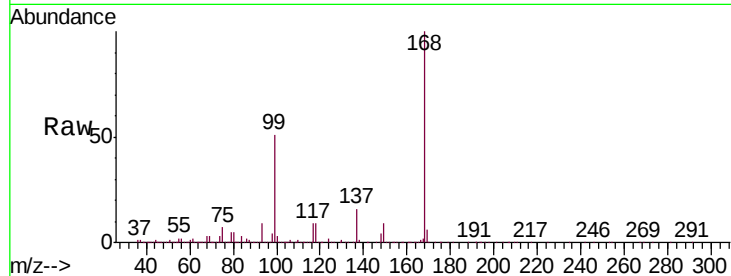




#36
 1,1-Dichloropropene
 Concen: 4.606 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

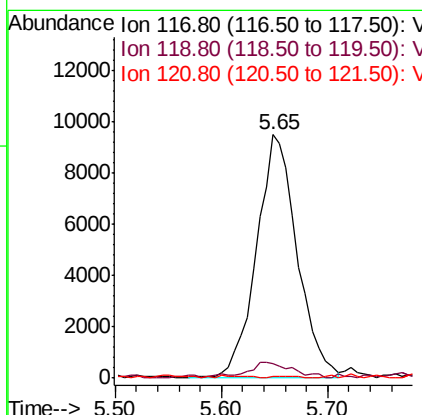
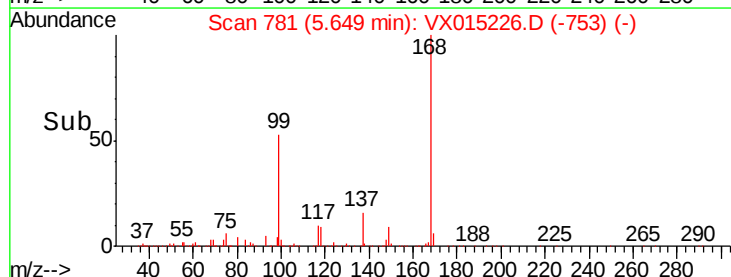
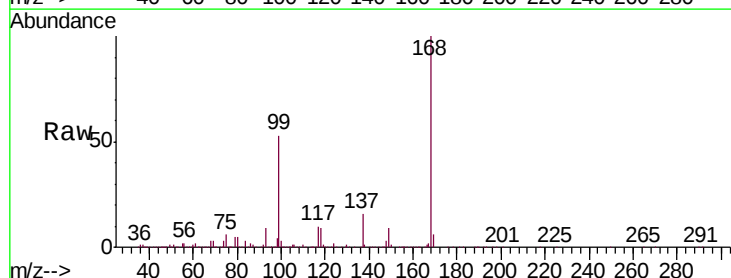
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-EC-52-S

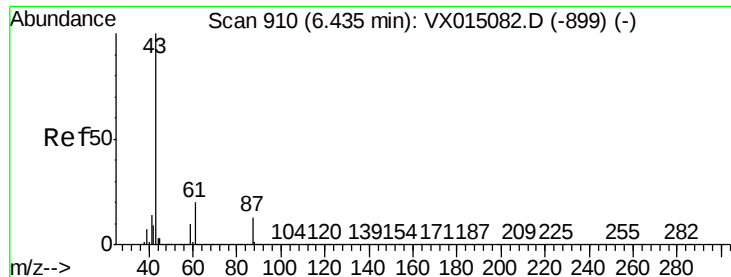
Tgt Ion: 75 Resp: 20139
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.9 53.8#
 77 1.1 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.135 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

Tgt Ion: 117 Resp: 25319
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.9 115.3#
 121 0.6 24.6 37.0#



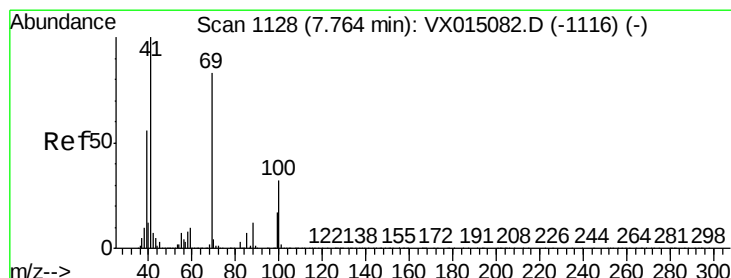
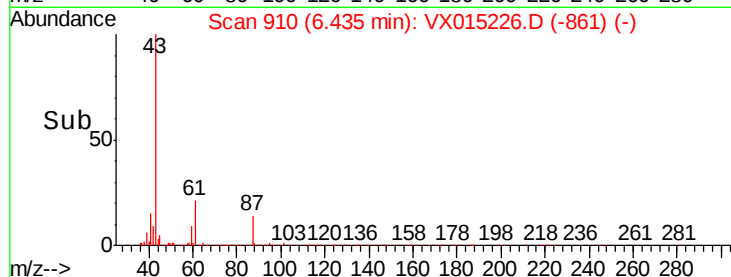
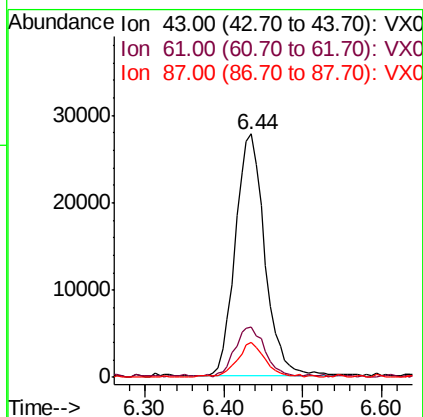
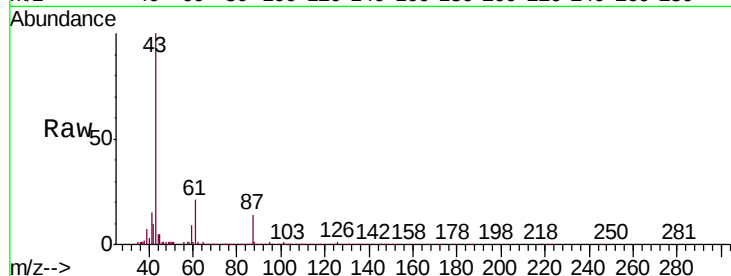


#43

Isopropyl Acetate
 Concen: 10.159 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-EC-52-S

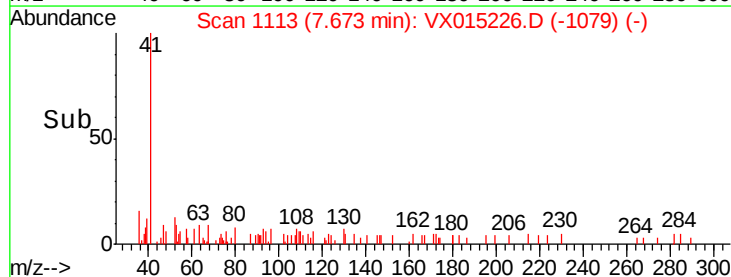
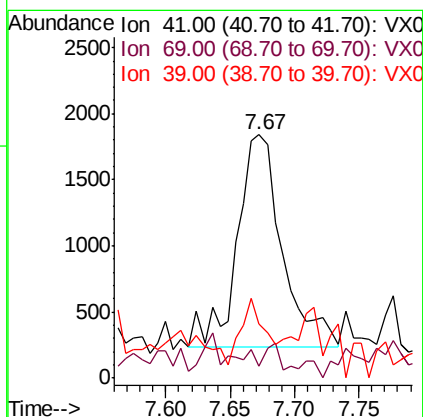
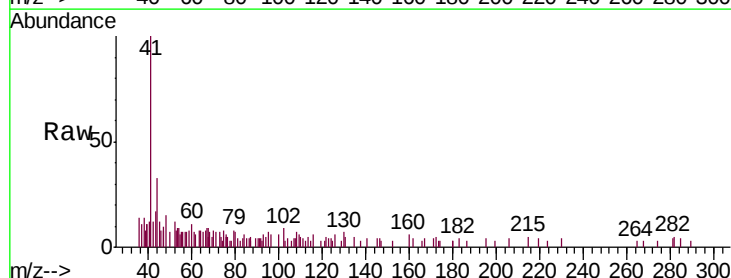
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	14.4	10.6	16.0

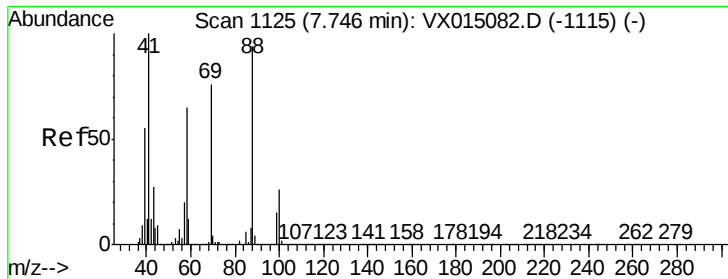


#48

Methyl methacrylate
 Concen: 1.077 ug/l
 RT: 7.67 min Scan# 1113
 Delta R.T. -0.09 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	5.6	65.4	98.2#
39	0.0	44.6	67.0#

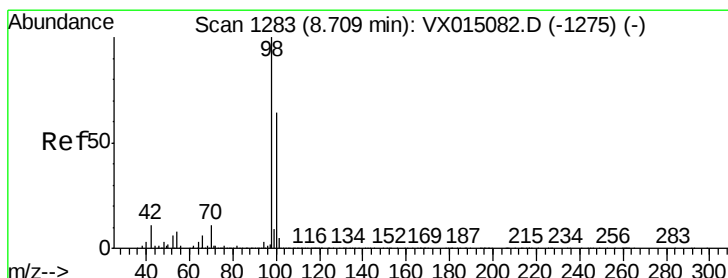
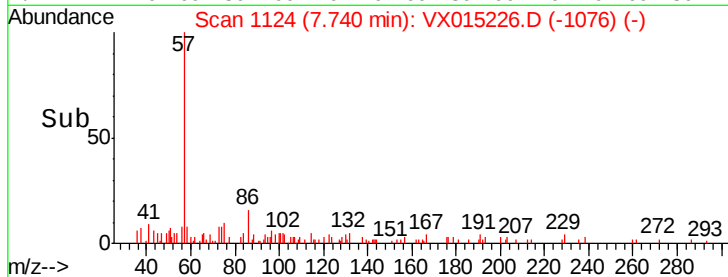
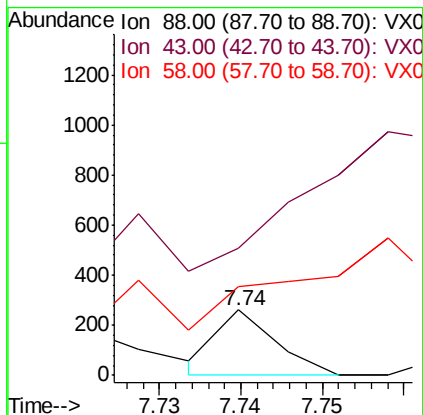
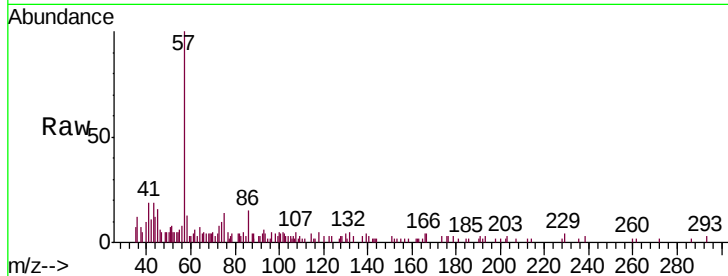




#49
1,4-Dioxane
Concen: 1.656 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VX015226.D
Acq: 12 Mar 2020 10:47

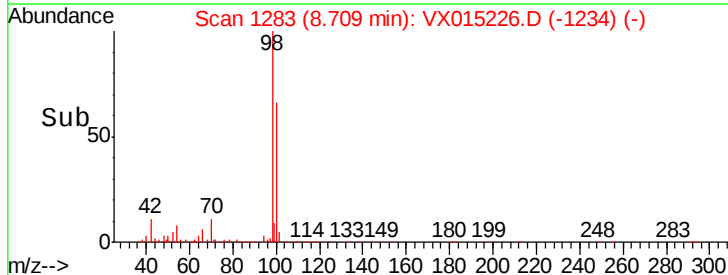
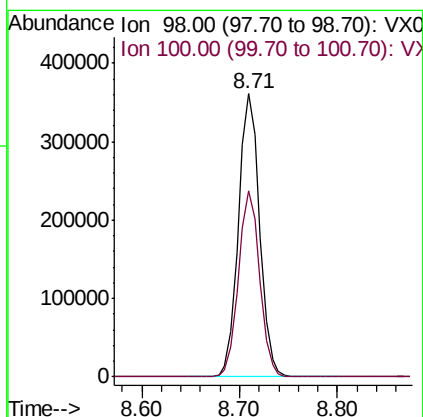
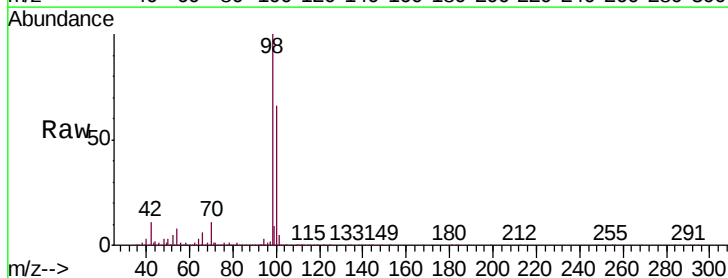
Instrument :
MSVOA_X
ClientSampleId :
CB-EC-52-S

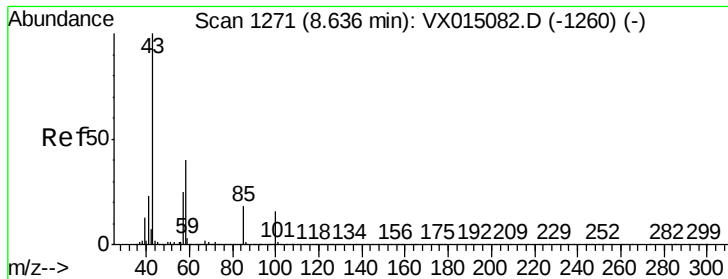
Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 47.852 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015226.D
Acq: 12 Mar 2020 10:47

Tgt Ion: 98 Resp: 543109
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6

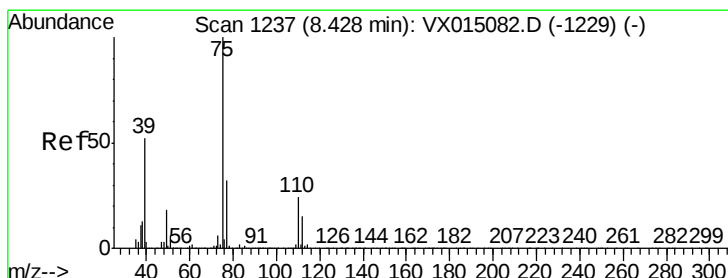
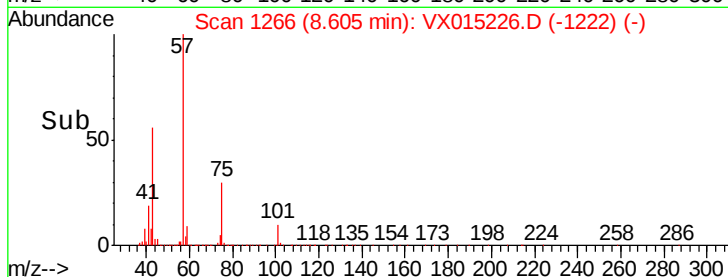
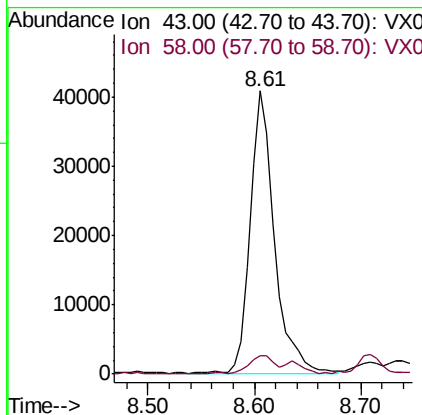
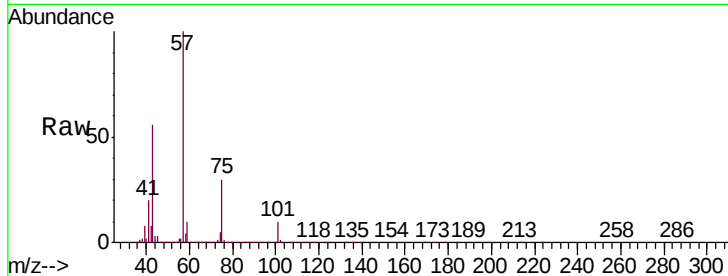




#51
 4-Methyl-2-Pentanone
 Concen: 15.354 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. -0.03 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

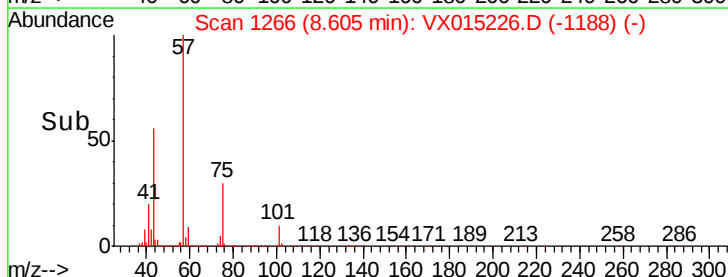
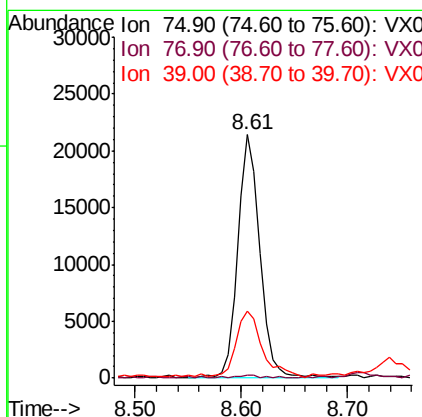
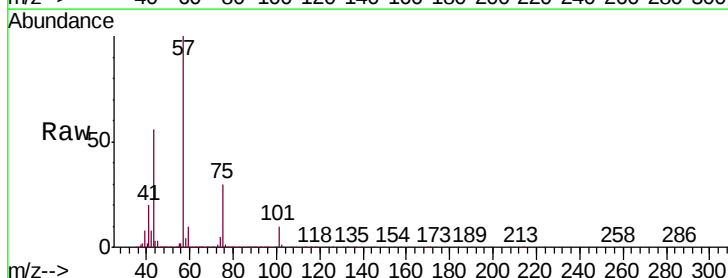
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-EC-52-S

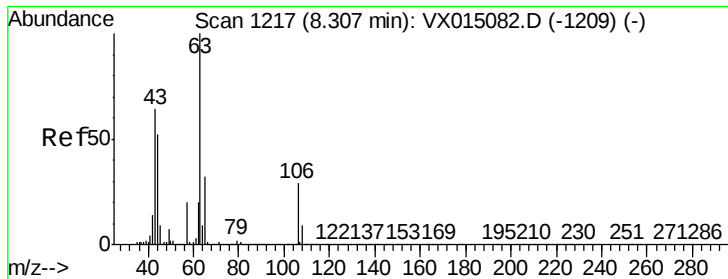
Tgt Ion: 43 Resp: 64771
 Ion Ratio Lower Upper
 43 100
 58 6.9 31.6 47.4#



#54
 cis-1,3-Dichloropropene
 Concen: 5.933 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

Tgt Ion: 75 Resp: 30886
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.8 38.6#
 39 26.5 41.3 61.9#





#58

2-Chloroethyl Vinyl ether

Concen: 0.203 ug/l

RT: 8.29 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampled :

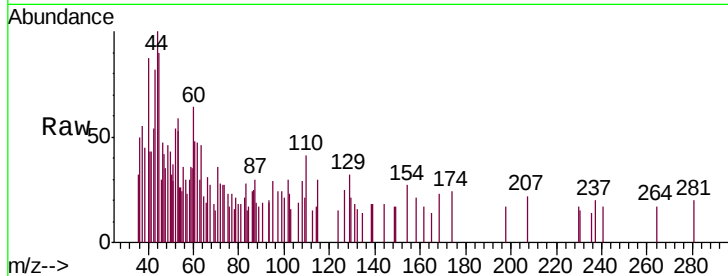
CB-EC-52-S

Tgt Ion: 63 Resp: 514

Ion Ratio Lower Upper

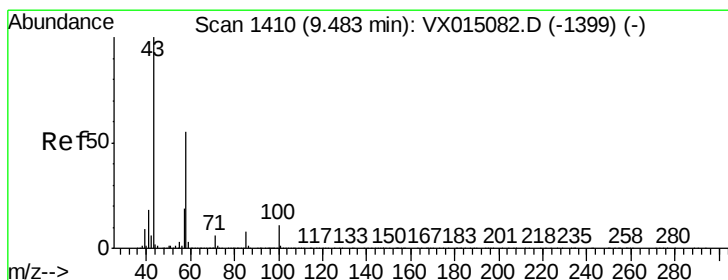
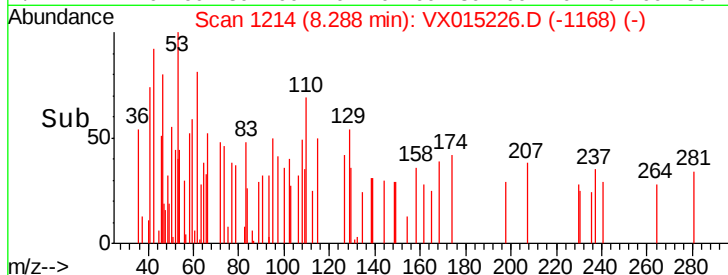
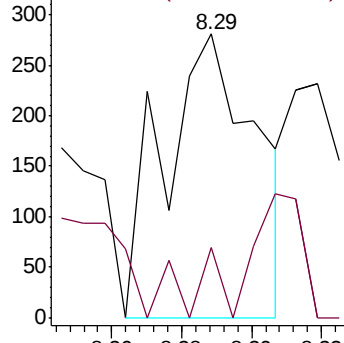
63 100

106 27.2 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 22.562 ug/l

RT: 9.53 min Scan# 1418

Delta R.T. 0.05 min

Lab File: VX015226.D

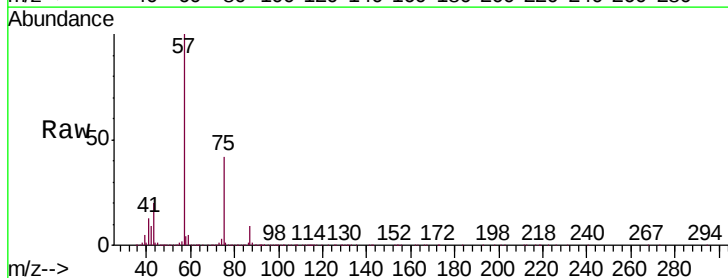
Acq: 12 Mar 2020 10:47

Tgt Ion: 43 Resp: 70546

Ion Ratio Lower Upper

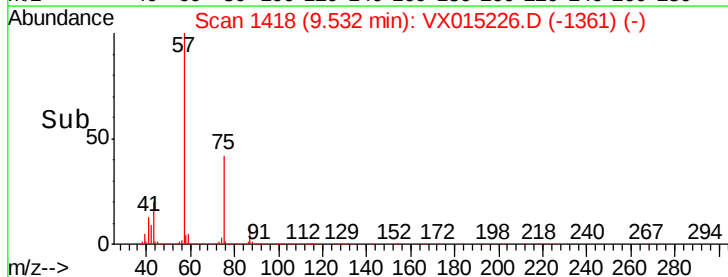
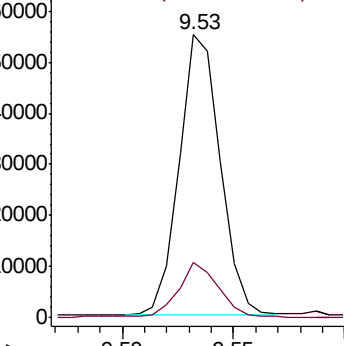
43 100

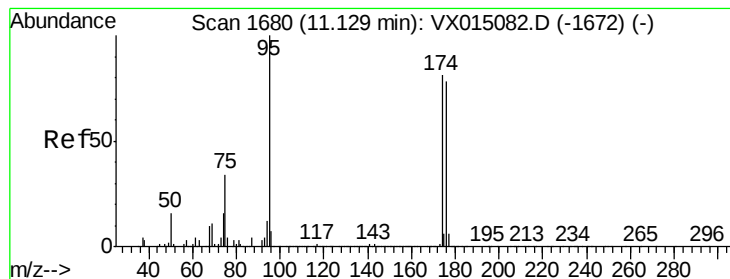
58 19.0 27.3 81.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.675 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampleId :

CB-EC-52-S

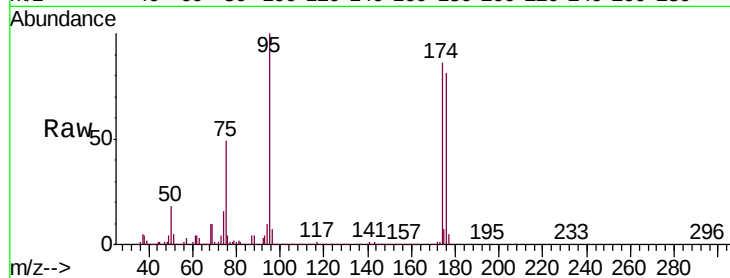
Tgt Ion: 95 Resp: 201101

Ion Ratio Lower Upper

95 100

174 91.1 0.0 177.6

176 87.7 0.0 170.2



Abundance Ion 94.90 (94.60 to 95.60): VX015226.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015226.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015226.D (-1672) (-)

11.13

150000

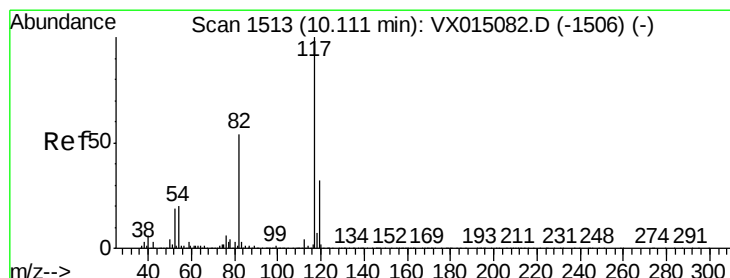
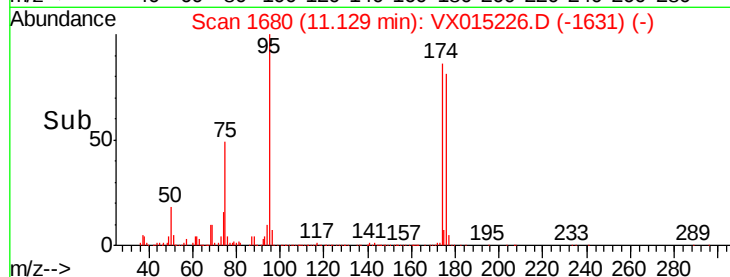
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

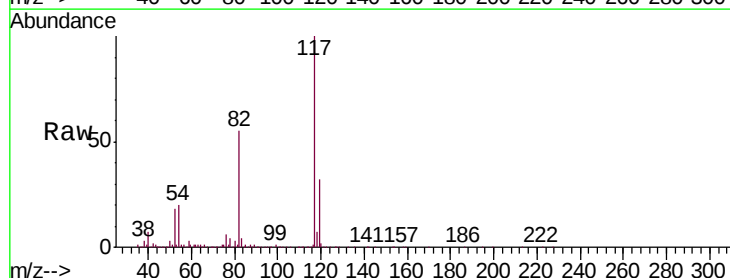
Tgt Ion: 117 Resp: 423723

Ion Ratio Lower Upper

117 100

82 55.3 43.3 64.9

119 31.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VX015226.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX015226.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX015226.D (-1464) (-)

10.11

400000

300000

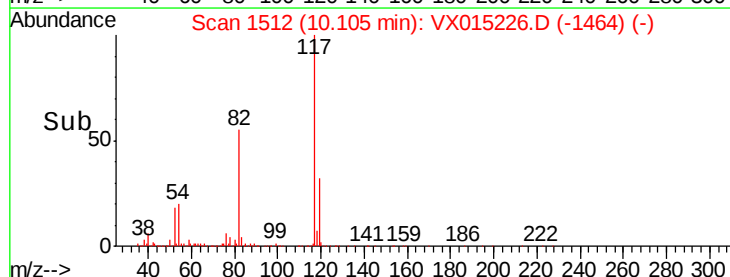
200000

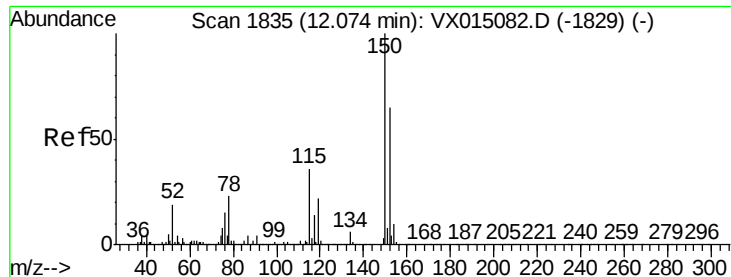
100000

0

10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampleId :

CB-EC-52-S

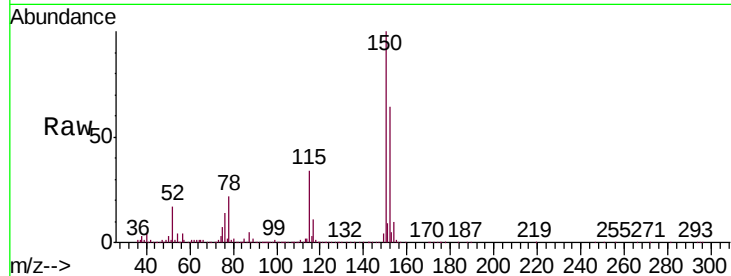
Tgt Ion:152 Resp: 217924

Ion Ratio Lower Upper

152 100

115 54.6 38.2 114.6

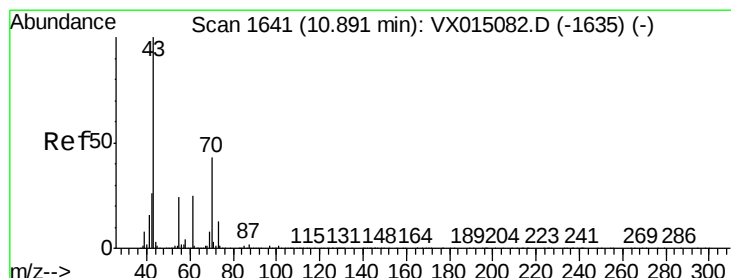
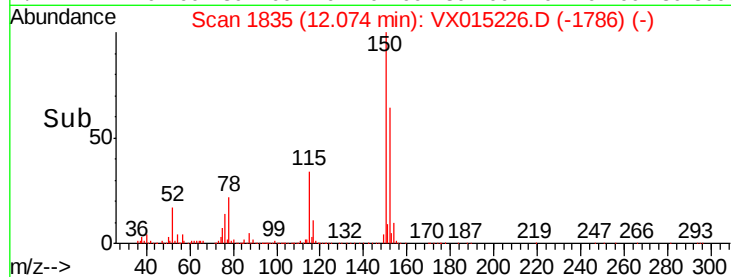
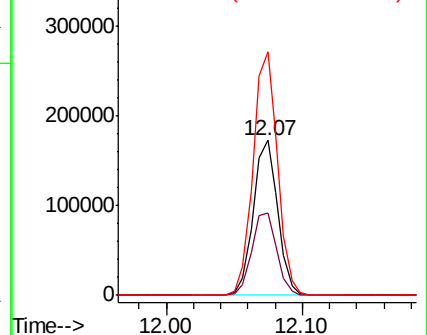
150 156.7 0.0 343.8



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: 0.483 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Tgt Ion: 43 Resp: 2833

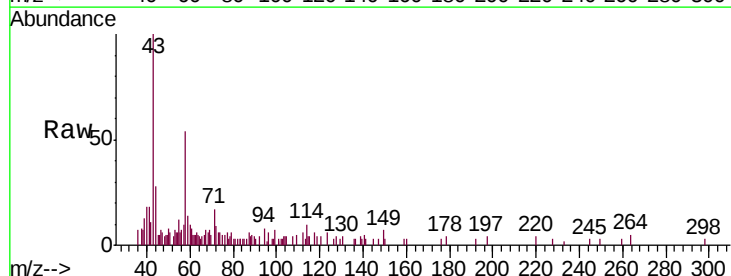
Ion Ratio Lower Upper

43 100

70 10.1 34.7 52.1#

55 27.3 19.4 29.0

61 0.0 19.0 28.6#

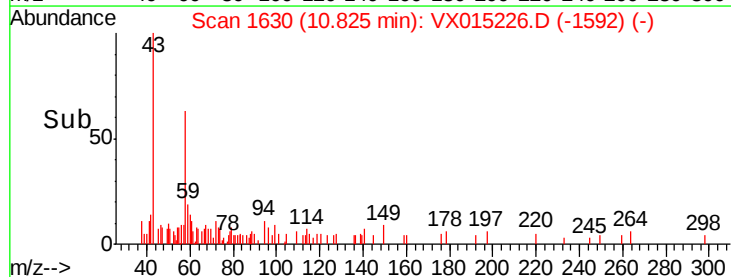
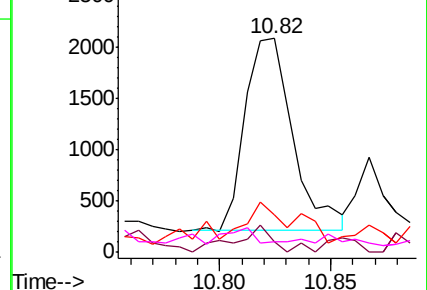


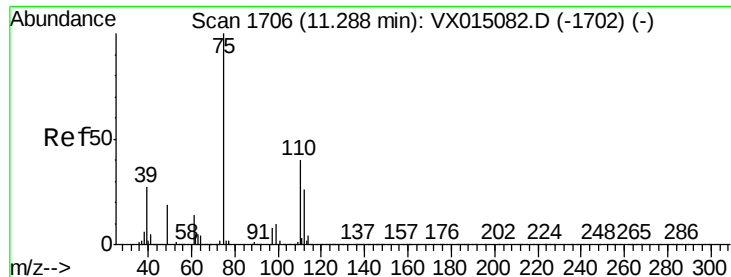
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.314 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

Instrument :

MSVOA_X

ClientSampleId :

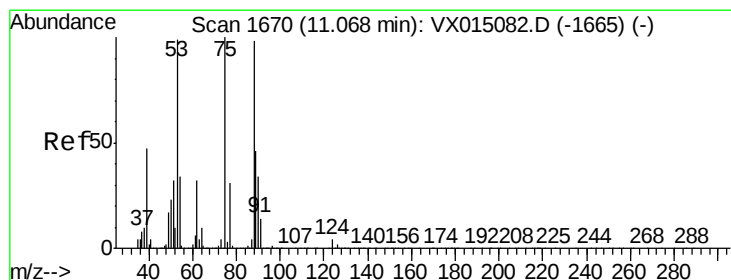
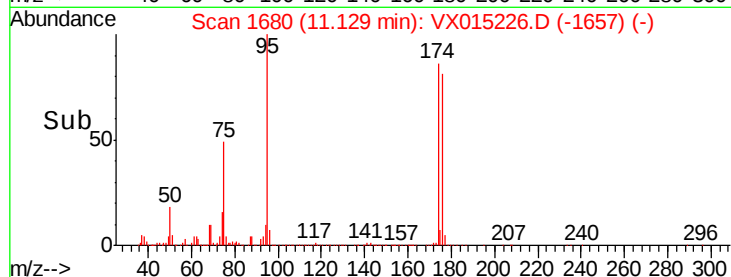
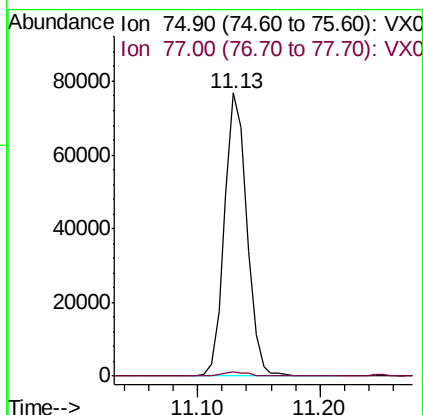
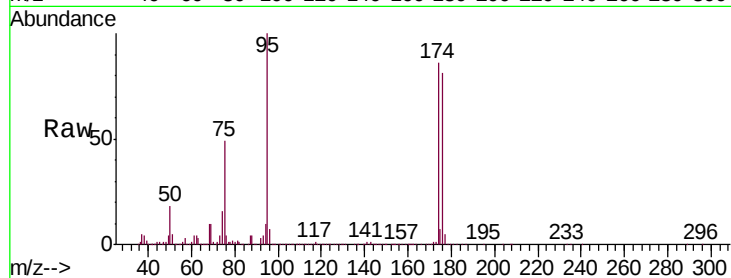
CB-EC-52-S

Tgt Ion: 75 Resp: 96999

Ion Ratio Lower Upper

75 100

77 2.1 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.328 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015226.D

Acq: 12 Mar 2020 10:47

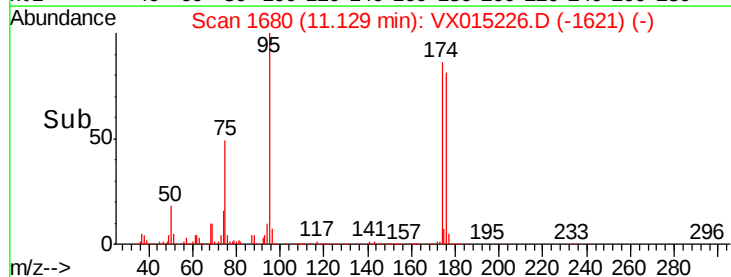
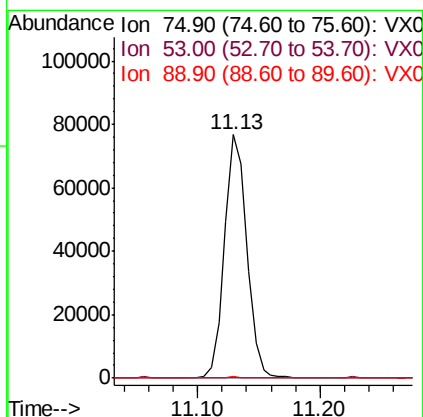
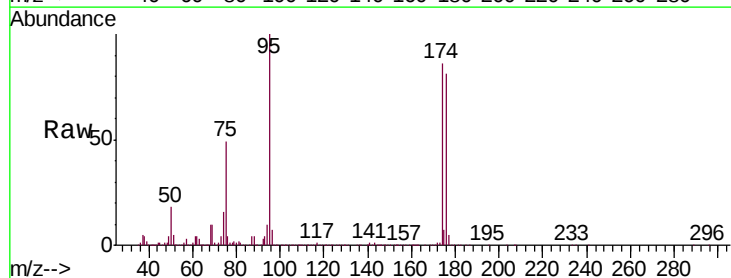
Tgt Ion: 75 Resp: 96999

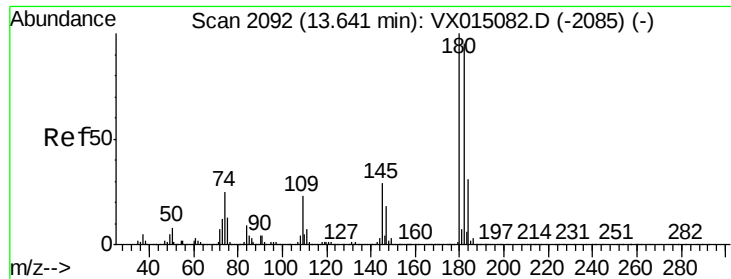
Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

89 0.1 36.2 54.2#

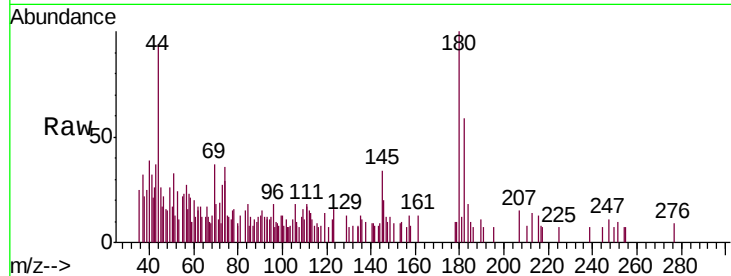




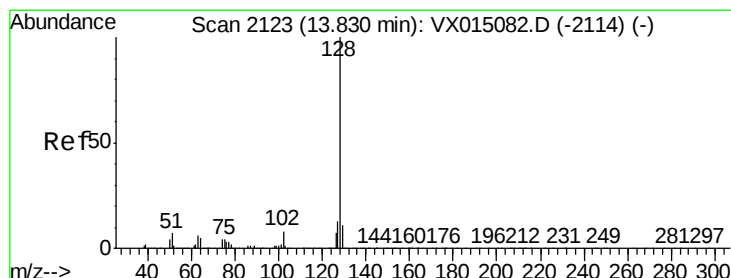
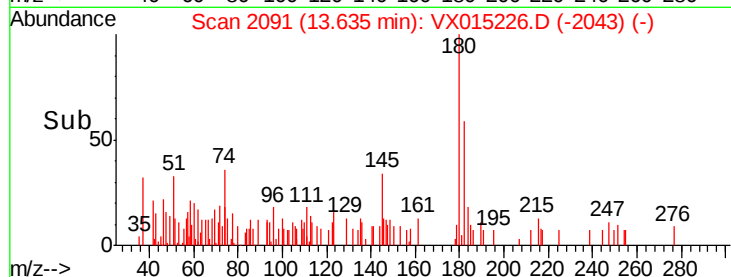
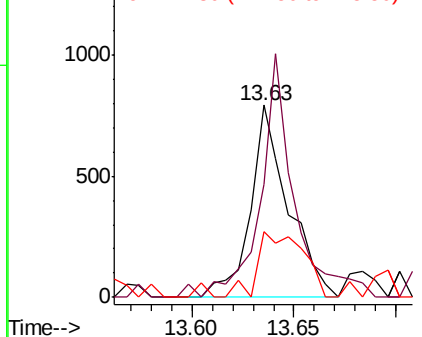
#93
 1,2,4-Trichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.63 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

Instrument :
 MSVOA_X
 ClientSampled :
 CB-EC-52-S

Tgt Ion:180 Resp: 1029
 Ion Ratio Lower Upper
 180 100
 182 113.0 47.6 142.8
 145 41.0 14.1 42.2

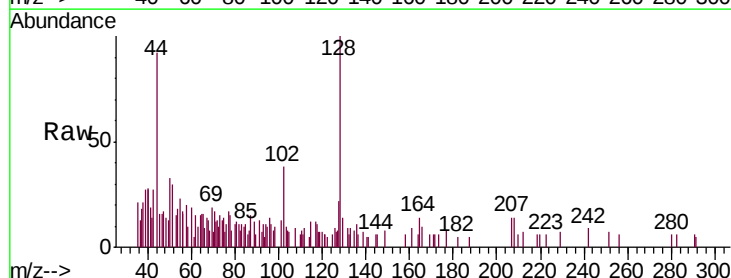


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 1.524 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX015226.D
 Acq: 12 Mar 2020 10:47

Tgt Ion:128 Resp: 1544
 Ion Ratio Lower Upper
 128 100
 127 28.8 10.3 15.5#
 129 26.4 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

