

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054343.D
 Acq On : 31 May 2023 17:24
 Operator : JC/MD
 Sample : PB153123ZHE#02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB153123ZHE#02

Quant Time: Jun 01 05:23:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

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

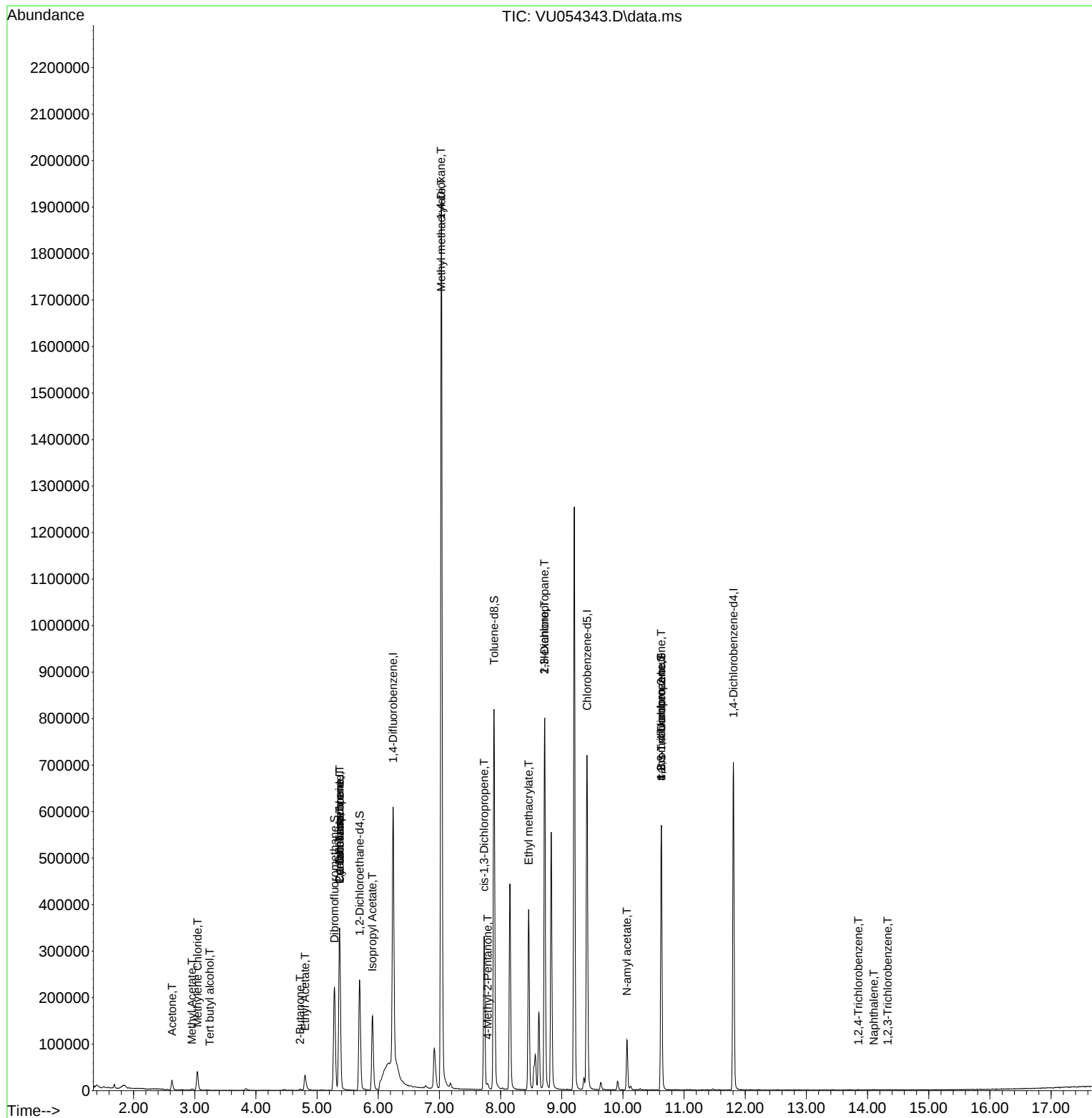
Internal Standards						
1) Pentafluorobenzene	5.369	168	256211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	446525	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	415138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	192077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	180270	53.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.340%			
35) Dibromofluoromethane	5.282	113	148704	51.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	7.893	98	547186	50.028	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.060%			
62) 4-Bromofluorobenzene	10.629	95	186416	43.956	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.920%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.247	59	208	0.229	ug/l #	37
16) Acetone	2.629	43	25526	13.259	ug/l	99
18) Methyl Acetate	2.951	43	4987	0.709	ug/l #	74
20) Methylene Chloride	3.044	84	20424	5.880	ug/l	97
25) 2-Butanone	4.723	43	4115	1.614	ug/l	90
31) Cyclohexane	5.369	56	4712	0.994	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	19865	4.398	ug/l #	48
37) Ethyl Acetate	4.803	43	43761	7.950	ug/l #	89
38) Carbon Tetrachloride	5.369	117	24445	5.288	ug/l #	16
43) Isopropyl Acetate	5.906	43	170488	22.455	ug/l	98
48) Methyl methacrylate	7.031	41	154873	45.997	ug/l #	32
49) 1,4-Dioxane	7.028	88	269	2.767	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	8032	1.585	ug/l #	86
54) cis-1,3-Dichloropropene	7.732	75	61517	11.137	ug/l #	60
56) Ethyl methacrylate	8.459	69	2164	0.427	ug/l #	1
57) 1,3-Dichloropropane	8.719	76	8094	1.381	ug/l #	42
59) 2-Hexanone	8.719	43	104493	26.107	ug/l #	50
74) N-amyl acetate	10.066	43	32896	6.513	ug/l #	49
76) 1,2,3-Trichloropropane	10.629	75	93556	16.689	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.629	75	93556	63.550	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.848	180	260	1.700	ug/l #	35
95) Naphthalene	14.102	128	1564	2.097	ug/l #	76
96) 1,2,3-Trichlorobenzene	14.330	180	155	1.289	ug/l #	83

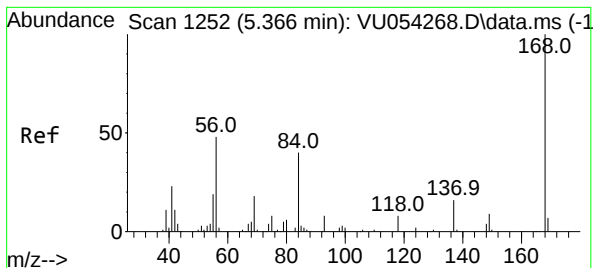
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 26 06:40:51 2023
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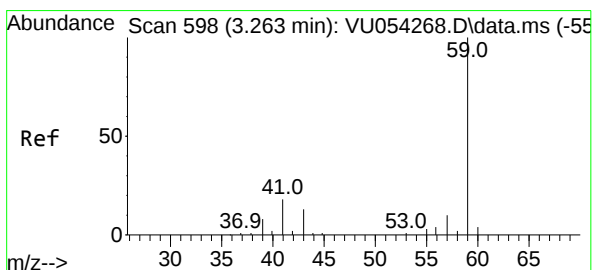
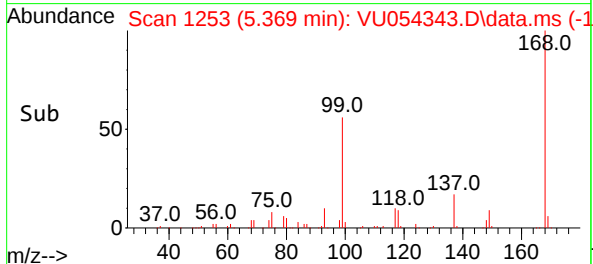
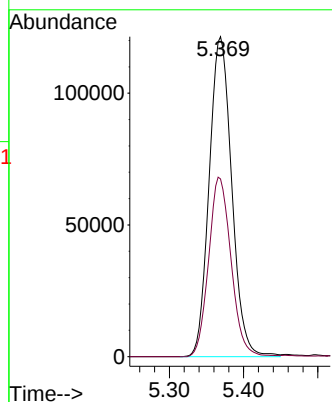
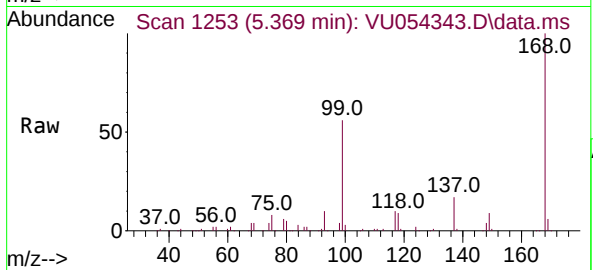




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

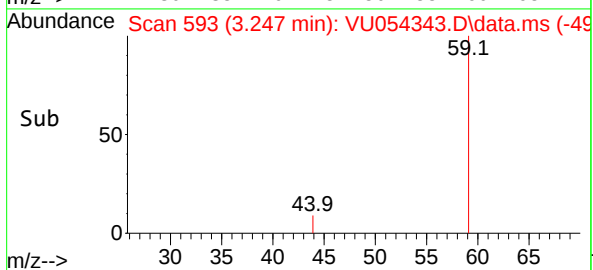
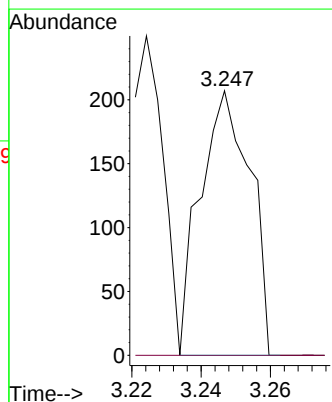
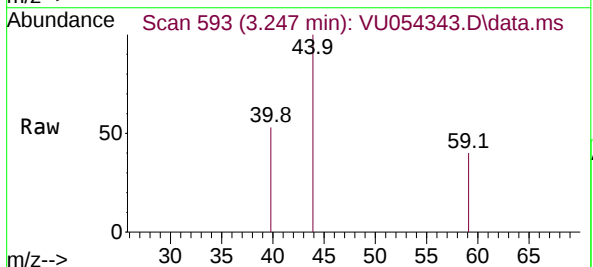
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

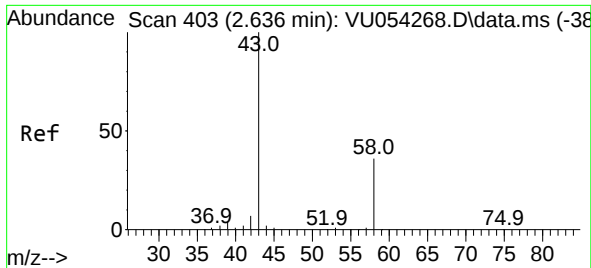
Tgt Ion:168 Resp: 256211
Ion Ratio Lower Upper
168 100
99 55.5 39.3 58.9



#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 3.247 min Scan# 593
Delta R.T. 0.004 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#





#16

Acetone

Concen: 13.259 ug/l

RT: 2.629 min Scan# 401

Delta R.T. -0.007 min

Lab File: VU054343.D

Acq: 31 May 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

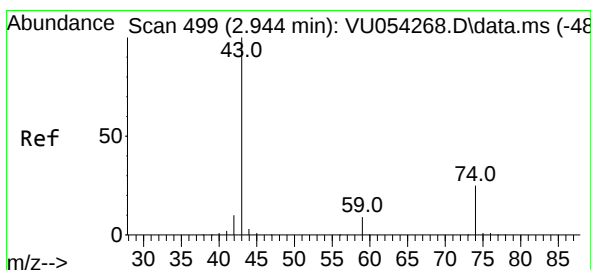
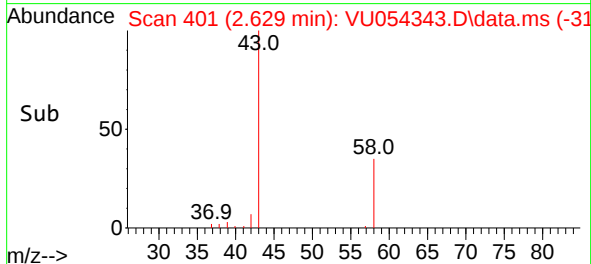
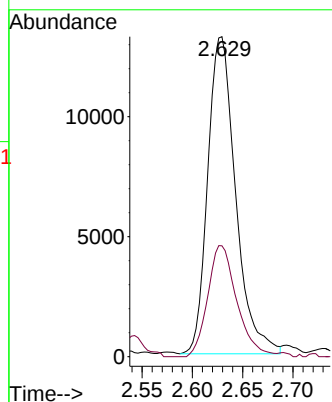
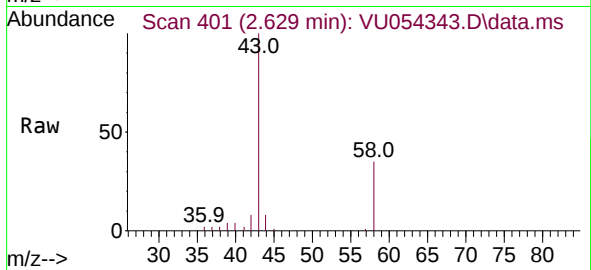
PB153123ZHE#02

Tgt Ion: 43 Resp: 25526

Ion Ratio Lower Upper

43 100

58 35.0 27.5 41.3



#18

Methyl Acetate

Concen: 0.709 ug/l

RT: 2.951 min Scan# 501

Delta R.T. 0.007 min

Lab File: VU054343.D

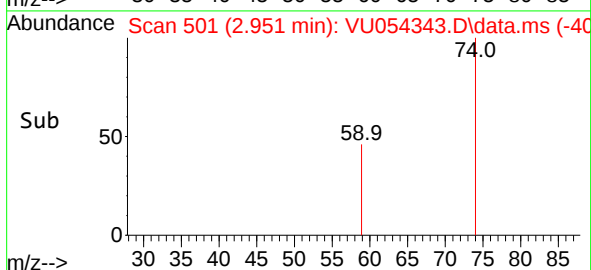
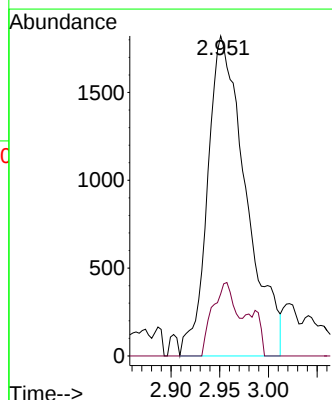
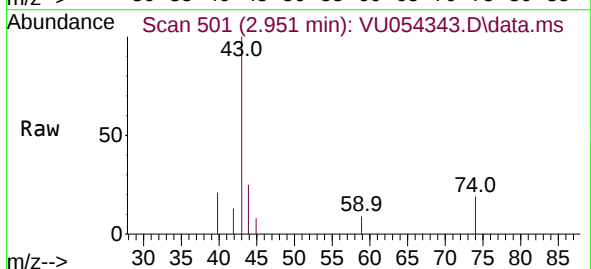
Acq: 31 May 2023 17:24

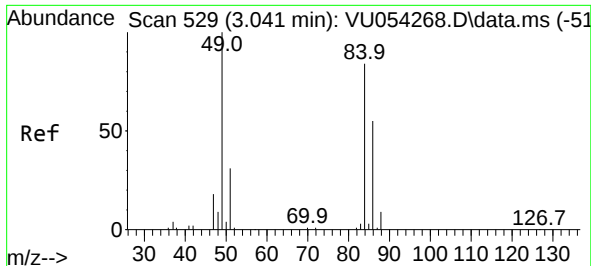
Tgt Ion: 43 Resp: 4987

Ion Ratio Lower Upper

43 100

74 14.3 22.5 33.7#

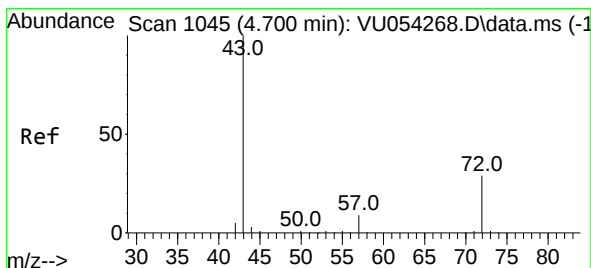
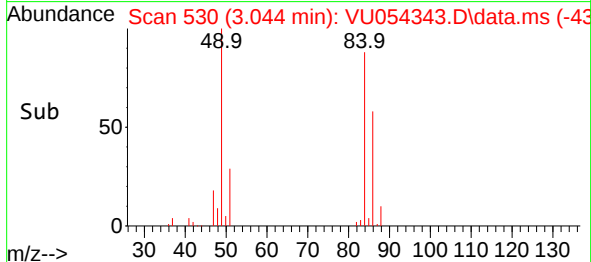
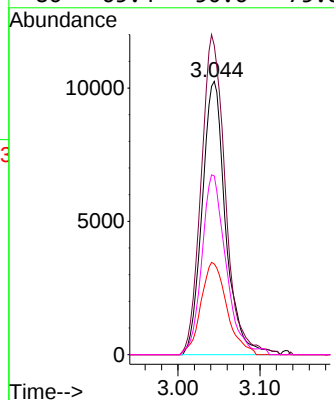
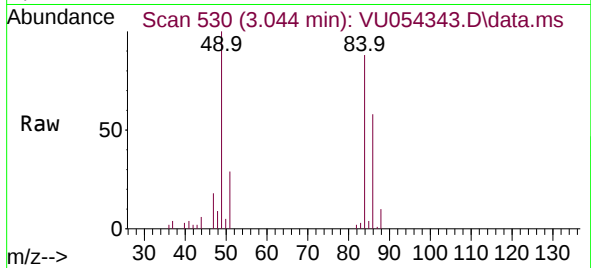




#20
Methylene Chloride
Concen: 5.880 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

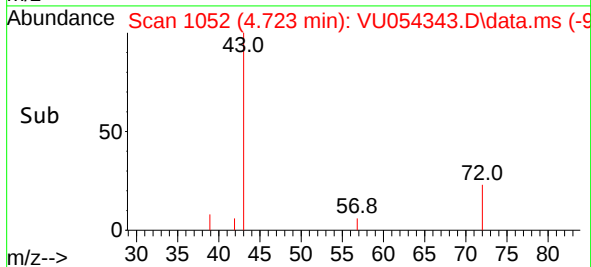
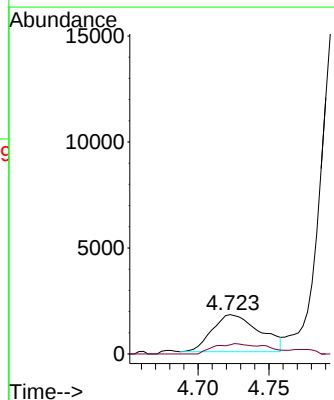
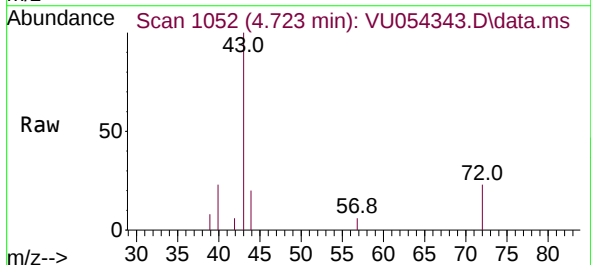
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

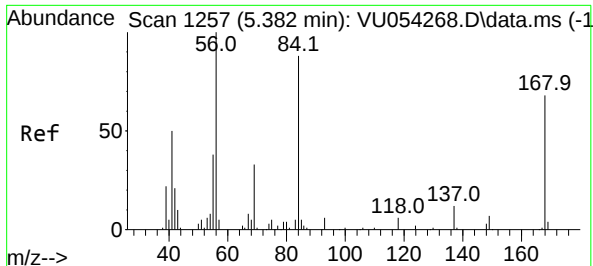
Tgt Ion:	84	Resp:	20424
Ion	Ratio	Lower	Upper
84	100		
49	113.1	86.6	129.8
51	33.2	26.6	40.0
86	65.4	50.6	75.8



#25
2-Butanone
Concen: 1.614 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.023 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion:	43	Resp:	4115
Ion	Ratio	Lower	Upper
43	100		
72	24.4	23.8	35.6

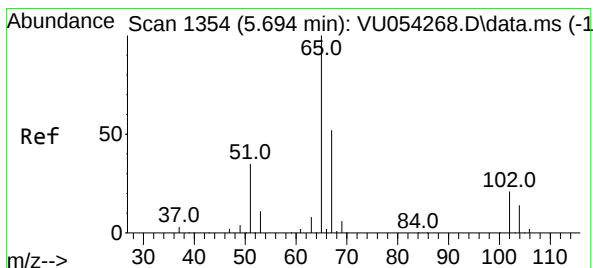
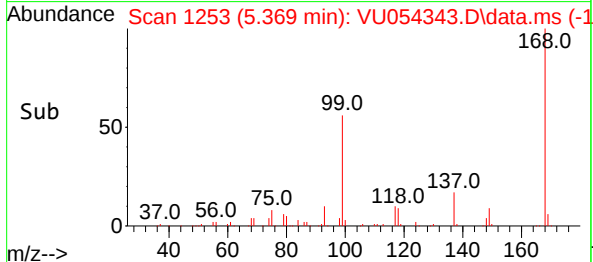
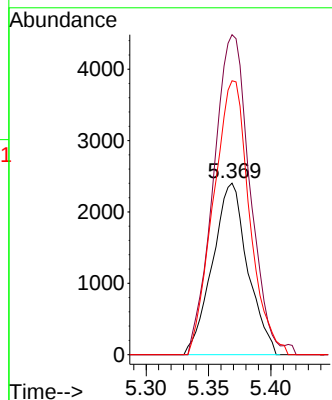
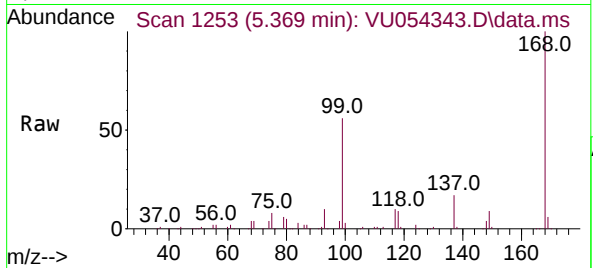




#31
Cyclohexane
Concen: 0.994 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

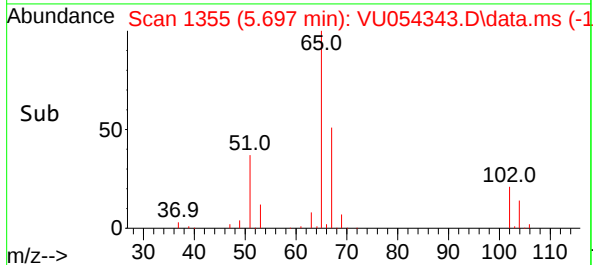
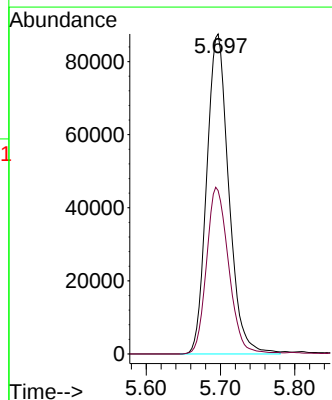
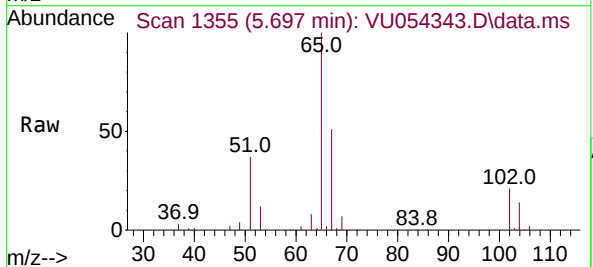
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

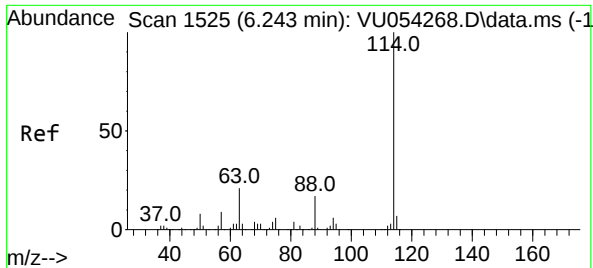
Tgt Ion: 56 Resp: 4712
Ion Ratio Lower Upper
56 100
69 186.5 27.8 41.8#
84 159.7 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 53.673 ug/l
RT: 5.697 min Scan# 1355
Delta R.T. 0.003 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 65 Resp: 180270
Ion Ratio Lower Upper
65 100
67 52.4 0.0 108.0

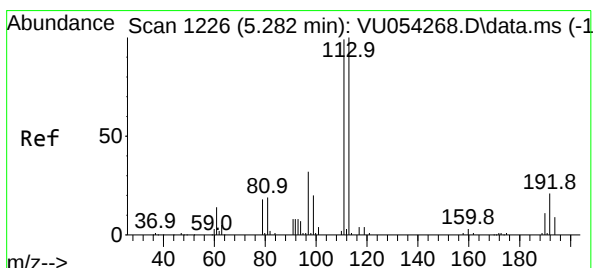
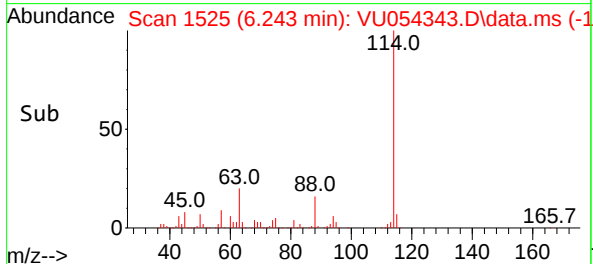
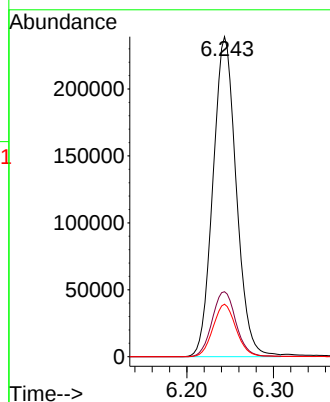
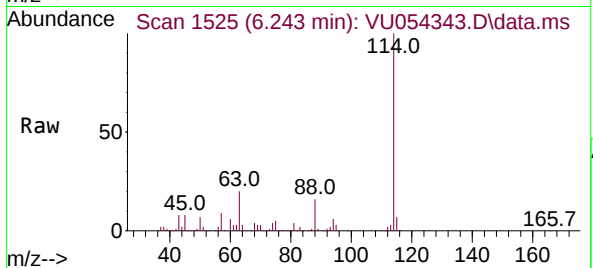




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

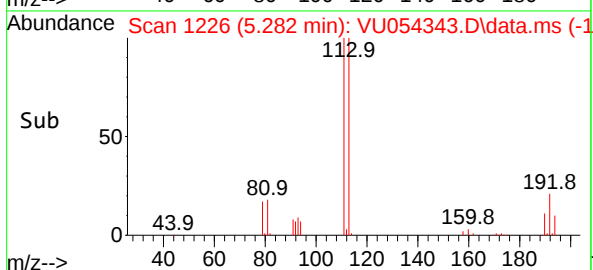
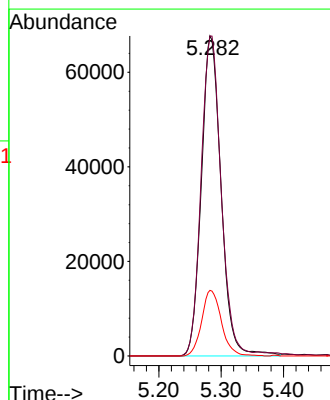
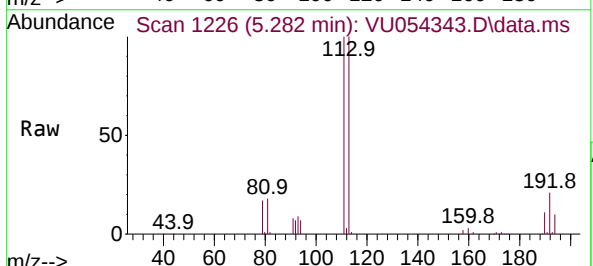
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

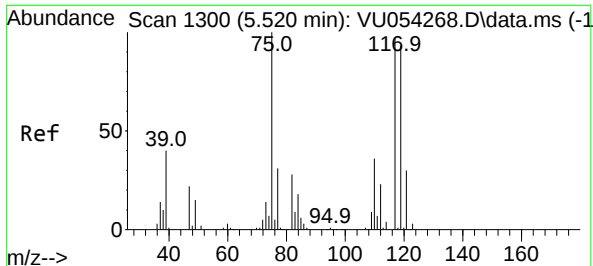
Tgt Ion:	114	Resp:	446525
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	37.8
88	16.4	0.0	29.2



#35
Dibromofluoromethane
Concen: 51.714 ug/l
RT: 5.282 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion:	113	Resp:	148704
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.1	123.1
192	20.6	18.0	27.0





#36

1,1-Dichloropropene

Concen: 4.398 ug/l

RT: 5.369 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU054343.D

Acq: 31 May 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#02

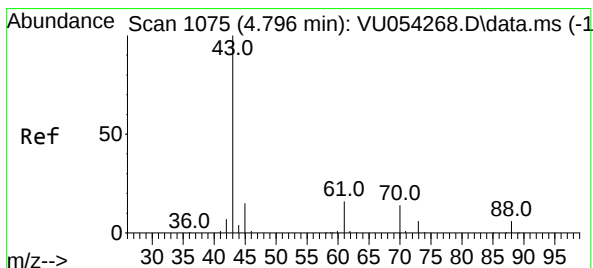
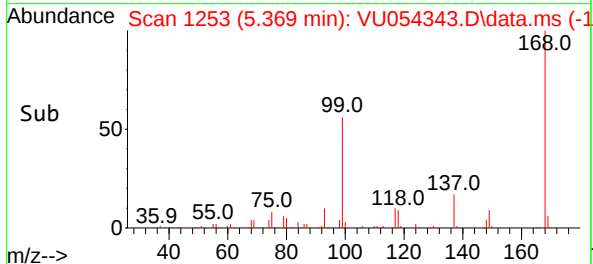
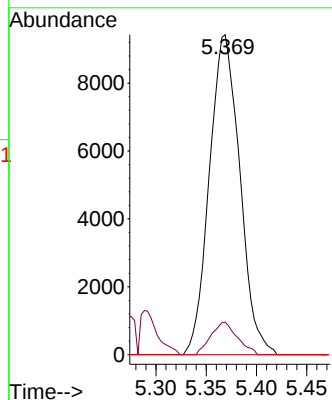
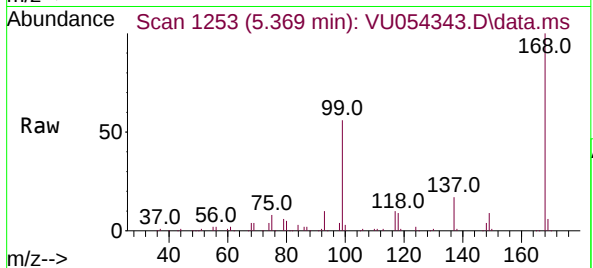
Tgt Ion: 75 Resp: 19865

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.2#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.950 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VU054343.D

Acq: 31 May 2023 17:24

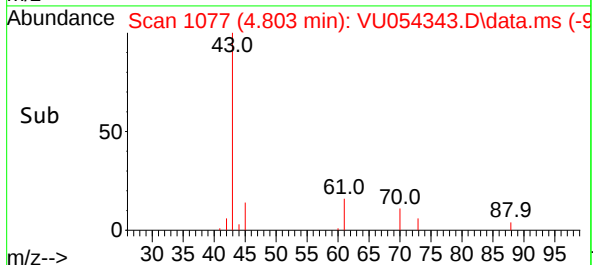
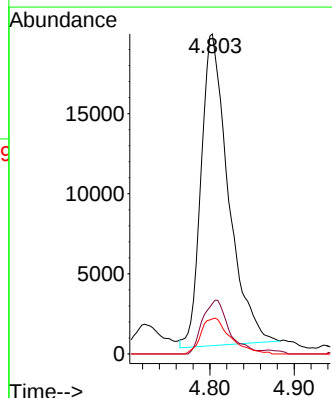
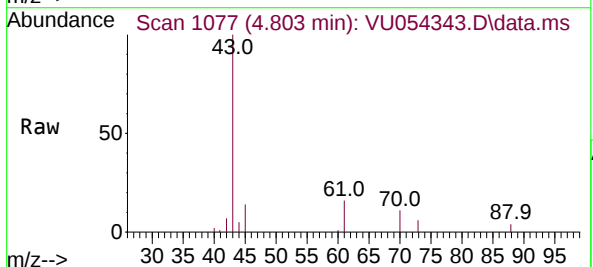
Tgt Ion: 43 Resp: 43761

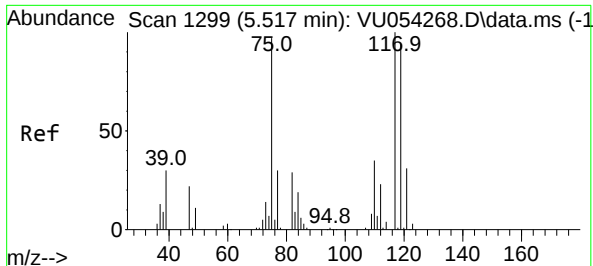
Ion Ratio Lower Upper

43 100

61 16.8 9.5 14.3#

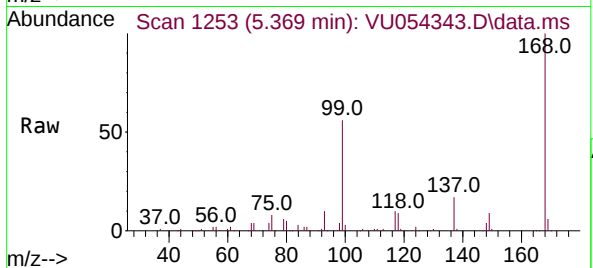
70 12.3 7.5 11.3#



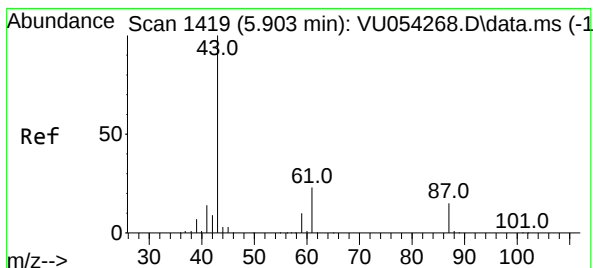
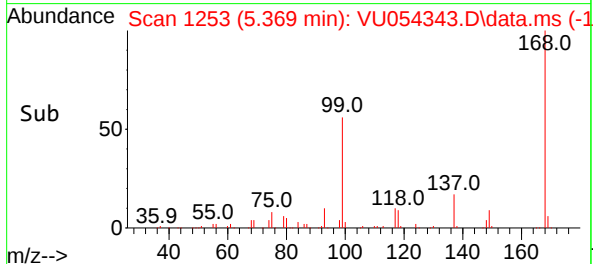
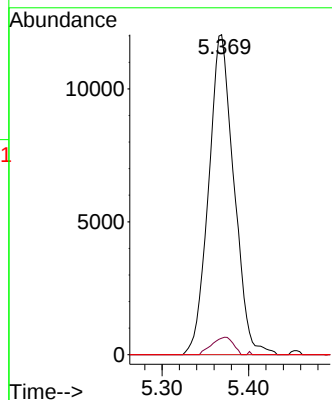


#38
Carbon Tetrachloride
Concen: 5.288 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

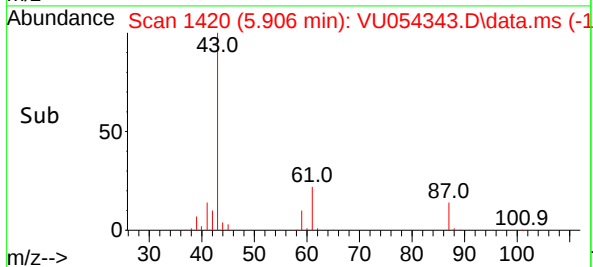
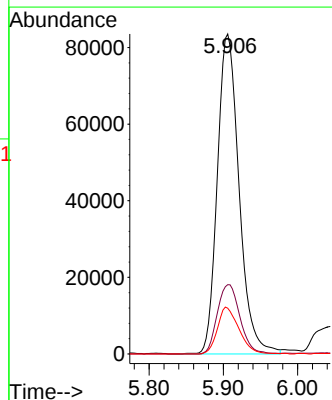
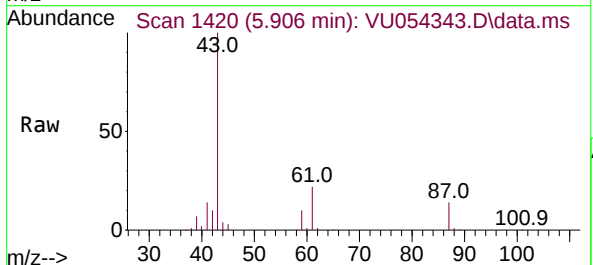


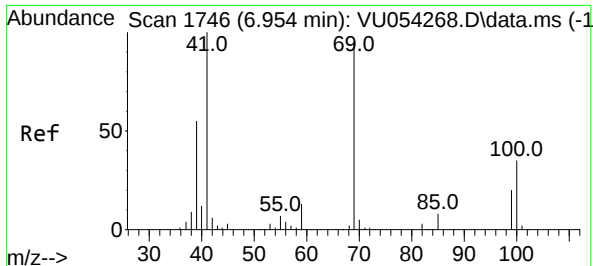
Tgt Ion:117 Resp: 24445
Ion Ratio Lower Upper
117 100
119 5.2 76.8 115.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 22.455 ug/l
RT: 5.906 min Scan# 1420
Delta R.T. 0.003 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 43 Resp: 170488
Ion Ratio Lower Upper
43 100
61 22.6 17.4 26.0
87 14.4 12.6 18.8

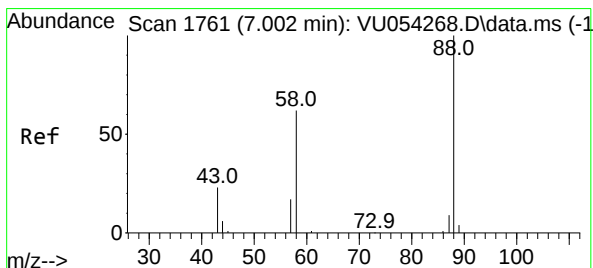
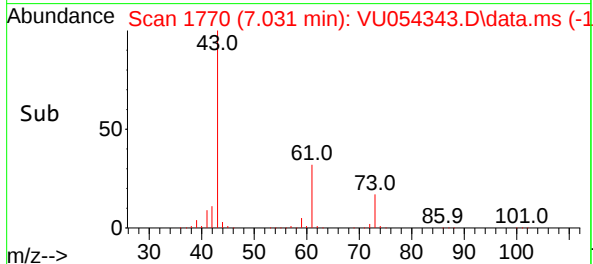
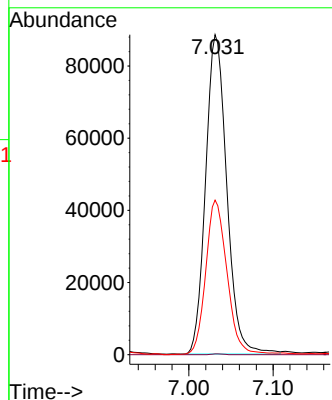
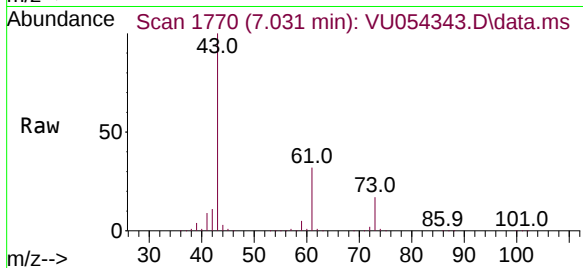




#48
Methyl methacrylate
Concen: 45.997 ug/l
RT: 7.031 min Scan# 11
Delta R.T. 0.077 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

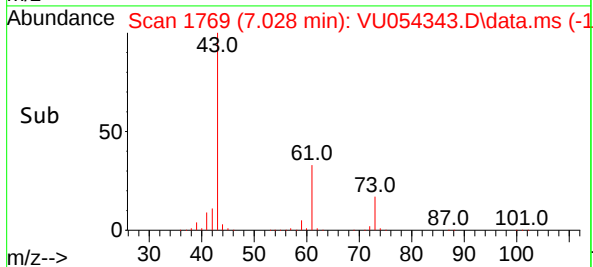
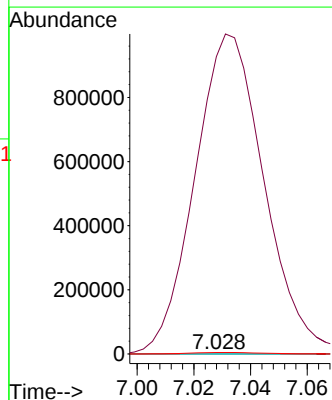
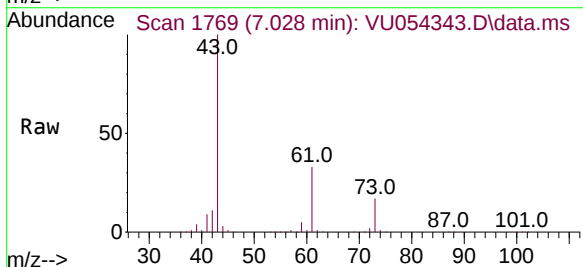
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

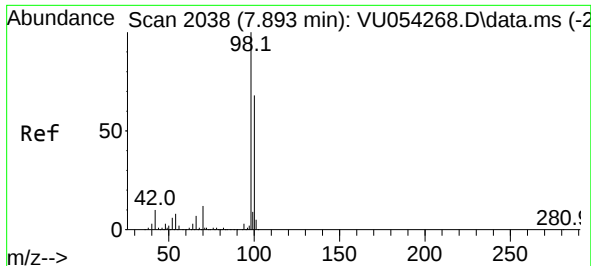
Tgt Ion: 41 Resp: 154873
Ion Ratio Lower Upper
41 100
69 0.1 79.8 119.6#
39 48.8 47.9 71.9



#49
1,4-Dioxane
Concen: 2.767 ug/l
RT: 7.028 min Scan# 1769
Delta R.T. 0.026 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 88 Resp: 269
Ion Ratio Lower Upper
88 100
43 642943.9 0.0 0.0#
58 3296.3 15.4 23.0#

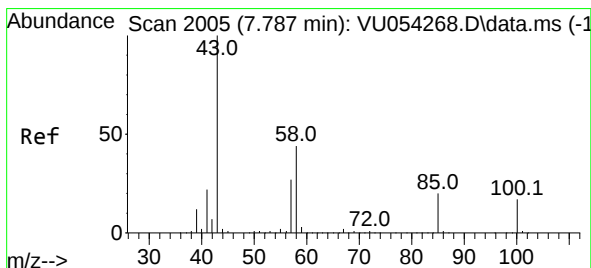
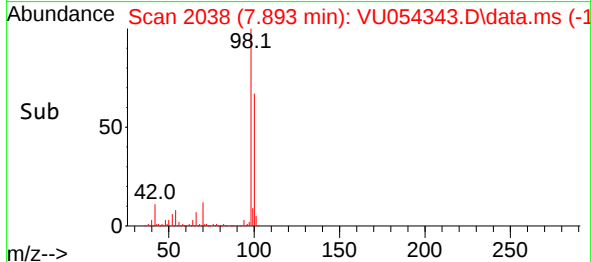
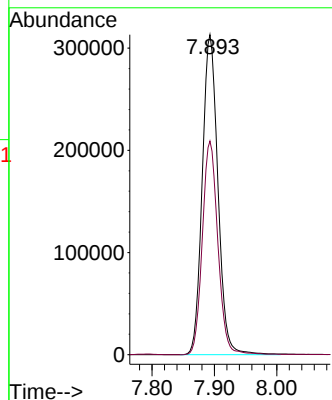
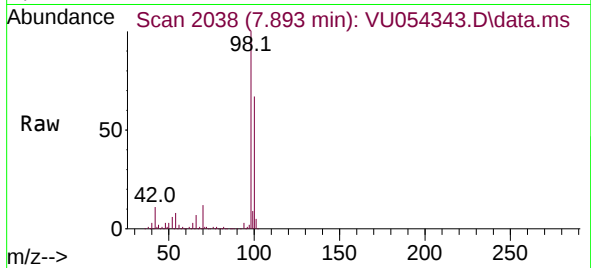




#50
Toluene-d8
Concen: 50.028 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

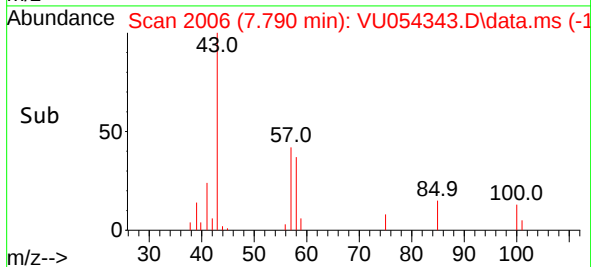
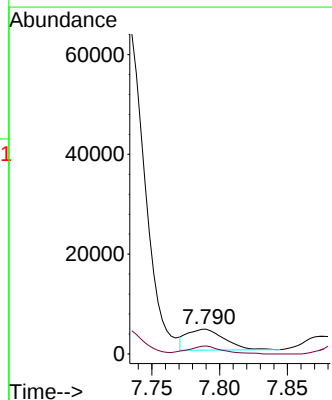
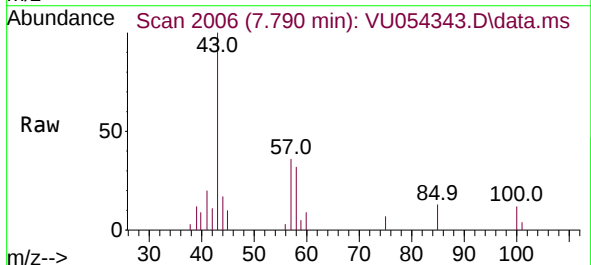
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

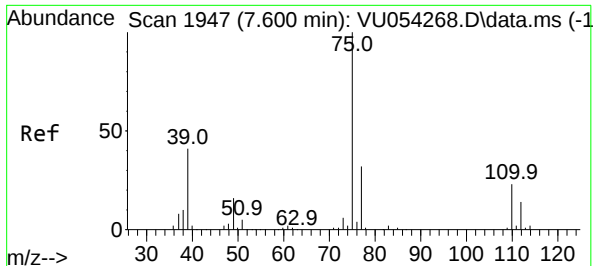
Tgt Ion: 98 Resp: 547186
Ion Ratio Lower Upper
98 100
100 66.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.585 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. 0.003 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 43 Resp: 8032
Ion Ratio Lower Upper
43 100
58 34.6 34.7 52.1

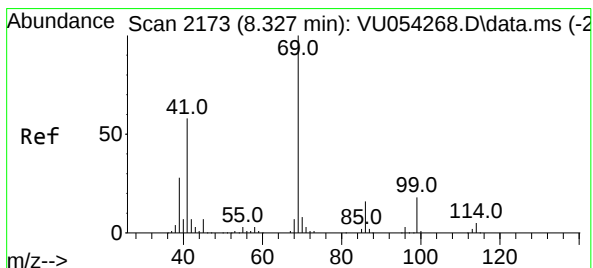
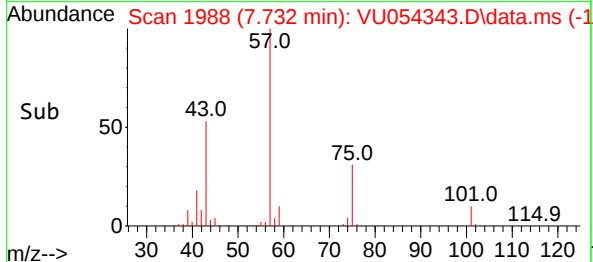
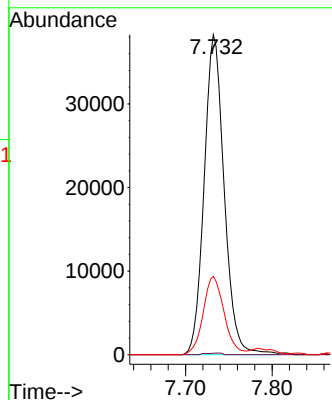
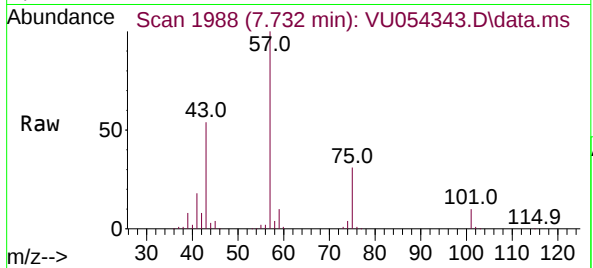




#54
 cis-1,3-Dichloropropene
 Concen: 11.137 ug/l
 RT: 7.732 min Scan# 1947
 Delta R.T. 0.132 min
 Lab File: VU054343.D
 Acq: 31 May 2023 17:24

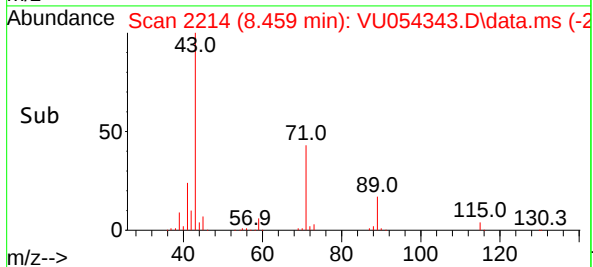
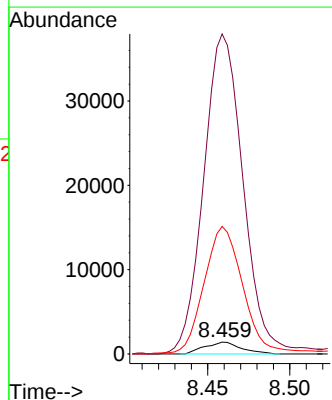
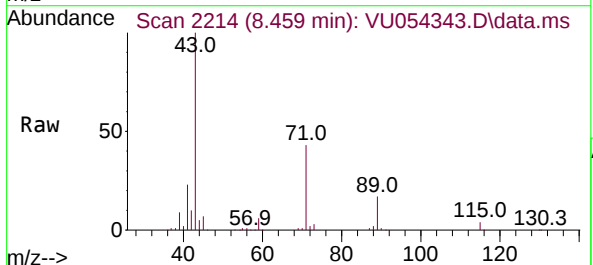
Instrument :
 MSVOA_U
 ClientSampleId :
 PB153123ZHE#02

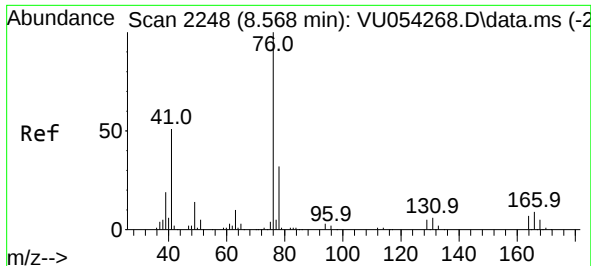
Tgt Ion: 75 Resp: 61517
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 24.4 33.0 49.6#



#56
 Ethyl methacrylate
 Concen: 0.427 ug/l
 RT: 8.459 min Scan# 2214
 Delta R.T. 0.132 min
 Lab File: VU054343.D
 Acq: 31 May 2023 17:24

Tgt Ion: 69 Resp: 2164
 Ion Ratio Lower Upper
 69 100
 41 2952.4 45.4 68.0#
 39 1161.4 25.7 38.5#

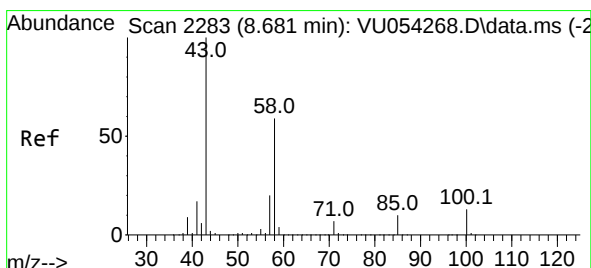
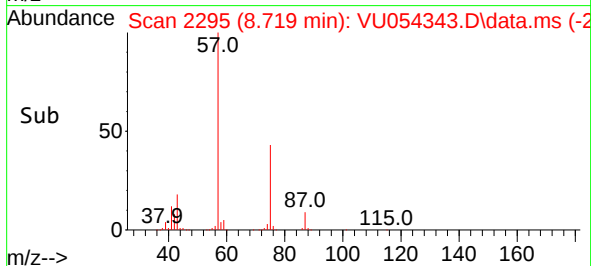
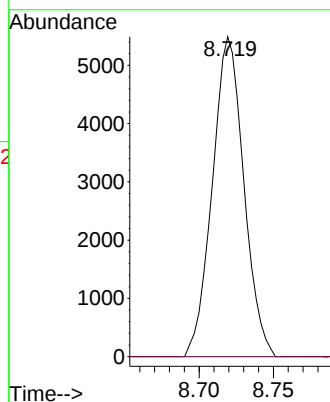
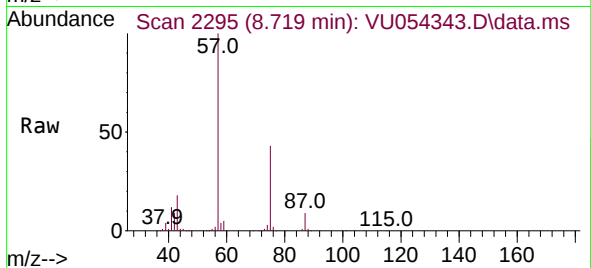




#57
1,3-Dichloropropane
Concen: 1.381 ug/l
RT: 8.719 min Scan# 21
Delta R.T. 0.151 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

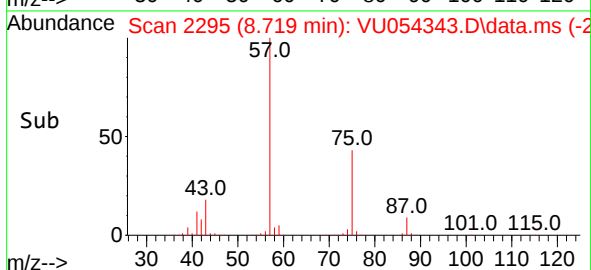
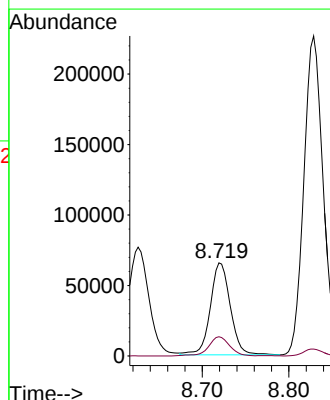
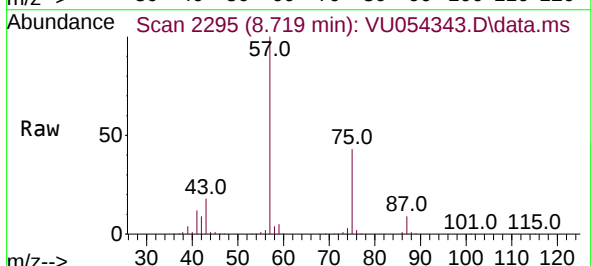
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

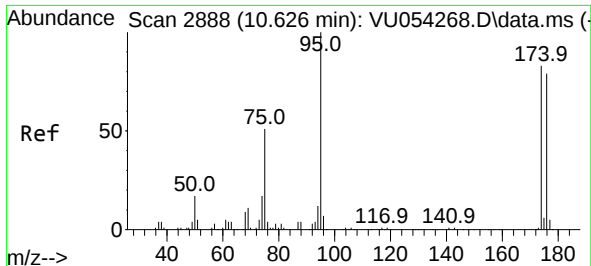
Tgt Ion: 76 Resp: 8094
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 26.107 ug/l
RT: 8.719 min Scan# 2295
Delta R.T. 0.038 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 43 Resp: 104493
Ion Ratio Lower Upper
43 100
58 22.2 30.3 90.8#

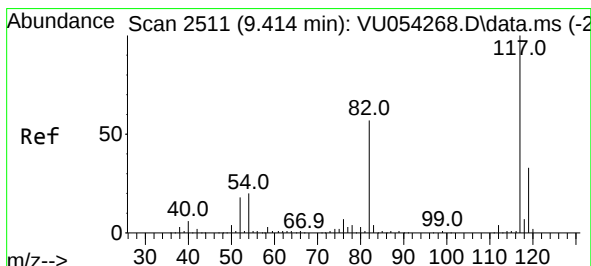
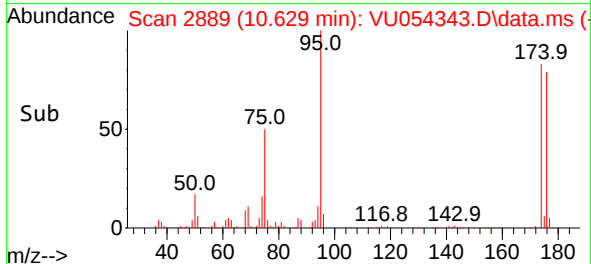
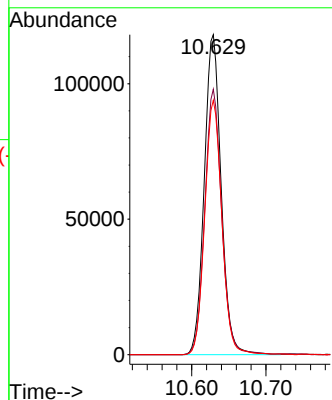
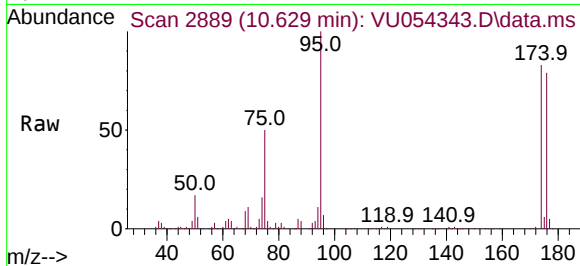




#62
4-Bromofluorobenzene
Concen: 43.956 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

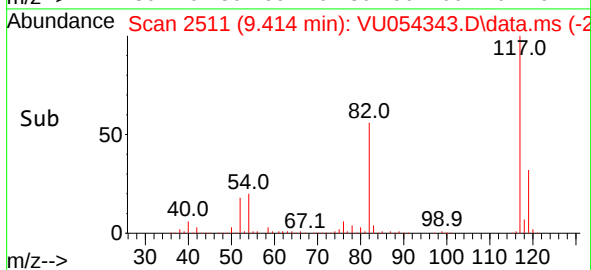
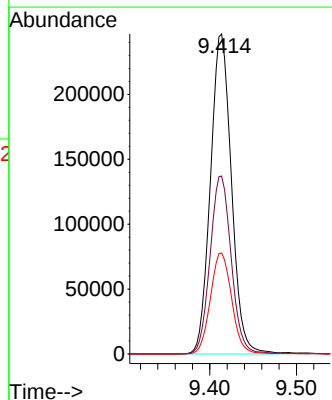
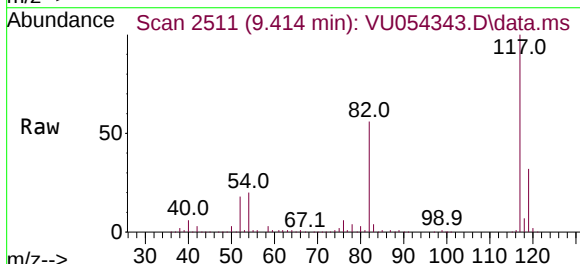
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

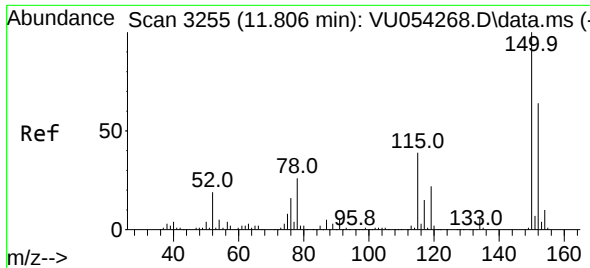
Tgt Ion: 95 Resp: 186416
Ion Ratio Lower Upper
95 100
174 83.4 0.0 182.0
176 80.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 117 Resp: 415138
Ion Ratio Lower Upper
117 100
82 55.5 41.7 62.5
119 31.6 25.7 38.5

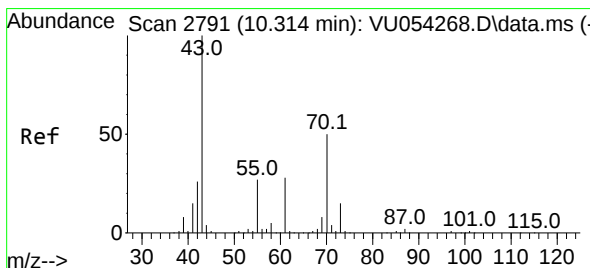
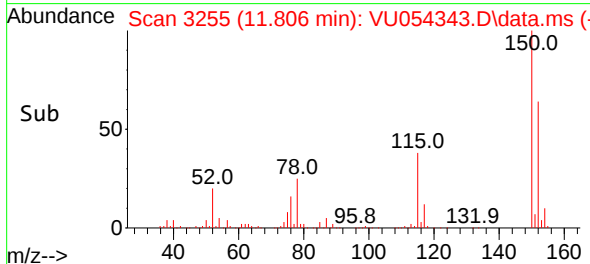
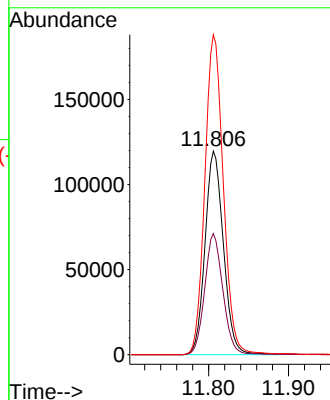
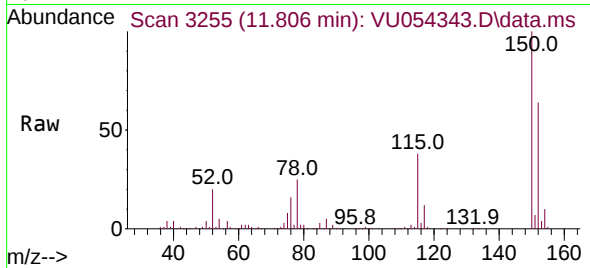




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

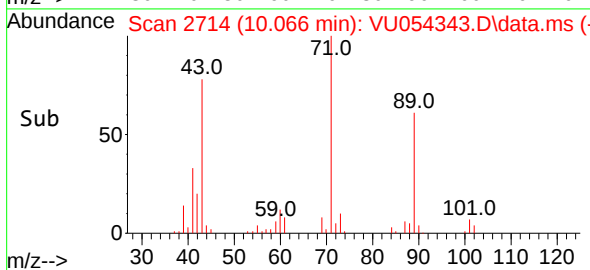
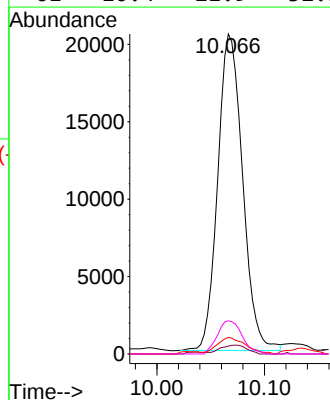
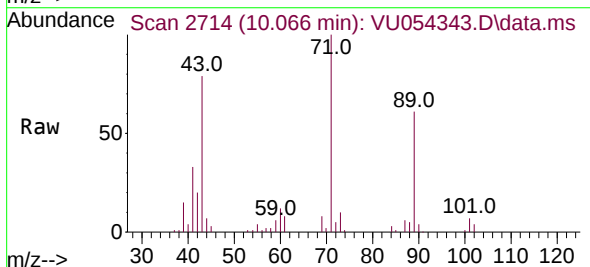
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

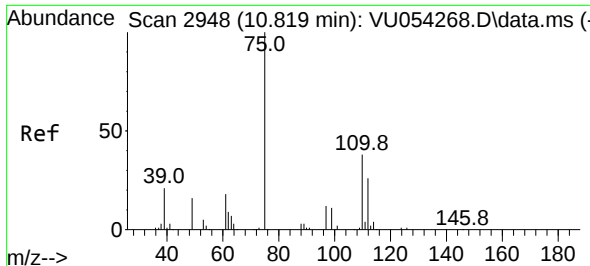
Tgt Ion:152 Resp: 192077
Ion Ratio Lower Upper
152 100
115 58.7 37.0 110.9
150 157.4 0.0 342.2



#74
N-ethyl acetate
Concen: 6.513 ug/l
RT: 10.066 min Scan# 2714
Delta R.T. -0.248 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

Tgt Ion: 43 Resp: 32896
Ion Ratio Lower Upper
43 100
70 2.9 38.7 58.1#
55 6.0 21.8 32.8#
61 10.4 21.9 32.9#

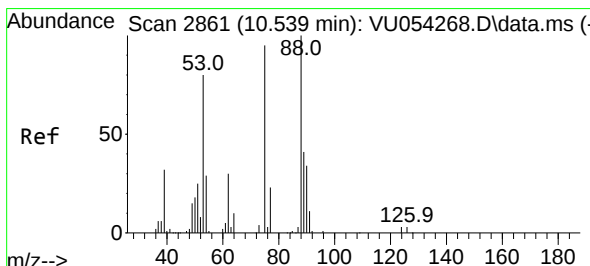
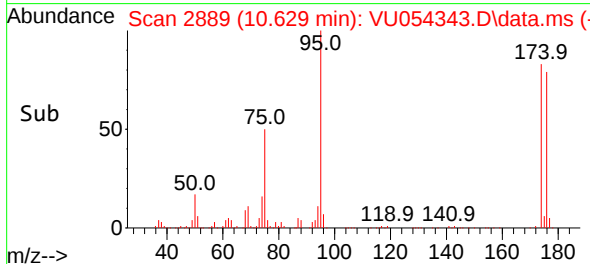
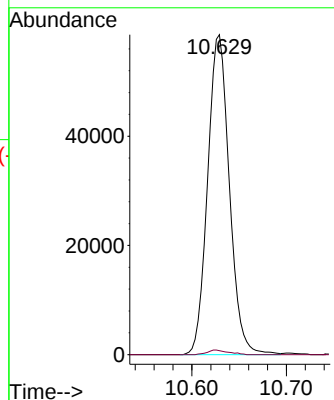
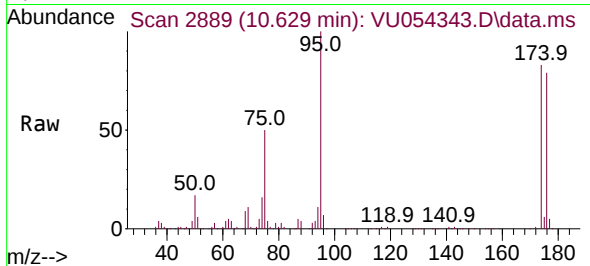




#76
1,2,3-Trichloropropane
Concen: 16.689 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

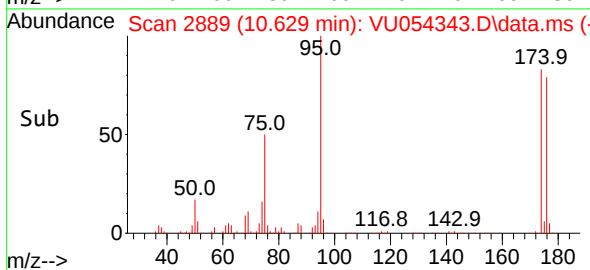
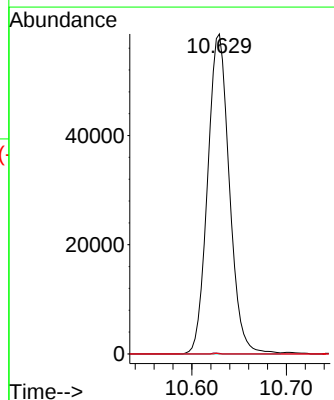
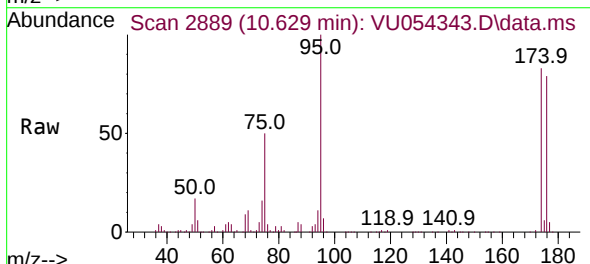
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02

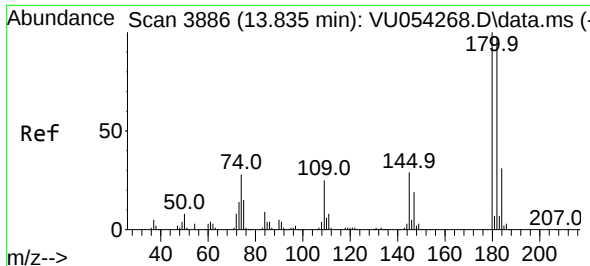
Tgt Ion: 75 Resp: 93556
Ion Ratio Lower Upper
75 100
77 1.4 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.550 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

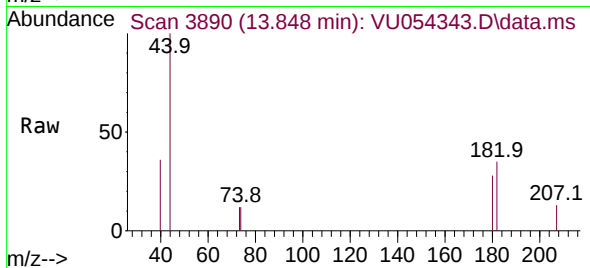
Tgt Ion: 75 Resp: 93556
Ion Ratio Lower Upper
75 100
53 0.1 69.2 103.8#
89 0.0 37.0 55.6#



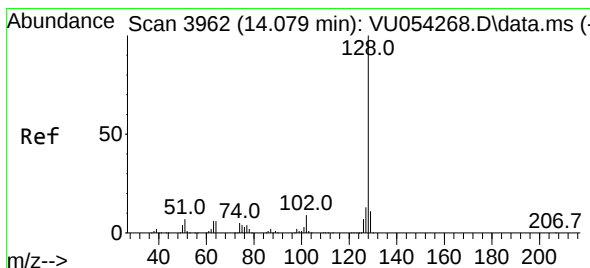
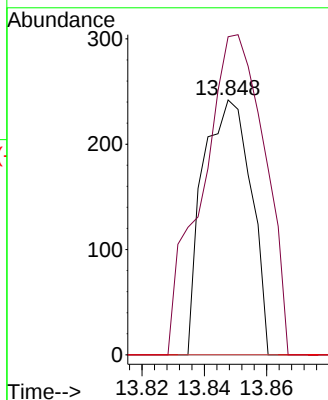
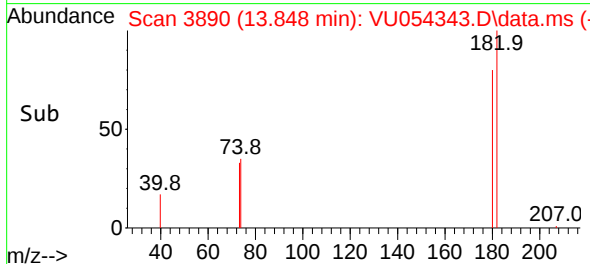


#93
1,2,4-Trichlorobenzene
Concen: 1.700 ug/l
RT: 13.848 min Scan# 3886
Delta R.T. 0.013 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24

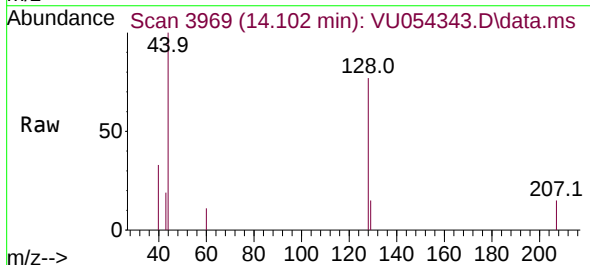
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#02



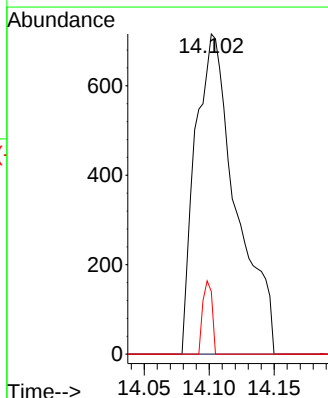
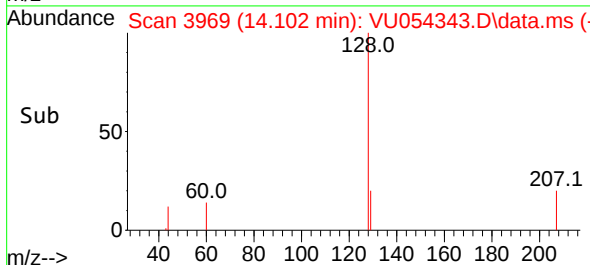
Tgt Ion:180 Resp: 260
Ion Ratio Lower Upper
180 100
182 162.7 47.9 143.6#
145 0.0 14.0 41.9#

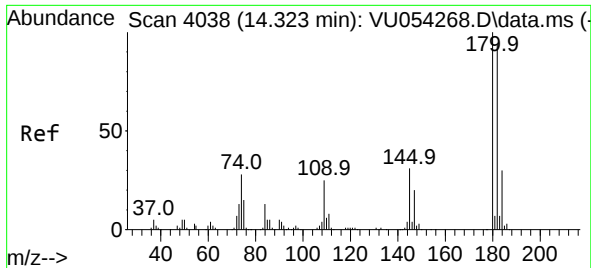


#95
Naphthalene
Concen: 2.097 ug/l
RT: 14.102 min Scan# 3969
Delta R.T. 0.023 min
Lab File: VU054343.D
Acq: 31 May 2023 17:24



Tgt Ion:128 Resp: 1564
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.2 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.289 ug/l

RT: 14.330 min Scan# 40

Delta R.T. 0.007 min

Lab File: VU054343.D

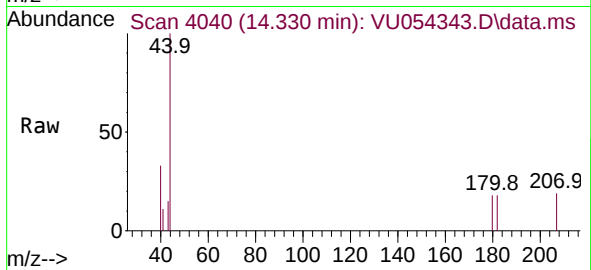
Acq: 31 May 2023 17:24

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#02



Tgt Ion:180 Resp: 155

Ion Ratio Lower Upper

180 100

182 91.0 48.4 145.0

145 0.0 14.8 44.4#

