

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054297.D
 Acq On : 26 May 2023 19:47
 Operator : JC/MD
 Sample : 02936-18 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 45BR-20230524

Quant Time: May 30 00:06:21 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)

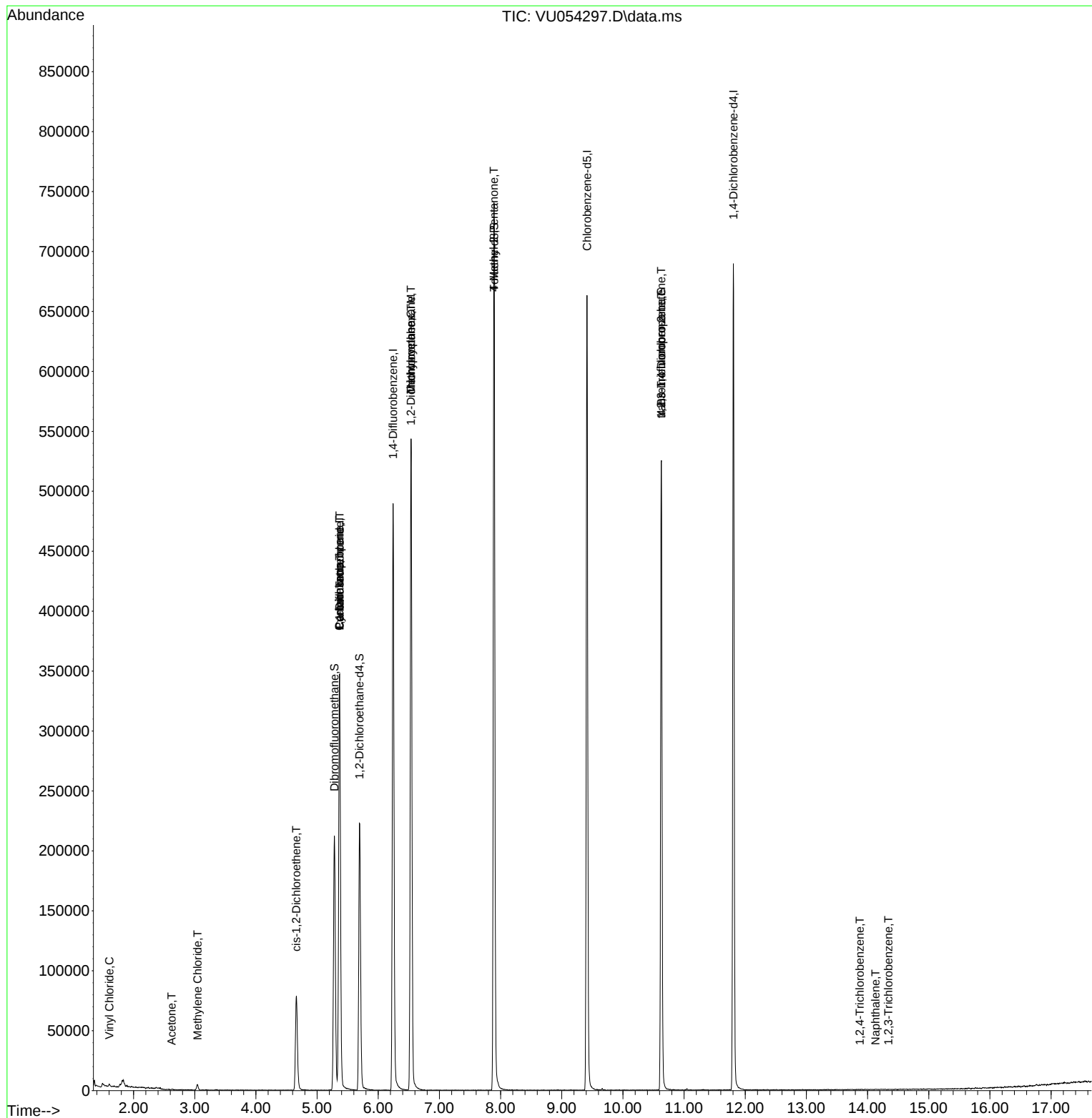
Internal Standards						
1) Pentafluorobenzene	5.369	168	252632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	408950	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	381507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	195986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.693	65	167278	50.510	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 101.020%		
35) Dibromofluoromethane	5.282	113	138783	52.698	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.400%		
50) Toluene-d8	7.893	98	503313	50.245	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 100.500%		
62) 4-Bromofluorobenzene	10.629	95	178500	45.957	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 91.920%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.604	62	1174	0.333	ug/l #	79
16) Acetone	2.620	43	646	0.340	ug/l	99
20) Methylene Chloride	3.044	84	2414	0.705	ug/l #	89
27) cis-1,2-Dichloroethene	4.661	96	42937	13.267	ug/l	95
31) Cyclohexane	5.365	56	4796	1.026	ug/l #	1
36) 1,1-Dichloropropene	5.365	75	18863	4.560	ug/l #	50
38) Carbon Tetrachloride	5.369	117	25403	6.000	ug/l #	16
39) Methylcyclohexane	6.536	83	2497	0.533	ug/l #	1
44) Trichloroethene	6.536	130	191699	58.123	ug/l	93
45) 1,2-Dichloropropane	6.533	63	725	0.236	ug/l #	1
51) 4-Methyl-2-Pentanone	7.889	43	1642	0.354	ug/l #	1
76) 1,2,3-Trichloropropane	10.626	75	90149	15.760	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	90149	60.014	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.873	180	46	1.653	ug/l #	45
95) Naphthalene	14.127	128	252	2.008	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.339	180	40	1.263	ug/l #	12

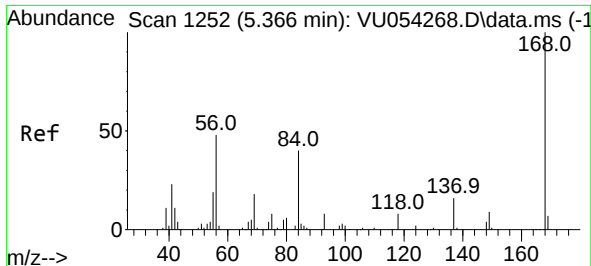
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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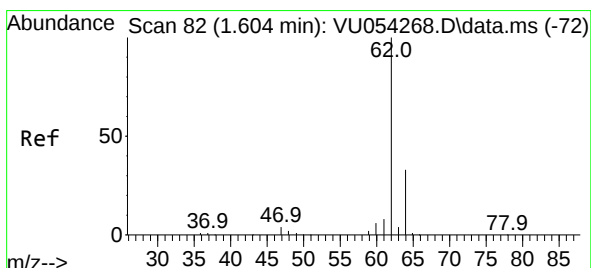
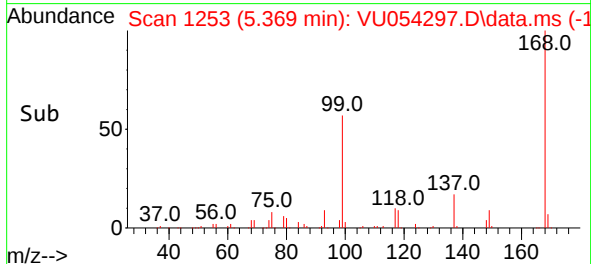
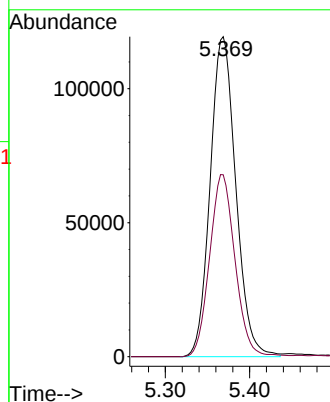
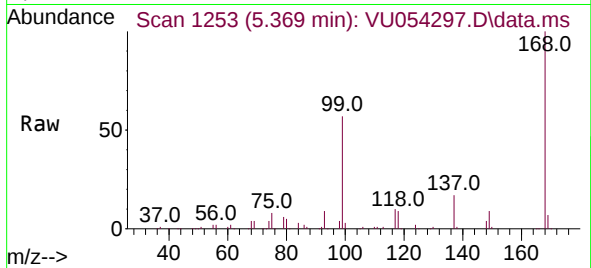




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

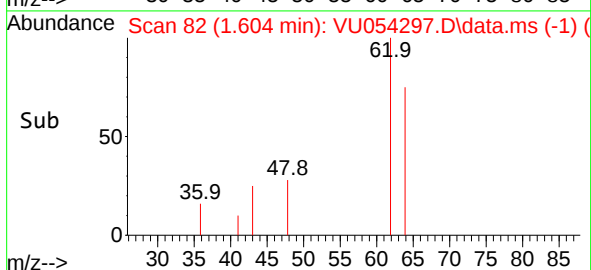
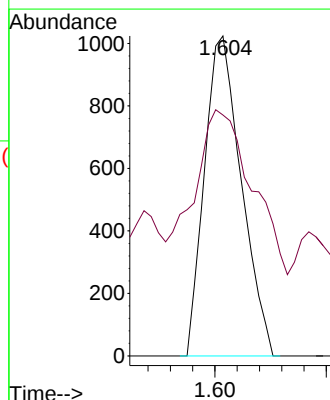
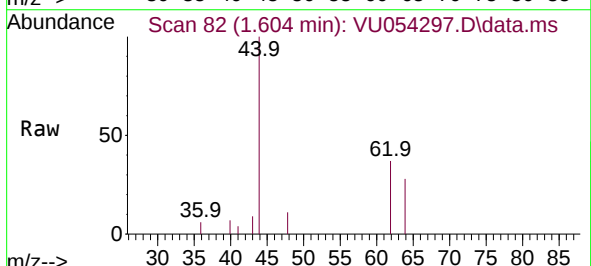
Instrument :
MSVOA_U
ClientSampleId :
45BR-20230524

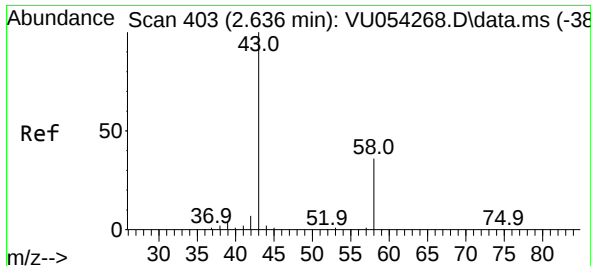
Tgt Ion:168 Resp: 252632
Ion Ratio Lower Upper
168 100
99 56.8 39.3 58.9



#4
Vinyl Chloride
Concen: 0.333 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

Tgt Ion: 62 Resp: 1174
Ion Ratio Lower Upper
62 100
64 43.4 25.3 37.9#





#16

Acetone

Concen: 0.340 ug/l

RT: 2.620 min Scan# 398

Delta R.T. -0.016 min

Lab File: VU054297.D

Acq: 26 May 2023 19:47

Instrument :

MSVOA_U

ClientSampleId :

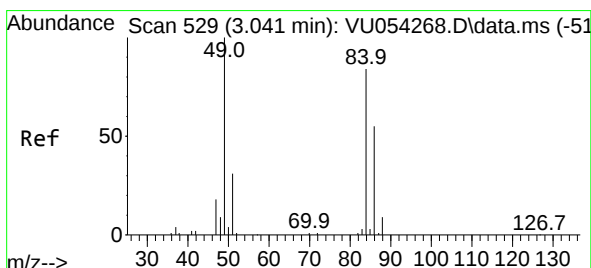
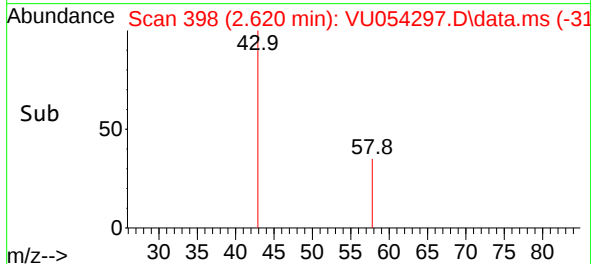
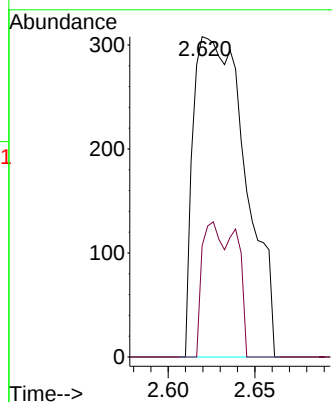
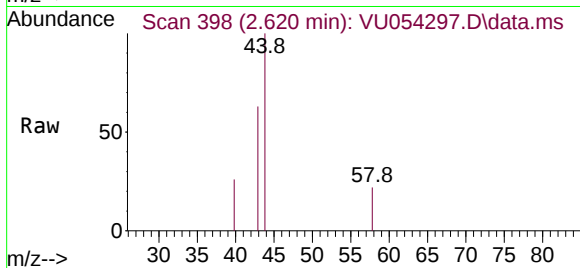
45BR-20230524

Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

58 34.7 27.5 41.3



#20

Methylene Chloride

Concen: 0.705 ug/l

RT: 3.044 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU054297.D

Acq: 26 May 2023 19:47

Tgt Ion: 84 Resp: 2414

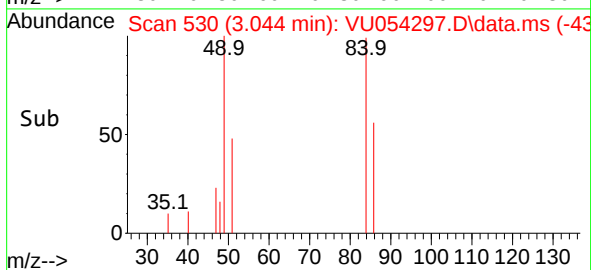
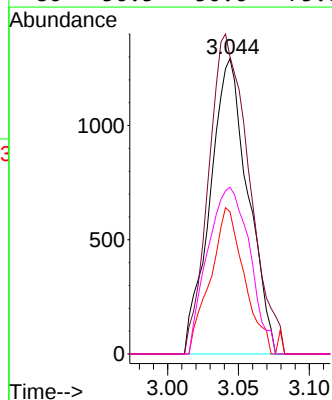
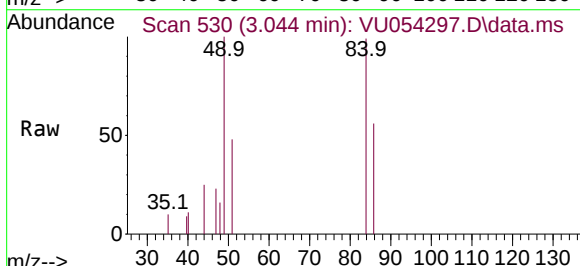
Ion Ratio Lower Upper

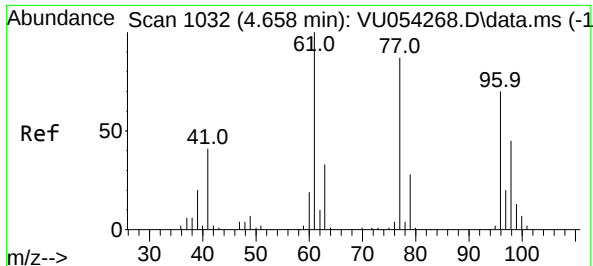
84 100

49 100.8 86.6 129.8

51 48.2 26.6 40.0#

86 56.5 50.6 75.8

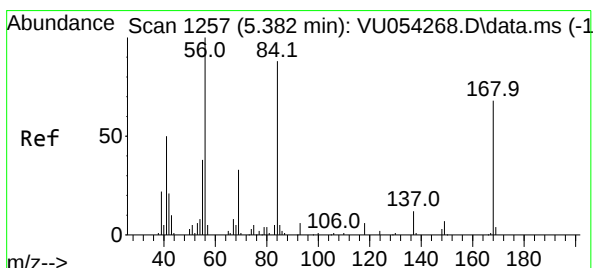
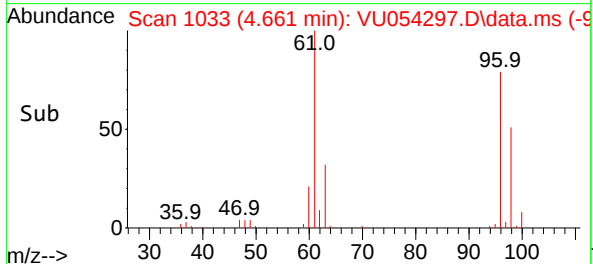
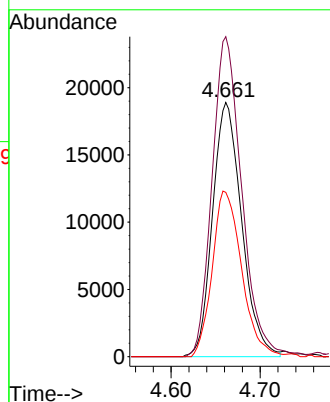
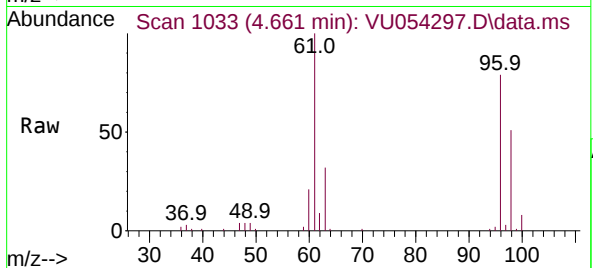




#27
 cis-1,2-Dichloroethene
 Concen: 13.267 ug/l
 RT: 4.661 min Scan# 1033
 Delta R.T. 0.003 min
 Lab File: VU054297.D
 Acq: 26 May 2023 19:47

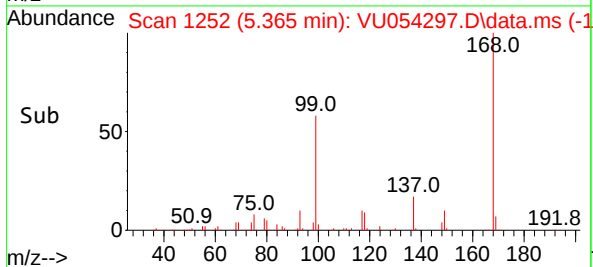
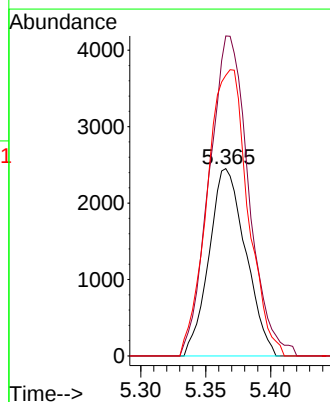
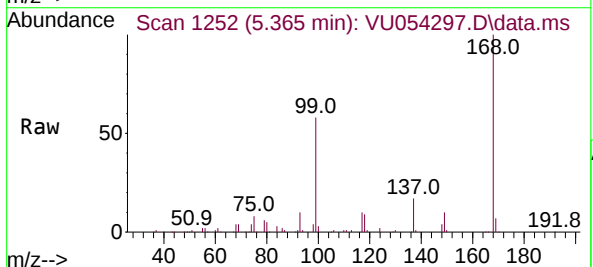
Instrument :
 MSVOA_U
 ClientSampleId :
 45BR-20230524

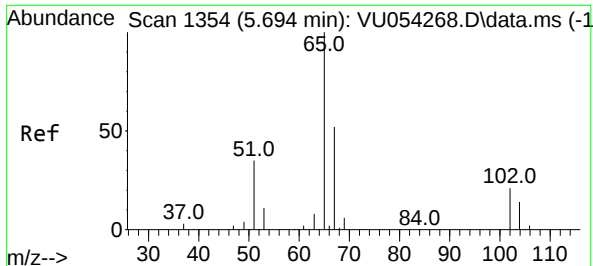
Tgt Ion: 96 Resp: 42937
 Ion Ratio Lower Upper
 96 100
 61 128.4 0.0 271.6
 98 65.6 0.0 128.2



#31
 Cyclohexane
 Concen: 1.026 ug/l
 RT: 5.365 min Scan# 1252
 Delta R.T. -0.017 min
 Lab File: VU054297.D
 Acq: 26 May 2023 19:47

Tgt Ion: 56 Resp: 4796
 Ion Ratio Lower Upper
 56 100
 69 170.8 27.8 41.8#
 84 149.7 74.2 111.4#





#33

1,2-Dichloroethane-d4

Concen: 50.510 ug/l

RT: 5.693 min Scan# 1

Delta R.T. -0.001 min

Lab File: VU054297.D

Acq: 26 May 2023 19:47

Instrument :

MSVOA_U

ClientSampleId :

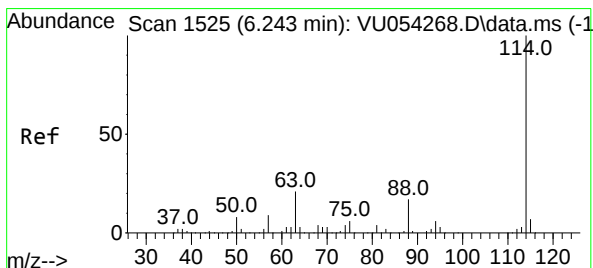
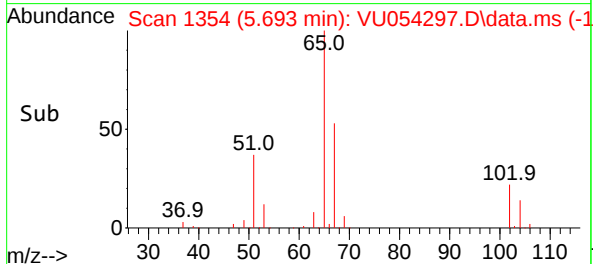
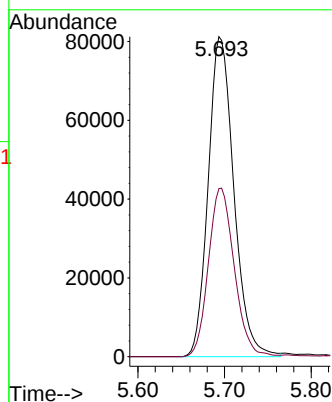
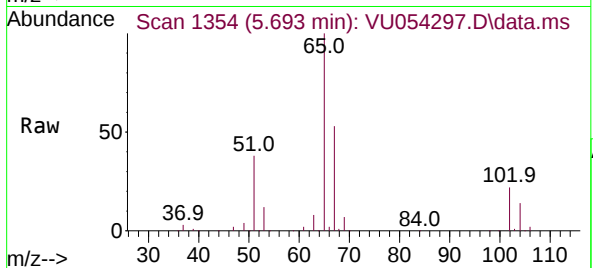
45BR-20230524

Tgt Ion: 65 Resp: 167278

Ion Ratio Lower Upper

65 100

67 53.0 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: VU054297.D

Acq: 26 May 2023 19:47

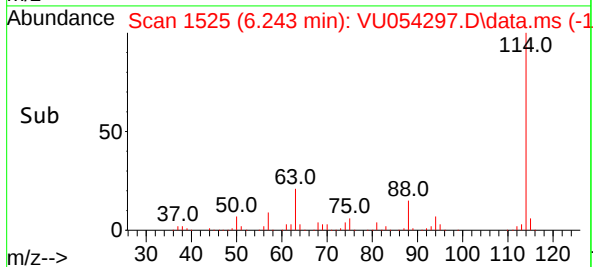
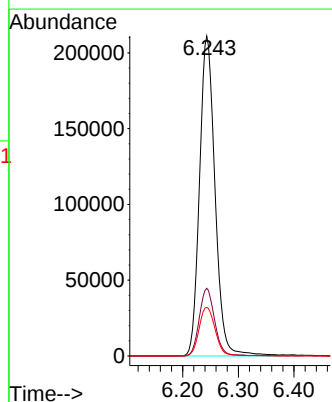
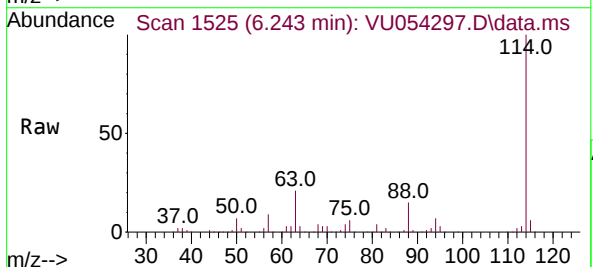
Tgt Ion: 114 Resp: 408950

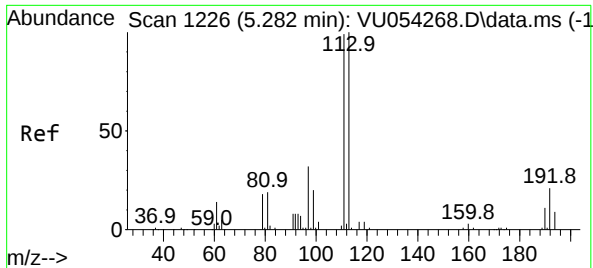
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 15.2 0.0 29.2

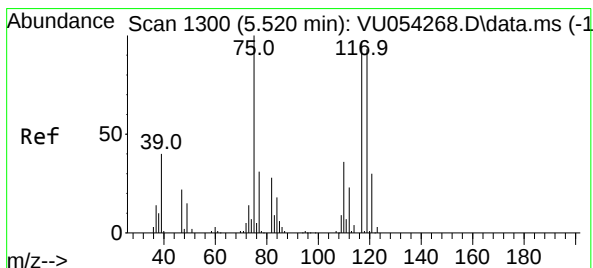
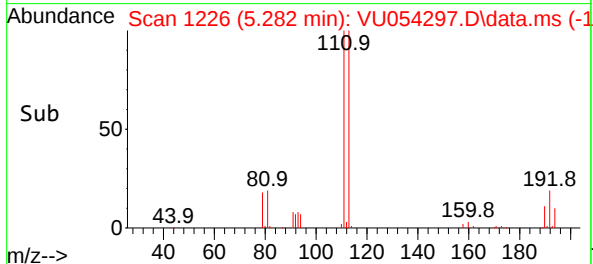
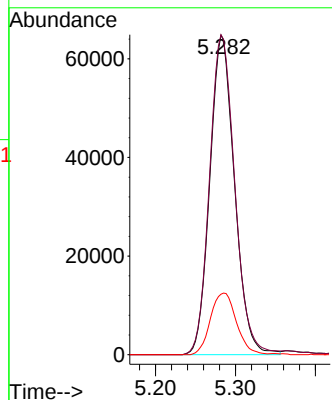
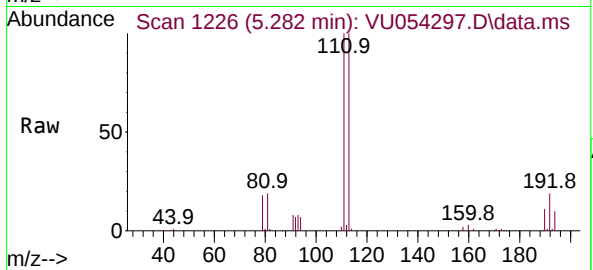




#35
Dibromofluoromethane
Concen: 52.698 ug/l
RT: 5.282 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

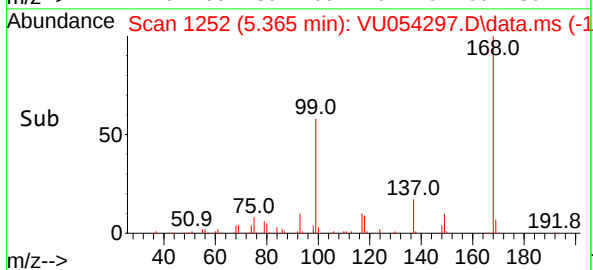
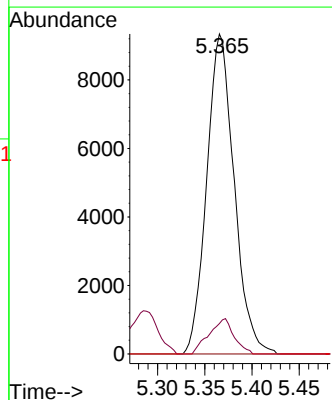
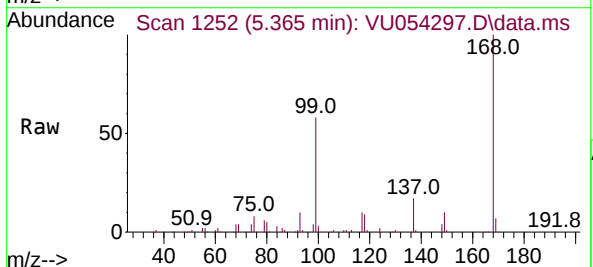
Instrument :
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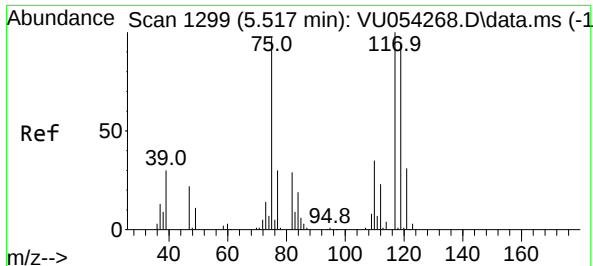
Tgt Ion:113 Resp: 138783
Ion Ratio Lower Upper
113 100
111 102.5 82.1 123.1
192 20.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.560 ug/l
RT: 5.365 min Scan# 1252
Delta R.T. -0.155 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

Tgt Ion: 75 Resp: 18863
Ion Ratio Lower Upper
75 100
110 10.0 18.4 55.2#
77 0.0 25.1 37.7#

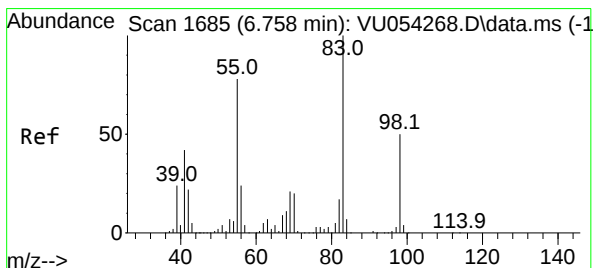
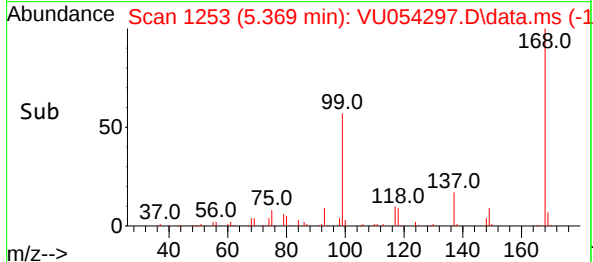
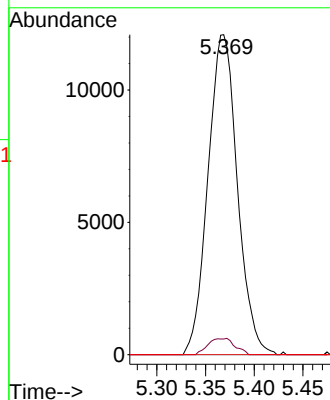
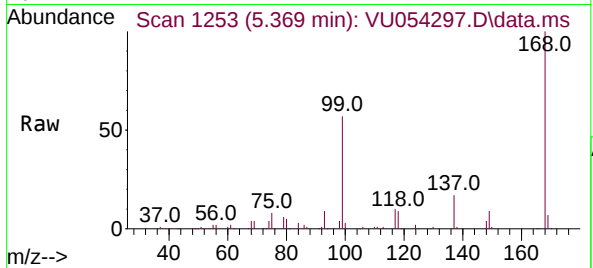




#38
Carbon Tetrachloride
Concen: 6.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

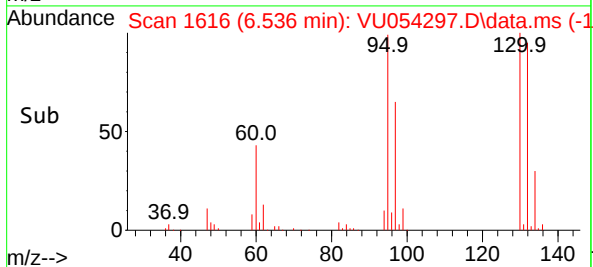
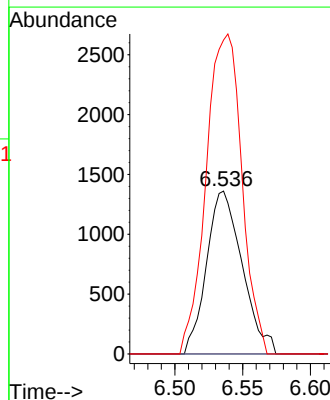
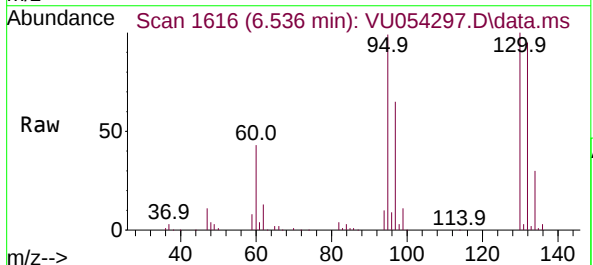
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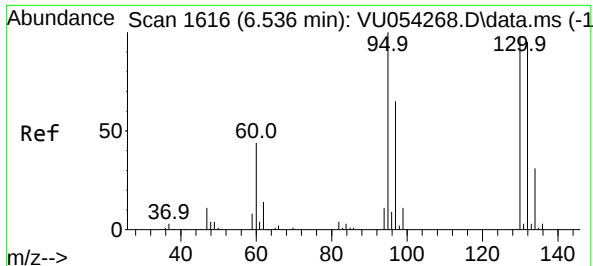
Tgt Ion:117 Resp: 25403
Ion Ratio Lower Upper
117 100
119 4.9 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 0.533 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.222 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

Tgt Ion: 83 Resp: 2497
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 192.7 37.3 55.9#

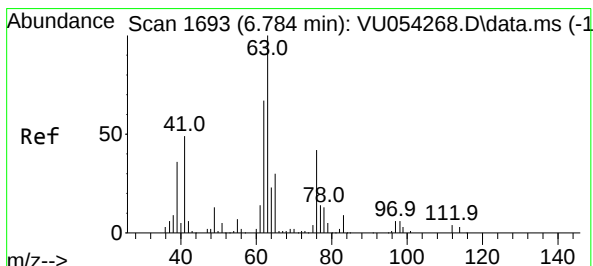
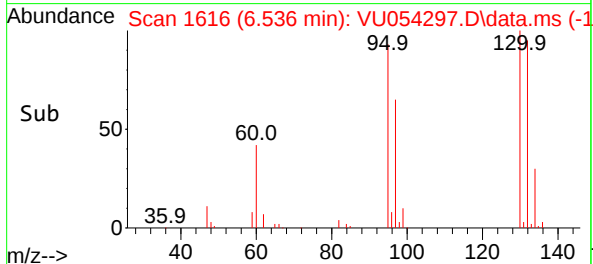
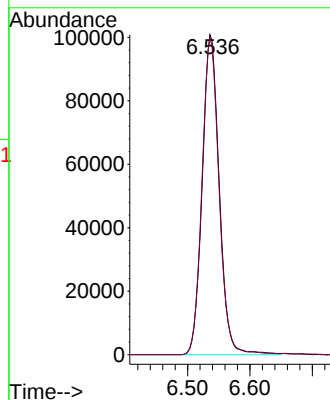
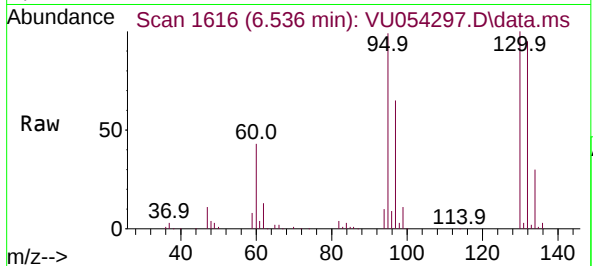




#44
Trichloroethene
Concen: 58.123 ug/l
RT: 6.536 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

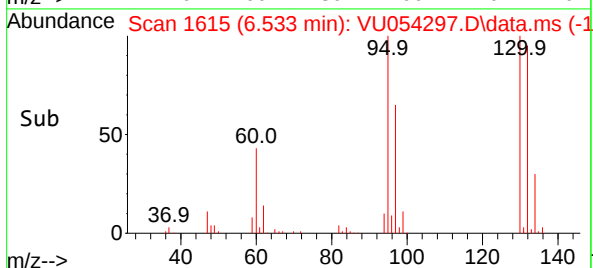
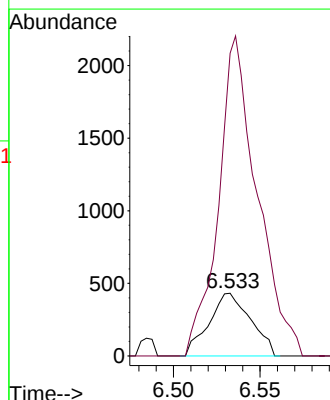
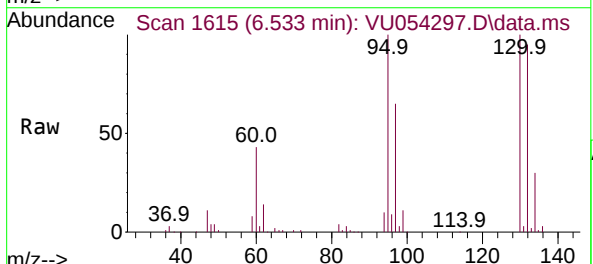
Instrument :
MSVOA_U
ClientSampleId :
45BR-20230524

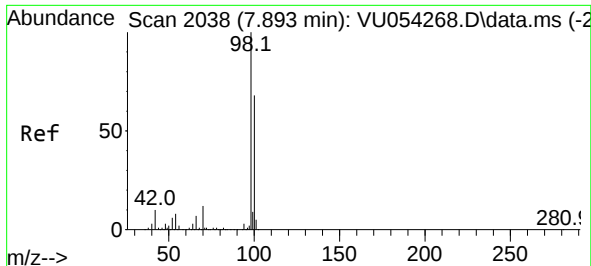
Tgt Ion:130 Resp: 191699
Ion Ratio Lower Upper
130 100
95 99.0 0.0 184.6



#45
1,2-Dichloropropane
Concen: 0.236 ug/l
RT: 6.533 min Scan# 1615
Delta R.T. -0.251 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

Tgt Ion: 63 Resp: 725
Ion Ratio Lower Upper
63 100
65 482.6 25.0 37.4#

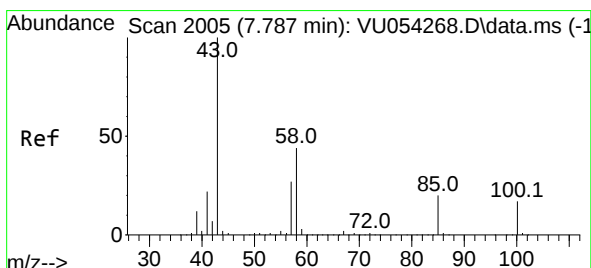
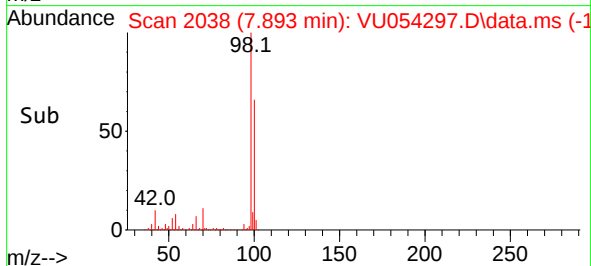
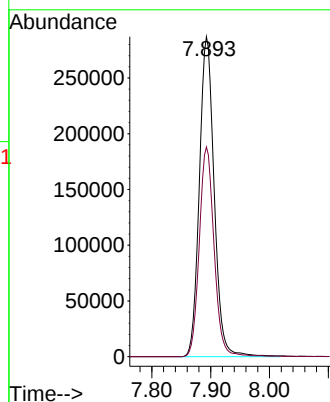
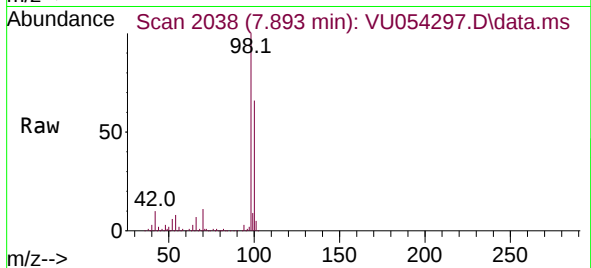




#50
Toluene-d8
Concen: 50.245 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

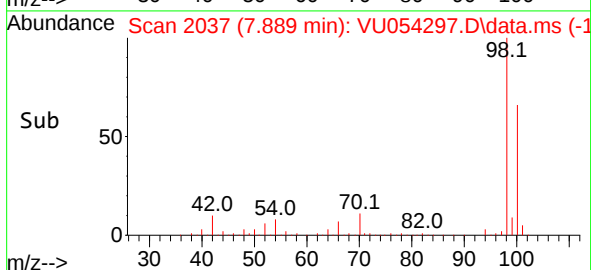
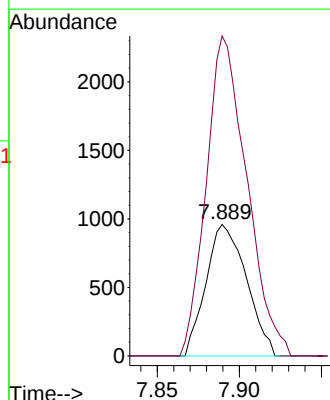
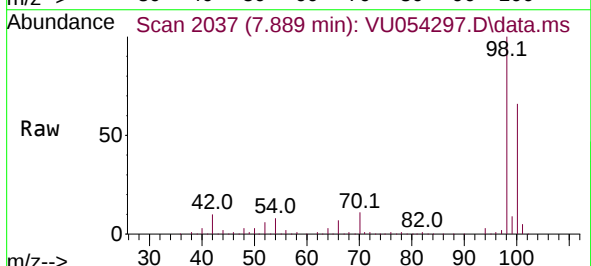
Instrument :
MSVOA_U
ClientSampleId :
45BR-20230524

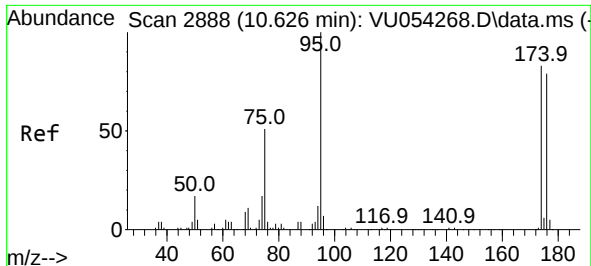
Tgt Ion: 98 Resp: 503313
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.354 ug/l
RT: 7.889 min Scan# 2037
Delta R.T. 0.102 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

Tgt Ion: 43 Resp: 1642
Ion Ratio Lower Upper
43 100
58 244.0 34.7 52.1#





#62

4-Bromofluorobenzene

Concen: 45.957 ug/l

RT: 10.629 min Scan# 2888

Delta R.T. 0.003 min

Lab File: VU054297.D

Acq: 26 May 2023 19:47

Instrument :

MSVOA_U

ClientSampleId :

45BR-20230524

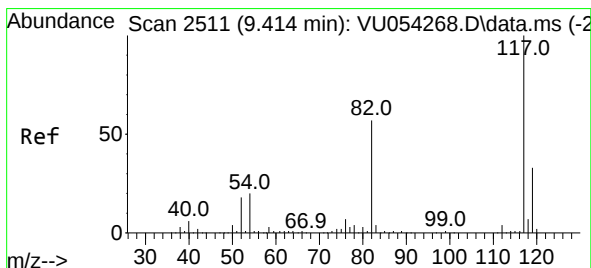
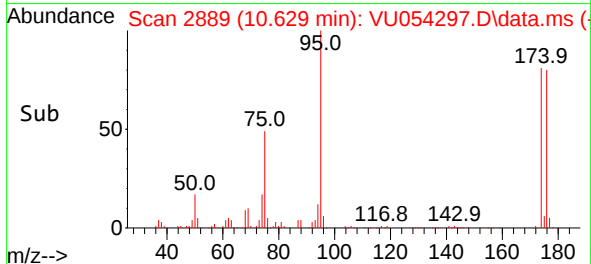
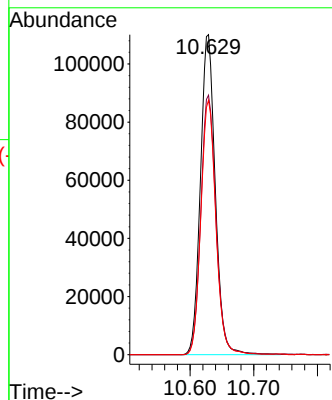
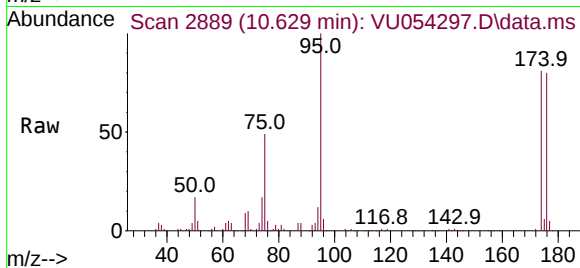
Tgt Ion: 95 Resp: 178500

Ion Ratio Lower Upper

95 100

174 82.7 0.0 182.0

176 80.3 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: VU054297.D

Acq: 26 May 2023 19:47

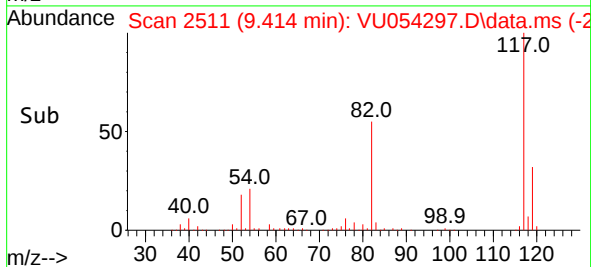
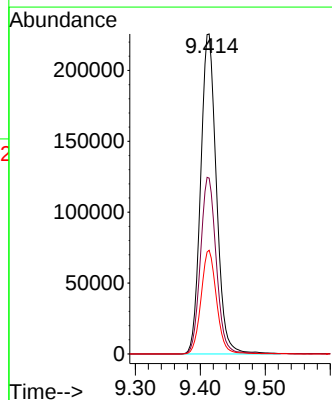
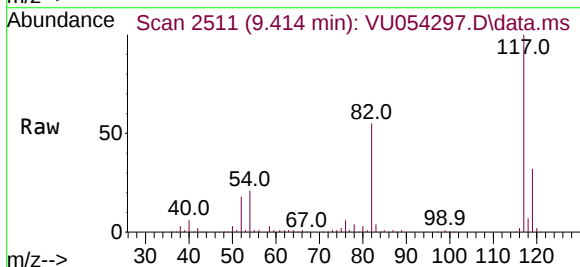
Tgt Ion: 117 Resp: 381507

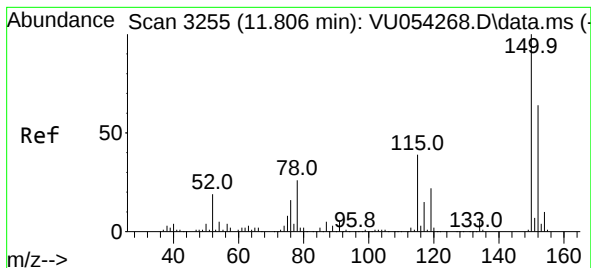
Ion Ratio Lower Upper

117 100

82 55.0 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: VU054297.D

Acq: 26 May 2023 19:47

Instrument :

MSVOA_U

ClientSampleId :

45BR-20230524

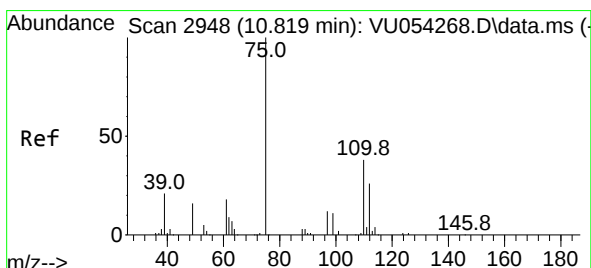
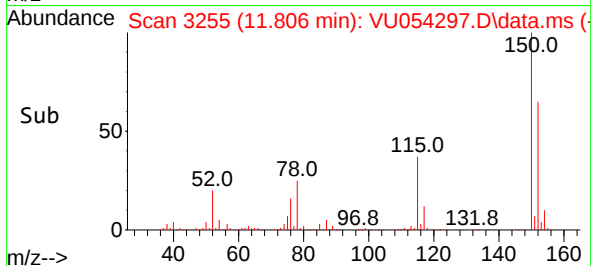
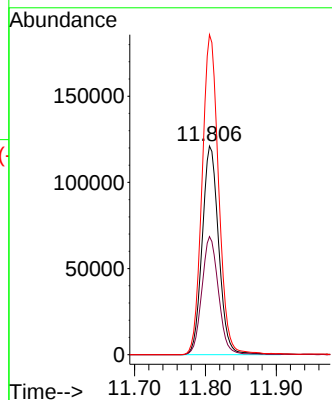
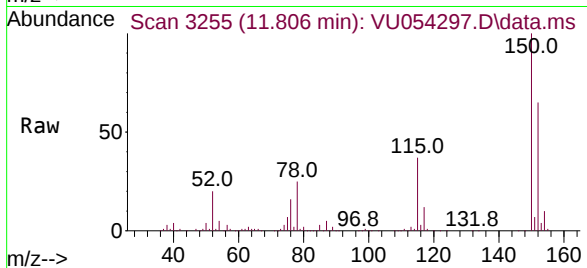
Tgt Ion:152 Resp: 195986

Ion Ratio Lower Upper

152 100

115 56.9 37.0 110.9

150 153.8 0.0 342.2



#76

1,2,3-Trichloropropane

Concen: 15.760 ug/l

RT: 10.626 min Scan# 2888

Delta R.T. -0.193 min

Lab File: VU054297.D

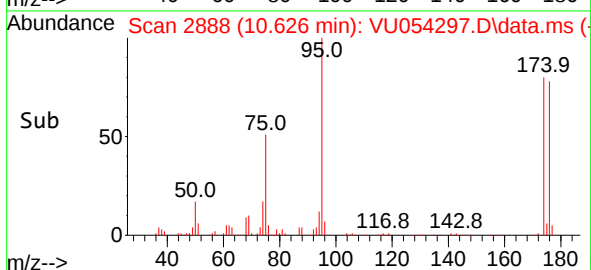
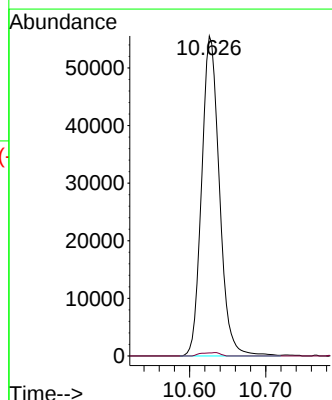
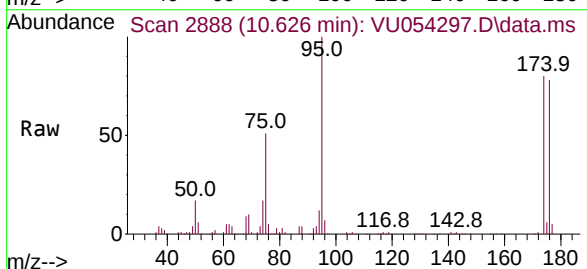
Acq: 26 May 2023 19:47

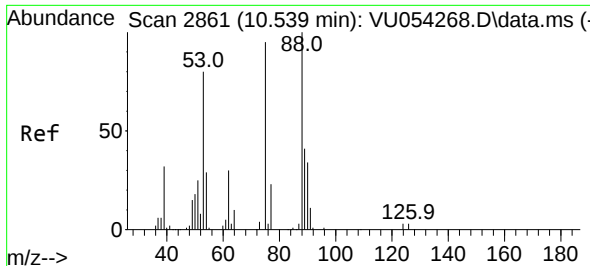
Tgt Ion: 75 Resp: 90149

Ion Ratio Lower Upper

75 100

77 1.1 15.8 47.3#

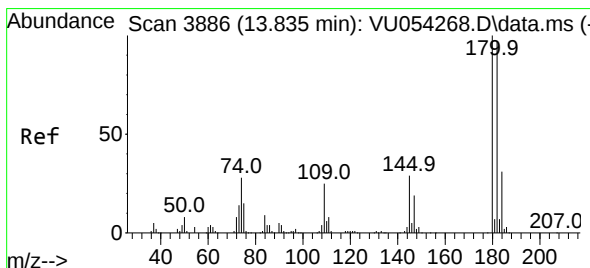
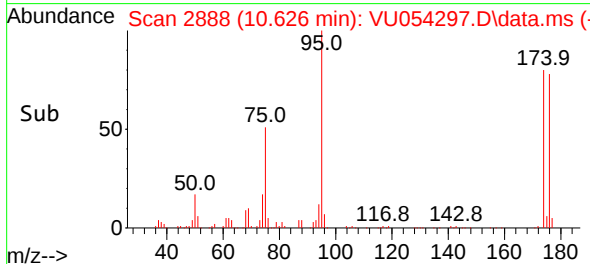
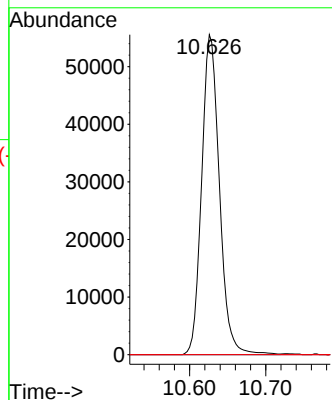
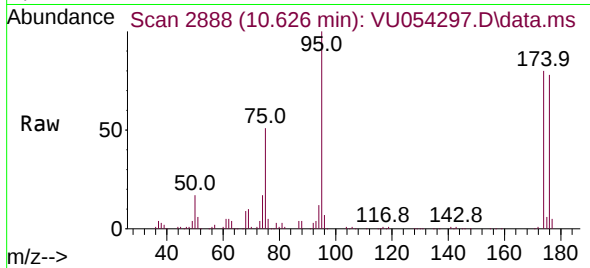




#81
trans-1,4-Dichloro-2-butene
Concen: 60.014 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

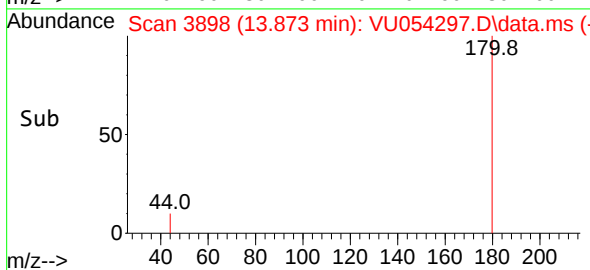
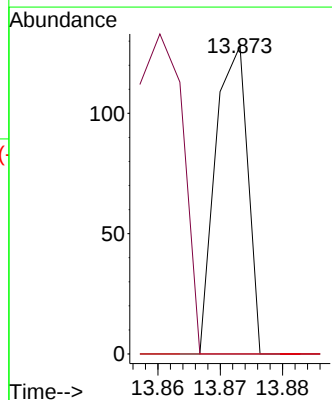
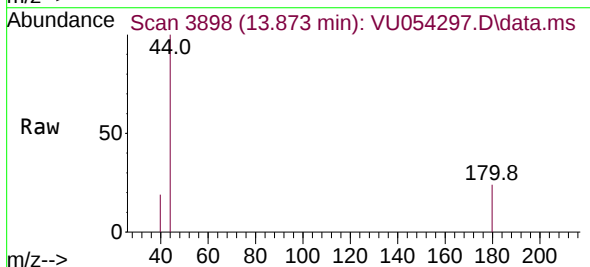
Instrument :
MSVOA_U
ClientSampleId :
45BR-20230524

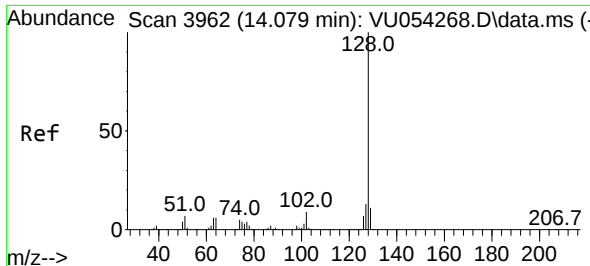
Tgt Ion: 75 Resp: 90149
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.653 ug/l
RT: 13.873 min Scan# 3898
Delta R.T. 0.038 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

Tgt Ion: 180 Resp: 46
Ion Ratio Lower Upper
180 100
182 150.0 47.9 143.6#
145 0.0 14.0 41.9#

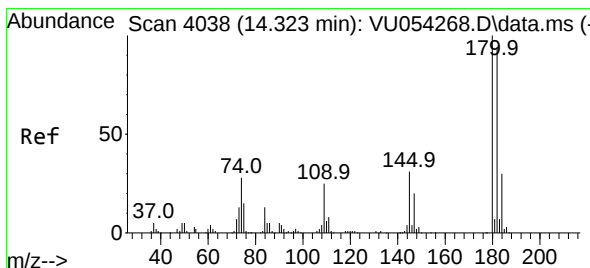
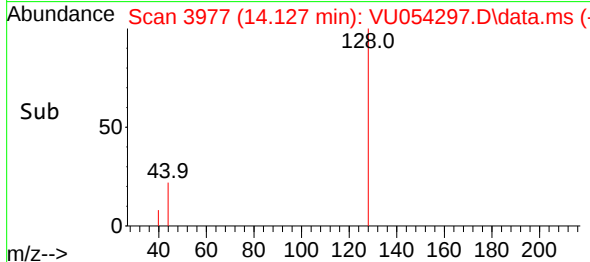
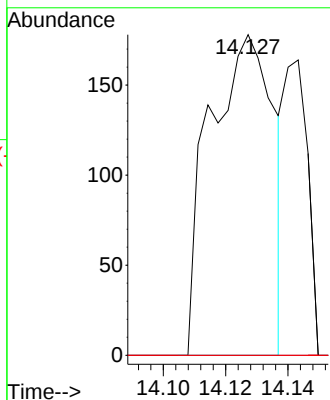
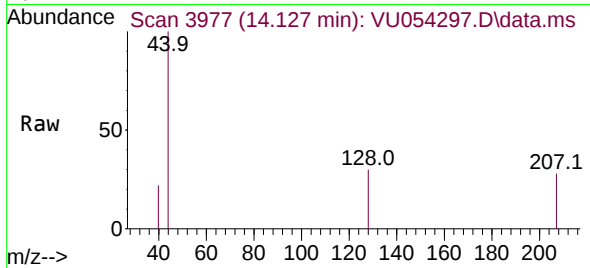




#95
Naphthalene
Concen: 2.008 ug/l
RT: 14.127 min Scan# 3962
Delta R.T. 0.048 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

Instrument :
MSVOA_U
ClientSampleId :
45BR-20230524

Tgt Ion:128 Resp: 252
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: 1.263 ug/l
RT: 14.339 min Scan# 4043
Delta R.T. 0.016 min
Lab File: VU054297.D
Acq: 26 May 2023 19:47

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#

