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 Data File : VU054293.D
 Acq On : 26 May 2023 18:12
 Operator : JC/MD
 Sample : 02936-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 60BR-20230524

Quant Time: May 30 00:04:52 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

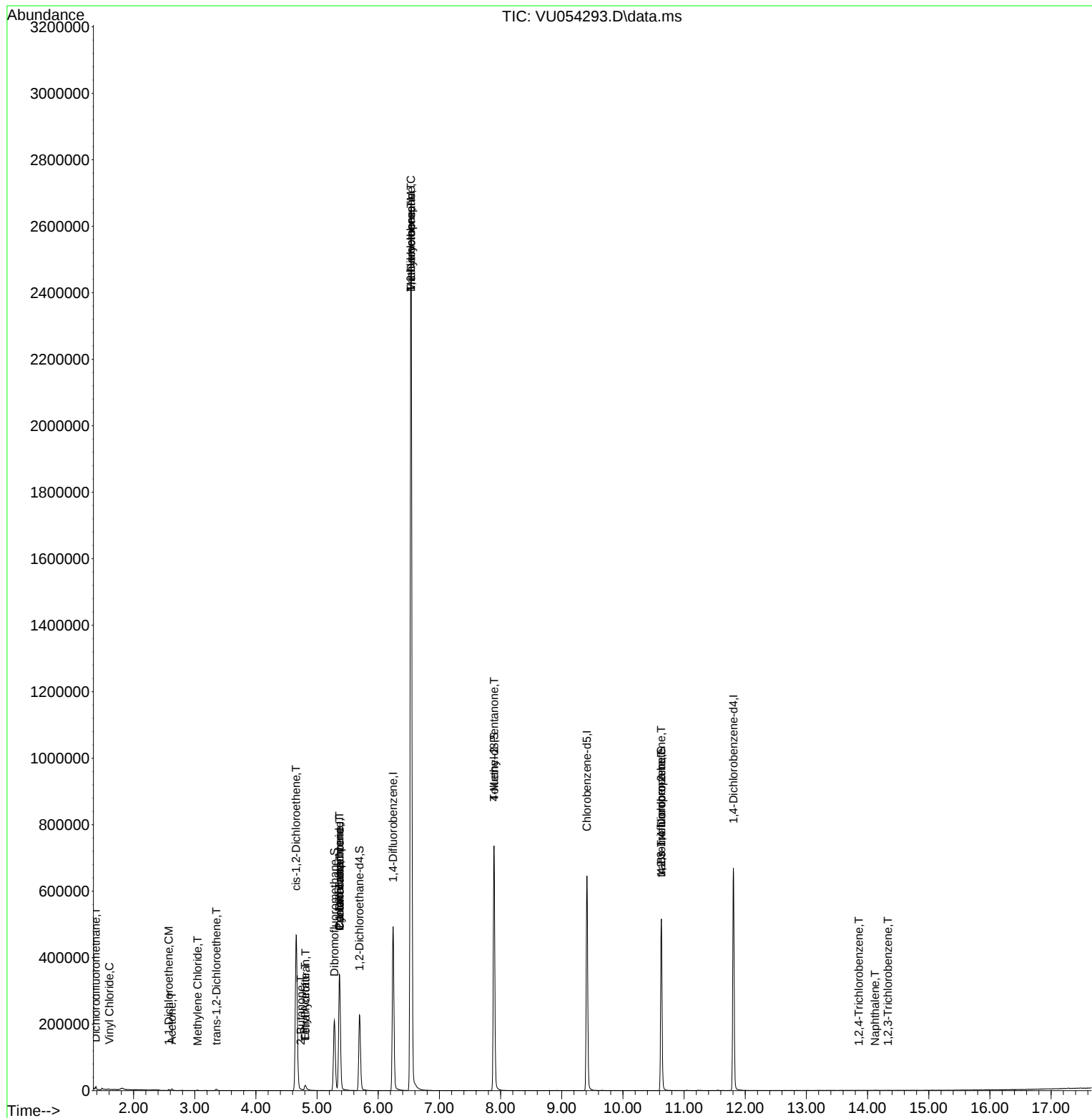
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.369	168	257210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	407219	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	377150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	188781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	172290	51.098	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.200%	
35) Dibromofluoromethane	5.282	113	137780	52.540	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.080%	
50) Toluene-d8	7.893	98	504516	50.579	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.160%	
62) 4-Bromofluorobenzene	10.629	95	174278	45.060	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.120%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	4975	1.733	ug/l	94
4) Vinyl Chloride	1.604	62	807	0.225	ug/l #	67
12) 1,1-Dichloroethene	2.575	96	868	0.314	ug/l	80
16) Acetone	2.626	43	5551	2.872	ug/l #	87
20) Methylene Chloride	3.044	84	809	0.232	ug/l #	85
21) trans-1,2-Dichloroethene	3.353	96	1955	0.660	ug/l #	81
25) 2-Butanone	4.735	43	727	0.284	ug/l #	45
27) cis-1,2-Dichloroethene	4.658	96	255257	77.467	ug/l	94
29) Tetrahydrofuran	4.813	42	1434	0.892	ug/l #	28
31) Cyclohexane	5.369	56	5087	1.068	ug/l #	3
36) 1,1-Dichloropropene	5.366	75	19242	4.672	ug/l #	49
37) Ethyl Acetate	4.806	43	18465	3.678	ug/l #	82
38) Carbon Tetrachloride	5.366	117	24947	5.917	ug/l #	16
39) Methylcyclohexane	6.536	83	11309	2.424	ug/l #	1
44) Trichloroethene	6.536	130	925446	281.786	ug/l	92
45) 1,2-Dichloropropane	6.533	63	2686	0.876	ug/l #	1
51) 4-Methyl-2-Pentanone	7.893	43	1853	0.401	ug/l #	1
76) 1,2,3-Trichloropropane	10.626	75	86837	15.761	ug/l #	45
81) trans-1,4-Dichloro-2-b...	10.626	75	86837	60.016	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.857	180	68	1.658	ug/l #	1
95) Naphthalene	14.121	128	356	2.016	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.333	180	209	1.302	ug/l #	27

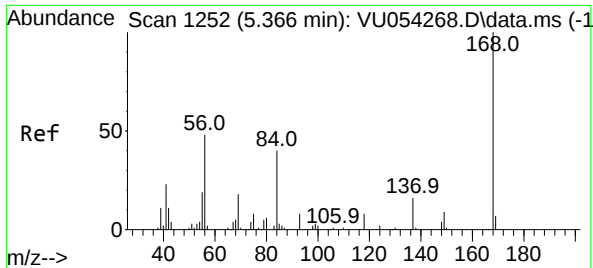
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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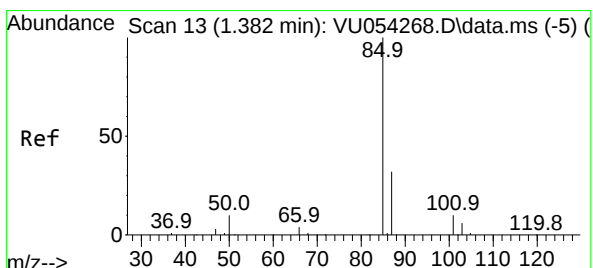
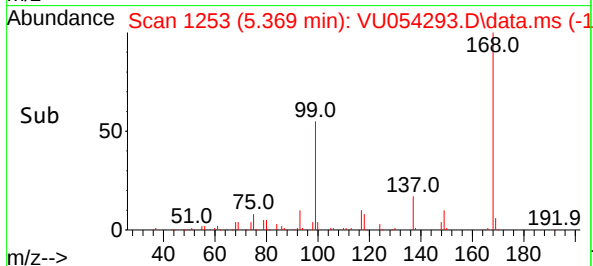
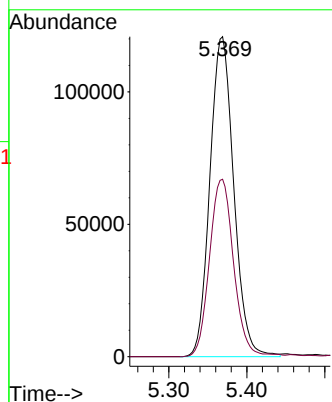
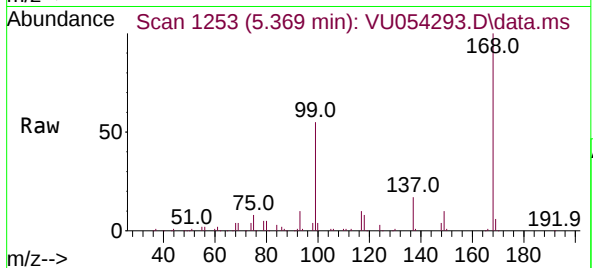




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

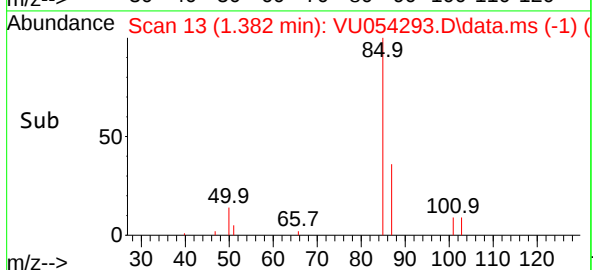
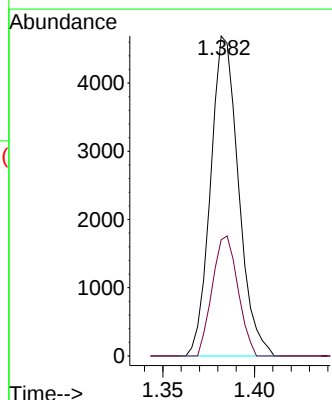
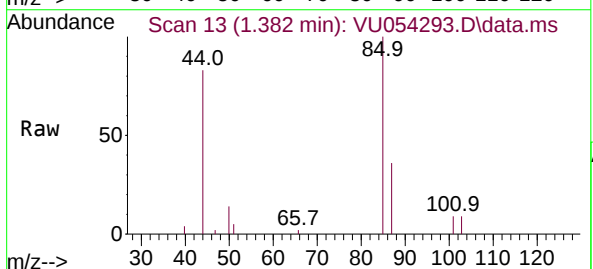
Instrument :
MSVOA_U
ClientSampleId :
60BR-20230524

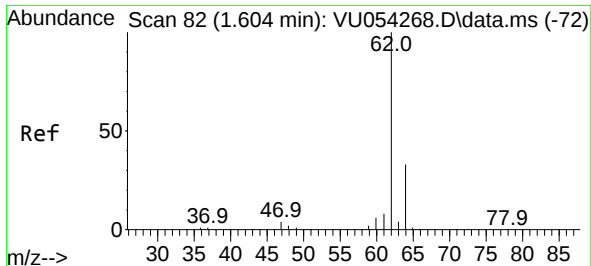
Tgt Ion:168 Resp: 257210
Ion Ratio Lower Upper
168 100
99 55.4 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 1.733 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion: 85 Resp: 4975
Ion Ratio Lower Upper
85 100
87 36.3 16.4 49.2

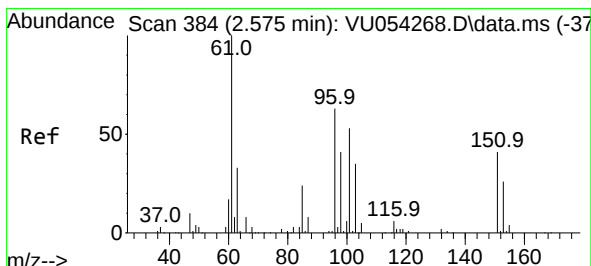
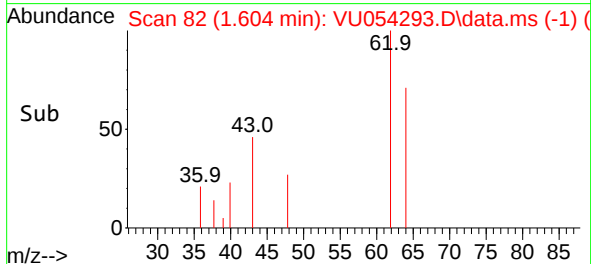
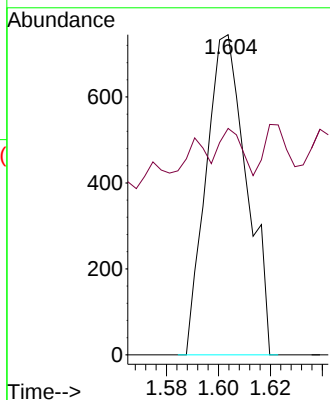
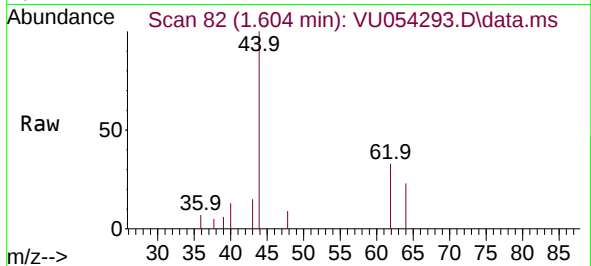




#4
 Vinyl Chloride
 Concen: 0.225 ug/l
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU054293.D
 Acq: 26 May 2023 18:12

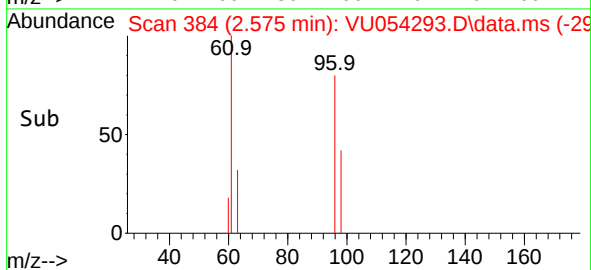
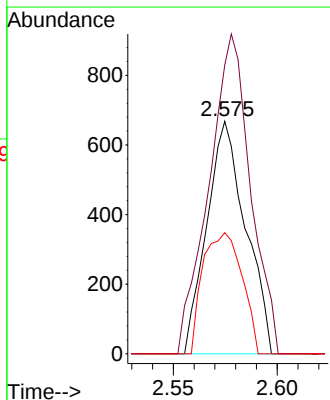
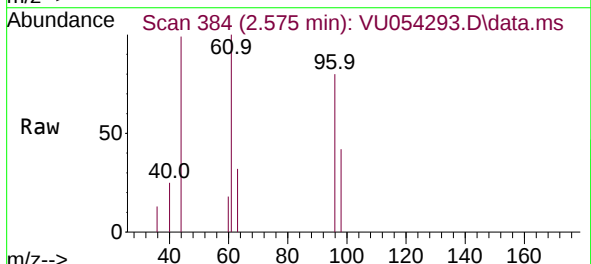
Instrument :
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 ClientSampleId :
 60BR-20230524

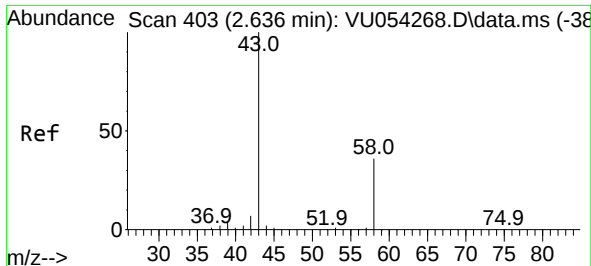
Tgt Ion: 62 Resp: 807
 Ion Ratio Lower Upper
 62 100
 64 13.3 25.3 37.9#



#12
 1,1-Dichloroethene
 Concen: 0.314 ug/l
 RT: 2.575 min Scan# 384
 Delta R.T. -0.000 min
 Lab File: VU054293.D
 Acq: 26 May 2023 18:12

Tgt Ion: 96 Resp: 868
 Ion Ratio Lower Upper
 96 100
 61 124.3 122.2 183.2
 98 52.1 50.7 76.1





#16

Acetone

Concen: 2.872 ug/l

RT: 2.626 min Scan# 40

Delta R.T. -0.010 min

Lab File: VU054293.D

Acq: 26 May 2023 18:12

Instrument :

MSVOA_U

ClientSampleId :

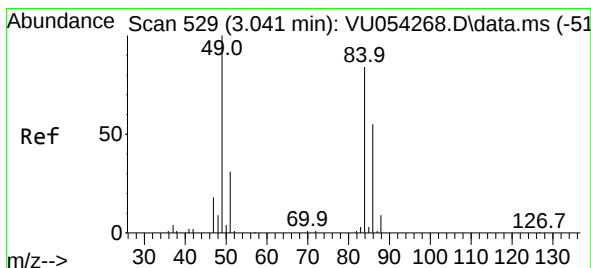
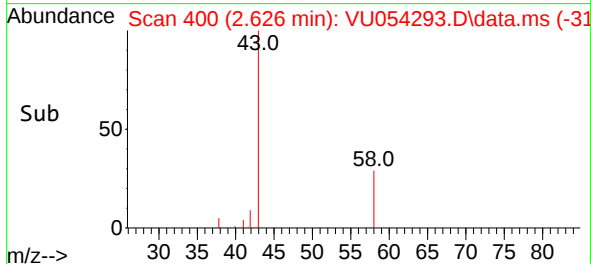
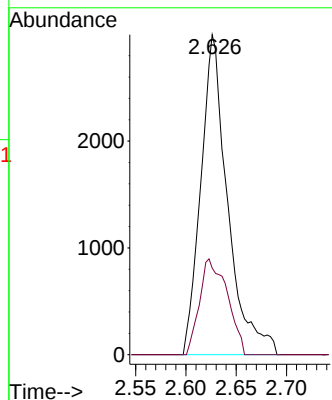
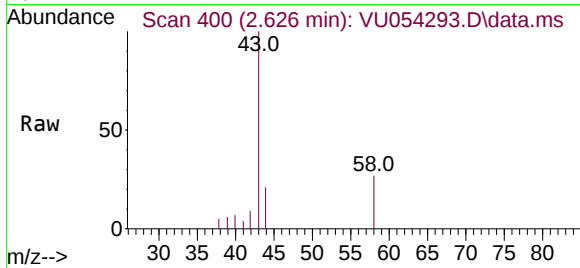
60BR-20230524

Tgt Ion: 43 Resp: 5551

Ion Ratio Lower Upper

43 100

58 27.1 27.5 41.3#



#20

Methylene Chloride

Concen: 0.232 ug/l

RT: 3.044 min Scan# 530

Delta R.T. 0.003 min

Lab File: VU054293.D

Acq: 26 May 2023 18:12

Tgt Ion: 84 Resp: 809

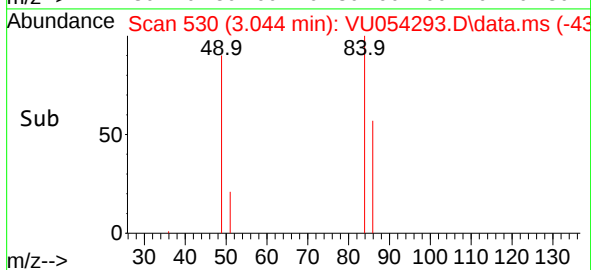
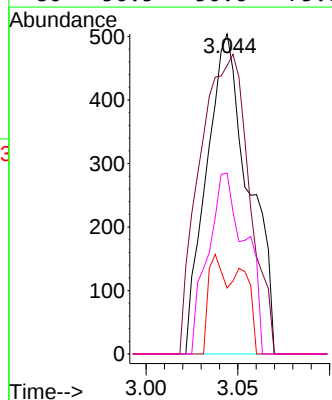
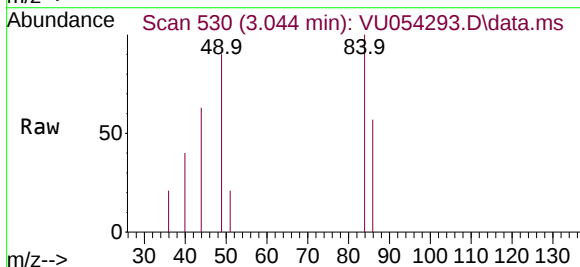
Ion Ratio Lower Upper

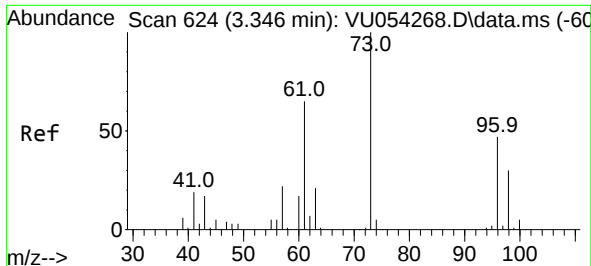
84 100

49 90.1 86.6 129.8

51 20.6 26.6 40.0#

86 56.5 50.6 75.8

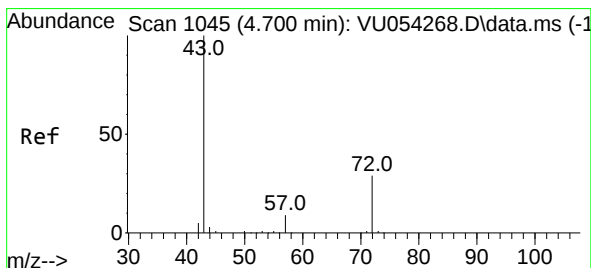
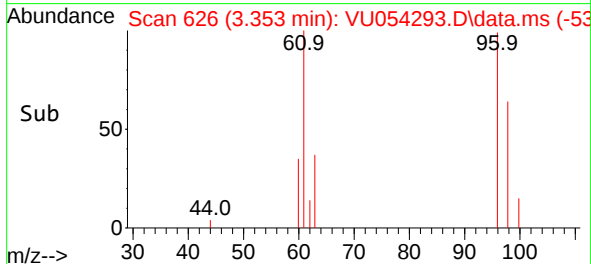
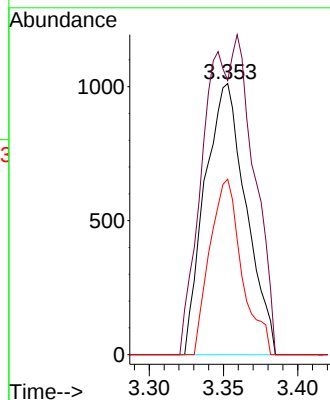
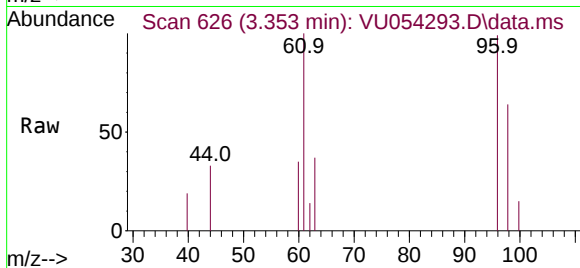




#21
trans-1,2-Dichloroethene
Concen: 0.660 ug/l
RT: 3.353 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

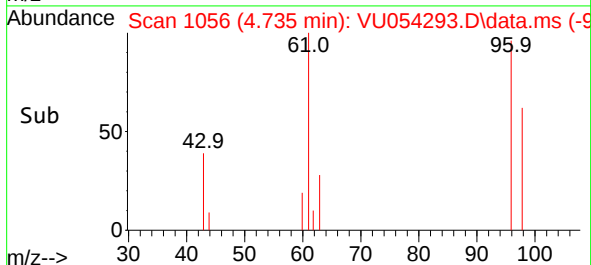
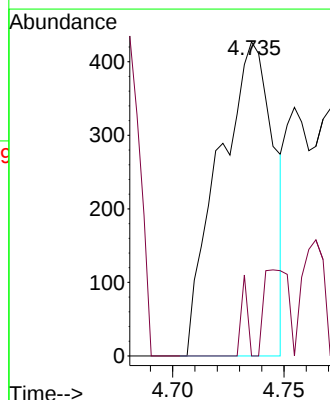
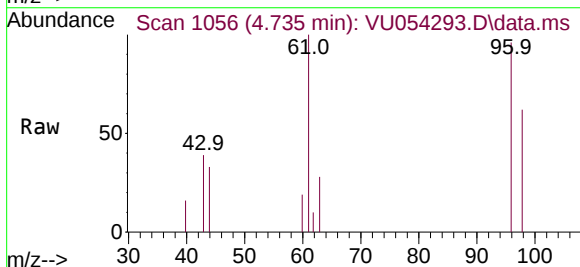
Instrument :
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ClientSampleId :
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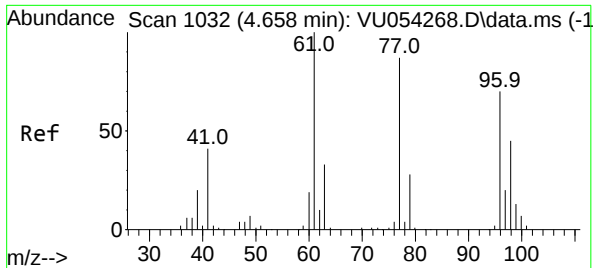
Tgt Ion: 96 Resp: 1955
Ion Ratio Lower Upper
96 100
61 101.1 106.1 159.1#
98 64.7 50.8 76.2



#25
2-Butanone
Concen: 0.284 ug/l
RT: 4.735 min Scan# 1056
Delta R.T. 0.035 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



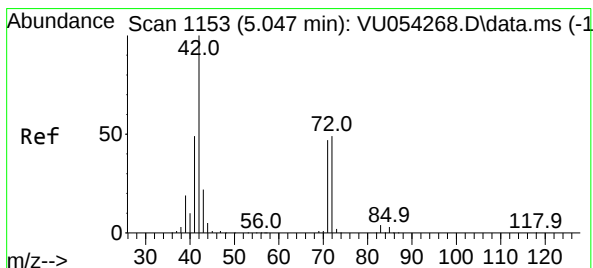
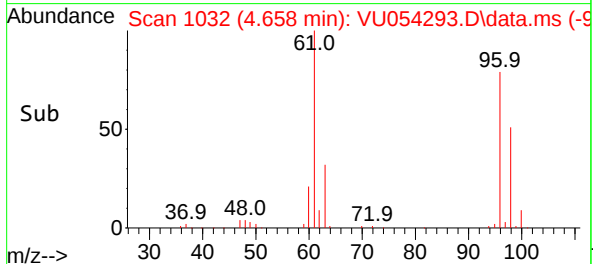
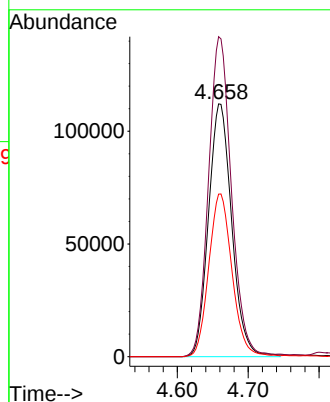
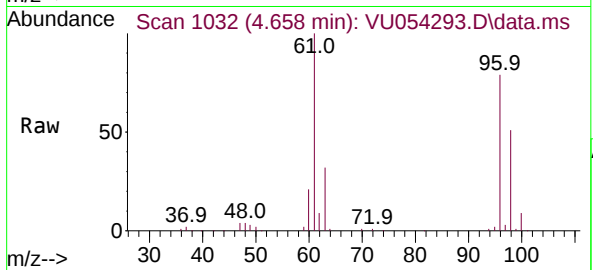


#27
 cis-1,2-Dichloroethene
 Concen: 77.467 ug/l
 RT: 4.658 min Scan# 1032
 Delta R.T. 0.000 min
 Lab File: VU054293.D
 Acq: 26 May 2023 18:12

Instrument :
 MSVOA_U
 ClientSampleId :
 60BR-20230524

Tgt Ion: 96 Resp: 255257

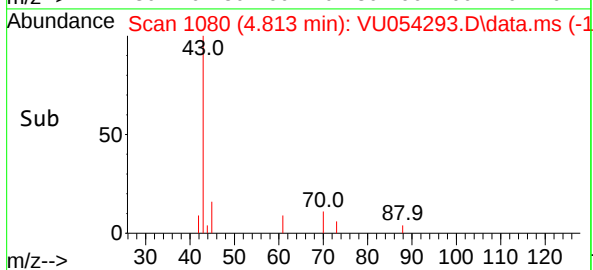
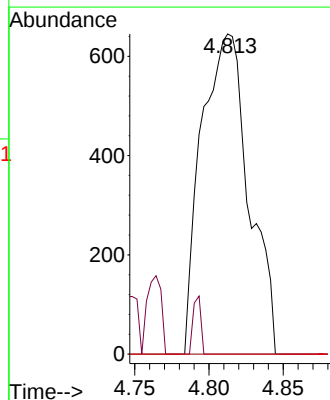
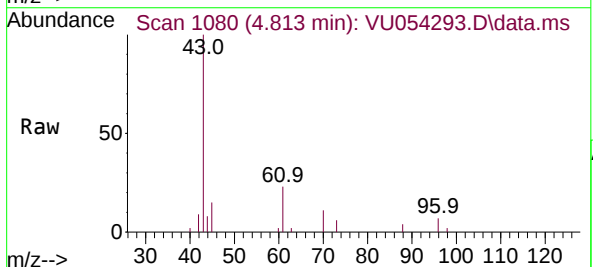
Ion	Ratio	Lower	Upper
96	100		
61	124.8	0.0	271.6
98	64.4	0.0	128.2

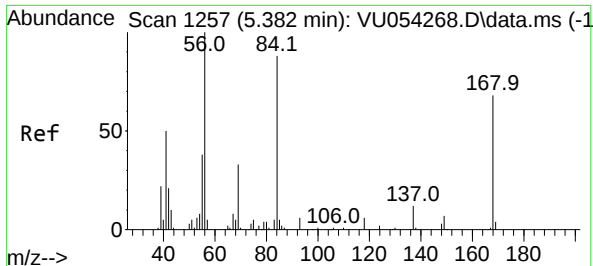


#29
 Tetrahydrofuran
 Concen: 0.892 ug/l
 RT: 4.813 min Scan# 1080
 Delta R.T. -0.234 min
 Lab File: VU054293.D
 Acq: 26 May 2023 18:12

Tgt Ion: 42 Resp: 1434

Ion	Ratio	Lower	Upper
42	100		
72	2.9	42.6	63.8#
71	0.0	40.3	60.5#

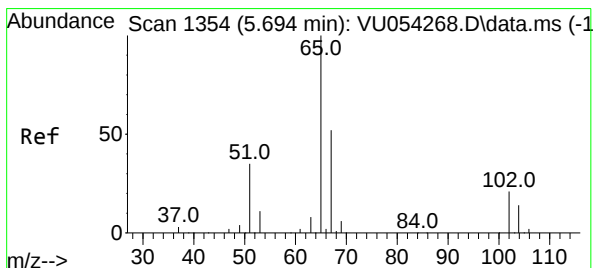
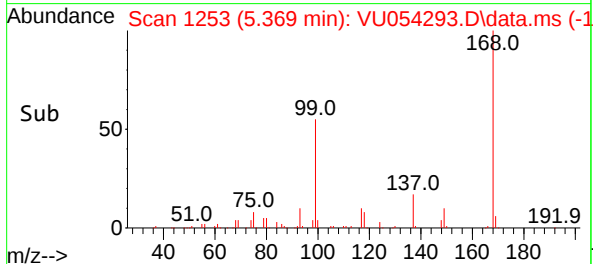
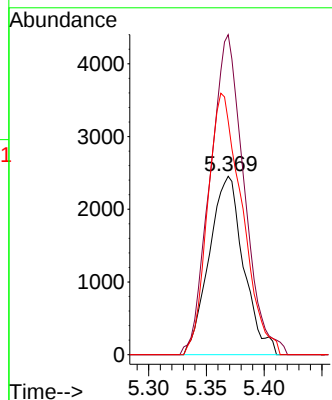
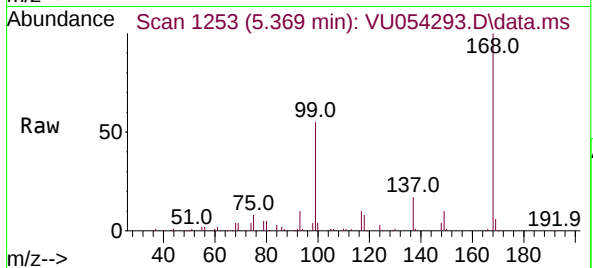




#31
Cyclohexane
Concen: 1.068 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

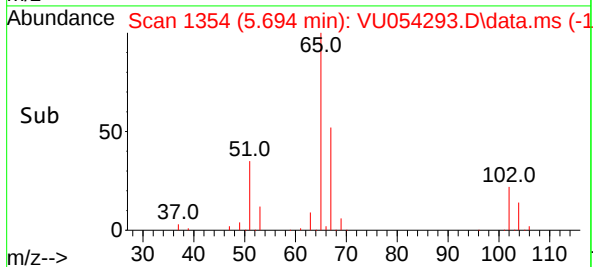
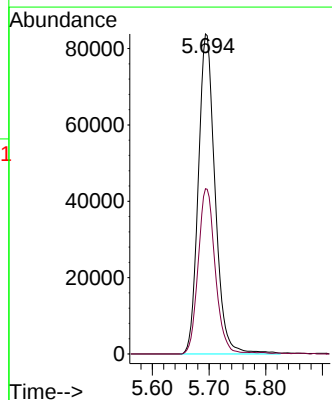
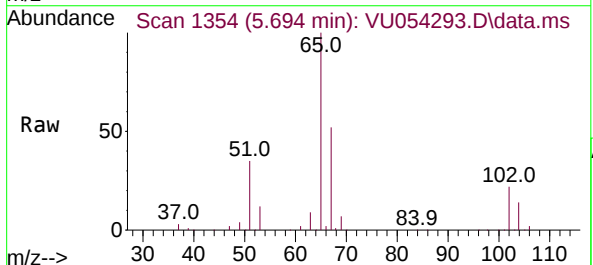
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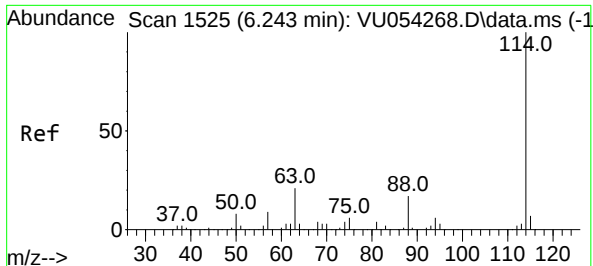
Tgt Ion: 56 Resp: 5087
Ion Ratio Lower Upper
56 100
69 179.3 27.8 41.8#
84 130.9 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 51.098 ug/l
RT: 5.694 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion: 65 Resp: 172290
Ion Ratio Lower Upper
65 100
67 52.4 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: VU054293.D

Acq: 26 May 2023 18:12

Instrument :

MSVOA_U

ClientSampleId :

60BR-20230524

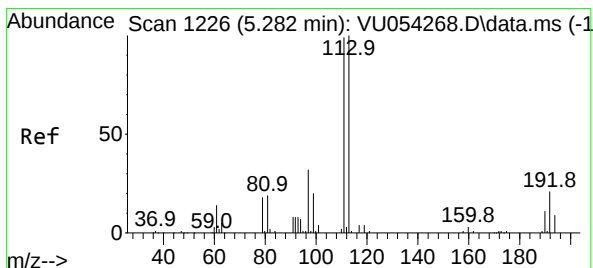
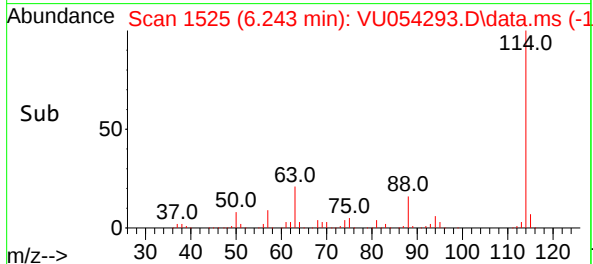
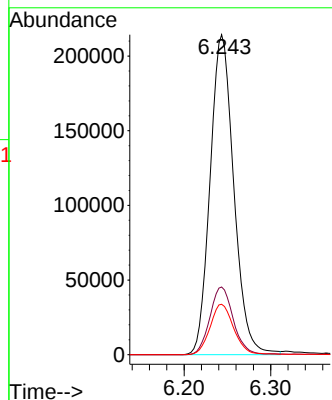
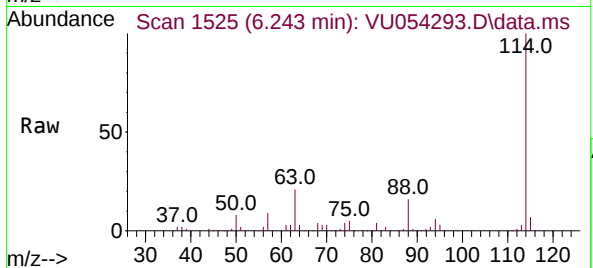
Tgt Ion:114 Resp: 407219

Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.8

88 15.8 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.540 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VU054293.D

Acq: 26 May 2023 18:12

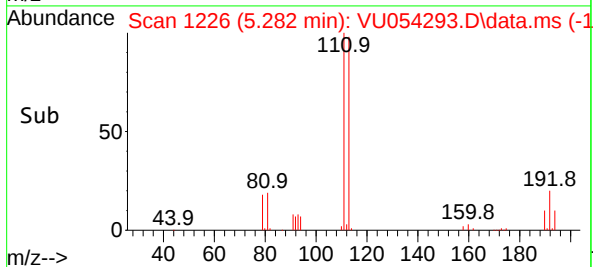
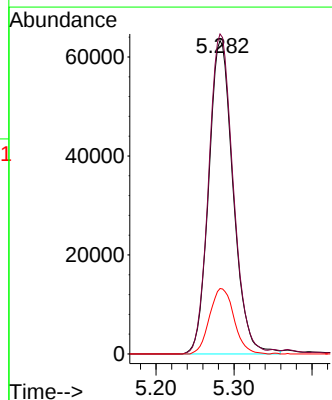
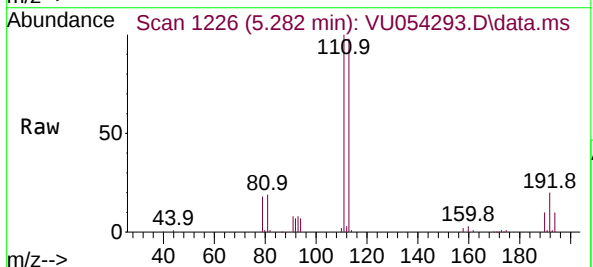
Tgt Ion:113 Resp: 137780

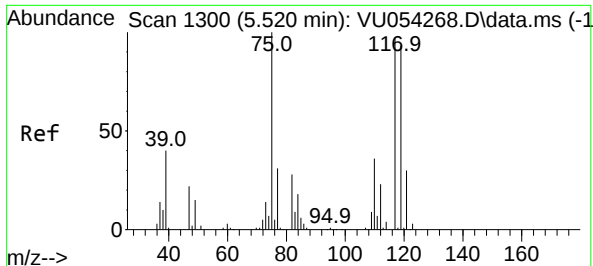
Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

192 20.9 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.672 ug/l

RT: 5.366 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU054293.D

Acq: 26 May 2023 18:12

Instrument :

MSVOA_U

ClientSampleId :

60BR-20230524

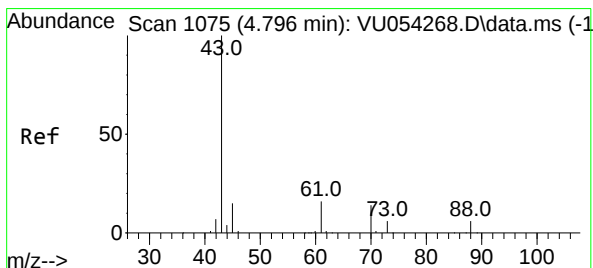
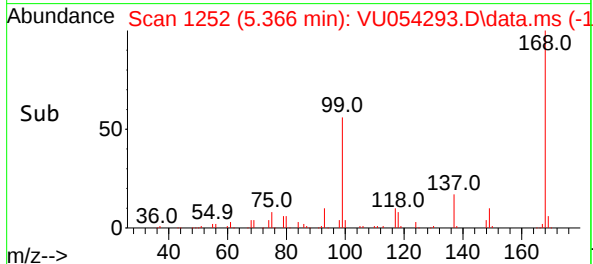
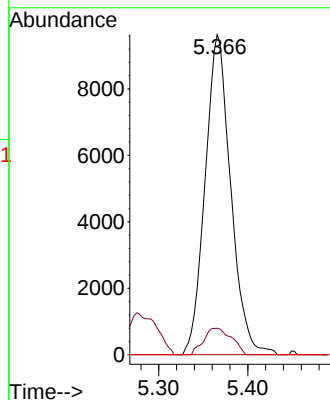
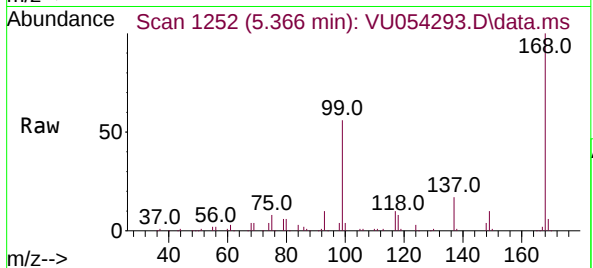
Tgt Ion: 75 Resp: 19242

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.678 ug/l

RT: 4.806 min Scan# 1078

Delta R.T. 0.010 min

Lab File: VU054293.D

Acq: 26 May 2023 18:12

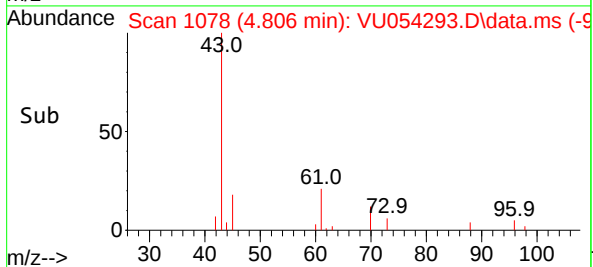
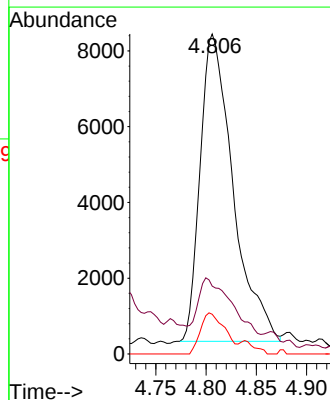
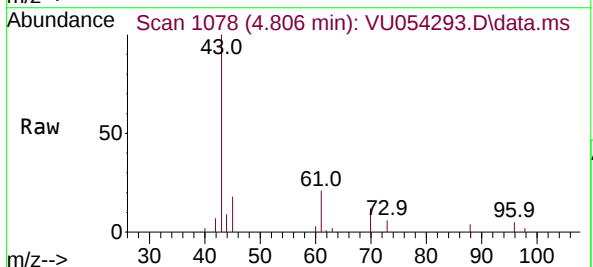
Tgt Ion: 43 Resp: 18465

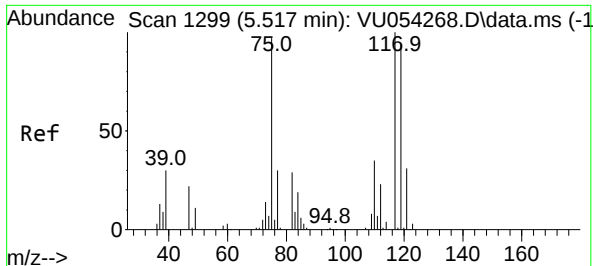
Ion Ratio Lower Upper

43 100

61 0.0 9.5 14.3#

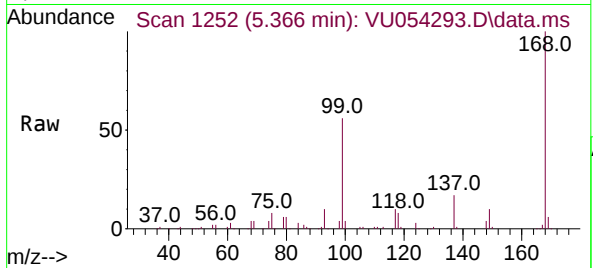
70 10.0 7.5 11.3



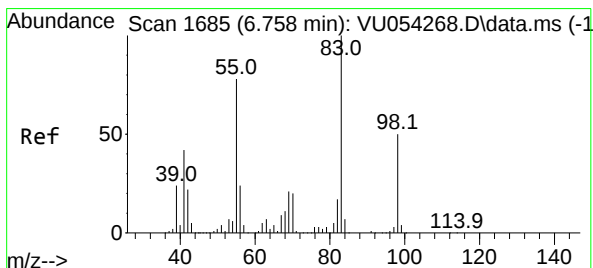
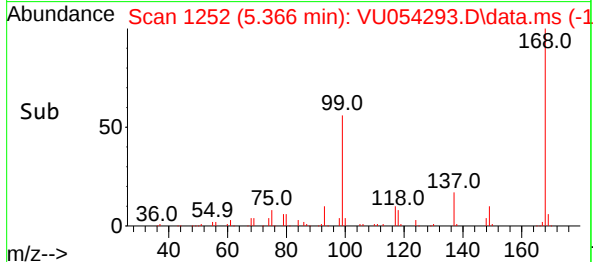
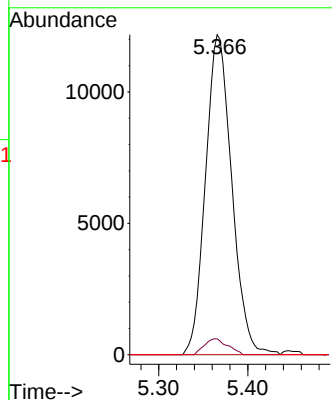


#38
Carbon Tetrachloride
Concen: 5.917 ug/l
RT: 5.366 min Scan# 11
Delta R.T. -0.151 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Instrument :
MSVOA_U
ClientSampleId :
60BR-20230524

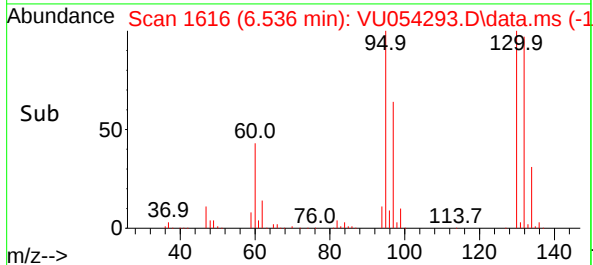
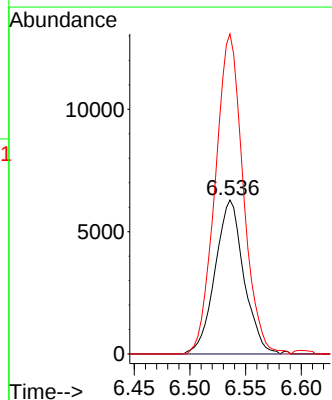
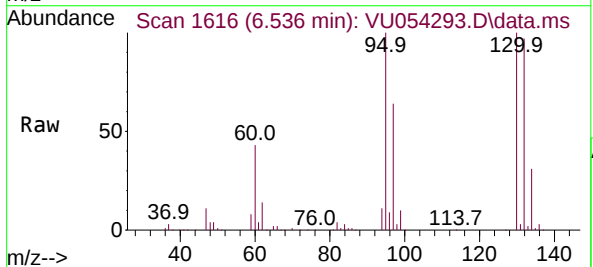


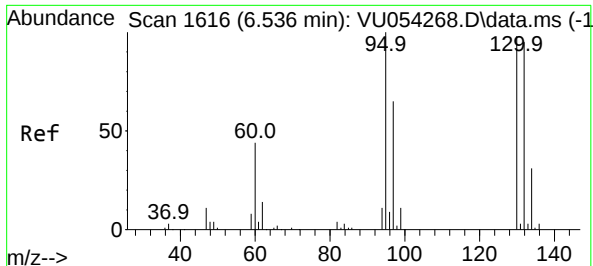
Tgt Ion:117 Resp: 24947
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 2.424 ug/l
RT: 6.536 min Scan# 1616
Delta R.T. -0.222 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion: 83 Resp: 11309
Ion Ratio Lower Upper
83 100
55 0.0 55.3 82.9#
98 207.9 37.3 55.9#

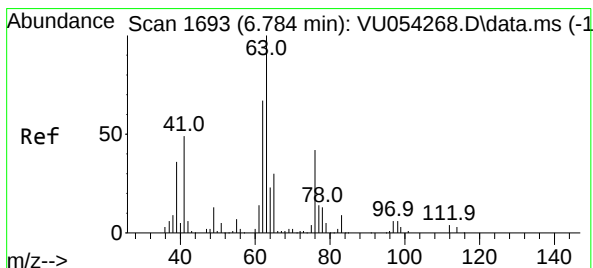
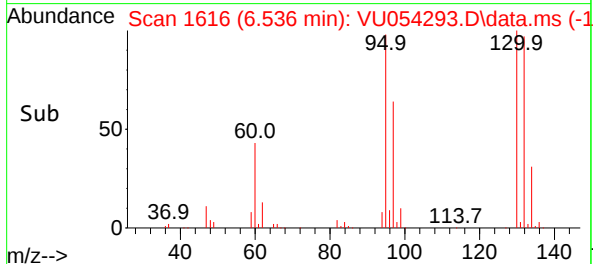
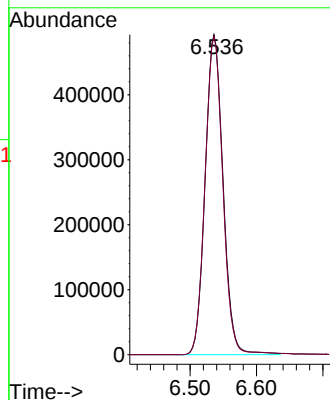
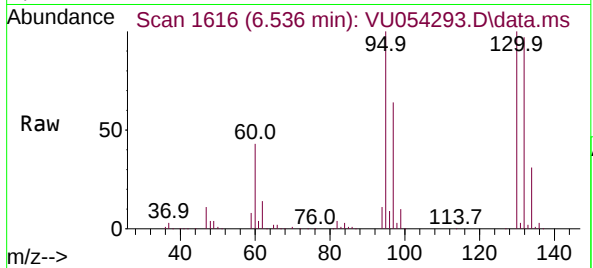




#44
Trichloroethene
Concen: 281.786 ug/l
RT: 6.536 min Scan# 1615
Delta R.T. -0.000 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

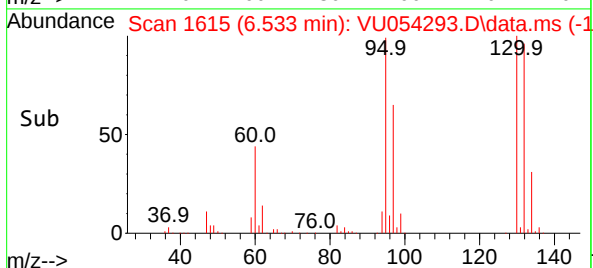
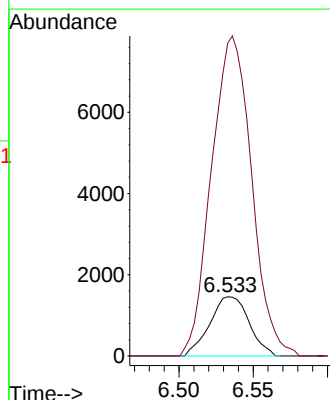
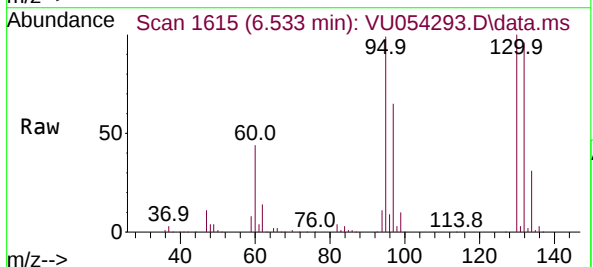
Instrument :
MSVOA_U
ClientSampleId :
60BR-20230524

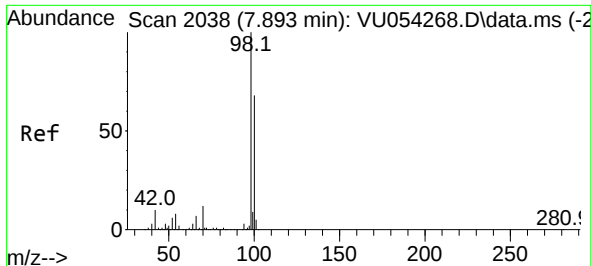
Tgt Ion:130 Resp: 925446
Ion Ratio Lower Upper
130 100
95 99.5 0.0 184.6



#45
1,2-Dichloropropane
Concen: 0.876 ug/l
RT: 6.533 min Scan# 1615
Delta R.T. -0.251 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion: 63 Resp: 2686
Ion Ratio Lower Upper
63 100
65 527.9 25.0 37.4#

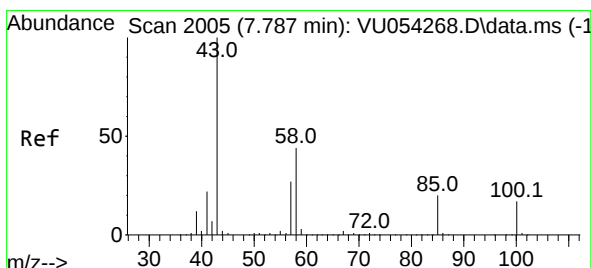
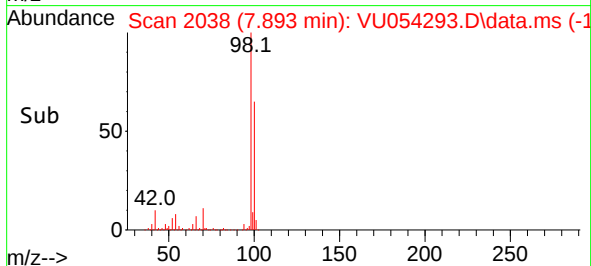
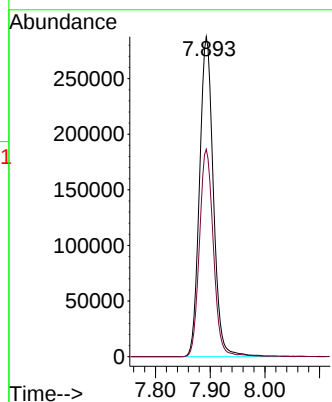
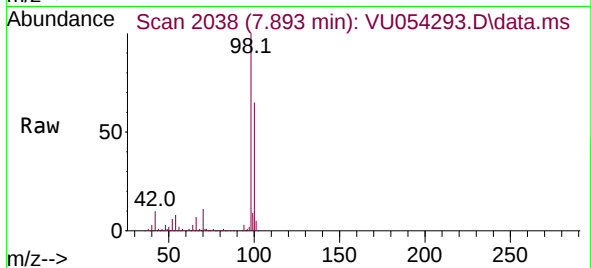




#50
Toluene-d8
Concen: 50.579 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

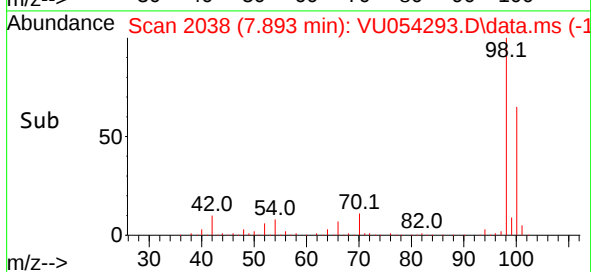
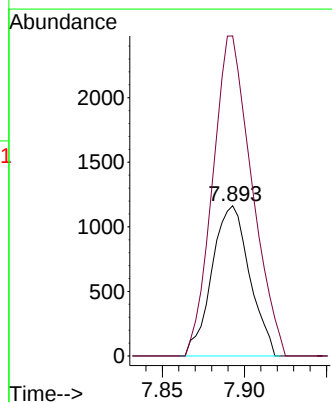
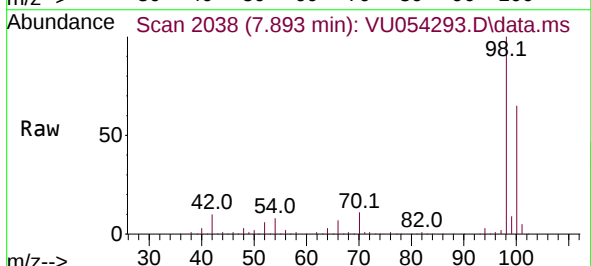
Instrument :
MSVOA_U
ClientSampleId :
60BR-20230524

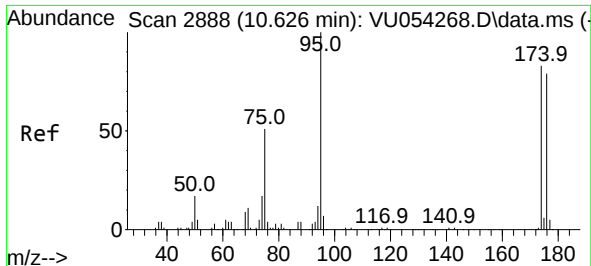
Tgt Ion: 98 Resp: 504516
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.401 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. 0.106 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
58 221.2 34.7 52.1#

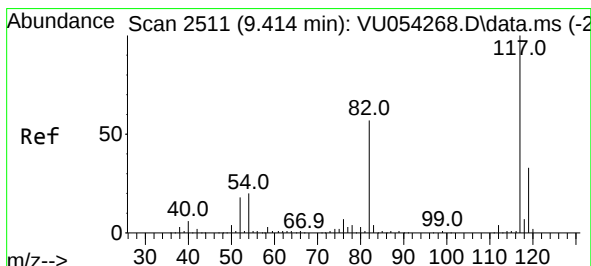
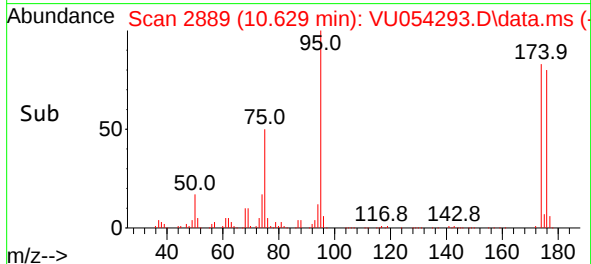
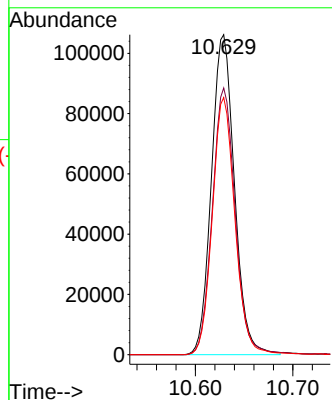
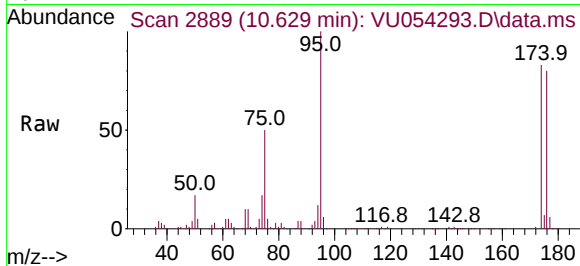




#62
4-Bromofluorobenzene
Concen: 45.060 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

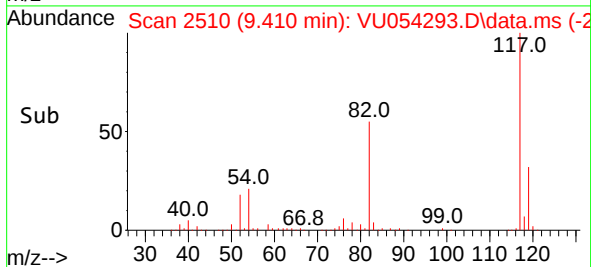
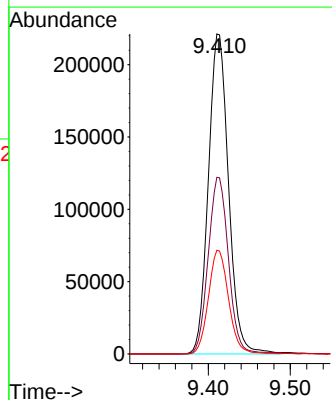
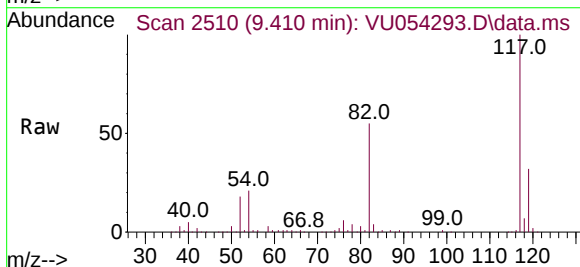
Instrument :
MSVOA_U
ClientSampleId :
60BR-20230524

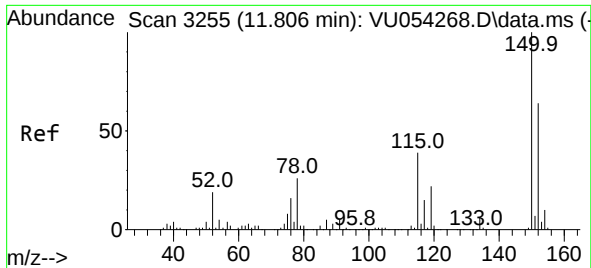
Tgt Ion: 95 Resp: 174278
Ion Ratio Lower Upper
95 100
174 83.3 0.0 182.0
176 79.4 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.410 min Scan# 2510
Delta R.T. -0.004 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion: 117 Resp: 377150
Ion Ratio Lower Upper
117 100
82 55.2 41.7 62.5
119 32.4 25.7 38.5

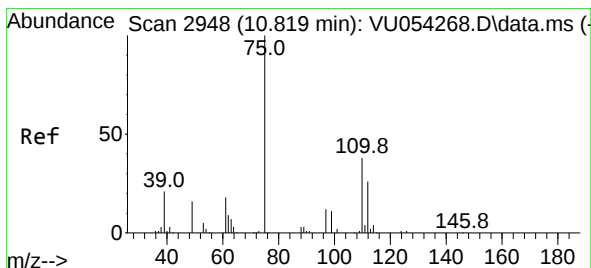
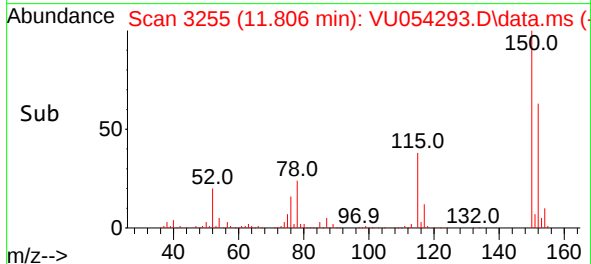
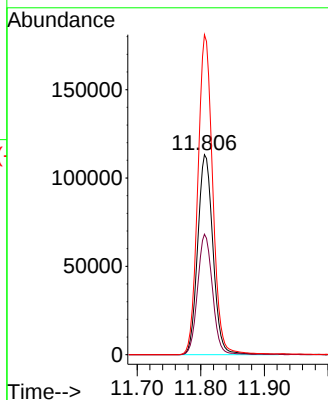
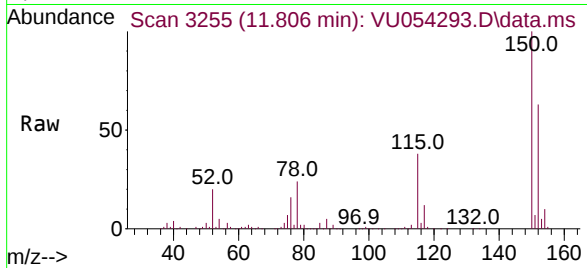




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054293.D
 Acq: 26 May 2023 18:12

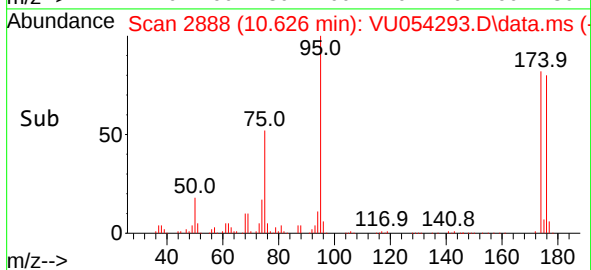
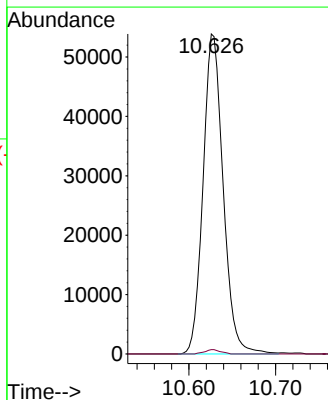
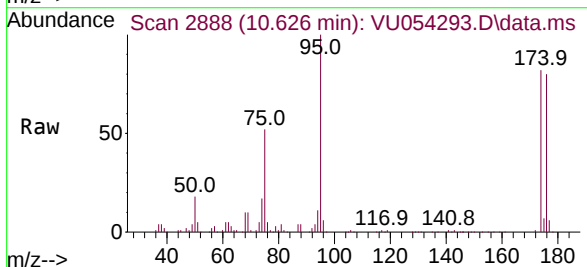
Instrument :
 MSVOA_U
 ClientSampleId :
 60BR-20230524

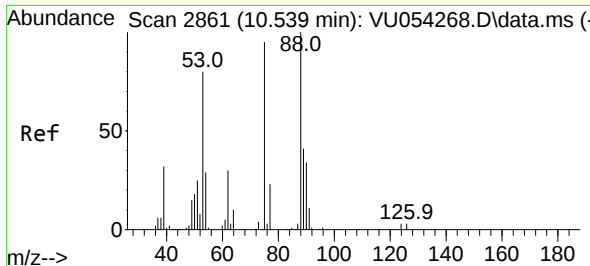
Tgt Ion:152 Resp: 188781
 Ion Ratio Lower Upper
 152 100
 115 58.6 37.0 110.9
 150 155.8 0.0 342.2



#76
 1,2,3-Trichloropropane
 Concen: 15.761 ug/l
 RT: 10.626 min Scan# 2888
 Delta R.T. -0.193 min
 Lab File: VU054293.D
 Acq: 26 May 2023 18:12

Tgt Ion: 75 Resp: 86837
 Ion Ratio Lower Upper
 75 100
 77 1.1 15.8 47.3#

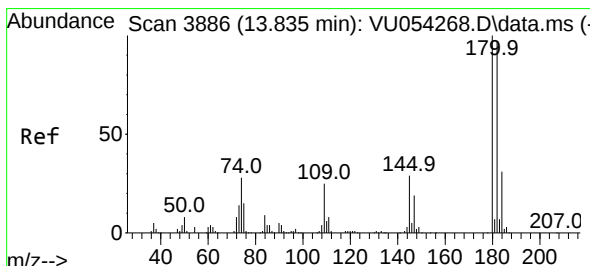
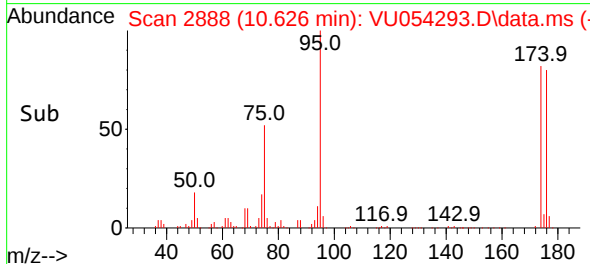
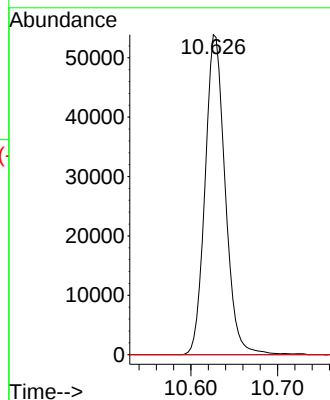
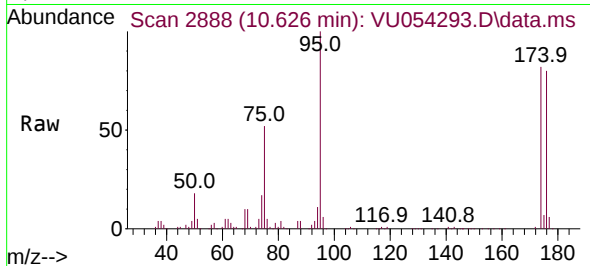




#81
trans-1,4-Dichloro-2-butene
Concen: 60.016 ug/l
RT: 10.626 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

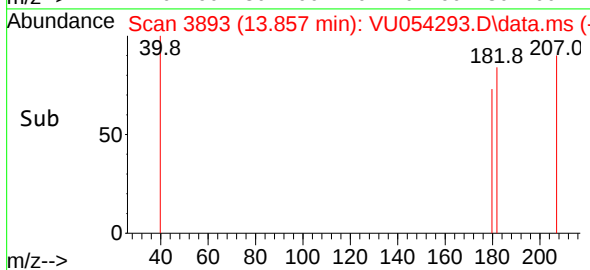
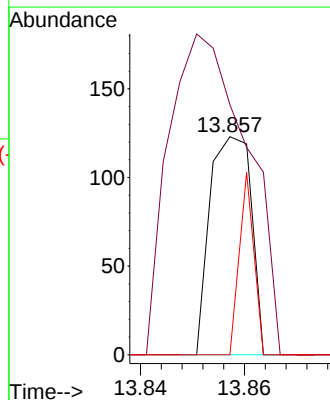
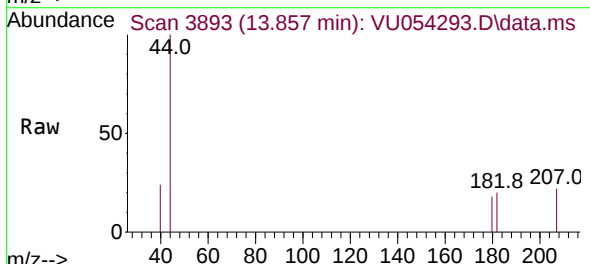
Instrument :
MSVOA_U
ClientSampleId :
60BR-20230524

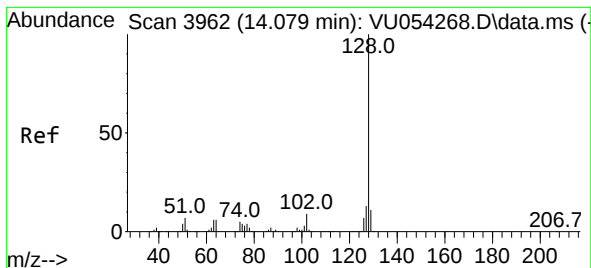
Tgt Ion: 75 Resp: 86837
Ion Ratio Lower Upper
75 100
53 0.0 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.658 ug/l
RT: 13.857 min Scan# 3893
Delta R.T. 0.022 min
Lab File: VU054293.D
Acq: 26 May 2023 18:12

Tgt Ion:180 Resp: 68
Ion Ratio Lower Upper
180 100
182 277.9 47.9 143.6#
145 29.4 14.0 41.9





#95

Naphthalene

Concen: 2.016 ug/l

RT: 14.121 min Scan# 3962

Delta R.T. 0.042 min

Lab File: VU054293.D

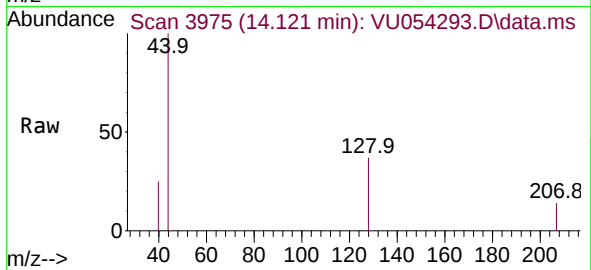
Acq: 26 May 2023 18:12

Instrument :

MSVOA_U

ClientSampleId :

60BR-20230524



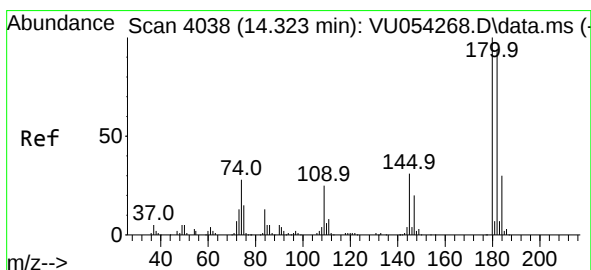
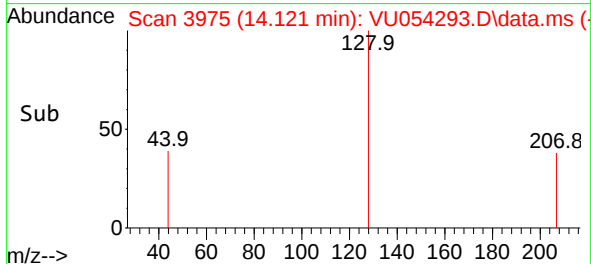
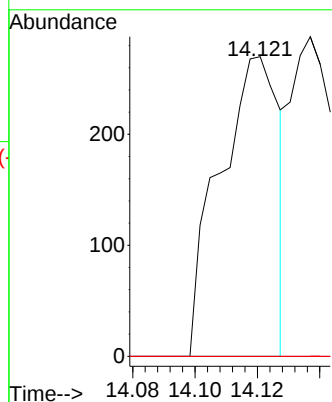
Tgt Ion:128 Resp: 356

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: 1.302 ug/l

RT: 14.333 min Scan# 4041

Delta R.T. 0.010 min

Lab File: VU054293.D

Acq: 26 May 2023 18:12

Tgt Ion:180 Resp: 209

Ion Ratio Lower Upper

180 100

182 20.1 48.4 145.0#

145 0.0 14.8 44.4#

