

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053123\
 Data File : VU054336.D
 Acq On : 31 May 2023 14:38
 Operator : JC/MD
 Sample : 02936-16DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 40BR-20230524DL

Quant Time: Jun 01 05:20:58 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)

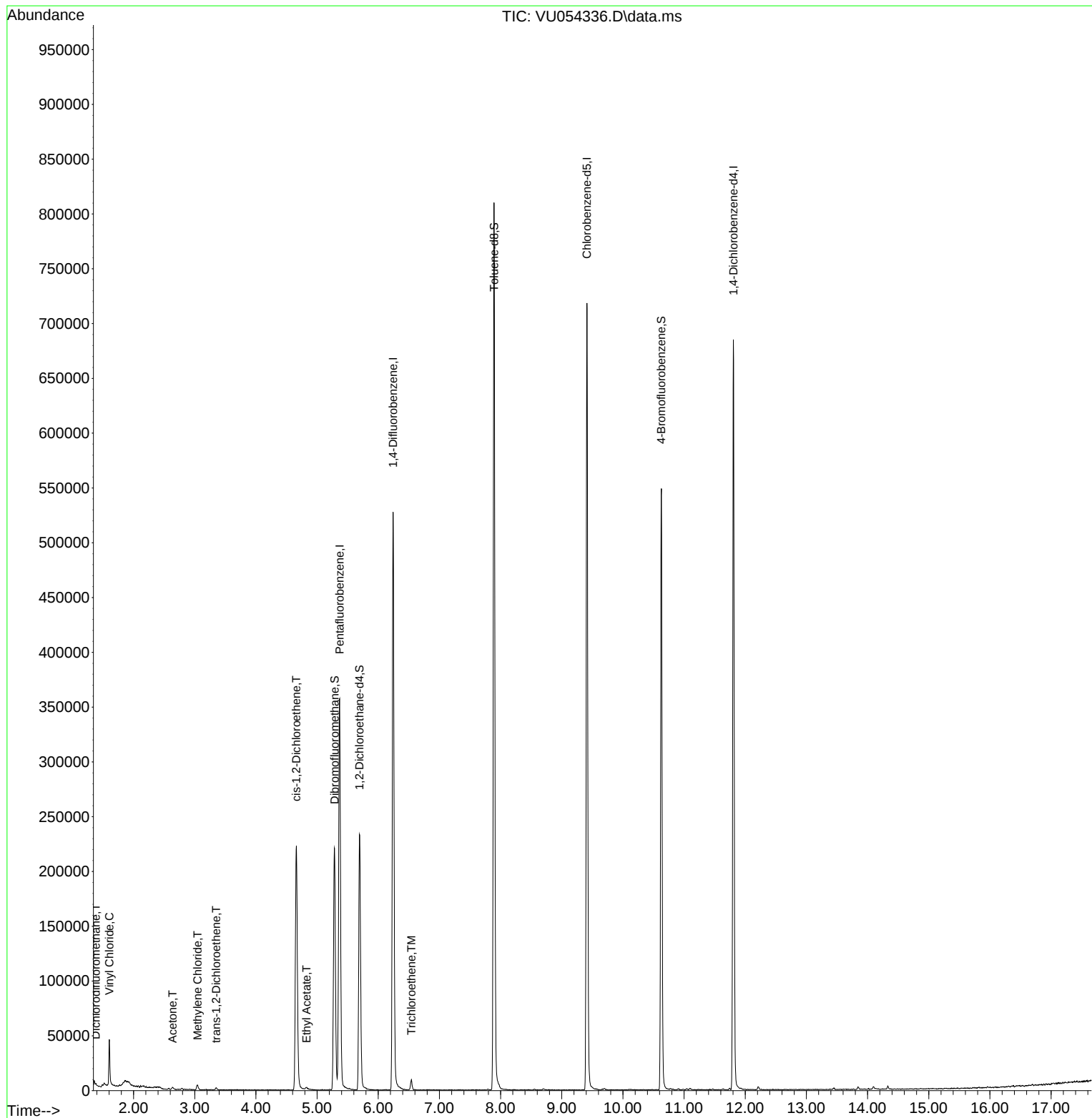
Internal Standards						
1) Pentafluorobenzene	5.369	168	261497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	443761	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	411490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	189252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.693	65	177709	51.841	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.680%	
35) Dibromofluoromethane	5.285	113	146612	51.304	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.600%	
50) Toluene-d8	7.893	98	546090	50.239	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.480%	
62) 4-Bromofluorobenzene	10.629	95	183525	43.544	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	1213	0.416	ug/l	90
4) Vinyl Chloride	1.604	62	30765	8.436	ug/l	99
16) Acetone	2.639	43	2679	1.363	ug/l	94
20) Methylene Chloride	3.044	84	2405	0.678	ug/l	92
21) trans-1,2-Dichloroethene	3.349	96	865	0.287	ug/l	85
27) cis-1,2-Dichloroethene	4.661	96	124580	37.188	ug/l	93
37) Ethyl Acetate	4.829	43	3044	0.556	ug/l #	80
44) Trichloroethene	6.542	130	3365	0.940	ug/l	88

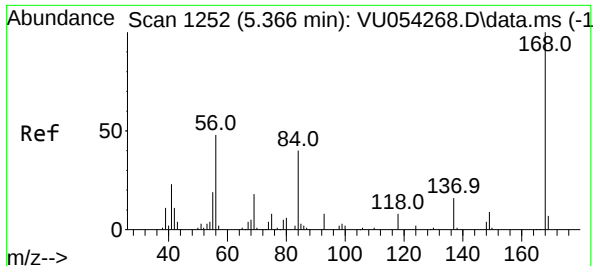
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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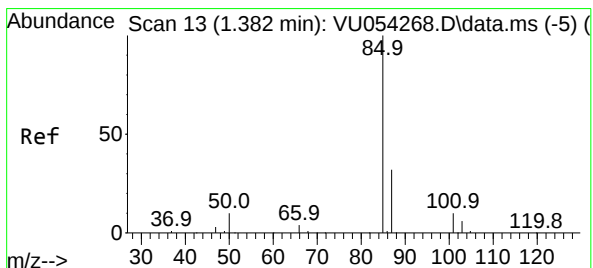
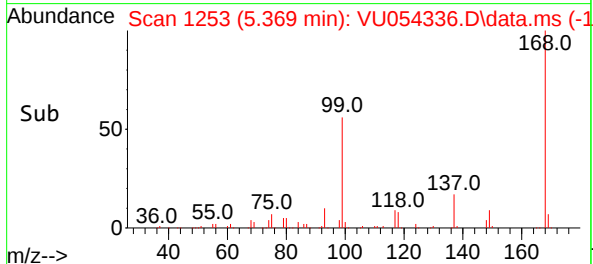
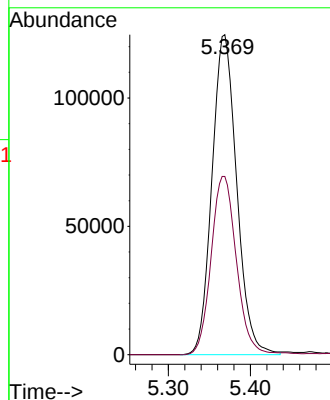
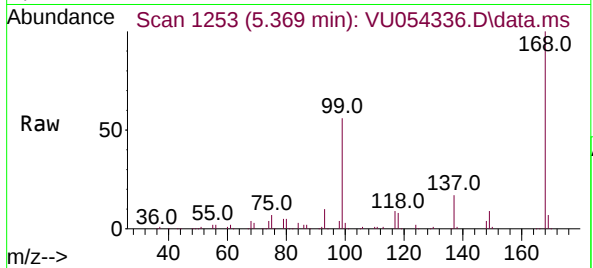




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

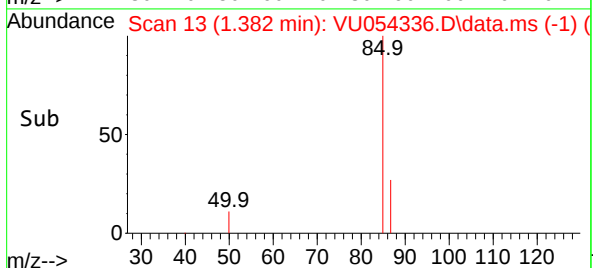
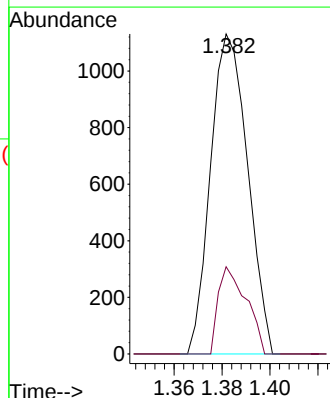
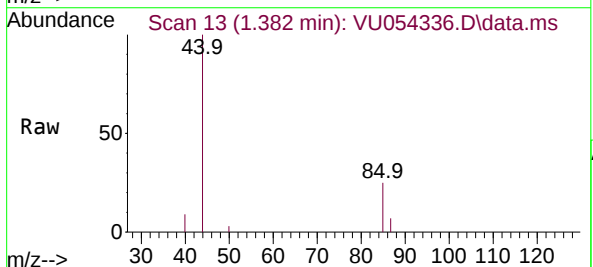
Instrument :
MSVOA_U
ClientSampleId :
40BR-20230524DL

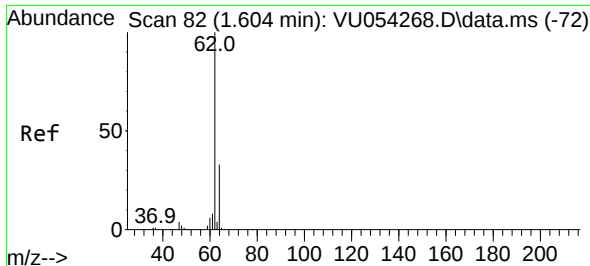
Tgt Ion:168 Resp: 261497
Ion Ratio Lower Upper
168 100
99 55.7 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 0.416 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

Tgt Ion: 85 Resp: 1213
Ion Ratio Lower Upper
85 100
87 27.2 16.4 49.2

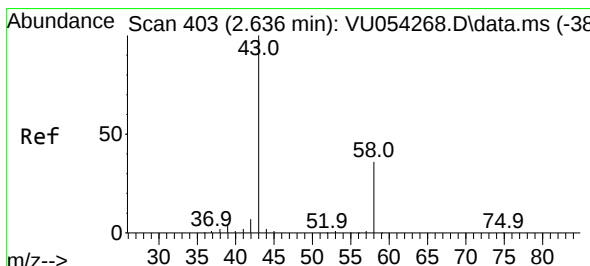
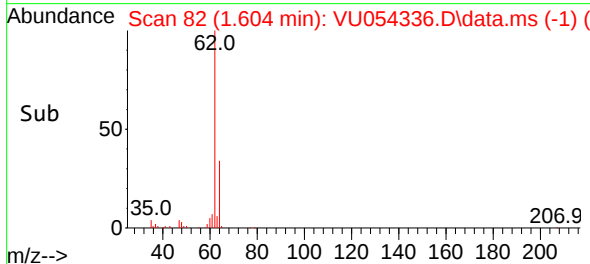
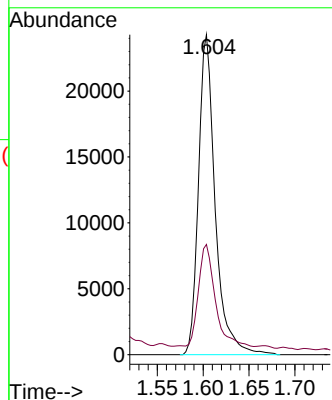
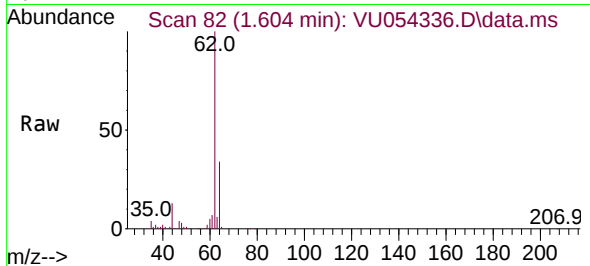




#4
 Vinyl Chloride
 Concen: 8.436 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054336.D
 Acq: 31 May 2023 14:38

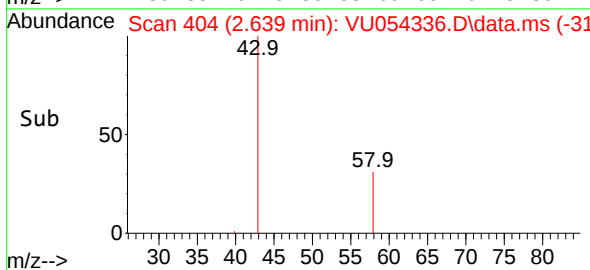
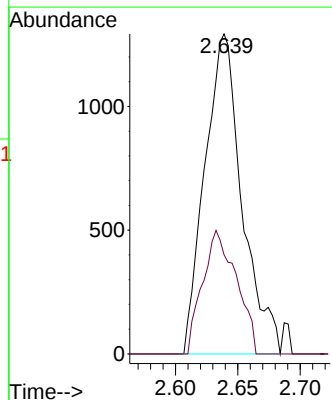
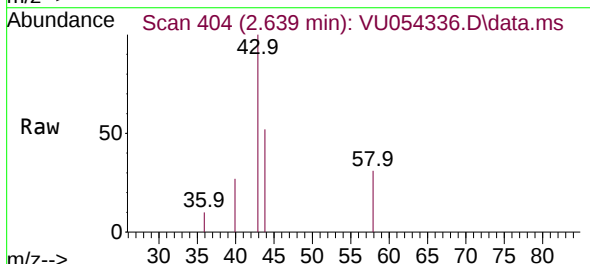
Instrument :
 MSVOA_U
 ClientSampleId :
 40BR-20230524DL

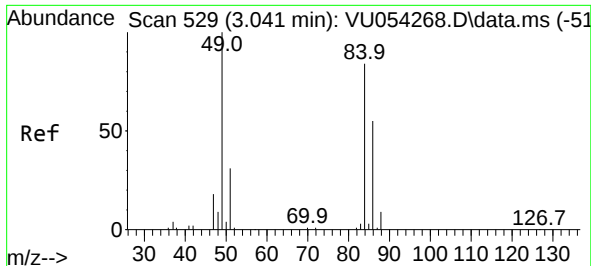
Tgt Ion: 62 Resp: 30765
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.3 37.9



#16
 Acetone
 Concen: 1.363 ug/l
 RT: 2.639 min Scan# 404
 Delta R.T. 0.003 min
 Lab File: VU054336.D
 Acq: 31 May 2023 14:38

Tgt Ion: 43 Resp: 2679
 Ion Ratio Lower Upper
 43 100
 58 31.0 27.5 41.3



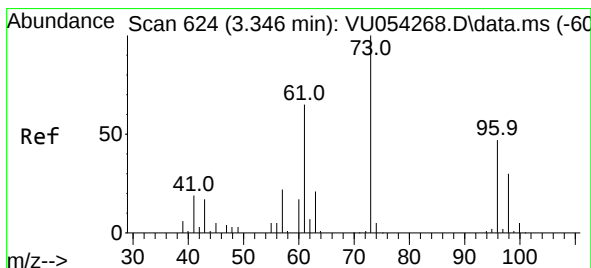
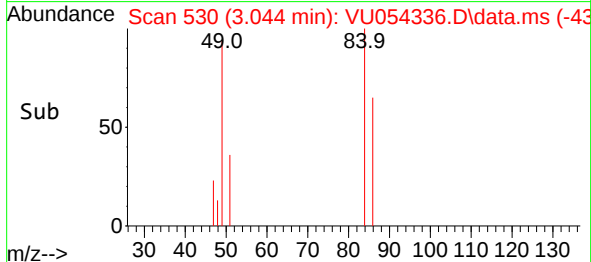
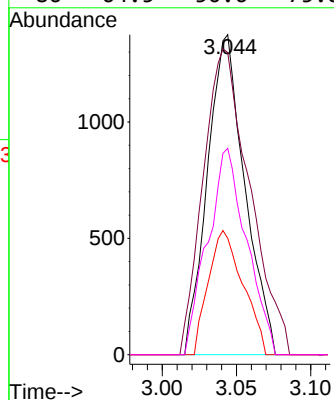
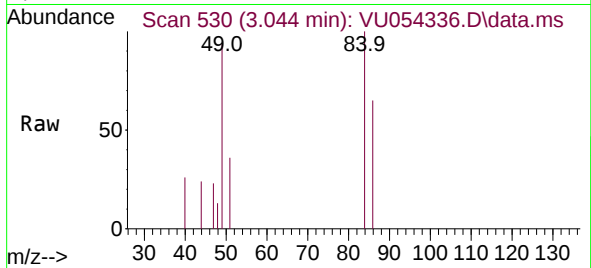


#20
Methylene Chloride
Concen: 0.678 ug/l
RT: 3.044 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

Instrument :
MSVOA_U
ClientSampleId :
40BR-20230524DL

Tgt Ion: 84 Resp: 2405

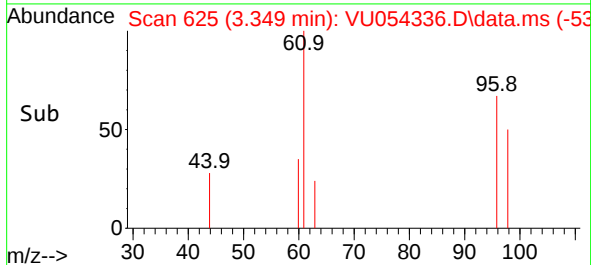
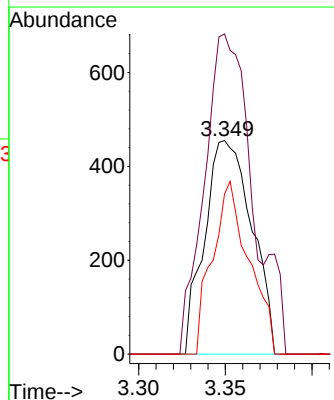
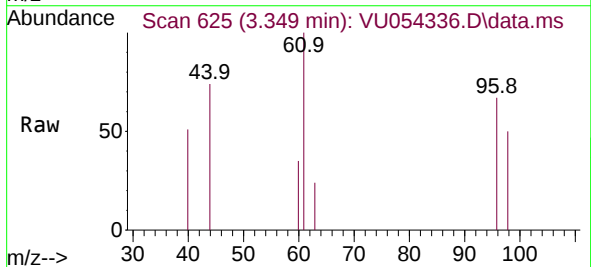
Ion	Ratio	Lower	Upper
84	100		
49	94.5	86.6	129.8
51	36.4	26.6	40.0
86	64.5	50.6	75.8

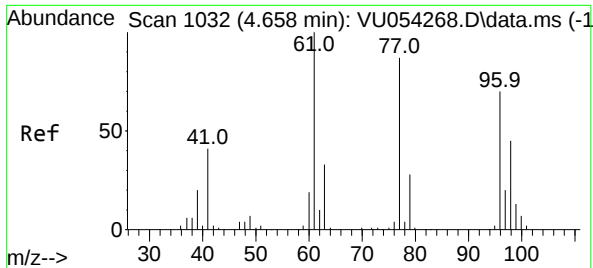


#21
trans-1,2-Dichloroethene
Concen: 0.287 ug/l
RT: 3.349 min Scan# 625
Delta R.T. 0.003 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

Tgt Ion: 96 Resp: 865

Ion	Ratio	Lower	Upper
96	100		
61	149.9	106.1	159.1
98	74.9	50.8	76.2





#27

cis-1,2-Dichloroethene

Concen: 37.188 ug/l

RT: 4.661 min Scan# 1032

Delta R.T. 0.003 min

Lab File: VU054336.D

Acq: 31 May 2023 14:38

Instrument :

MSVOA_U

ClientSampleId :

40BR-20230524DL

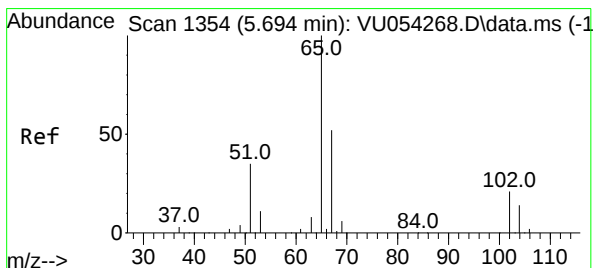
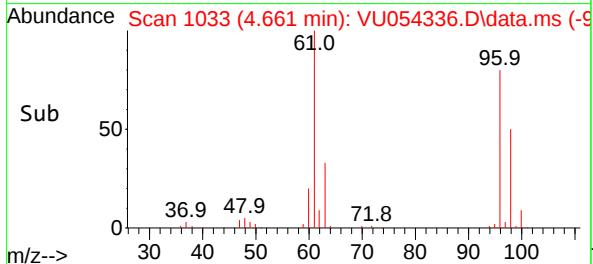
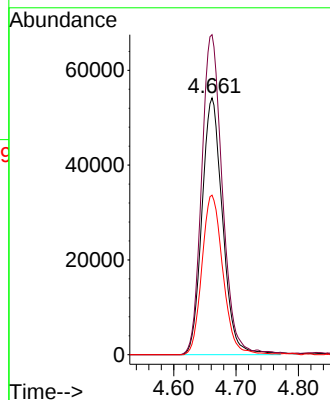
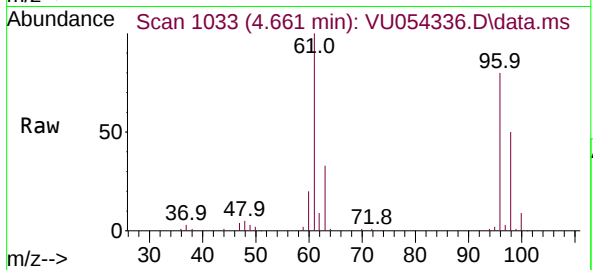
Tgt Ion: 96 Resp: 124580

Ion Ratio Lower Upper

96 100

61 124.2 0.0 271.6

98 63.1 0.0 128.2



#33

1,2-Dichloroethane-d4

Concen: 51.841 ug/l

RT: 5.693 min Scan# 1354

Delta R.T. -0.001 min

Lab File: VU054336.D

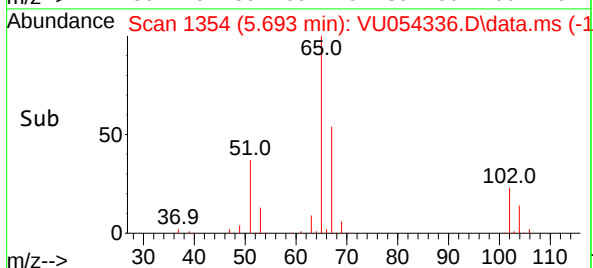
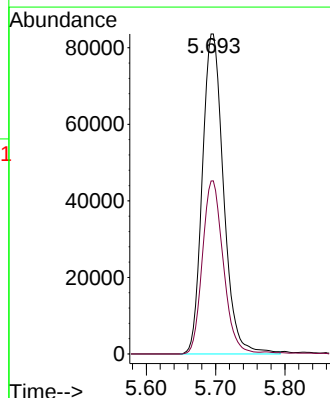
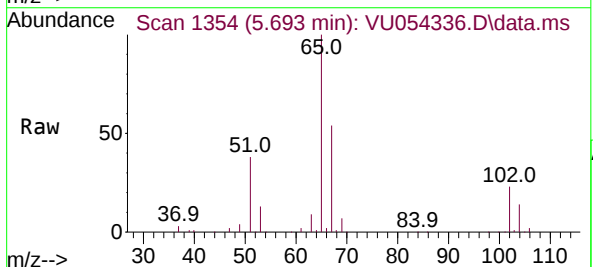
Acq: 31 May 2023 14:38

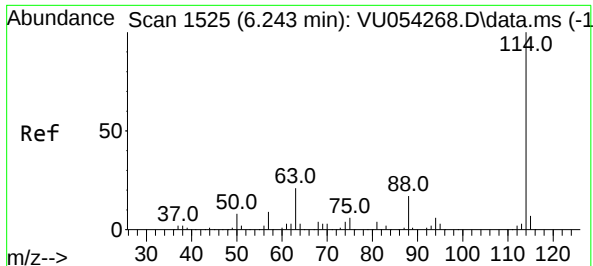
Tgt Ion: 65 Resp: 177709

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054336.D

Acq: 31 May 2023 14:38

Instrument :

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ClientSampleId :

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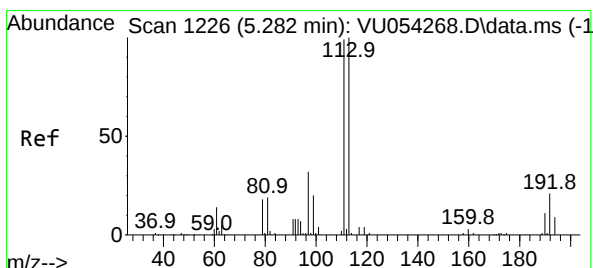
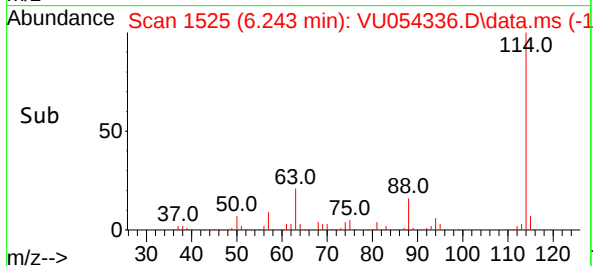
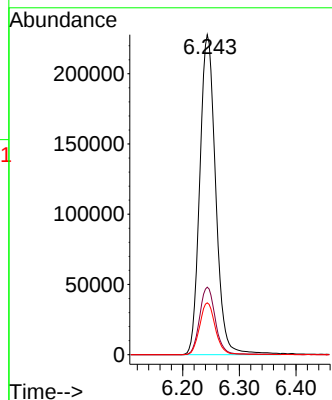
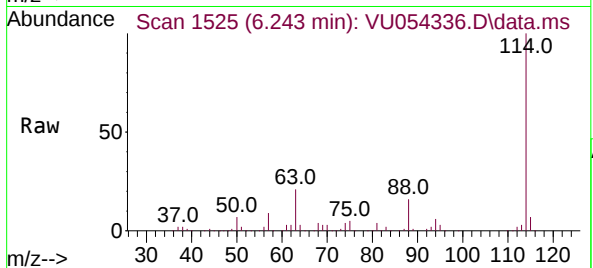
Tgt Ion:114 Resp: 443761

Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.8

88 16.2 0.0 29.2



#35

Dibromofluoromethane

Concen: 51.304 ug/l

RT: 5.285 min Scan# 1227

Delta R.T. 0.003 min

Lab File: VU054336.D

Acq: 31 May 2023 14:38

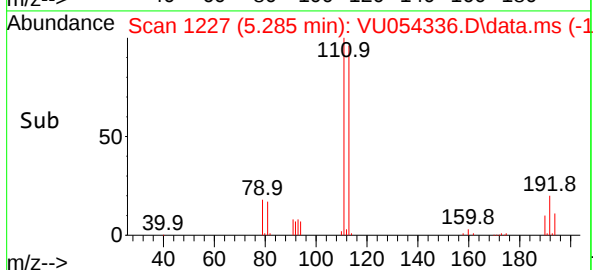
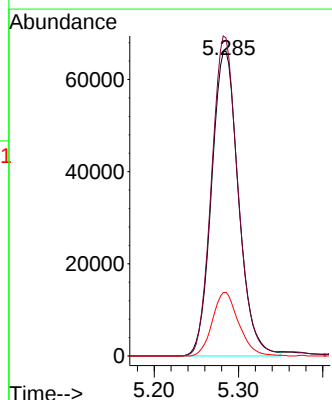
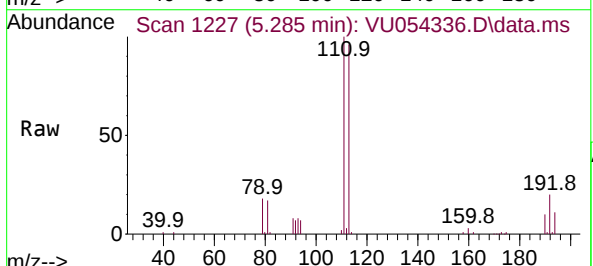
Tgt Ion:113 Resp: 146612

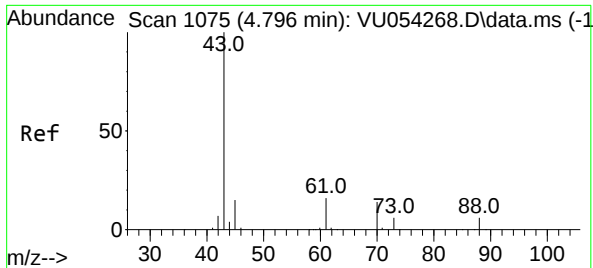
Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

192 20.4 18.0 27.0

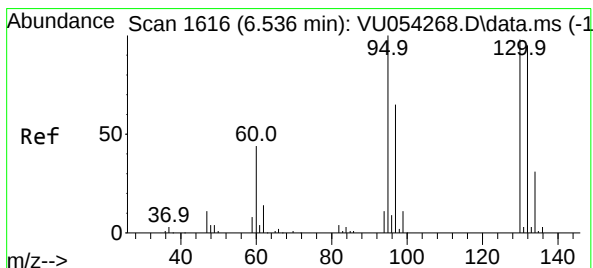
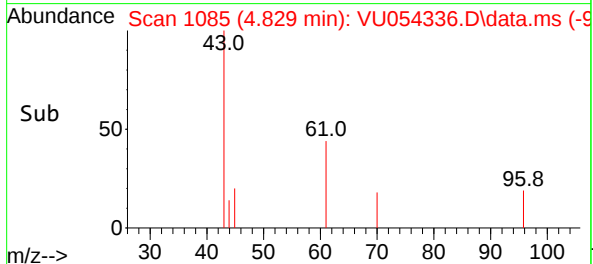
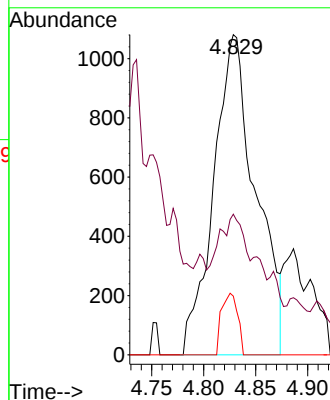
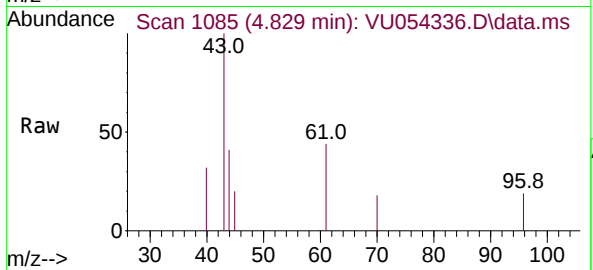




#37
Ethyl Acetate
Concen: 0.556 ug/l
RT: 4.829 min Scan# 1075
Delta R.T. 0.033 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

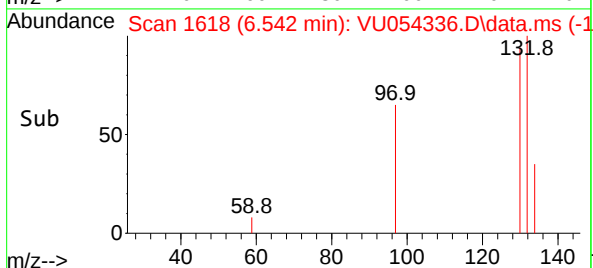
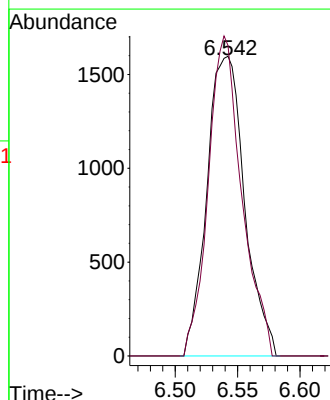
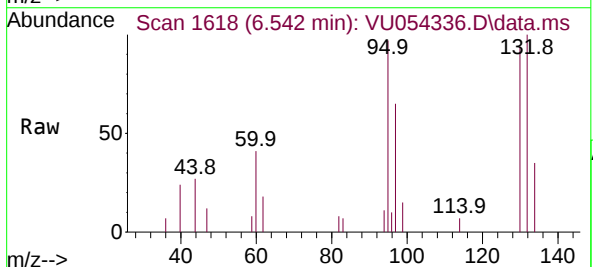
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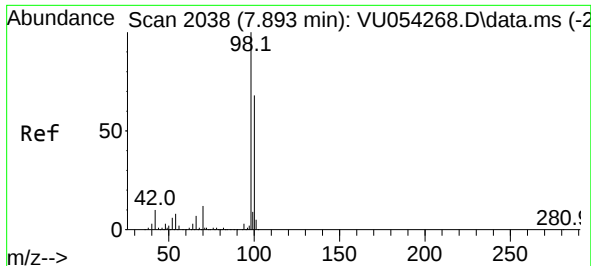
Tgt Ion: 43 Resp: 3044
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 7.4 7.5 11.3#



#44
Trichloroethene
Concen: 0.940 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

Tgt Ion:130 Resp: 3365
Ion Ratio Lower Upper
130 100
95 103.6 0.0 184.6

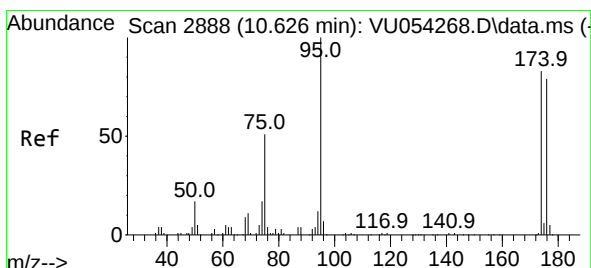
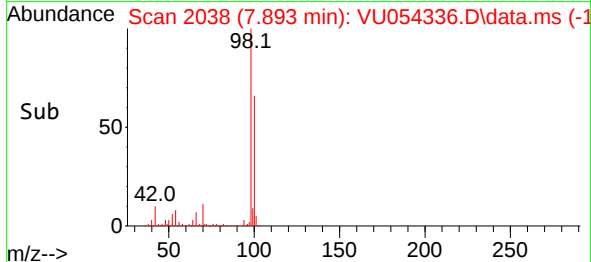
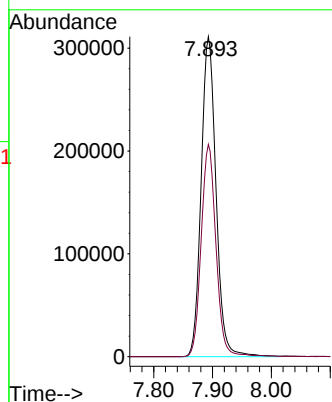
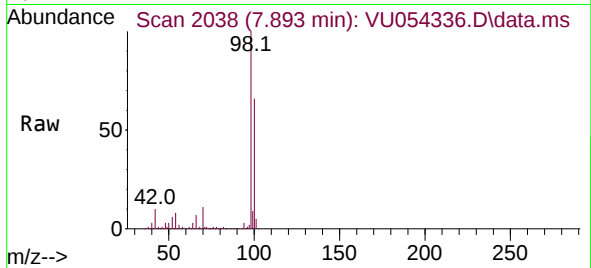




#50
Toluene-d8
Concen: 50.239 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

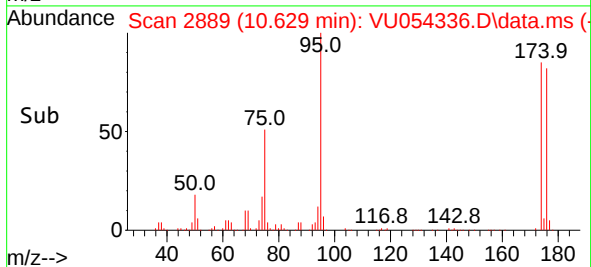
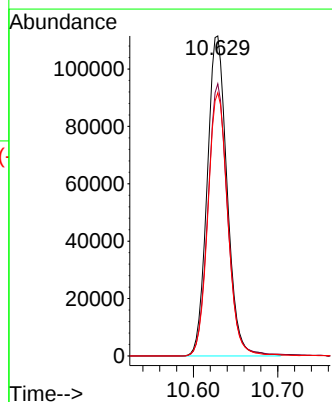
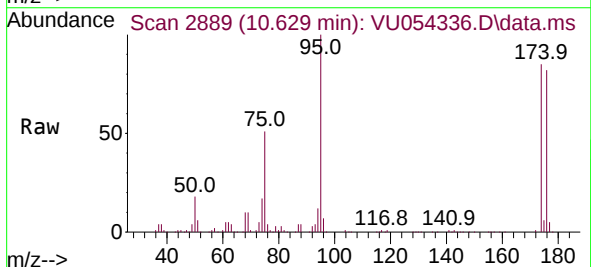
Instrument :
MSVOA_U
ClientSampleId :
40BR-20230524DL

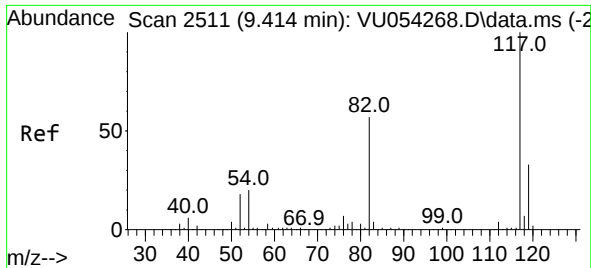
Tgt Ion: 98 Resp: 546090
Ion Ratio Lower Upper
98 100
100 65.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 43.544 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.003 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

Tgt Ion: 95 Resp: 183525
Ion Ratio Lower Upper
95 100
174 84.1 0.0 182.0
176 81.8 0.0 177.8

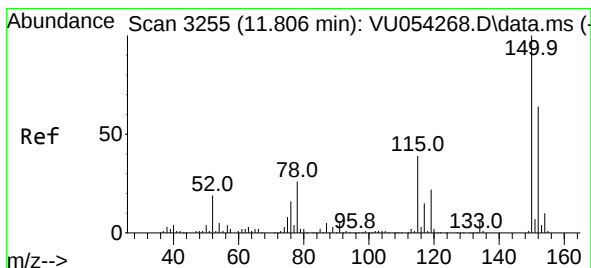
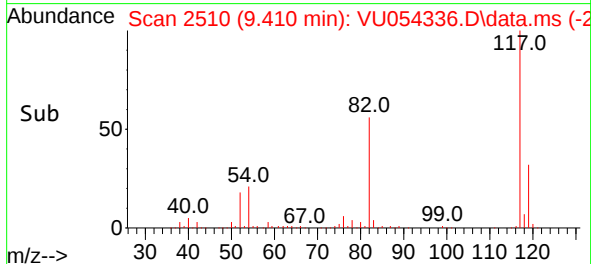
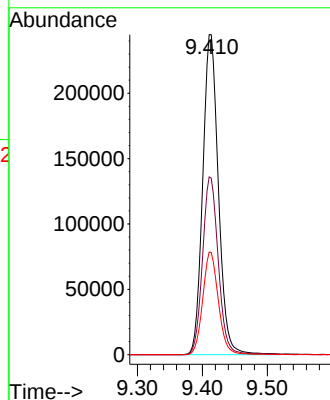
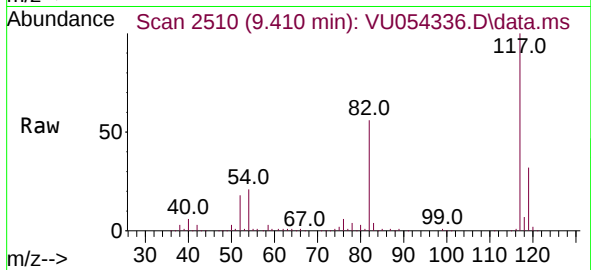




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2511
Delta R.T. -0.004 min
Lab File: VU054336.D
Acq: 31 May 2023 14:38

Instrument :
MSVOA_U
ClientSampleId :
40BR-20230524DL

Tgt Ion:117 Resp: 411490
Ion Ratio Lower Upper
117 100
82 55.6 41.7 62.5
119 32.0 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: VU054336.D
Acq: 31 May 2023 14:38

Tgt Ion:152 Resp: 189252
Ion Ratio Lower Upper
152 100
115 58.8 37.0 110.9
150 156.5 0.0 342.2

