

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023384.D
 Acq On : 22 Jul 2021 19:23
 Operator : JC/MD
 Sample : PB137858TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858TB

Quant Time: Jul 23 06:09:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

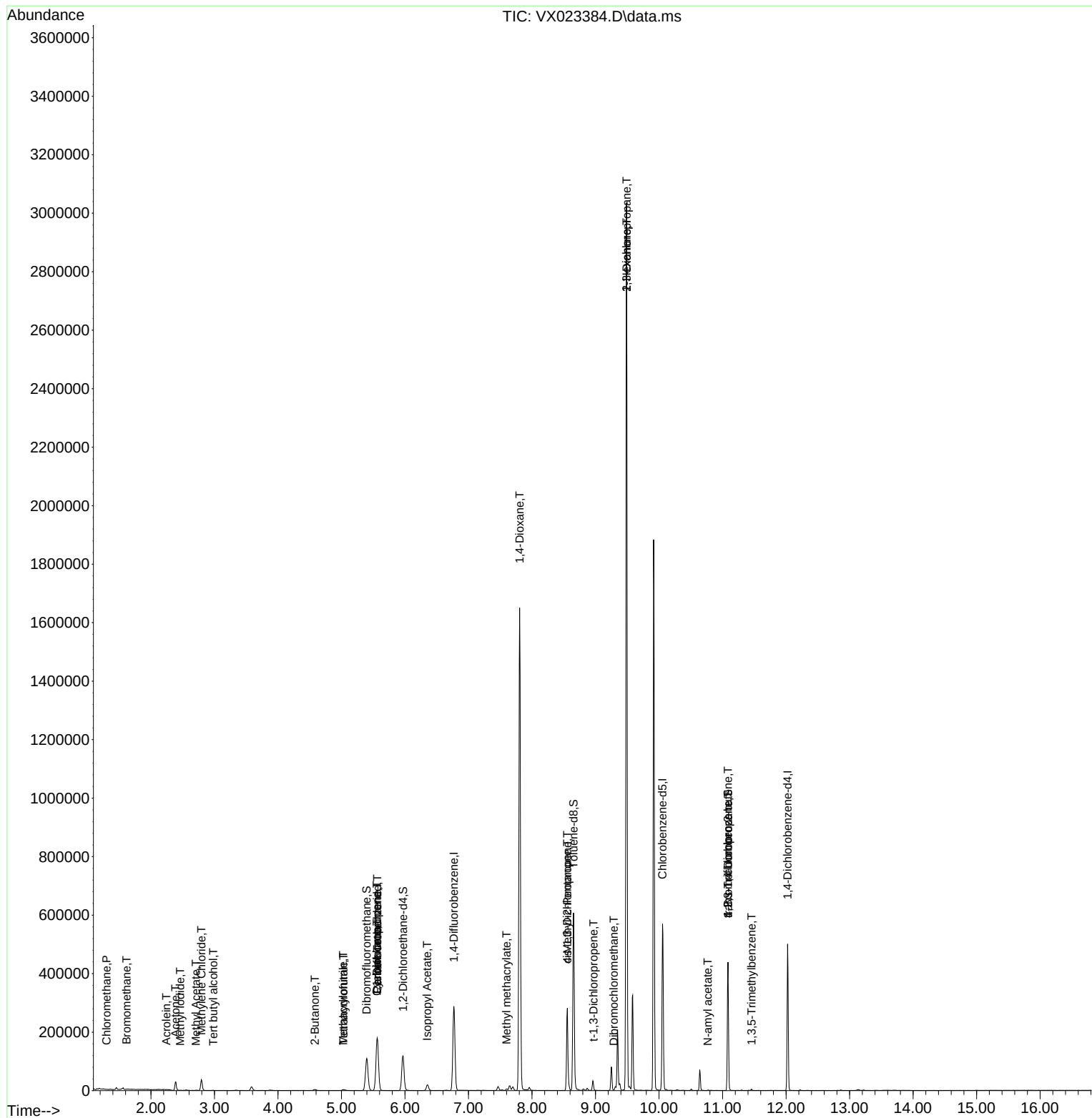
Internal Standards						
1) Pentafluorobenzene	5.562	168	176799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	298076	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	114594	51.960	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.920%			
35) Dibromofluoromethane	5.397	113	94218	50.554	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.100%			
50) Toluene-d8	8.653	98	353215	51.585	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.085	95	110656	47.525	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.060%			
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	502	0.265	ug/l	97
5) Bromomethane	1.617	94	591	0.519	ug/l	98
10) Methyl Iodide	2.459	142	504	0.230	ug/l #	77
11) Tert butyl alcohol	2.983	59	761	1.510	ug/l #	73
13) Acrolein	2.239	56	265	2.393	ug/l	90
16) Acetone	2.386	43	31480	29.098	ug/l	95
18) Methyl Acetate	2.709	43	1395	0.542	ug/l #	78
20) Methylene Chloride	2.794	84	16186	7.692	ug/l	92
25) 2-Butanone	4.580	43	7131	4.246	ug/l #	86
29) Tetrahydrofuran	5.031	42	3083	2.800	ug/l	91
31) Cyclohexane	5.556	56	3759	1.151	ug/l #	9
36) 1,1-Dichloropropene	5.556	75	12771	4.736	ug/l #	50
38) Carbon Tetrachloride	5.562	117	17817	6.497	ug/l #	15
41) Methacrylonitrile	5.025	41	1987	1.107	ug/l #	34
43) Isopropyl Acetate	6.348	43	27237	5.170	ug/l	94
48) Methyl methacrylate	7.598	41	6787	2.782	ug/l #	10
49) 1,4-Dioxane	7.805	88	186	3.580	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	96352	29.902	ug/l #	45
53) t-1,3-Dichloropropene	8.970	75	24	1.824	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	42407	13.158	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	25145	7.378	ug/l #	43
59) 2-Hexanone	9.488	43	357178	145.972	ug/l #	44
60) Dibromochloromethane	9.287	129	26	1.994	ug/l #	11
74) N-amyl acetate	10.768	43	1050	0.301	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	56812	25.510	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1937	0.311	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	56812	68.593	ug/l #	12

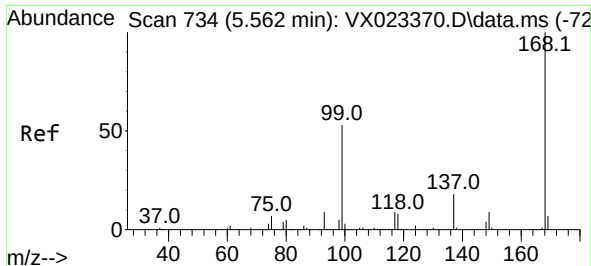
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 23 06:09:25 2021
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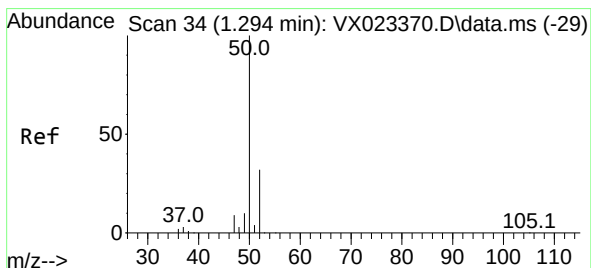
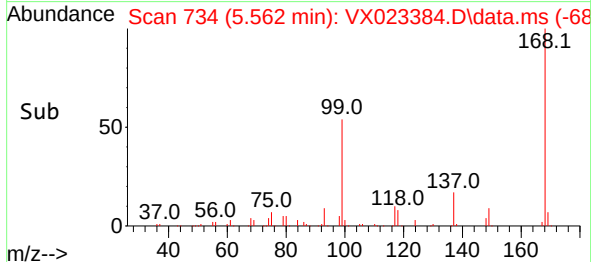
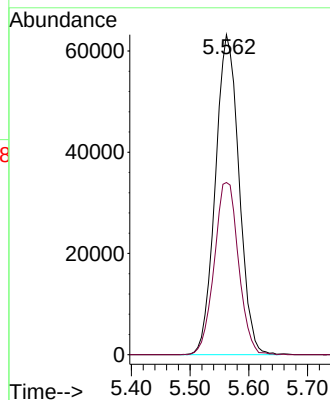
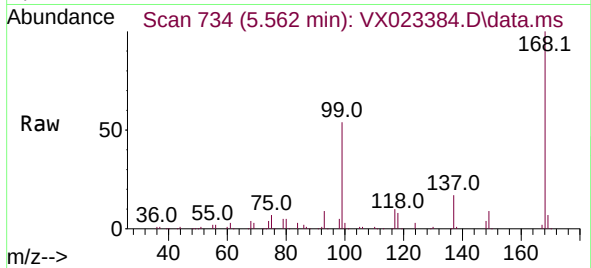




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

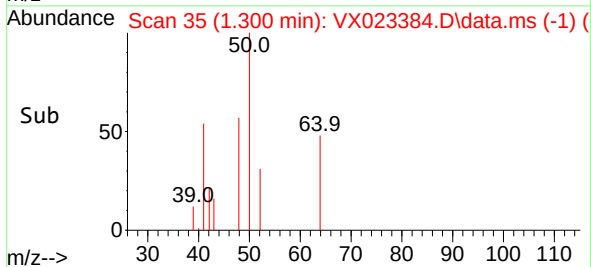
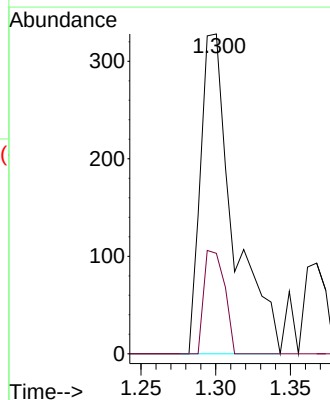
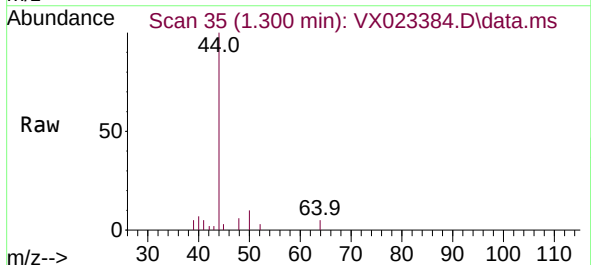
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

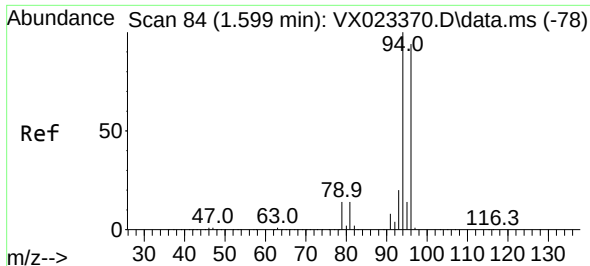
Tgt Ion:168 Resp: 176799
Ion Ratio Lower Upper
168 100
99 53.8 45.8 68.6



#3
Chloromethane
Concen: 0.265 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 31.4 26.4 39.6

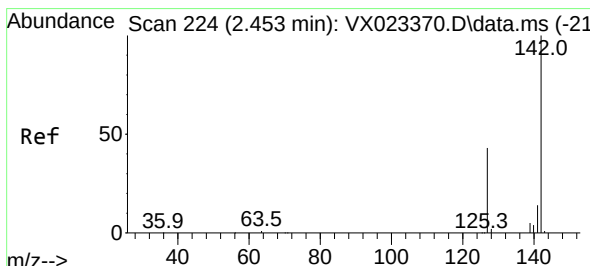
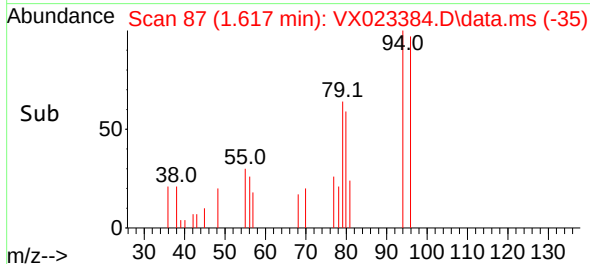
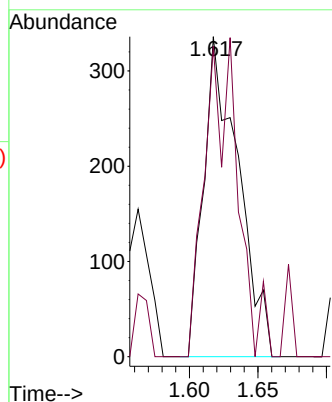
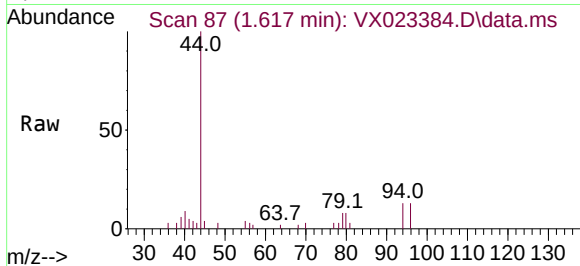




#5
Bromomethane
Concen: 0.519 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

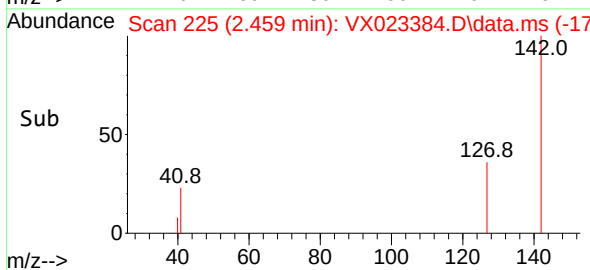
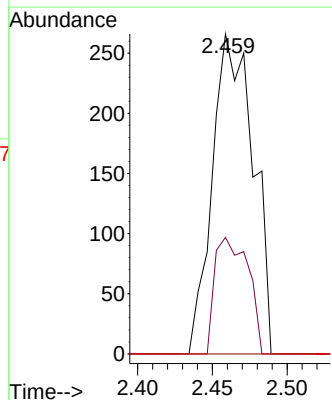
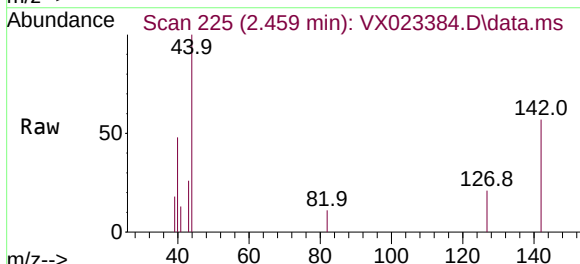
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

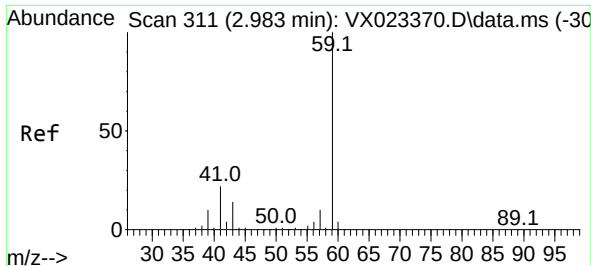
Tgt Ion: 94 Resp: 591
Ion Ratio Lower Upper
94 100
96 97.0 76.4 114.6



#10
Methyl Iodide
Concen: 0.230 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

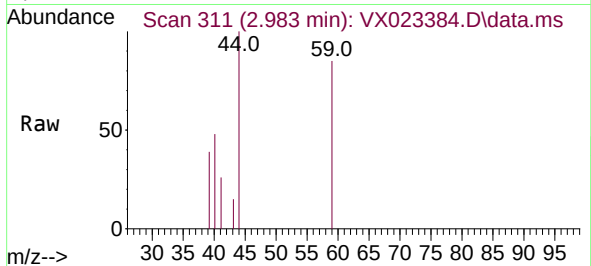
Tgt Ion: 142 Resp: 504
Ion Ratio Lower Upper
142 100
127 29.8 33.3 49.9#
141 0.0 11.4 17.0#



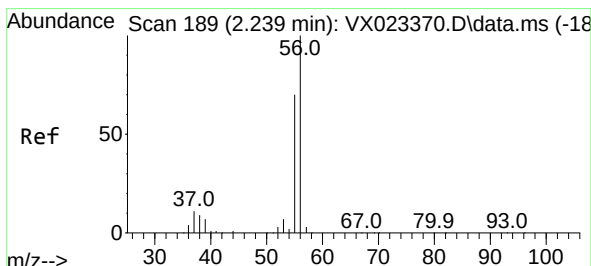
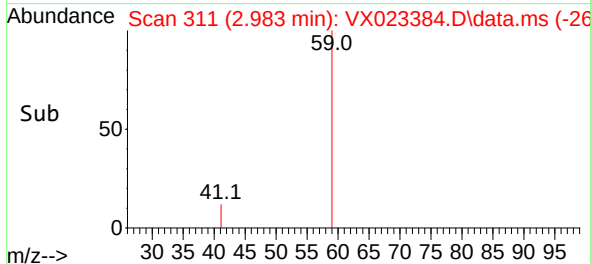
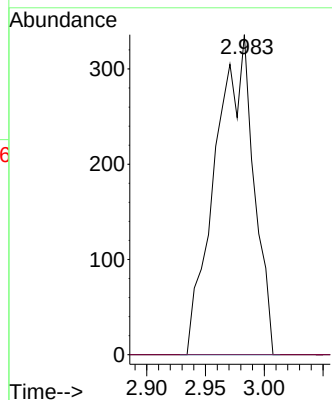


#11
Tert butyl alcohol
Concen: 1.510 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

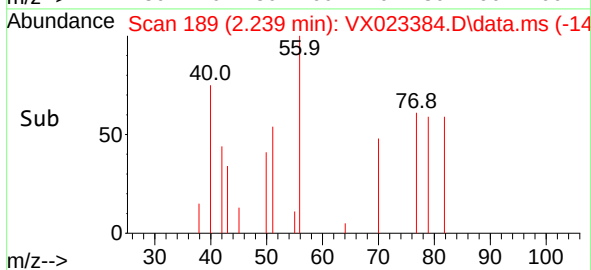
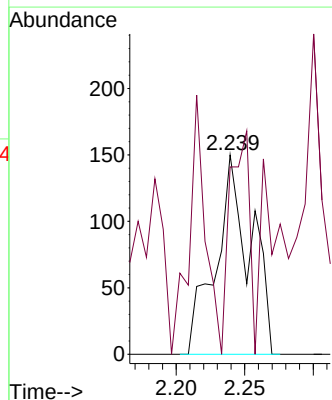
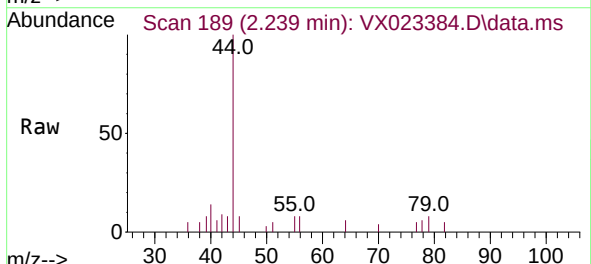


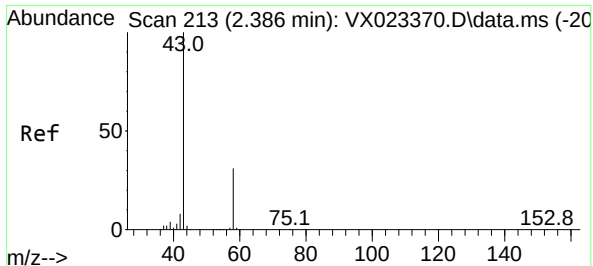
Tgt Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 2.393 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion: 56 Resp: 265
Ion Ratio Lower Upper
56 100
55 62.3 56.4 84.6

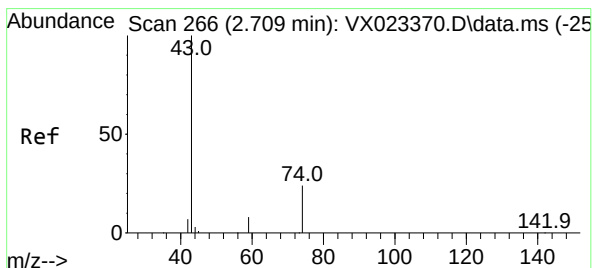
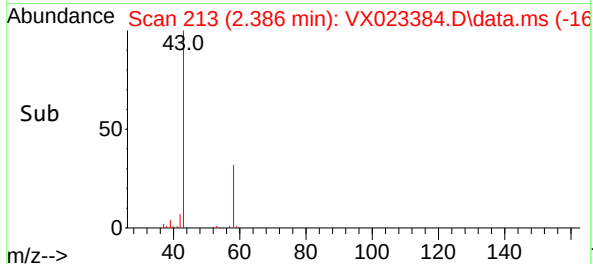
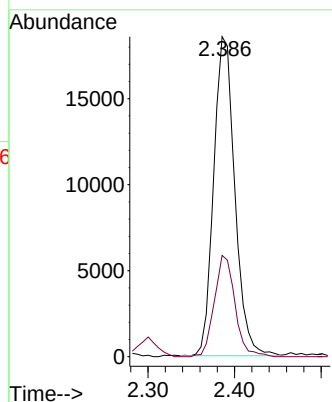
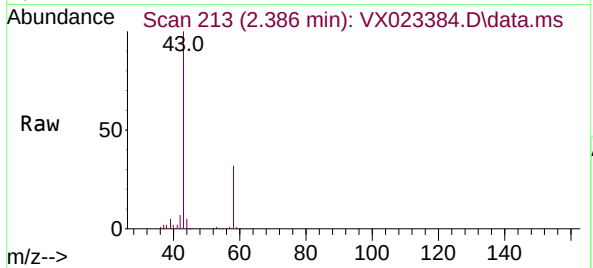




#16
Acetone
Concen: 29.098 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

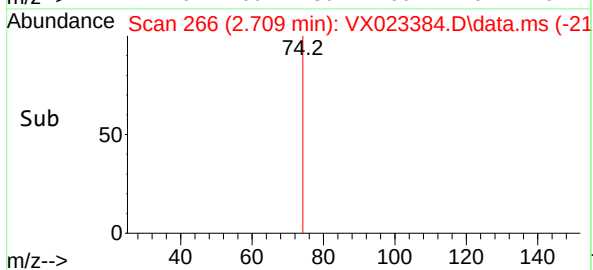
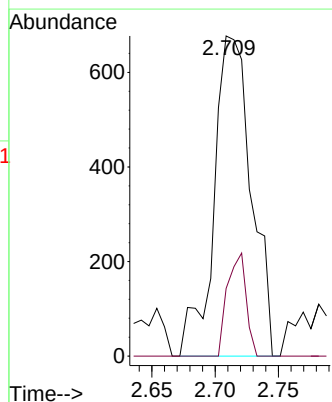
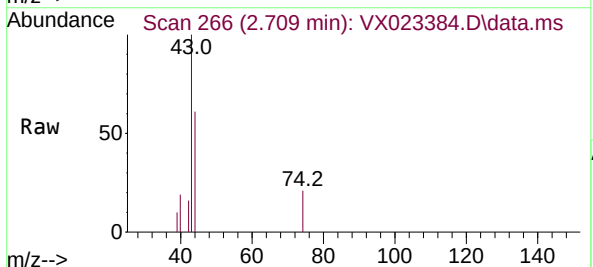
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

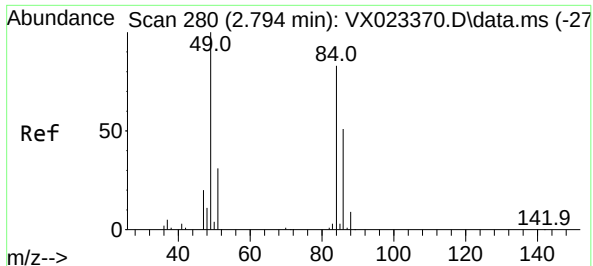
Tgt Ion: 43 Resp: 31480
Ion Ratio Lower Upper
43 100
58 31.7 27.8 41.8



#18
Methyl Acetate
Concen: 0.542 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
74 16.1 21.9 32.9#





#20

Methylene Chloride

Concen: 7.692 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX023384.D

Acq: 22 Jul 2021 19:23

Instrument :

MSVOA_X

ClientSampleId :

PB137858TB

Tgt Ion: 84 Resp: 16186

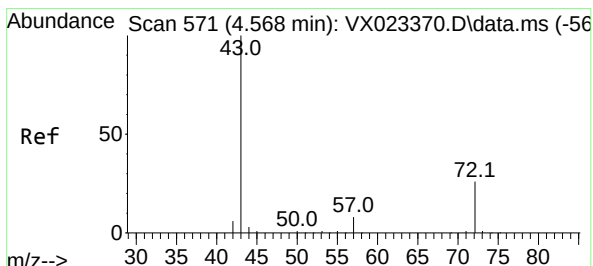
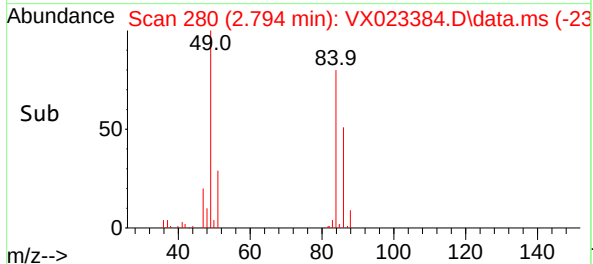
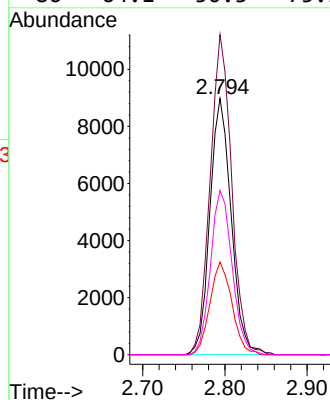
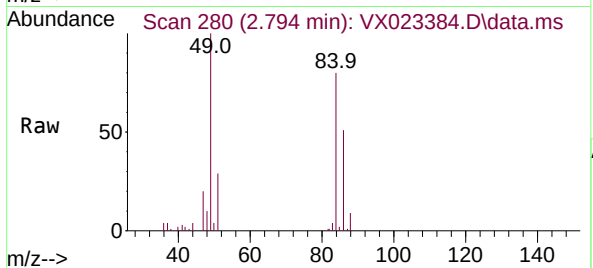
Ion Ratio Lower Upper

84 100

49 124.9 88.6 132.8

51 36.2 27.0 40.6

86 64.1 50.3 75.5



#25

2-Butanone

Concen: 4.246 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX023384.D

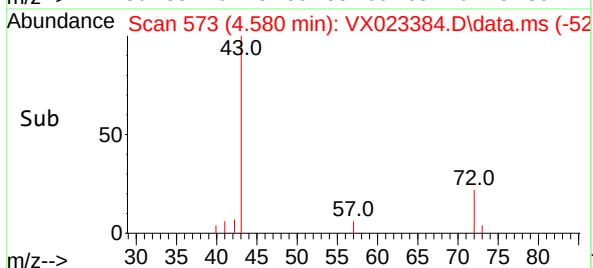
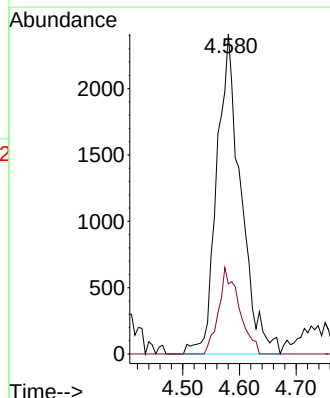
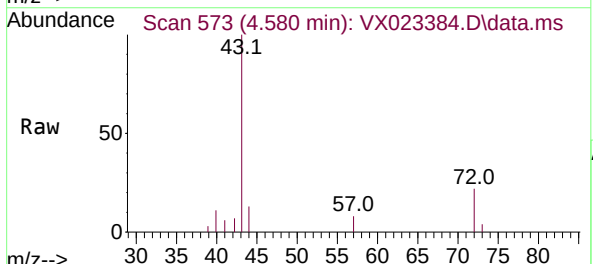
Acq: 22 Jul 2021 19:23

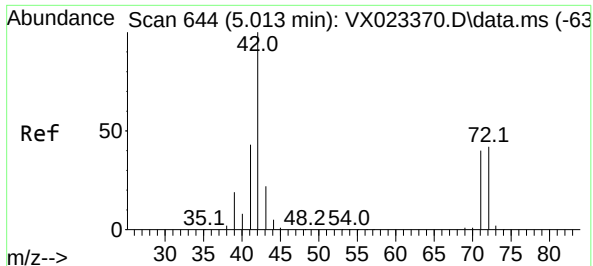
Tgt Ion: 43 Resp: 7131

Ion Ratio Lower Upper

43 100

72 21.9 23.7 35.5#





#29

Tetrahydrofuran

Concen: 2.800 ug/l

RT: 5.031 min Scan# 647

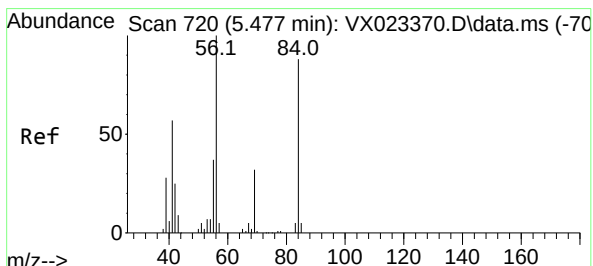
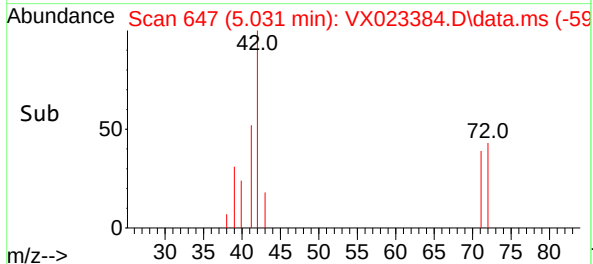
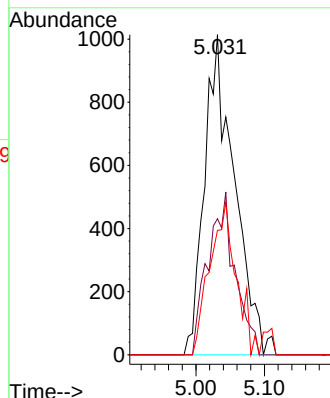
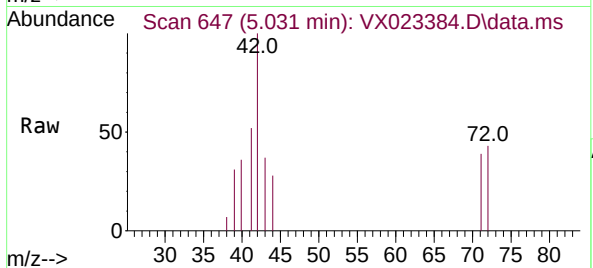
Delta R.T. 0.018 min

Lab File: VX023384.D

Acq: 22 Jul 2021 19:23

Tgt Ion:	42	Resp:	3083
Ion	Ratio	Lower	Upper
42	100		
72	45.8	41.7	62.5
71	41.9	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
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#31

Cyclohexane

Concen: 1.151 ug/l

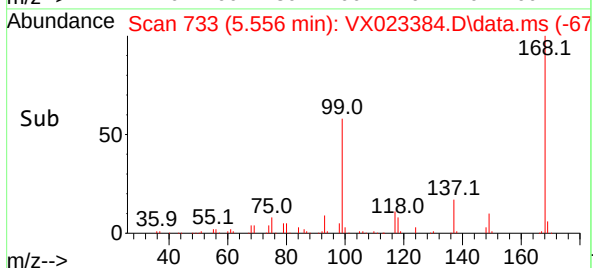
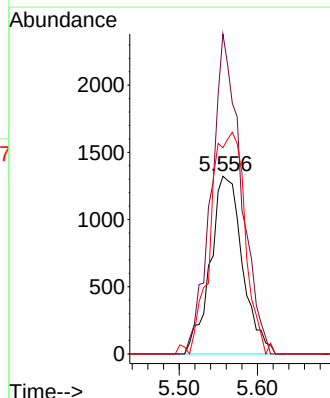
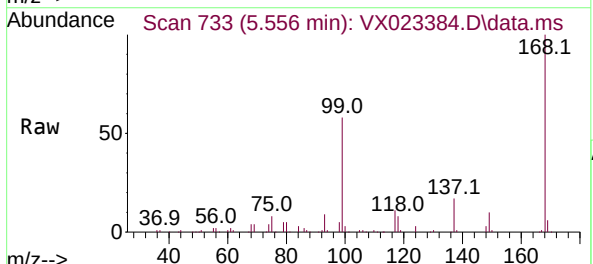
RT: 5.556 min Scan# 733

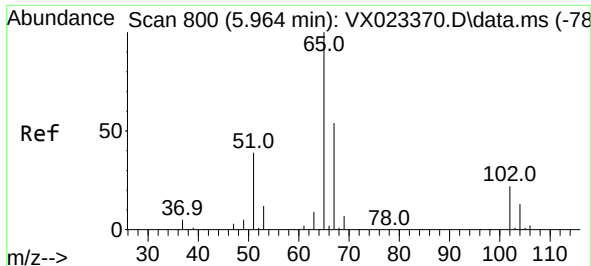
Delta R.T. 0.079 min

Lab File: VX023384.D

Acq: 22 Jul 2021 19:23

Tgt Ion:	56	Resp:	3759
Ion	Ratio	Lower	Upper
56	100		
69	180.0	25.3	37.9#
84	116.0	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.960 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX023384.D

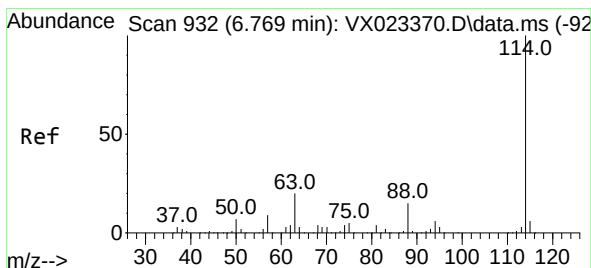
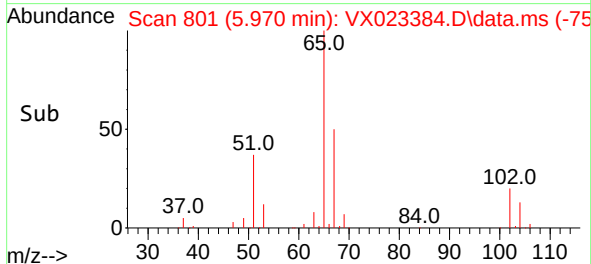
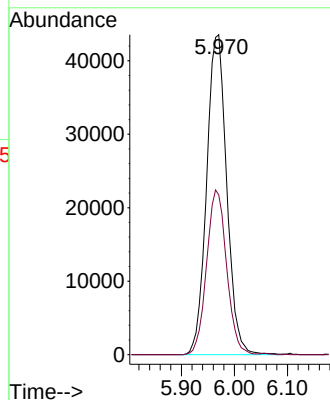
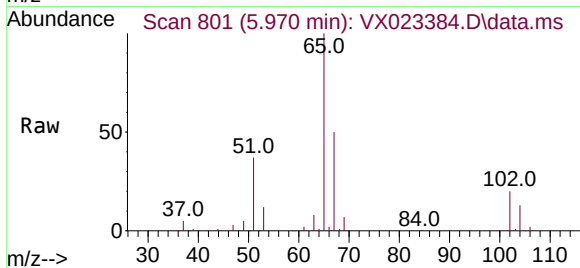
Acq: 22 Jul 2021 19:23

Tgt Ion: 65 Resp: 114594

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX023384.D

Acq: 22 Jul 2021 19:23

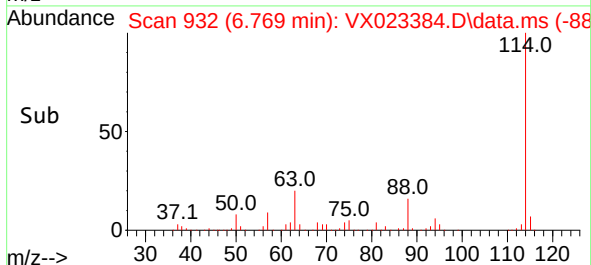
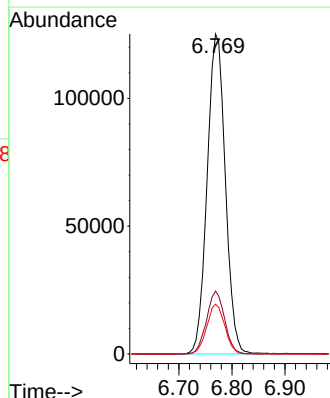
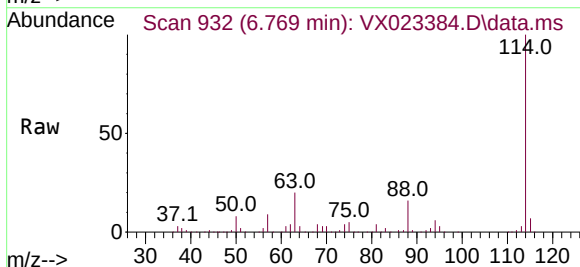
Tgt Ion: 114 Resp: 298076

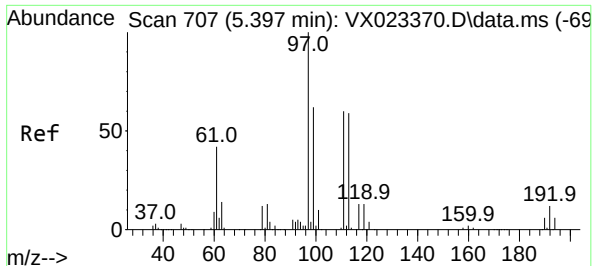
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 15.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.554 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023384.D

Acq: 22 Jul 2021 19:23

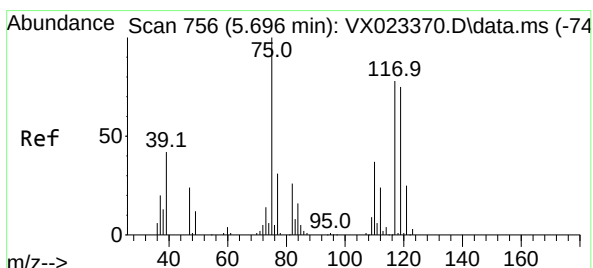
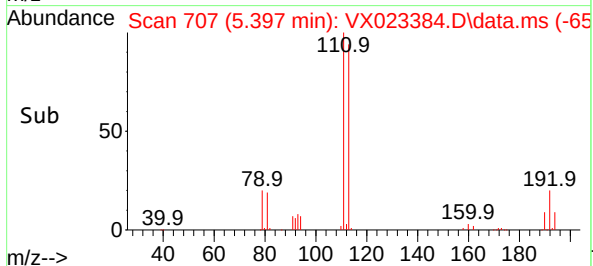
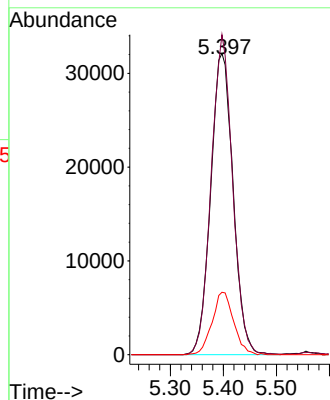
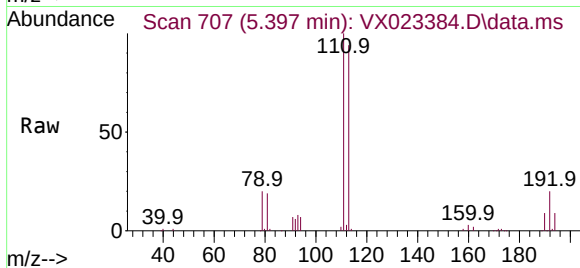
Tgt Ion:113 Resp: 94218

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 20.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.736 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX023384.D

Acq: 22 Jul 2021 19:23

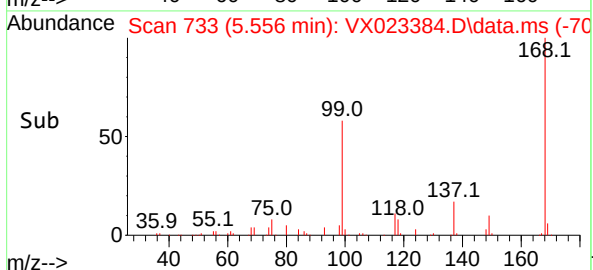
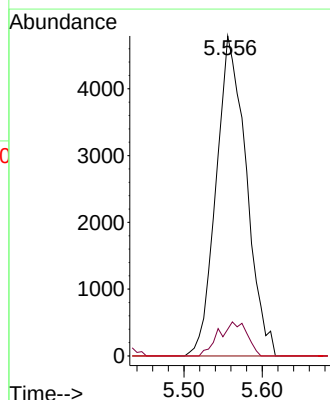
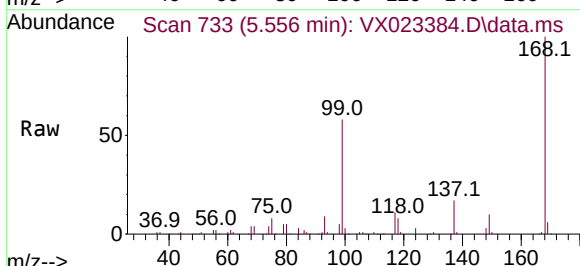
Tgt Ion: 75 Resp: 12771

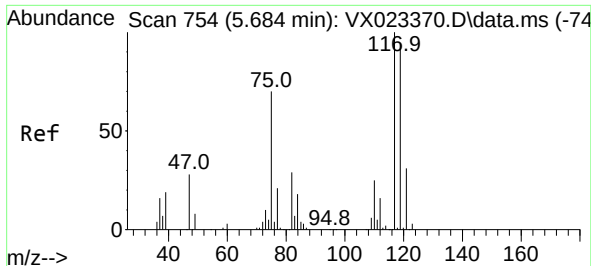
Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

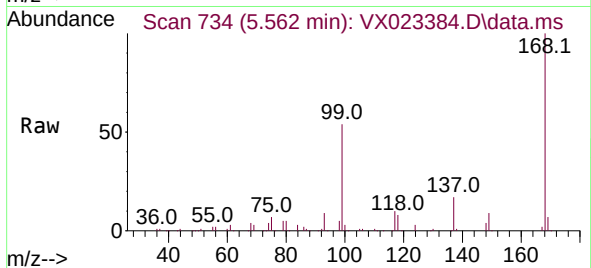
77 0.0 25.3 37.9#



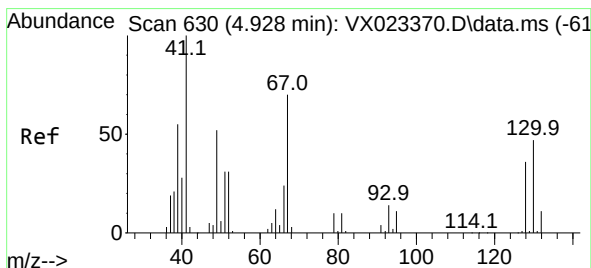
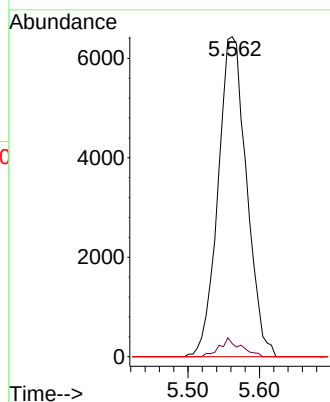
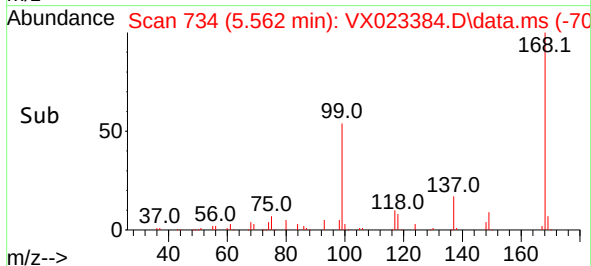


#38
Carbon Tetrachloride
Concen: 6.497 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

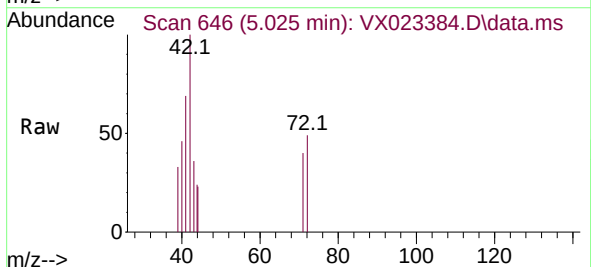
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB



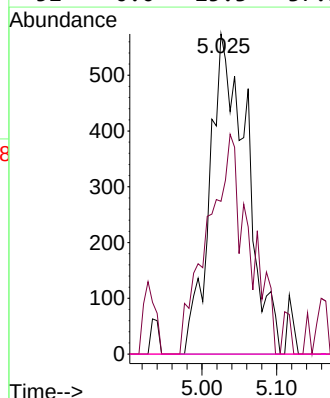
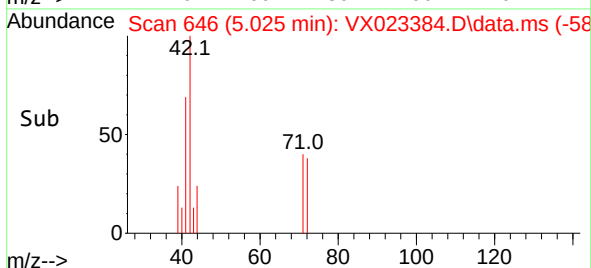
Tgt Ion:117 Resp: 17817
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

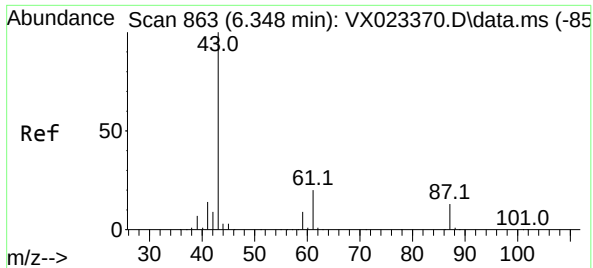


#41
Methacrylonitrile
Concen: 1.107 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23



Tgt Ion: 41 Resp: 1987
Ion Ratio Lower Upper
41 100
39 76.1 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

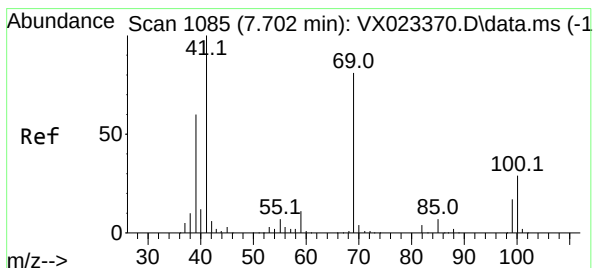
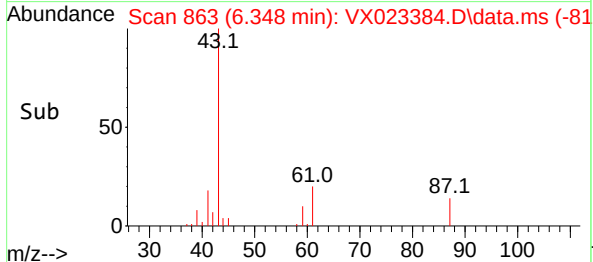
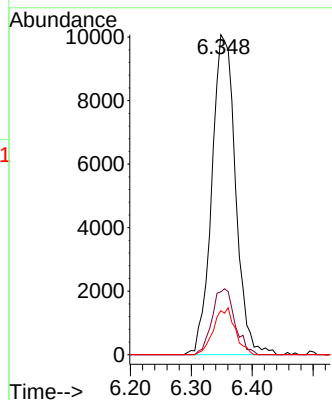
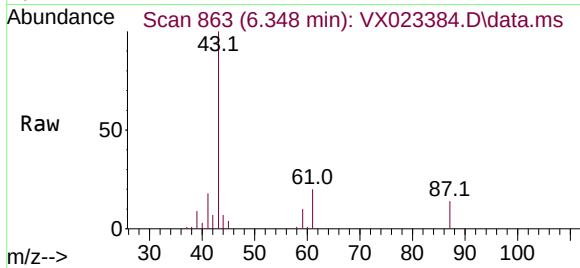




#43
Isopropyl Acetate
Concen: 5.170 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

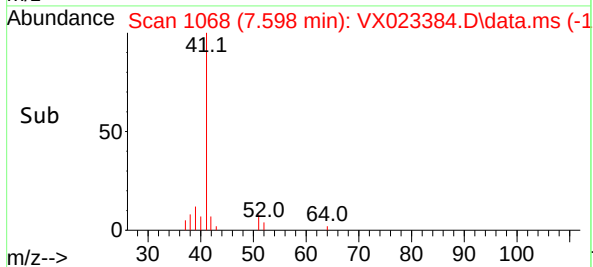
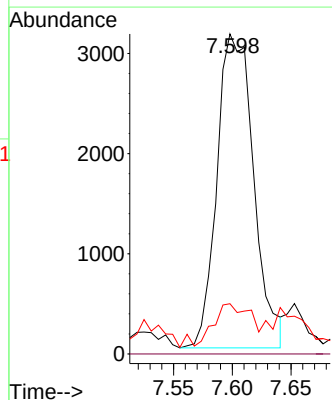
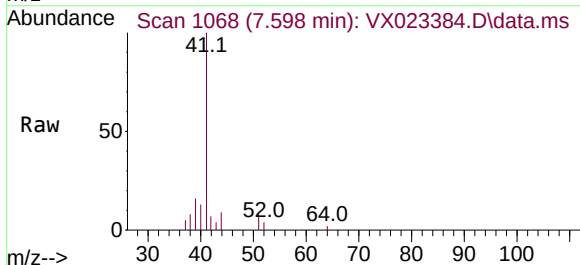
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

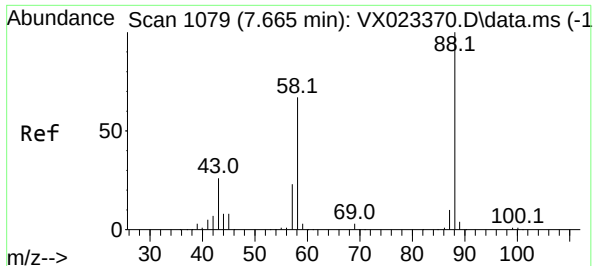
Tgt Ion:	43	Resp:	27237
Ion	Ratio	Lower	Upper
43	100		
61	19.9	18.2	27.4
87	13.3	12.5	18.7



#48
Methyl methacrylate
Concen: 2.782 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.104 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion:	41	Resp:	6787
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 3.580 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX023384.D

Acq: 22 Jul 2021 19:23

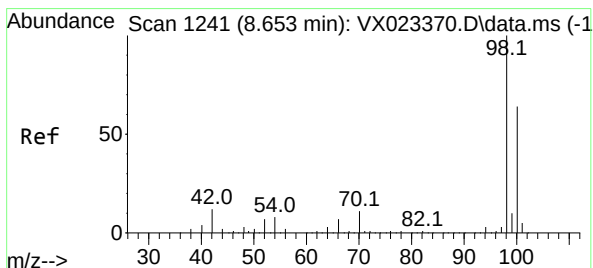
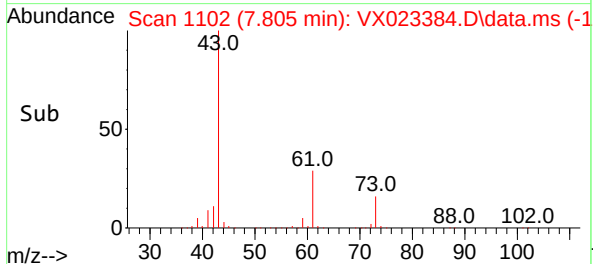
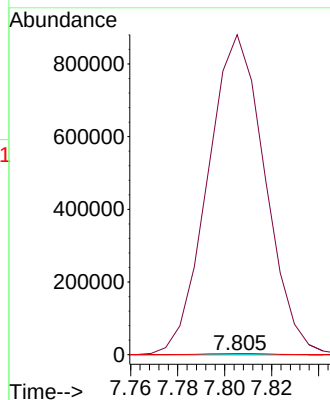
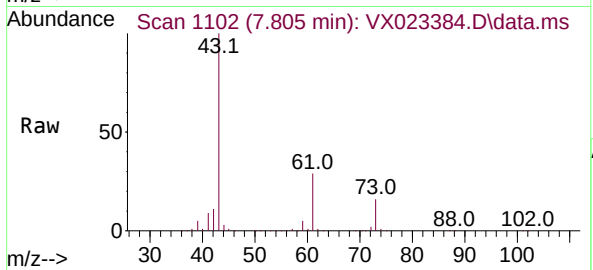
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 808953.2 23.2 34.8#

58 3292.5 55.0 82.4#



#50

Toluene-d8

Concen: 51.585 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX023384.D

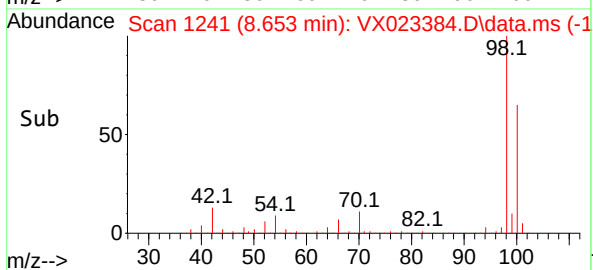
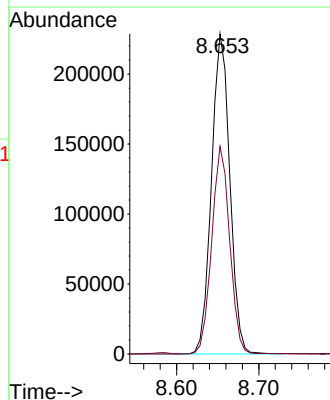
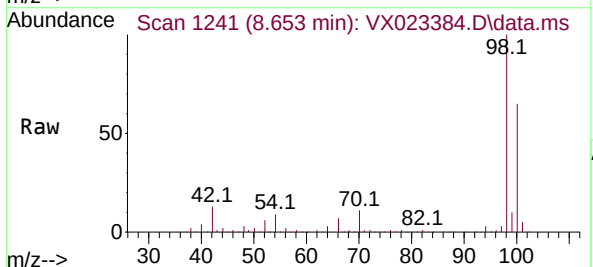
Acq: 22 Jul 2021 19:23

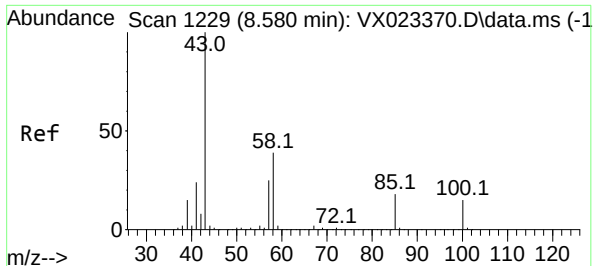
Tgt Ion: 98 Resp: 353215

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9

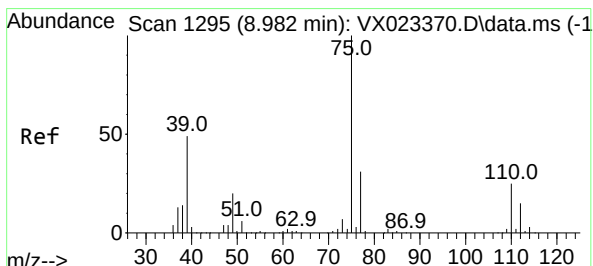
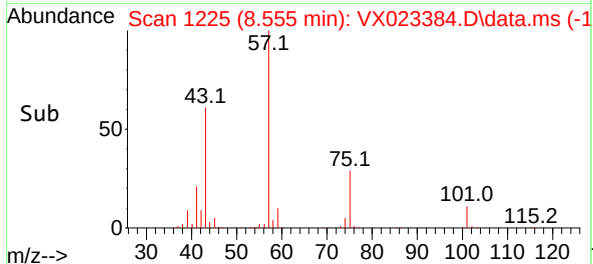
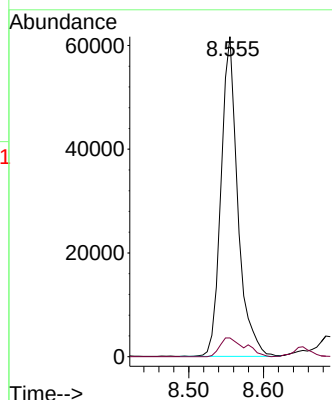
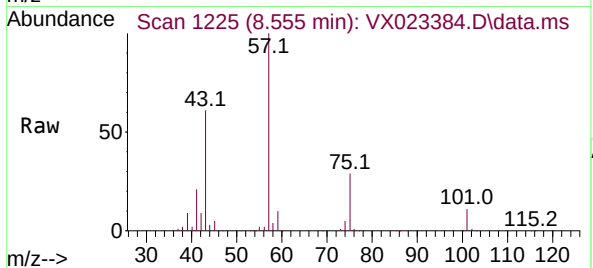




#51
4-Methyl-2-Pentanone
Concen: 29.902 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

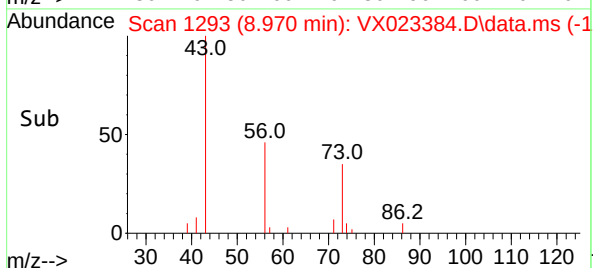
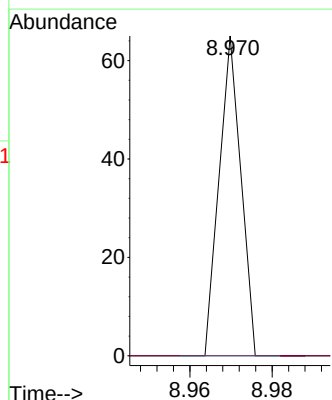
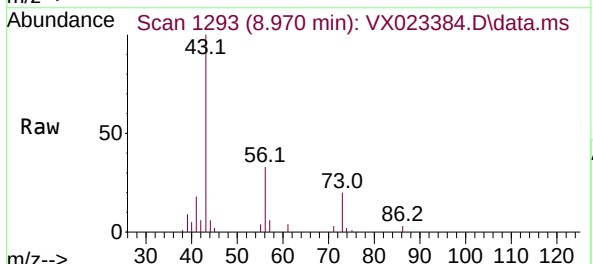
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

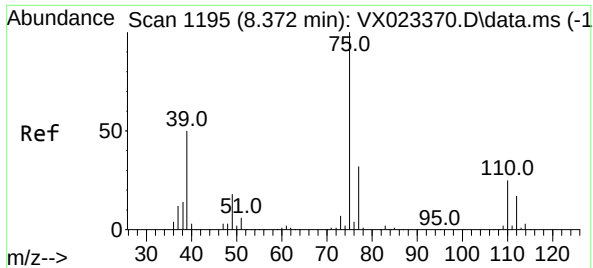
Tgt Ion: 43 Resp: 96352
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#



#53
t-1,3-Dichloropropene
Concen: 1.824 ug/l
RT: 8.970 min Scan# 1293
Delta R.T. -0.012 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#

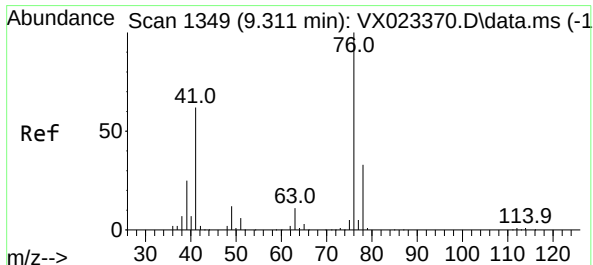
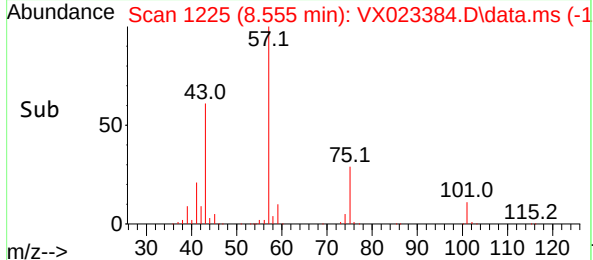
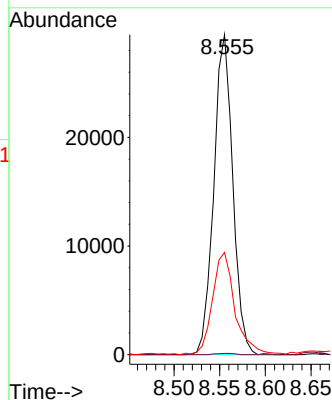
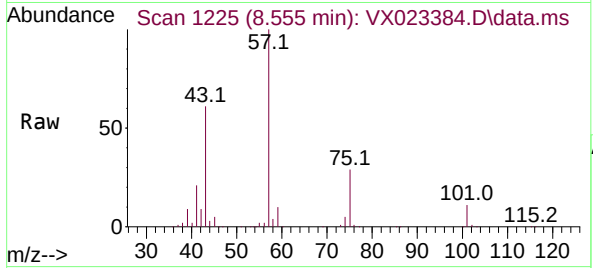




#54
cis-1,3-Dichloropropene
Concen: 13.158 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

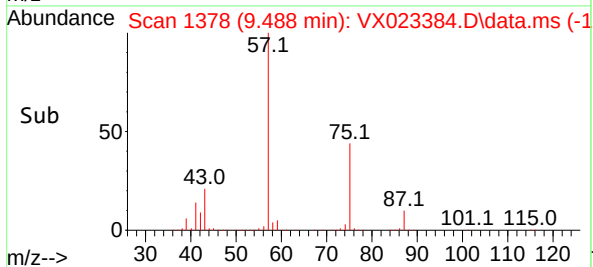
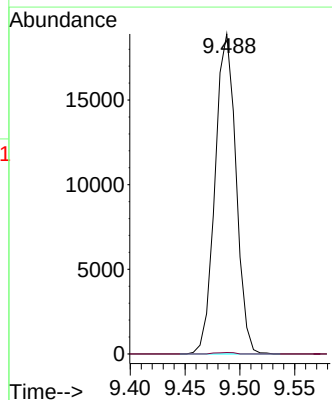
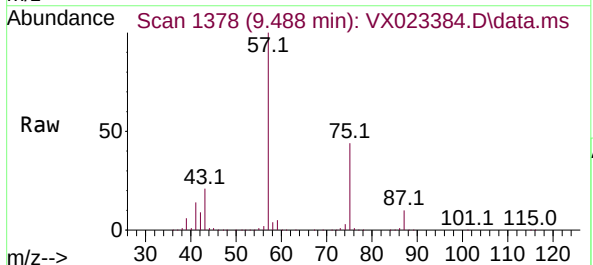
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

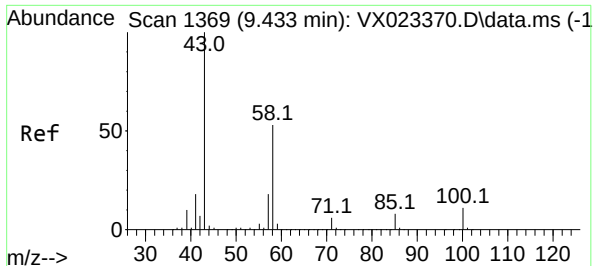
Tgt Ion: 75 Resp: 42407
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 31.9 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 7.378 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion: 76 Resp: 25145
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

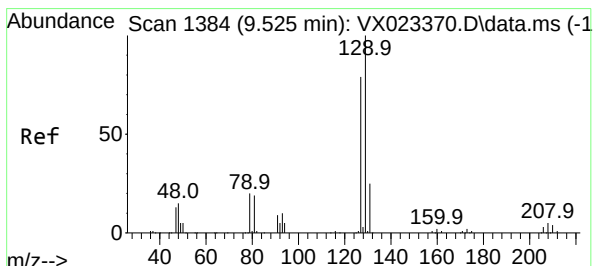
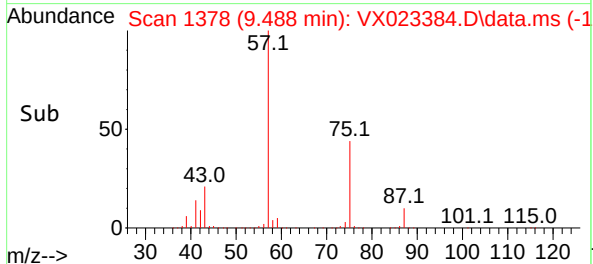
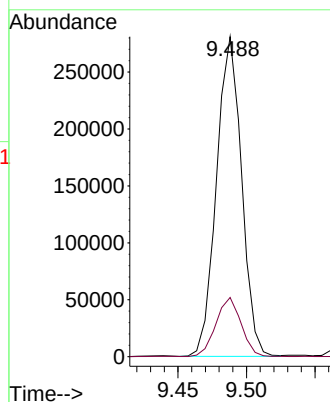
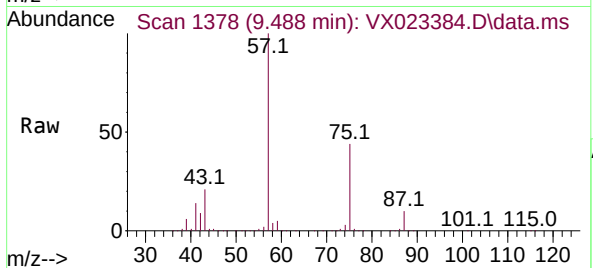




#59
2-Hexanone
Concen: 145.972 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

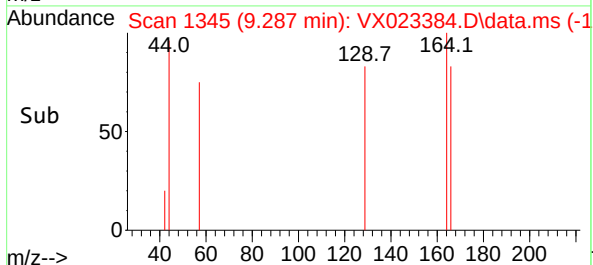
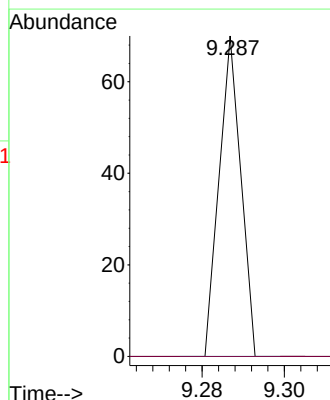
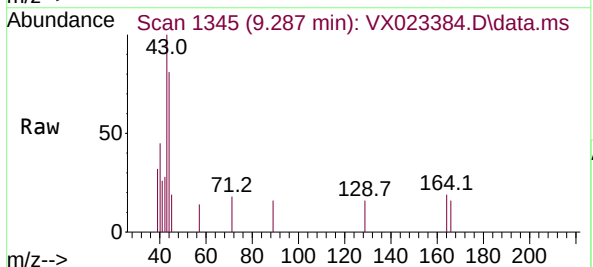
Instrument :
MSVOA_X
ClientSampled :
PB137858TB

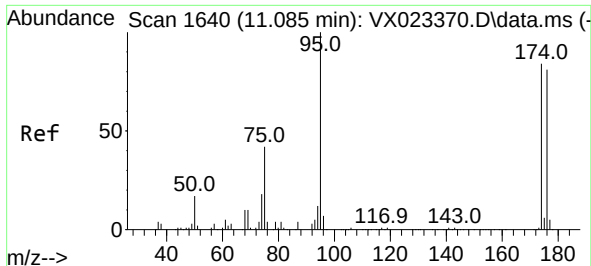
Tgt Ion: 43 Resp: 357178
Ion Ratio Lower Upper
43 100
58 18.5 30.9 92.8#



#60
Dibromochloromethane
Concen: 1.994 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. -0.238 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion:129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

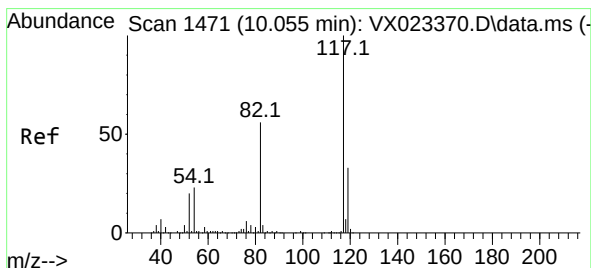
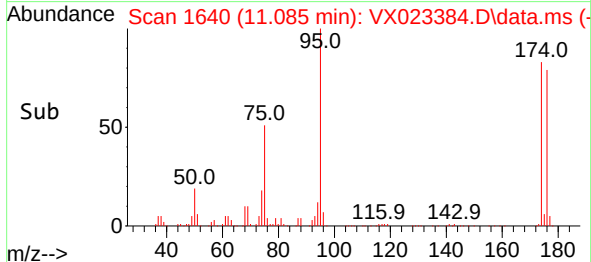
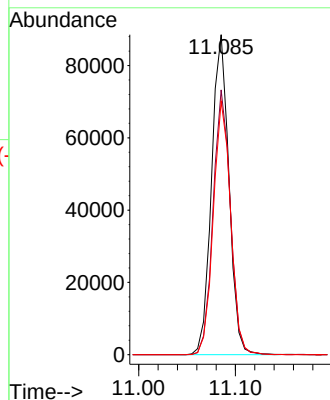
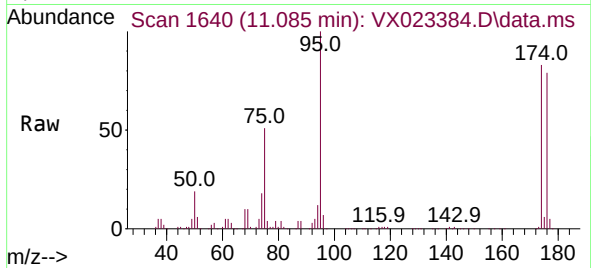




#62
4-Bromofluorobenzene
Concen: 47.525 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

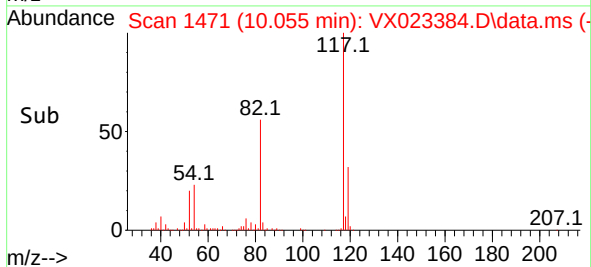
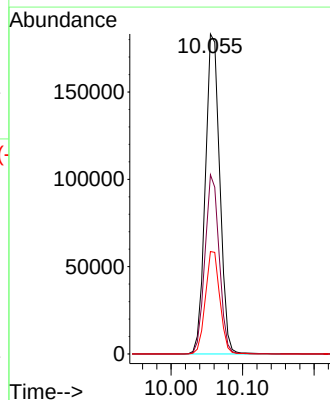
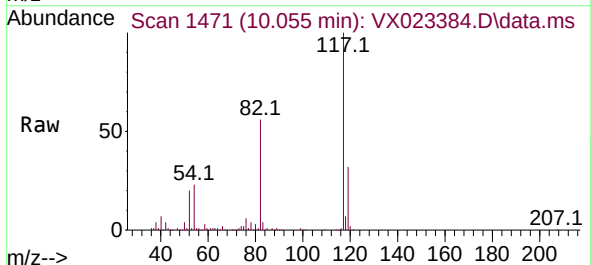
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

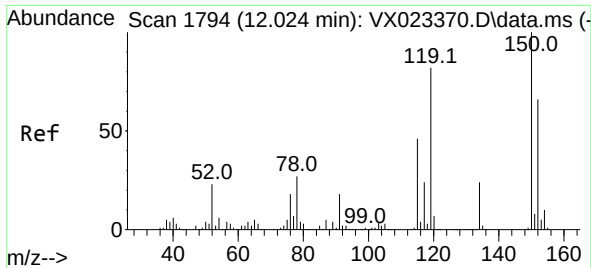
Tgt Ion: 95 Resp: 110656
Ion Ratio Lower Upper
95 100
174 82.1 0.0 154.6
176 79.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion: 117 Resp: 257128
Ion Ratio Lower Upper
117 100
82 56.0 47.4 71.2
119 32.0 26.6 39.8

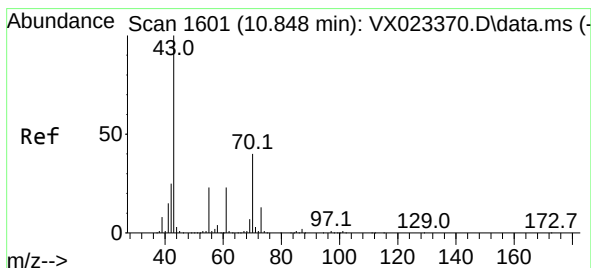
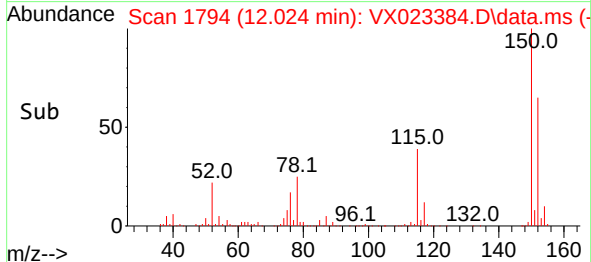
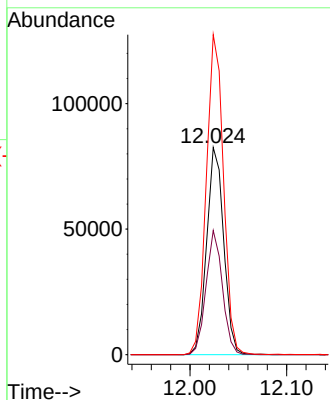
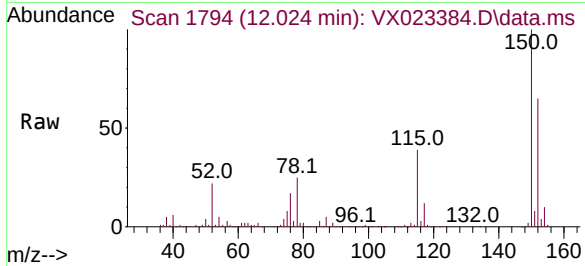




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

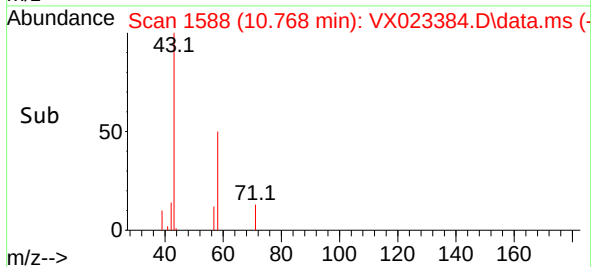
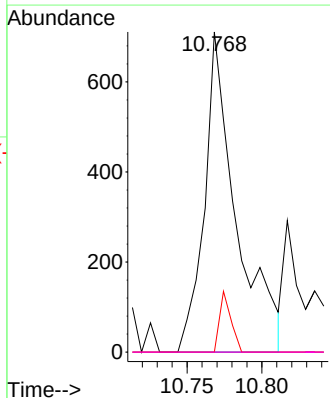
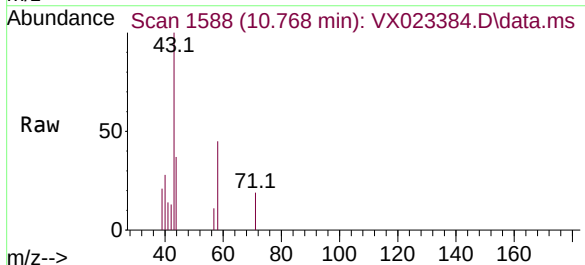
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

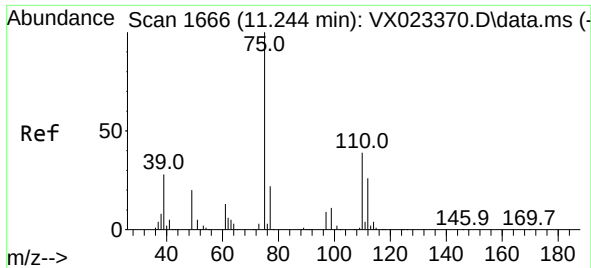
Tgt Ion:152 Resp: 101203
Ion Ratio Lower Upper
152 100
115 57.9 41.1 123.3
150 155.4 0.0 349.0



#74
N-ethyl acetate
Concen: 0.301 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 6.8 21.5 32.3#
61 0.0 22.1 33.1#

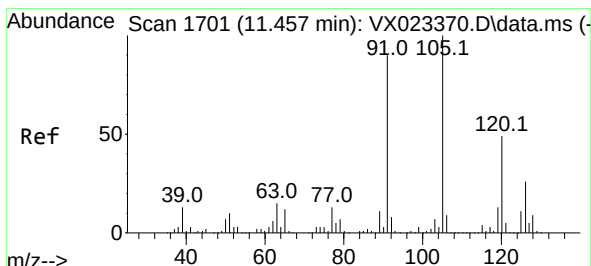
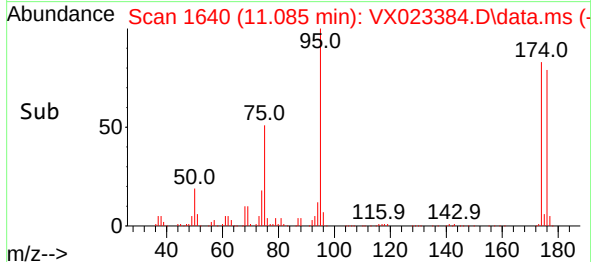
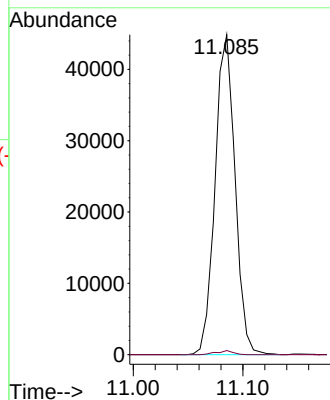
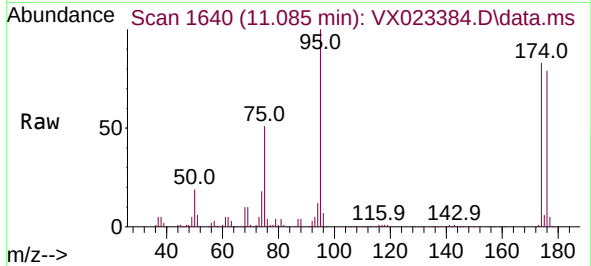




#76
1,2,3-Trichloropropane
Concen: 25.510 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

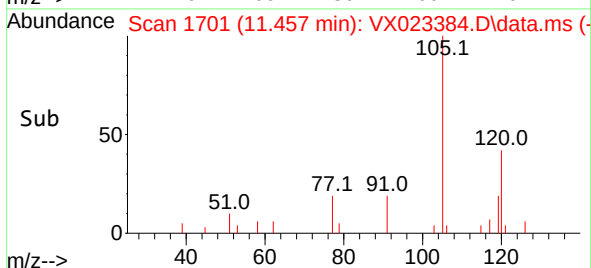
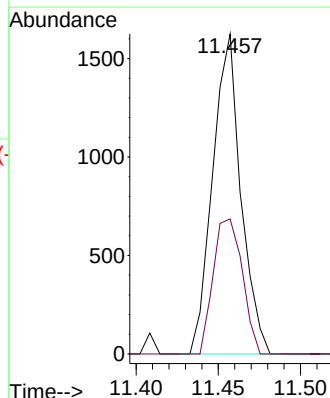
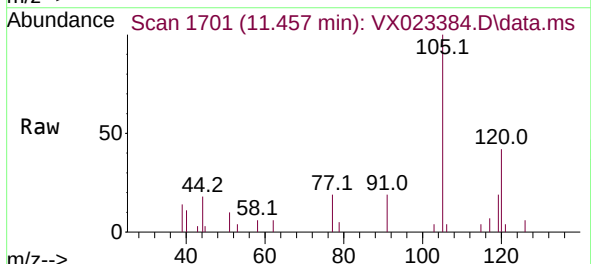
Instrument :
MSVOA_X
ClientSampleId :
PB137858TB

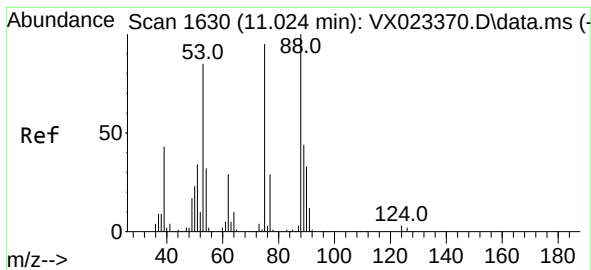
Tgt Ion: 75 Resp: 56812
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.311 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023384.D
Acq: 22 Jul 2021 19:23

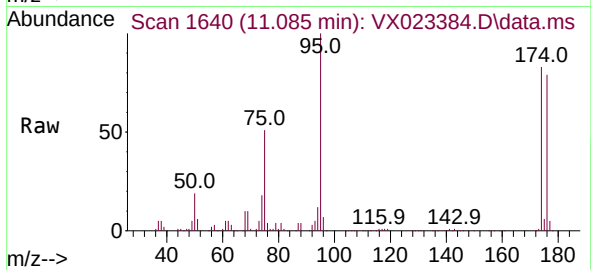
Tgt Ion: 105 Resp: 1937
Ion Ratio Lower Upper
105 100
120 43.4 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.593 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023384.D
 Acq: 22 Jul 2021 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858TB



Tgt Ion: 75 Resp: 56812
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

