

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054349.D
 Acq On : 31 May 2023 19:46
 Operator : JC/MD
 Sample : PB153123ZHE#08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB153123ZHE#08

Quant Time: Jun 01 05:26:01 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)

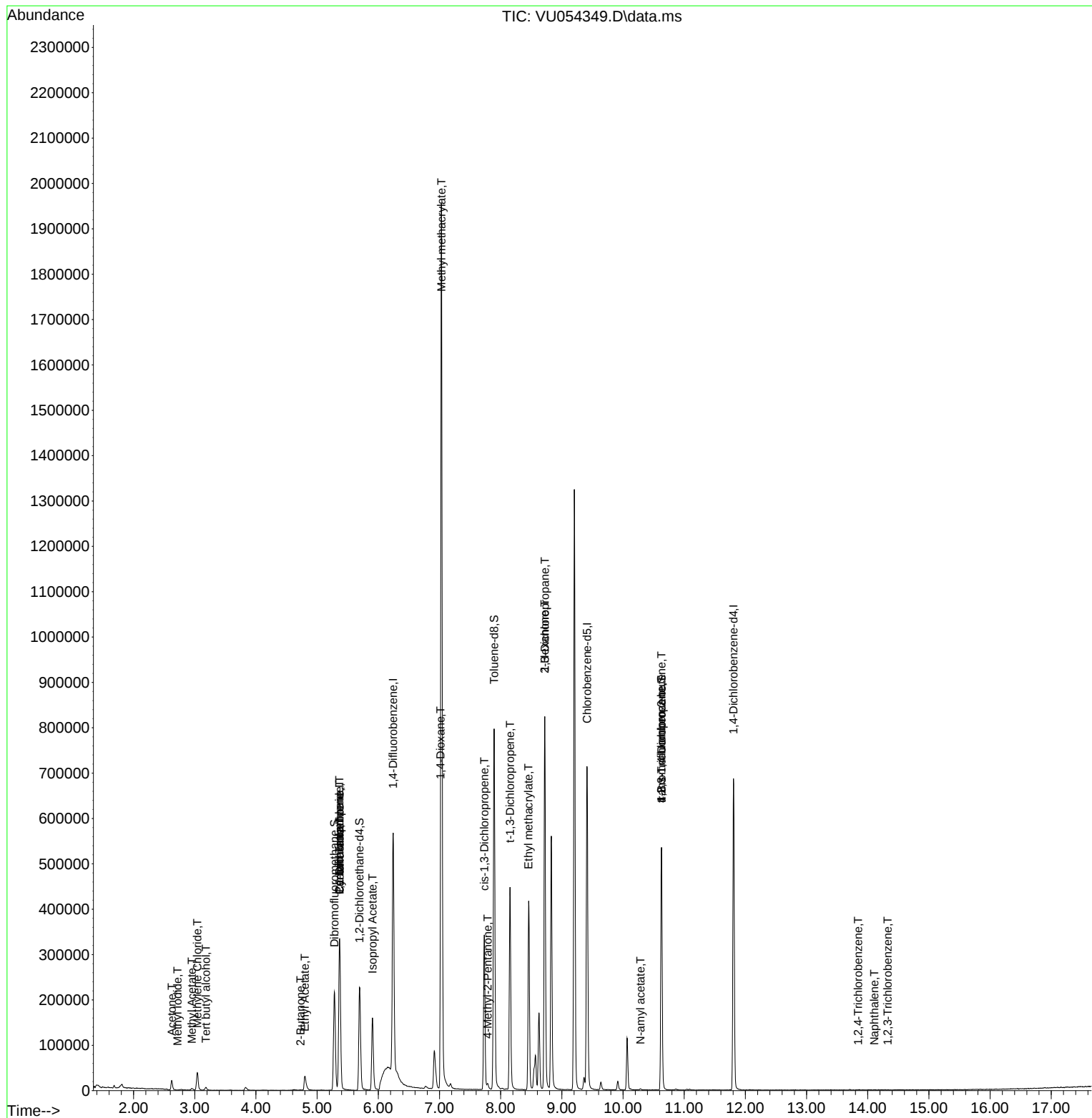
Internal Standards						
1) Pentafluorobenzene	5.369	168	242773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	436373	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	404815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	188875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	171877	54.007	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.020%			
35) Dibromofluoromethane	5.282	113	141811	50.464	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.920%			
50) Toluene-d8	7.893	98	528447	49.439	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.880%			
62) 4-Bromofluorobenzene	10.629	95	179160	43.228	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.460%			
Target Compounds						Qvalue
10) Methyl Iodide	2.719	142	21	2.338	ug/l #	43
11) Tert butyl alcohol	3.182	59	4404	5.123	ug/l #	37
16) Acetone	2.623	43	24023	13.169	ug/l	97
18) Methyl Acetate	2.951	43	5845	0.878	ug/l #	85
20) Methylene Chloride	3.041	84	20626	6.267	ug/l	95
25) 2-Butanone	4.732	43	1696	0.702	ug/l	93
31) Cyclohexane	5.369	56	4664	1.038	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	18356	4.159	ug/l #	50
37) Ethyl Acetate	4.800	43	43796	8.142	ug/l #	92
38) Carbon Tetrachloride	5.366	117	23332	5.165	ug/l #	16
43) Isopropyl Acetate	5.906	43	168350	22.689	ug/l	98
48) Methyl methacrylate	7.031	41	153368	46.610	ug/l #	33
49) 1,4-Dioxane	7.015	88	72	0.758	ug/l #	58
51) 4-Methyl-2-Pentanone	7.787	43	8367	1.690	ug/l	88
53) t-1,3-Dichloropropene	8.153	75	1137	0.220	ug/l #	43
54) cis-1,3-Dichloropropene	7.732	75	62604	11.597	ug/l #	61
56) Ethyl methacrylate	8.456	69	2278	0.460	ug/l #	1
57) 1,3-Dichloropropane	8.722	76	8167	1.425	ug/l #	42
59) 2-Hexanone	8.719	43	107806	27.562	ug/l #	49
74) N-amyl acetate	10.285	43	1131	0.228	ug/l #	39
76) 1,2,3-Trichloropropane	10.629	75	92143	16.715	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.629	75	92143	63.651	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.841	180	253	1.700	ug/l #	57
95) Naphthalene	14.108	128	781	2.045	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.327	180	125	1.283	ug/l #	62

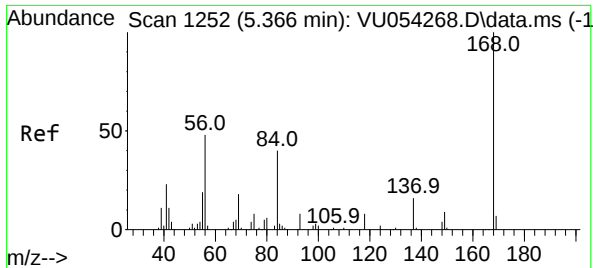
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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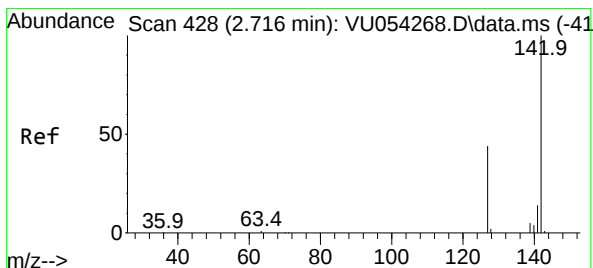
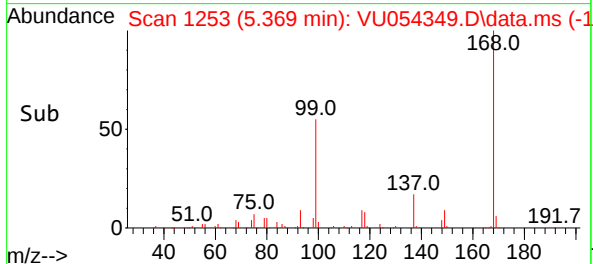
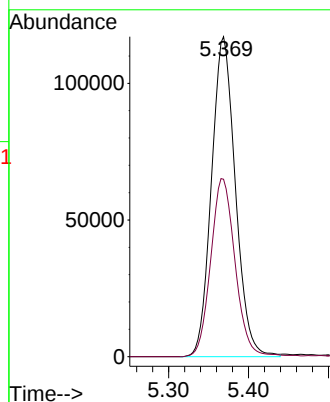
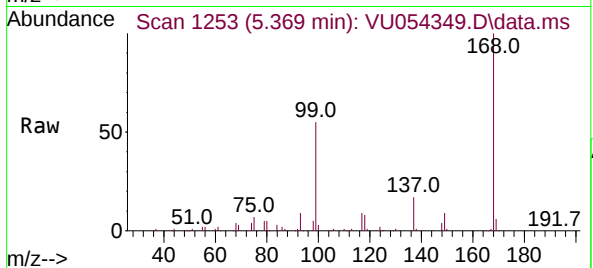




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

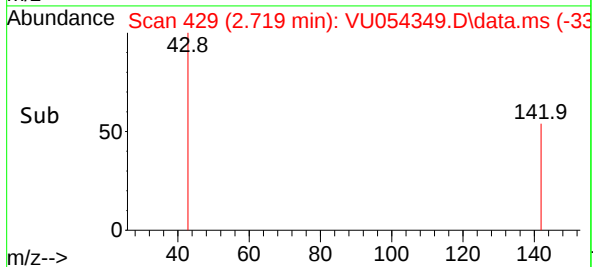
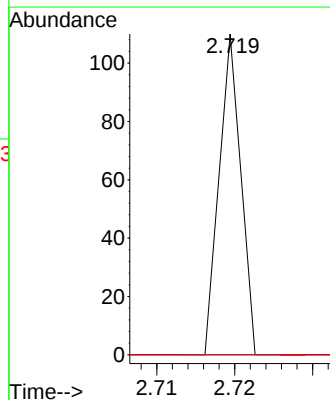
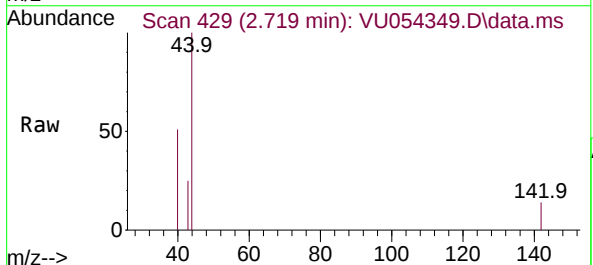
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#08

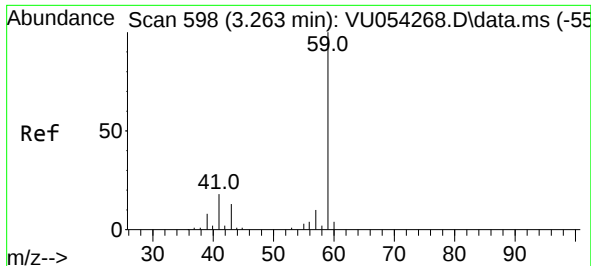
Tgt Ion:168 Resp: 242773
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#10
Methyl Iodide
Concen: 2.338 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.003 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#

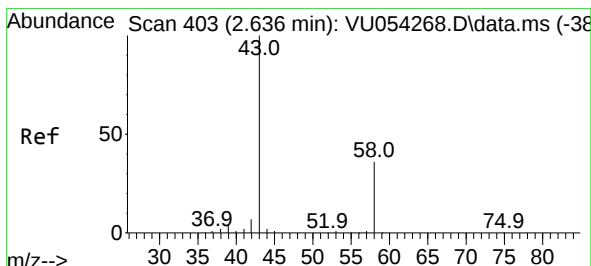
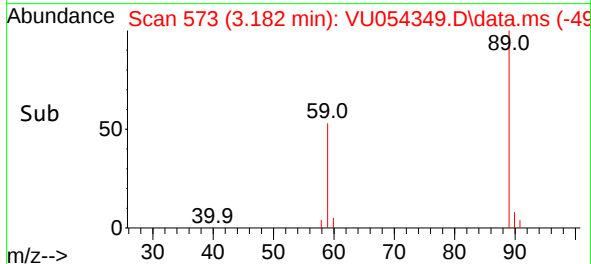
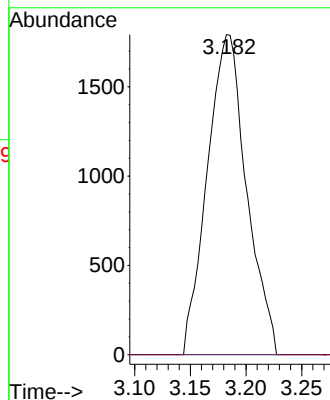
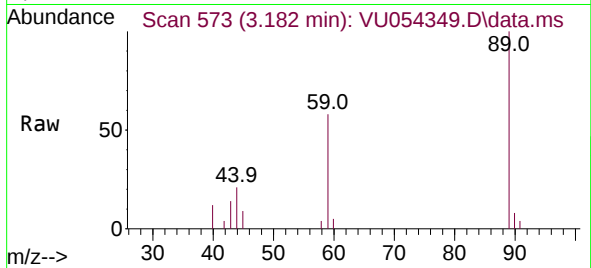




#11
Tert butyl alcohol
Concen: 5.123 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.061 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

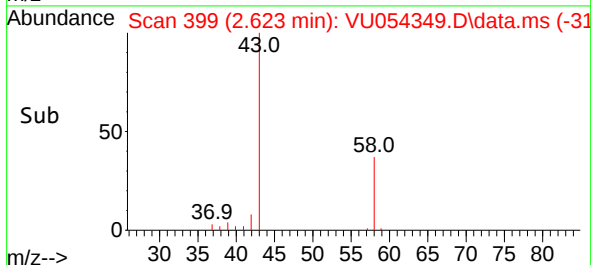
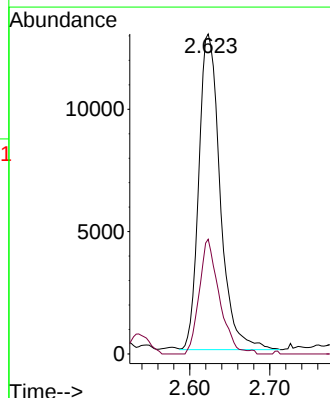
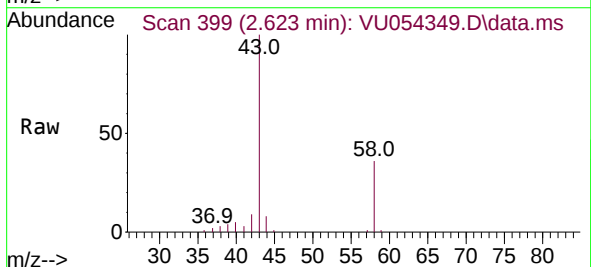
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#08

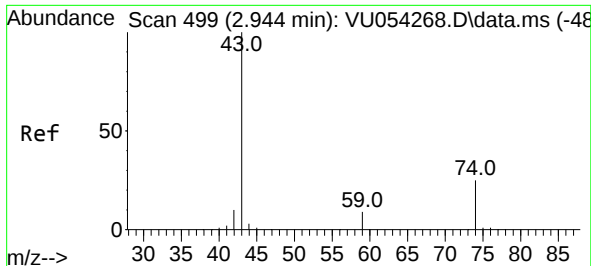
Tgt Ion: 59 Resp: 4404
Ion Ratio Lower Upper
59 100
57 0.0 30.6 45.8#



#16
Acetone
Concen: 13.169 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 43 Resp: 24023
Ion Ratio Lower Upper
43 100
58 36.3 27.5 41.3

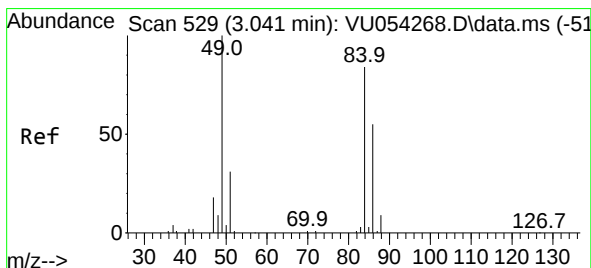
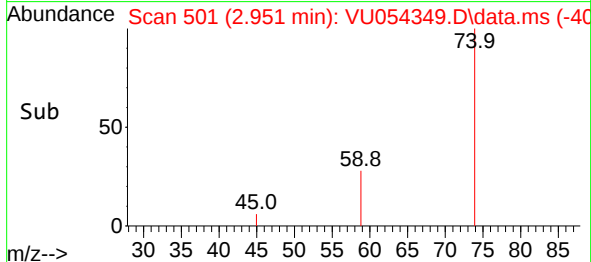
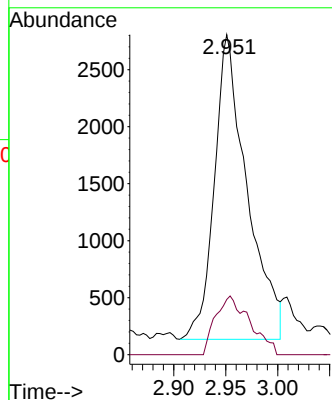
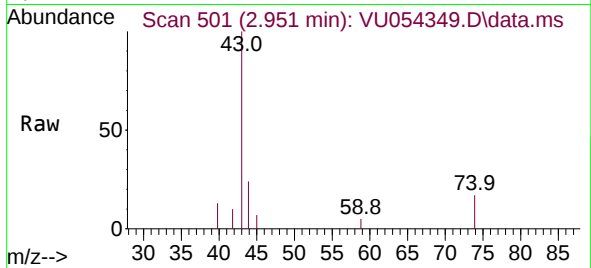




#18
Methyl Acetate
Concen: 0.878 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.007 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

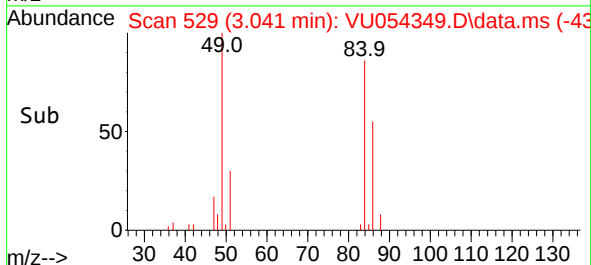
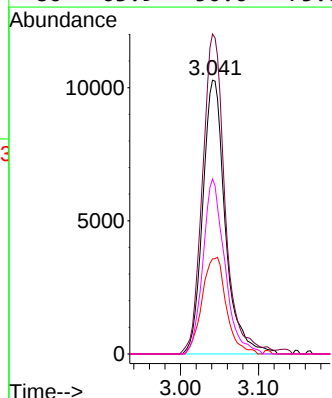
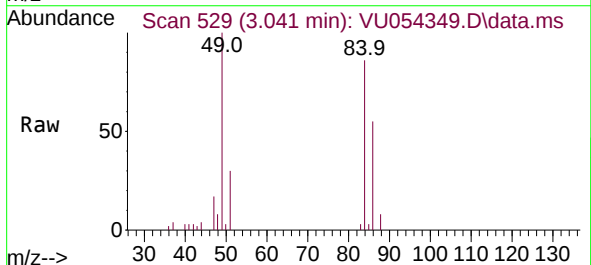
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#08

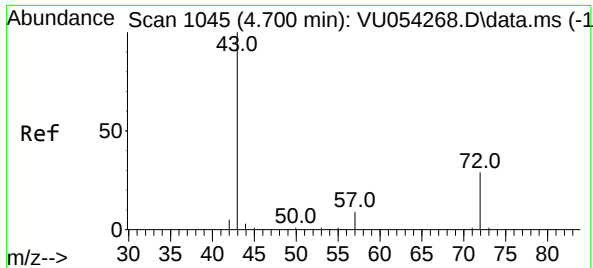
Tgt Ion: 43 Resp: 5845
Ion Ratio Lower Upper
43 100
74 20.4 22.5 33.7#



#20
Methylene Chloride
Concen: 6.267 ug/l
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 84 Resp: 20626
Ion Ratio Lower Upper
84 100
49 116.9 86.6 129.8
51 34.7 26.6 40.0
86 63.9 50.6 75.8

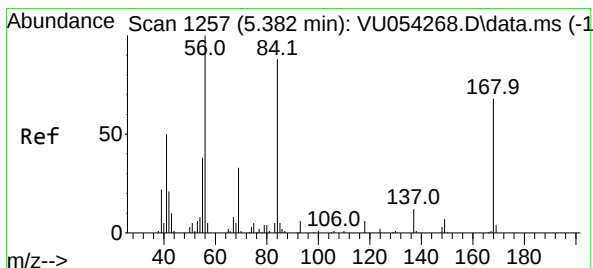
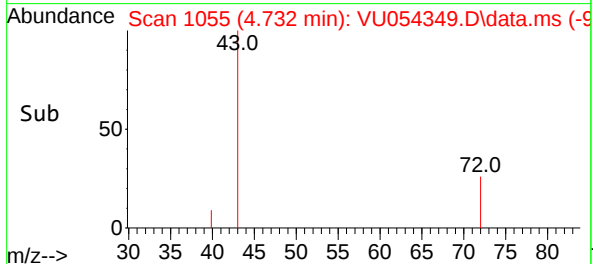
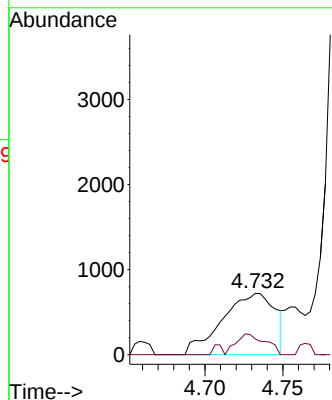
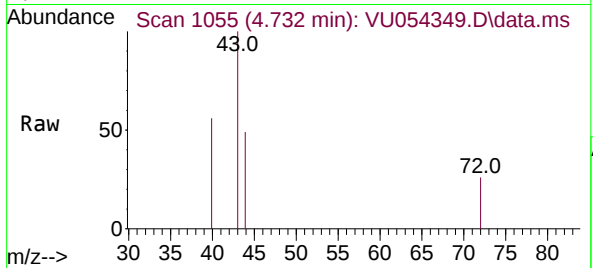




#25
2-Butanone
Concen: 0.702 ug/l
RT: 4.732 min Scan# 1055
Delta R.T. 0.032 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

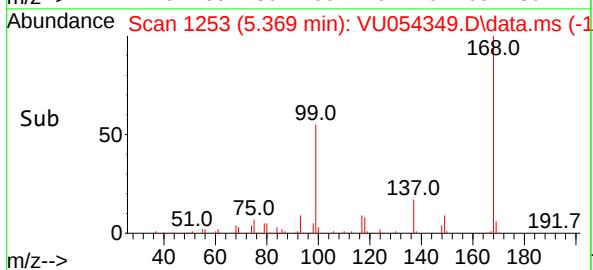
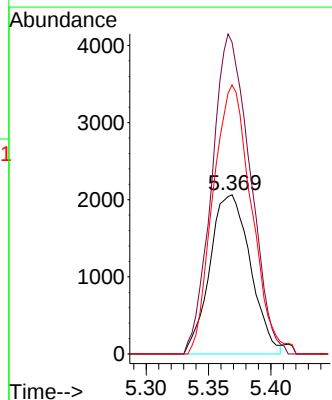
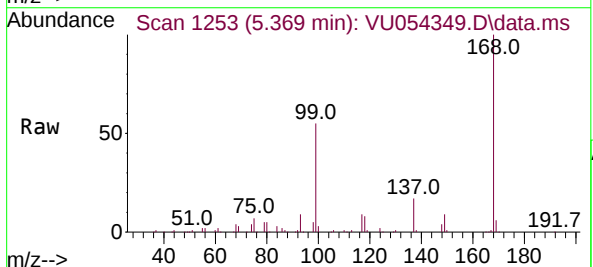
Instrument :
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ClientSampleId :
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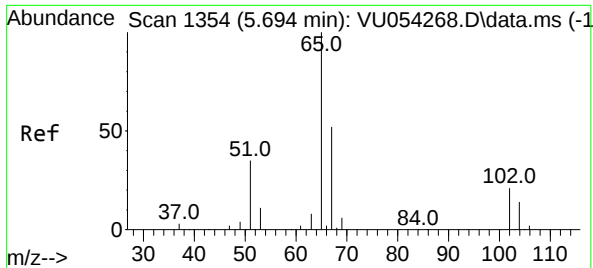
Tgt Ion: 43 Resp: 1696
Ion Ratio Lower Upper
43 100
72 25.8 23.8 35.6



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.013 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 56 Resp: 4664
Ion Ratio Lower Upper
56 100
69 195.7 27.8 41.8#
84 168.9 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 54.007 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

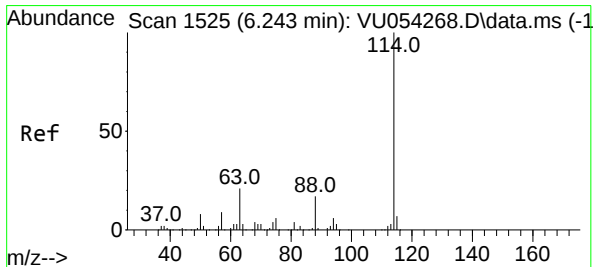
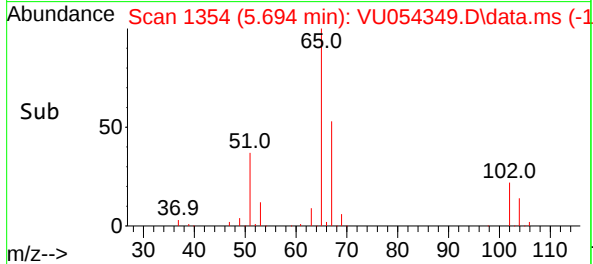
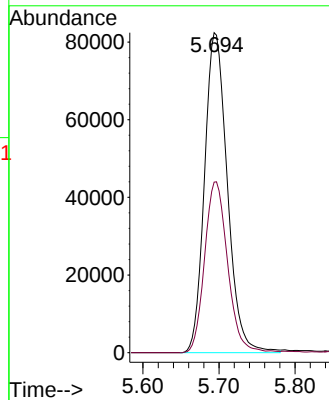
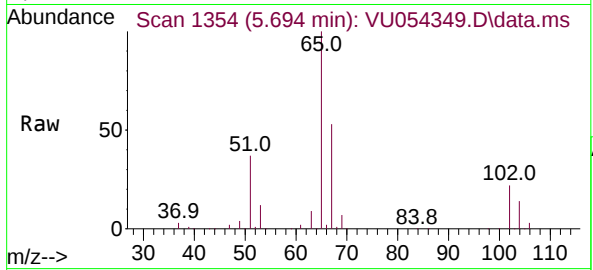
PB153123ZHE#08

Tgt Ion: 65 Resp: 171877

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

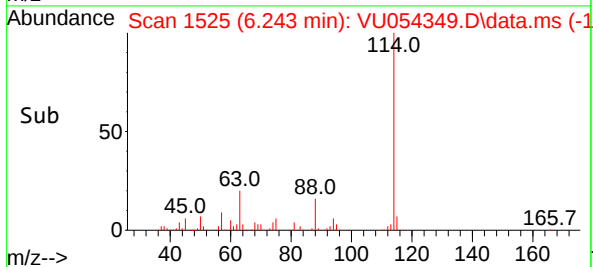
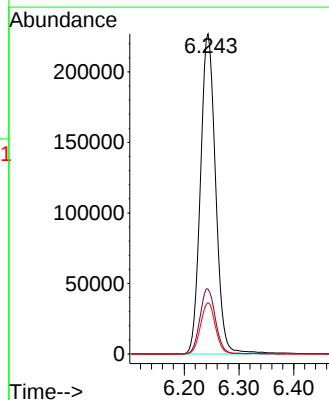
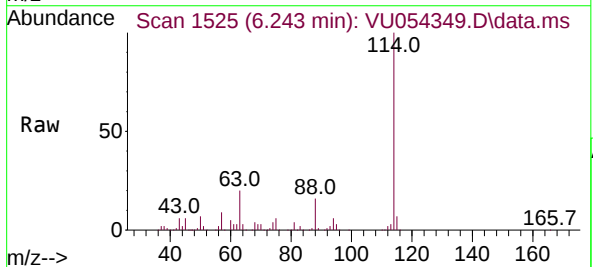
Tgt Ion: 114 Resp: 436373

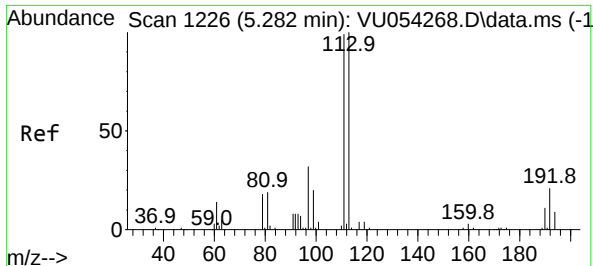
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.8

88 16.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 50.464 ug/l

RT: 5.282 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#08

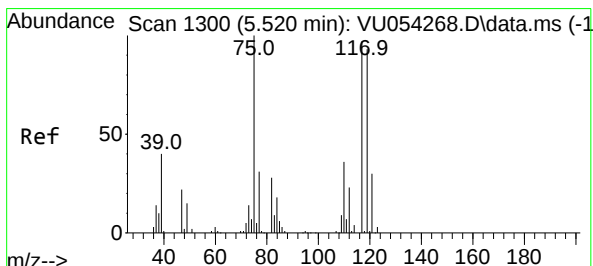
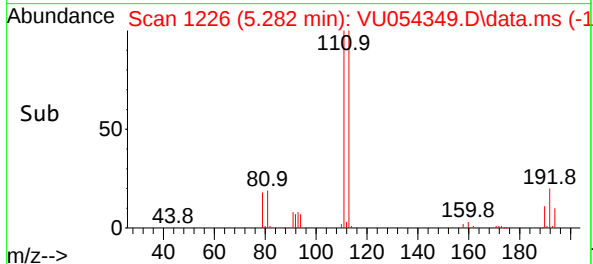
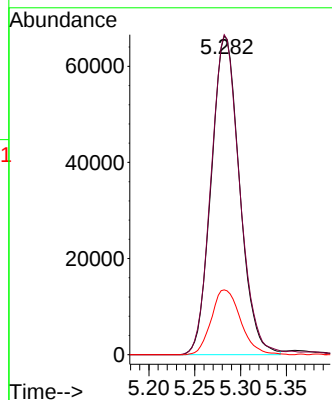
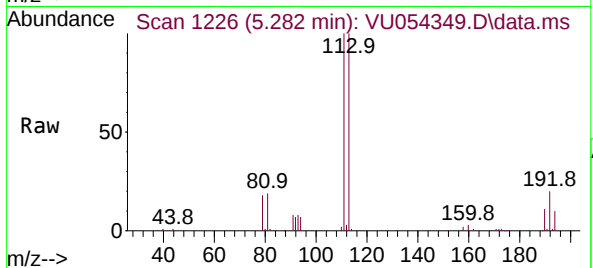
Tgt Ion:113 Resp: 141811

Ion Ratio Lower Upper

113 100

111 101.3 82.1 123.1

192 21.2 18.0 27.0



#36

1,1-Dichloropropene

Concen: 4.159 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.154 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

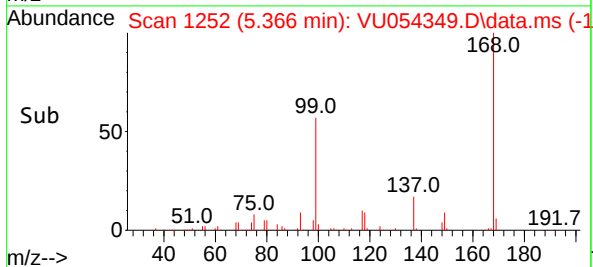
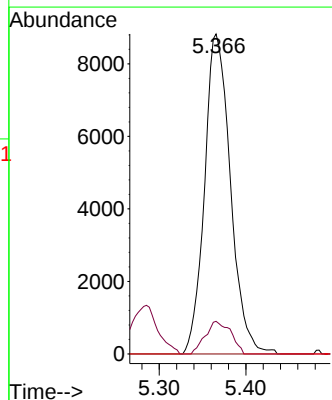
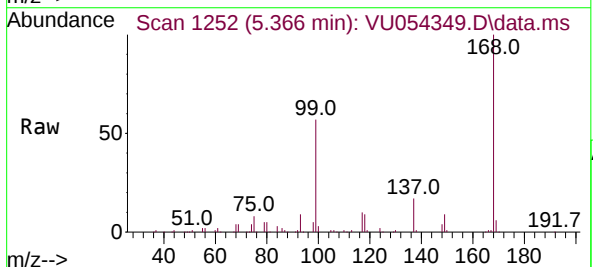
Tgt Ion: 75 Resp: 18356

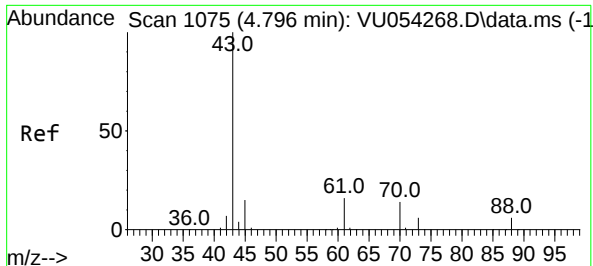
Ion Ratio Lower Upper

75 100

110 10.0 18.4 55.2#

77 0.0 25.1 37.7#

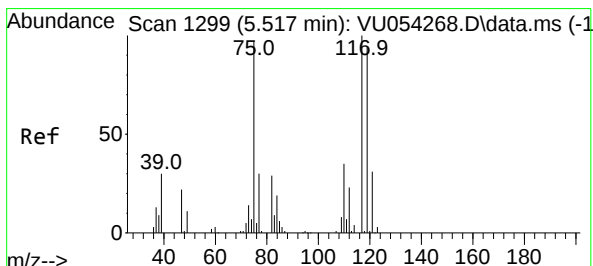
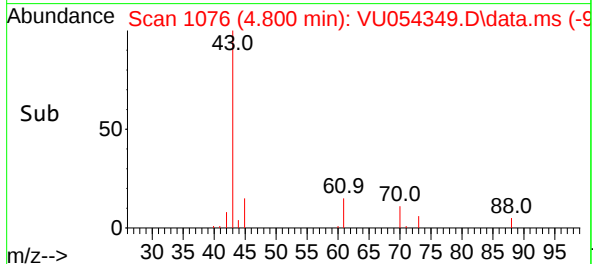
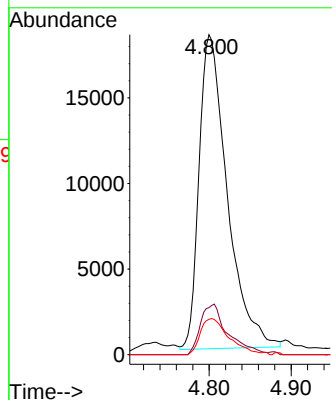
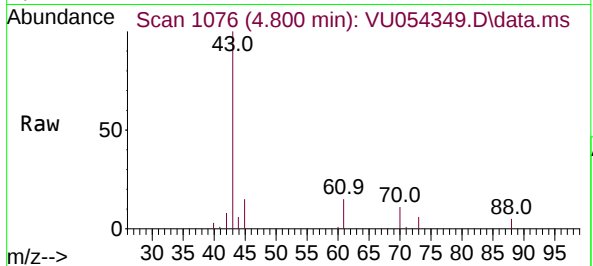




#37
Ethyl Acetate
Concen: 8.142 ug/l
RT: 4.800 min Scan# 1075
Delta R.T. 0.004 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

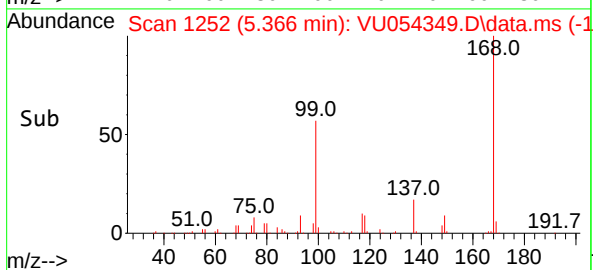
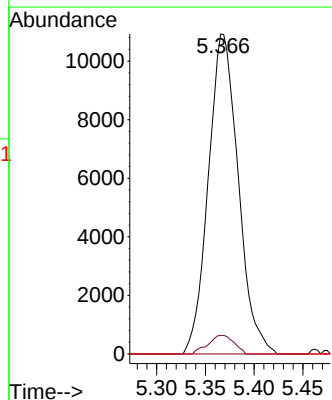
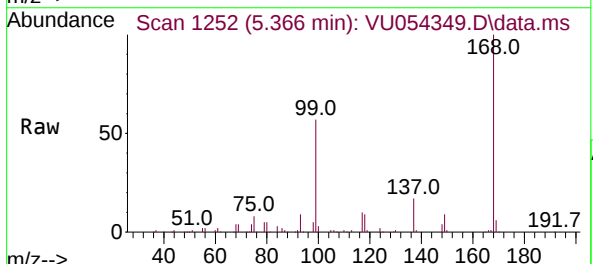
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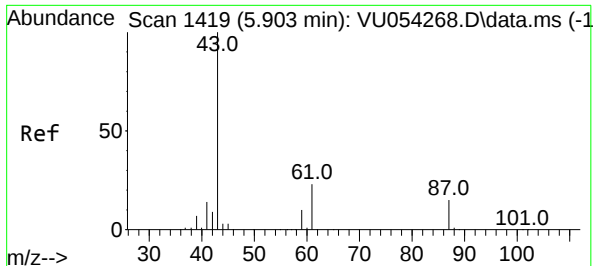
Tgt Ion: 43 Resp: 43796
Ion Ratio Lower Upper
43 100
61 15.6 9.5 14.3#
70 11.8 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.165 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.151 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 117 Resp: 23332
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 22.689 ug/l

RT: 5.906 min Scan# 1419

Delta R.T. 0.003 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#08

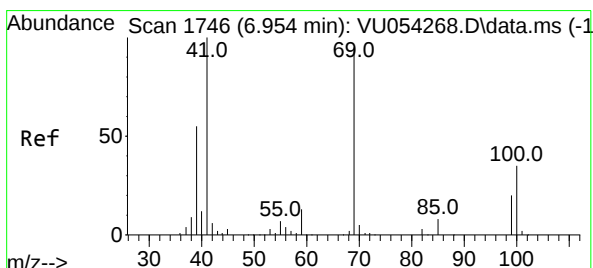
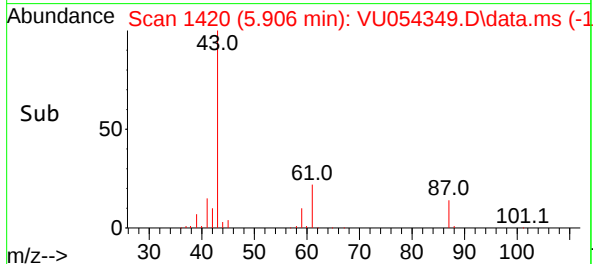
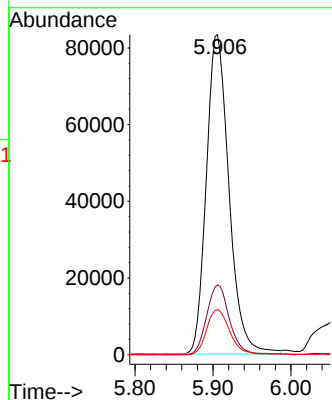
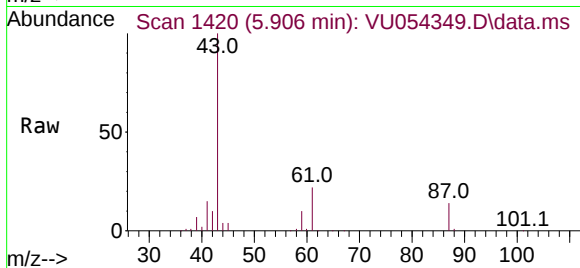
Tgt Ion: 43 Resp: 168350

Ion Ratio Lower Upper

43 100

61 22.0 17.4 26.0

87 14.2 12.6 18.8



#48

Methyl methacrylate

Concen: 46.610 ug/l

RT: 7.031 min Scan# 1770

Delta R.T. 0.077 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

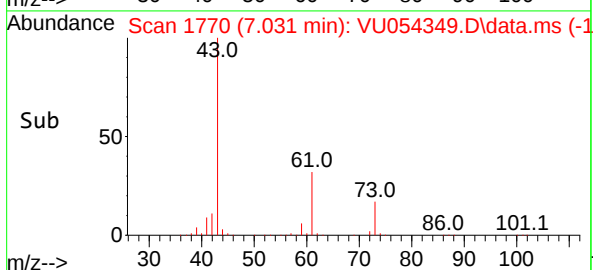
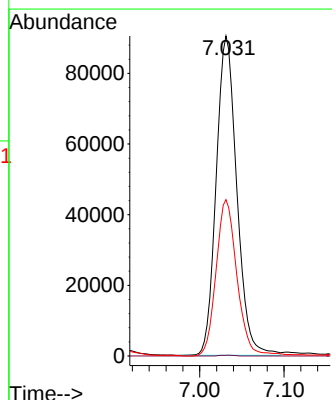
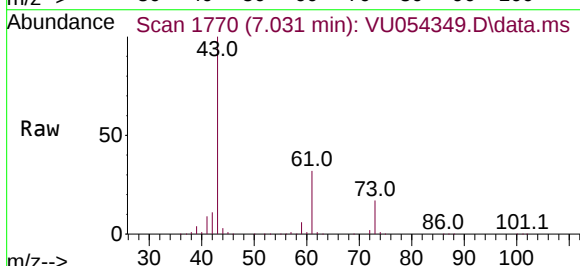
Tgt Ion: 41 Resp: 153368

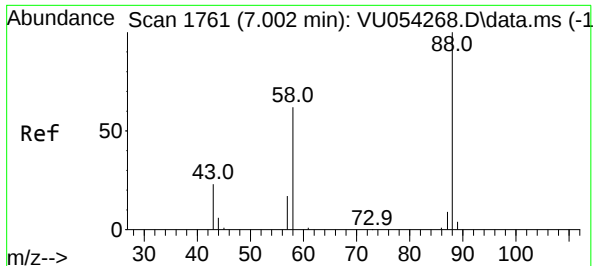
Ion Ratio Lower Upper

41 100

69 0.2 79.8 119.6#

39 50.0 47.9 71.9





#49

1,4-Dioxane

Concen: 0.758 ug/l

RT: 7.015 min Scan# 11

Delta R.T. 0.013 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#08

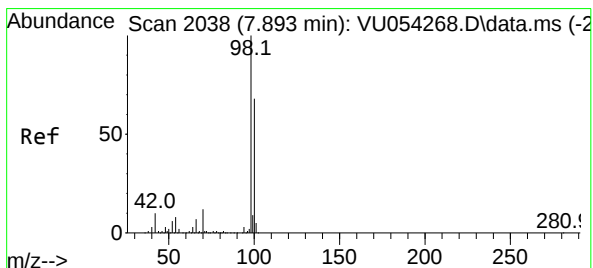
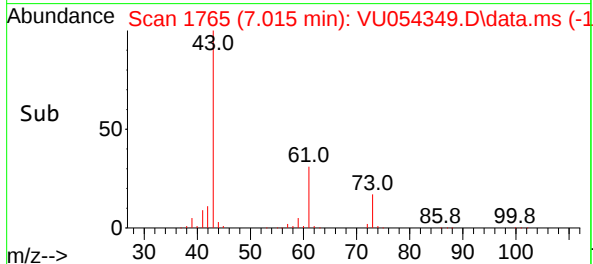
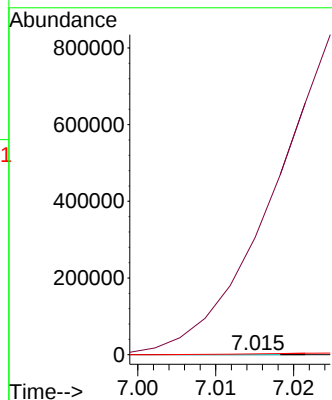
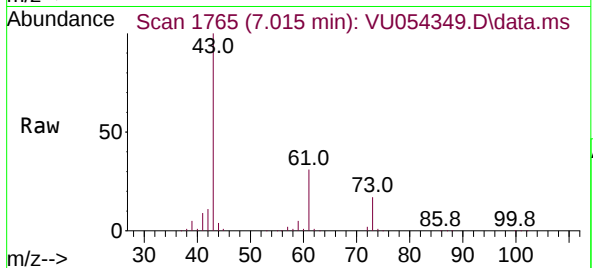
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 15.4 23.0#



#50

Toluene-d8

Concen: 49.439 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054349.D

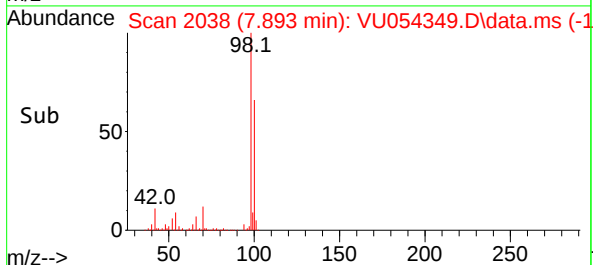
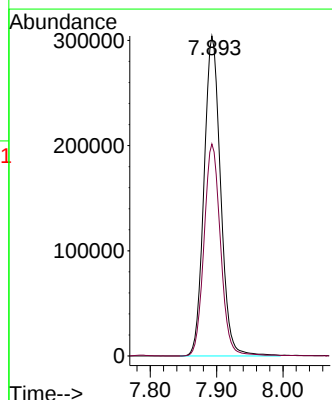
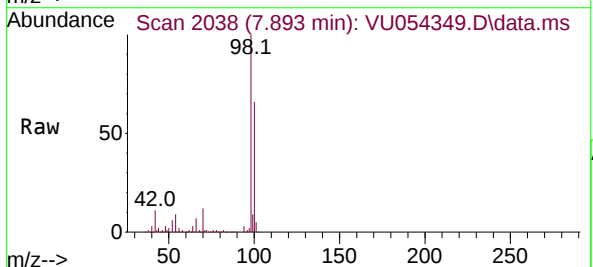
Acq: 31 May 2023 19:46

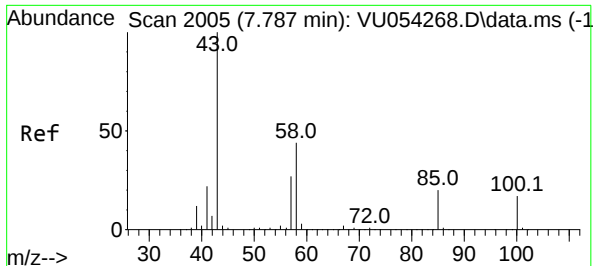
Tgt Ion: 98 Resp: 528447

Ion Ratio Lower Upper

98 100

100 65.8 51.7 77.5

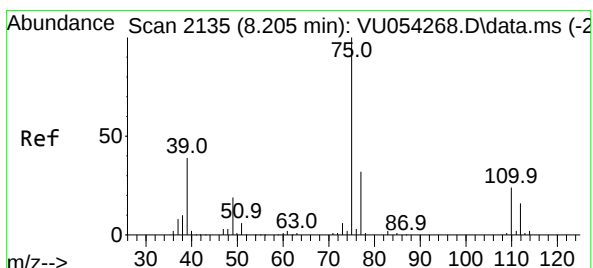
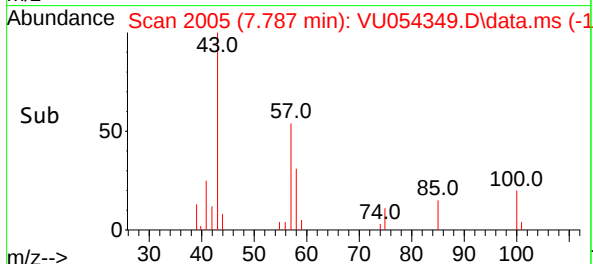
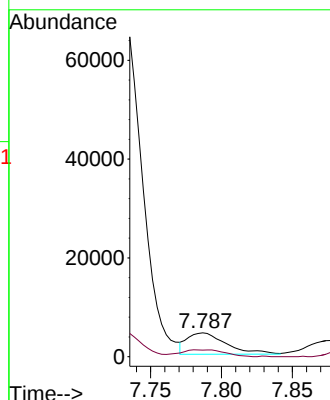
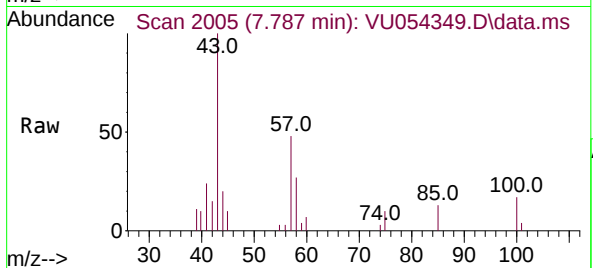




#51
4-Methyl-2-Pentanone
Concen: 1.690 ug/l
RT: 7.787 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

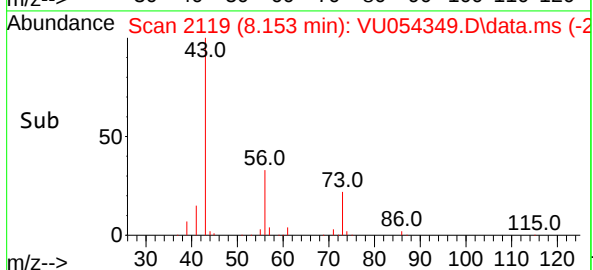
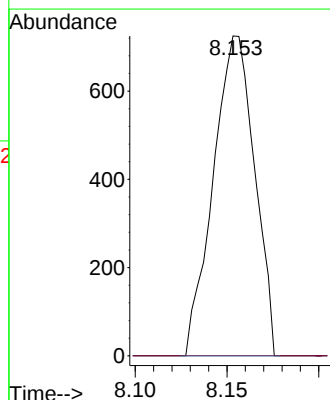
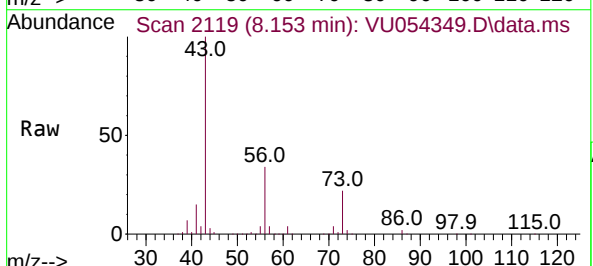
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#08

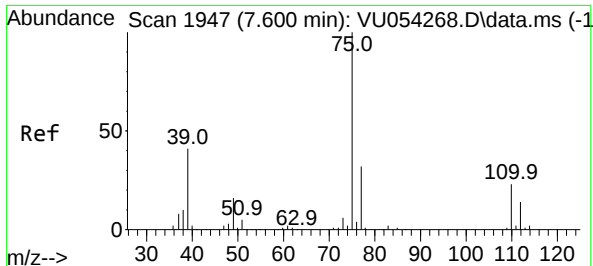
Tgt Ion: 43 Resp: 8367
Ion Ratio Lower Upper
43 100
58 35.7 34.7 52.1



#53
t-1,3-Dichloropropene
Concen: 0.220 ug/l
RT: 8.153 min Scan# 2119
Delta R.T. -0.052 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 75 Resp: 1137
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

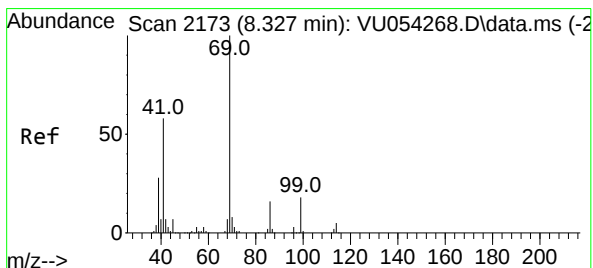
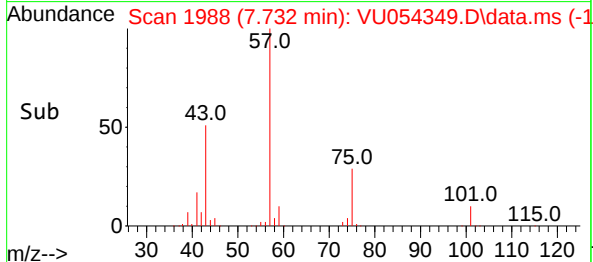
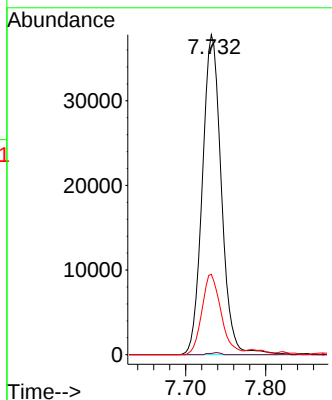
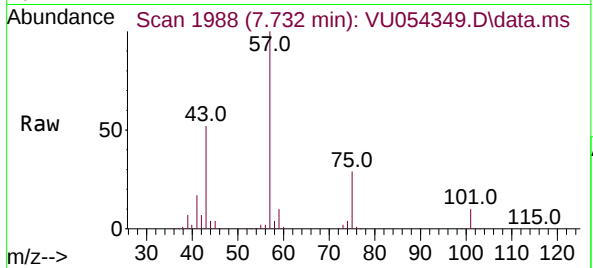




#54
 cis-1,3-Dichloropropene
 Concen: 11.597 ug/l
 RT: 7.732 min Scan# 1947
 Delta R.T. 0.132 min
 Lab File: VU054349.D
 Acq: 31 May 2023 19:46

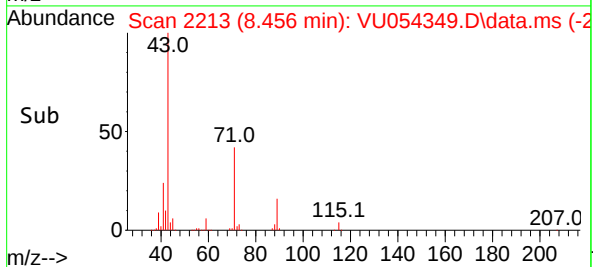
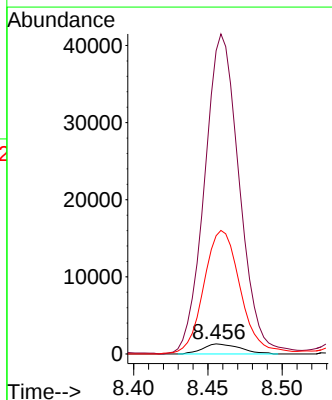
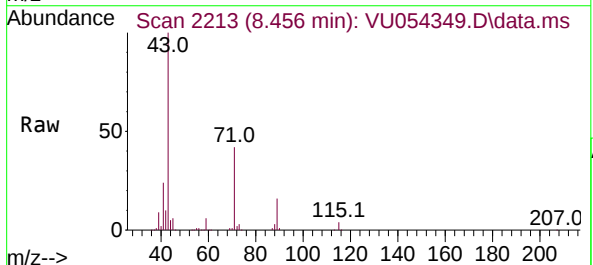
Instrument :
 MSVOA_U
 ClientSampleId :
 PB153123ZHE#08

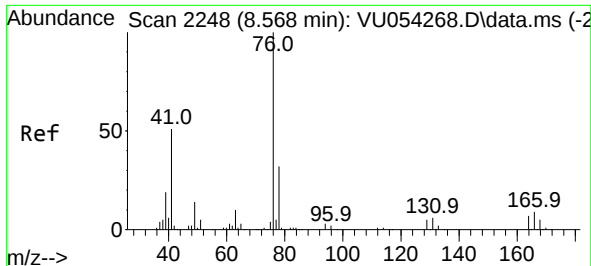
Tgt Ion: 75 Resp: 62604
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 25.1 33.0 49.6#



#56
 Ethyl methacrylate
 Concen: 0.460 ug/l
 RT: 8.456 min Scan# 2213
 Delta R.T. 0.129 min
 Lab File: VU054349.D
 Acq: 31 May 2023 19:46

Tgt Ion: 69 Resp: 2278
 Ion Ratio Lower Upper
 69 100
 41 2977.6 45.4 68.0#
 39 1211.1 25.7 38.5#





#57

1,3-Dichloropropane

Concen: 1.425 ug/l

RT: 8.722 min Scan# 21

Delta R.T. 0.154 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

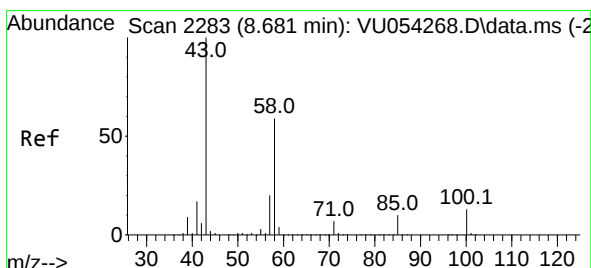
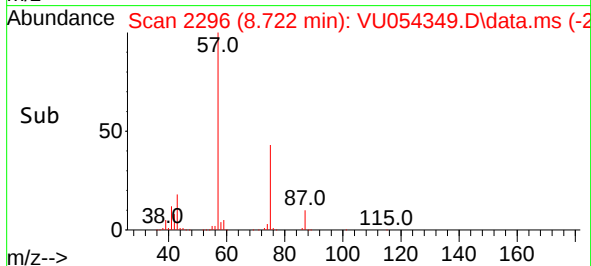
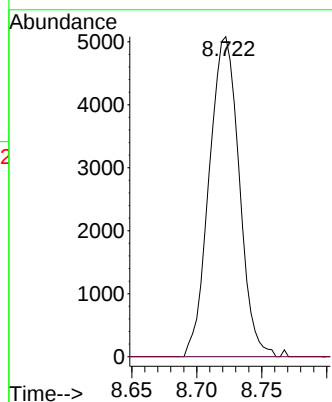
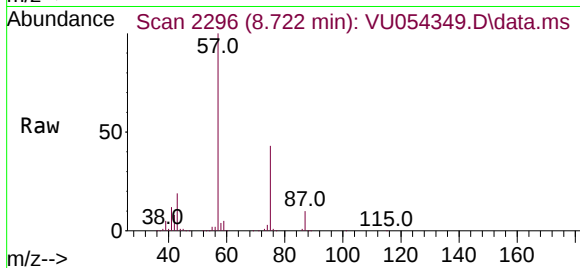
PB153123ZHE#08

Tgt Ion: 76 Resp: 8167

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 27.562 ug/l

RT: 8.719 min Scan# 2295

Delta R.T. 0.038 min

Lab File: VU054349.D

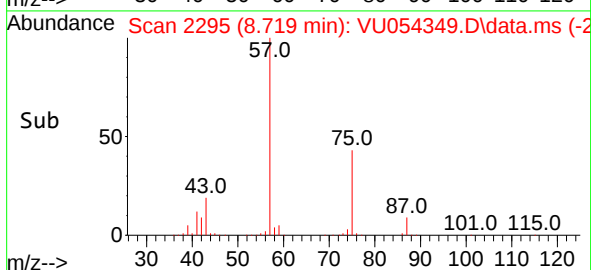
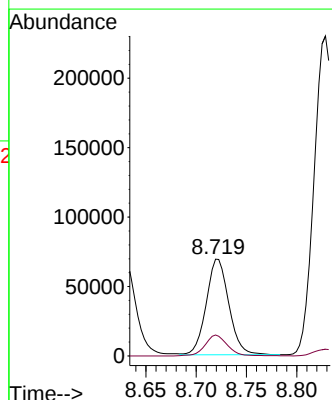
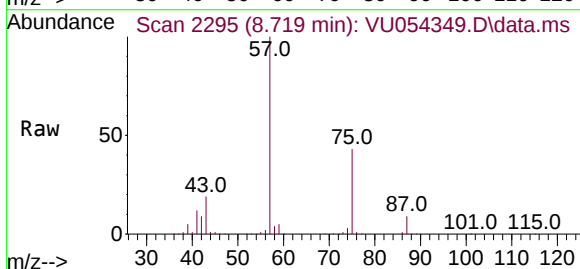
Acq: 31 May 2023 19:46

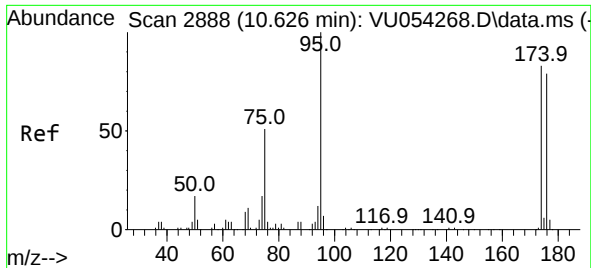
Tgt Ion: 43 Resp: 107806

Ion Ratio Lower Upper

43 100

58 21.9 30.3 90.8#

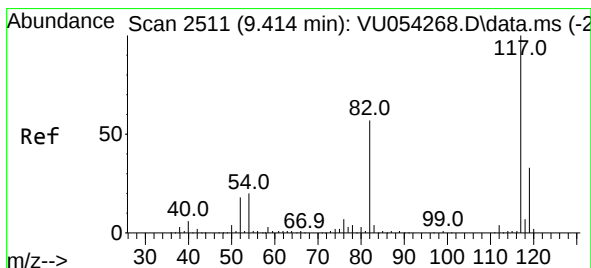
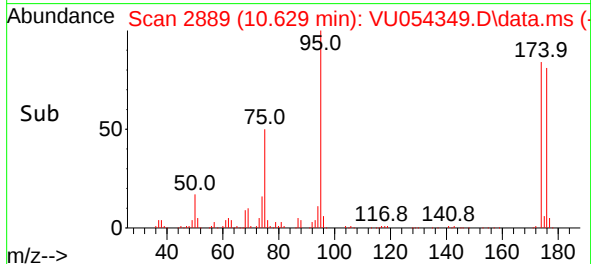
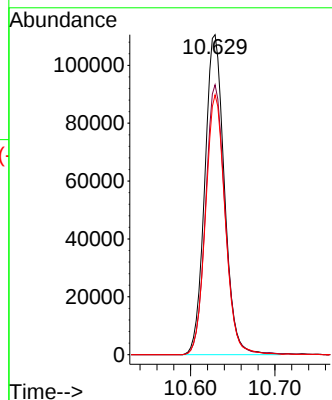
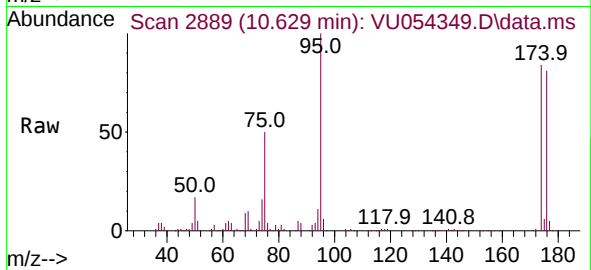




#62
4-Bromofluorobenzene
Concen: 43.228 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

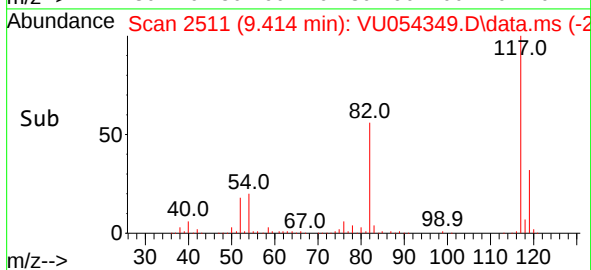
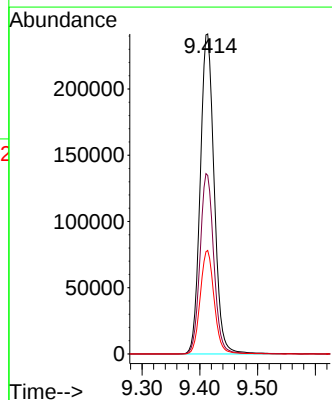
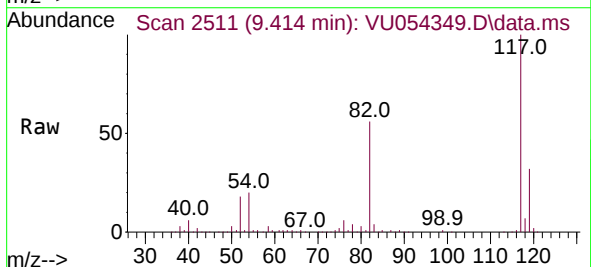
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#08

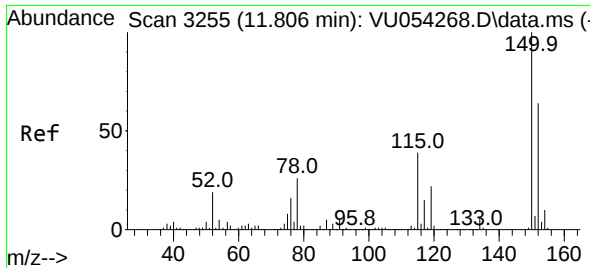
Tgt Ion: 95 Resp: 179160
Ion Ratio Lower Upper
95 100
174 84.2 0.0 182.0
176 81.2 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 117 Resp: 404815
Ion Ratio Lower Upper
117 100
82 55.8 41.7 62.5
119 32.4 25.7 38.5

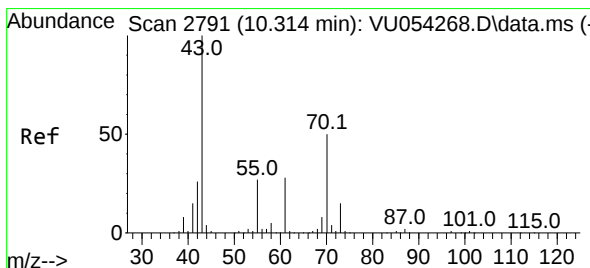
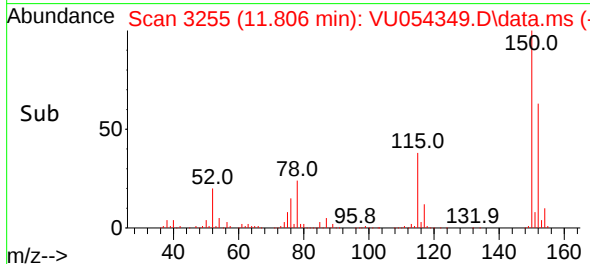
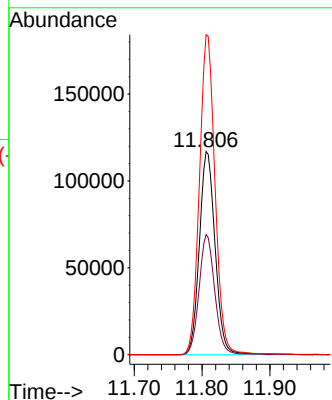
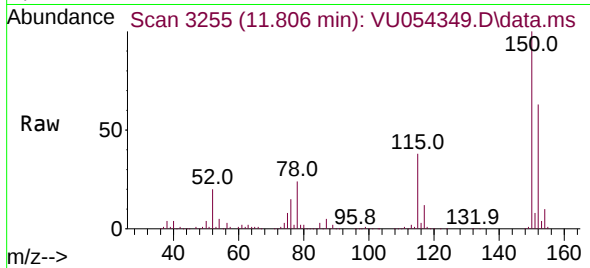




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

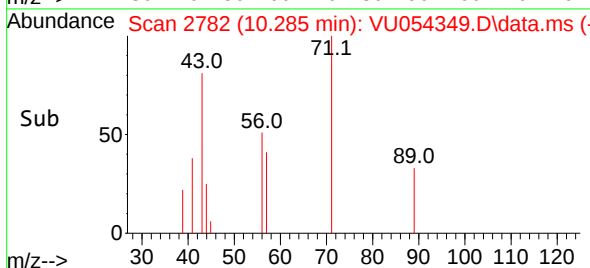
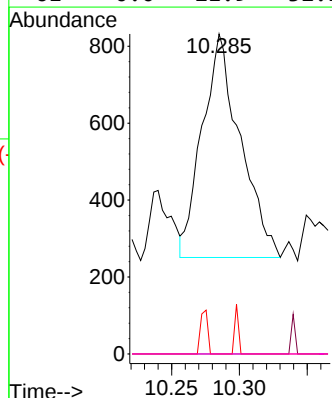
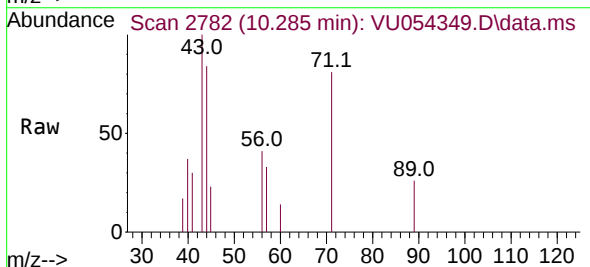
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#08

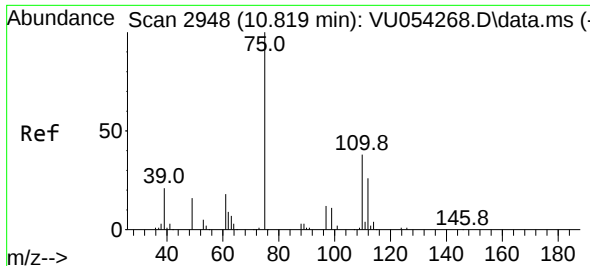
Tgt Ion:152 Resp: 188875
Ion Ratio Lower Upper
152 100
115 58.8 37.0 110.9
150 155.9 0.0 342.2



#74
N-ethyl acetate
Concen: 0.228 ug/l
RT: 10.285 min Scan# 2782
Delta R.T. -0.029 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
70 0.0 38.7 58.1#
55 0.0 21.8 32.8#
61 0.0 21.9 32.9#

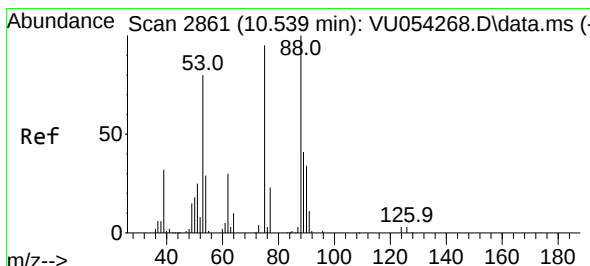
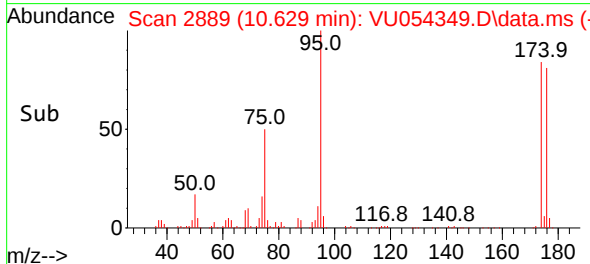
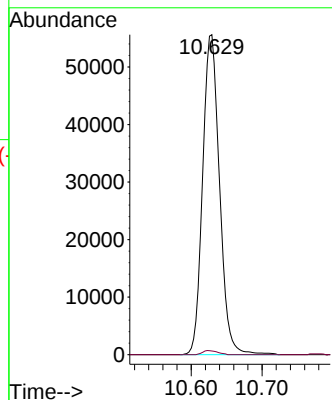
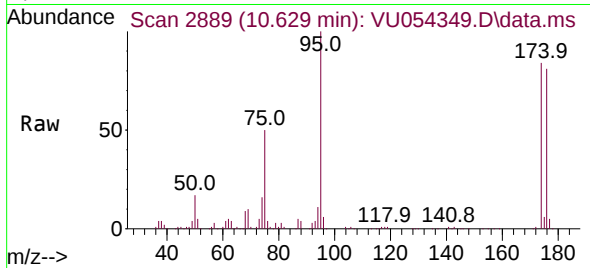




#76
1,2,3-Trichloropropane
Concen: 16.715 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. -0.190 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

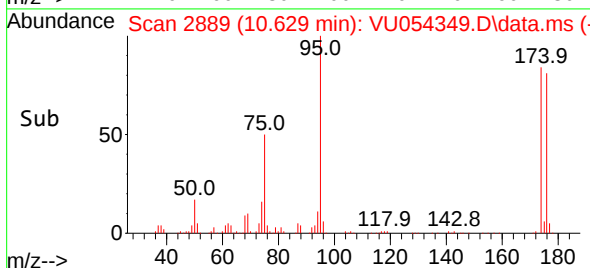
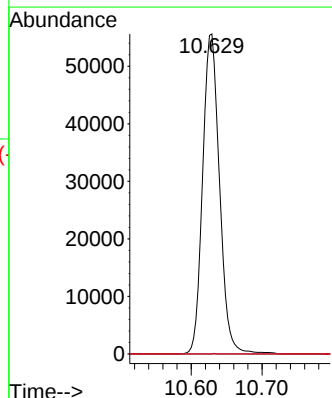
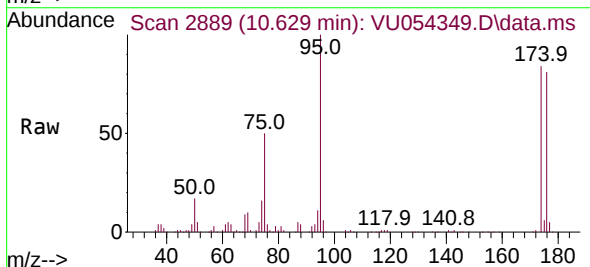
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#08

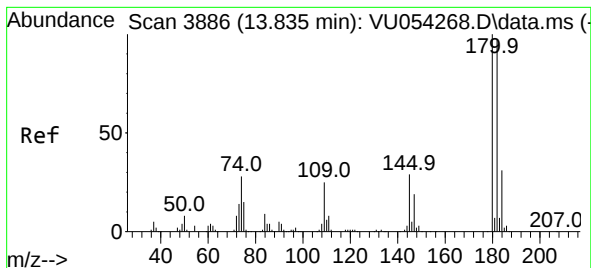
Tgt Ion: 75 Resp: 92143
Ion Ratio Lower Upper
75 100
77 1.2 15.8 47.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.651 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.090 min
Lab File: VU054349.D
Acq: 31 May 2023 19:46

Tgt Ion: 75 Resp: 92143
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.700 ug/l

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU054349.D

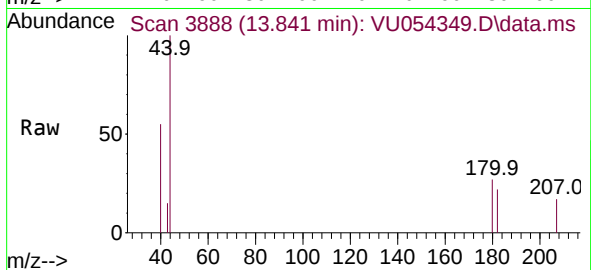
Acq: 31 May 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#08



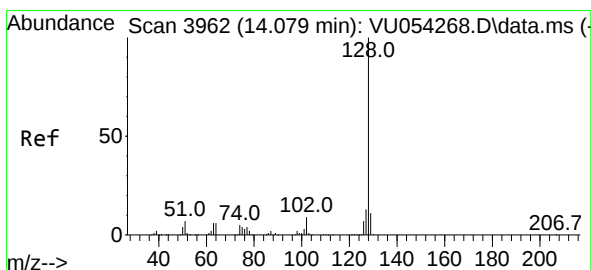
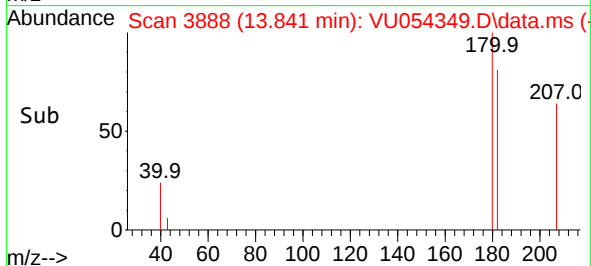
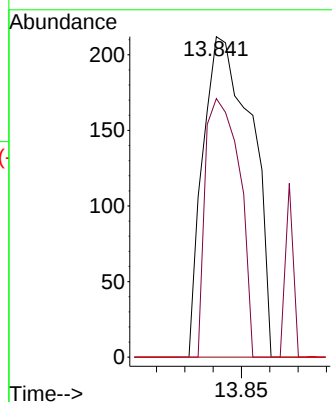
Tgt Ion:180 Resp: 253

Ion Ratio Lower Upper

180 100

182 56.1 47.9 143.6

145 0.0 14.0 41.9#



#95

Naphthalene

Concen: 2.045 ug/l

RT: 14.108 min Scan# 3971

Delta R.T. 0.029 min

Lab File: VU054349.D

Acq: 31 May 2023 19:46

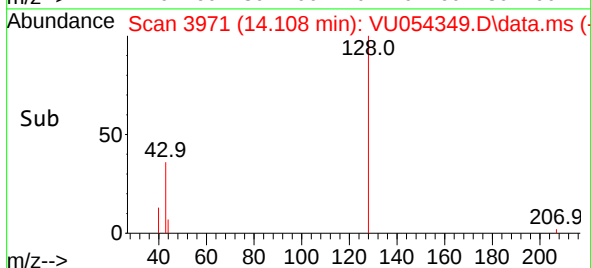
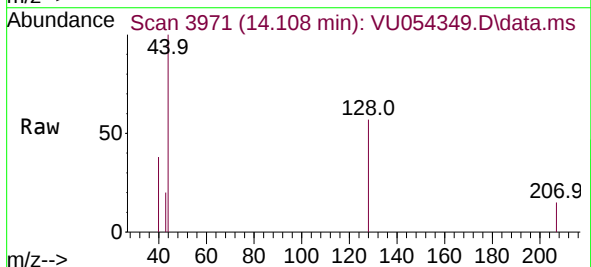
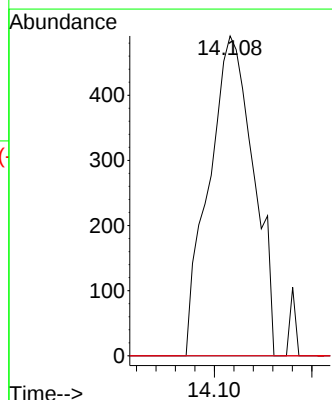
Tgt Ion:128 Resp: 781

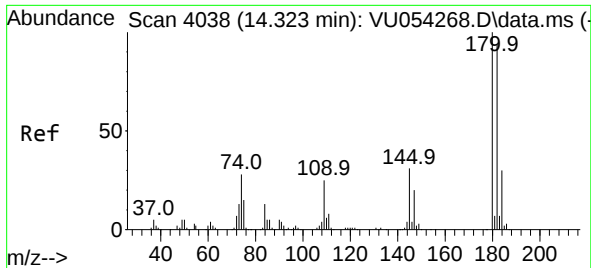
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.283 ug/l

RT: 14.327 min Scan# 40

Delta R.T. 0.004 min

Lab File: VU054349.D

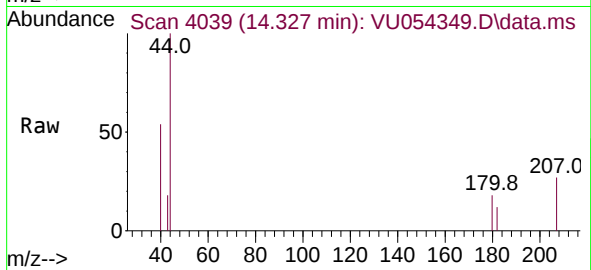
Acq: 31 May 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#08



Tgt Ion:180 Resp: 125

Ion Ratio Lower Upper

180 100

182 128.8 48.4 145.0

145 0.0 14.8 44.4#

