

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042220\
 Data File : VX015846.D
 Acq On : 22 Apr 2020 17:01
 Operator : JC/SP
 Sample : L2363-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS037-200420

Quant Time: Apr 23 04:52:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	909416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1393346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1353056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	745692	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	506861	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	5.47	113	409098	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	8.70	98	1658074	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.12	95	701329	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	

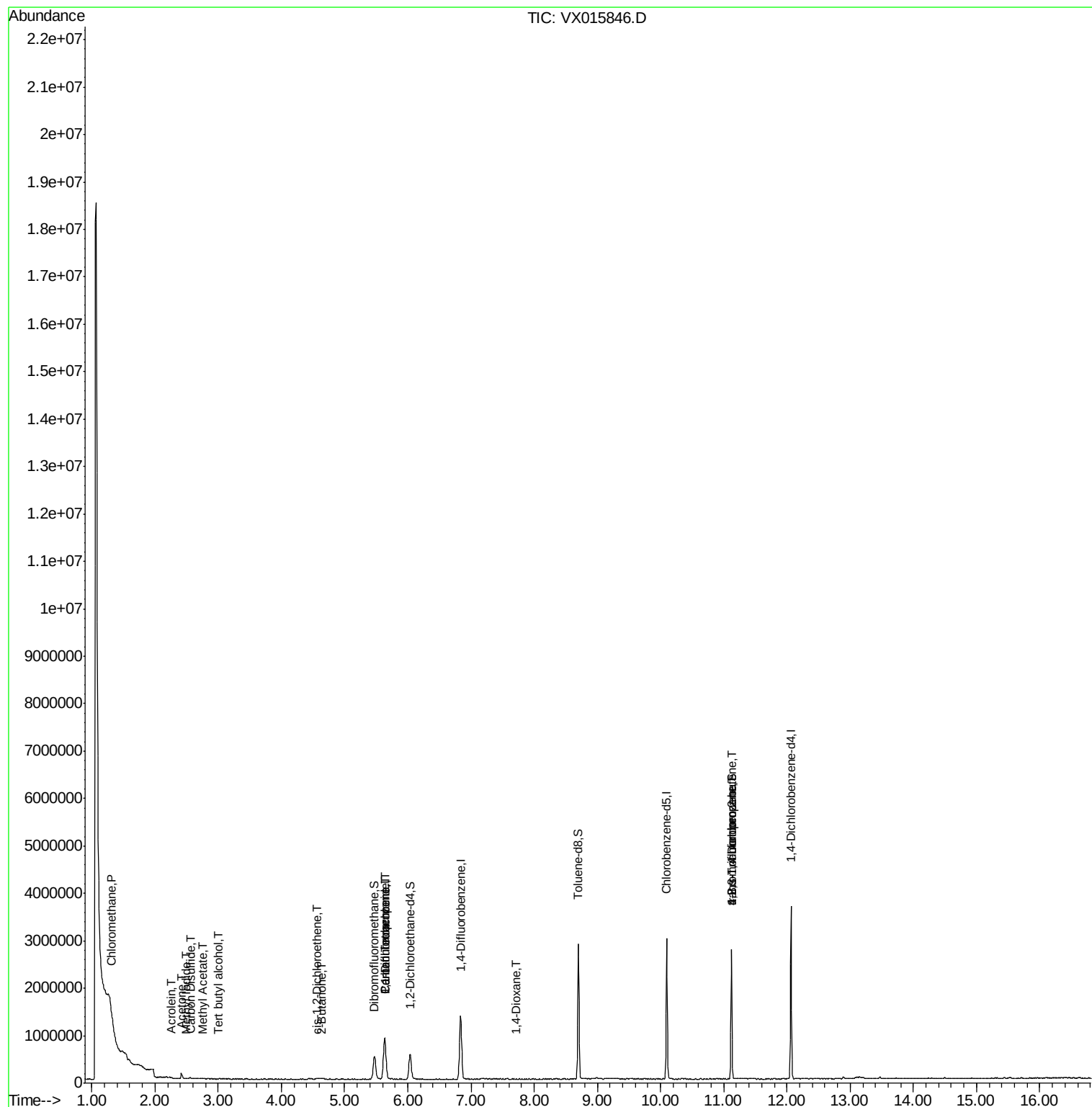
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4872	0.611	ug/l	96
10) Methyl Iodide	2.50	142	2414	0.252	ug/l #	86
11) Tert butyl alcohol	3.01	59	1487	0.704	ug/l #	43
13) Acrolein	2.27	56	1054	0.843	ug/l #	55
16) Acetone	2.42	43	124815	27.714	ug/l	99
17) Carbon Disulfide	2.55	76	26175	0.905	ug/l	100
18) Methyl Acetate	2.76	43	2977	0.200	ug/l #	79
25) 2-Butanone	4.65	43	20306	2.853	ug/l	94
27) cis-1,2-Dichloroethene	4.56	96	10413	1.038	ug/l	86
36) 1,1-Dichloropropene	5.64	75	60597	4.906	ug/l #	51
38) Carbon Tetrachloride	5.64	117	82023	6.741	ug/l #	17
49) 1,4-Dioxane	7.73	88	342	1.484	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	343154	24.200	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	343154	58.214	ug/l #	12

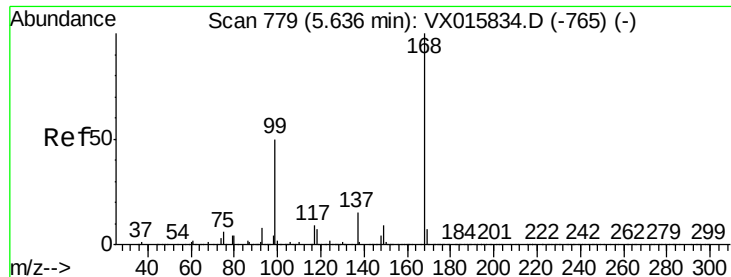
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

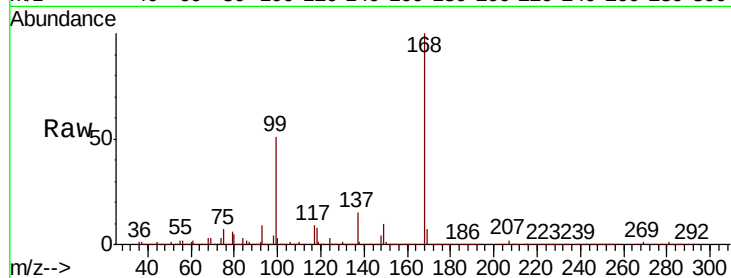
KY038PS037-200420

Tot Ion:168 Resp: 909416

Ion Ratio Lower Upper

168 100

99 51.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

300000

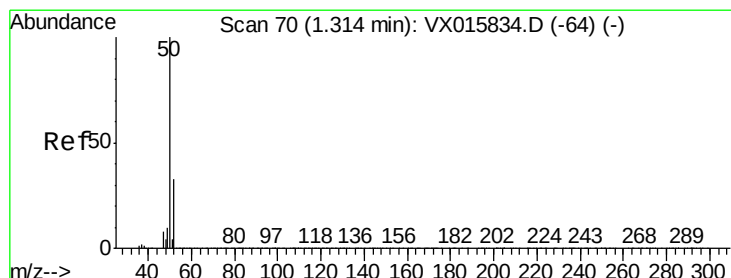
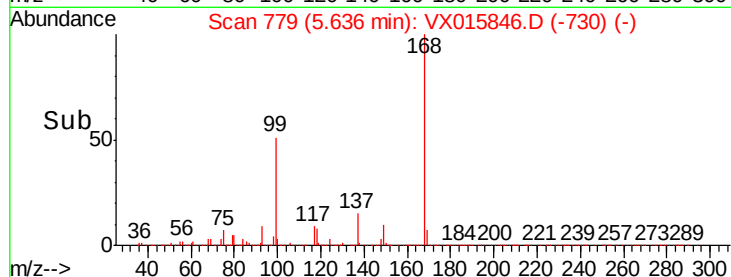
200000

100000

0

5.40 5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.611 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015846.D

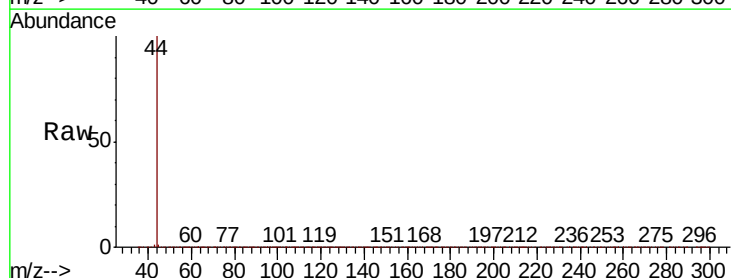
Acq: 22 Apr 2020 17:01

Tgt Ion: 50 Resp: 4872

Ion Ratio Lower Upper

50 100

52 30.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

5000

4000

3000

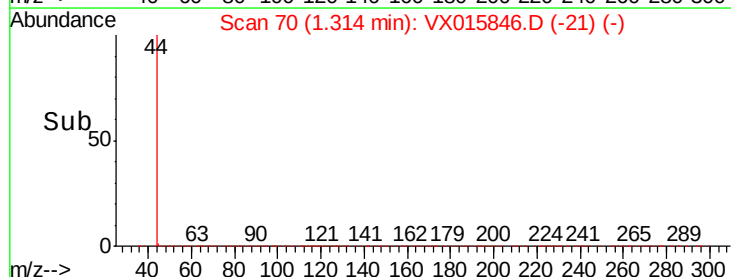
2000

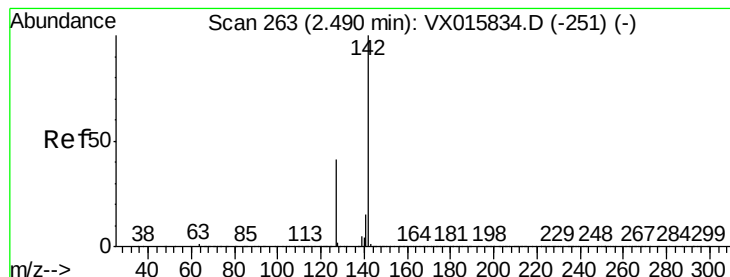
1000

0

1.30 1.35

Time-->





#10

Methyl Iodide

Concen: 0.252 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-200420

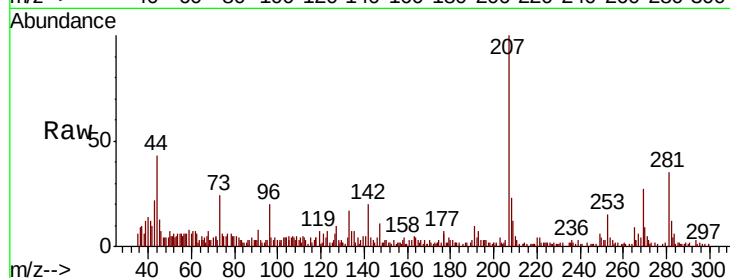
Tot Ion:142 Resp: 2414

Ion Ratio Lower Upper

142 100

127 46.8 33.3 49.9

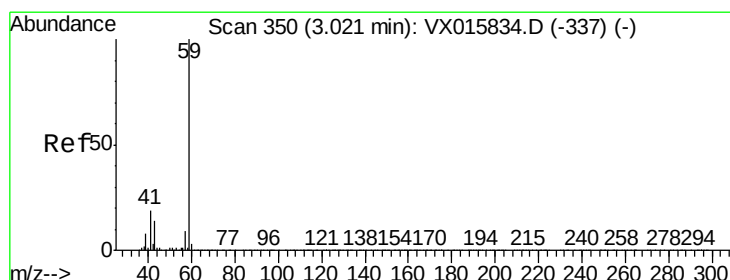
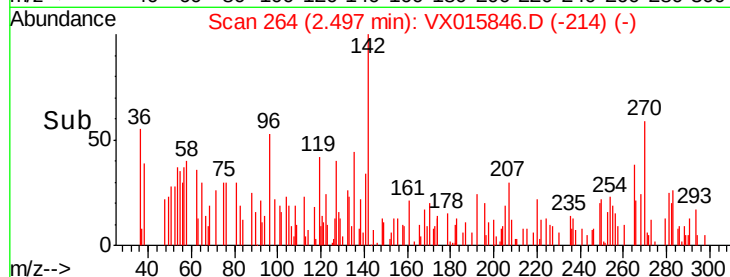
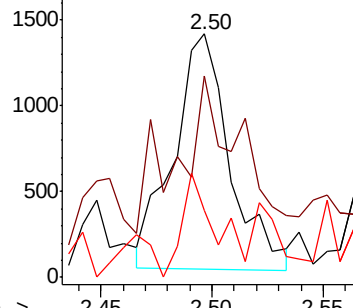
141 27.3 11.8 17.6#



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: 0.704 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX015846.D

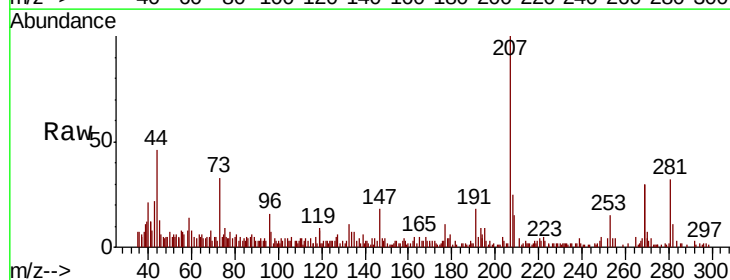
Acq: 22 Apr 2020 17:01

Tgt Ion: 59 Resp: 1487

Ion Ratio Lower Upper

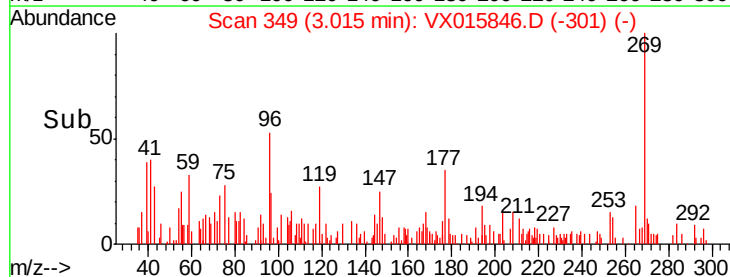
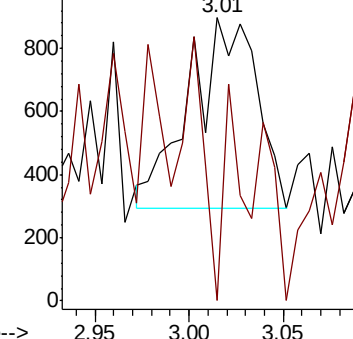
59 100

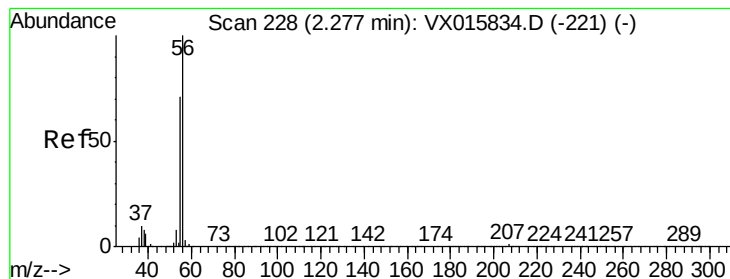
57 31.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.843 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

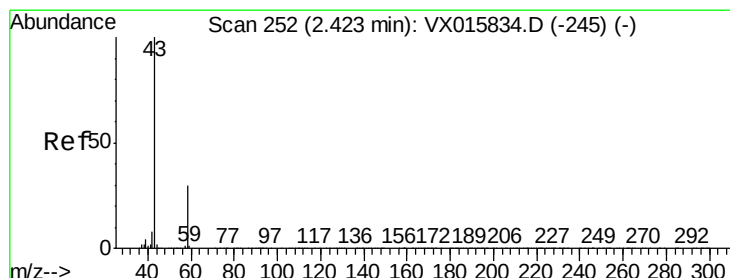
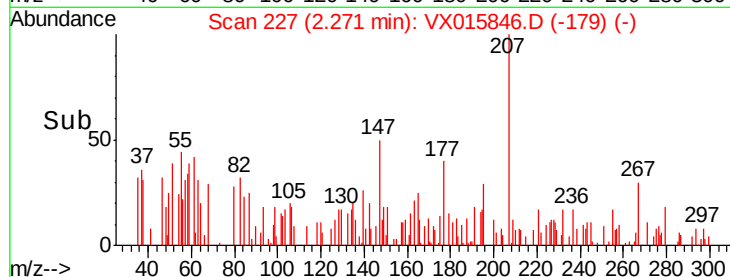
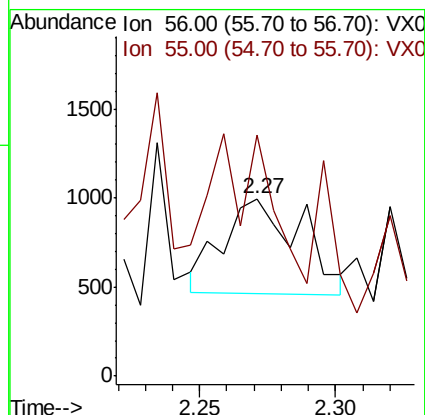
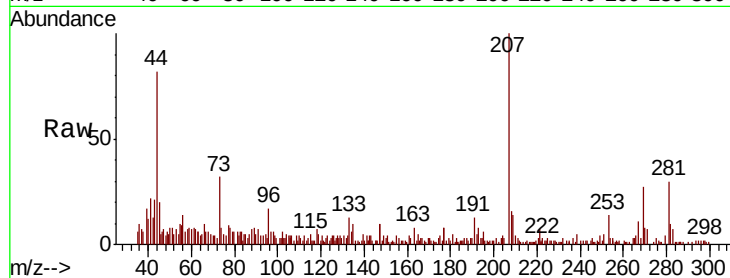
KY038PS037-200420

Tot Ion: 56 Resp: 1054

Ion Ratio Lower Upper

56 100

55 106.8 56.1 84.1#



#16

Acetone

Concen: 27.714 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.01 min

Lab File: VX015846.D

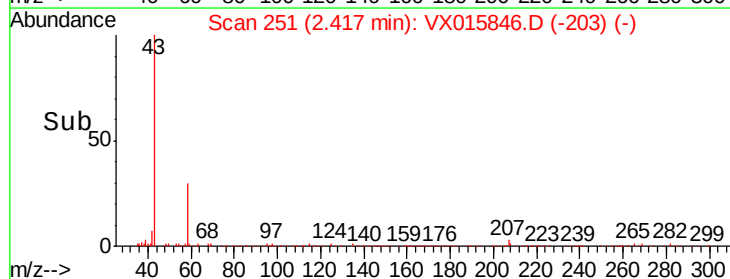
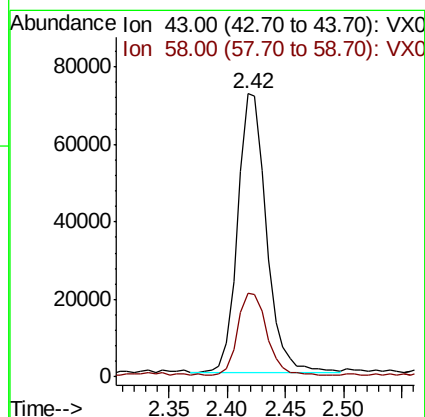
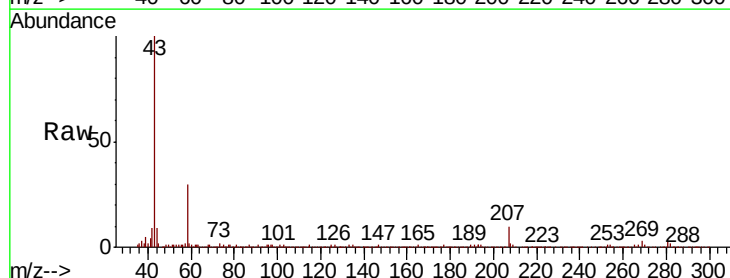
Acq: 22 Apr 2020 17:01

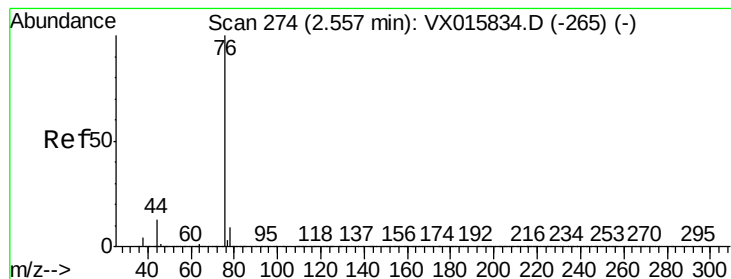
Tgt Ion: 43 Resp: 124815

Ion Ratio Lower Upper

43 100

58 29.5 24.0 36.0





#17

Carbon Disulfide

Concen: 0.905 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

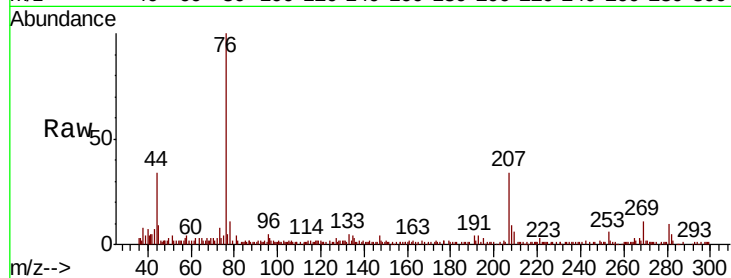
KY038PS037-200420

Tot Ion: 76 Resp: 26175

Ion Ratio Lower Upper

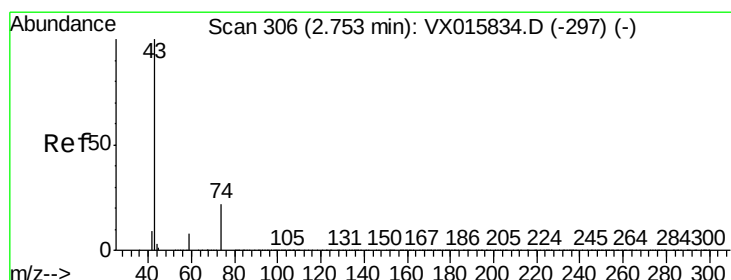
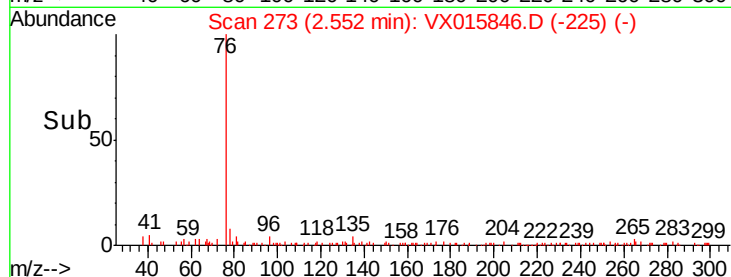
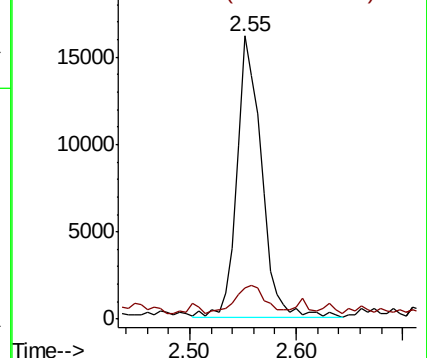
76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.200 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX015846.D

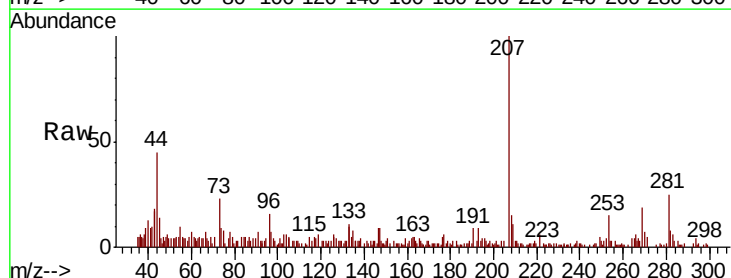
Acq: 22 Apr 2020 17:01

Tgt Ion: 43 Resp: 2977

Ion Ratio Lower Upper

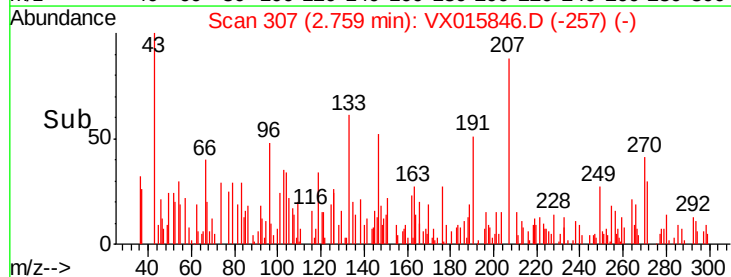
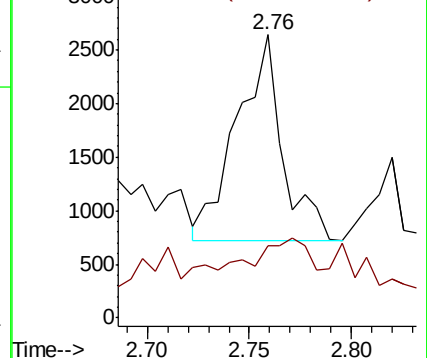
43 100

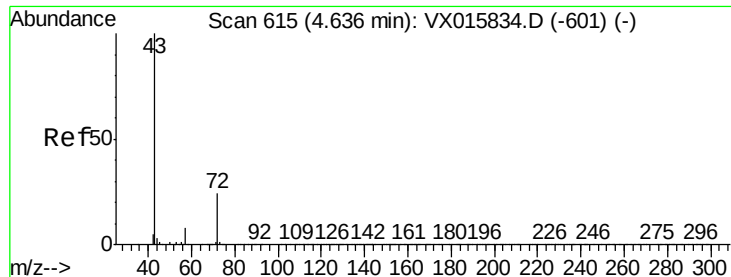
74 12.3 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

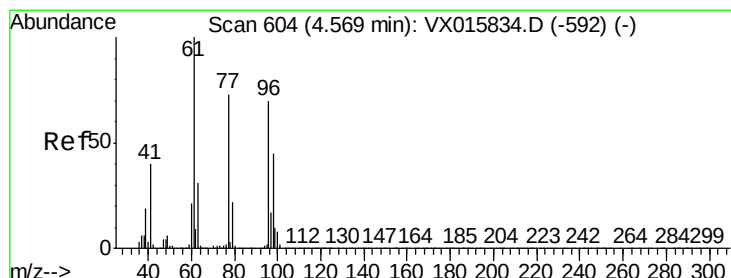
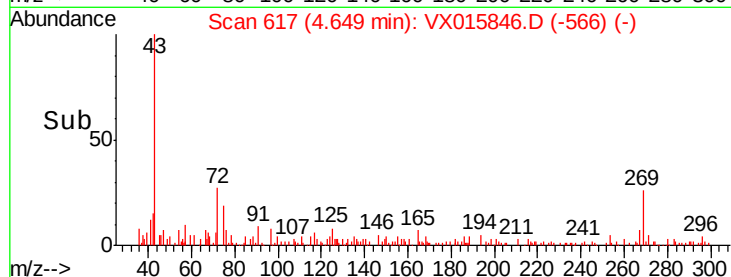
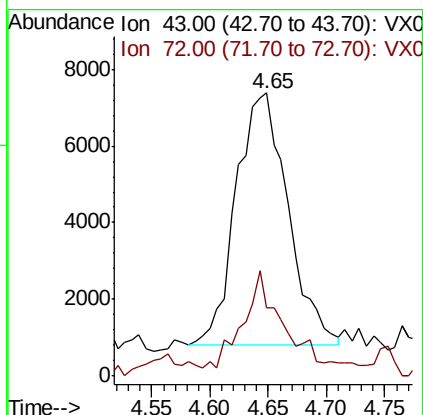
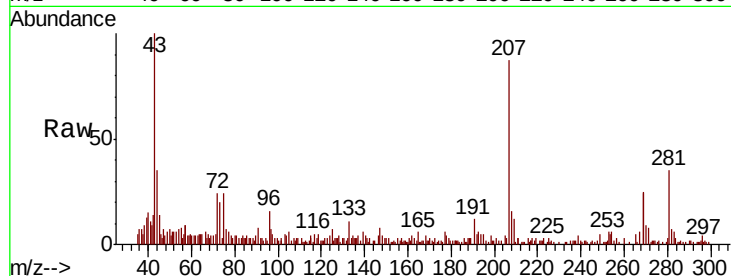




#25
2-Butanone
Concen: 2.853 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015846.D
Acq: 22 Apr 2020 17:01

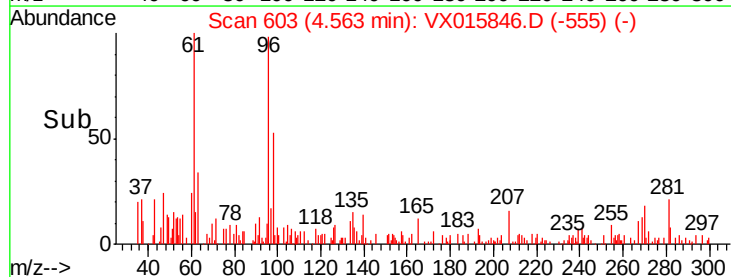
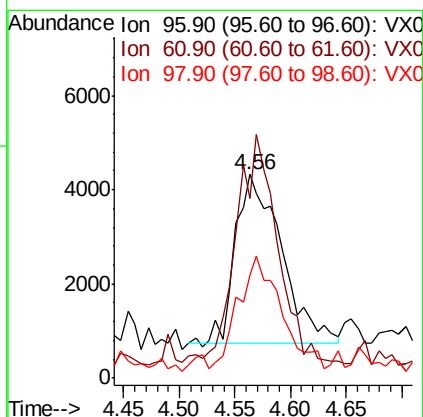
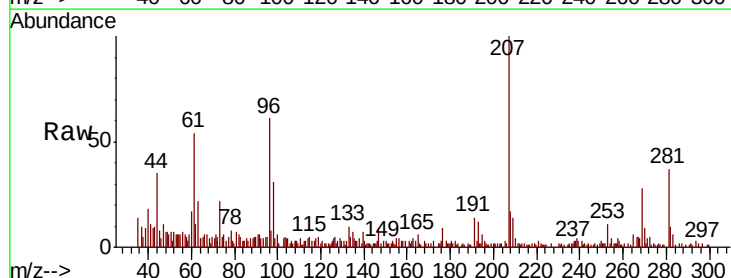
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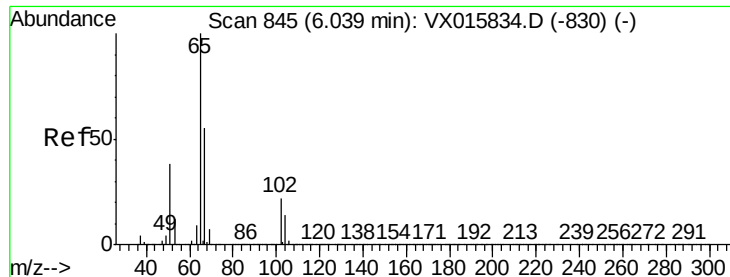
Tot Ion: 43 Resp: 20306
Ion Ratio Lower Upper
43 100
72 21.5 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 1.038 ug/l
RT: 4.56 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX015846.D
Acq: 22 Apr 2020 17:01

Tgt Ion: 96 Resp: 10413
Ion Ratio Lower Upper
96 100
61 125.6 0.0 299.4
98 63.1 0.0 129.6

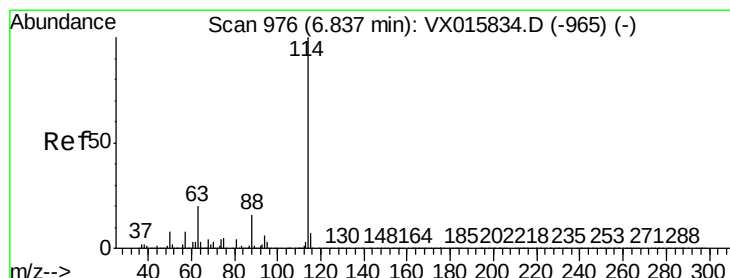
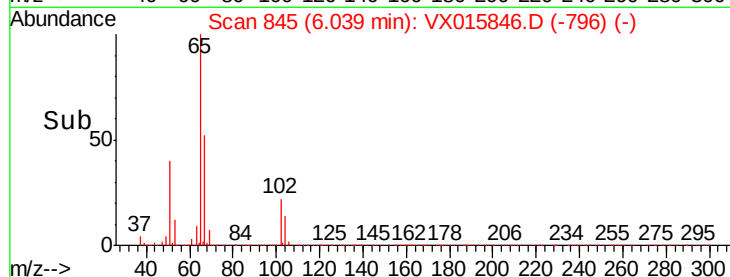
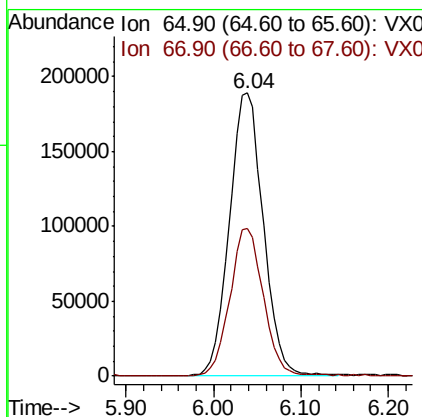
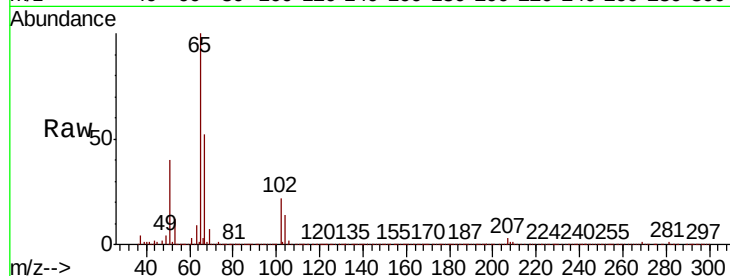




#33
 1,2-Dichloroethane-d4
 Concen: 49.004 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VX015846.D
 Acq: 22 Apr 2020 17:01

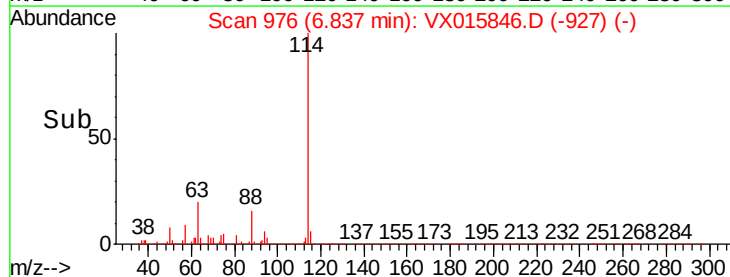
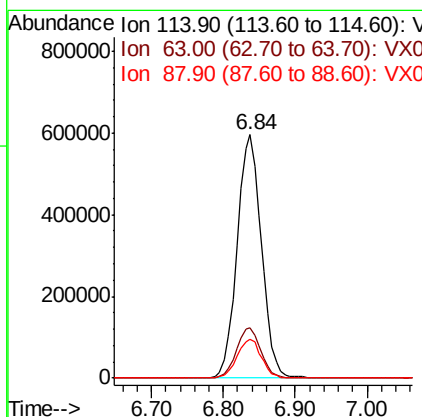
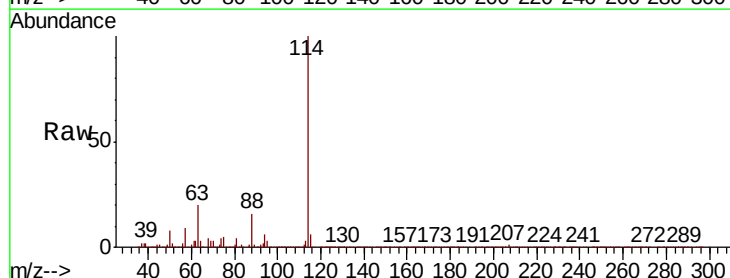
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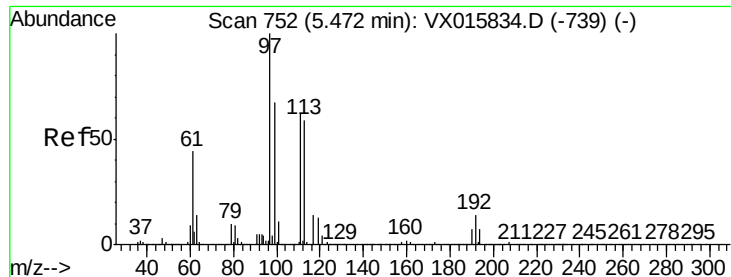
Tot Ion: 65 Resp: 506861
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015846.D
 Acq: 22 Apr 2020 17:01

Tgt Ion: 114 Resp: 1393346
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.6
 88 16.0 0.0 32.8

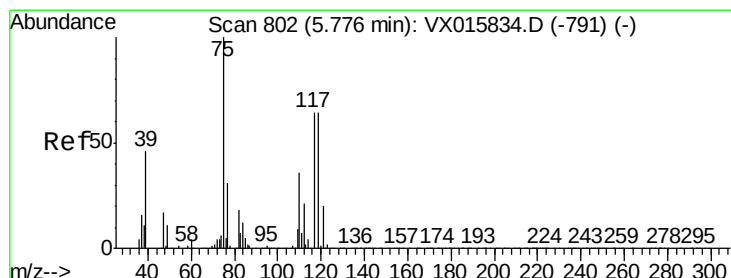
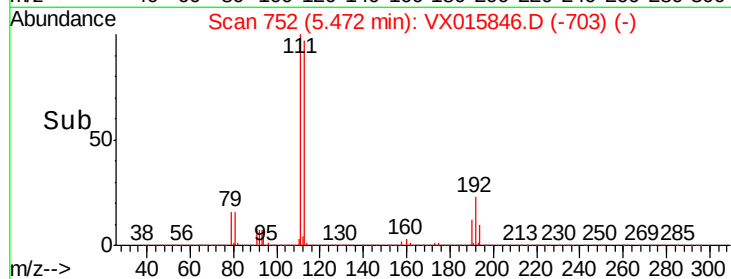
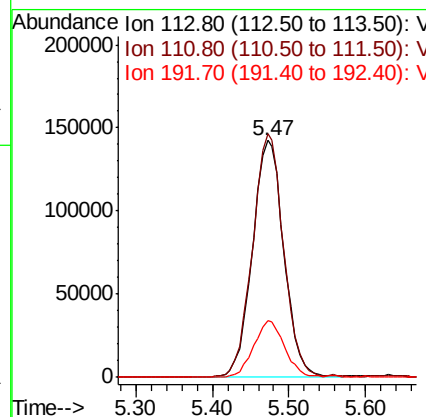
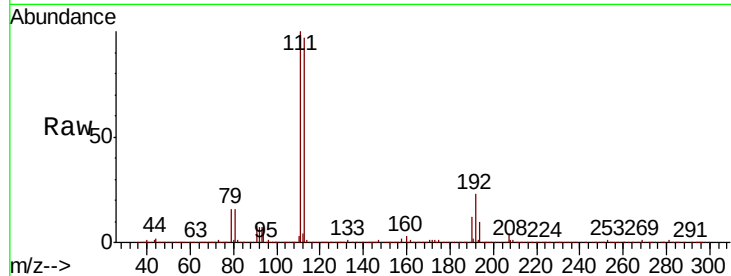




#35
Dibromofluoromethane
Concen: 50.866 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015846.D
Acq: 22 Apr 2020 17:01

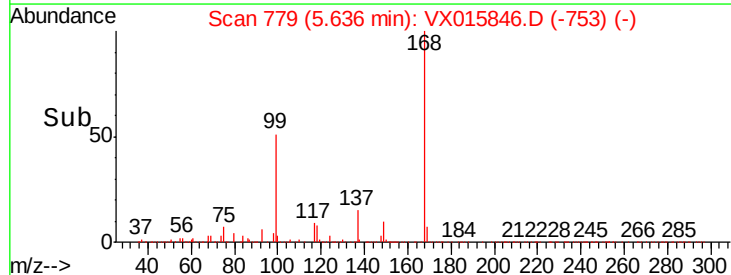
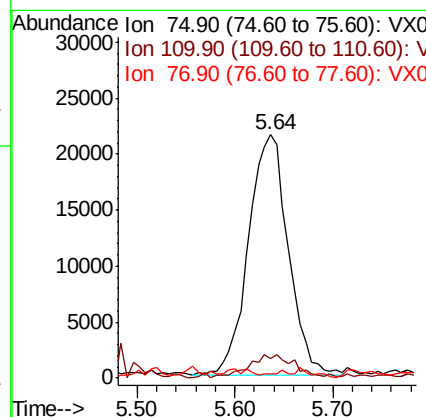
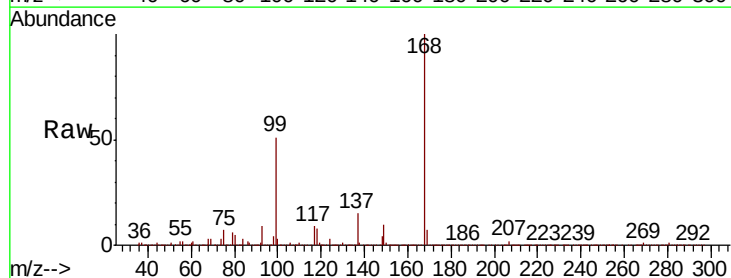
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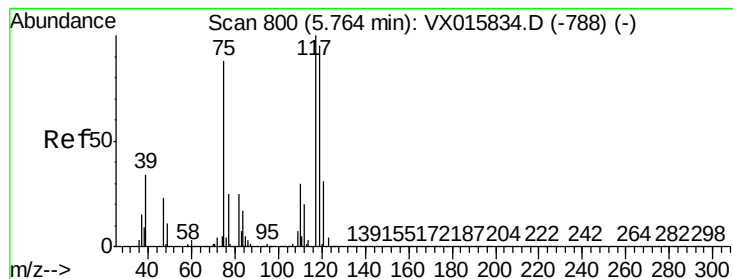
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.7	124.1
192	23.6	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.14 min
Lab File: VX015846.D
Acq: 22 Apr 2020 17:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.9	53.8#
77	0.4	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.741 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

KY038PS037-200420

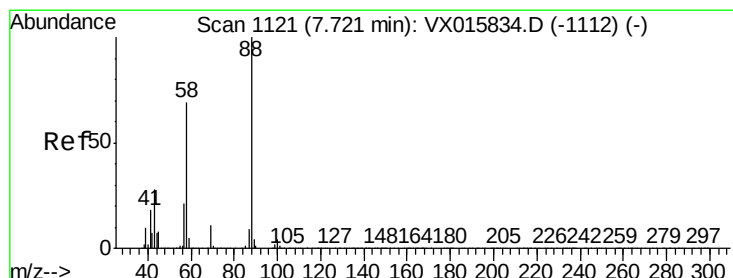
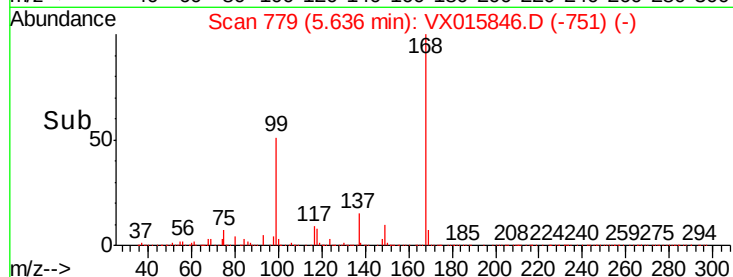
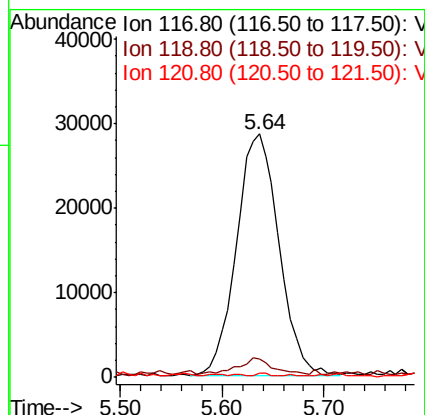
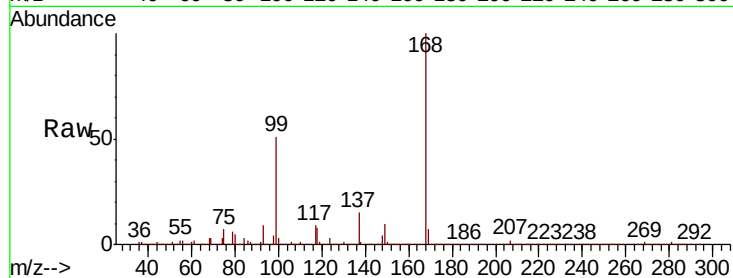
Tot Ion:117 Resp: 82023

Ion Ratio Lower Upper

117 100

119 6.1 75.7 113.5#

121 0.4 25.0 37.6#



#49

1,4-Dioxane

Concen: 1.484 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

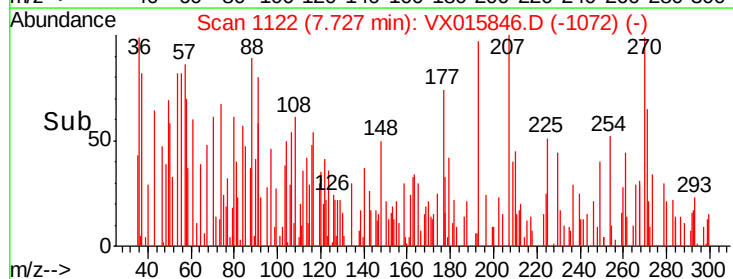
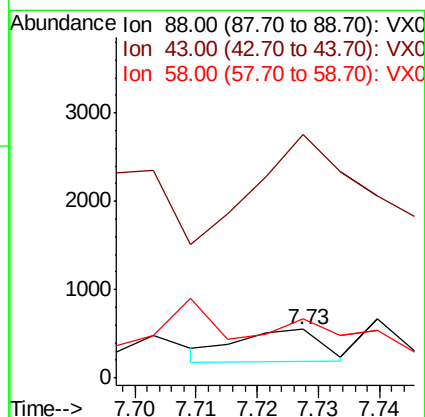
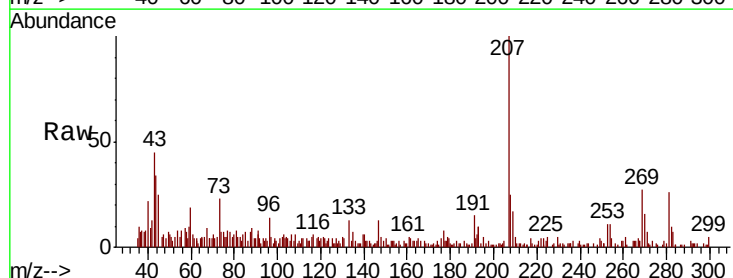
Tgt Ion: 88 Resp: 342

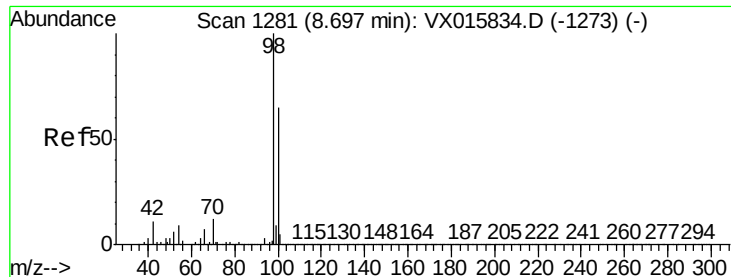
Ion Ratio Lower Upper

88 100

43 620.8 28.2 42.4#

58 0.0 58.9 88.3#





#50

Toluene-d8

Concen: 51.211 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

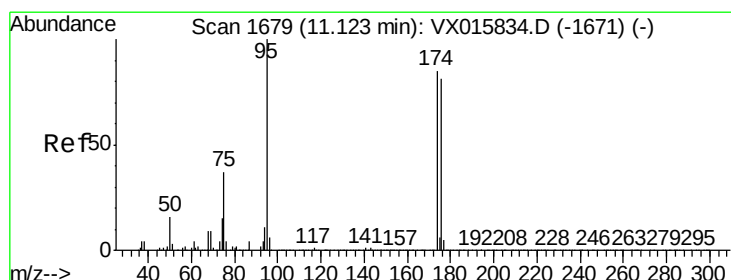
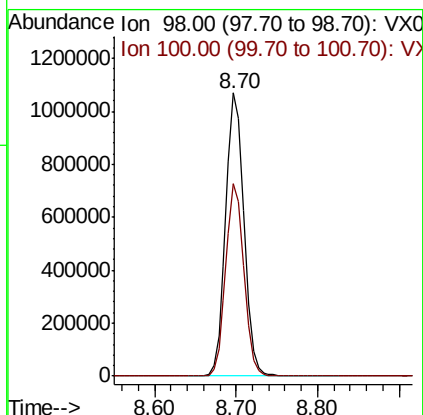
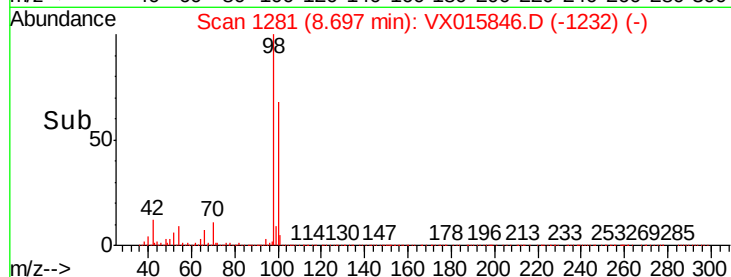
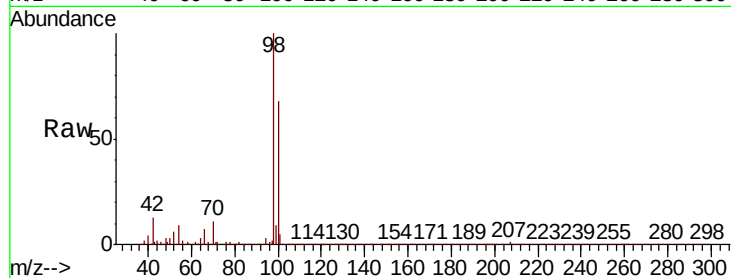
KY038PS037-200420

Tot Ion: 98 Resp: 1658074

Ion Ratio Lower Upper

98 100

100 67.2 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 52.803 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

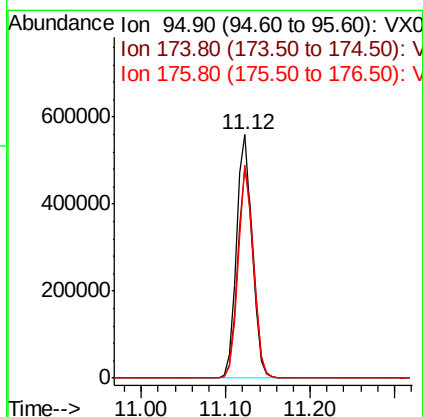
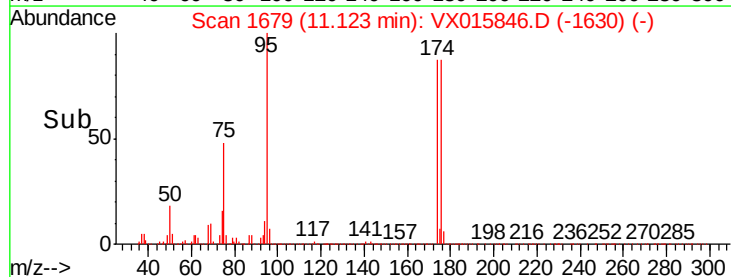
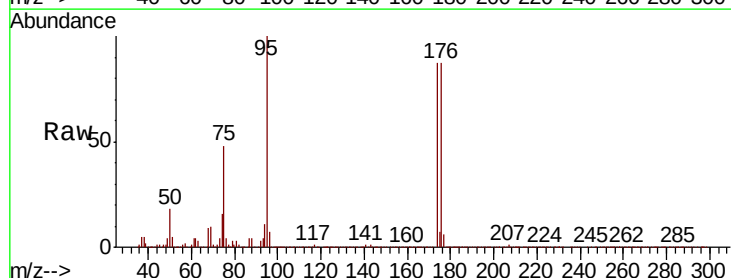
Tgt Ion: 95 Resp: 701329

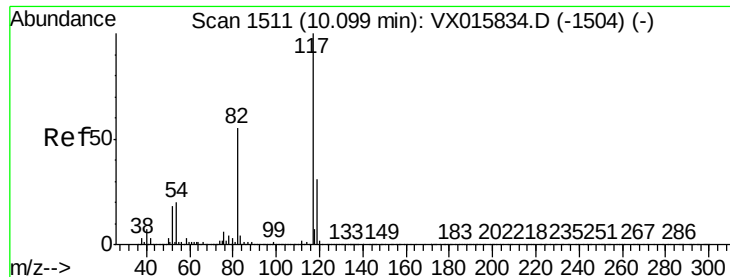
Ion Ratio Lower Upper

95 100

174 87.3 0.0 172.4

176 83.4 0.0 167.0

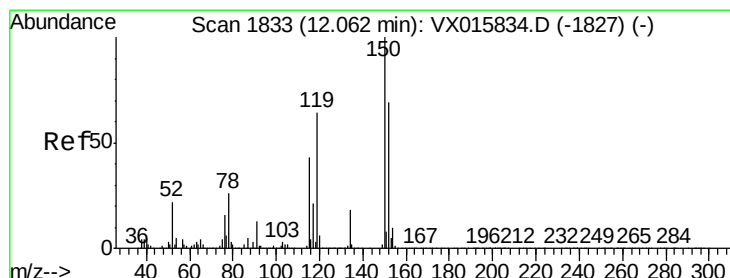
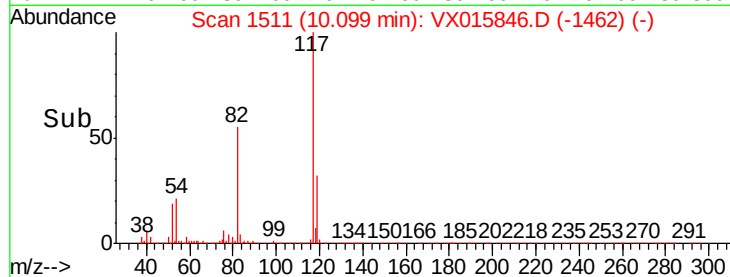
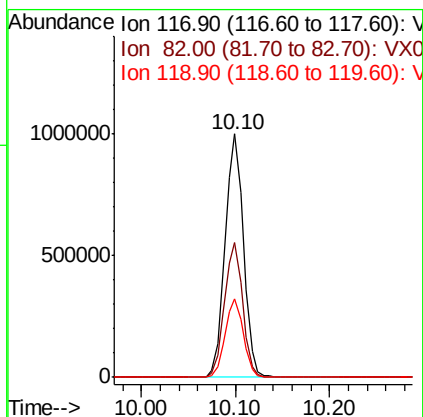
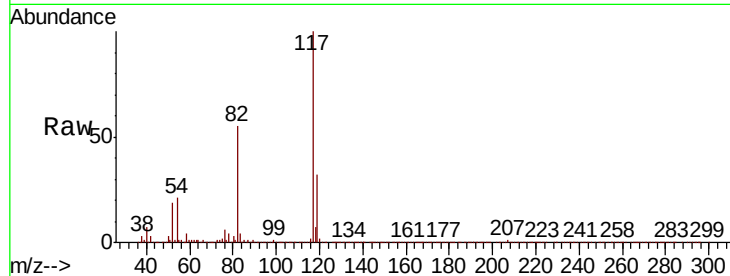




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015846.D
Acq: 22 Apr 2020 17:01

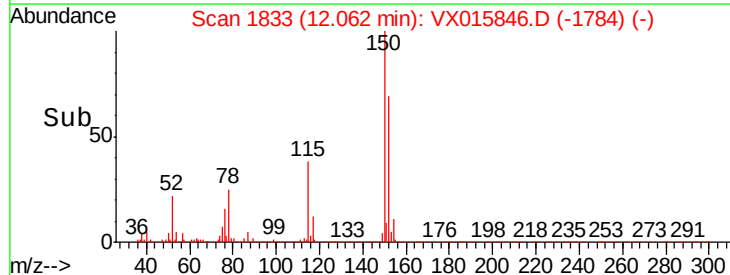
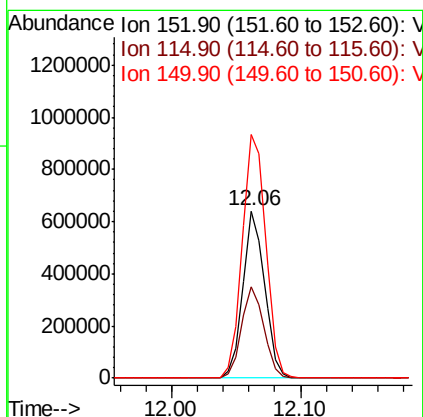
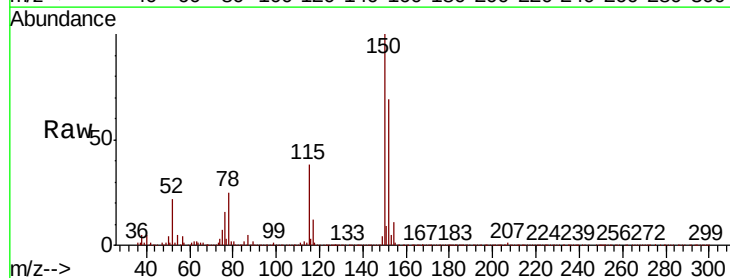
Instrument :
MSVOA_X
ClientSampleId :
KY038PS037-200420

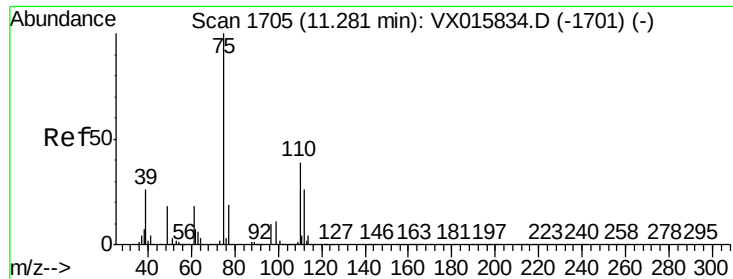
Tot Ion:117 Resp: 1353056
Ion Ratio Lower Upper
117 100
82 55.1 43.9 65.9
119 32.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015846.D
Acq: 22 Apr 2020 17:01

Tgt Ion:152 Resp: 745692
Ion Ratio Lower Upper
152 100
115 56.6 39.0 116.9
150 156.8 0.0 336.8





#76

1,2,3-Trichloropropane

Concen: 24.200 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Instrument :

MSVOA_X

ClientSampleId :

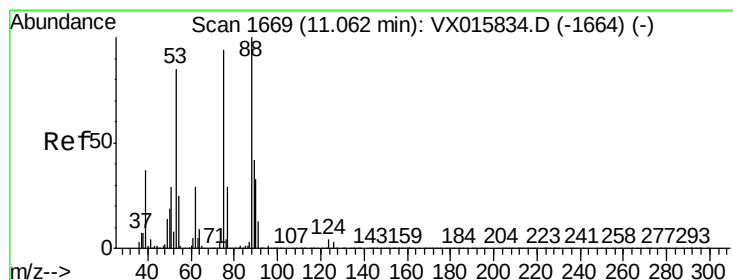
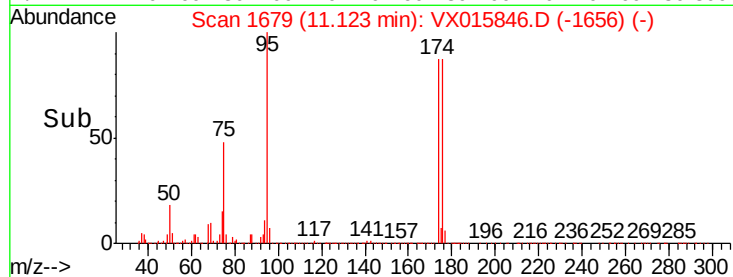
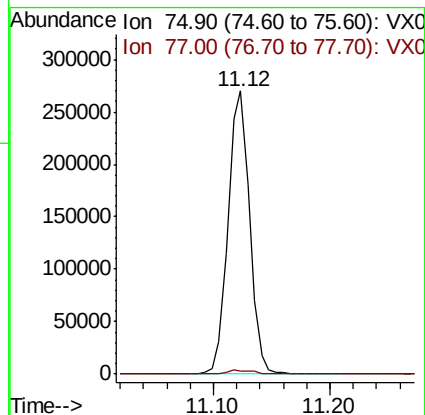
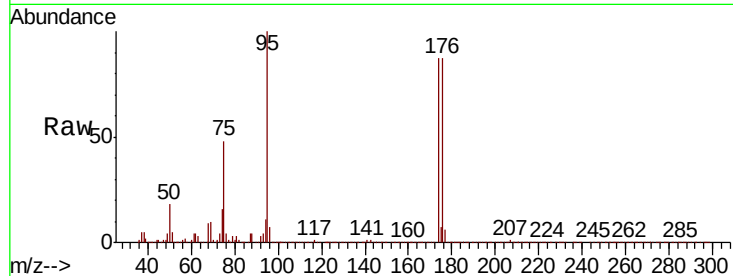
KY038PS037-200420

Tot Ion: 75 Resp: 343154

Ion Ratio Lower Upper

75 100

77 1.5 21.3 63.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.214 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015846.D

Acq: 22 Apr 2020 17:01

Tgt Ion: 75 Resp: 343154

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.2#

89 0.2 38.0 57.0#

