

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054344.D
 Acq On : 31 May 2023 17:48
 Operator : JC/MD
 Sample : PB153123ZHE#03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB153123ZHE#03

Quant Time: Jun 01 05:23:56 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)

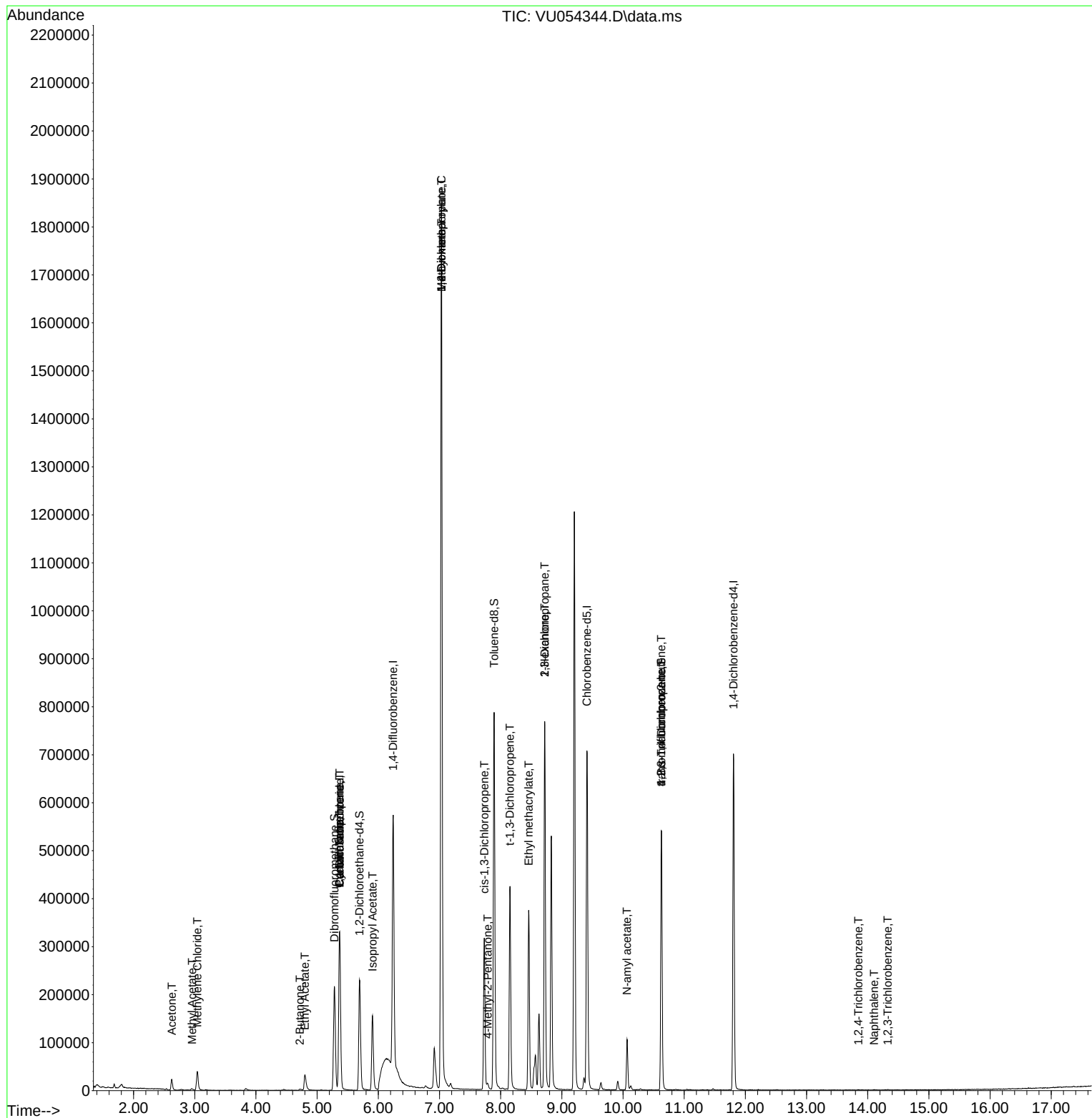
Internal Standards						
1) Pentafluorobenzene	5.369	168	242474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	430038	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	402612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	191174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	171275	53.884	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.760%			
35) Dibromofluoromethane	5.282	113	140195	50.624	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.240%			
50) Toluene-d8	7.893	98	530583	50.370	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.740%			
62) 4-Bromofluorobenzene	10.626	95	180333	44.152	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.300%			
Target Compounds						
					Qvalue	
16) Acetone	2.623	43	25007	13.725	ug/l	93
18) Methyl Acetate	2.954	43	4341	0.653	ug/l	97
20) Methylene Chloride	3.041	84	20132	6.125	ug/l	95
25) 2-Butanone	4.716	43	1964	0.814	ug/l	98
31) Cyclohexane	5.366	56	4501	1.003	ug/l #	1
36) 1,1-Dichloropropene	5.366	75	18976	4.363	ug/l #	47
37) Ethyl Acetate	4.800	43	43159	8.142	ug/l #	90
38) Carbon Tetrachloride	5.369	117	23549	5.289	ug/l #	16
43) Isopropyl Acetate	5.906	43	166052	22.709	ug/l	99
45) 1,2-Dichloropropane	7.031	63	2229	0.689	ug/l #	43
48) Methyl methacrylate	7.031	41	148354	45.750	ug/l #	33
49) 1,4-Dioxane	7.034	88	243	2.596	ug/l #	1
51) 4-Methyl-2-Pentanone	7.787	43	8254	1.692	ug/l	90
53) t-1,3-Dichloropropene	8.150	75	1101	0.216	ug/l #	43
54) cis-1,3-Dichloropropene	7.732	75	57305	10.772	ug/l #	62
56) Ethyl methacrylate	8.459	69	2059	0.422	ug/l #	1
57) 1,3-Dichloropropane	8.719	76	7672	1.359	ug/l #	42
59) 2-Hexanone	8.719	43	97509	25.296	ug/l #	51
74) N-amyl acetate	10.066	43	33027	6.570	ug/l #	48
76) 1,2,3-Trichloropropane	10.626	75	91805	16.454	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.626	75	91805	62.655	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.844	180	324	1.715	ug/l #	75
95) Naphthalene	14.105	128	1197	2.073	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.327	180	228	1.306	ug/l	93

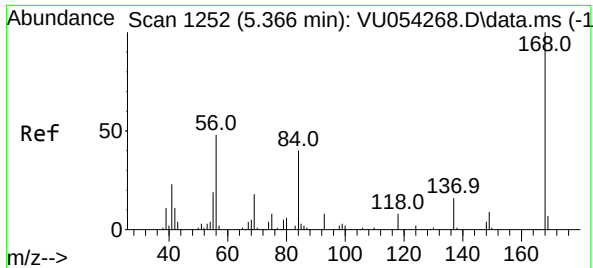
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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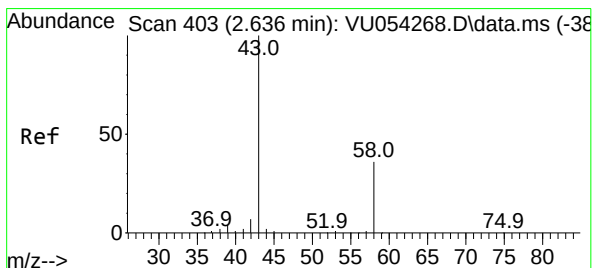
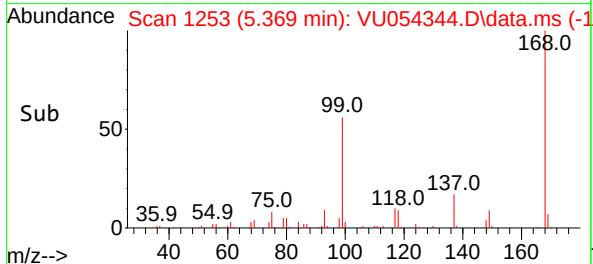
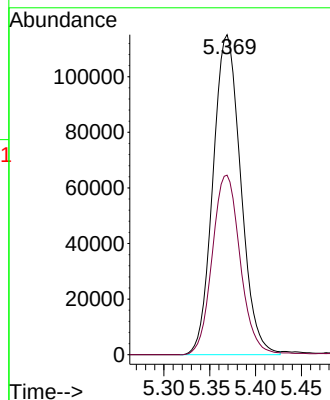
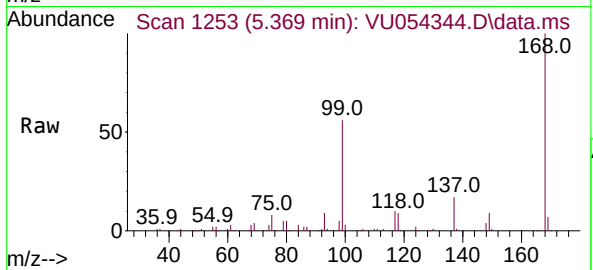




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

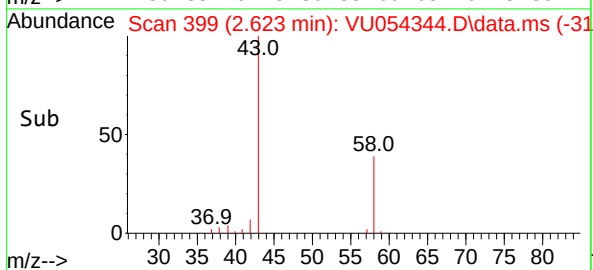
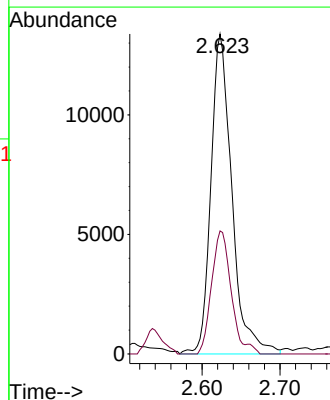
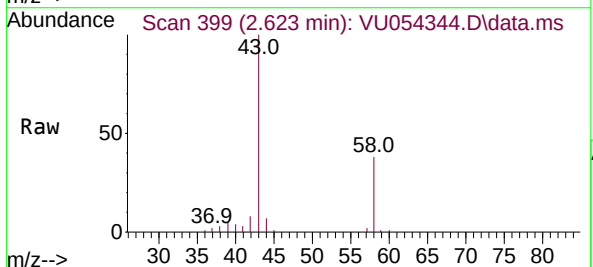
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

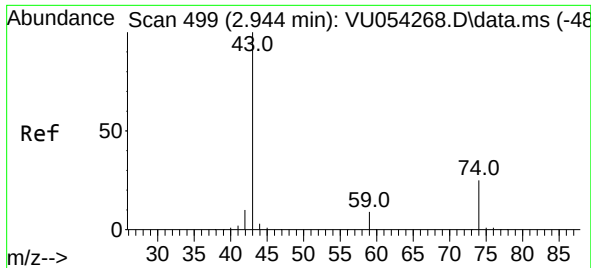
Tgt Ion:168 Resp: 242474
Ion Ratio Lower Upper
168 100
99 56.1 39.3 58.9



#16
Acetone
Concen: 13.725 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 43 Resp: 25007
Ion Ratio Lower Upper
43 100
58 38.4 27.5 41.3

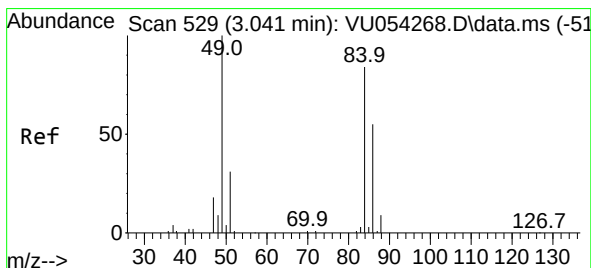
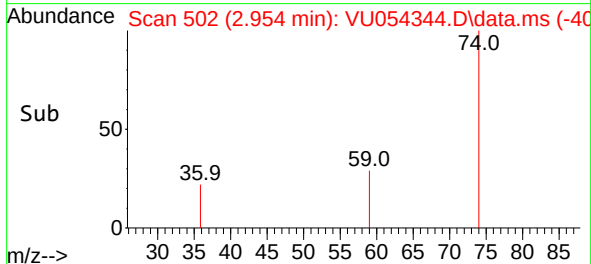
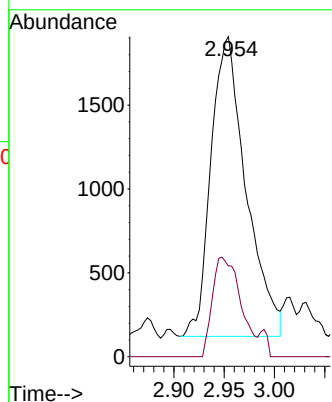
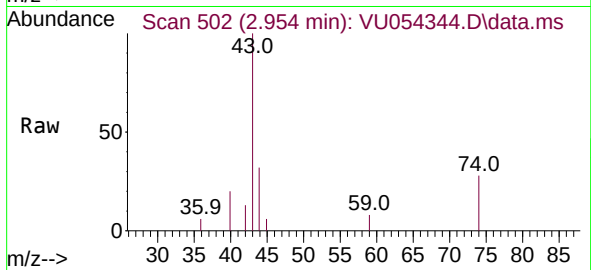




#18
Methyl Acetate
Concen: 0.653 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.010 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

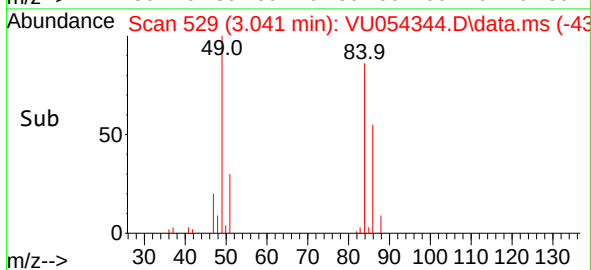
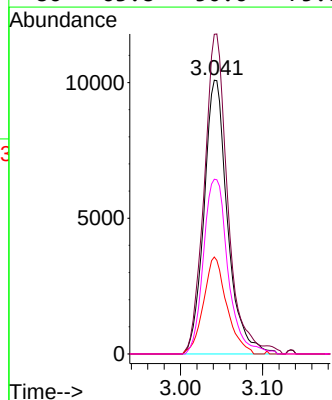
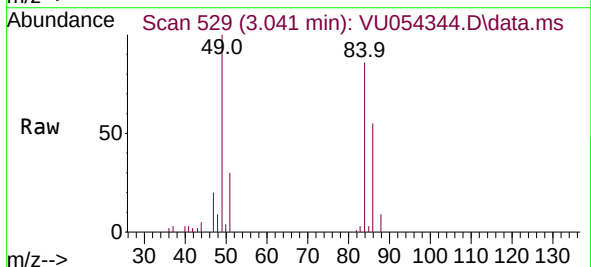
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

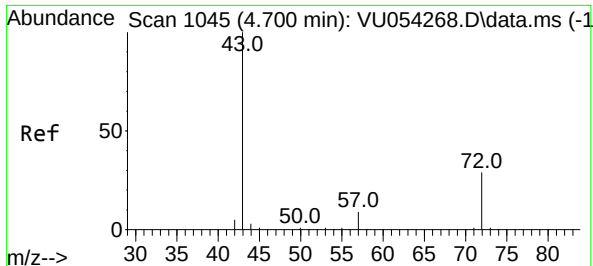
Tgt Ion: 43 Resp: 4341
Ion Ratio Lower Upper
43 100
74 26.8 22.5 33.7



#20
Methylene Chloride
Concen: 6.125 ug/l
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 84 Resp: 20132
Ion Ratio Lower Upper
84 100
49 116.8 86.6 129.8
51 35.4 26.6 40.0
86 63.8 50.6 75.8





#25

2-Butanone

Concen: 0.814 ug/l

RT: 4.716 min Scan# 1050

Delta R.T. 0.016 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

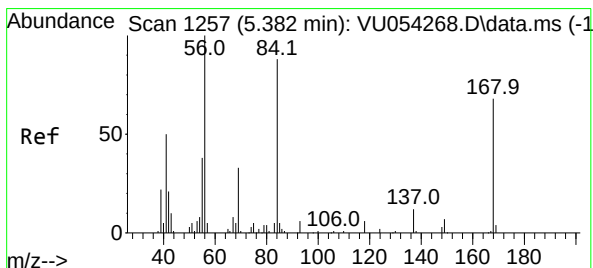
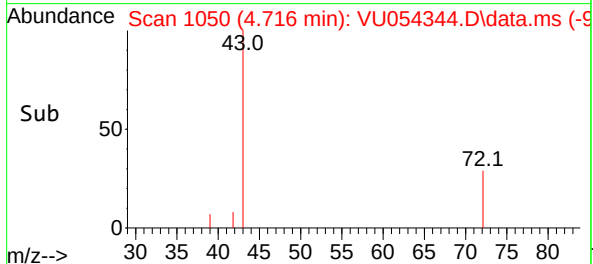
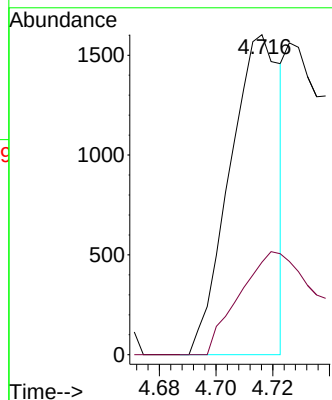
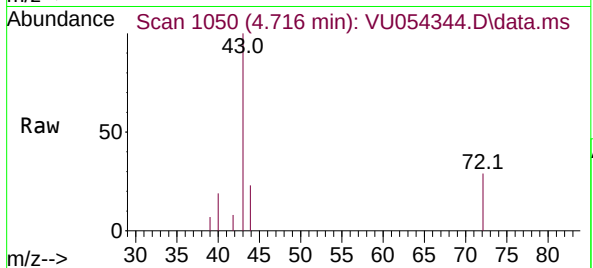
PB153123ZHE#03

Tgt Ion: 43 Resp: 1964

Ion Ratio Lower Upper

43 100

72 28.9 23.8 35.6



#31

Cyclohexane

Concen: 1.003 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.016 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

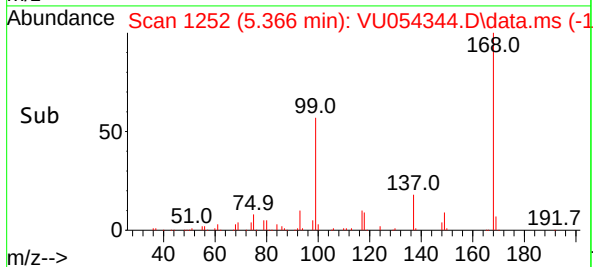
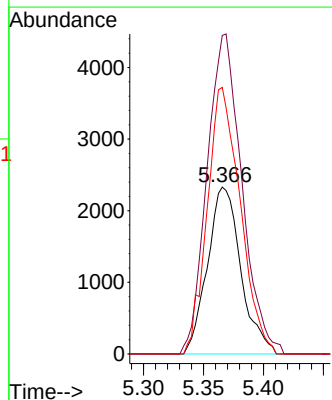
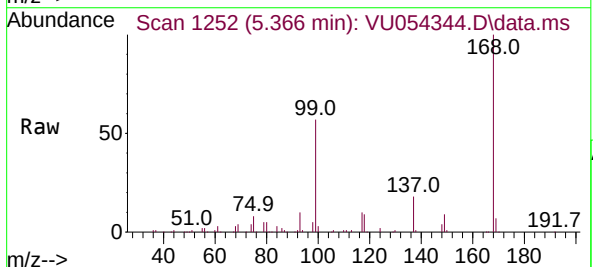
Tgt Ion: 56 Resp: 4501

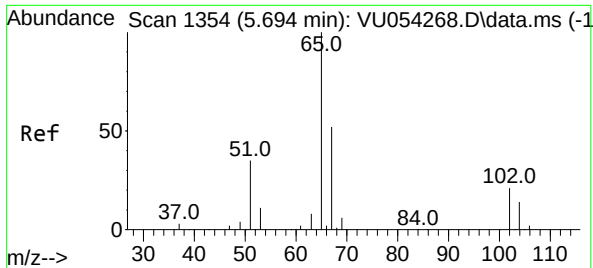
Ion Ratio Lower Upper

56 100

69 190.8 27.8 41.8#

84 159.7 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 53.884 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

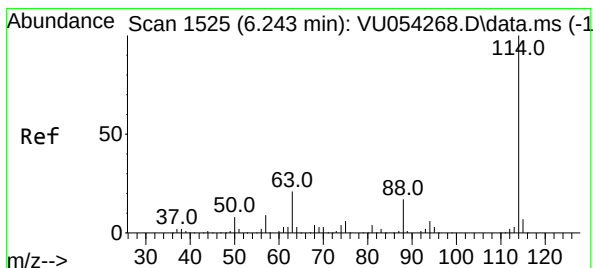
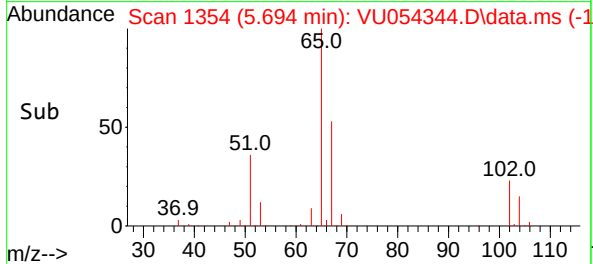
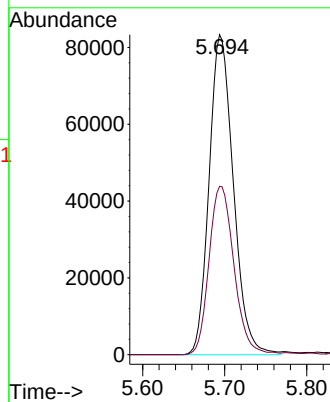
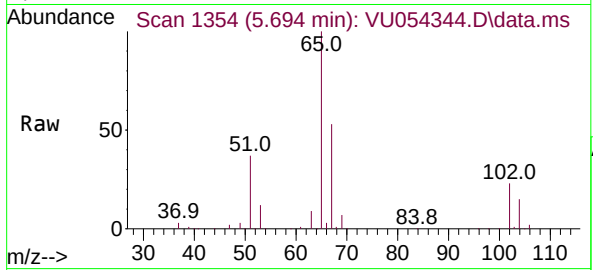
PB153123ZHE#03

Tgt Ion: 65 Resp: 171275

Ion Ratio Lower Upper

65 100

67 54.1 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: VU054344.D

Acq: 31 May 2023 17:48

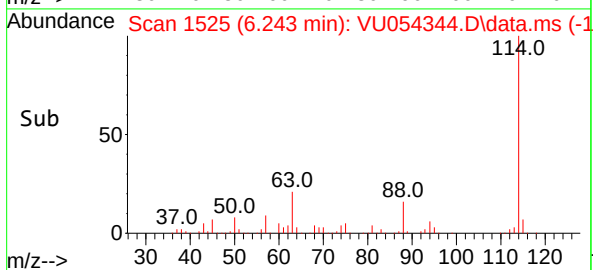
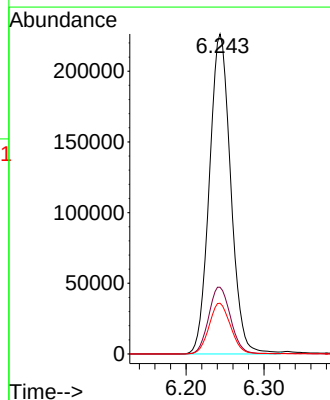
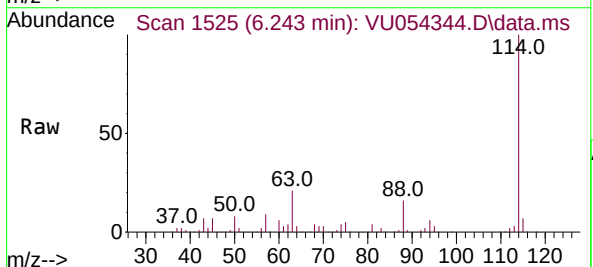
Tgt Ion: 114 Resp: 430038

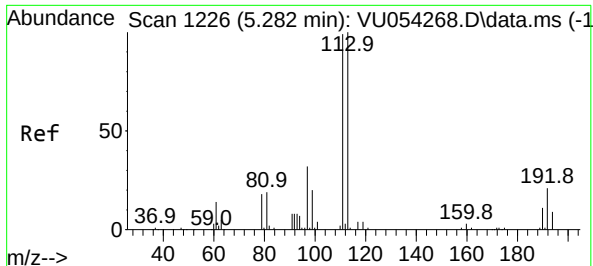
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.8

88 15.9 0.0 29.2

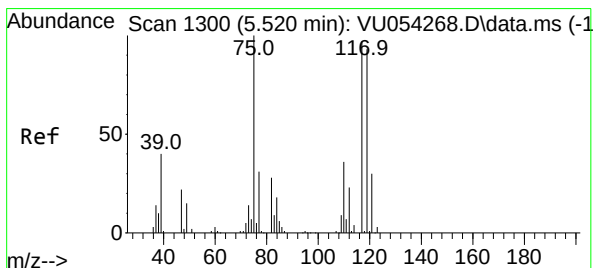
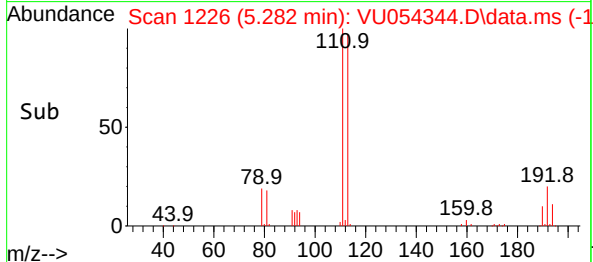
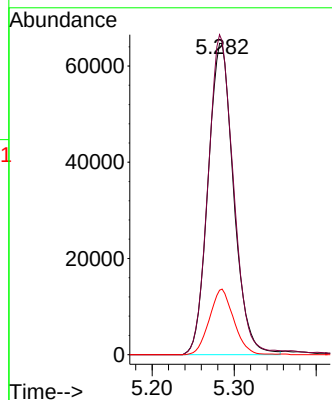
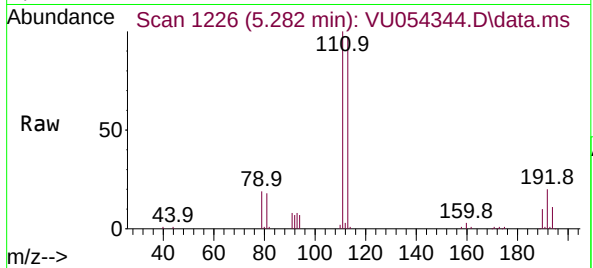




#35
Dibromofluoromethane
Concen: 50.624 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

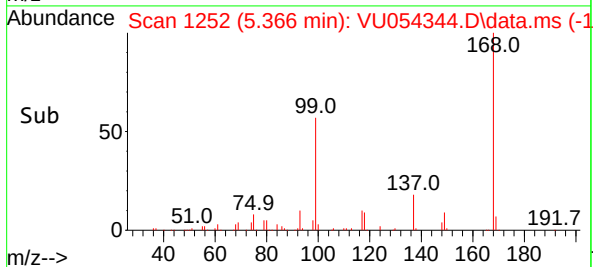
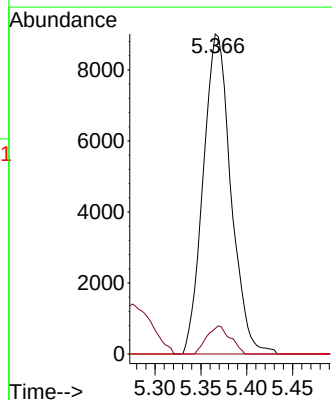
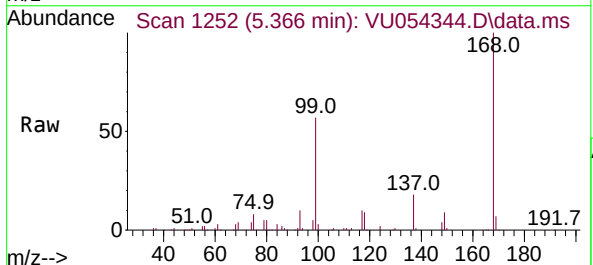
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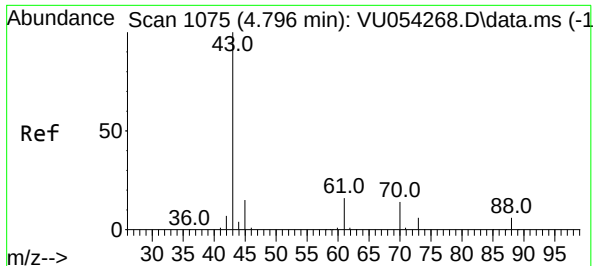
Tgt Ion:113 Resp: 140195
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 20.1 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.363 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 75 Resp: 18976
Ion Ratio Lower Upper
75 100
110 7.4 18.4 55.2#
77 0.0 25.1 37.7#

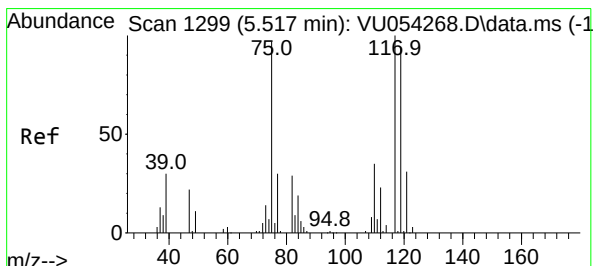
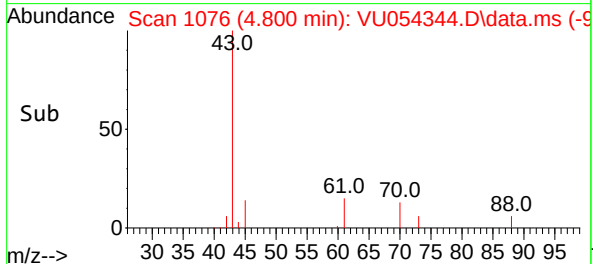
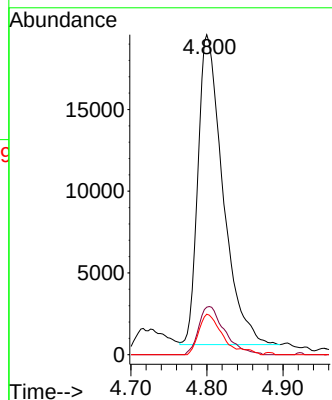
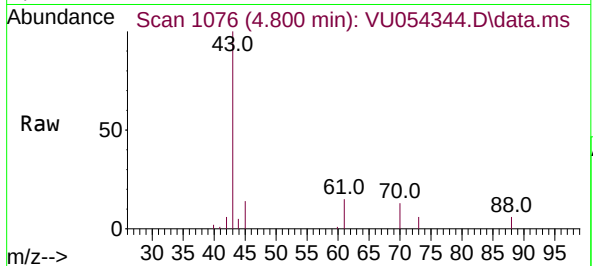




#37
Ethyl Acetate
Concen: 8.142 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.004 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

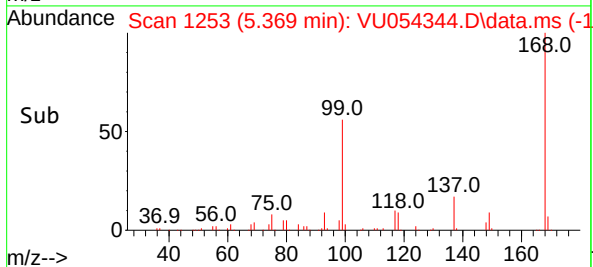
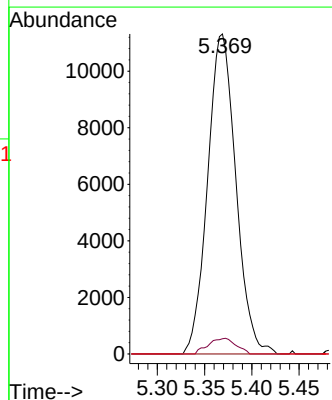
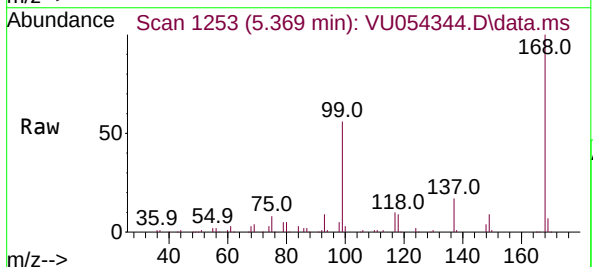
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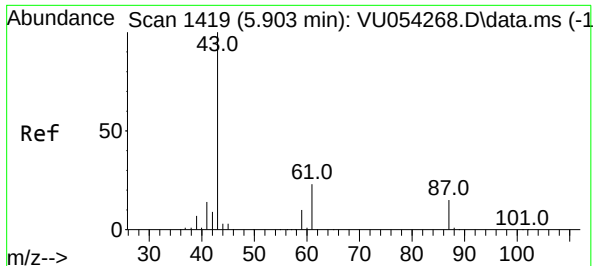
Tgt Ion: 43 Resp: 43159
Ion Ratio Lower Upper
43 100
61 16.2 9.5 14.3#
70 12.6 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.289 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.148 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 117 Resp: 23549
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 22.709 ug/l

RT: 5.906 min Scan# 1419

Delta R.T. 0.003 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#03

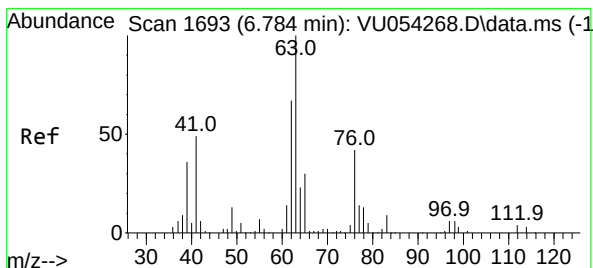
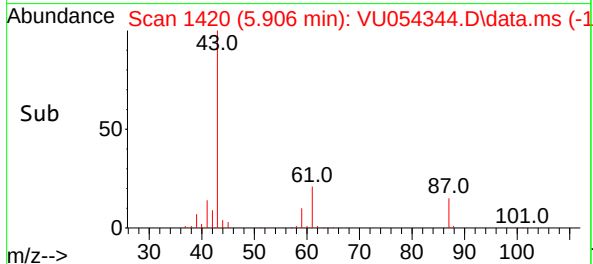
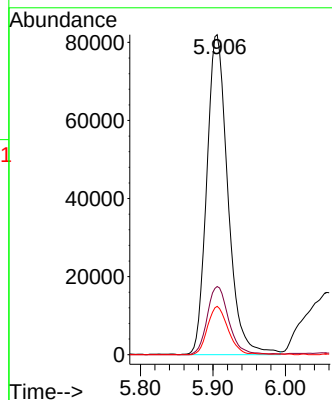
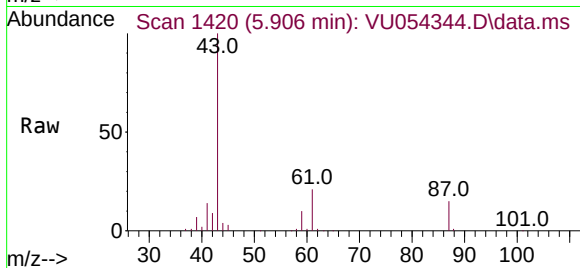
Tgt Ion: 43 Resp: 166052

Ion Ratio Lower Upper

43 100

61 21.7 17.4 26.0

87 14.8 12.6 18.8



#45

1,2-Dichloropropane

Concen: 0.689 ug/l

RT: 7.031 min Scan# 1770

Delta R.T. 0.247 min

Lab File: VU054344.D

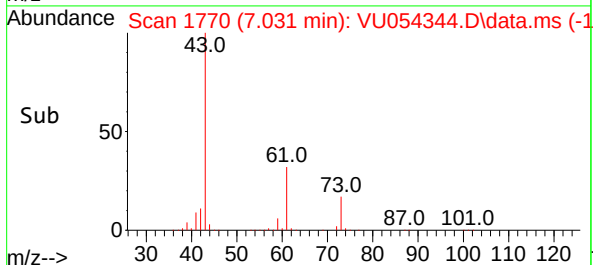
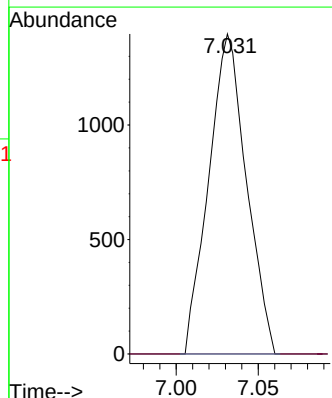
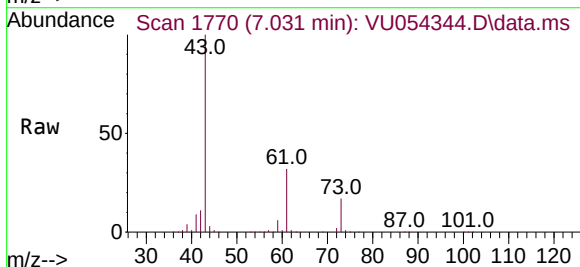
Acq: 31 May 2023 17:48

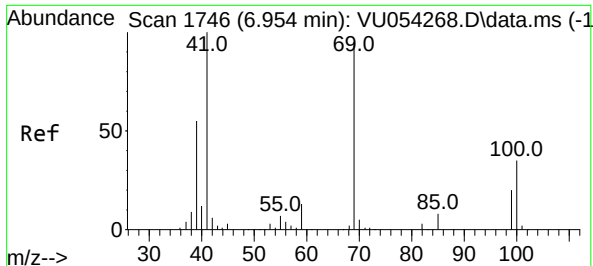
Tgt Ion: 63 Resp: 2229

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#





#48

Methyl methacrylate

Concen: 45.750 ug/l

RT: 7.031 min Scan# 1770

Delta R.T. 0.077 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

PB153123ZHE#03

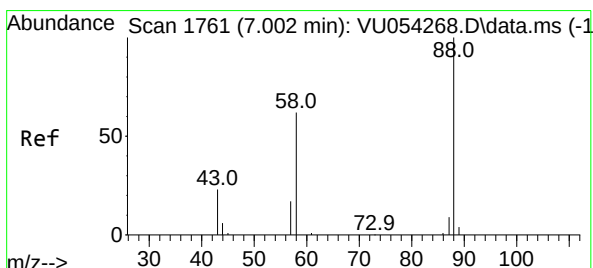
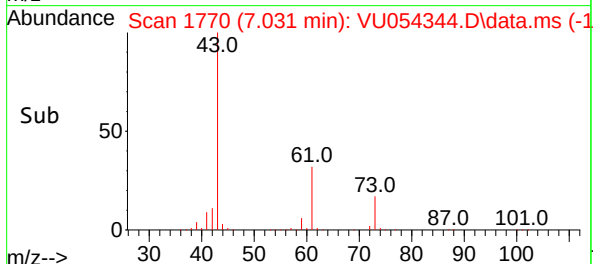
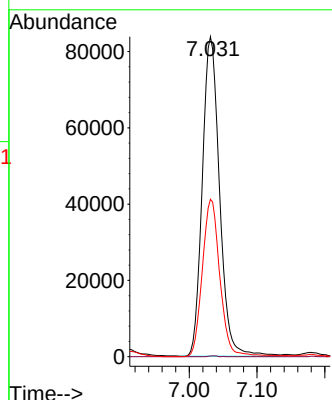
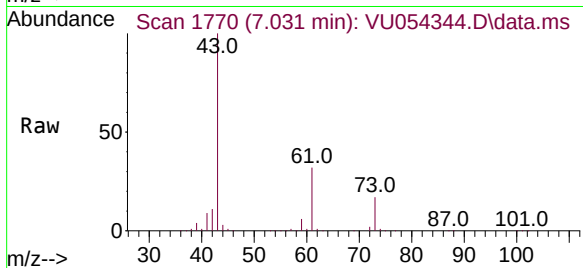
Tgt Ion: 41 Resp: 148354

Ion Ratio Lower Upper

41 100

69 0.1 79.8 119.6#

39 50.2 47.9 71.9



#49

1,4-Dioxane

Concen: 2.596 ug/l

RT: 7.034 min Scan# 1771

Delta R.T. 0.032 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

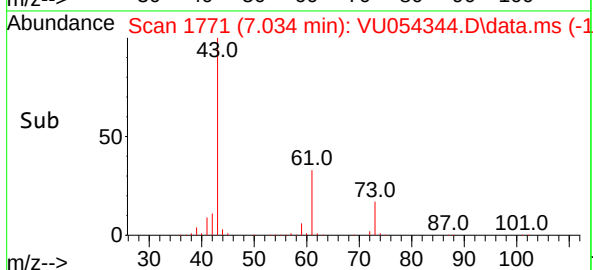
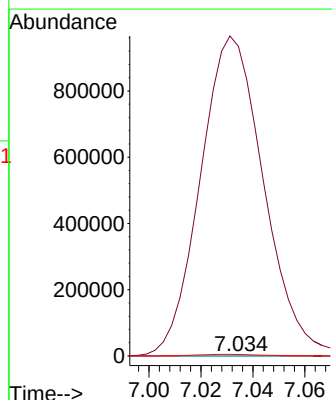
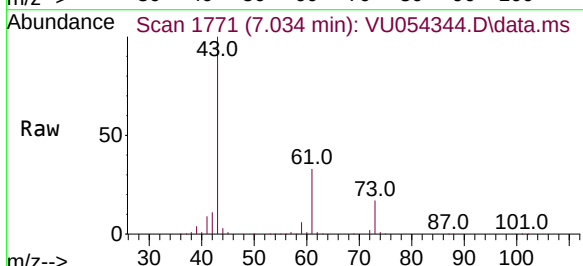
Tgt Ion: 88 Resp: 243

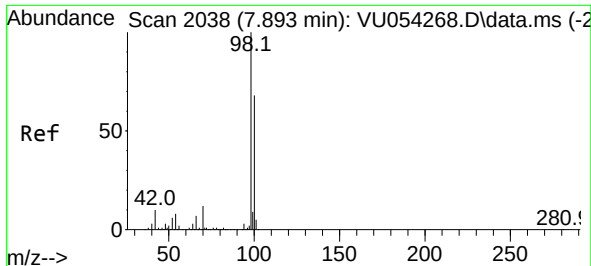
Ion Ratio Lower Upper

88 100

43 688264.6 0.0 0.0#

58 3591.8 15.4 23.0#

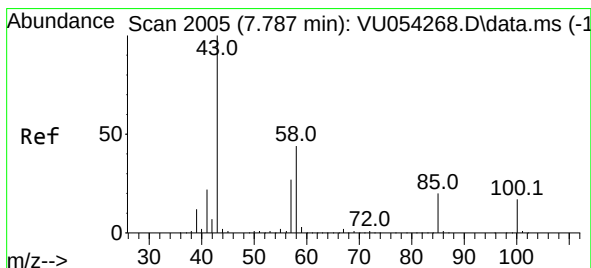
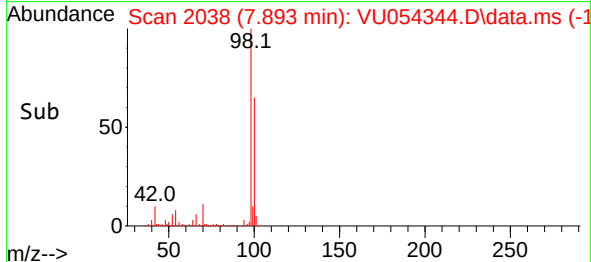
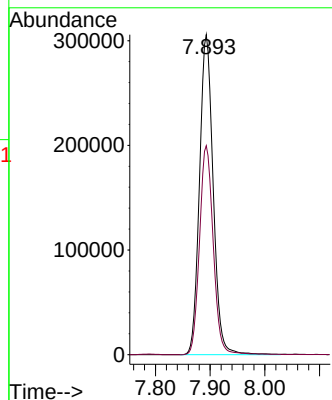
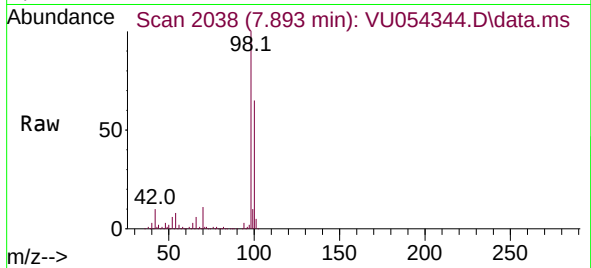




#50
Toluene-d8
Concen: 50.370 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

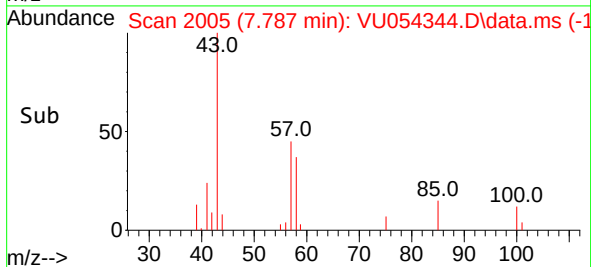
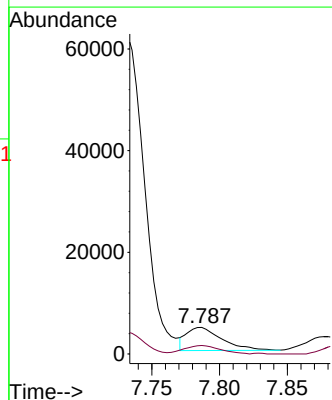
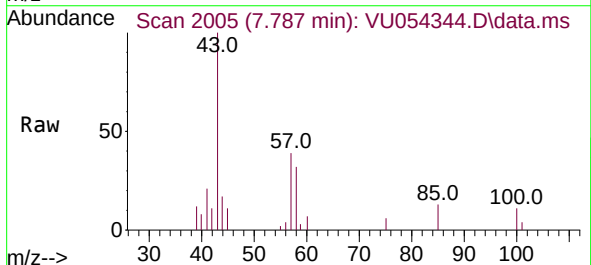
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

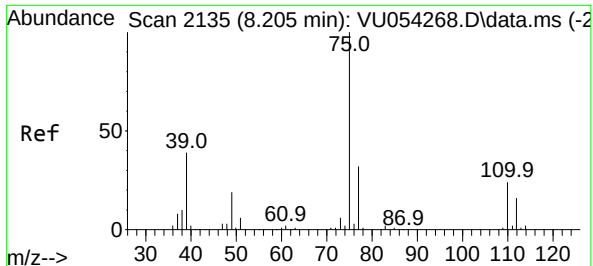
Tgt Ion: 98 Resp: 530583
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.692 ug/l
RT: 7.787 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 43 Resp: 8254
Ion Ratio Lower Upper
43 100
58 37.2 34.7 52.1





#53

t-1,3-Dichloropropene

Concen: 0.216 ug/l

RT: 8.150 min Scan# 21

Delta R.T. -0.055 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

Instrument :

MSVOA_U

ClientSampleId :

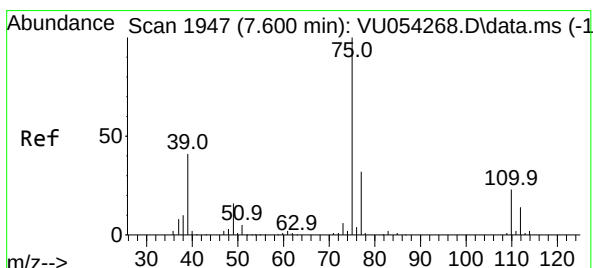
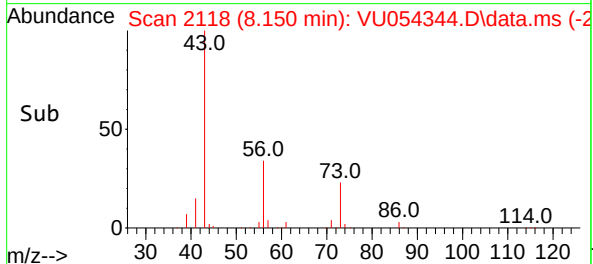
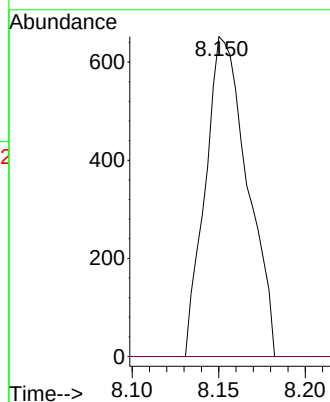
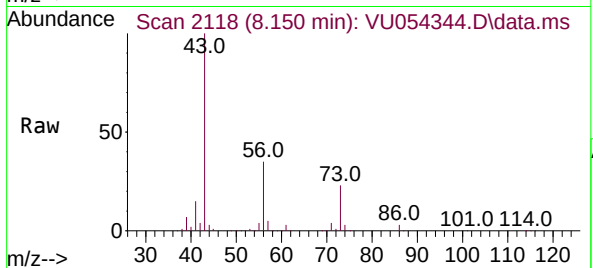
PB153123ZHE#03

Tgt Ion: 75 Resp: 1101

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.772 ug/l

RT: 7.732 min Scan# 1988

Delta R.T. 0.132 min

Lab File: VU054344.D

Acq: 31 May 2023 17:48

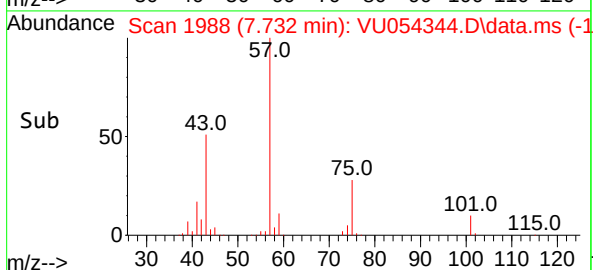
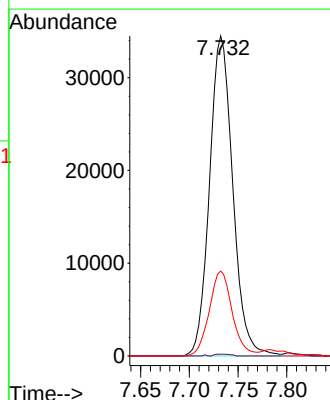
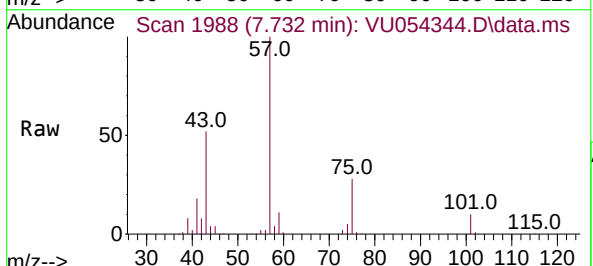
Tgt Ion: 75 Resp: 57305

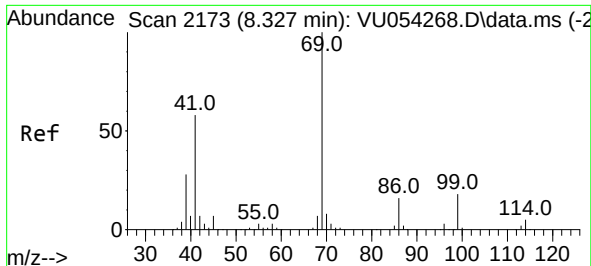
Ion Ratio Lower Upper

75 100

77 0.6 25.7 38.5#

39 26.5 33.0 49.6#

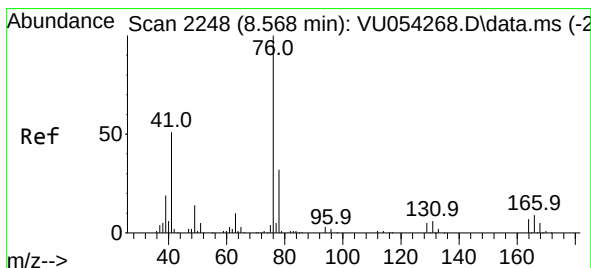
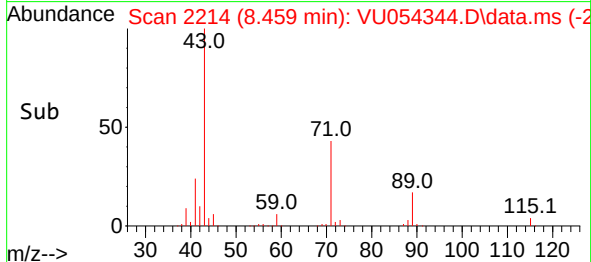
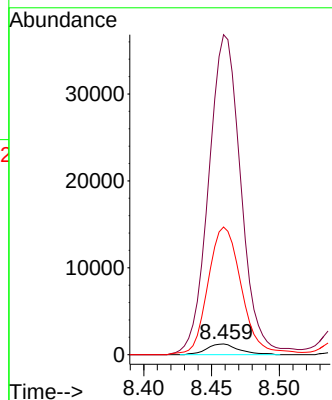
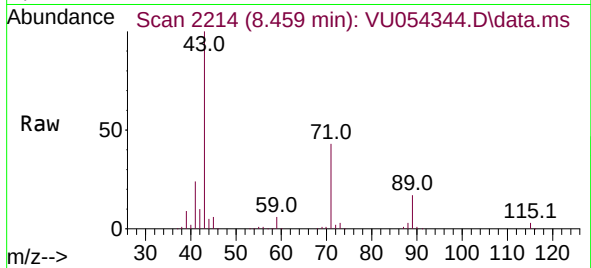




#56
Ethyl methacrylate
Concen: 0.422 ug/l
RT: 8.459 min Scan# 2173
Delta R.T. 0.132 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

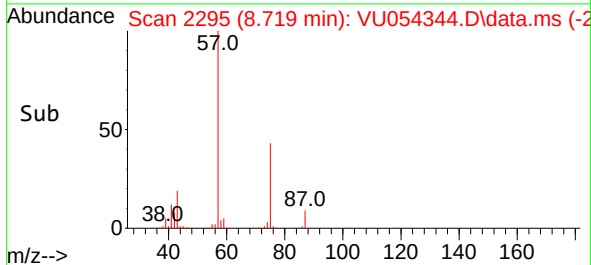
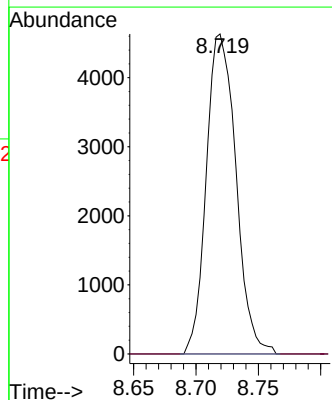
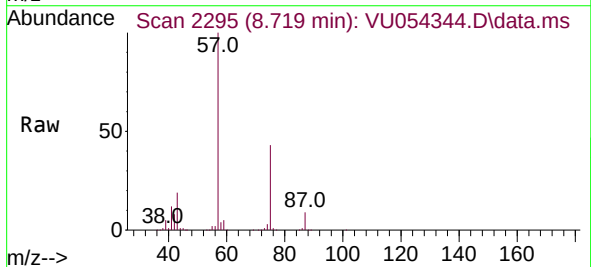
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

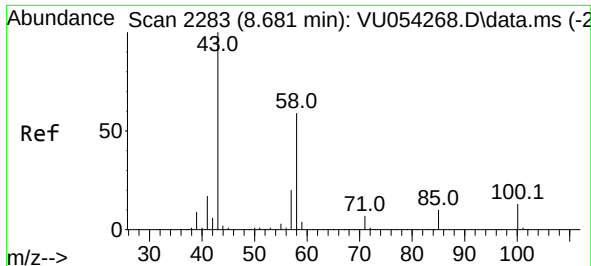
Tgt Ion: 69 Resp: 2059
Ion Ratio Lower Upper
69 100
41 2974.3 45.4 68.0#
39 1229.2 25.7 38.5#



#57
1,3-Dichloropropane
Concen: 1.359 ug/l
RT: 8.719 min Scan# 2295
Delta R.T. 0.151 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 76 Resp: 7672
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

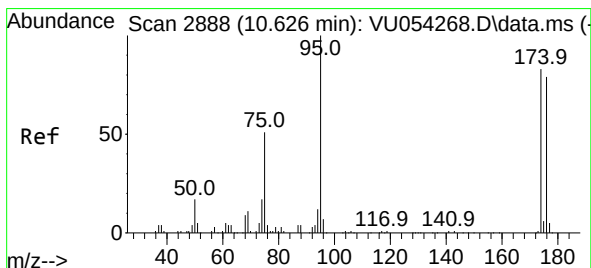
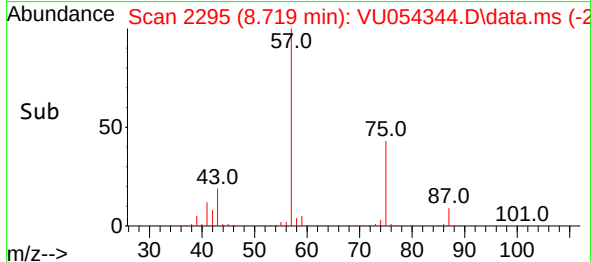
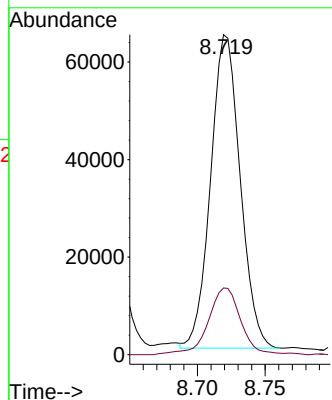
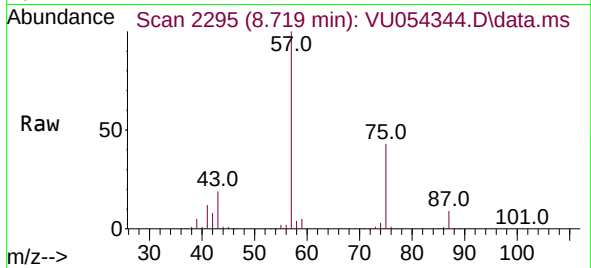




#59
2-Hexanone
Concen: 25.296 ug/l
RT: 8.719 min Scan# 21
Delta R.T. 0.038 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

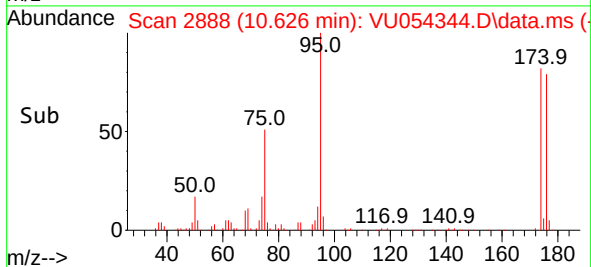
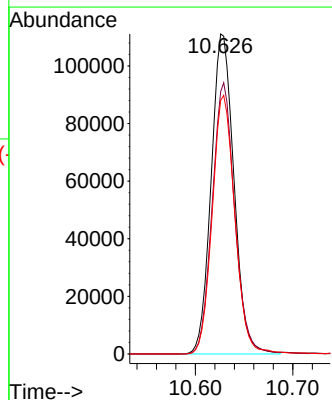
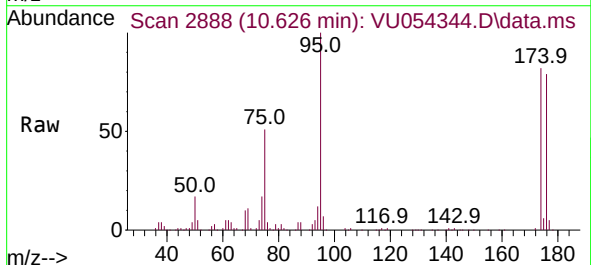
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

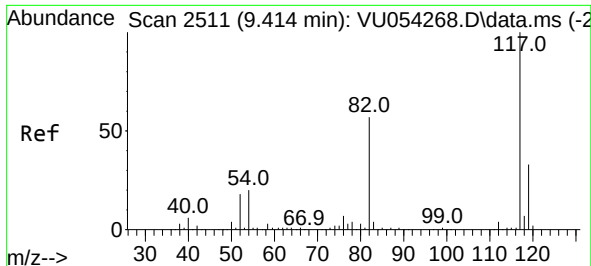
Tgt Ion: 43 Resp: 97509
Ion Ratio Lower Upper
43 100
58 23.3 30.3 90.8#



#62
4-Bromofluorobenzene
Concen: 44.152 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 95 Resp: 180333
Ion Ratio Lower Upper
95 100
174 83.8 0.0 182.0
176 80.6 0.0 177.8

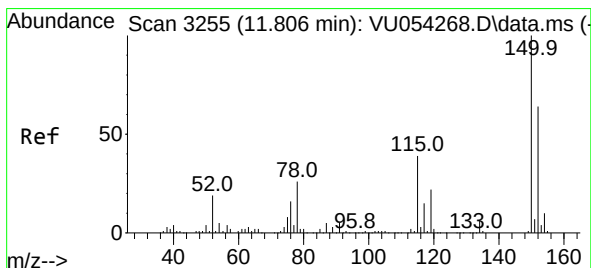
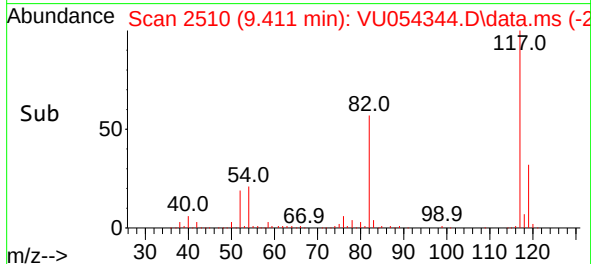
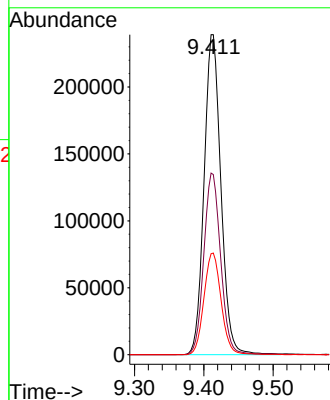
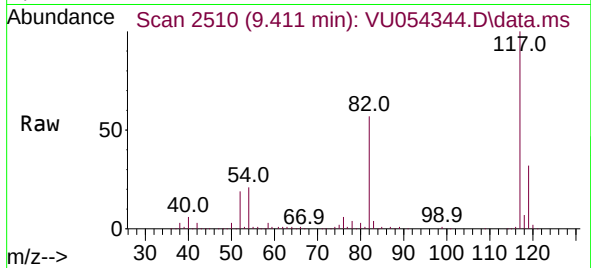




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2511
Delta R.T. -0.003 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

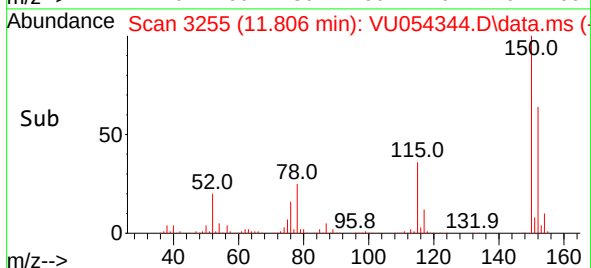
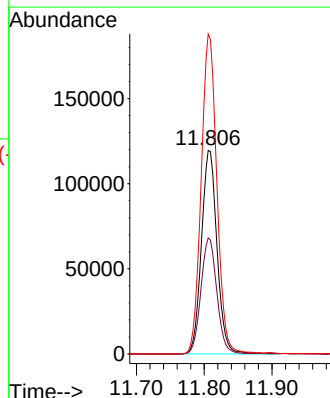
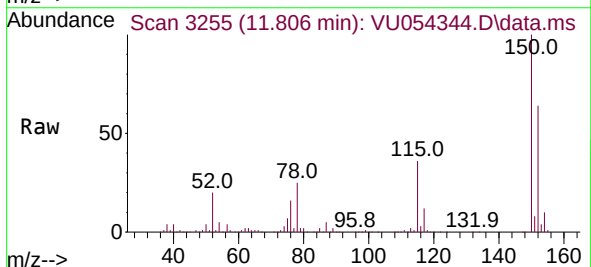
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

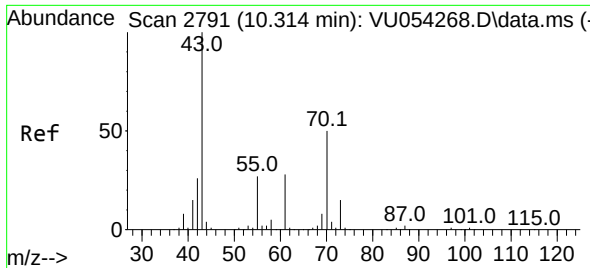
Tgt Ion:117 Resp: 402612
Ion Ratio Lower Upper
117 100
82 56.7 41.7 62.5
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.806 min Scan# 3255
Delta R.T. -0.000 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion:152 Resp: 191174
Ion Ratio Lower Upper
152 100
115 58.0 37.0 110.9
150 157.7 0.0 342.2

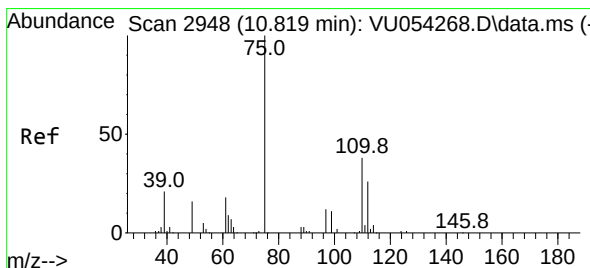
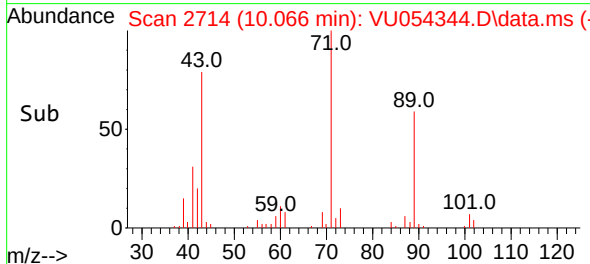
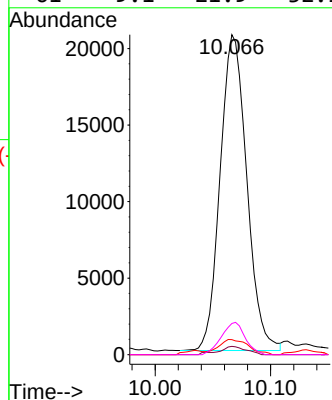
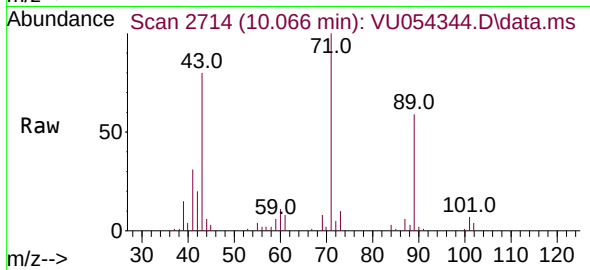




#74
N-amy1 acetate
Concen: 6.570 ug/l
RT: 10.066 min Scan# 21
Delta R.T. -0.248 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

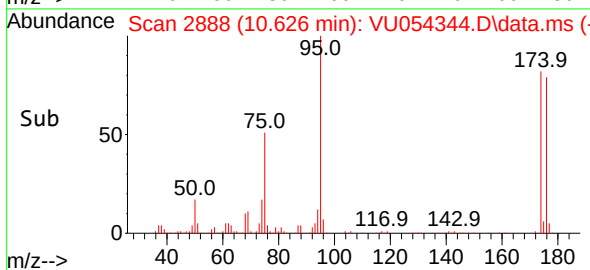
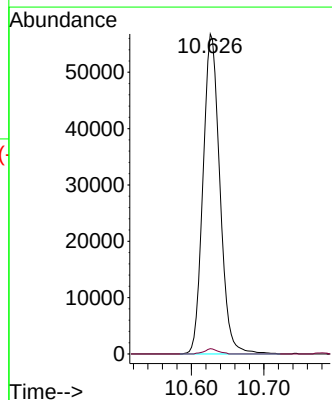
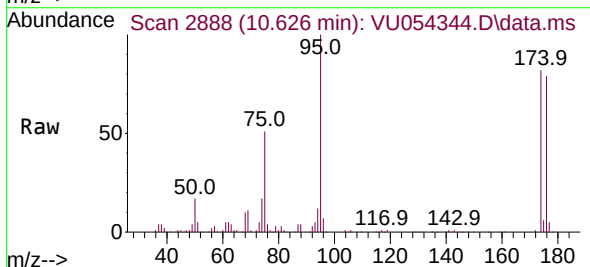
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

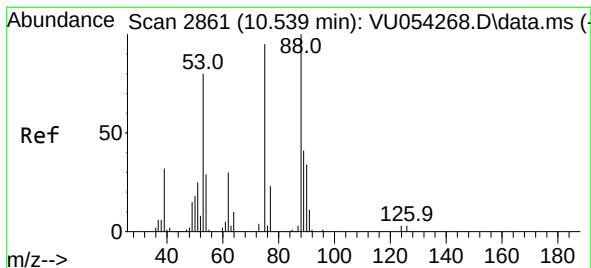
Tgt Ion: 43	Resp: 33027
Ion Ratio	Lower Upper
43 100	
70 2.4	38.7 58.1#
55 5.4	21.8 32.8#
61 9.1	21.9 32.9#



#76
1,2,3-Trichloropropane
Concen: 16.454 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.193 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion: 75	Resp: 91805
Ion Ratio	Lower Upper
75 100	
77 1.3	15.8 47.3#

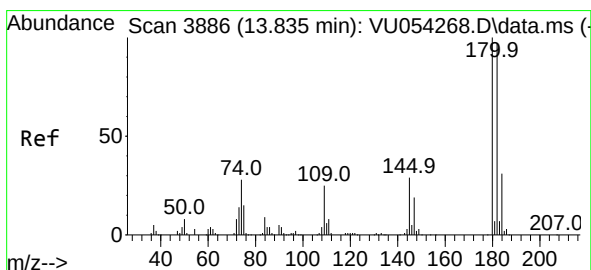
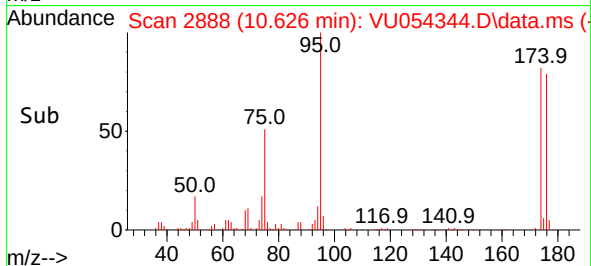
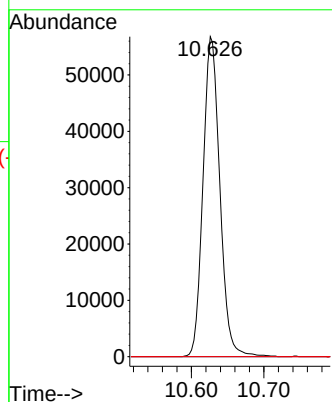
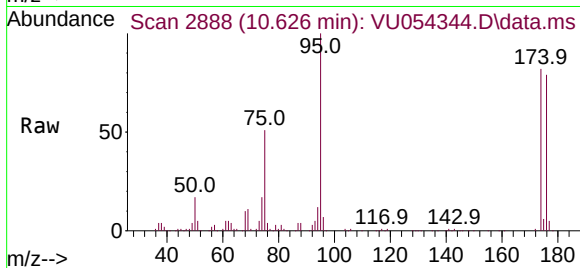




#81
trans-1,4-Dichloro-2-butene
Concen: 62.655 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

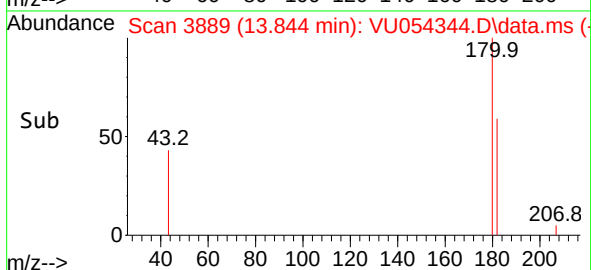
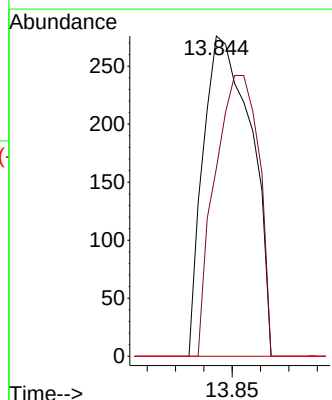
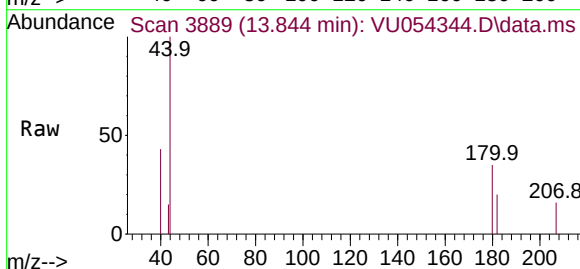
Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

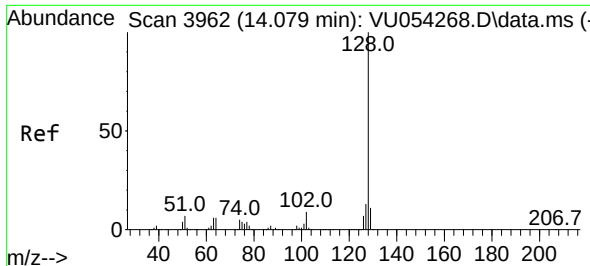
Tgt Ion: 75 Resp: 91805
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.715 ug/l
RT: 13.844 min Scan# 3889
Delta R.T. 0.009 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion:180 Resp: 324
Ion Ratio Lower Upper
180 100
182 79.9 47.9 143.6
145 0.0 14.0 41.9#

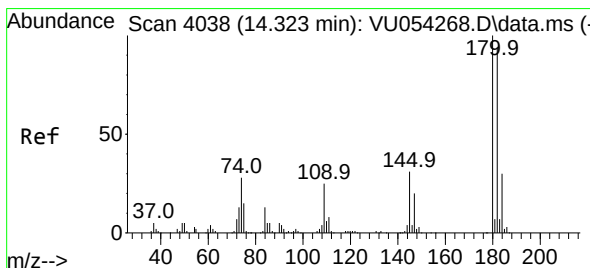
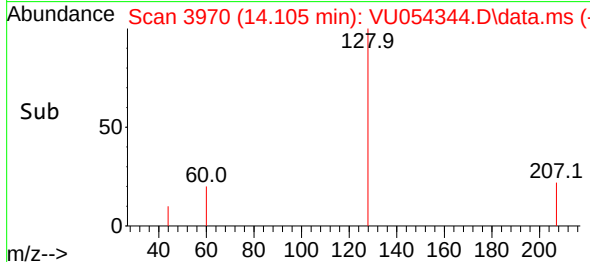
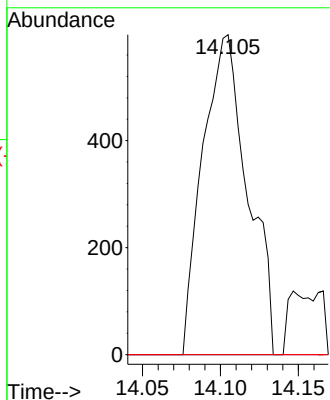
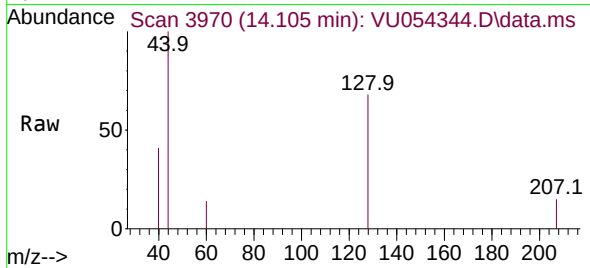




#95
Naphthalene
Concen: 2.073 ug/l
RT: 14.105 min Scan# 3962
Delta R.T. 0.026 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Instrument :
MSVOA_U
ClientSampleId :
PB153123ZHE#03

Tgt Ion:128 Resp: 1197
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: 1.306 ug/l
RT: 14.327 min Scan# 4039
Delta R.T. 0.004 min
Lab File: VU054344.D
Acq: 31 May 2023 17:48

Tgt Ion:180 Resp: 228
Ion Ratio Lower Upper
180 100
182 102.6 48.4 145.0
145 23.7 14.8 44.4

