

Data File : VX015228.D
Acq On : 12 Mar 2020 11:32
Operator : JC/SP
Sample : L1853-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CB-EC-21-S

Quant Time: Mar 13 02:17:49 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	271987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	454507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	418495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	222184	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	149887	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	5.49	113	130957	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	
50) Toluene-d8	8.71	98	530432	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.13	95	210014	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	680	0.323	ug/l #	77
6) Chloroethane	1.73	64	442	0.215	ug/l #	42
10) Methyl Iodide	2.52	142	893	0.309	ug/l #	67
11) Tert butyl alcohol	3.00	59	341	0.609	ug/l #	1
16) Acetone	2.43	43	9685	7.411	ug/l	94
18) Methyl Acetate	2.76	43	2565	0.803	ug/l #	88
20) Methylene Chloride	2.85	84	24782	8.103	ug/l	97
25) 2-Butanone	4.69	43	1185	0.619	ug/l #	77
29) Tetrahydrofuran	5.13	42	804	0.652	ug/l #	58
38) Carbon Tetrachloride	5.66	117	23796	6.000	ug/l #	16
41) Methacrylonitrile	5.01	41	557	0.238	ug/l #	88
43) Isopropyl Acetate	6.43	43	64302	9.378	ug/l	99
48) Methyl methacrylate	7.67	41	3796	1.088	ug/l #	18
49) 1,4-Dioxane	7.77	88	48	0.636	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	61332	15.129	ug/l #	52
54) cis-1,3-Dichloropropene	8.61	75	29203	5.837	ug/l #	56
59) 2-Hexanone	9.43	43	78613	26.163	ug/l #	24
74) N-amyl acetate	10.82	43	3523	0.589	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	98795	22.292	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	98795	63.264	ug/l #	11
95) Naphthalene	13.83	128	1030	1.488	ug/l #	82

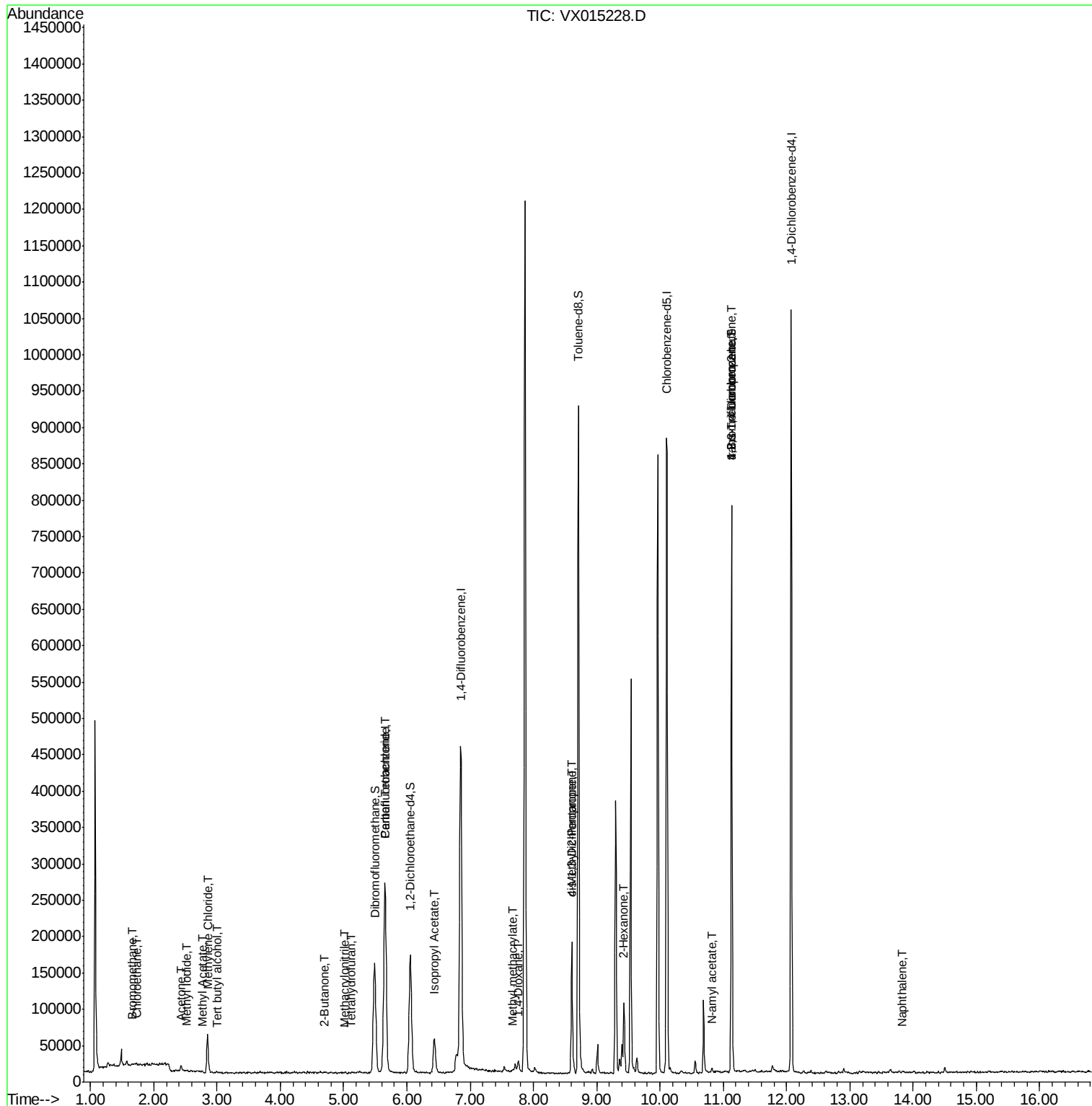
(#) = qualifier out of range (m) = manual integration (+) = signals summed

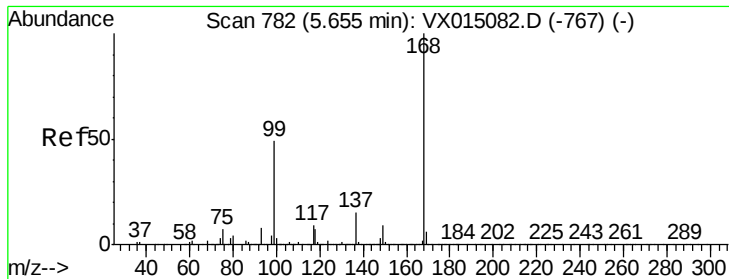
Data File : VX015228.D

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Acq On       : 12 Mar 2020   11:32
Operator    : JC/SP
Sample      : L1853-14
Misc       : 5.0mL/MSV0A_X/WATER
ALS Vial    : 8      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
CB-EC-21-S

Quant Time: Mar 13 02:17:49 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

Instrument :

MSVOA_X

ClientSampled :

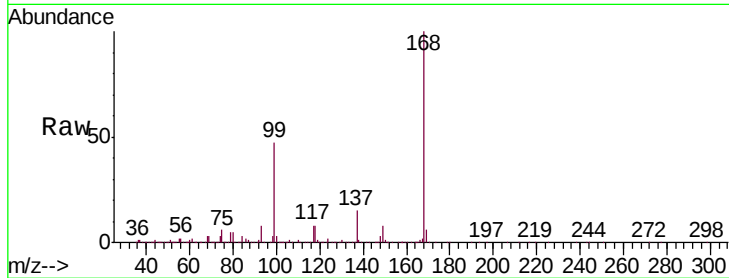
CB-EC-21-S

Tgt Ion:168 Resp: 271987

Ion Ratio Lower Upper

168 100

99 47.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

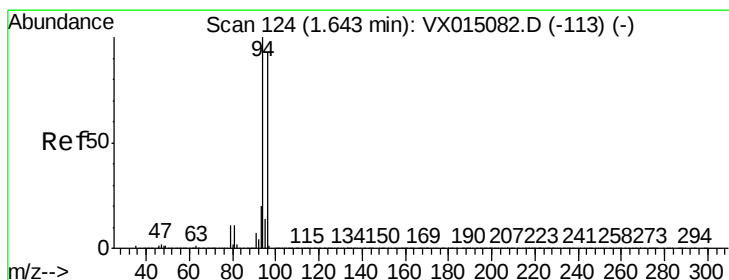
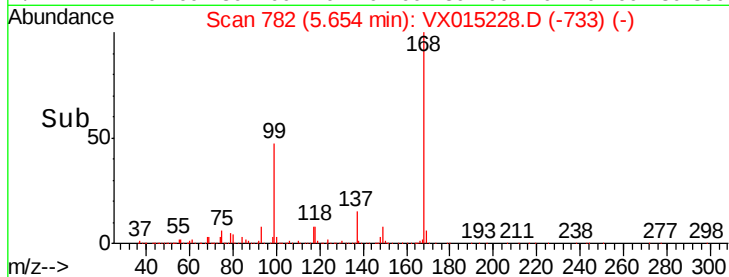
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.323 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015228.D

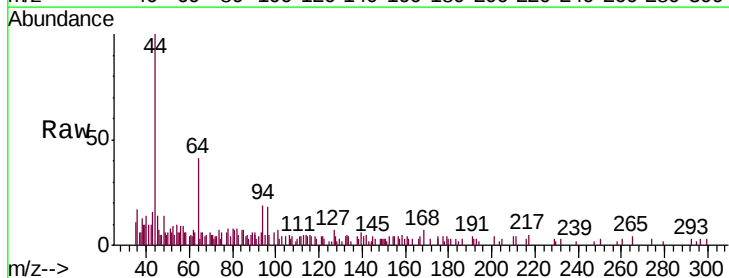
Acq: 12 Mar 2020 11:32

Tgt Ion: 94 Resp: 680

Ion Ratio Lower Upper

94 100

96 71.3 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

500

400

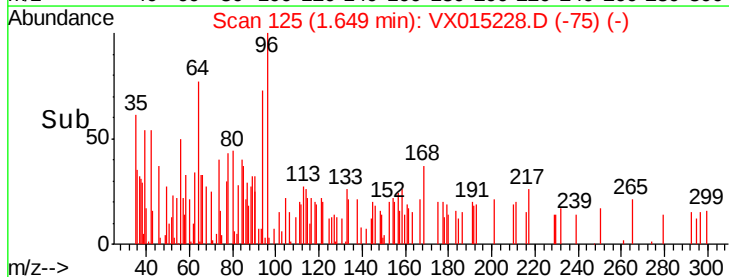
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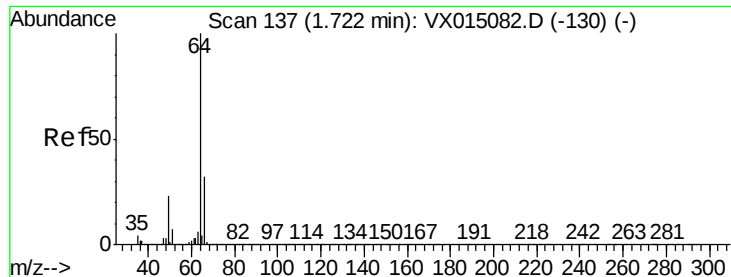
200

100

0

Time-->





#6

Chloroethane

Concen: 0.215 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.01 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

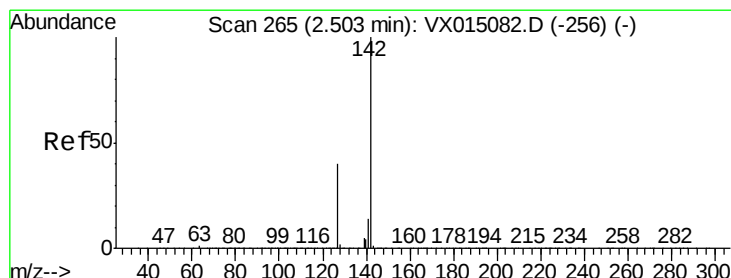
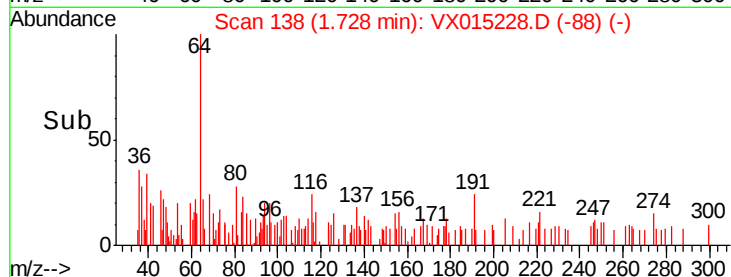
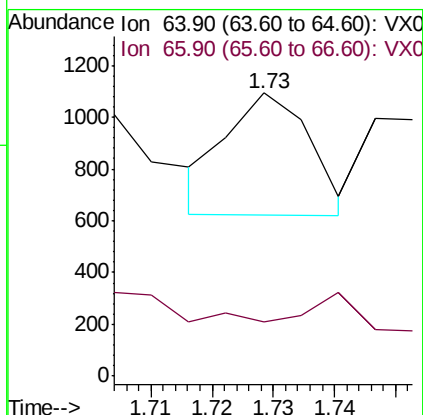
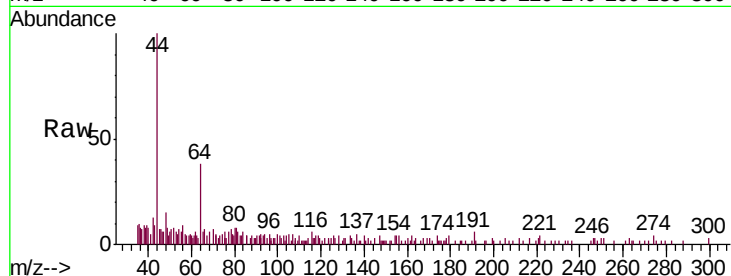
CB-EC-21-S

Tgt Ion: 64 Resp: 442

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.8#



#10

Methyl Iodide

Concen: 0.309 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.02 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

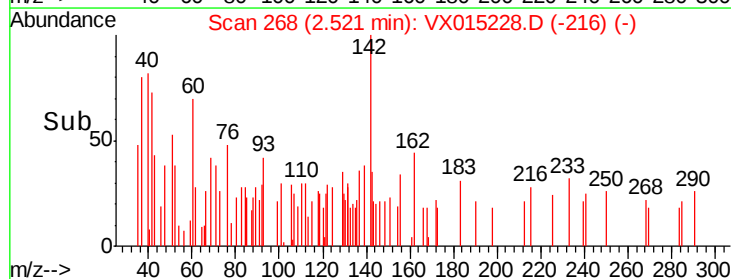
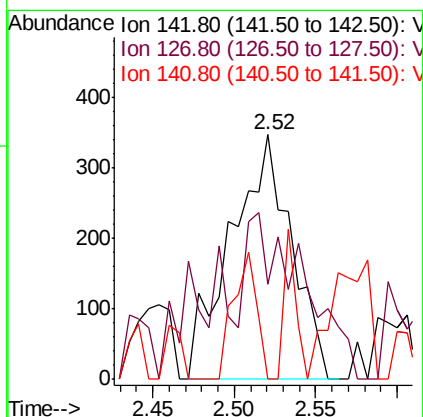
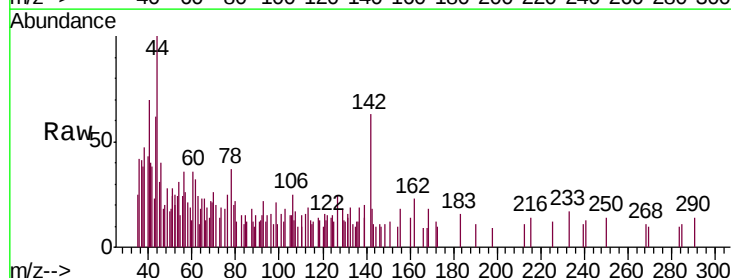
Tgt Ion: 142 Resp: 893

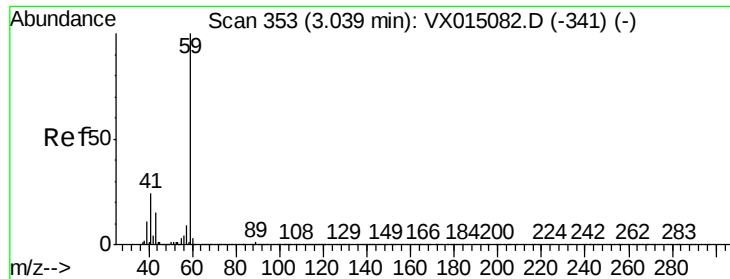
Ion Ratio Lower Upper

142 100

127 63.6 31.7 47.5#

141 20.0 11.3 16.9#



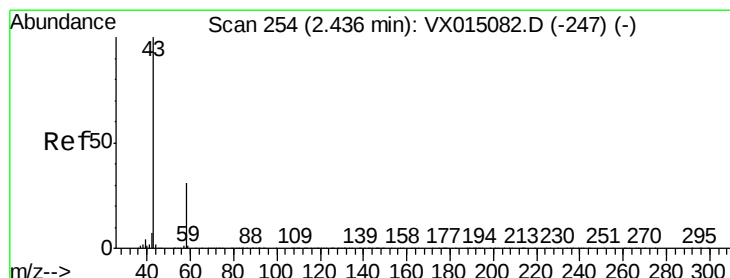
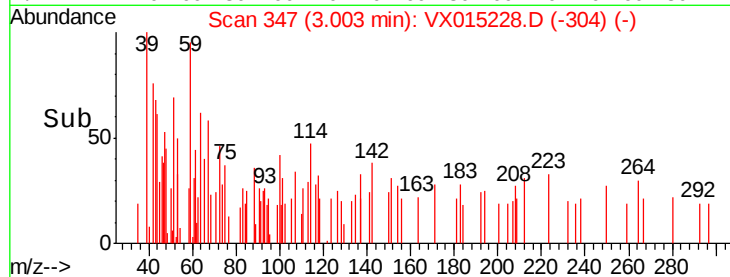
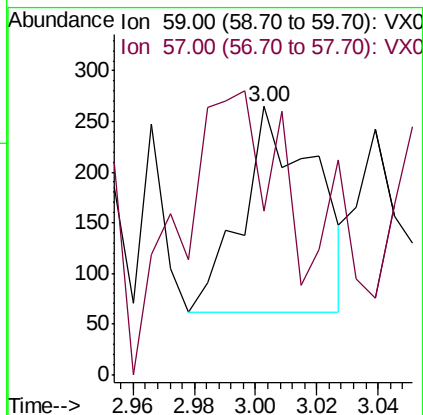
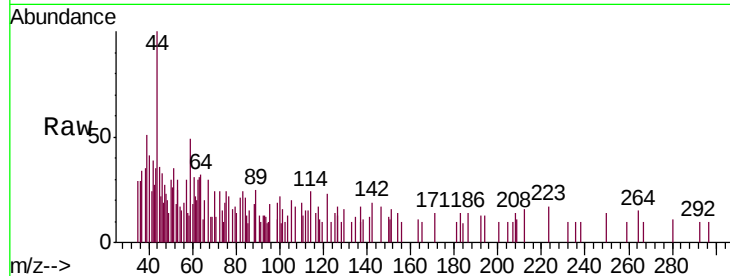


#11

Tert butyl alcohol
Concen: 0.609 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Instrument :
MSVOA_X
ClientSampled :
CB-EC-21-S

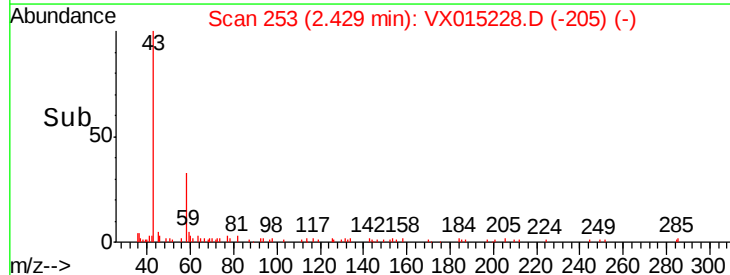
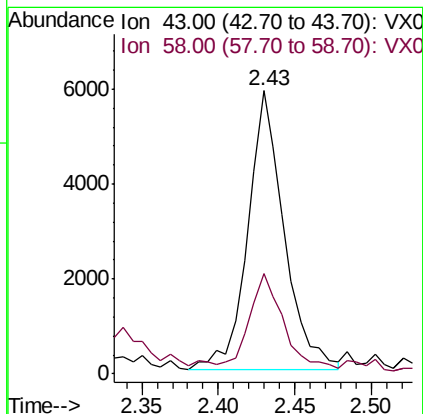
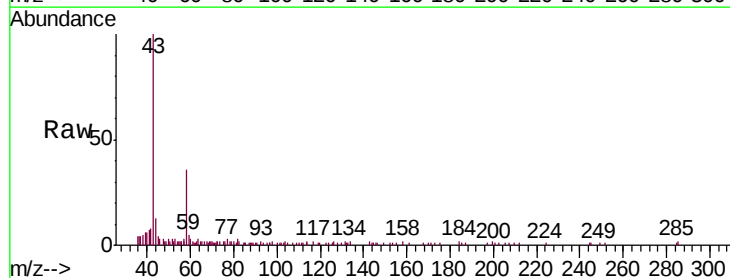
Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 197.1 8.2 12.4#

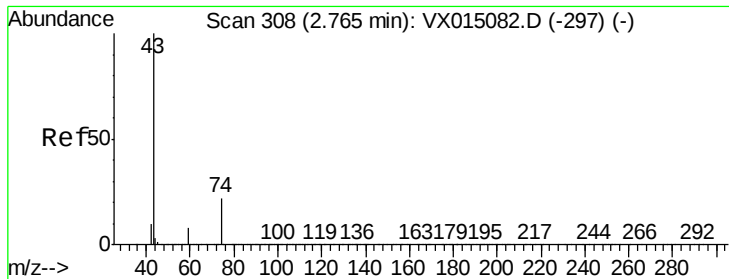


#16

Acetone
Concen: 7.411 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Tgt Ion: 43 Resp: 9685
Ion Ratio Lower Upper
43 100
58 34.2 24.8 37.2

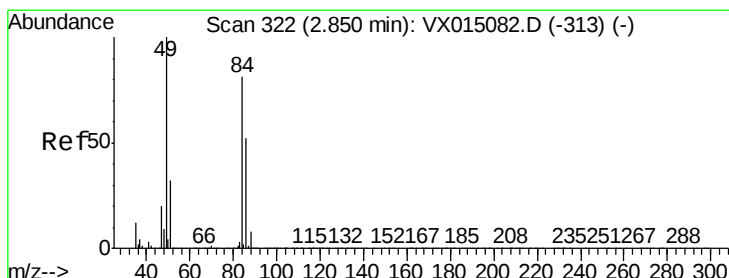
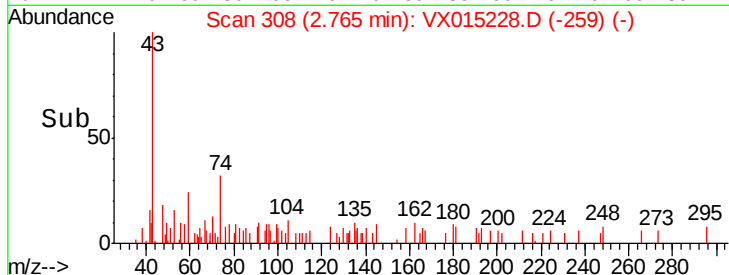
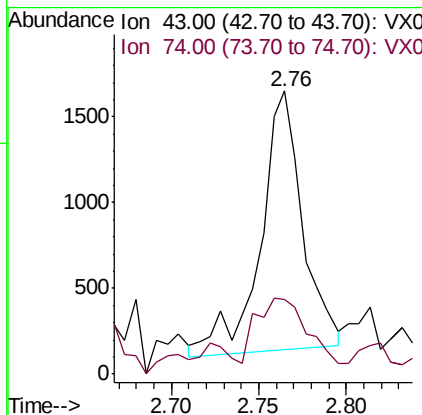
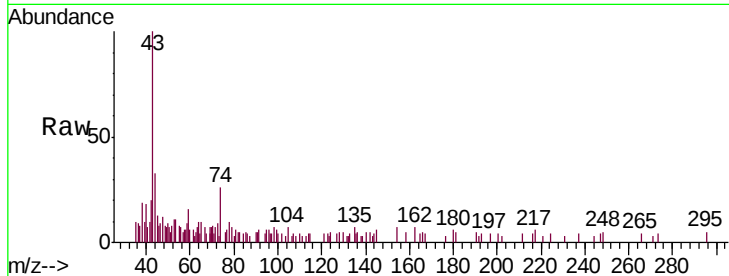




#18
Methyl Acetate
Concen: 0.803 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

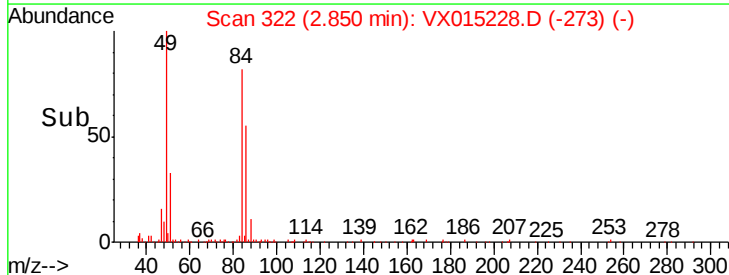
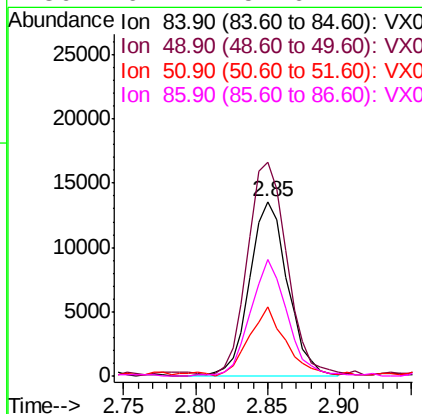
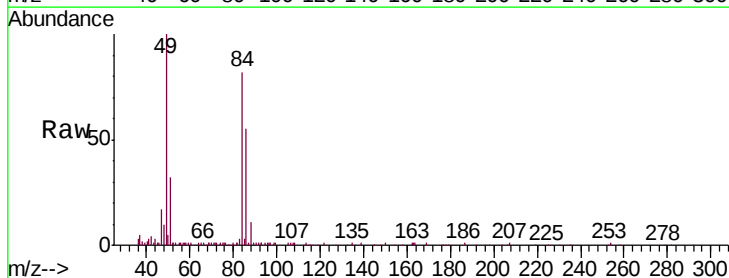
Instrument :
MSVOA_X
ClientSampleId :
CB-EC-21-S

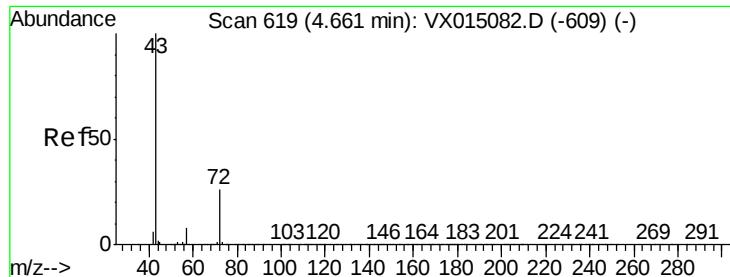
Tgt Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
74 29.5 18.8 28.2#



#20
Methylene Chloride
Concen: 8.103 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Tgt Ion: 84 Resp: 24782
Ion Ratio Lower Upper
84 100
49 121.0 99.4 149.2
51 38.9 31.5 47.3
86 67.1 51.6 77.4





#25

2-Butanone

Concen: 0.619 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

Instrument :

MSVOA_X

ClientSampled :

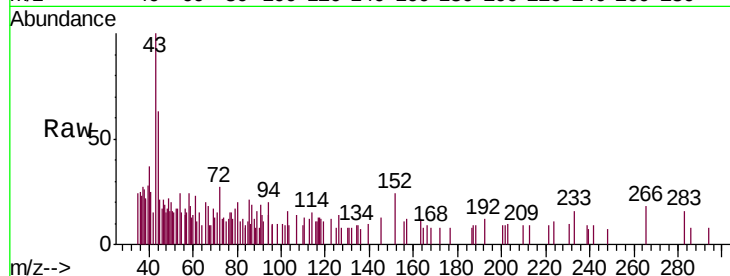
CB-EC-21-S

Tgt Ion: 43 Resp: 1185

Ion Ratio Lower Upper

43 100

72 14.2 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

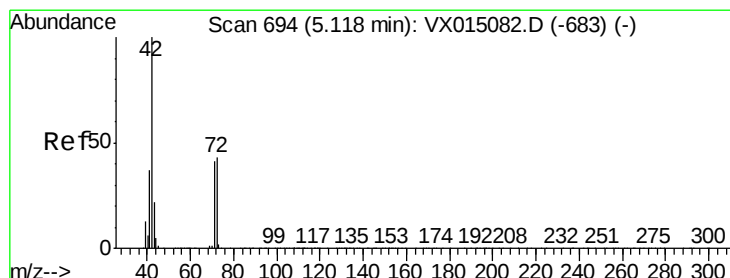
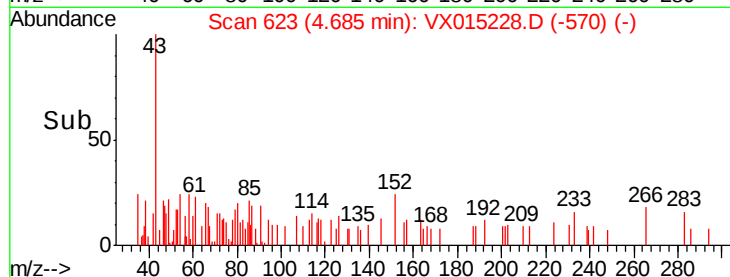
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.652 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

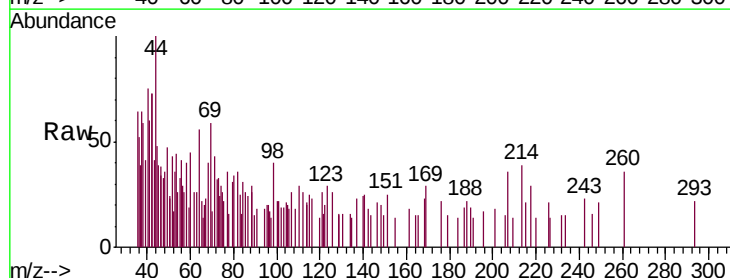
Tgt Ion: 42 Resp: 804

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 48.9 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.13

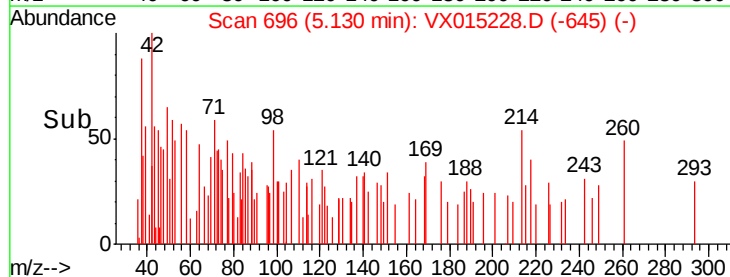
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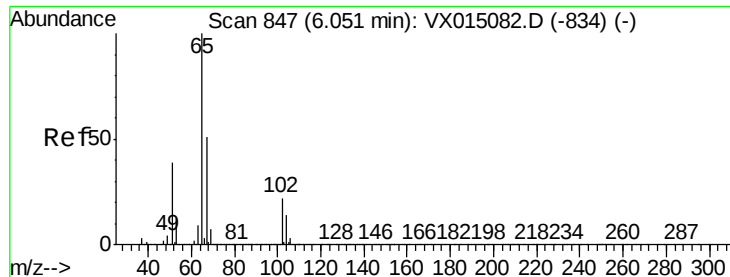
400

200

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.451 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

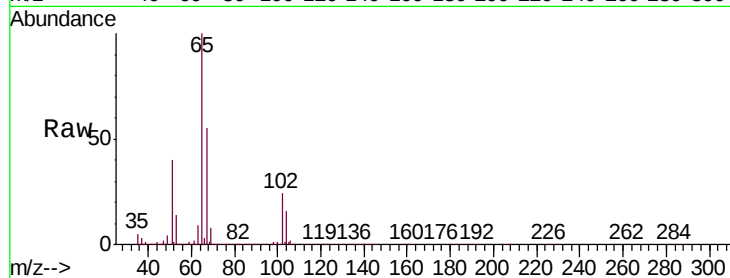
CB-EC-21-S

Tgt Ion: 65 Resp: 149887

Ion Ratio Lower Upper

65 100

67 55.0 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

60000

50000

40000

30000

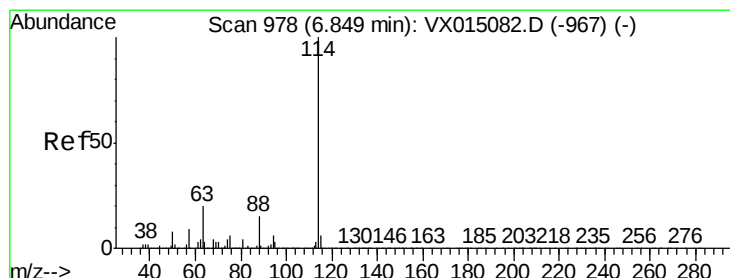
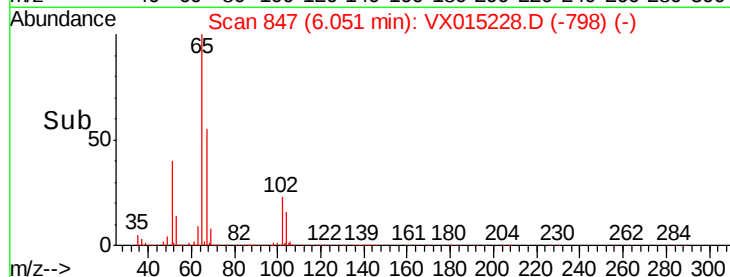
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

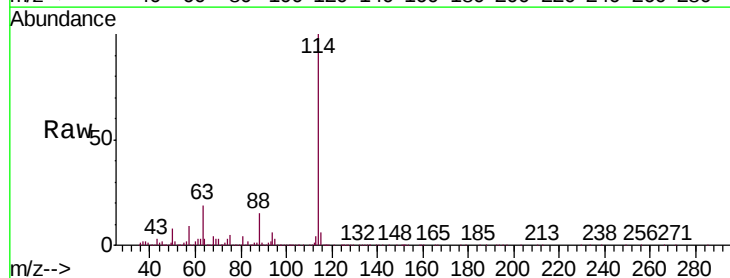
Tgt Ion: 114 Resp: 454507

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.4 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

250000

200000

150000

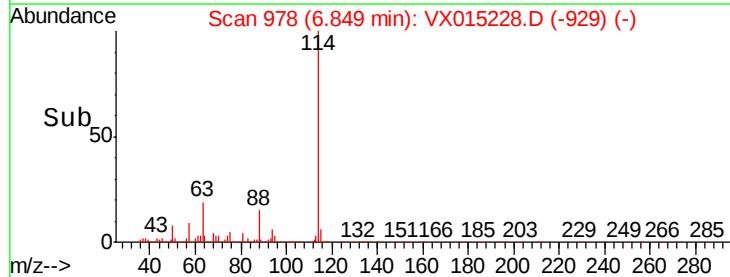
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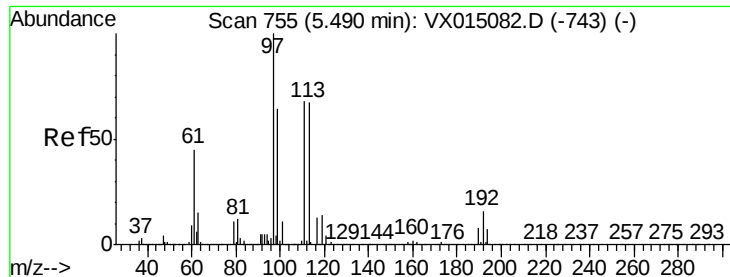
50000

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Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 45.672 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

CB-EC-21-S

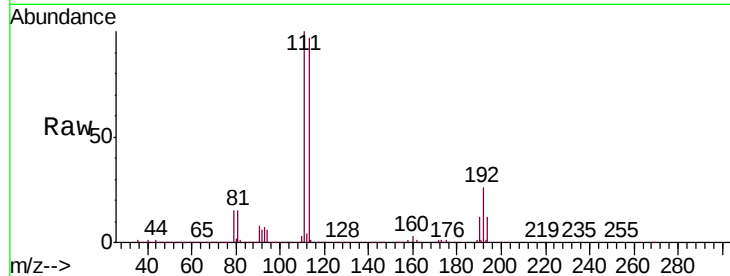
Tgt Ion:113 Resp: 130957

Ion Ratio Lower Upper

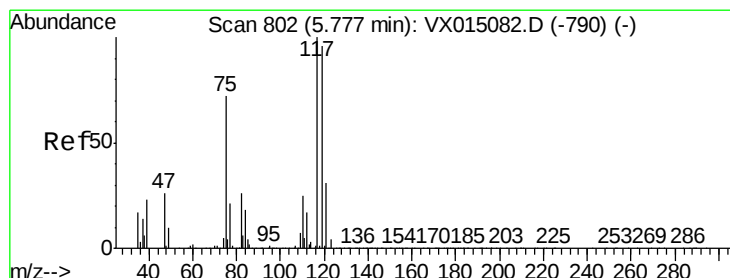
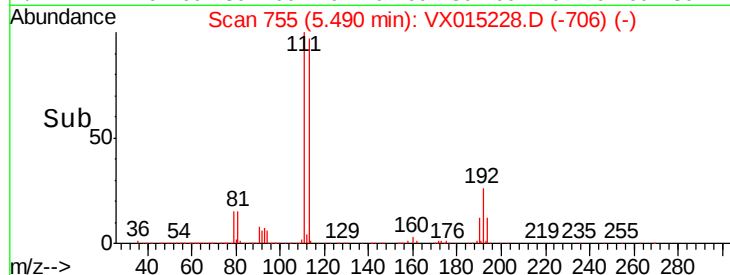
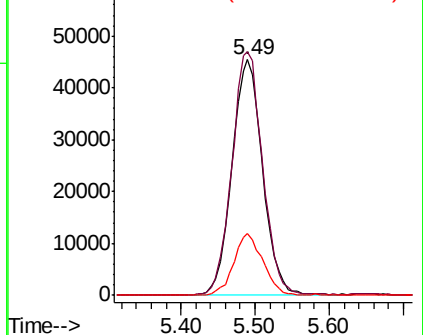
113 100

111 104.0 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



#38

Carbon Tetrachloride

Concen: 6.000 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.12 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

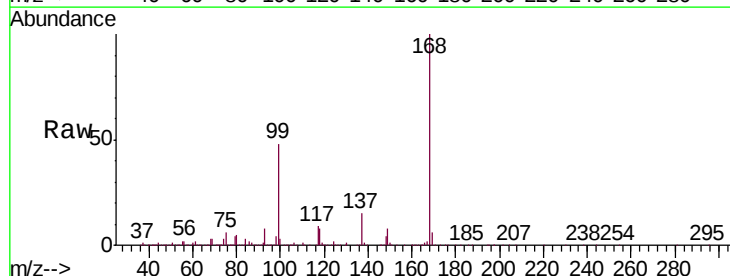
Tgt Ion:117 Resp: 23796

Ion Ratio Lower Upper

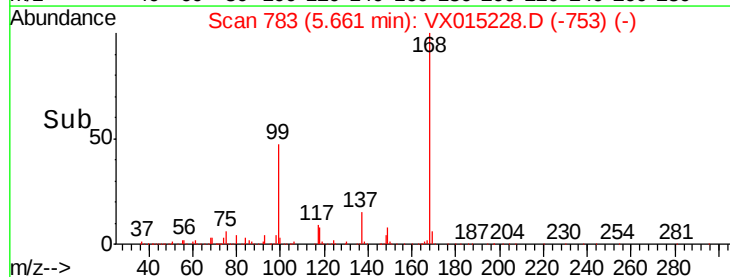
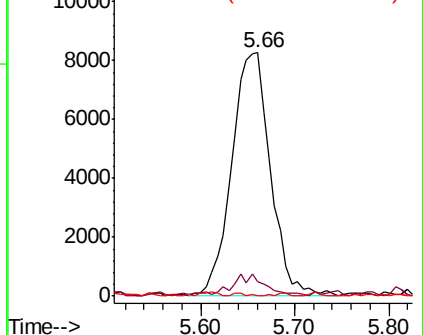
117 100

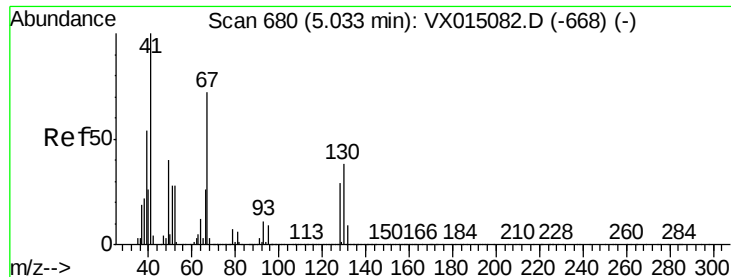
119 5.1 76.9 115.3#

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

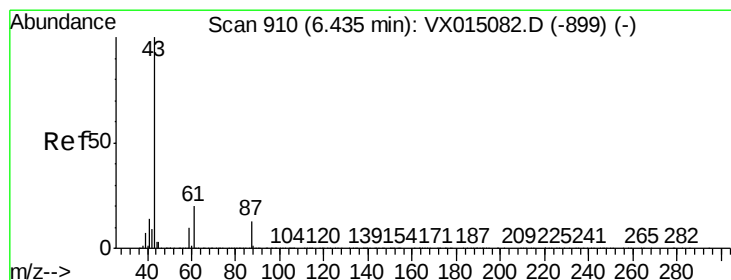
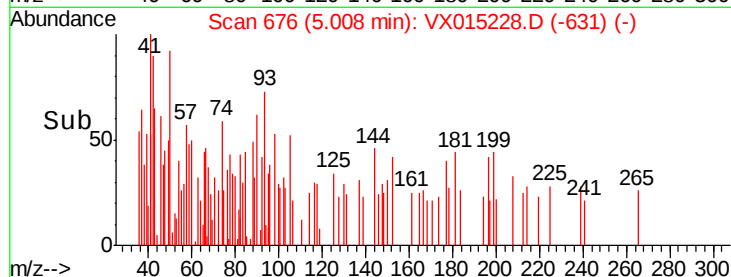
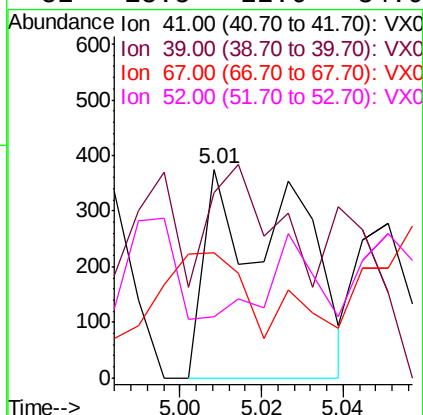
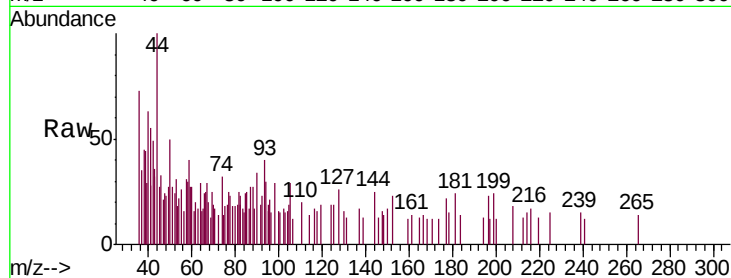




#41
Methacrylonitrile
Concen: 0.238 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.02 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

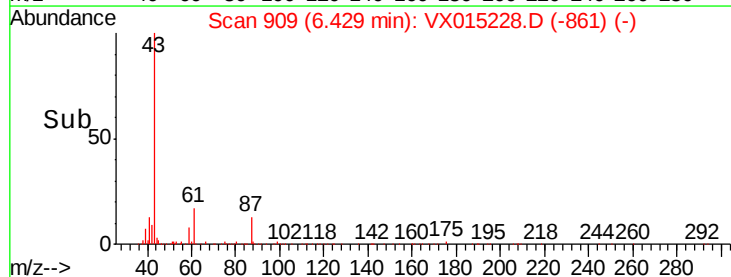
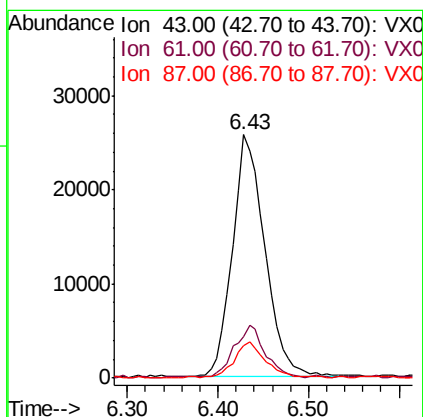
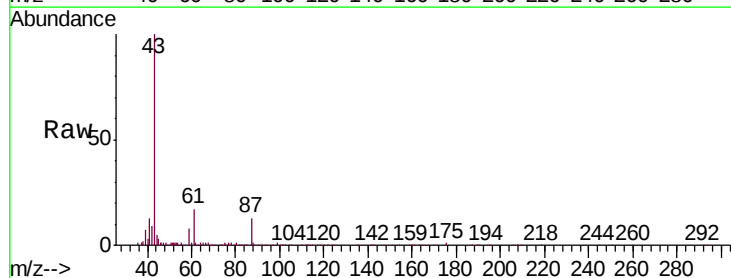
Instrument :
MSVOA_X
ClientSampleID :
CB-EC-21-S

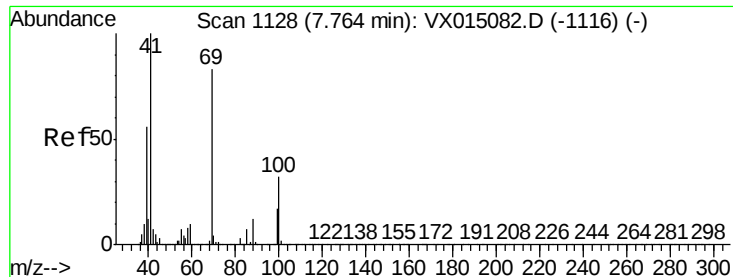
Tgt Ion:	41	Resp:	557
Ion	Ratio	Lower	Upper
41	100		
39	41.1	43.9	65.9#
67	68.4	57.8	86.8
52	18.5	22.6	34.0#



#43
Isopropyl Acetate
Concen: 9.378 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Tgt Ion:	43	Resp:	64302
Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	13.9	10.6	16.0

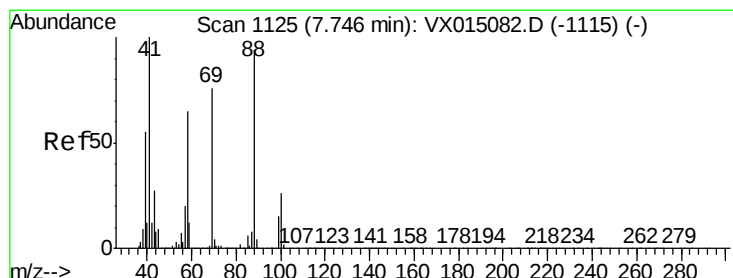
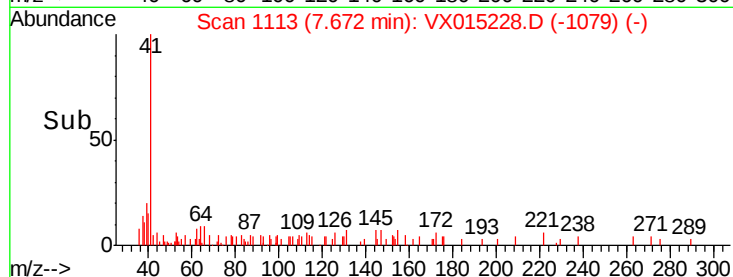
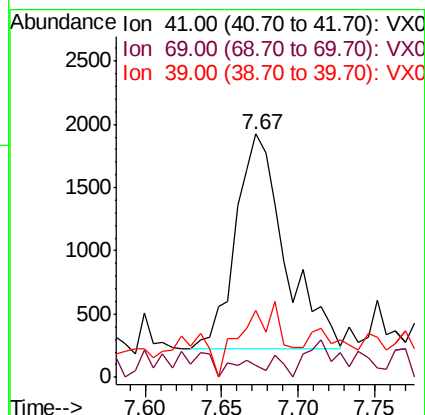
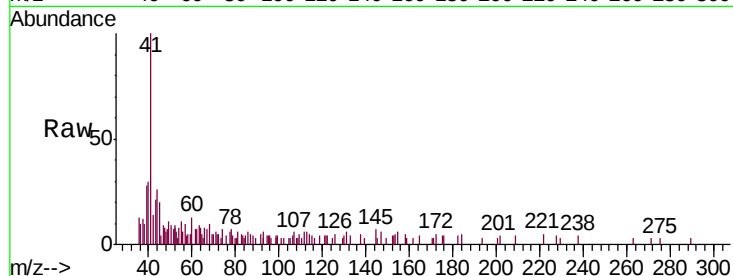




#48
Methyl methacrylate
Concen: 1.088 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

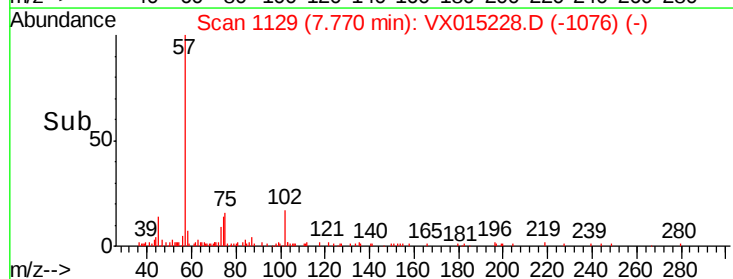
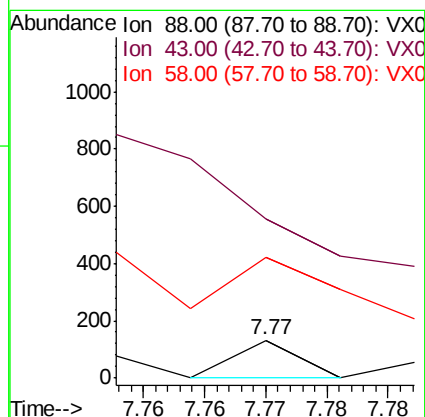
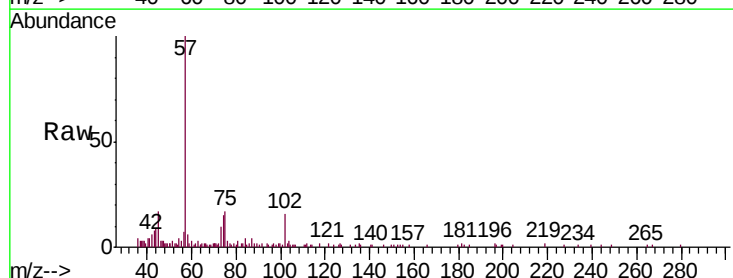
Instrument :
MSVOA_X
ClientSampleId :
CB-EC-21-S

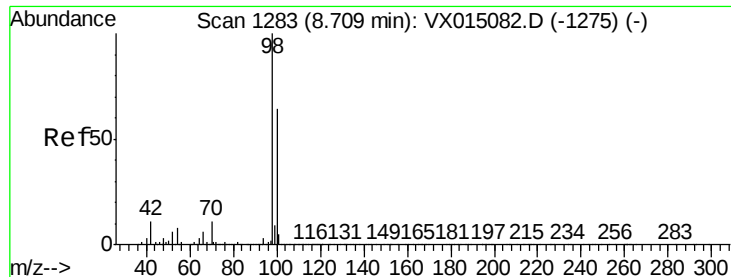
Tgt Ion: 41 Resp: 3796
Ion Ratio Lower Upper
41 100
69 4.7 65.4 98.2#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 0.636 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 795.8 55.6 83.4#





#50

Toluene-d8

Concen: 48.632 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015228.D

Acq: 12 Mar 2020 11:32

Instrument :

MSVOA_X

ClientSampleId :

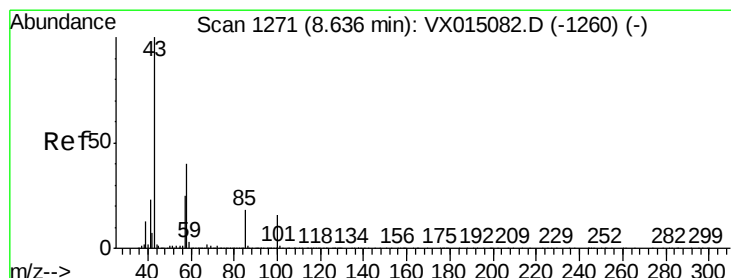
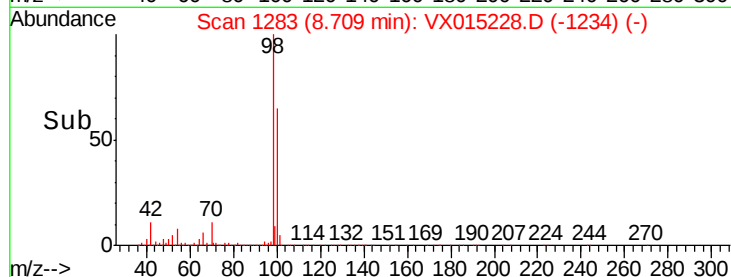
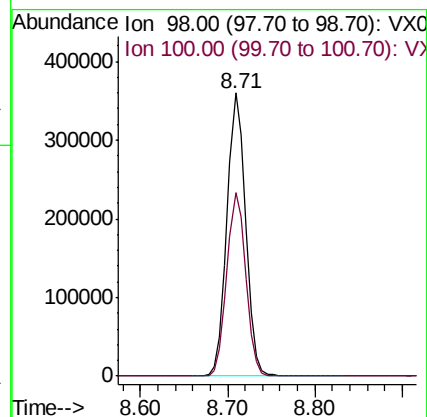
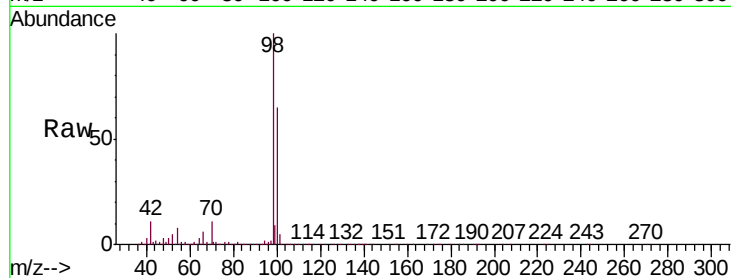
CB-EC-21-S

Tgt Ion: 98 Resp: 530432

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 15.129 ug/l

RT: 8.61 min Scan# 1266

Delta R.T. -0.03 min

Lab File: VX015228.D

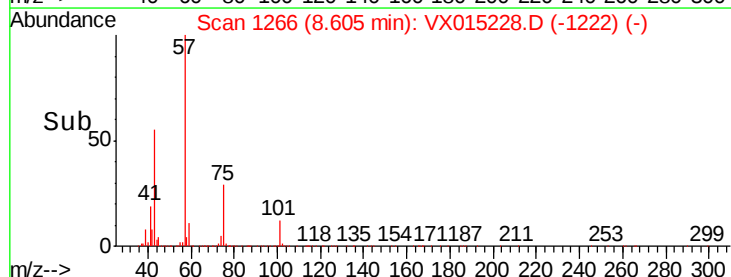
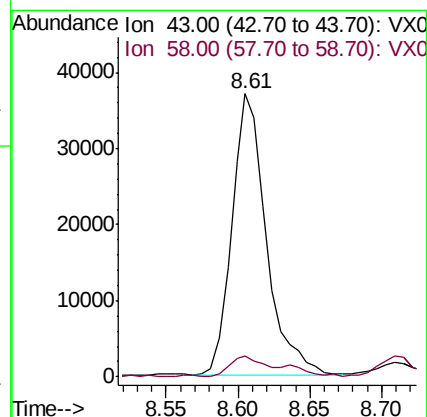
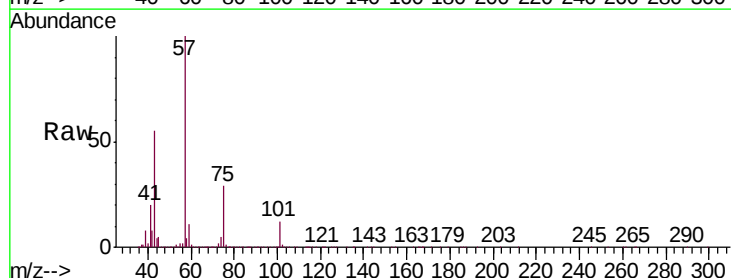
Acq: 12 Mar 2020 11:32

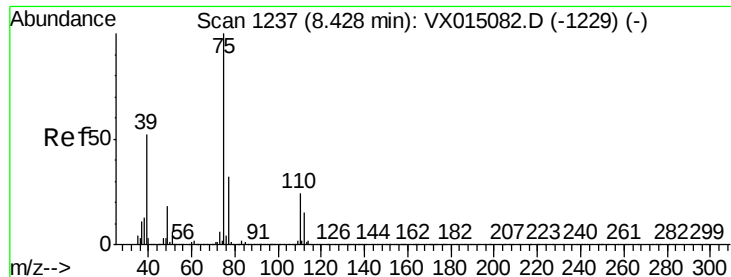
Tgt Ion: 43 Resp: 61332

Ion Ratio Lower Upper

43 100

58 10.1 31.6 47.4#



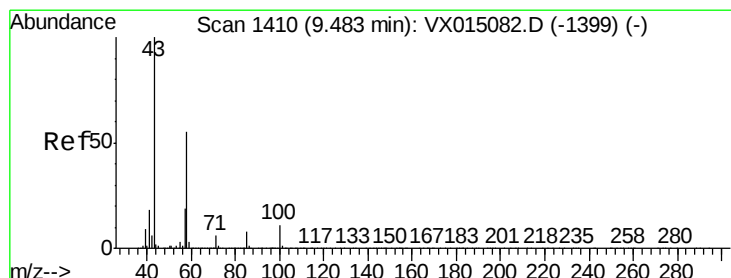
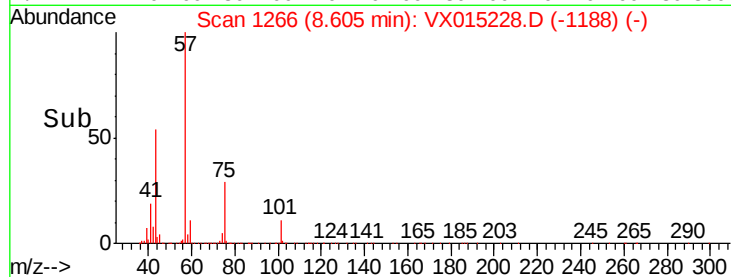
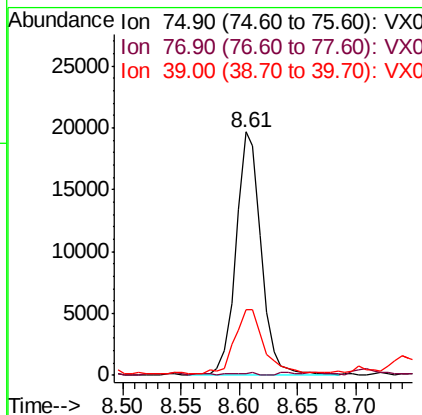
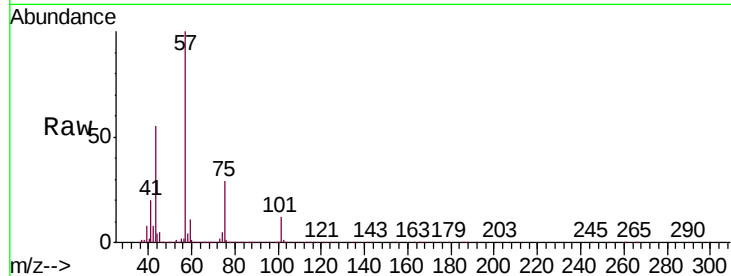


#54

cis-1,3-Dichloropropene
 Concen: 5.837 ug/l
 RT: 8.61 min Scan# 1266
 Delta R.T. 0.18 min
 Lab File: VX015228.D
 Acq: 12 Mar 2020 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 CB-EC-21-S

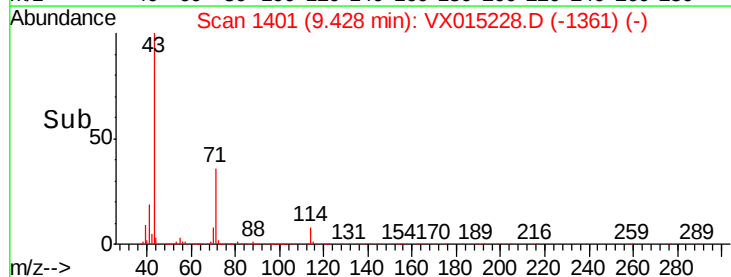
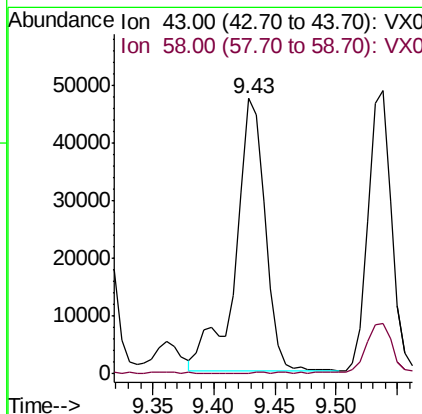
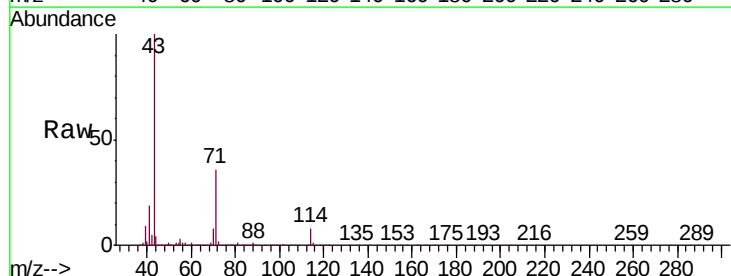
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.4	25.8	38.6#
39	26.6	41.3	61.9#

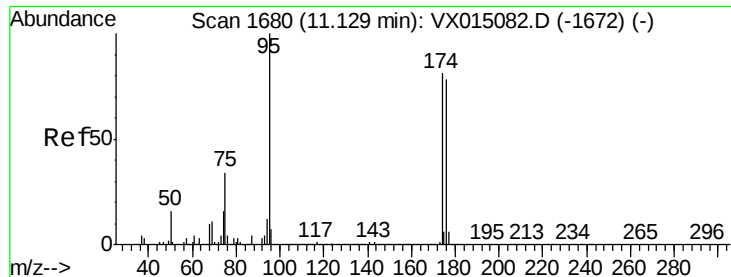


#59

2-Hexanone
 Concen: 26.163 ug/l
 RT: 9.43 min Scan# 1401
 Delta R.T. -0.05 min
 Lab File: VX015228.D
 Acq: 12 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.3	81.8#

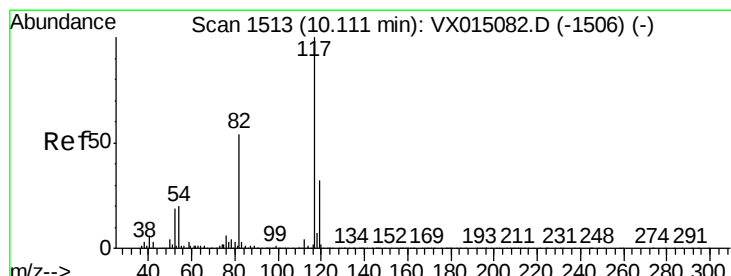
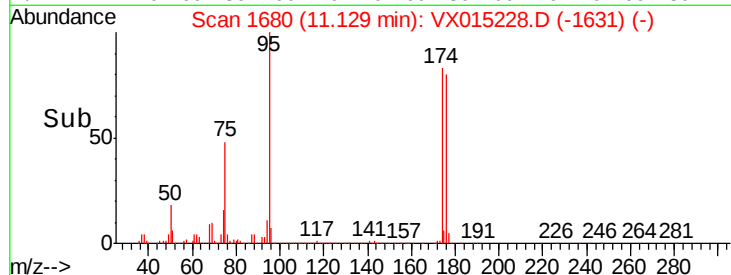
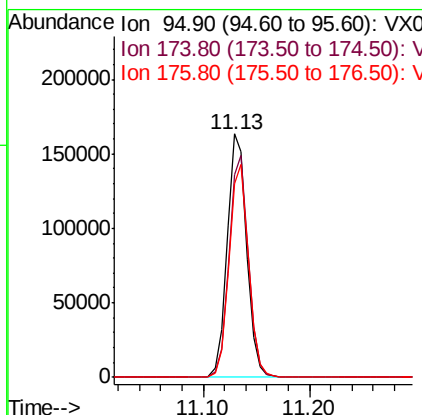
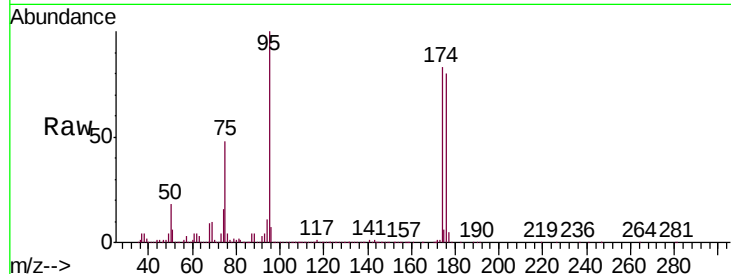




#62
4-Bromofluorobenzene
Concen: 53.983 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

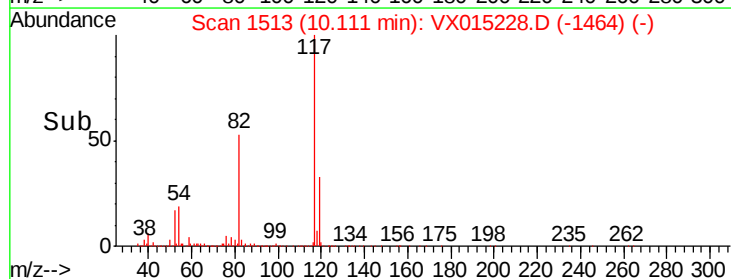
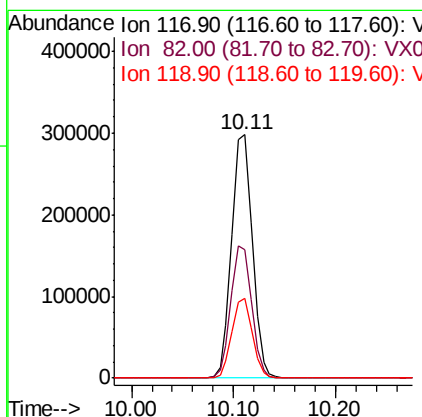
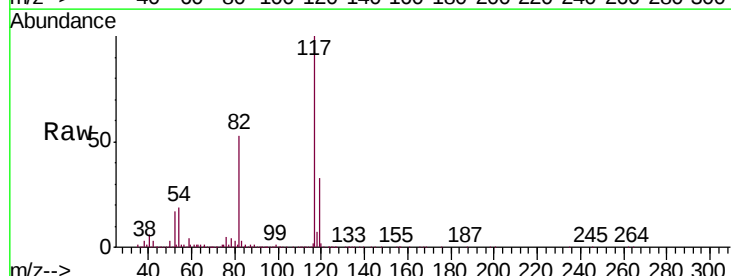
Instrument :
MSVOA_X
ClientSampleId :
CB-EC-21-S

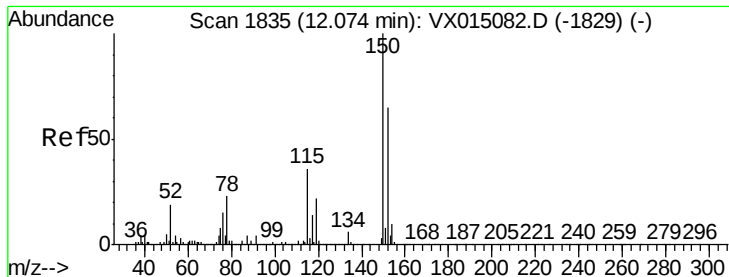
Tgt Ion: 95 Resp: 210014
Ion Ratio Lower Upper
95 100
174 90.6 0.0 177.6
176 87.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Tgt Ion: 117 Resp: 418495
Ion Ratio Lower Upper
117 100
82 52.7 43.3 64.9
119 33.0 25.8 38.8



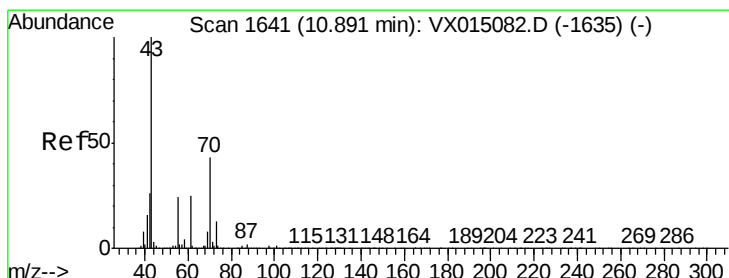
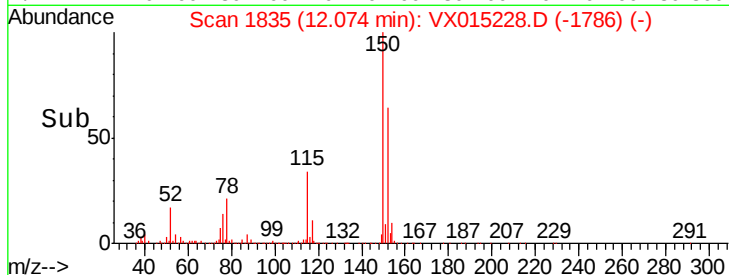
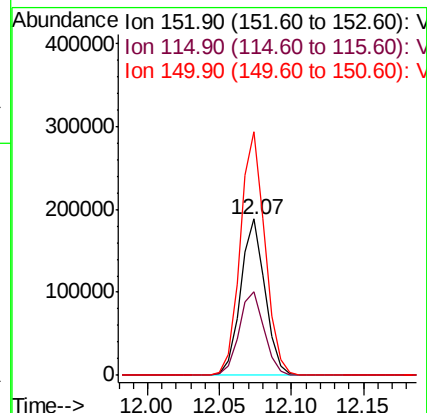
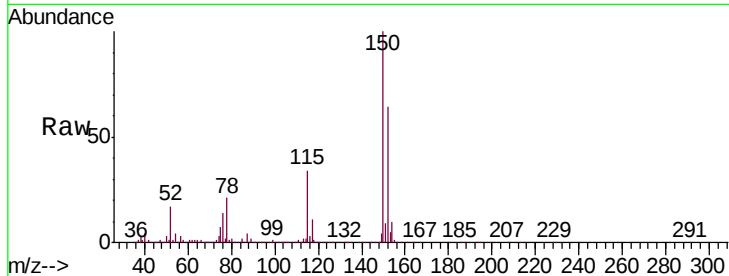


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :
CB-EC-21-S

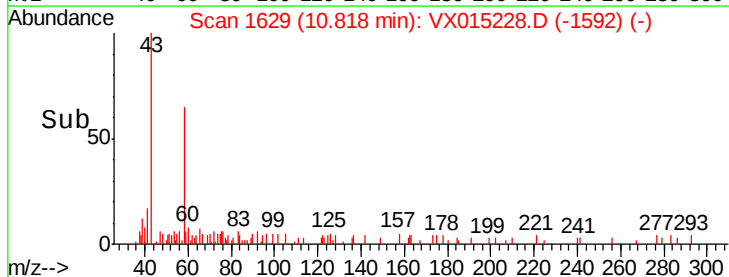
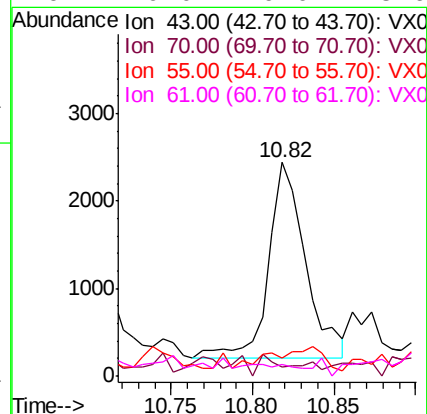
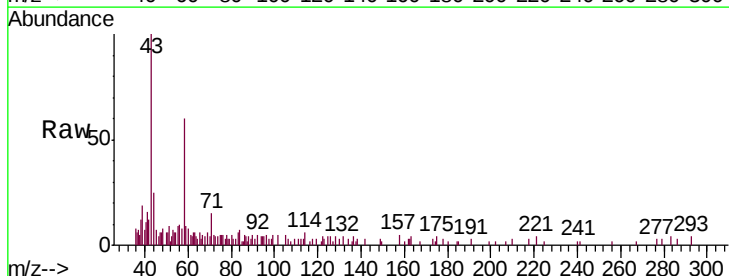
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.2	114.6
150	157.7	0.0	343.8

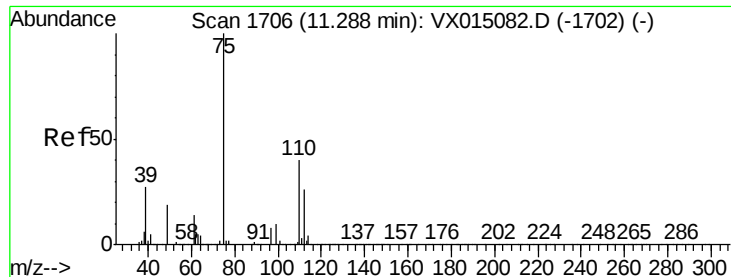


#74

N-ethyl acetate
Concen: 0.589 ug/l
RT: 10.82 min Scan# 1629
Delta R.T. -0.07 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	7.7	34.7	52.1#
55	3.5	19.4	29.0#
61	0.0	19.0	28.6#

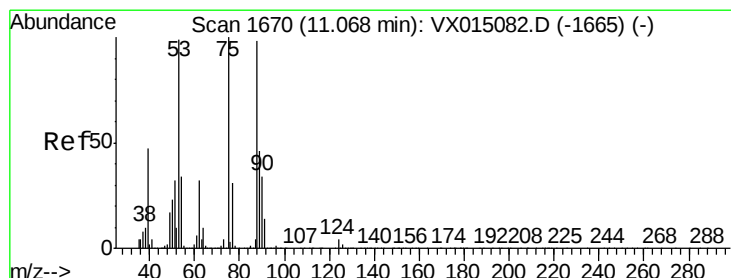
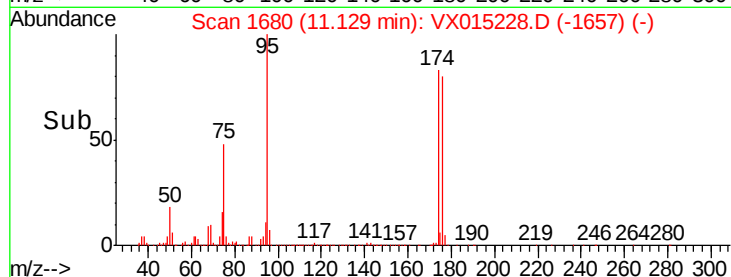
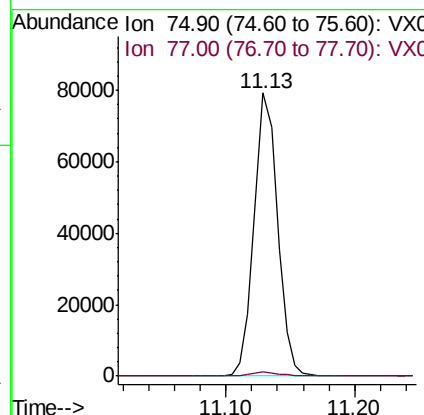
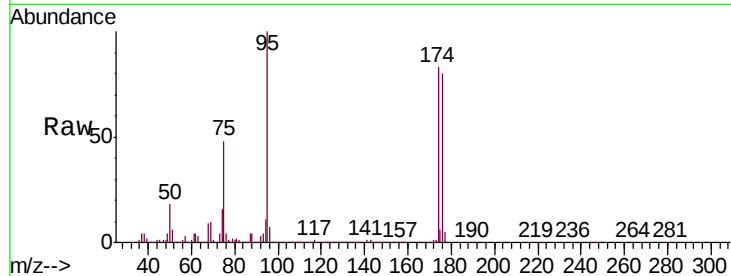




#76
 1,2,3-Trichloropropane
 Concen: 22.292 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015228.D
 Acq: 12 Mar 2020 11:32

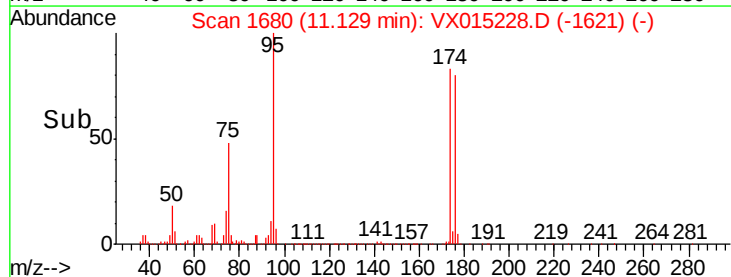
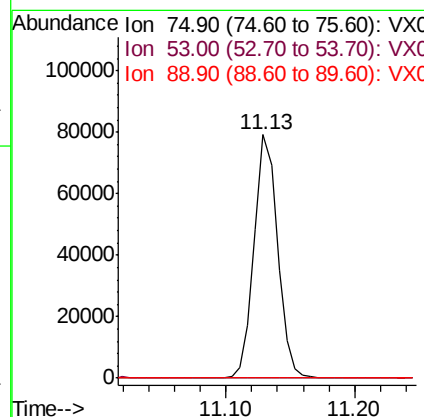
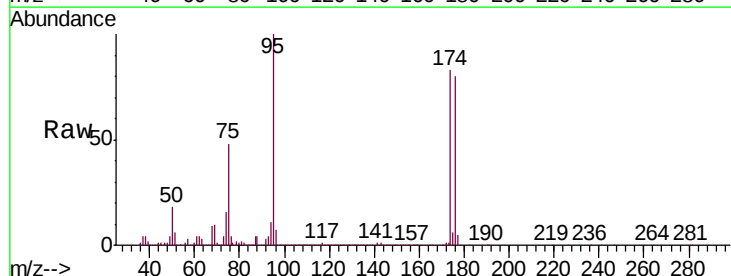
Instrument :
 MSVOA_X
 ClientSampleId :
 CB-EC-21-S

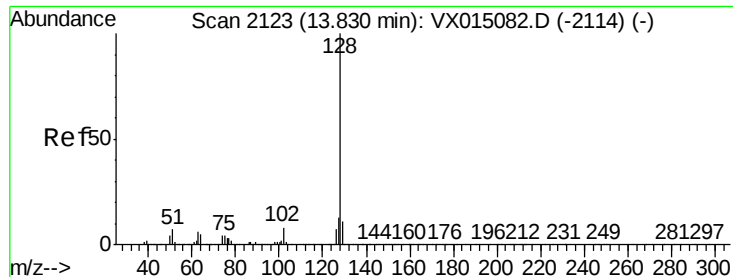
Tgt Ion: 75 Resp: 98795
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.264 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015228.D
 Acq: 12 Mar 2020 11:32

Tgt Ion: 75 Resp: 98795
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.9 116.9#
 89 0.0 36.2 54.2#





#95
Naphthalene
Concen: 1.488 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015228.D
Acq: 12 Mar 2020 11:32

Instrument :
MSVOA_X
ClientSampleId :
CB-EC-21-S

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	10.3	8.6	13.0

