

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053023\
 Data File : VU054317.D
 Acq On : 30 May 2023 16:33
 Operator : JC/MD
 Sample : 02912-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EB02-20230523

Quant Time: May 31 06:28:28 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)

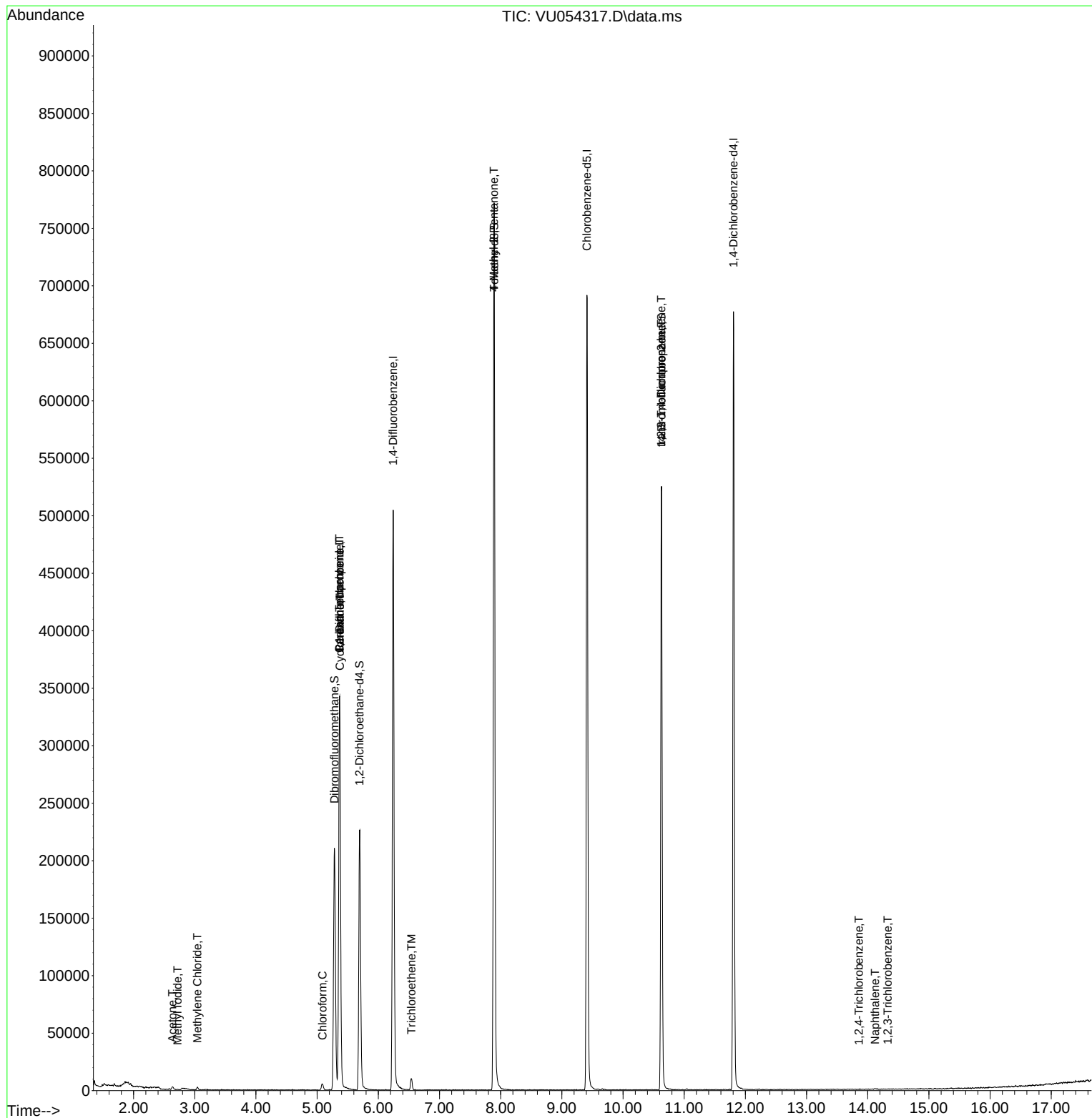
Internal Standards						
1) Pentafluorobenzene	5.369	168	251833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	417088	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	394771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	185008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	170062	51.514	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.020%	
35) Dibromofluoromethane	5.282	113	138350	51.509	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.020%	
50) Toluene-d8	7.893	98	519591	50.858	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	10.629	95	178702	45.111	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.220%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.719	142	47	2.346	ug/l #	43
16) Acetone	2.633	43	3538	1.870	ug/l	95
20) Methylene Chloride	3.041	84	1046	0.306	ug/l #	81
30) Chloroform	5.089	83	5450	1.006	ug/l	98
31) Cyclohexane	5.372	56	5300	1.137	ug/l #	25
36) 1,1-Dichloropropene	5.366	75	20211	4.791	ug/l #	48
38) Carbon Tetrachloride	5.366	117	23502	5.443	ug/l #	16
44) Trichloroethene	6.539	130	4267	1.269	ug/l	88
51) 4-Methyl-2-Pentanone	7.890	43	1893	0.400	ug/l #	1
76) 1,2,3-Trichloropropane	10.626	75	89779	16.627	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.626	75	89779	63.314	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.854	180	71	1.659	ug/l #	37
95) Naphthalene	14.118	128	668	2.038	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.327	180	40	1.264	ug/l #	12

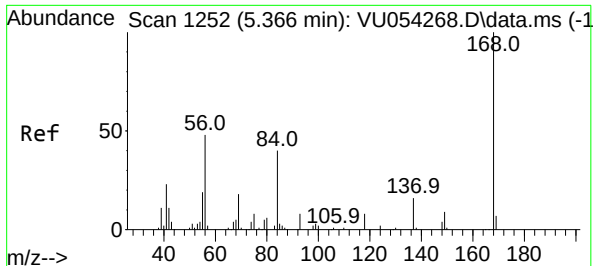
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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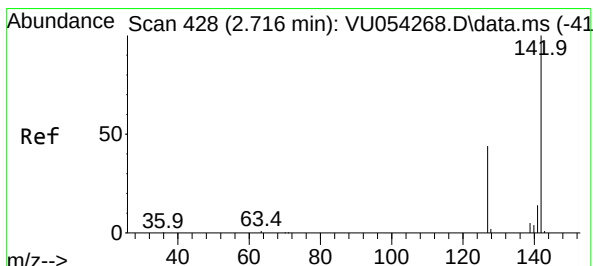
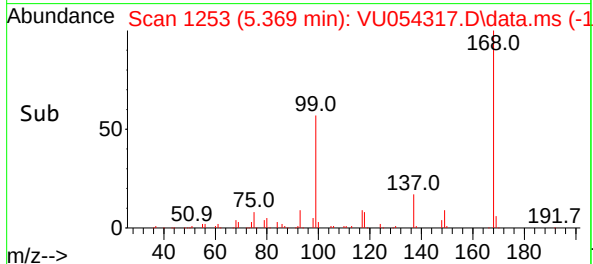
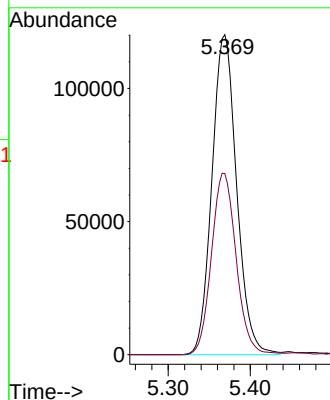
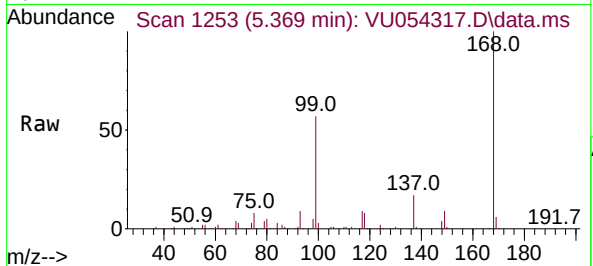




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

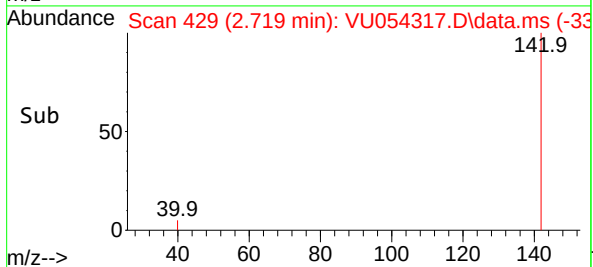
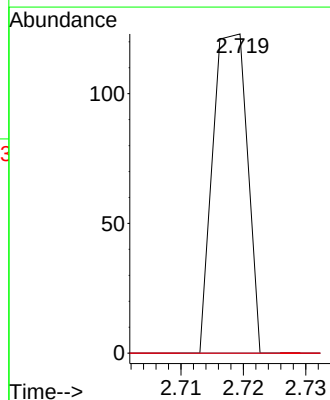
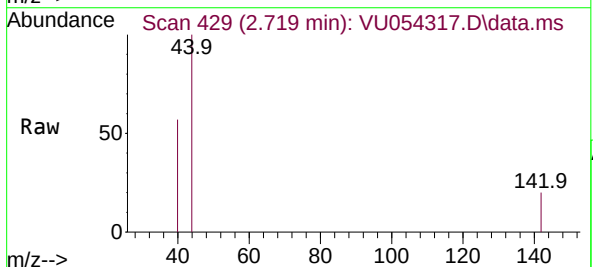
Instrument :
MSVOA_U
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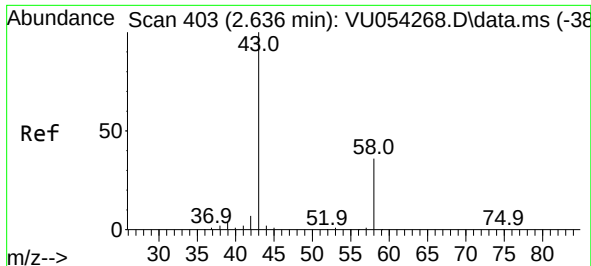
Tgt Ion:168 Resp: 251833
Ion Ratio Lower Upper
168 100
99 56.6 39.3 58.9



#10
Methyl Iodide
Concen: 2.346 ug/l
RT: 2.719 min Scan# 429
Delta R.T. 0.003 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

Tgt Ion:142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.4 17.0#





#16

Acetone

Concen: 1.870 ug/l

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU054317.D

Acq: 30 May 2023 16:33

Instrument :

MSVOA_U

ClientSampleId :

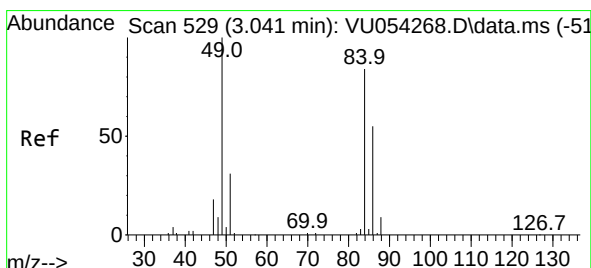
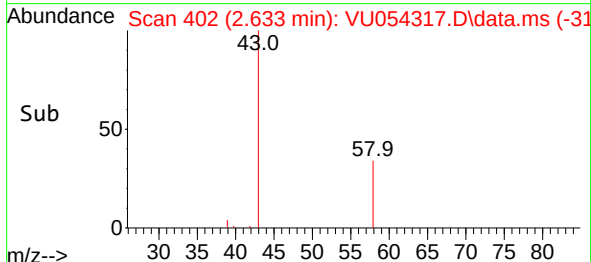
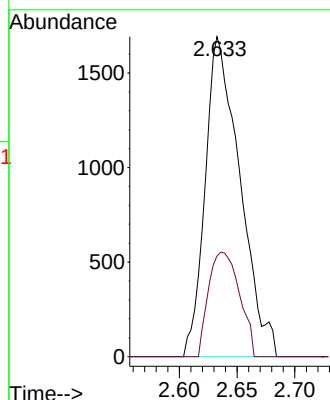
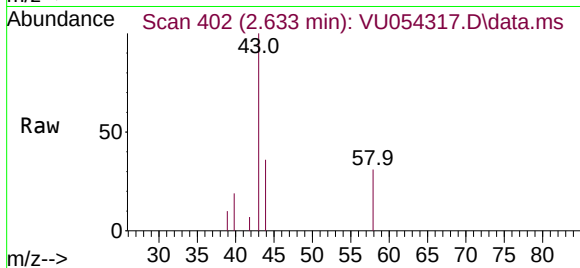
EB02-20230523

Tgt Ion: 43 Resp: 3538

Ion Ratio Lower Upper

43 100

58 31.4 27.5 41.3



#20

Methylene Chloride

Concen: 0.306 ug/l

RT: 3.041 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU054317.D

Acq: 30 May 2023 16:33

Tgt Ion: 84 Resp: 1046

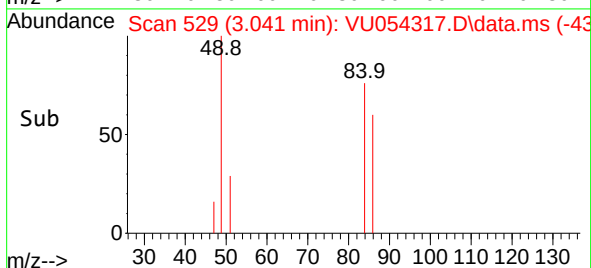
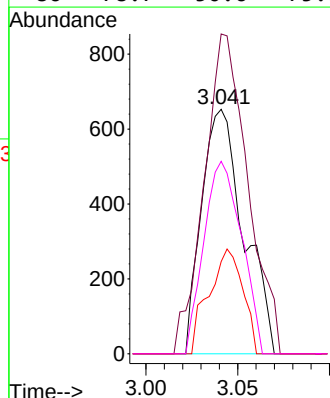
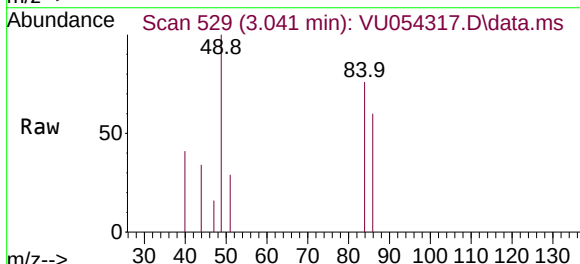
Ion Ratio Lower Upper

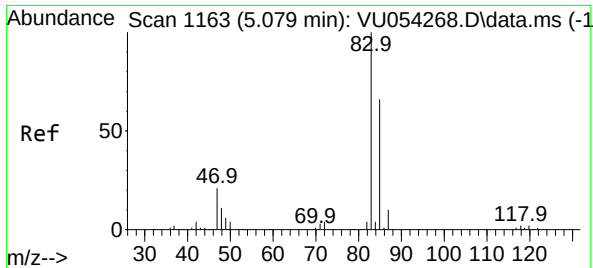
84 100

49 130.8 86.6 129.8#

51 37.7 26.6 40.0

86 78.7 50.6 75.8#

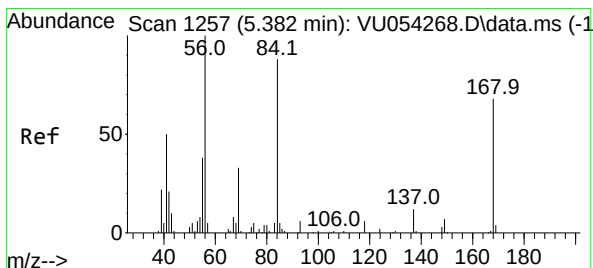
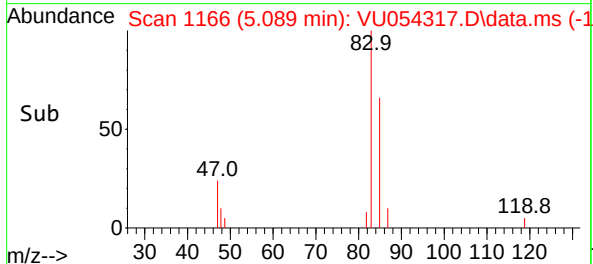
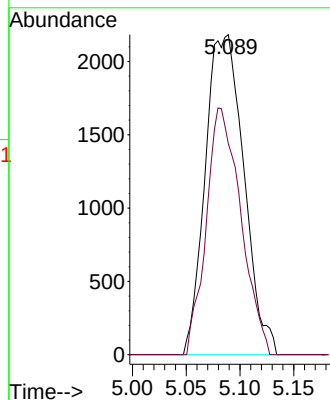
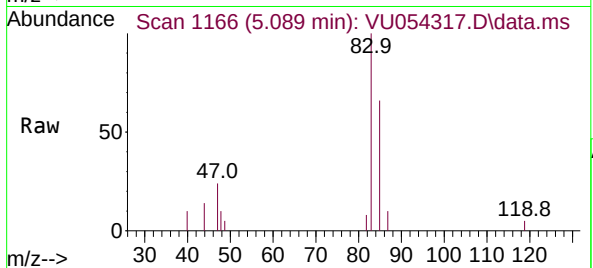




#30
Chloroform
Concen: 1.006 ug/l
RT: 5.089 min Scan# 1166
Delta R.T. 0.010 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

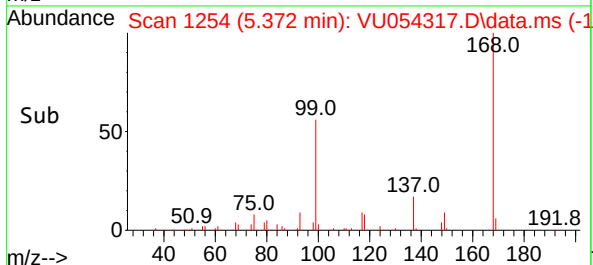
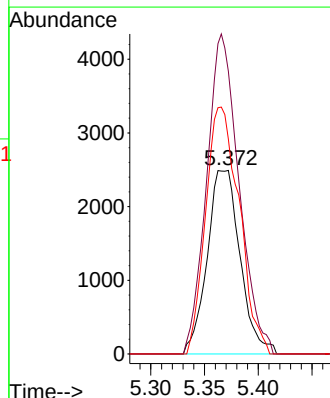
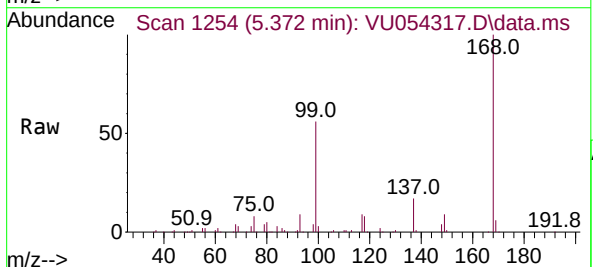
Instrument :
MSVOA_U
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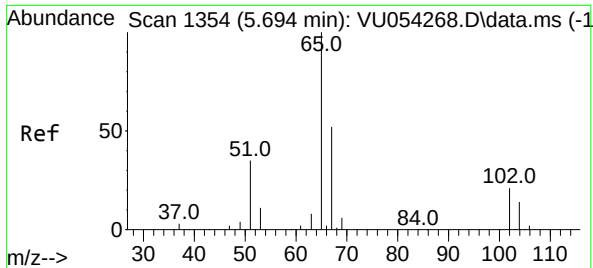
Tgt Ion: 83 Resp: 5450
Ion Ratio Lower Upper
83 100
85 65.9 51.2 76.8



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

Tgt Ion: 56 Resp: 5300
Ion Ratio Lower Upper
56 100
69 154.1 27.8 41.8#
84 117.1 74.2 111.4#

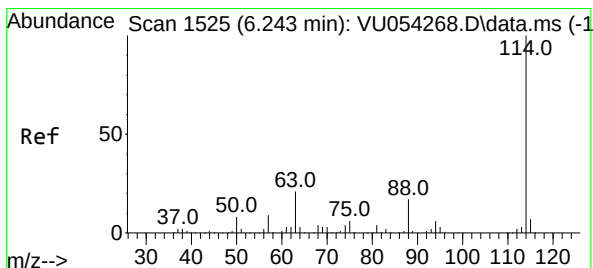
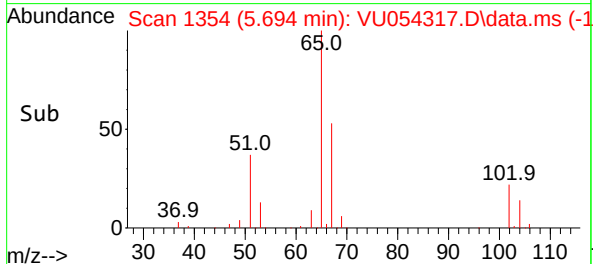
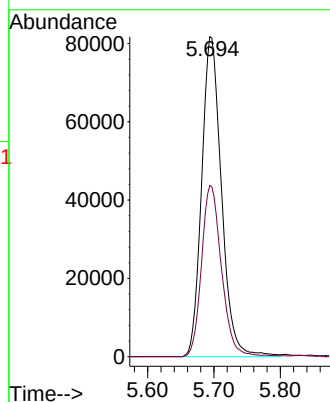
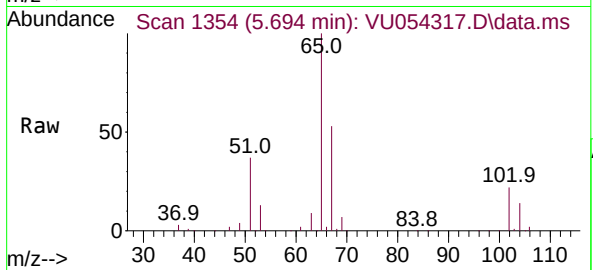




#33
 1,2-Dichloroethane-d4
 Concen: 51.514 ug/l
 RT: 5.694 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VU054317.D
 Acq: 30 May 2023 16:33

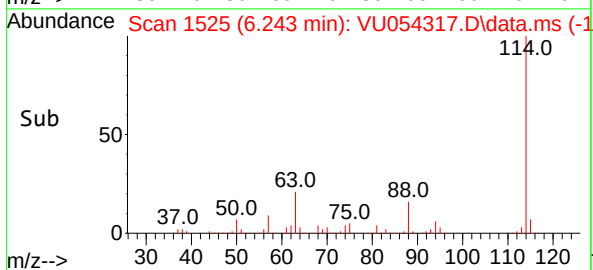
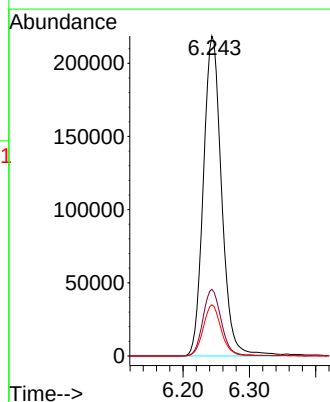
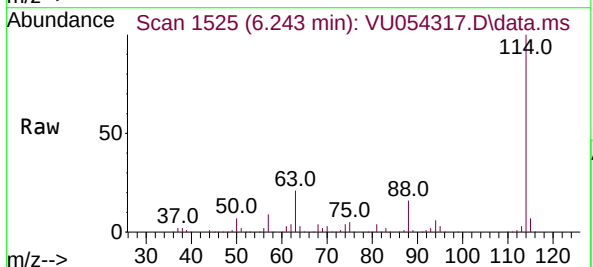
Instrument :
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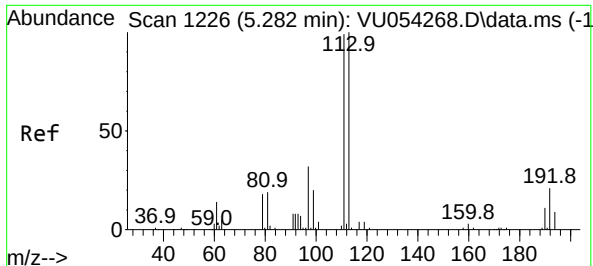
Tgt Ion: 65 Resp: 170062
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.243 min Scan# 1525
 Delta R.T. 0.000 min
 Lab File: VU054317.D
 Acq: 30 May 2023 16:33

Tgt Ion: 114 Resp: 417088
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.8
 88 16.0 0.0 29.2

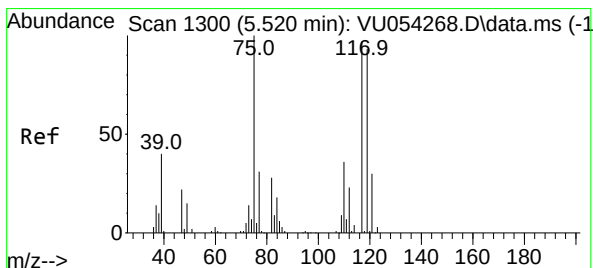
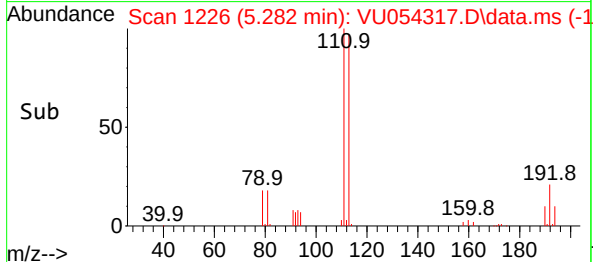
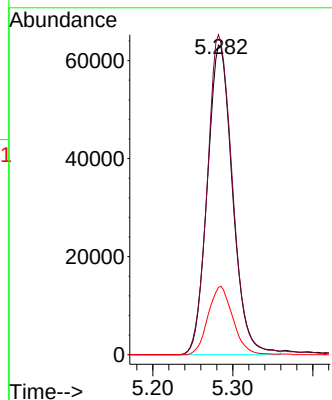
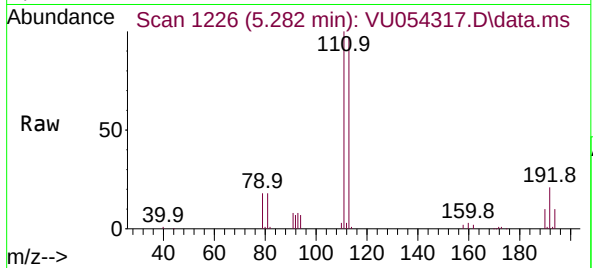




#35
Dibromofluoromethane
Concen: 51.509 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

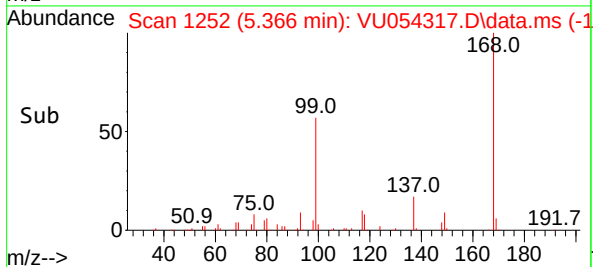
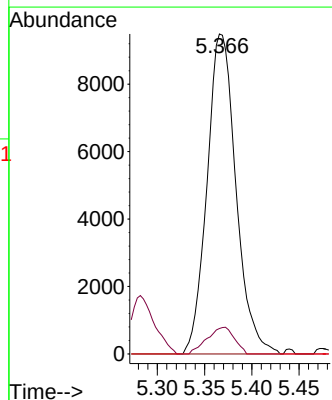
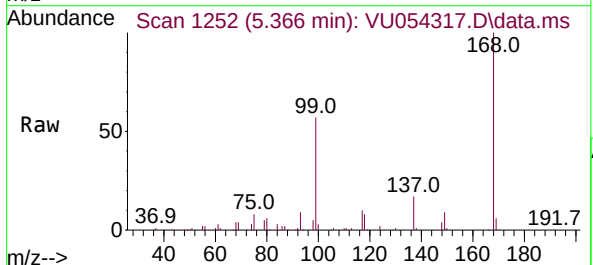
Instrument :
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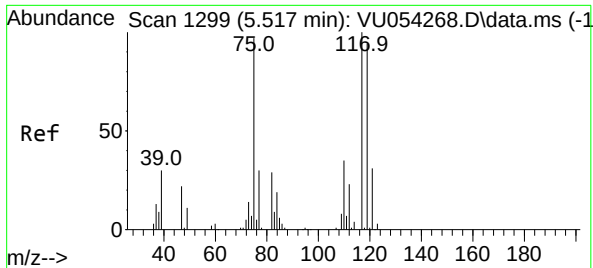
Tgt Ion:113 Resp: 138350
Ion Ratio Lower Upper
113 100
111 103.8 82.1 123.1
192 21.7 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.791 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.154 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

Tgt Ion: 75 Resp: 20211
Ion Ratio Lower Upper
75 100
110 7.9 18.4 55.2#
77 0.0 25.1 37.7#

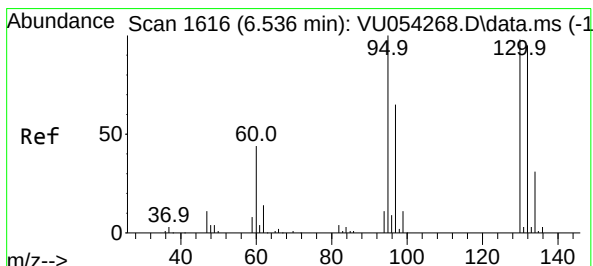
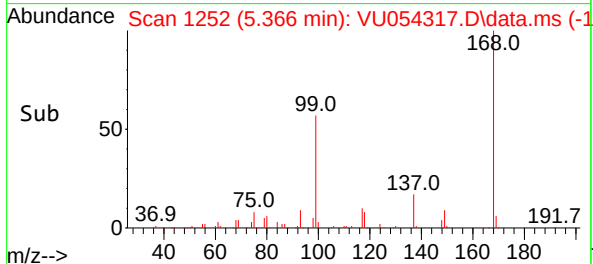
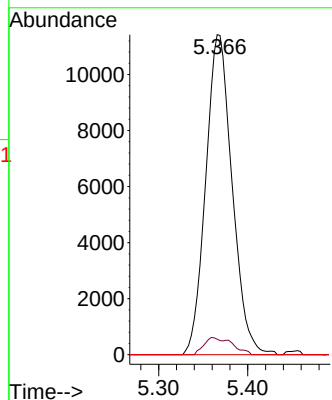
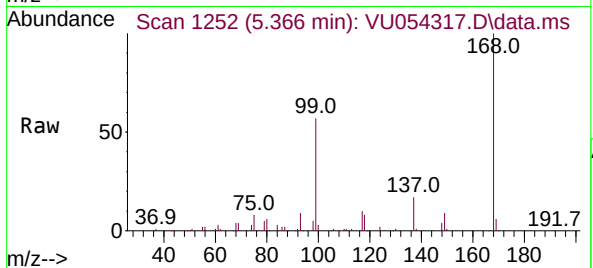




#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 5.366 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

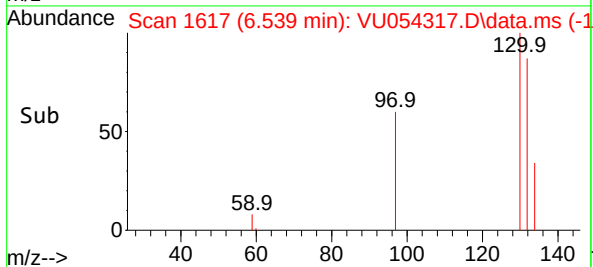
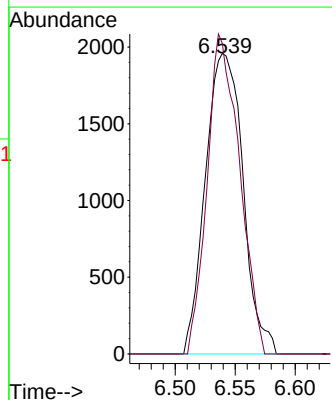
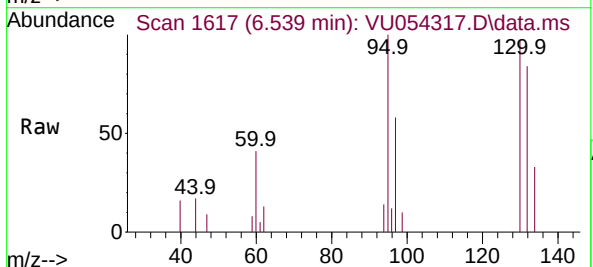
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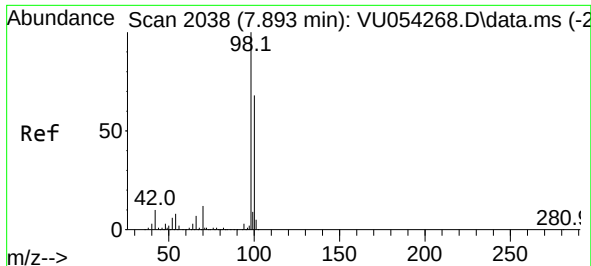
Tgt Ion:117 Resp: 23502
Ion Ratio Lower Upper
117 100
119 4.8 76.8 115.2#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 1.269 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

Tgt Ion:130 Resp: 4267
Ion Ratio Lower Upper
130 100
95 103.4 0.0 184.6

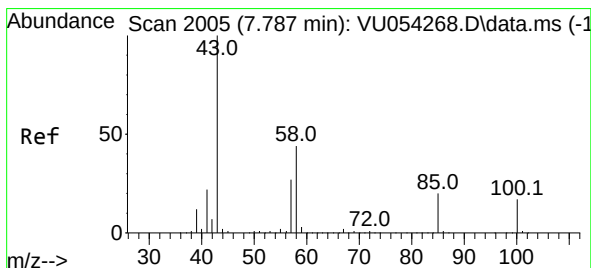
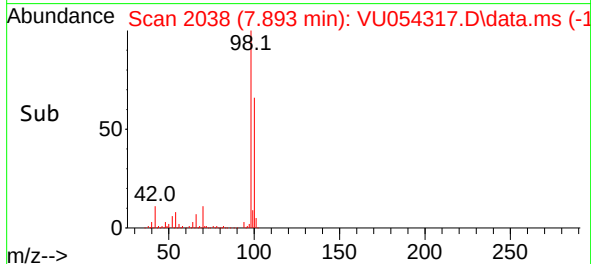
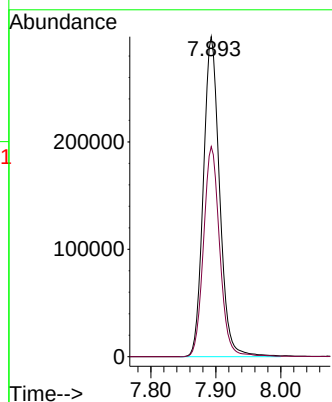
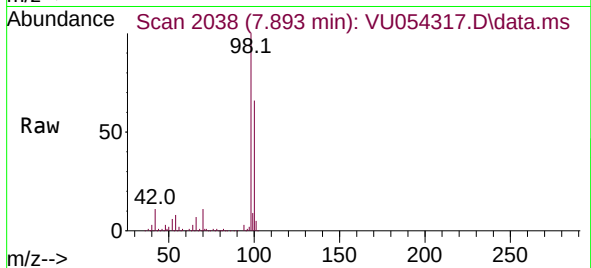




#50
Toluene-d8
Concen: 50.858 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

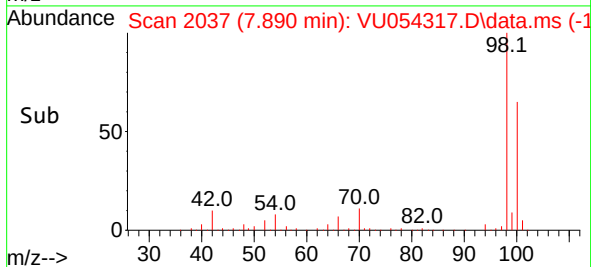
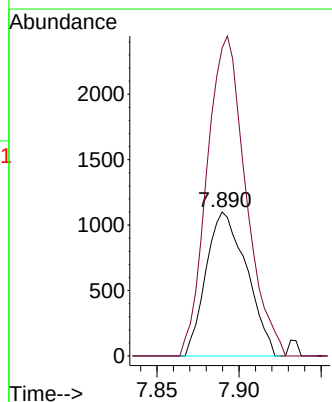
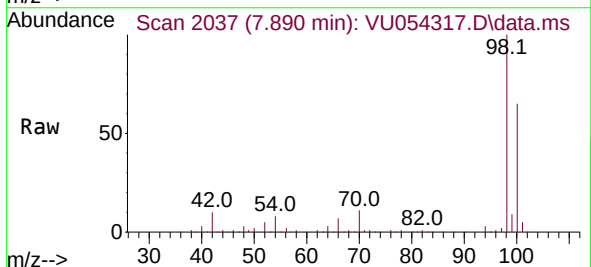
Instrument :
MSVOA_U
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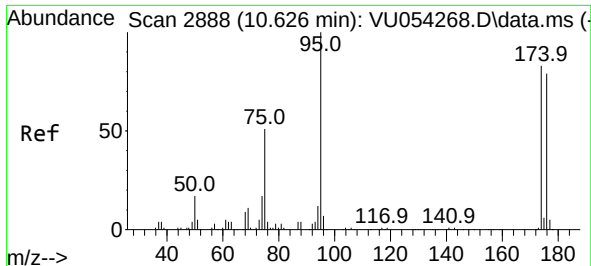
Tgt Ion: 98 Resp: 519591
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.400 ug/l
RT: 7.890 min Scan# 2037
Delta R.T. 0.103 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
58 212.0 34.7 52.1#

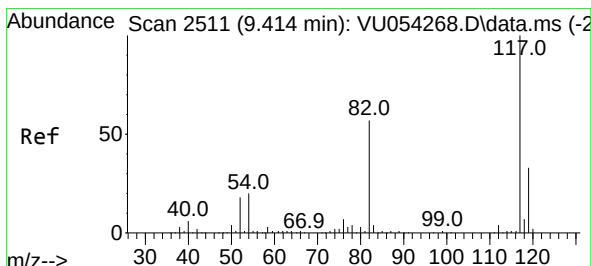
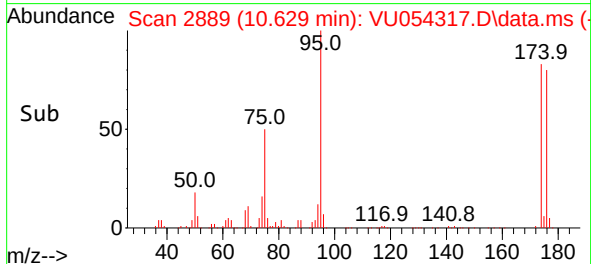
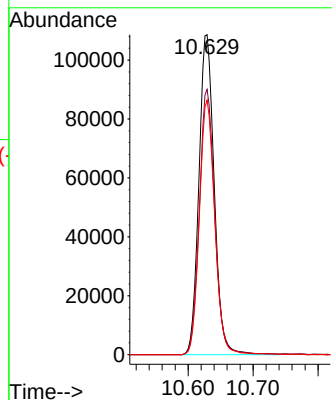
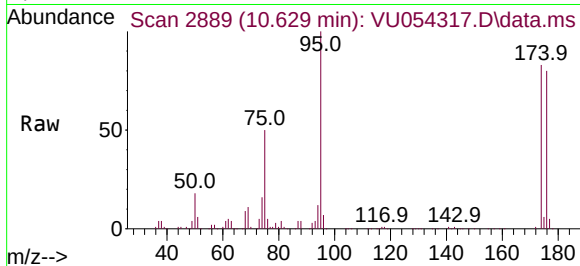




#62
4-Bromofluorobenzene
Concen: 45.111 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

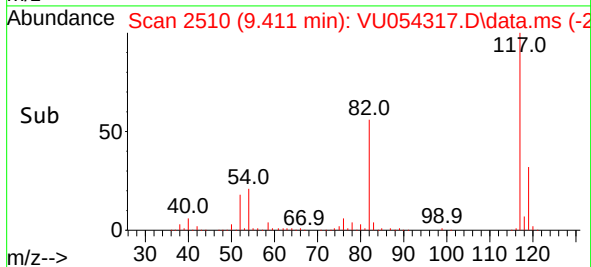
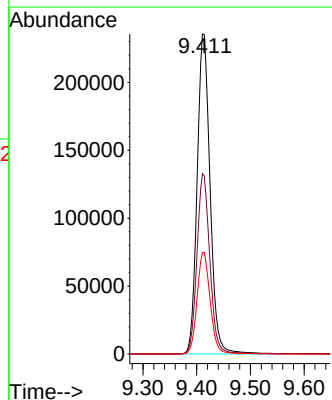
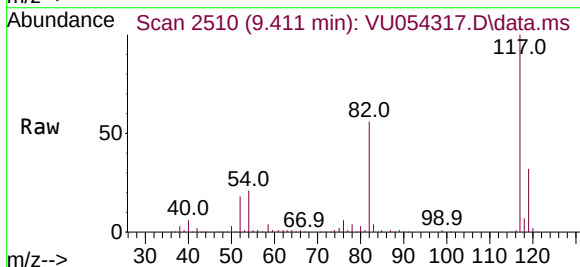
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

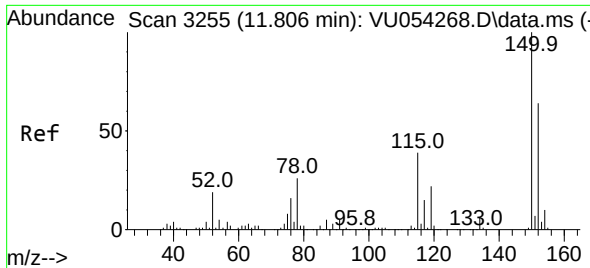
Tgt Ion: 95 Resp: 178702
Ion Ratio Lower Upper
95 100
174 83.3 0.0 182.0
176 79.7 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2510
Delta R.T. -0.003 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

Tgt Ion: 117 Resp: 394771
Ion Ratio Lower Upper
117 100
82 56.3 41.7 62.5
119 31.7 25.7 38.5

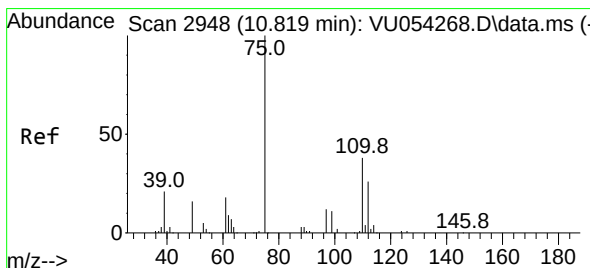
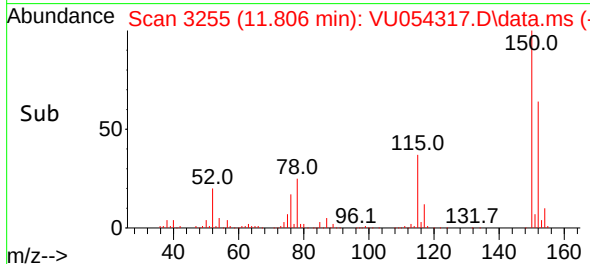
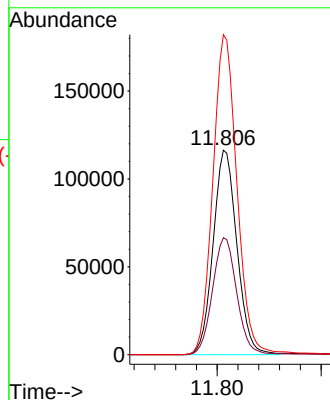
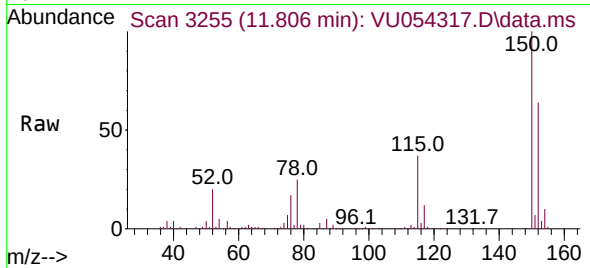




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054317.D
 Acq: 30 May 2023 16:33

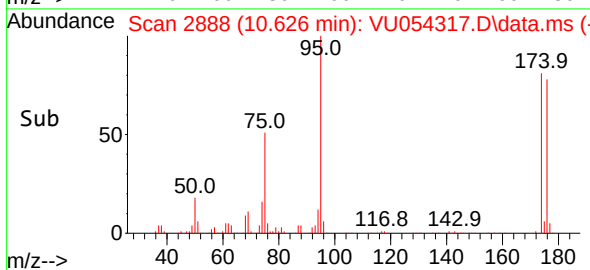
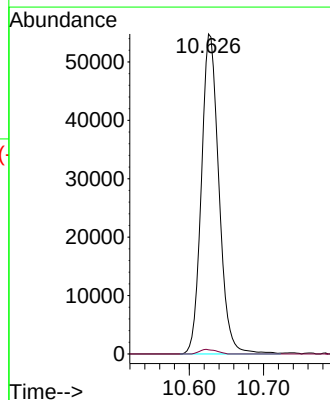
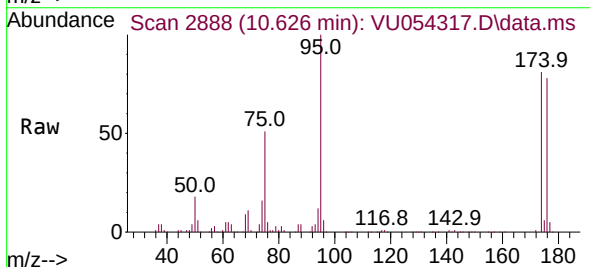
Instrument :
 MSVOA_U
 ClientSampleId :
 EB02-20230523

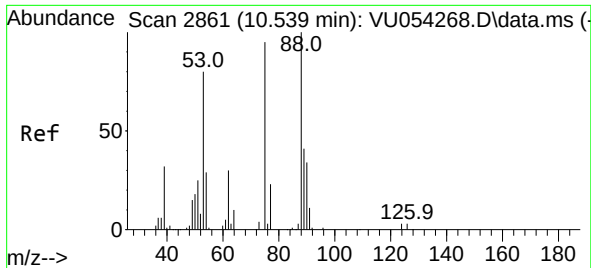
Tgt Ion:152 Resp: 185008
 Ion Ratio Lower Upper
 152 100
 115 58.4 37.0 110.9
 150 159.3 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 16.627 ug/l
 RT: 10.626 min Scan# 2888
 Delta R.T. -0.193 min
 Lab File: VU054317.D
 Acq: 30 May 2023 16:33

Tgt Ion: 75 Resp: 89779
 Ion Ratio Lower Upper
 75 100
 77 1.4 15.8 47.3#

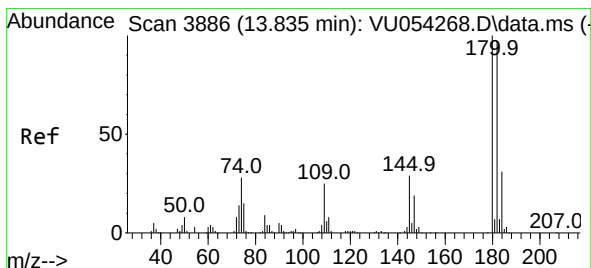
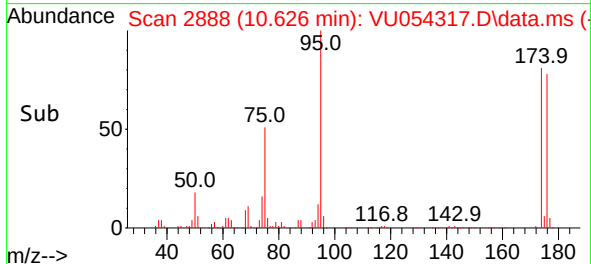
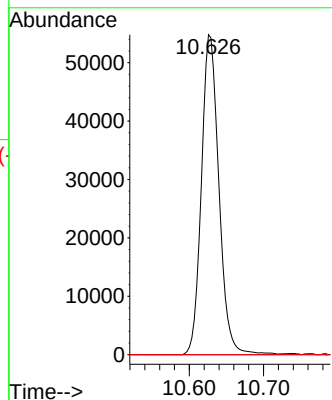
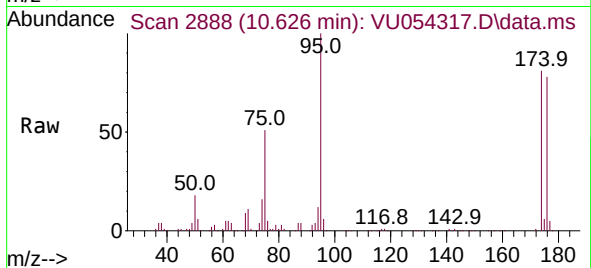




#81
trans-1,4-Dichloro-2-butene
Concen: 63.314 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

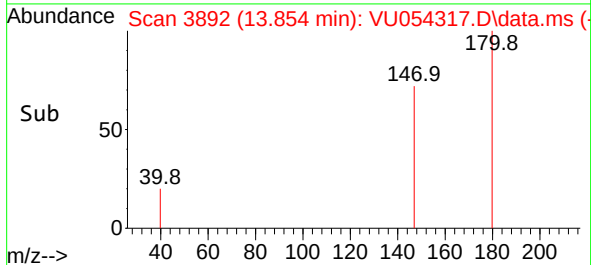
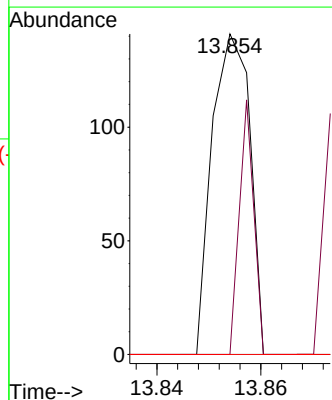
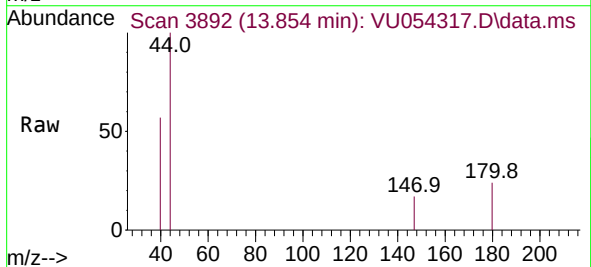
Instrument :
MSVOA_U
ClientSampleId :
EB02-20230523

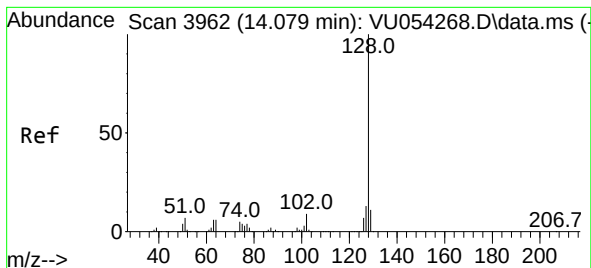
Tgt Ion: 75 Resp: 89779
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.659 ug/l
RT: 13.854 min Scan# 3892
Delta R.T. 0.019 min
Lab File: VU054317.D
Acq: 30 May 2023 16:33

Tgt Ion:180 Resp: 71
Ion Ratio Lower Upper
180 100
182 31.0 47.9 143.6#
145 0.0 14.0 41.9#





#95

Naphthalene

Concen: 2.038 ug/l

RT: 14.118 min Scan# 3974

Delta R.T. 0.039 min

Lab File: VU054317.D

Acq: 30 May 2023 16:33

Instrument :

MSVOA_U

ClientSampleId :

EB02-20230523

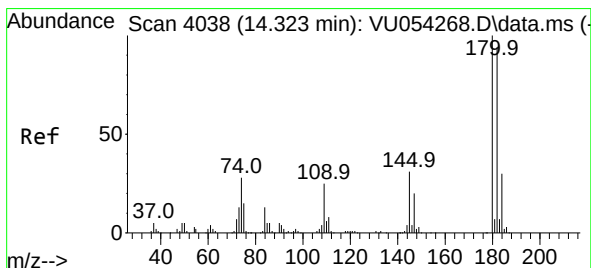
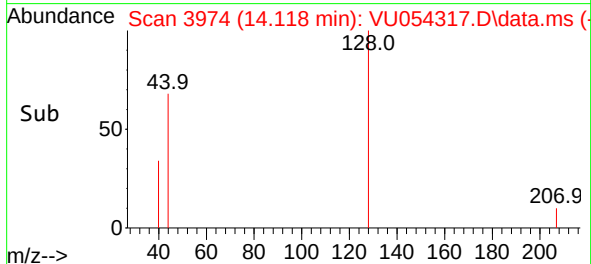
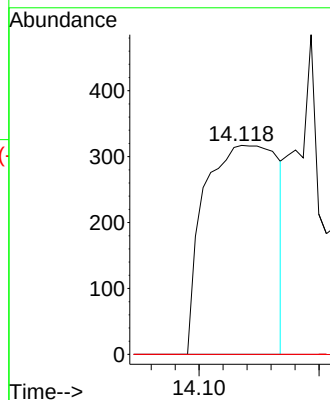
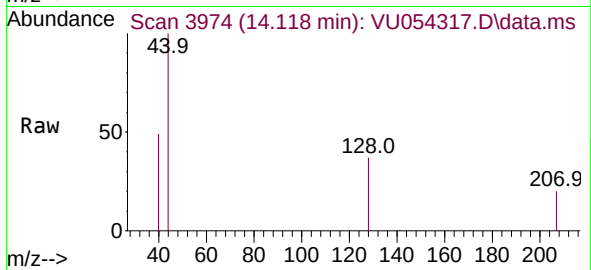
Tgt Ion:128 Resp: 668

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: 1.264 ug/l

RT: 14.327 min Scan# 4039

Delta R.T. 0.004 min

Lab File: VU054317.D

Acq: 30 May 2023 16:33

Tgt Ion:180 Resp: 40

Ion Ratio Lower Upper

180 100

182 0.0 48.4 145.0#

145 0.0 14.8 44.4#

