

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054288.D
 Acq On : 26 May 2023 16:13
 Operator : JC/MD
 Sample : 02936-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 8BR-20230524

Quant Time: May 30 00:03:07 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)

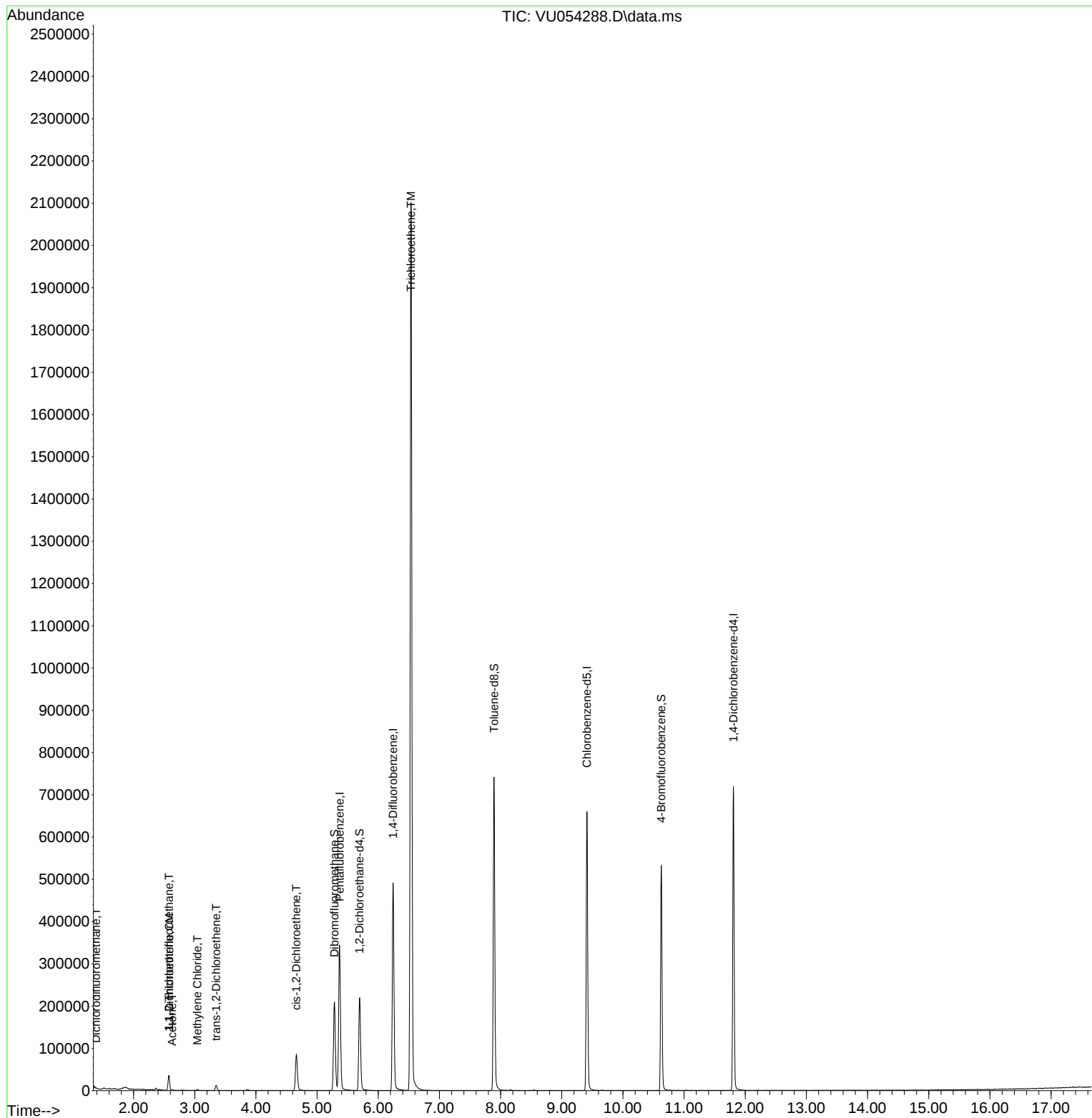
Internal Standards						
1) Pentafluorobenzene	5.369	168	254002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	413408	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	380568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	197607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	167762	50.383	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.760%		
35) Dibromofluoromethane	5.282	113	139084	52.243	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.480%		
50) Toluene-d8	7.893	98	498707	49.248	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.500%		
62) 4-Bromofluorobenzene	10.626	95	179464	45.707	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 91.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	1087	0.383	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.578	101	13637	5.168	ug/l	95
12) 1,1-Dichloroethene	2.581	96	1354	0.496	ug/l #	68
16) Acetone	2.629	43	1360	0.713	ug/l #	87
20) Methylene Chloride	3.041	84	1288	0.374	ug/l #	83
21) trans-1,2-Dichloroethene	3.350	96	5256	1.797	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	47058	14.462	ug/l	94
44) Trichloroethene	6.536	130	734769	220.378	ug/l	92

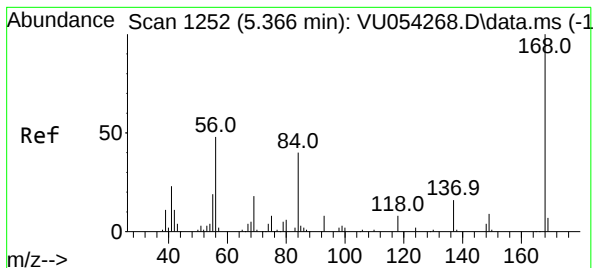
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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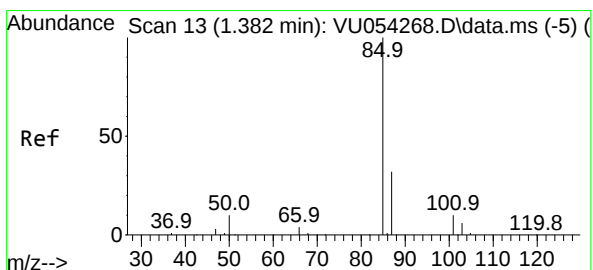
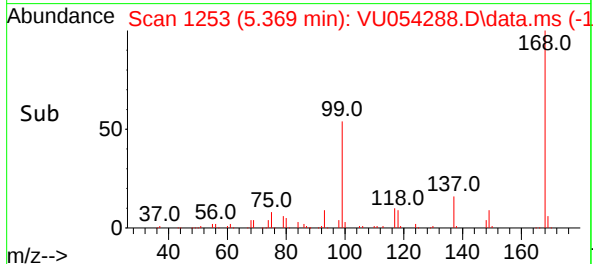
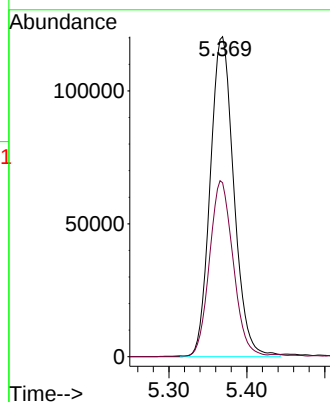
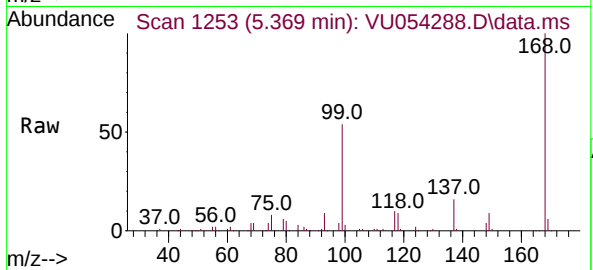




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

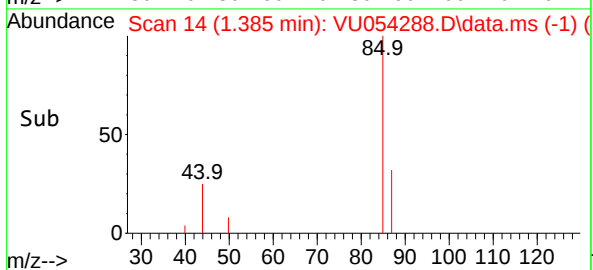
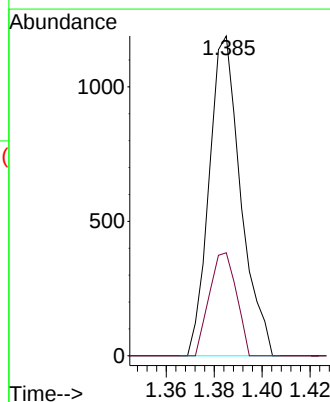
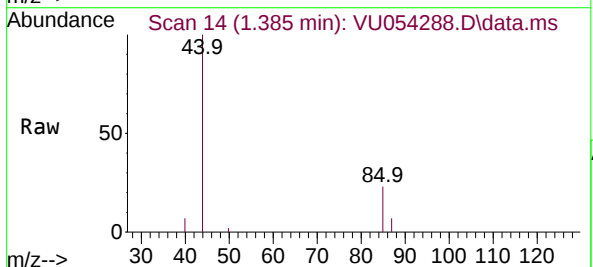
Instrument :
MSVOA_U
ClientSampleId :
8BR-20230524

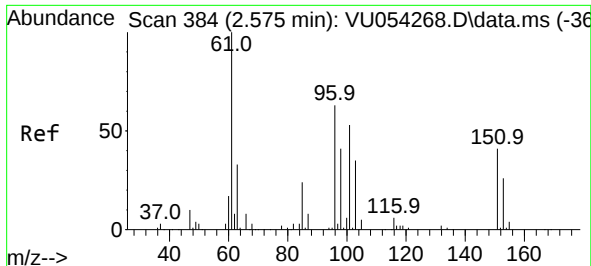
Tgt Ion:168 Resp: 254002
Ion Ratio Lower Upper
168 100
99 54.1 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.383 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

Tgt Ion: 85 Resp: 1087
Ion Ratio Lower Upper
85 100
87 32.2 16.4 49.2

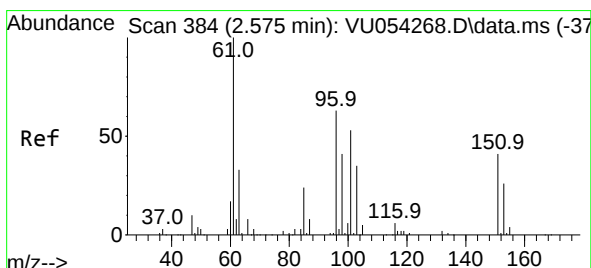
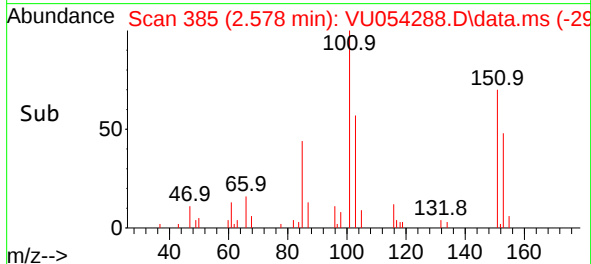
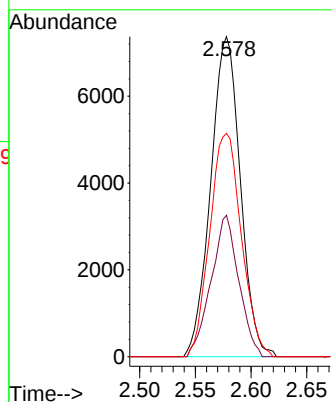
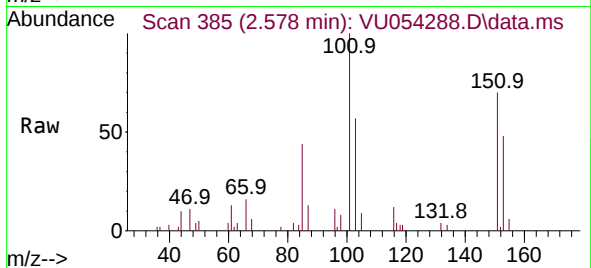




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.168 ug/l
RT: 2.578 min Scan# 384
Delta R.T. 0.003 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

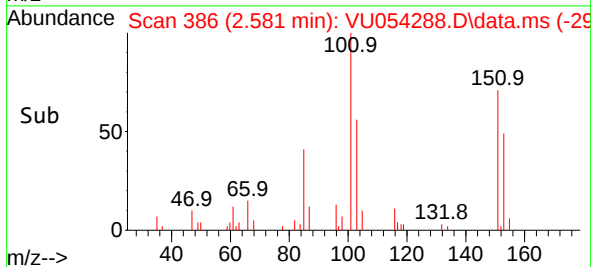
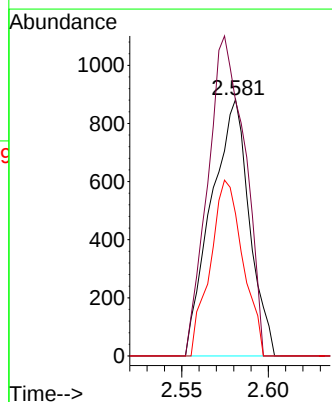
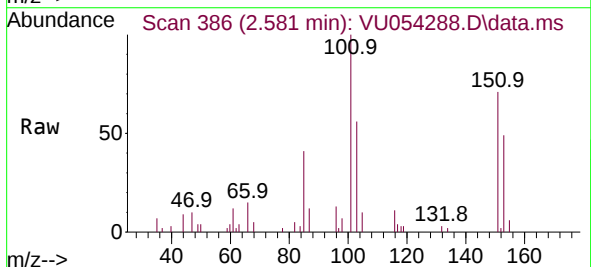
Instrument :
MSVOA_U
ClientSampleId :
8BR-20230524

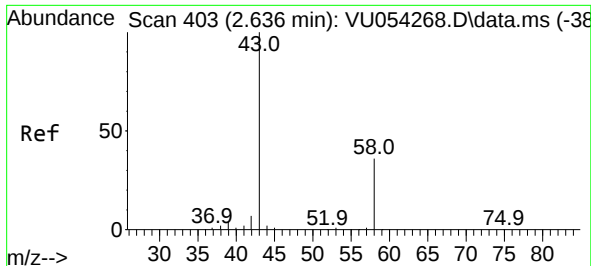
Tgt Ion:101 Resp: 13637
Ion Ratio Lower Upper
101 100
85 41.3 33.9 50.9
151 74.2 64.0 96.0



#12
1,1-Dichloroethene
Concen: 0.496 ug/l
RT: 2.581 min Scan# 386
Delta R.T. 0.006 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

Tgt Ion: 96 Resp: 1354
Ion Ratio Lower Upper
96 100
61 99.4 122.2 183.2#
98 55.4 50.7 76.1





#16

Acetone

Concen: 0.713 ug/l

RT: 2.629 min Scan# 403

Delta R.T. -0.007 min

Lab File: VU054288.D

Acq: 26 May 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

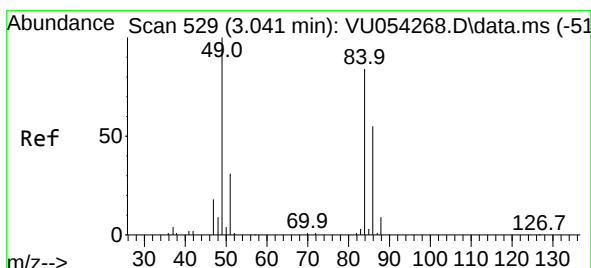
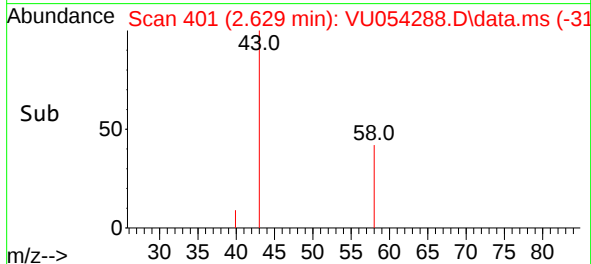
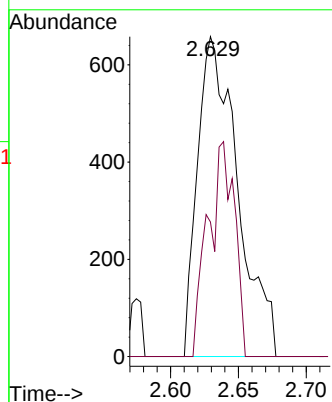
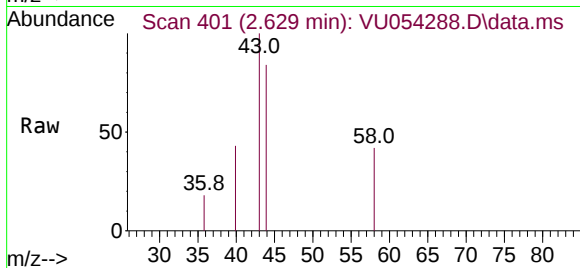
8BR-20230524

Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

58 42.1 27.5 41.3#



#20

Methylene Chloride

Concen: 0.374 ug/l

RT: 3.041 min Scan# 529

Delta R.T. -0.000 min

Lab File: VU054288.D

Acq: 26 May 2023 16:13

Tgt Ion: 84 Resp: 1288

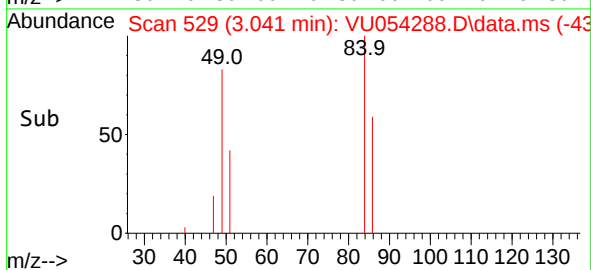
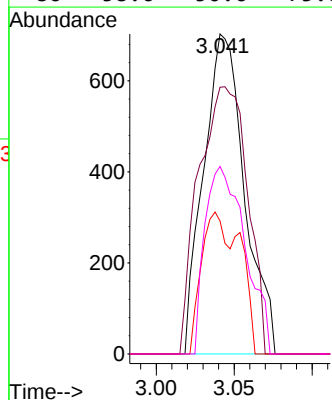
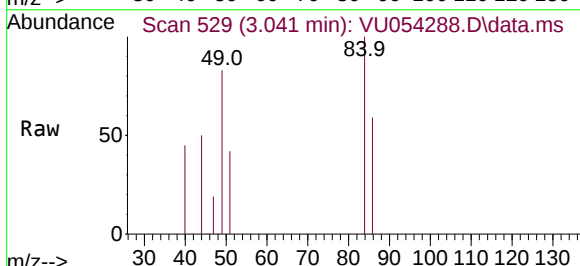
Ion Ratio Lower Upper

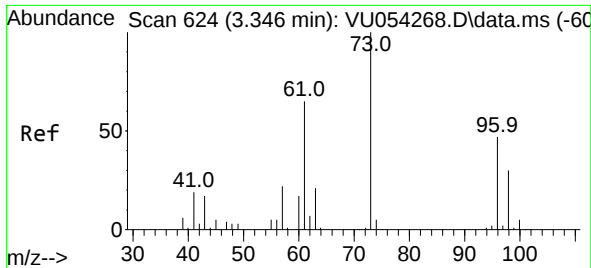
84 100

49 83.4 86.6 129.8#

51 41.5 26.6 40.0#

86 58.6 50.6 75.8

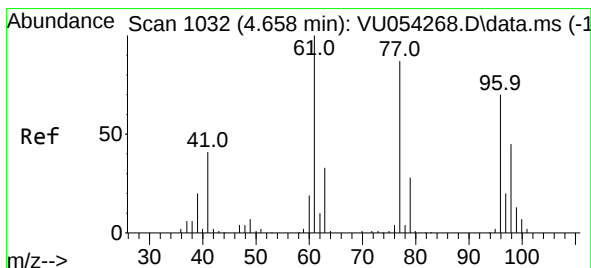
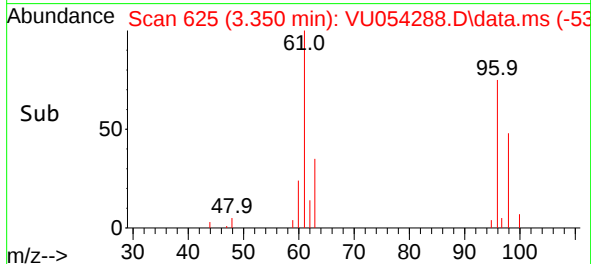
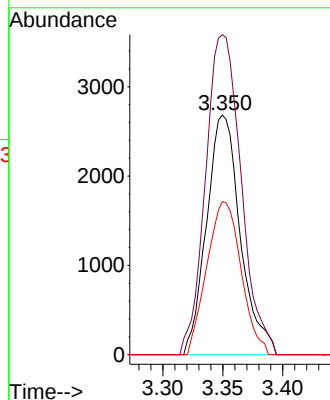
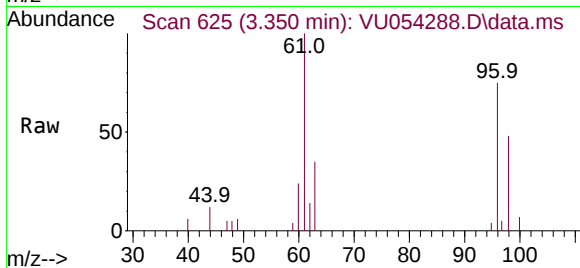




#21
trans-1,2-Dichloroethene
Concen: 1.797 ug/l
RT: 3.350 min Scan# 61
Delta R.T. 0.004 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

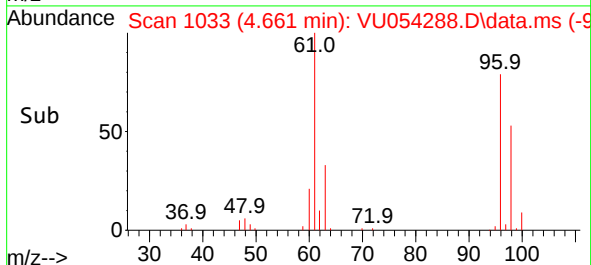
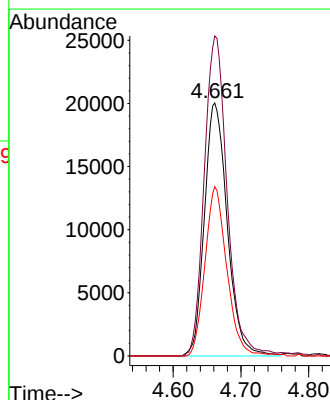
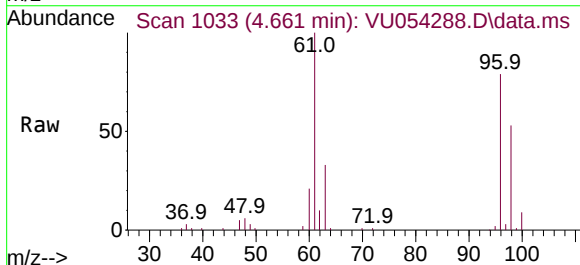
Instrument :
MSVOA_U
ClientSampleId :
8BR-20230524

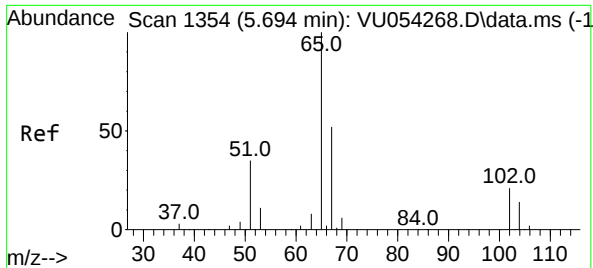
Tgt Ion: 96 Resp: 5256
Ion Ratio Lower Upper
96 100
61 133.5 106.1 159.1
98 63.9 50.8 76.2



#27
cis-1,2-Dichloroethene
Concen: 14.462 ug/l
RT: 4.661 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

Tgt Ion: 96 Resp: 47058
Ion Ratio Lower Upper
96 100
61 126.1 0.0 271.6
98 63.6 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 50.383 ug/l

RT: 5.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU054288.D

Acq: 26 May 2023 16:13

Instrument :

MSVOA_U

ClientSampleId :

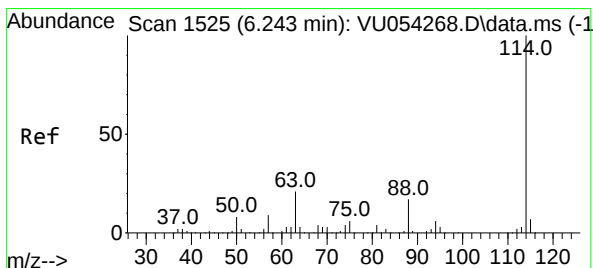
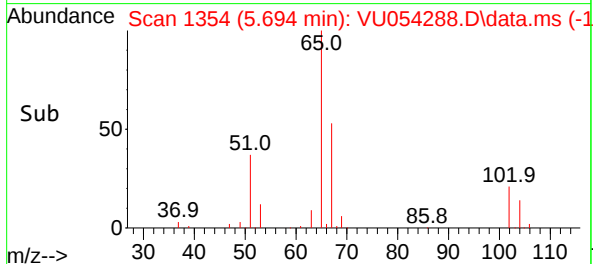
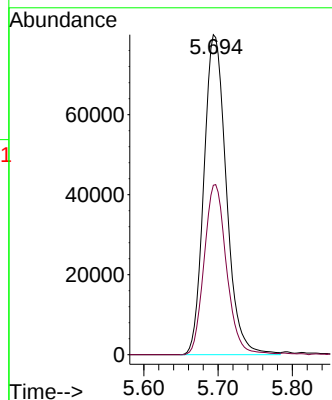
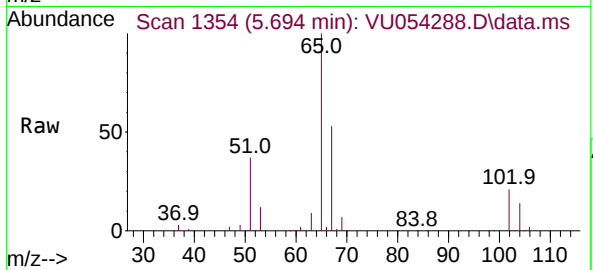
8BR-20230524

Tgt Ion: 65 Resp: 167762

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: VU054288.D

Acq: 26 May 2023 16:13

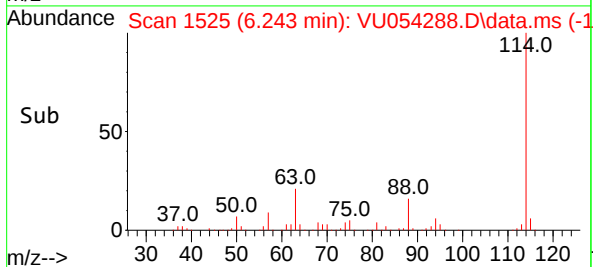
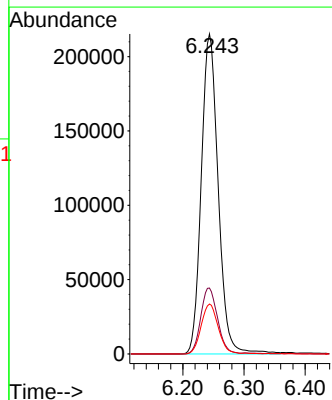
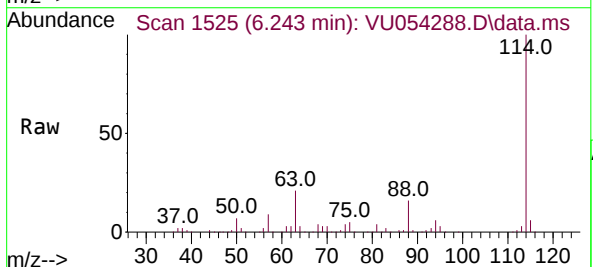
Tgt Ion: 114 Resp: 413408

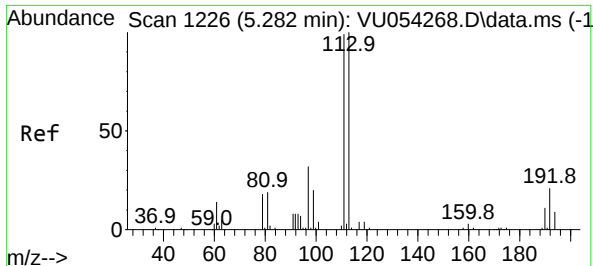
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.8

88 15.6 0.0 29.2

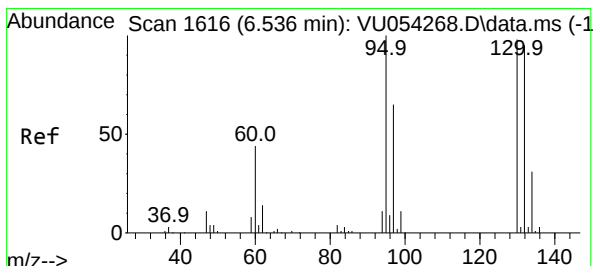
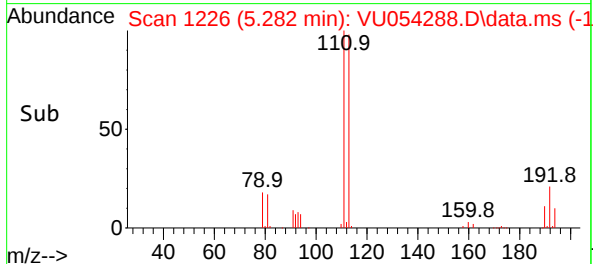
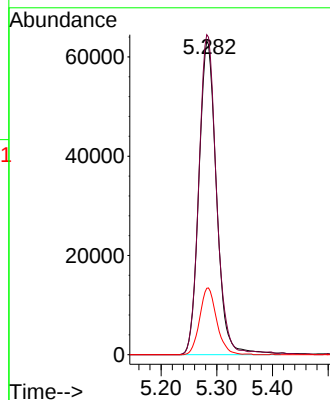
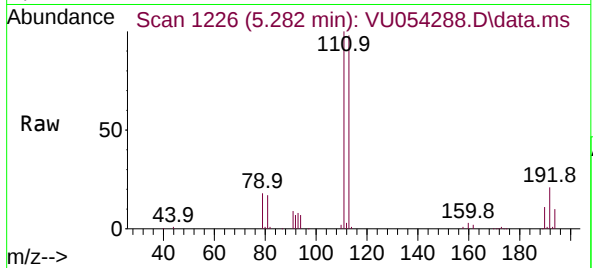




#35
Dibromofluoromethane
Concen: 52.243 ug/l
RT: 5.282 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

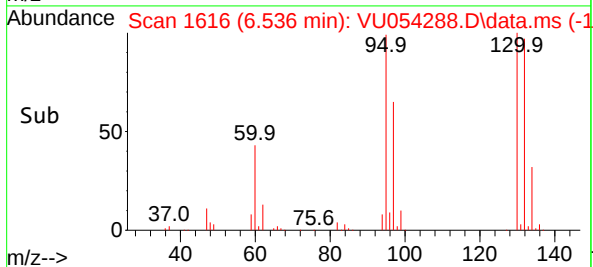
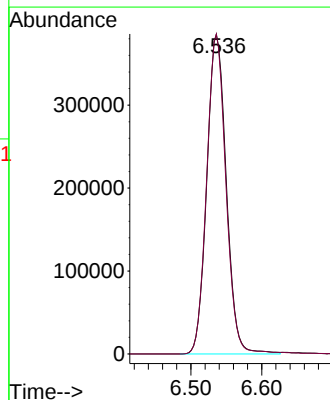
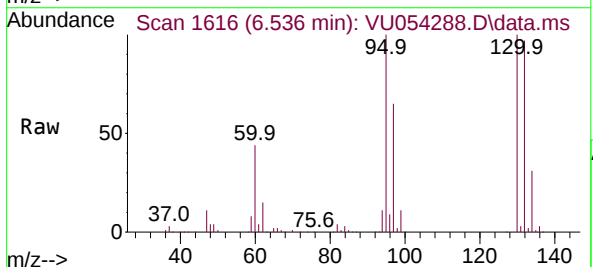
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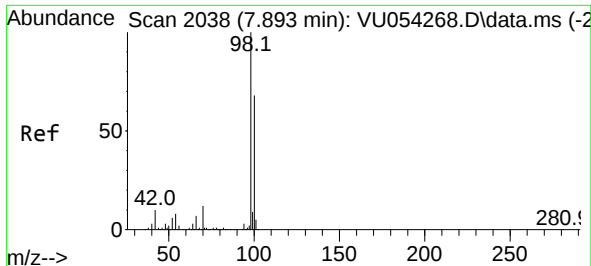
Tgt Ion:113 Resp: 139084
Ion Ratio Lower Upper
113 100
111 100.9 82.1 123.1
192 20.5 18.0 27.0



#44
Trichloroethene
Concen: 220.378 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

Tgt Ion:130 Resp: 734769
Ion Ratio Lower Upper
130 100
95 100.1 0.0 184.6

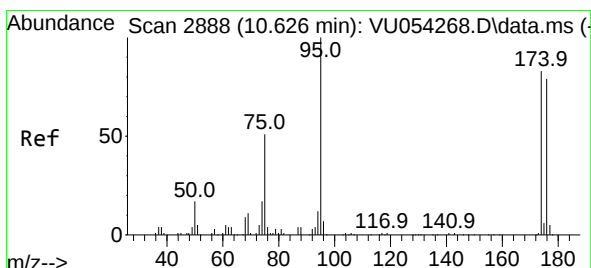
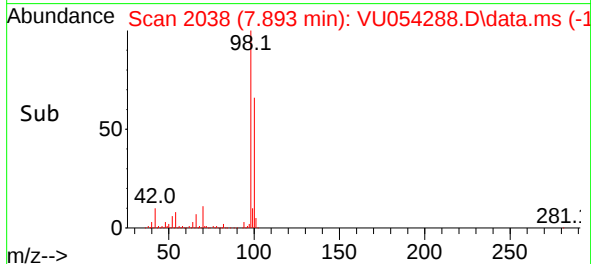
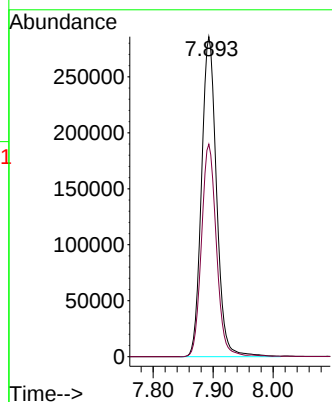
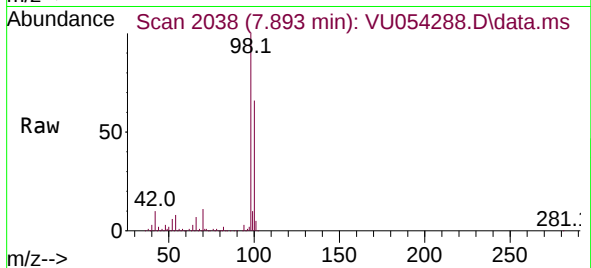




#50
Toluene-d8
Concen: 49.248 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

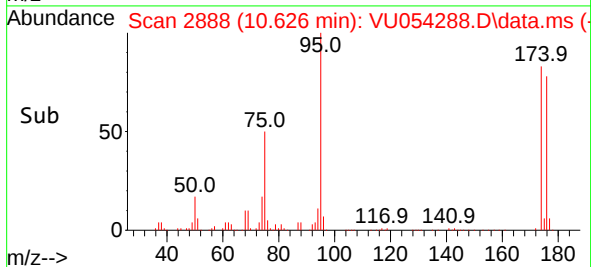
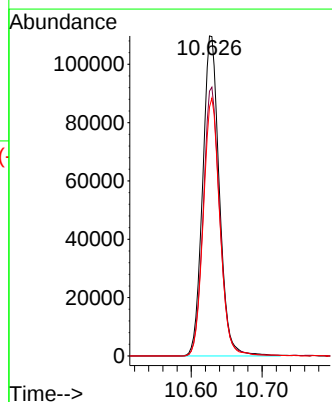
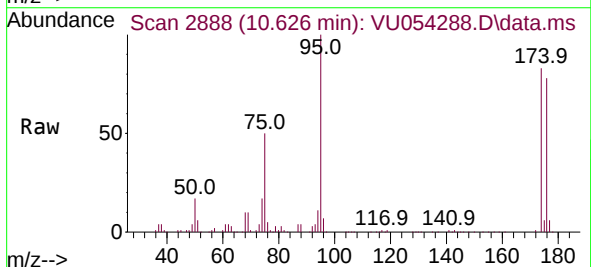
Instrument :
MSVOA_U
ClientSampleId :
8BR-20230524

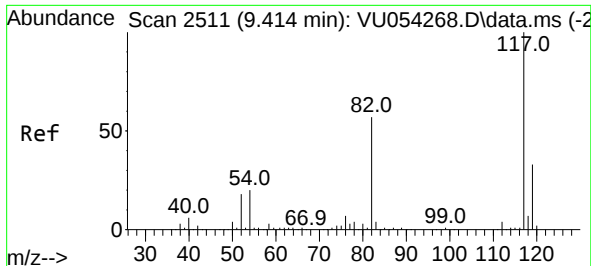
Tgt Ion: 98 Resp: 498707
Ion Ratio Lower Upper
98 100
100 65.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.707 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

Tgt Ion: 95 Resp: 179464
Ion Ratio Lower Upper
95 100
174 83.2 0.0 182.0
176 79.8 0.0 177.8

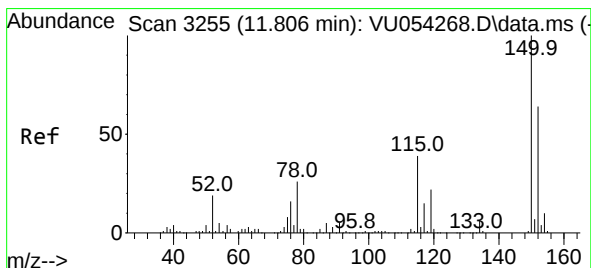
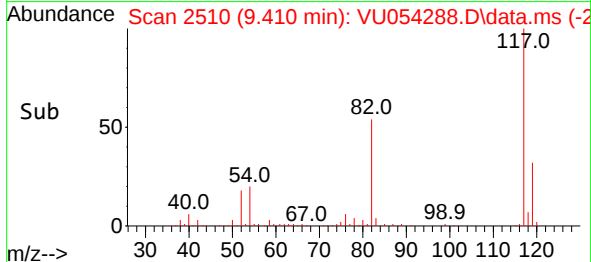
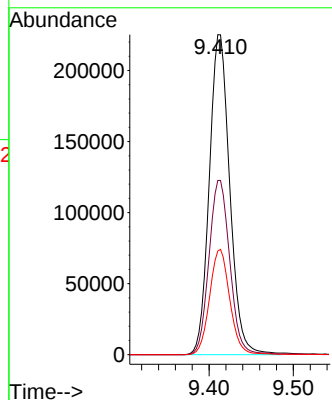
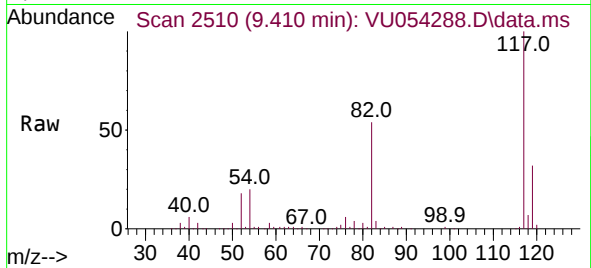




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

Instrument :
MSVOA_U
ClientSampleId :
8BR-20230524

Tgt Ion:117 Resp: 380568
Ion Ratio Lower Upper
117 100
82 54.5 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# 3255
Delta R.T. -0.000 min
Lab File: VU054288.D
Acq: 26 May 2023 16:13

Tgt Ion:152 Resp: 197607
Ion Ratio Lower Upper
152 100
115 56.4 37.0 110.9
150 157.0 0.0 342.2

