

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054299.D
 Acq On : 26 May 2023 20:34
 Operator : JC/MD
 Sample : 02936-10MSD 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524MSD

Quant Time: May 30 00:07:30 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	202623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	334788	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	314999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	173298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	142240	53.551	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.100%	
35) Dibromofluoromethane	5.282	113	115862	53.740	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.480%	
50) Toluene-d8	7.893	98	425247	51.856	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.720%	
62) 4-Bromofluorobenzene	10.626	95	158841	49.954	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	129977	57.462	ug/l	99
3) Chloromethane	1.517	50	163909	55.341	ug/l	98
4) Vinyl Chloride	1.604	62	170234	60.240	ug/l	100
5) Bromomethane	1.845	94	77734	49.692	ug/l	94
6) Chloroethane	1.925	64	100815	73.976	ug/l	99
7) Trichlorofluoromethane	2.131	101	214904	55.277	ug/l	97
8) Diethyl Ether	2.372	74	84302	58.573	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.575	101	118677	56.380	ug/l	97
10) Methyl Iodide	2.720	142	146940	57.889	ug/l	95
11) Tert butyl alcohol	3.183	59	76410	106.496	ug/l #	52
12) 1,1-Dichloroethene	2.575	96	118947	54.575	ug/l	96
13) Acrolein	2.482	56	157587	211.126	ug/l	98
14) Allyl chloride	2.916	41	205640	54.417	ug/l	90
15) Acrylonitrile	3.305	53	392081	243.730	ug/l	99
16) Acetone	2.623	43	299357	196.616	ug/l	98
17) Carbon Disulfide	2.787	76	348951	54.175	ug/l	99
18) Methyl Acetate	2.941	43	271955	48.919	ug/l	96
19) Methyl tert-butyl Ether	3.356	73	403309	56.531	ug/l	100
20) Methylene Chloride	3.041	84	145667	53.032	ug/l	94
21) trans-1,2-Dichloroethene	3.347	96	130924	56.108	ug/l	97
22) Diisopropyl ether	3.983	45	402082	60.031	ug/l #	76
23) Vinyl Acetate	3.945	43	1432281	293.055	ug/l	98
24) 1,1-Dichloroethane	3.864	63	249083	58.077	ug/l	98
25) 2-Butanone	4.694	43	472061	234.174	ug/l	97
26) 2,2-Dichloropropane	4.655	77	184269	49.164	ug/l	98
27) cis-1,2-Dichloroethene	4.658	96	197891	76.236	ug/l	98
28) Bromochloromethane	4.964	49	113309	57.092	ug/l	83
29) Tetrahydrofuran	5.041	42	309107	243.944	ug/l	94
30) Chloroform	5.083	83	246369	56.511	ug/l	98
31) Cyclohexane	5.382	56	202843	54.083	ug/l	95
32) 1,1,1-Trichloroethane	5.308	97	214612	56.702	ug/l	98
36) 1,1-Dichloropropene	5.520	75	174177	51.436	ug/l	99
37) Ethyl Acetate	4.797	43	182748	44.282	ug/l #	91
38) Carbon Tetrachloride	5.517	117	186028	53.672	ug/l	98
39) Methylcyclohexane	6.758	83	200794	52.351	ug/l	94
40) Benzene	5.768	78	539225	55.826	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	99595	52.217	ug/l	93
42) 1,2-Dichloroethane	5.787	62	191794	54.660	ug/l	99
43) Isopropyl Acetate	5.903	43	290108	50.963	ug/l	98
44) Trichloroethene	6.536	130	370360	137.167	ug/l	94
45) 1,2-Dichloropropane	6.784	63	141713	56.240	ug/l	99
46) Dibromomethane	6.912	93	100395	54.127	ug/l	95
47) Bromodichloromethane	7.099	83	188921	54.464	ug/l	99
48) Methyl methacrylate	6.954	41	138181	54.737	ug/l	92
49) 1,4-Dioxane	6.970	88	63424	870.261	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	927437	244.138	ug/l	99
52) Toluene	7.964	92	328797	53.385	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	210601	53.068	ug/l	98
54) cis-1,3-Dichloropropene	7.600	75	224227	54.142	ug/l	98
55) 1,1,2-Trichloroethane	8.395	97	136265	53.387	ug/l	99
56) Ethyl methacrylate	8.327	69	207509	54.617	ug/l	97
57) 1,3-Dichloropropane	8.568	76	239613	54.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.459	63	35653	146.362	ug/l	100
59) 2-Hexanone	8.678	43	710290	236.693	ug/l	100
60) Dibromochloromethane	8.803	129	143955	55.512	ug/l	100
61) 1,2-Dibromoethane	8.919	107	147187	52.986	ug/l	99
64) Tetrachloroethene	8.549	164	132205	55.765	ug/l	99
65) Chlorobenzene	9.440	112	350646	53.248	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.526	131	133501	55.883	ug/l	98
67) Ethyl Benzene	9.565	91	618510	54.938	ug/l	97
68) m/p-Xylenes	9.690	106	475592	111.446	ug/l	93
69) o-Xylene	10.095	106	229093	55.456	ug/l	92
70) Styrene	10.108	104	393078	57.377	ug/l	98
71) Bromoform	10.285	173	112430	54.158	ug/l	100
73) Isopropylbenzene	10.478	105	596537	55.582	ug/l	99
74) N-amyl acetate	10.314	43	248242	54.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.777	83	226372	52.126	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	251420	49.709	ug/l	98
77) Bromobenzene	10.777	156	157268	53.361	ug/l	91
78) n-propylbenzene	10.899	91	725896	55.212	ug/l	98
79) 2-Chlorotoluene	10.980	91	428964	53.891	ug/l	95
80) 1,3,5-Trimethylbenzene	11.083	105	513079	56.215	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.539	75	65939	49.644	ug/l	96
82) 4-Chlorotoluene	11.089	91	501571	53.705	ug/l	95
83) tert-Butylbenzene	11.414	119	490886	53.784	ug/l	94
84) 1,2,4-Trimethylbenzene	11.462	105	508158	55.962	ug/l	98
85) sec-Butylbenzene	11.639	105	631946	54.567	ug/l	99
86) p-Isopropyltoluene	11.787	119	531253	54.539	ug/l	98
87) 1,3-Dichlorobenzene	11.738	146	297986	52.218	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	301026	50.494	ug/l	98
89) n-Butylbenzene	12.201	91	472196	51.499	ug/l	98
90) Hexachloroethane	12.468	117	92479	53.666	ug/l	92
91) 1,2-Dichlorobenzene	12.208	146	301989	53.793	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.989	75	50171	50.656	ug/l	94
93) 1,2,4-Trichlorobenzene	13.835	180	208835	52.313	ug/l	99
94) Hexachlorobutadiene	14.015	225	91709	49.650	ug/l	99
95) Naphthalene	14.079	128	655517	51.096	ug/l	100
96) 1,2,3-Trichlorobenzene	14.324	180	212519	53.715	ug/l	98

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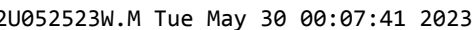
Instrument :
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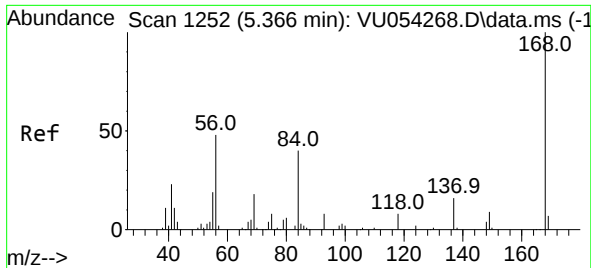
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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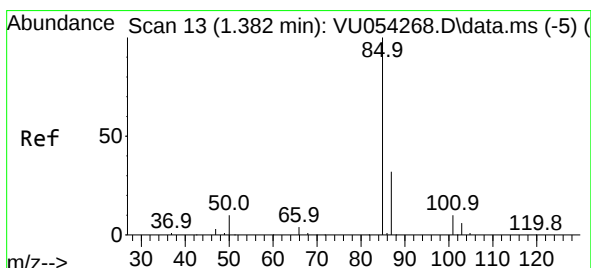
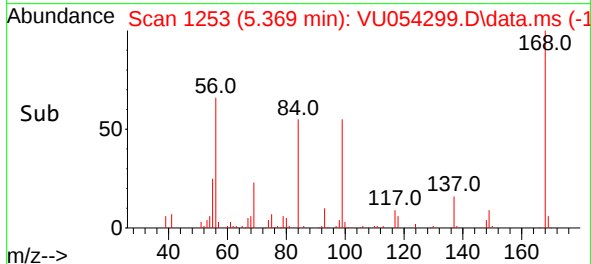
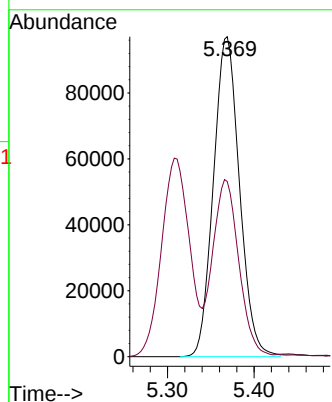
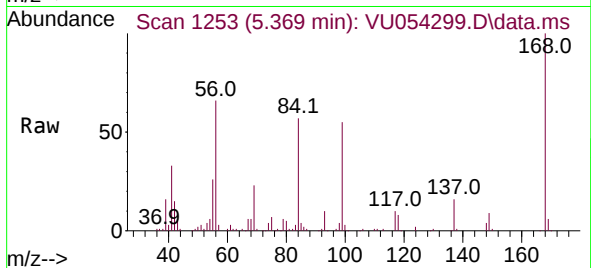




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054299.D
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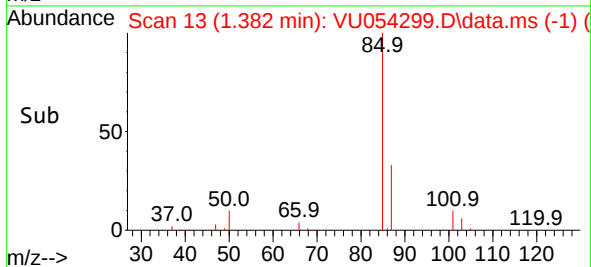
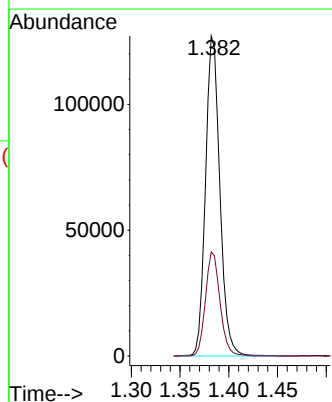
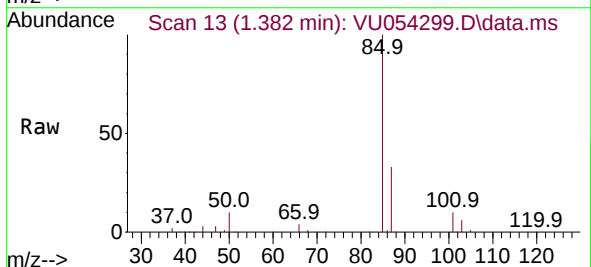
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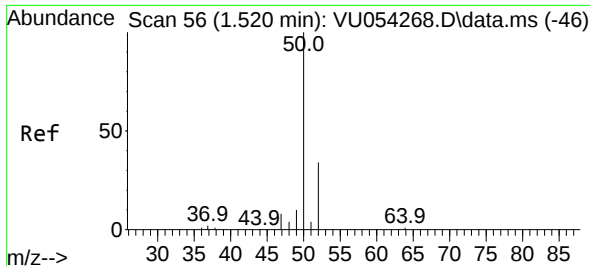
Tgt Ion:168 Resp: 202623
Ion Ratio Lower Upper
168 100
99 54.1 39.3 58.9



#2
Dichlorodifluoromethane
Concen: 57.462 ug/l
RT: 1.382 min Scan# 13
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 85 Resp: 129977
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.2

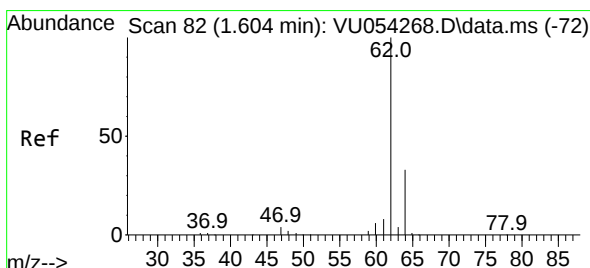
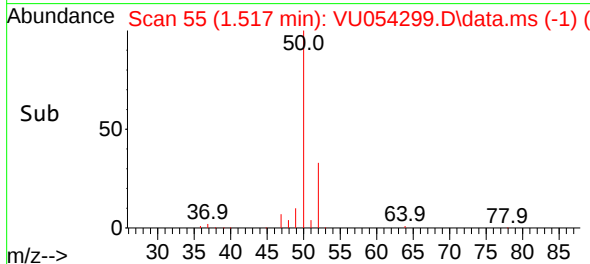
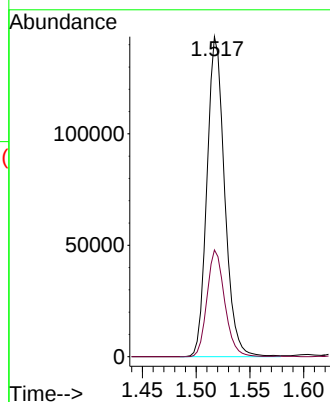
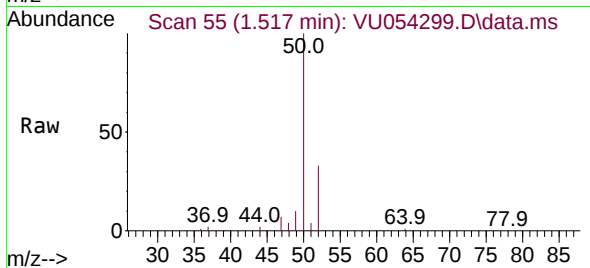




#3
Chloromethane
Concen: 55.341 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

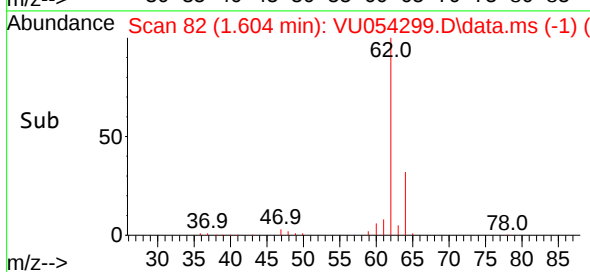
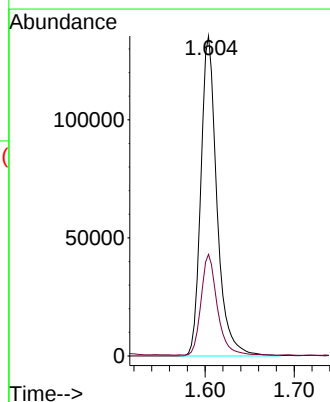
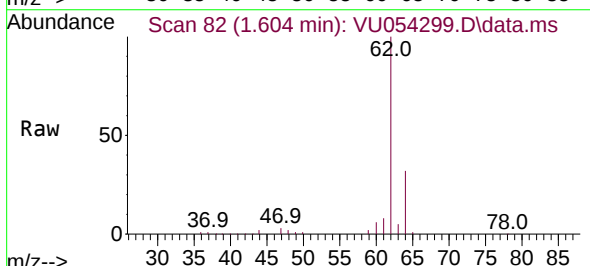
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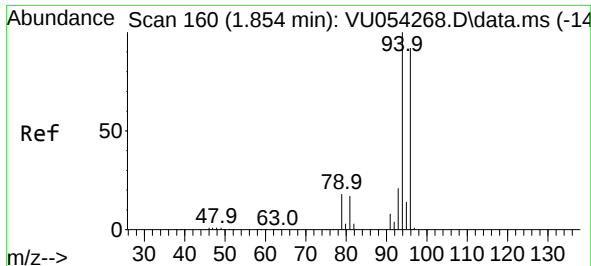
Tgt Ion: 50 Resp: 163909
Ion Ratio Lower Upper
50 100
52 33.4 27.4 41.2



#4
Vinyl Chloride
Concen: 60.240 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 62 Resp: 170234
Ion Ratio Lower Upper
62 100
64 31.4 25.3 37.9

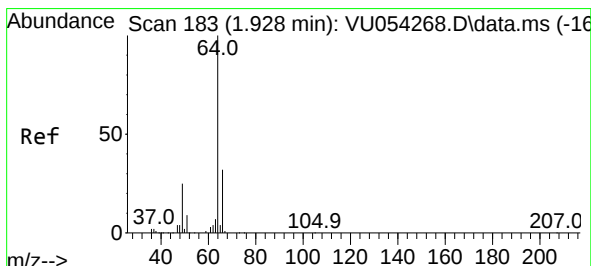
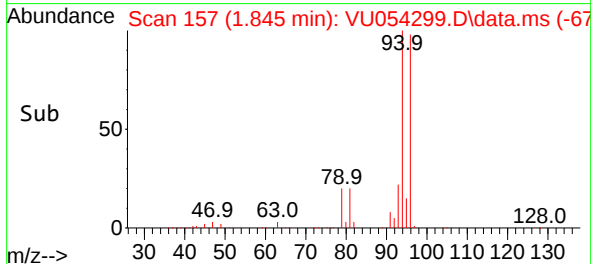
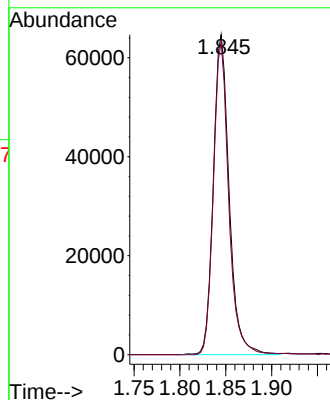
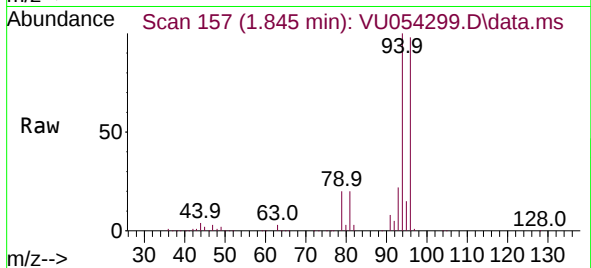




#5
Bromomethane
Concen: 49.692 ug/l
RT: 1.845 min Scan# 11
Delta R.T. -0.009 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

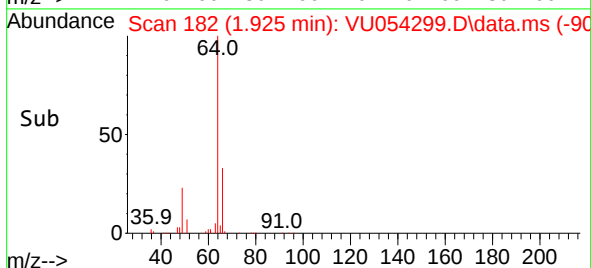
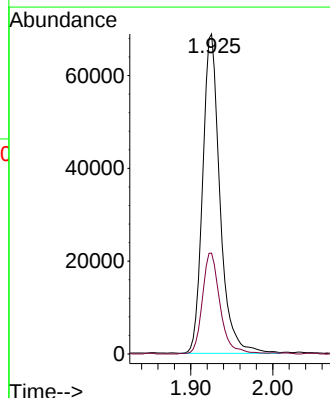
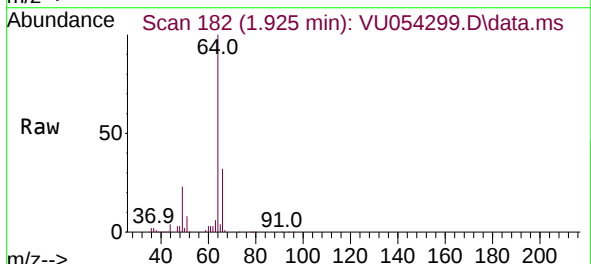
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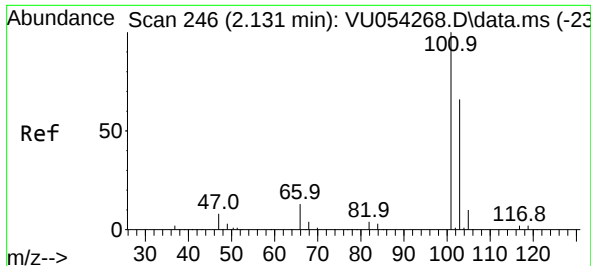
Tgt Ion: 94 Resp: 77734
Ion Ratio Lower Upper
94 100
96 97.7 73.7 110.5



#6
Chloroethane
Concen: 73.976 ug/l
RT: 1.925 min Scan# 182
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 64 Resp: 100815
Ion Ratio Lower Upper
64 100
66 31.4 24.7 37.1

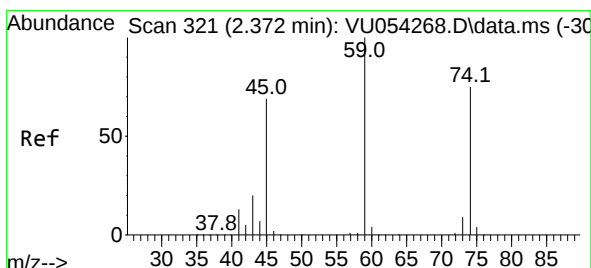
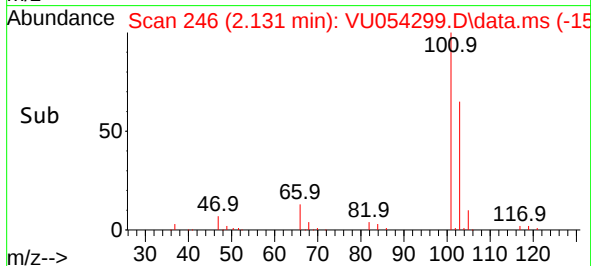
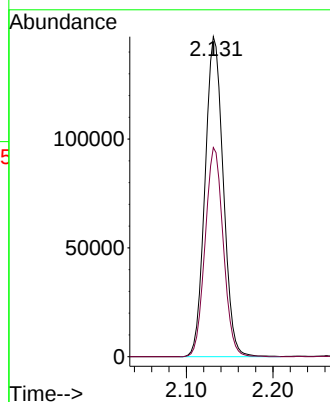
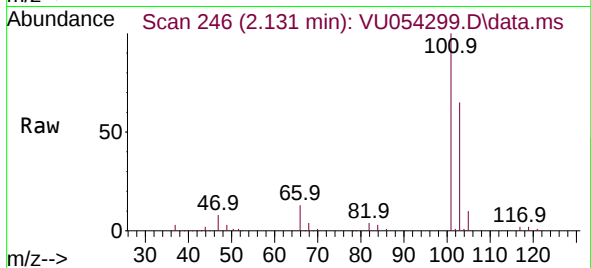




#7
 Trichlorofluoromethane
 Concen: 55.277 ug/l
 RT: 2.131 min Scan# 246
 Delta R.T. 0.000 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

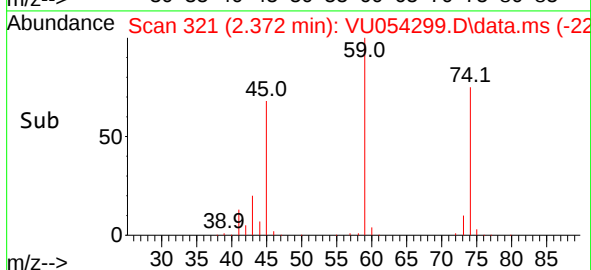
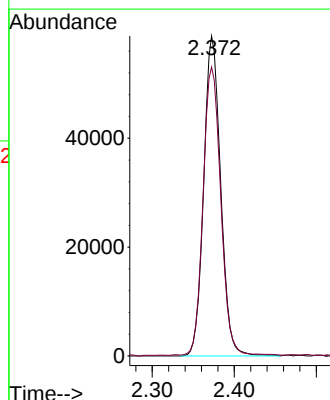
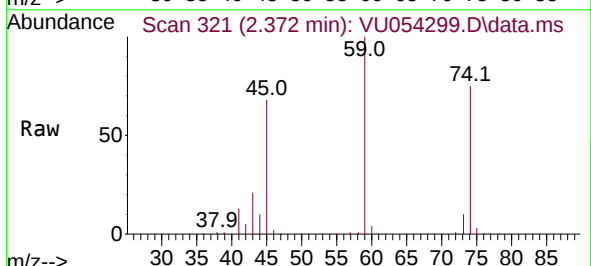
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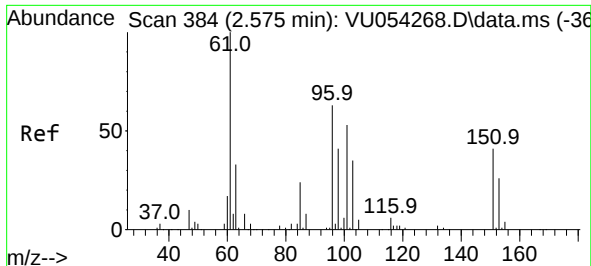
Tgt Ion:101 Resp: 214904
 Ion Ratio Lower Upper
 101 100
 103 65.3 50.6 75.8



#8
 Diethyl Ether
 Concen: 58.573 ug/l
 RT: 2.372 min Scan# 321
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 84302
 Ion Ratio Lower Upper
 74 100
 45 93.8 44.4 133.2

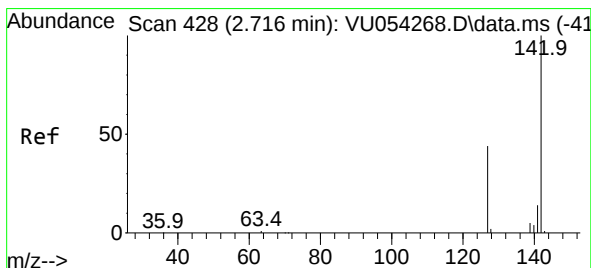
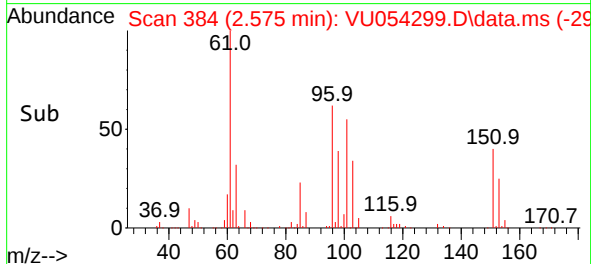
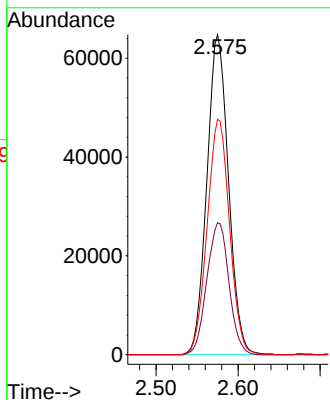
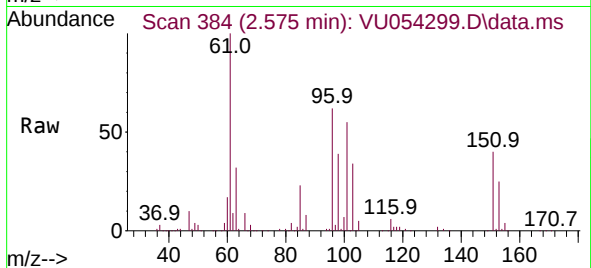




#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.380 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

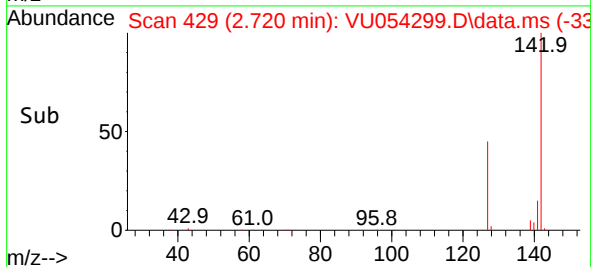
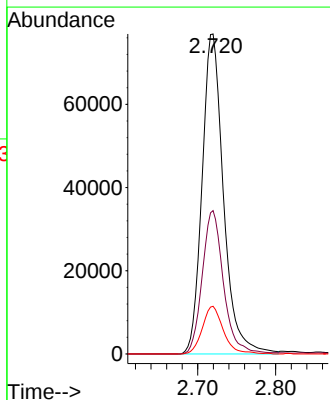
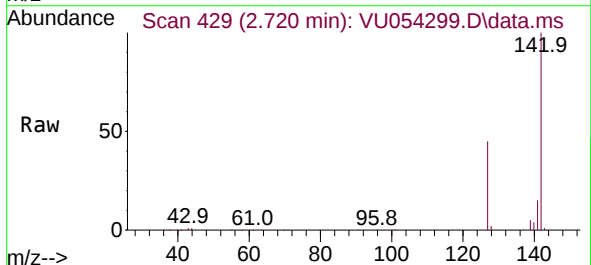
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

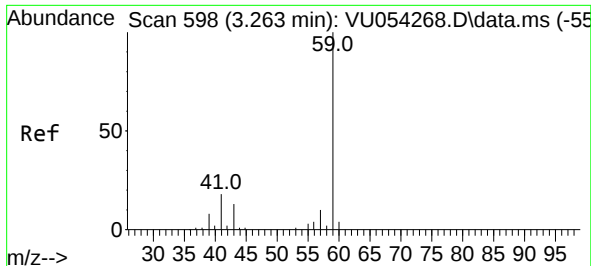
Tgt Ion:101 Resp: 118677
Ion Ratio Lower Upper
101 100
85 42.3 33.9 50.9
151 76.2 64.0 96.0



#10
Methyl Iodide
Concen: 57.889 ug/l
RT: 2.720 min Scan# 429
Delta R.T. 0.004 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion:142 Resp: 146940
Ion Ratio Lower Upper
142 100
127 44.7 32.5 48.7
141 14.6 11.4 17.0

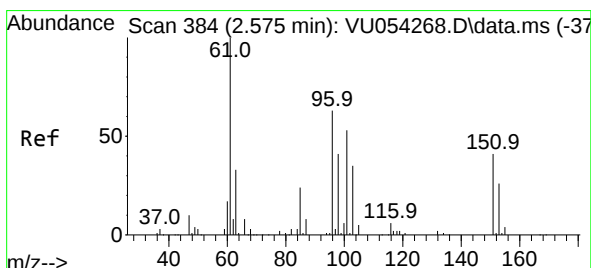
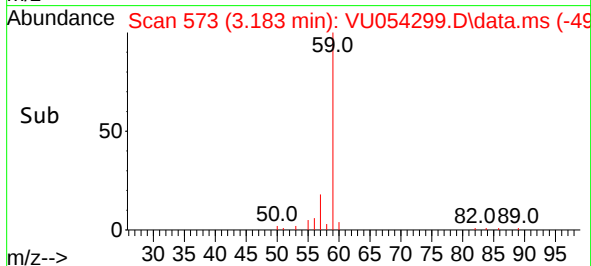
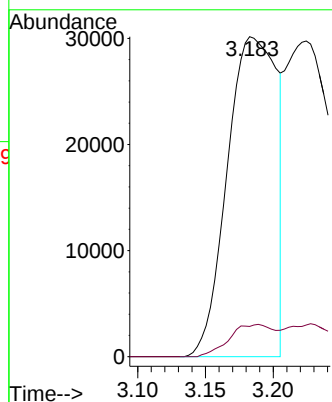
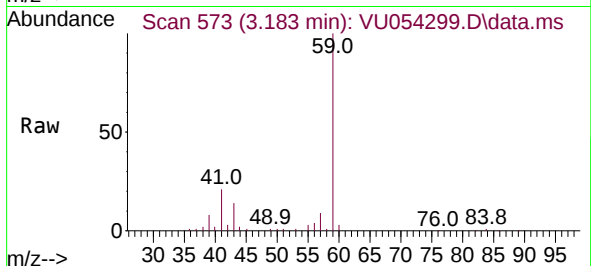




#11
Tert butyl alcohol
Concen: 106.496 ug/l
RT: 3.183 min Scan# 51
Delta R.T. -0.060 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

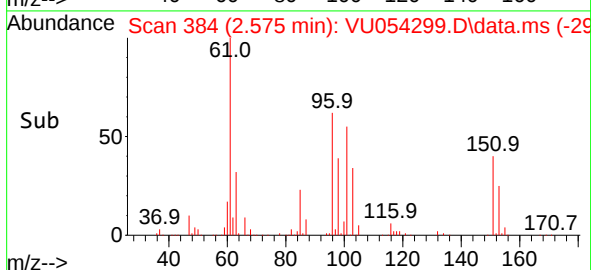
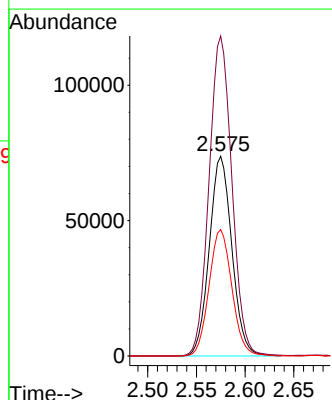
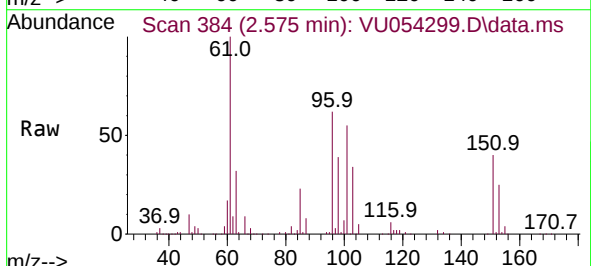
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

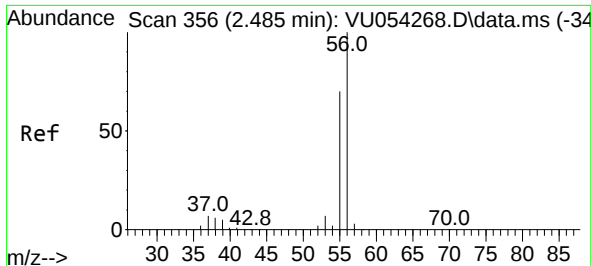
Tgt Ion: 59 Resp: 76410
Ion Ratio Lower Upper
59 100
57 8.9 30.6 45.8#



#12
1,1-Dichloroethene
Concen: 54.575 ug/l
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 96 Resp: 118947
Ion Ratio Lower Upper
96 100
61 160.3 122.2 183.2
98 63.3 50.7 76.1

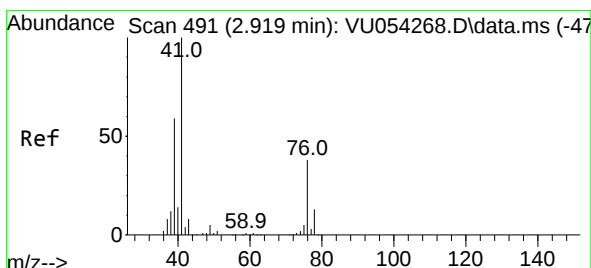
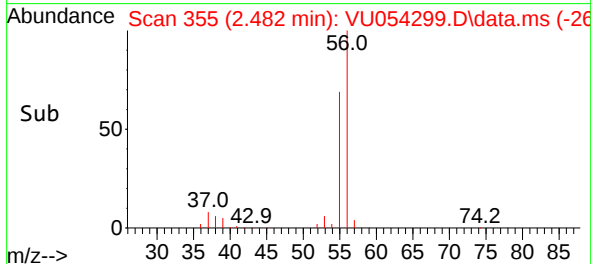
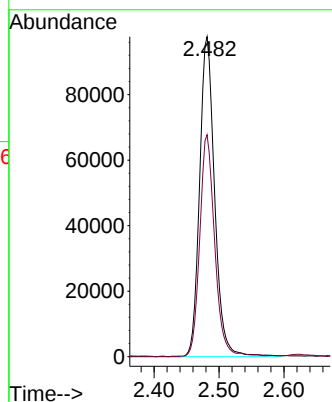
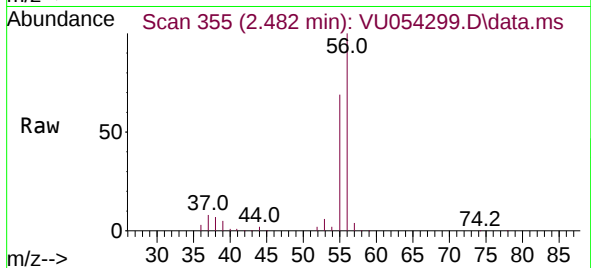




#13
Acrolein
Concen: 211.126 ug/l
RT: 2.482 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

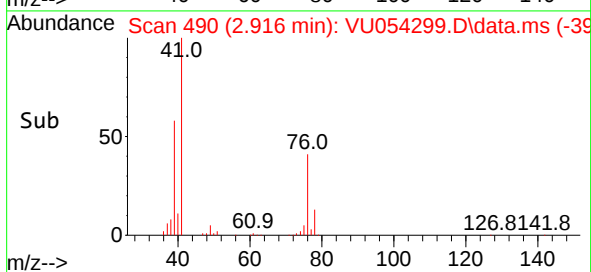
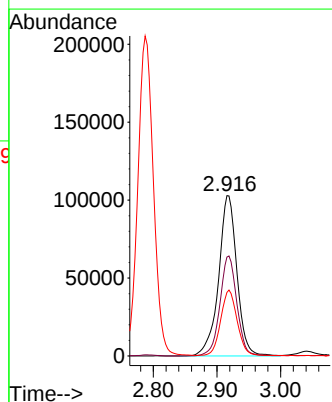
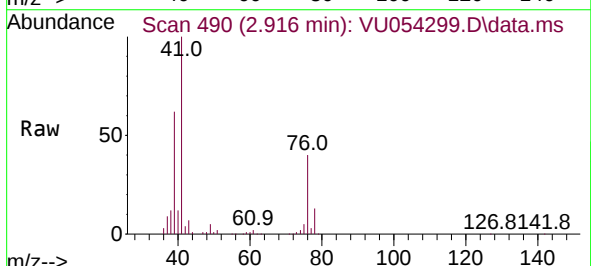
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

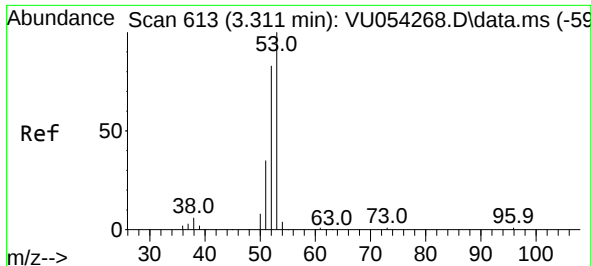
Tgt Ion: 56 Resp: 157587
Ion Ratio Lower Upper
56 100
55 68.9 56.6 85.0



#14
Allyl chloride
Concen: 54.417 ug/l
RT: 2.916 min Scan# 490
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 41 Resp: 205640
Ion Ratio Lower Upper
41 100
39 57.7 53.4 80.2
76 36.7 33.8 50.6

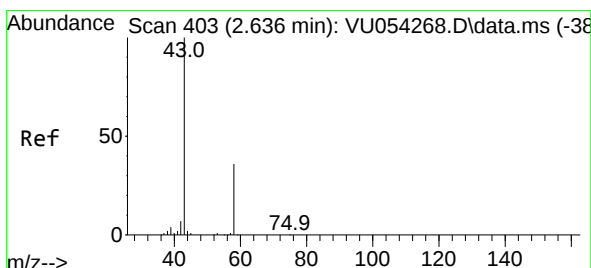
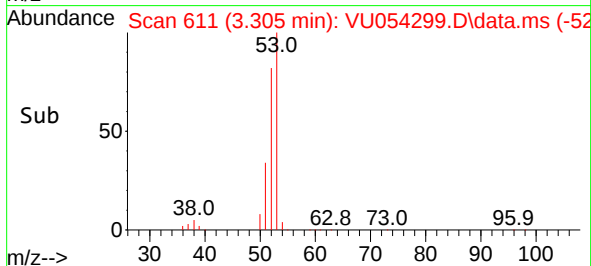
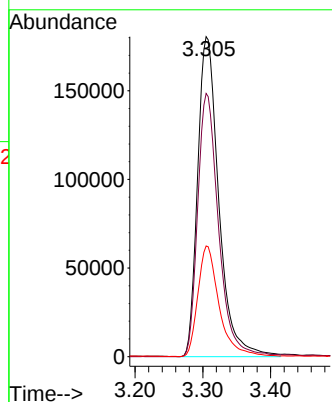
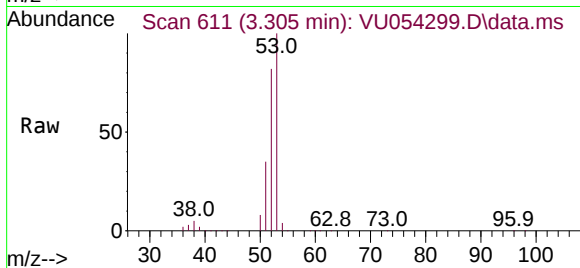




#15
Acrylonitrile
Concen: 243.730 ug/l
RT: 3.305 min Scan# 613
Delta R.T. -0.006 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

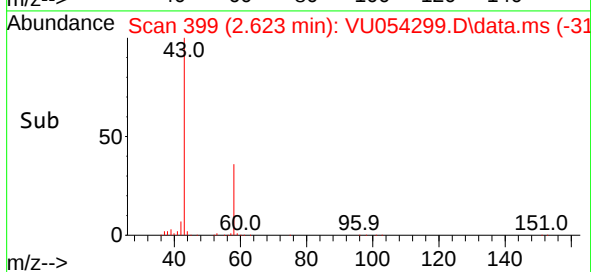
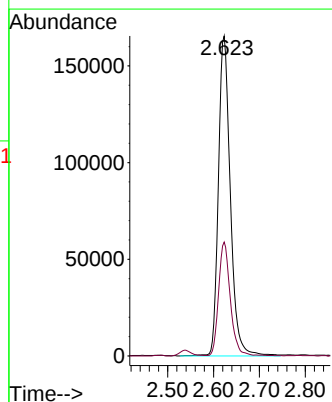
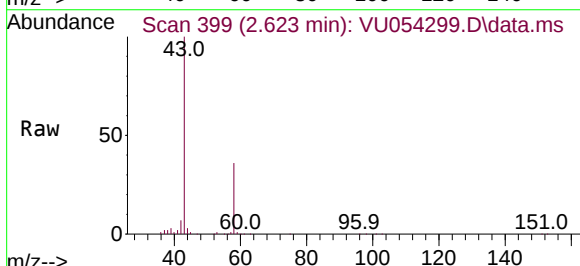
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

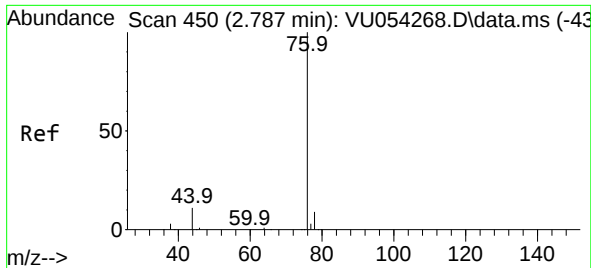
Tgt Ion:	53	Resp:	392081
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.7	98.5
51	34.7	28.2	42.4



#16
Acetone
Concen: 196.616 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion:	43	Resp:	299357
Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.5	41.3

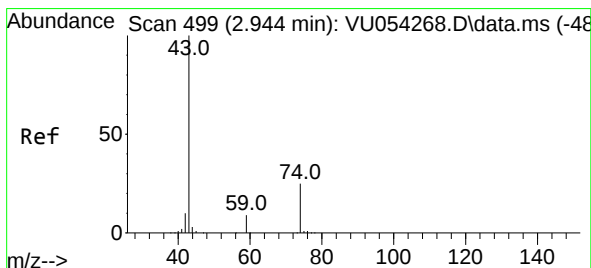
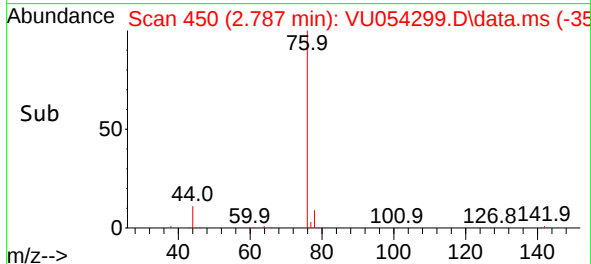
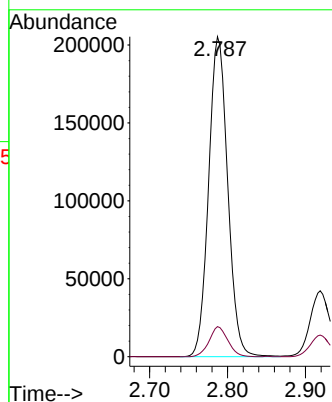
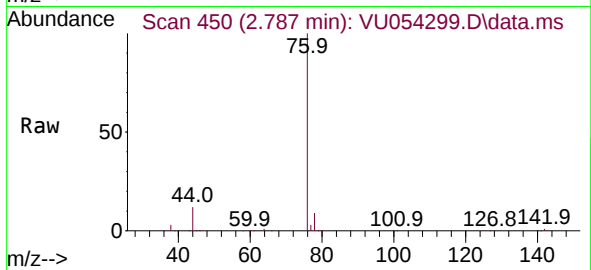




#17
Carbon Disulfide
Concen: 54.175 ug/l
RT: 2.787 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

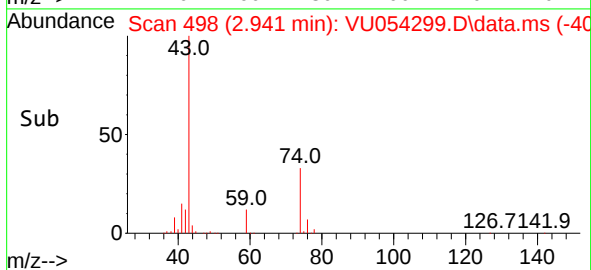
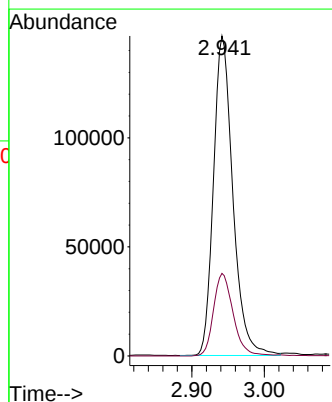
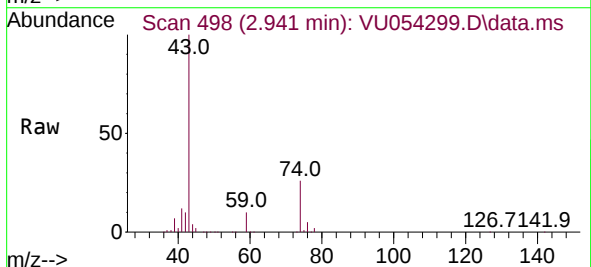
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

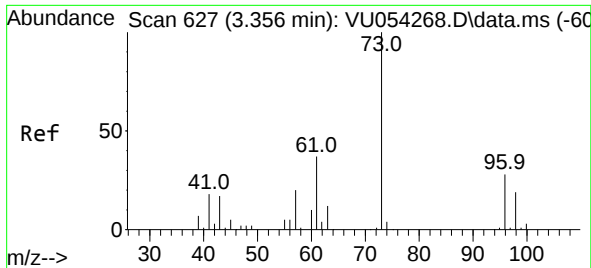
Tgt Ion: 76 Resp: 348951
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 48.919 ug/l
RT: 2.941 min Scan# 498
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 43 Resp: 271955
Ion Ratio Lower Upper
43 100
74 26.2 22.5 33.7

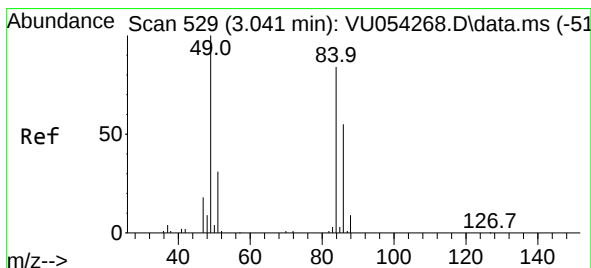
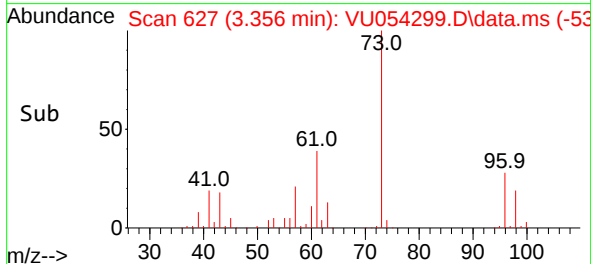
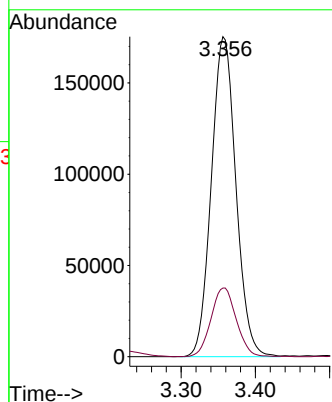
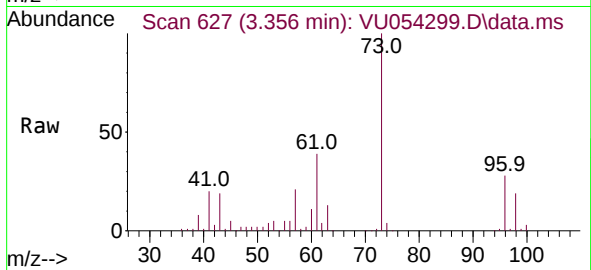




#19
Methyl tert-butyl Ether
Concen: 56.531 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

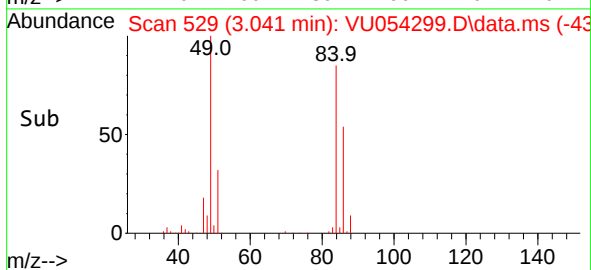
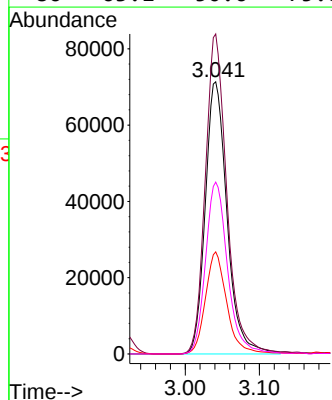
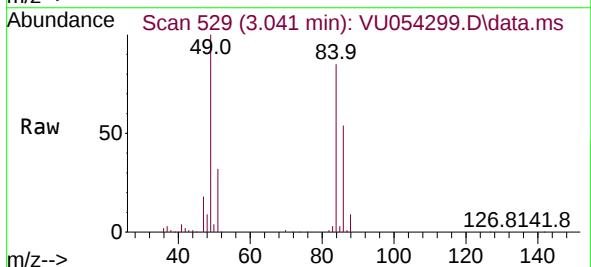
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

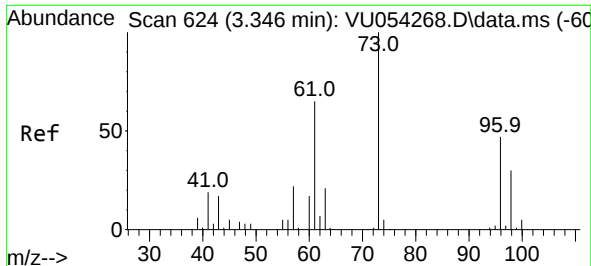
Tgt Ion: 73 Resp: 403309
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7



#20
Methylene Chloride
Concen: 53.032 ug/l
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

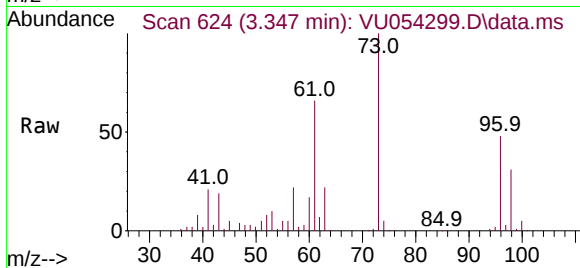
Tgt Ion: 84 Resp: 145667
Ion Ratio Lower Upper
84 100
49 117.6 86.6 129.8
51 37.5 26.6 40.0
86 63.1 50.6 75.8



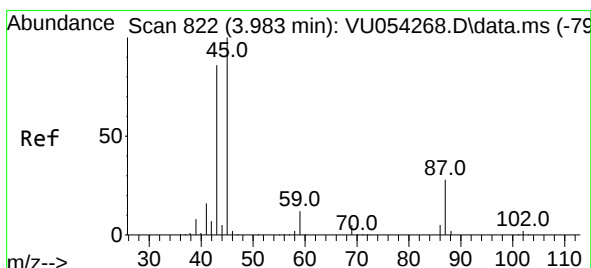
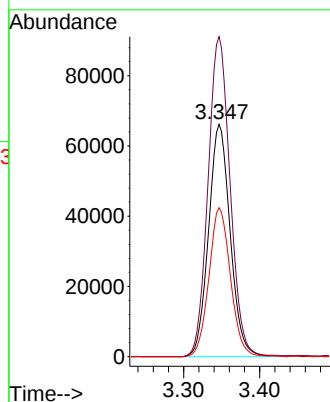
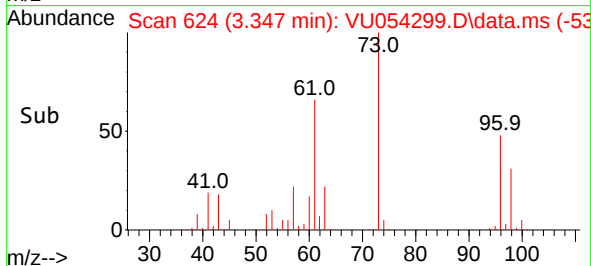


#21
trans-1,2-Dichloroethene
Concen: 56.108 ug/l
RT: 3.347 min Scan# 61
Delta R.T. 0.001 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

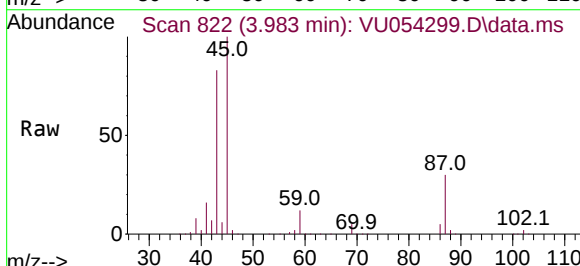
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD



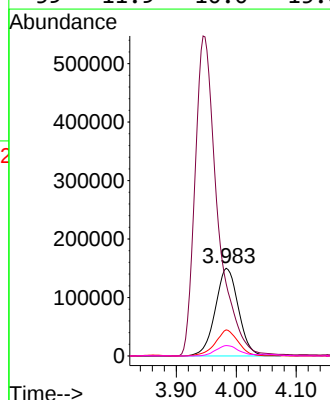
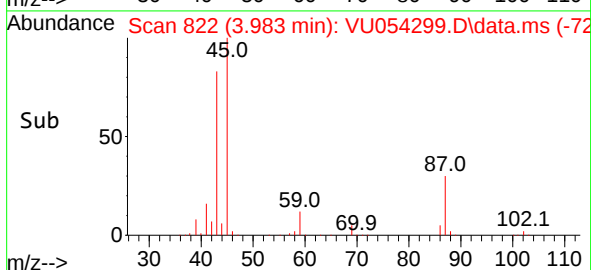
Tgt Ion: 96 Resp: 130924
Ion Ratio Lower Upper
96 100
61 137.7 106.1 159.1
98 64.1 50.8 76.2

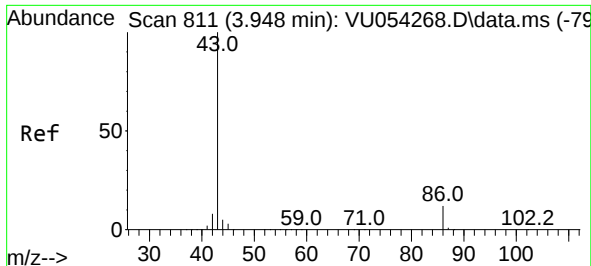


#22
Diisopropyl ether
Concen: 60.031 ug/l
RT: 3.983 min Scan# 822
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34



Tgt Ion: 45 Resp: 402082
Ion Ratio Lower Upper
45 100
43 82.0 92.9 139.3#
87 29.7 26.2 39.2
59 11.9 10.0 15.0

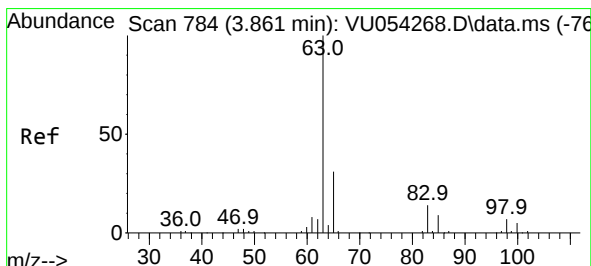
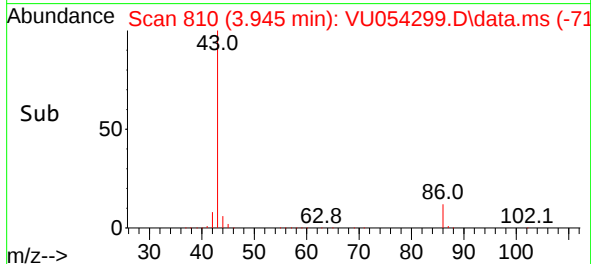
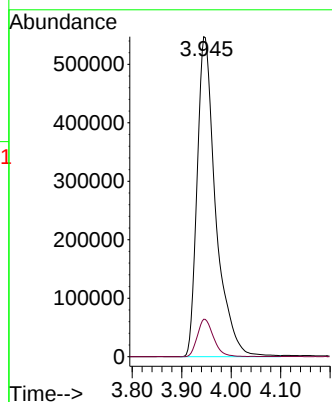
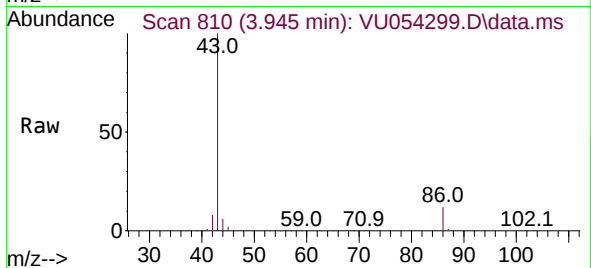




#23
 Vinyl Acetate
 Concen: 293.055 ug/l
 RT: 3.945 min Scan# 811
 Delta R.T. -0.003 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

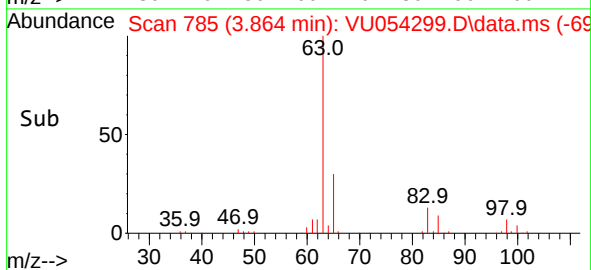
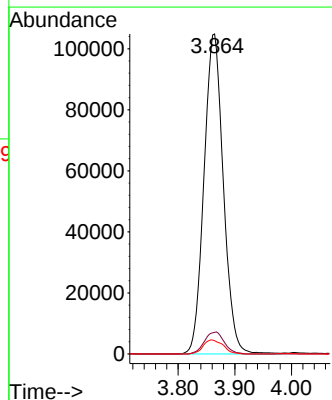
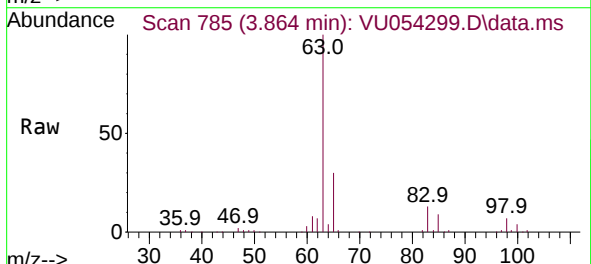
Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524MSD

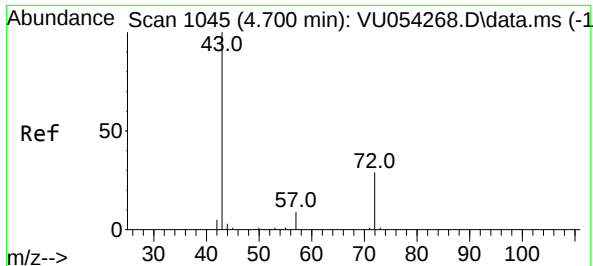
Tgt Ion: 43 Resp: 1432281
 Ion Ratio Lower Upper
 43 100
 86 11.7 9.8 14.8



#24
 1,1-Dichloroethane
 Concen: 58.077 ug/l
 RT: 3.864 min Scan# 785
 Delta R.T. 0.003 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

Tgt Ion: 63 Resp: 249083
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.6 10.9
 100 4.1 2.4 7.2





#25

2-Butanone

Concen: 234.174 ug/l

RT: 4.694 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

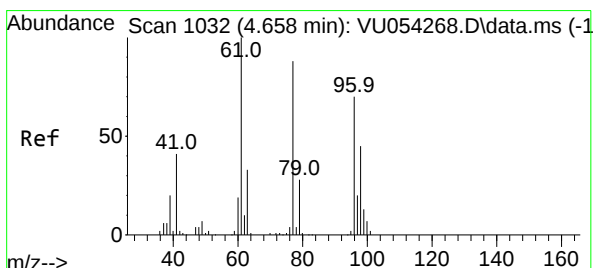
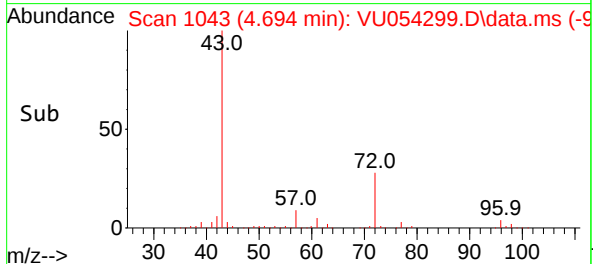
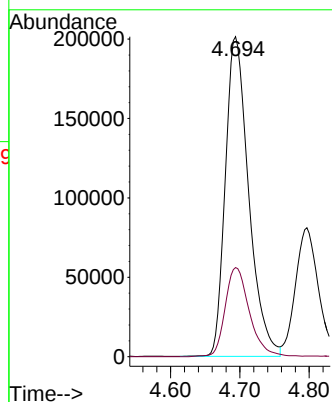
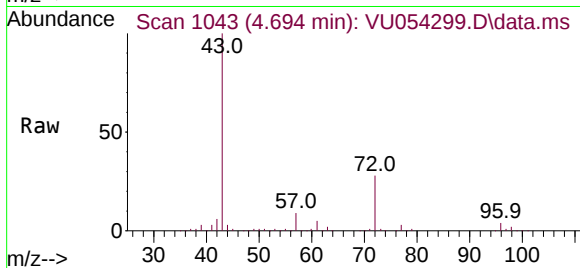
56BR-20230524MSD

Tgt Ion: 43 Resp: 472061

Ion Ratio Lower Upper

43 100

72 27.9 23.8 35.6



#26

2,2-Dichloropropane

Concen: 49.164 ug/l

RT: 4.655 min Scan# 1031

Delta R.T. -0.003 min

Lab File: VU054299.D

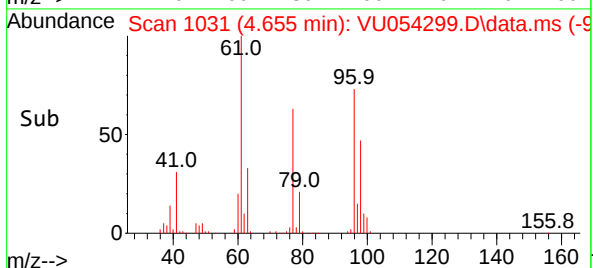
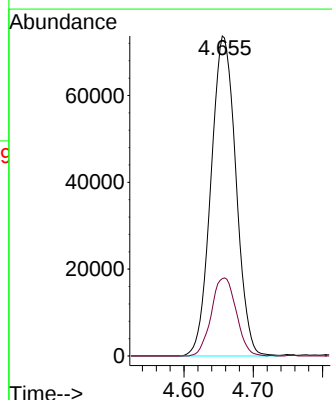
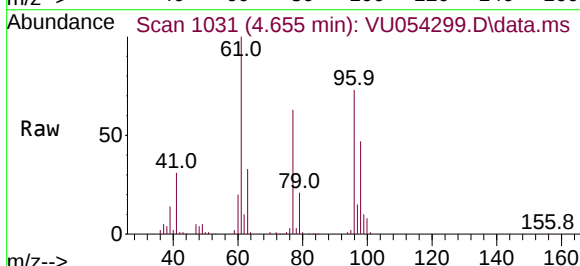
Acq: 26 May 2023 20:34

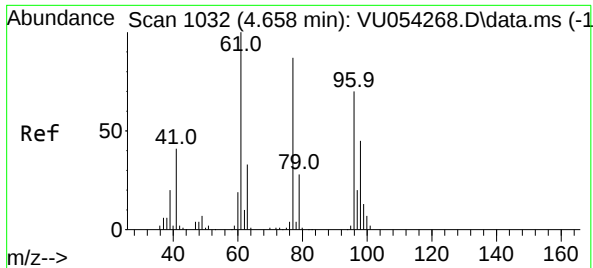
Tgt Ion: 77 Resp: 184269

Ion Ratio Lower Upper

77 100

97 24.3 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 76.236 ug/l

RT: 4.658 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

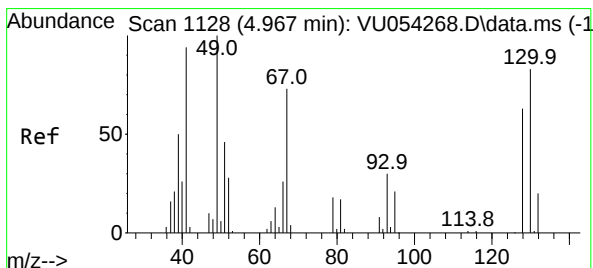
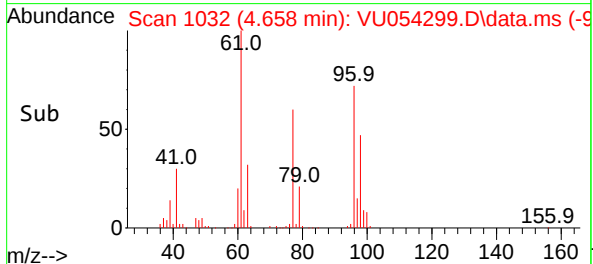
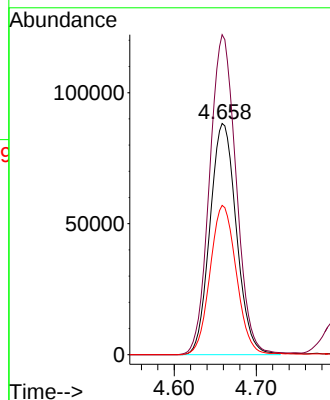
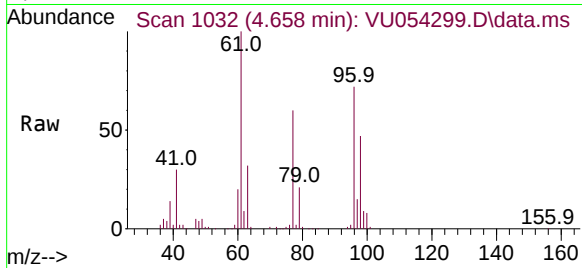
Tgt Ion: 96 Resp: 197891

Ion Ratio Lower Upper

96 100

61 139.1 0.0 271.6

98 64.0 0.0 128.2



#28

Bromochloromethane

Concen: 57.092 ug/l

RT: 4.964 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

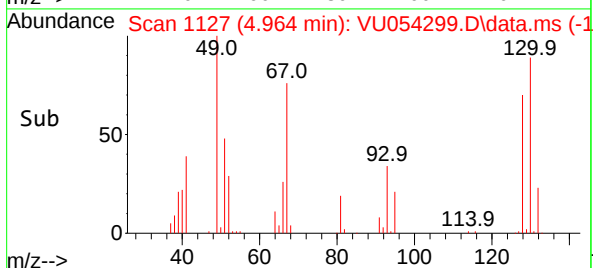
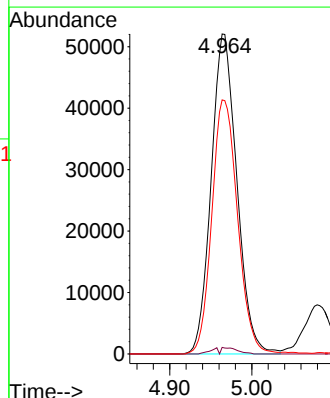
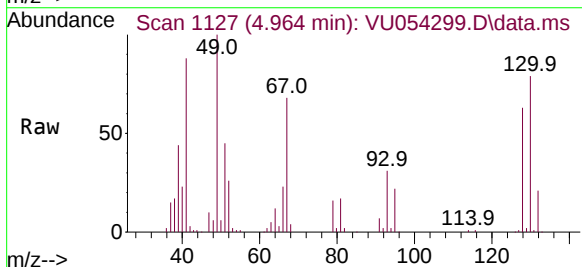
Tgt Ion: 49 Resp: 113309

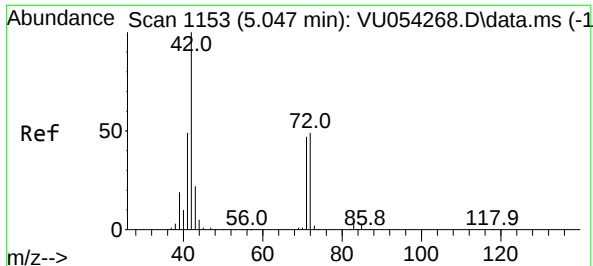
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.6

130 79.5 76.9 115.3





#29

Tetrahydrofuran

Concen: 243.944 ug/l

RT: 5.041 min Scan# 1151

Delta R.T. -0.006 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

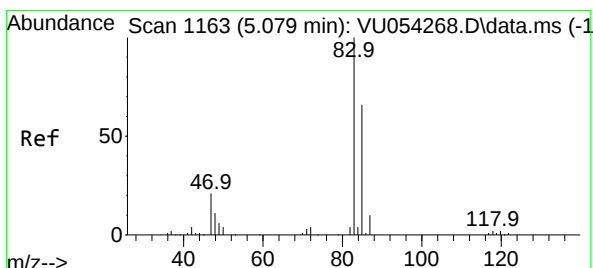
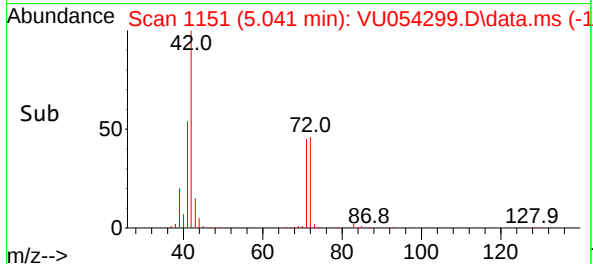
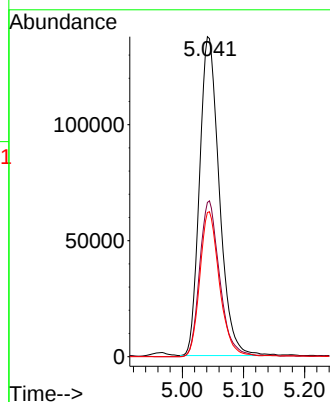
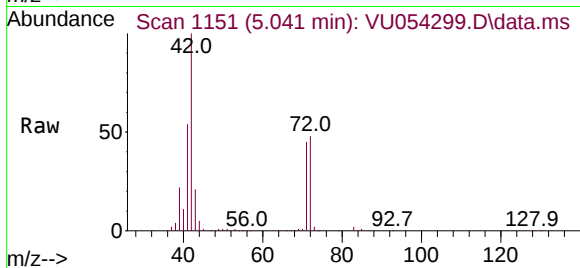
Tgt Ion: 42 Resp: 309107

Ion Ratio Lower Upper

42 100

72 49.4 42.6 63.8

71 45.1 40.3 60.5



#30

Chloroform

Concen: 56.511 ug/l

RT: 5.083 min Scan# 1164

Delta R.T. 0.004 min

Lab File: VU054299.D

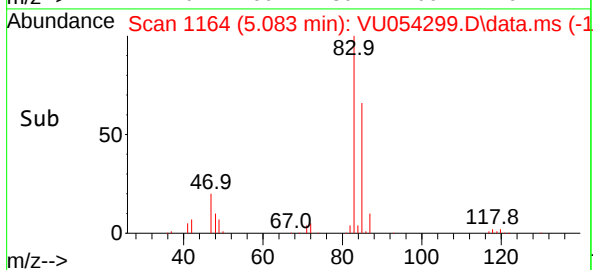
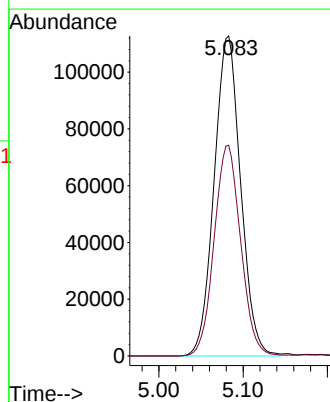
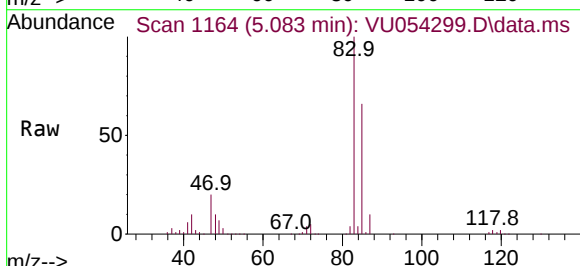
Acq: 26 May 2023 20:34

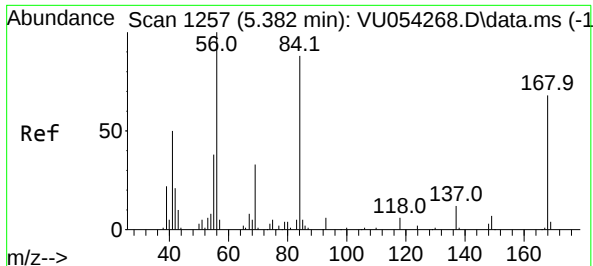
Tgt Ion: 83 Resp: 246369

Ion Ratio Lower Upper

83 100

85 65.8 51.2 76.8





#31

Cyclohexane

Concen: 54.083 ug/l

RT: 5.382 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

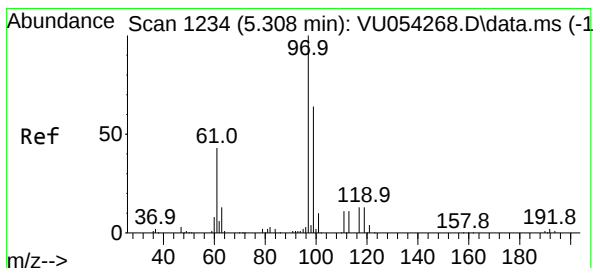
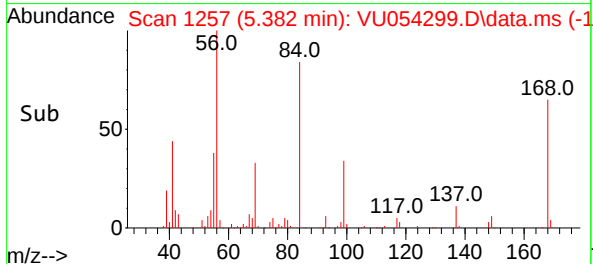
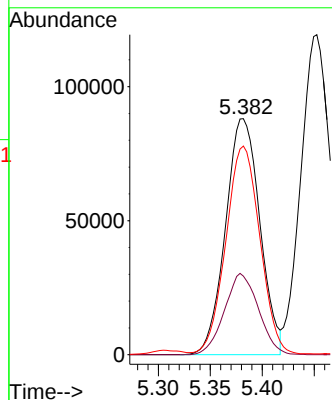
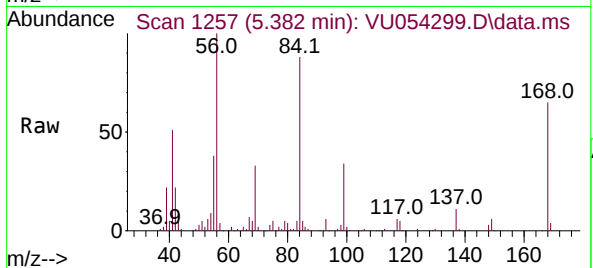
Tgt Ion: 56 Resp: 202843

Ion Ratio Lower Upper

56 100

69 33.3 27.8 41.8

84 87.0 74.2 111.4



#32

1,1,1-Trichloroethane

Concen: 56.702 ug/l

RT: 5.308 min Scan# 1234

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

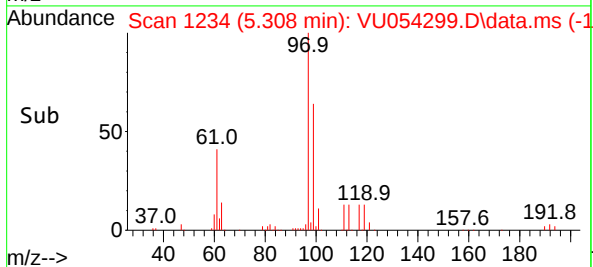
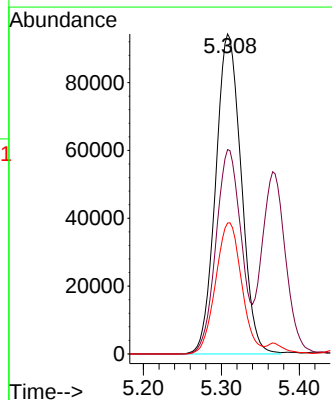
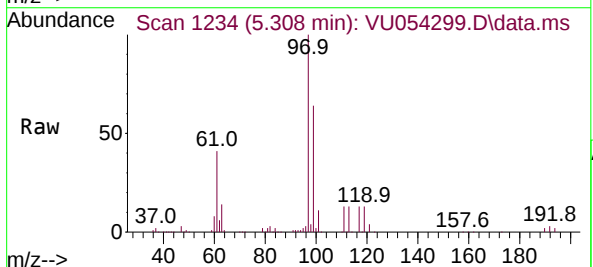
Tgt Ion: 97 Resp: 214612

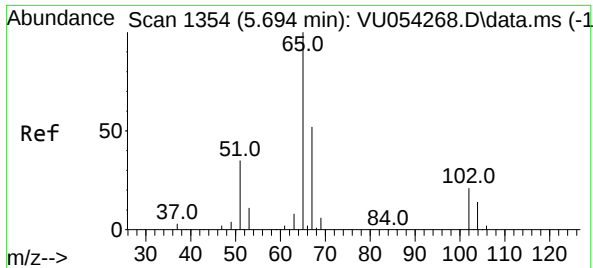
Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.6

61 42.1 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 53.551 ug/l

RT: 5.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

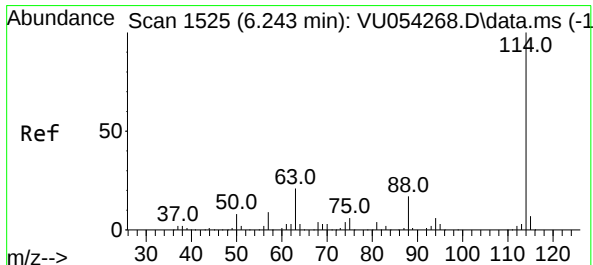
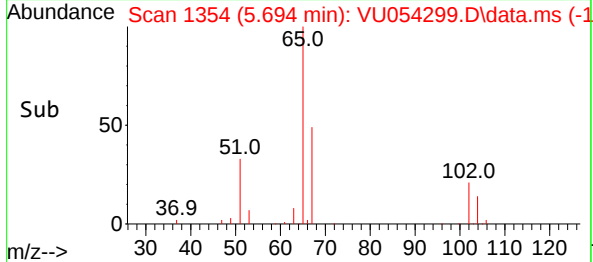
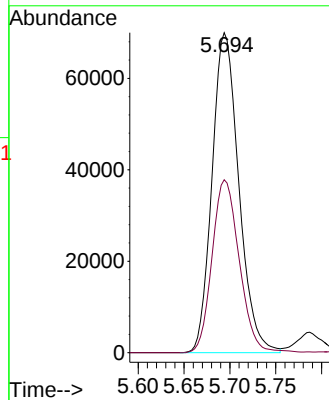
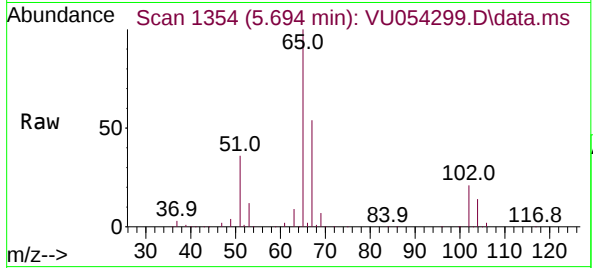
56BR-20230524MSD

Tgt Ion: 65 Resp: 142240

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1525

Delta R.T. 0.001 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

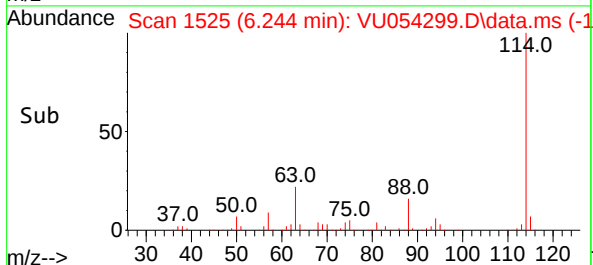
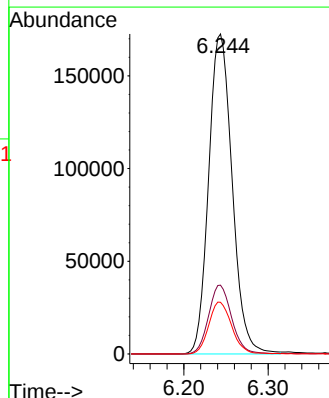
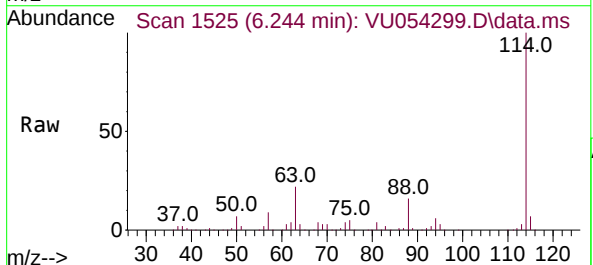
Tgt Ion:114 Resp: 334788

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 16.1 0.0 29.2

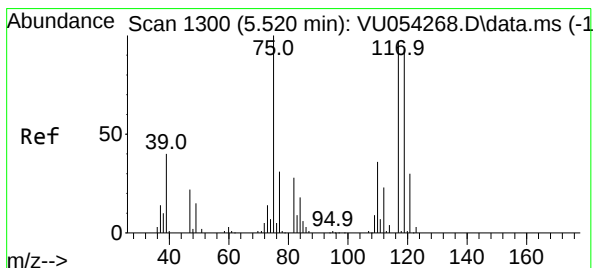
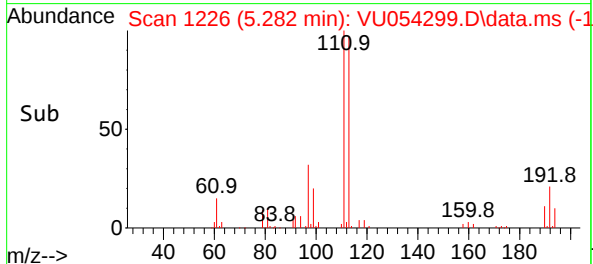
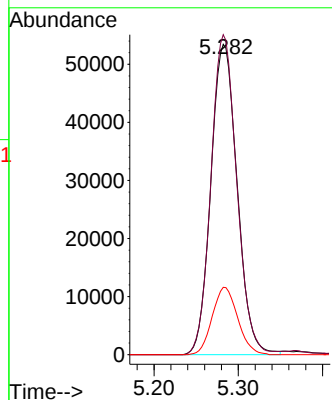
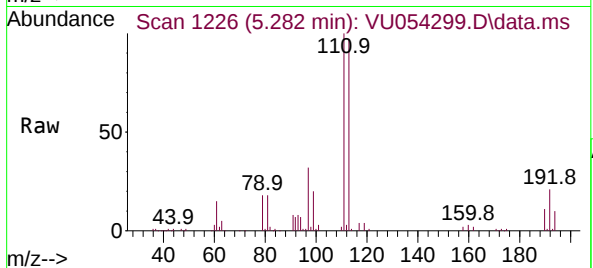




#35
Dibromofluoromethane
Concen: 53.740 ug/l
RT: 5.282 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

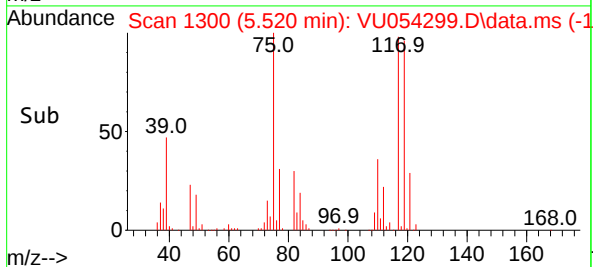
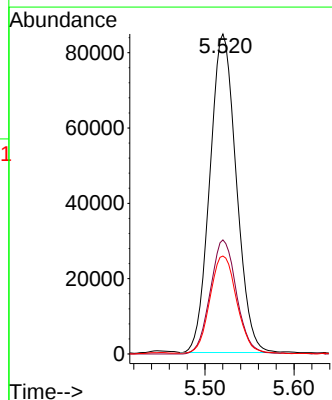
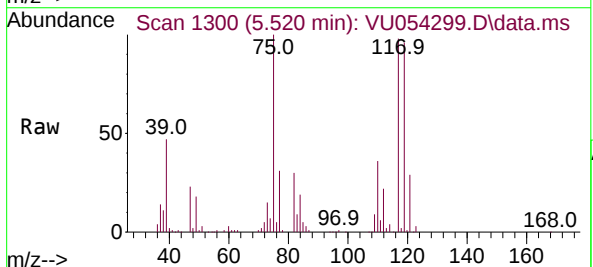
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

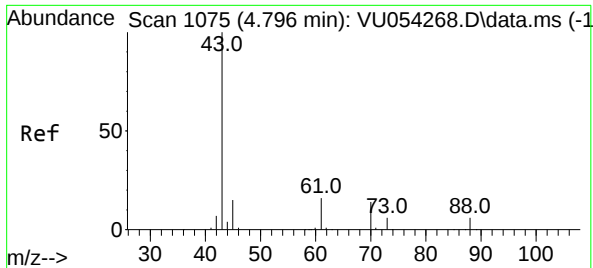
Tgt Ion:113 Resp: 115862
Ion Ratio Lower Upper
113 100
111 101.1 82.1 123.1
192 21.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 51.436 ug/l
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 75 Resp: 174177
Ion Ratio Lower Upper
75 100
110 35.6 18.4 55.2
77 31.2 25.1 37.7

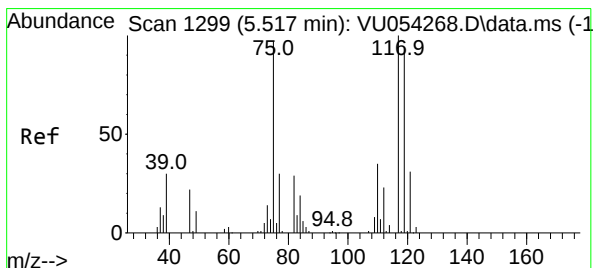
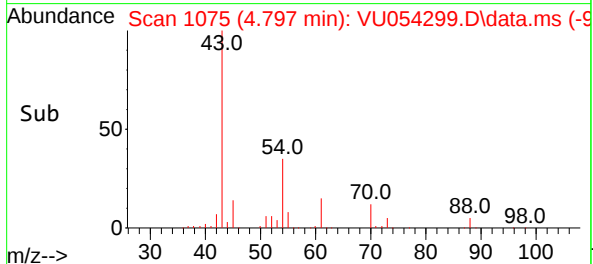
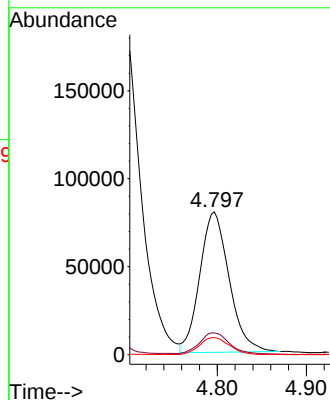
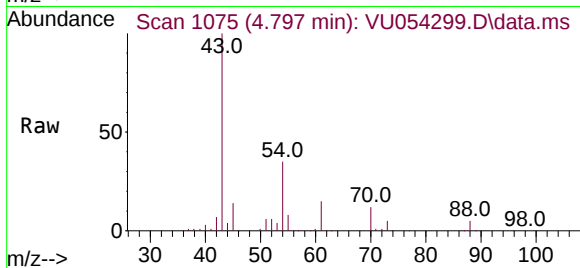




#37
Ethyl Acetate
Concen: 44.282 ug/l
RT: 4.797 min Scan# 1075
Delta R.T. 0.001 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

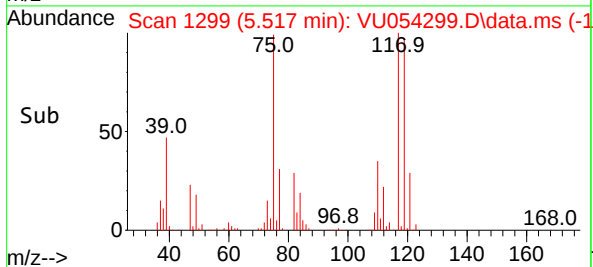
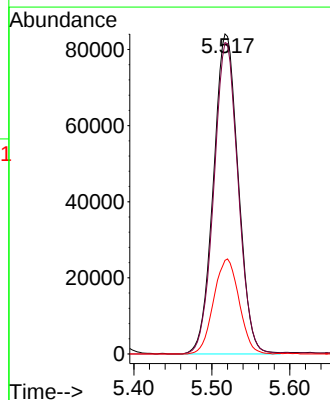
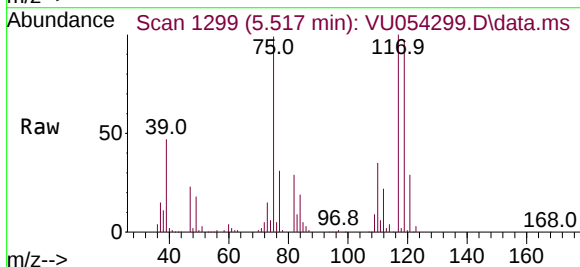
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

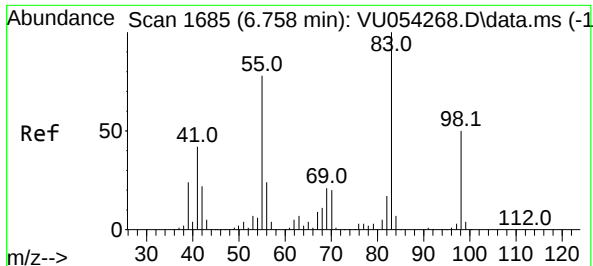
Tgt Ion: 43 Resp: 182748
Ion Ratio Lower Upper
43 100
61 16.3 9.5 14.3#
70 12.1 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 53.672 ug/l
RT: 5.517 min Scan# 1299
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 117 Resp: 186028
Ion Ratio Lower Upper
117 100
119 97.3 76.8 115.2
121 29.2 24.7 37.1





#39

Methylcyclohexane

Concen: 52.351 ug/l

RT: 6.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

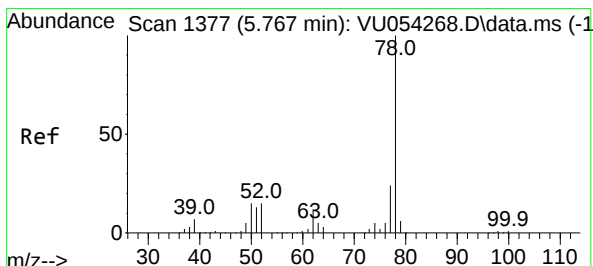
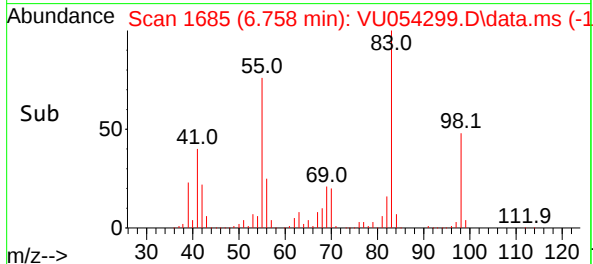
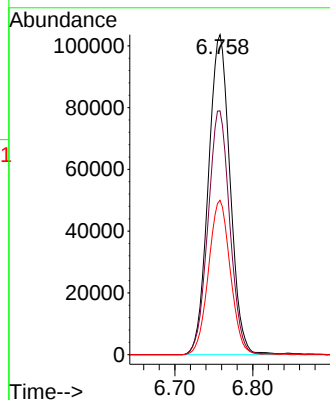
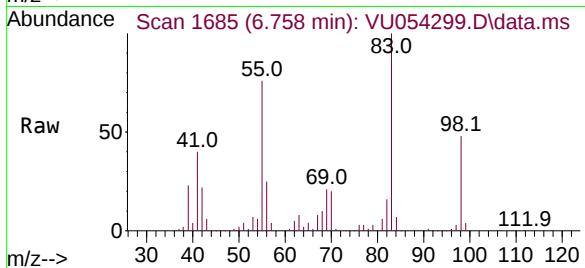
Tgt Ion: 83 Resp: 200794

Ion Ratio Lower Upper

83 100

55 76.2 55.3 82.9

98 48.2 37.3 55.9



#40

Benzene

Concen: 55.826 ug/l

RT: 5.768 min Scan# 1377

Delta R.T. 0.001 min

Lab File: VU054299.D

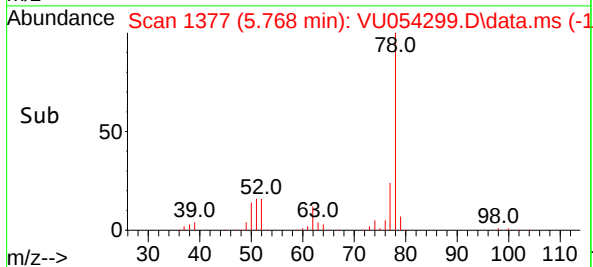
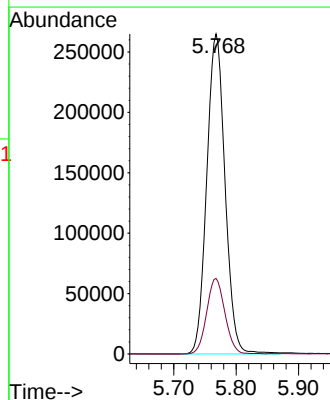
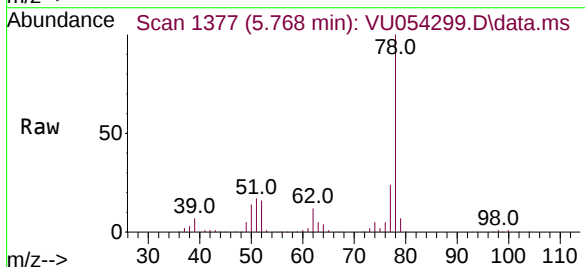
Acq: 26 May 2023 20:34

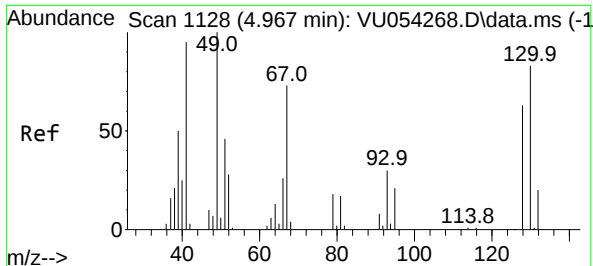
Tgt Ion: 78 Resp: 539225

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2

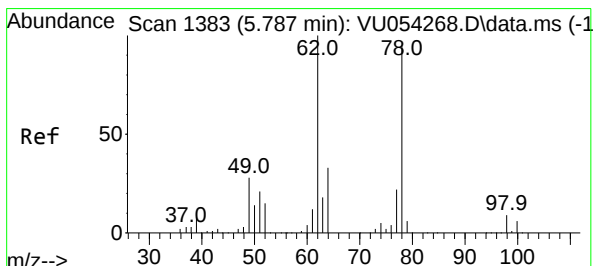
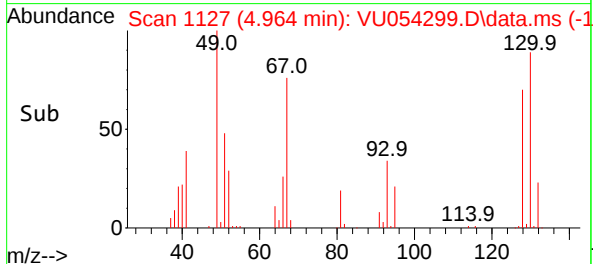
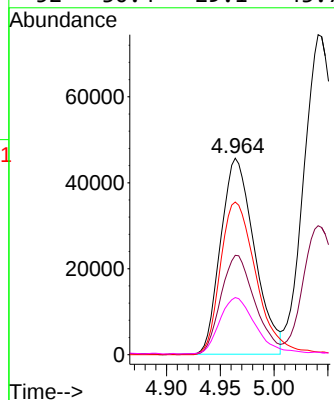
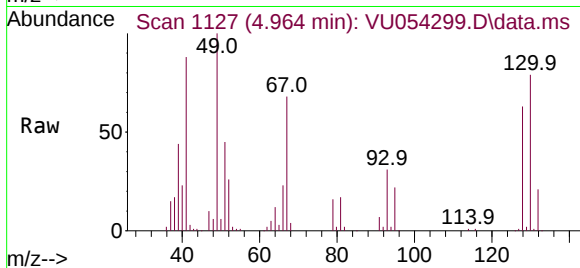




#41
Methacrylonitrile
Concen: 52.217 ug/l
RT: 4.964 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

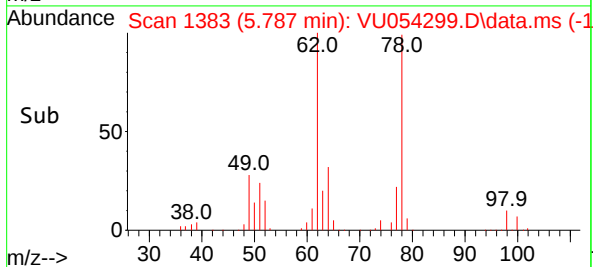
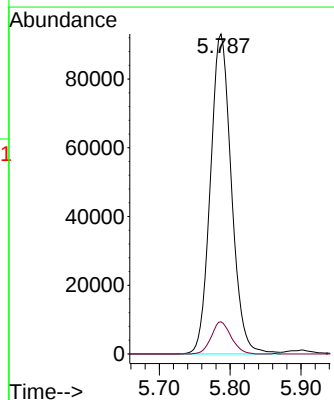
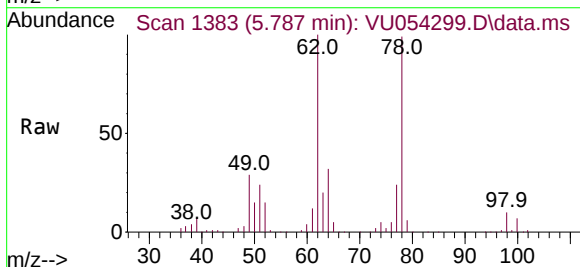
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

Tgt Ion:	41	Resp:	99595
Ion	Ratio	Lower	Upper
41	100		
39	51.2	43.1	64.7
67	83.4	72.3	108.5
52	30.4	29.1	43.7



#42
1,2-Dichloroethane
Concen: 54.660 ug/l
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion:	62	Resp:	191794
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





#43

Isopropyl Acetate

Concen: 50.963 ug/l

RT: 5.903 min Scan# 1419

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

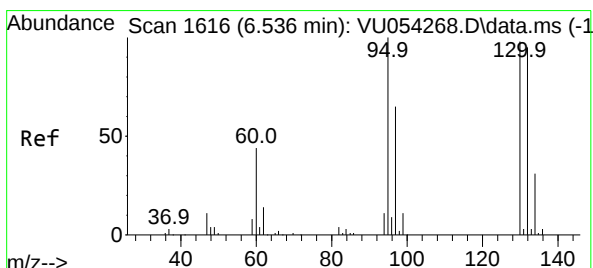
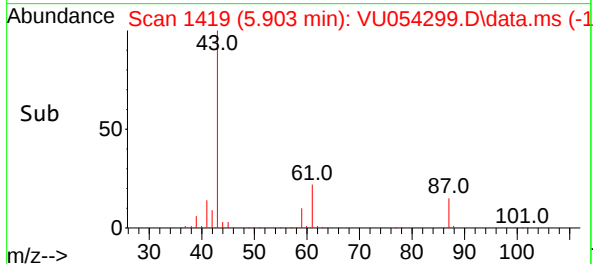
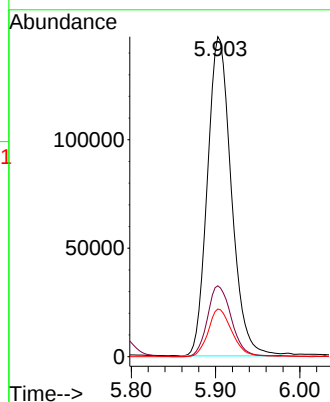
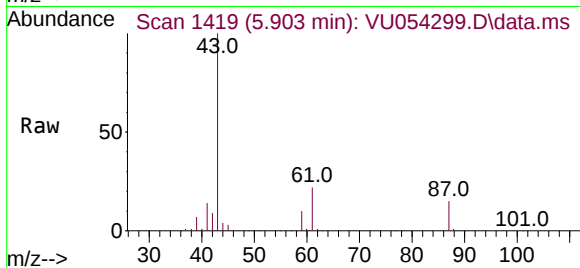
Tgt Ion: 43 Resp: 290108

Ion Ratio Lower Upper

43 100

61 22.3 17.4 26.0

87 14.9 12.6 18.8



#44

Trichloroethene

Concen: 137.167 ug/l

RT: 6.536 min Scan# 1616

Delta R.T. 0.000 min

Lab File: VU054299.D

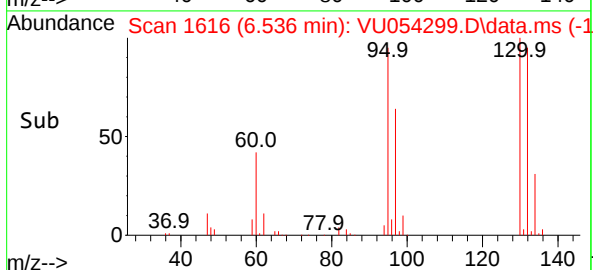
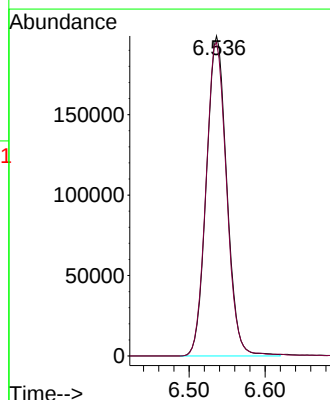
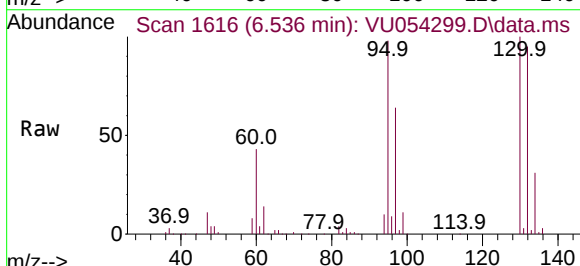
Acq: 26 May 2023 20:34

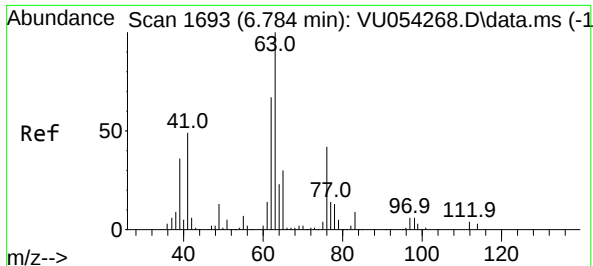
Tgt Ion:130 Resp: 370360

Ion Ratio Lower Upper

130 100

95 98.0 0.0 184.6





#45

1,2-Dichloropropane

Concen: 56.240 ug/l

RT: 6.784 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

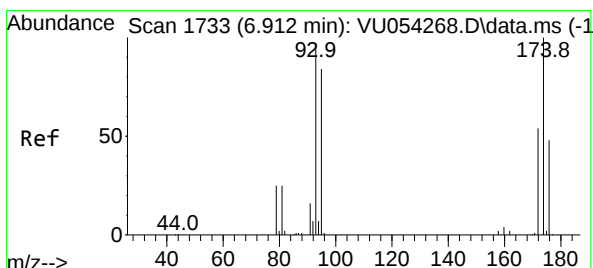
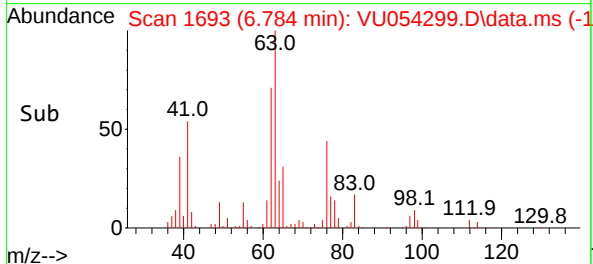
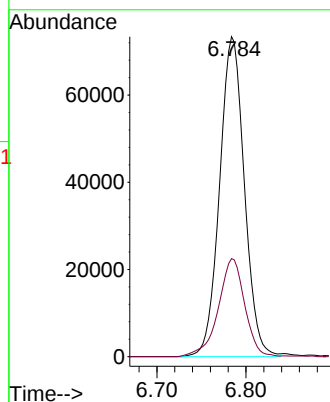
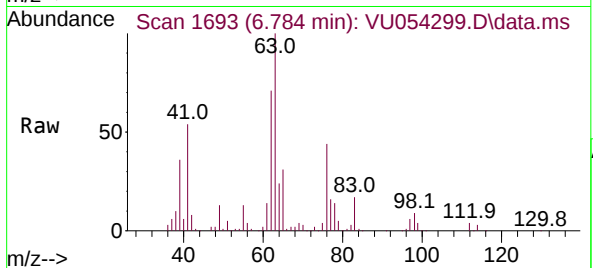
56BR-20230524MSD

Tgt Ion: 63 Resp: 141713

Ion Ratio Lower Upper

63 100

65 30.5 25.0 37.4



#46

Dibromomethane

Concen: 54.127 ug/l

RT: 6.912 min Scan# 1733

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

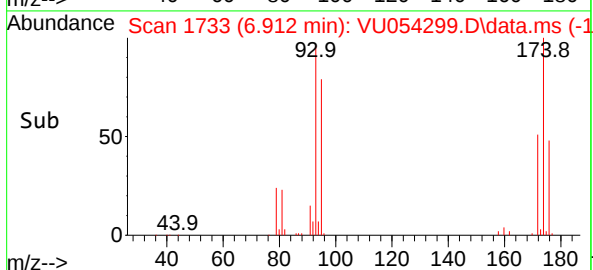
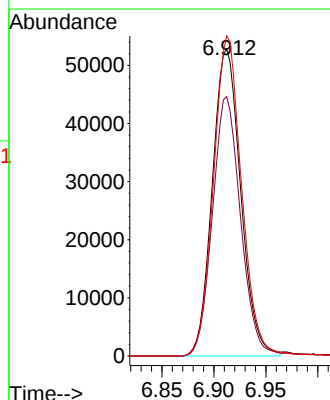
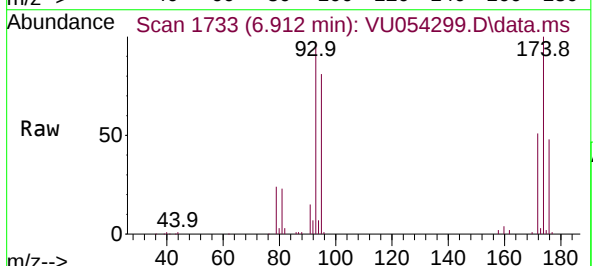
Tgt Ion: 93 Resp: 100395

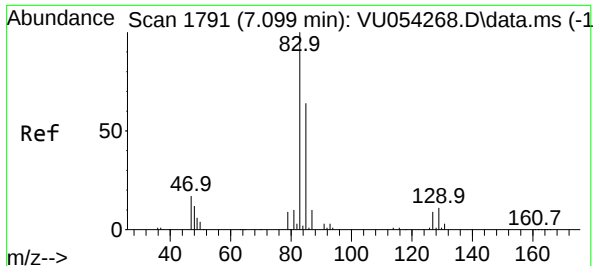
Ion Ratio Lower Upper

93 100

95 84.2 66.3 99.5

174 102.9 88.2 132.4





#47

Bromodichloromethane

Concen: 54.464 ug/l

RT: 7.099 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

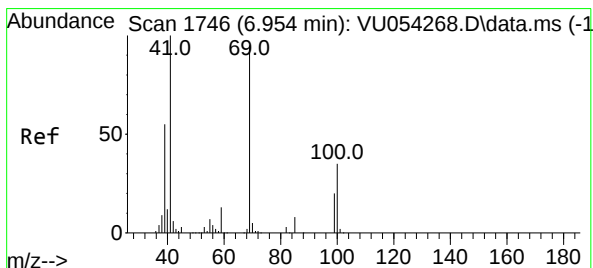
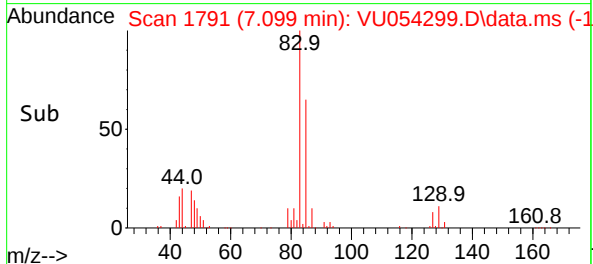
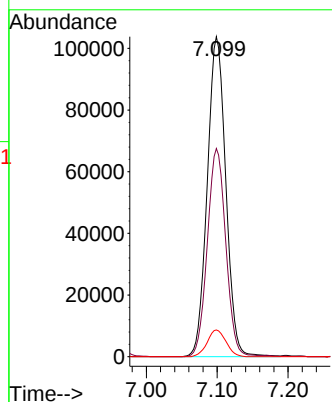
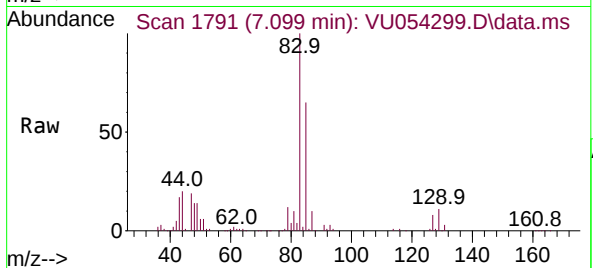
Tgt Ion: 83 Resp: 188921

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2

127 8.3 7.1 10.7



#48

Methyl methacrylate

Concen: 54.737 ug/l

RT: 6.954 min Scan# 1746

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

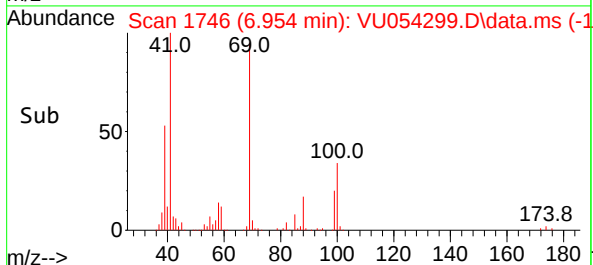
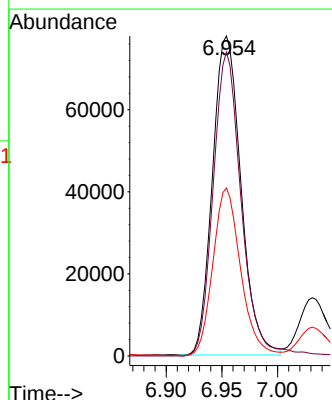
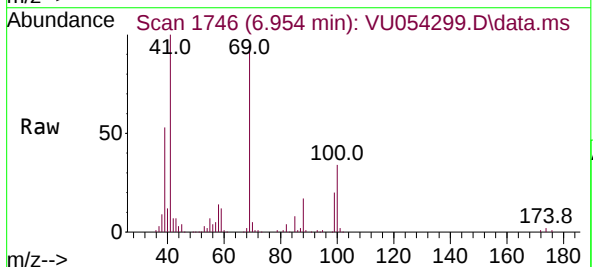
Tgt Ion: 41 Resp: 138181

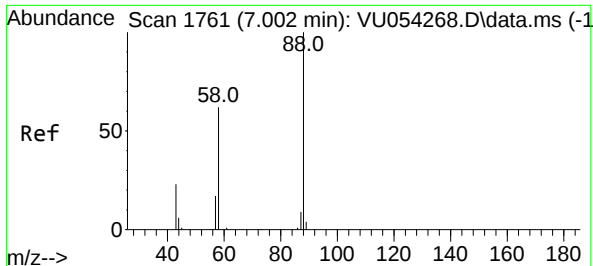
Ion Ratio Lower Upper

41 100

69 94.3 79.8 119.6

39 51.4 47.9 71.9





#49

1,4-Dioxane

Concen: 870.261 ug/l

RT: 6.970 min Scan# 1

Delta R.T. -0.032 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

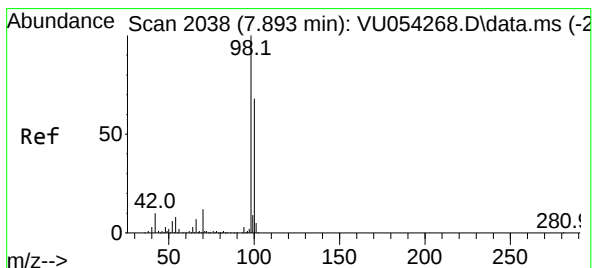
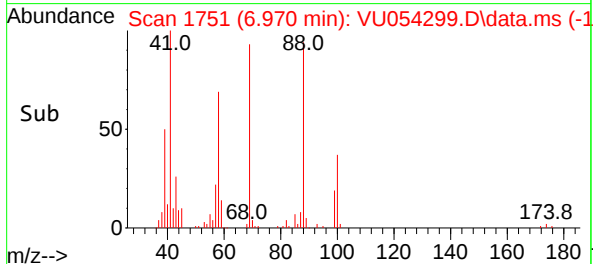
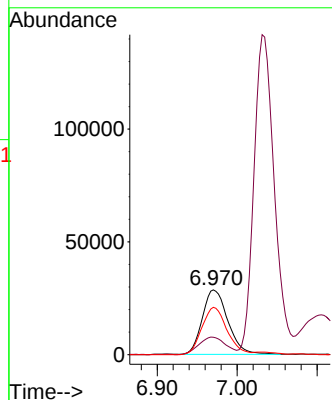
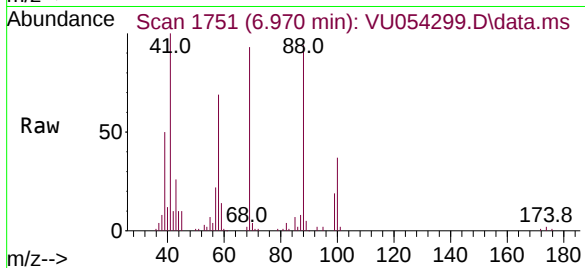
Tgt Ion: 88 Resp: 63424

Ion Ratio Lower Upper

88 100

43 28.8 0.0 0.0#

58 72.4 15.4 23.0#



#50

Toluene-d8

Concen: 51.856 ug/l

RT: 7.893 min Scan# 2038

Delta R.T. -0.000 min

Lab File: VU054299.D

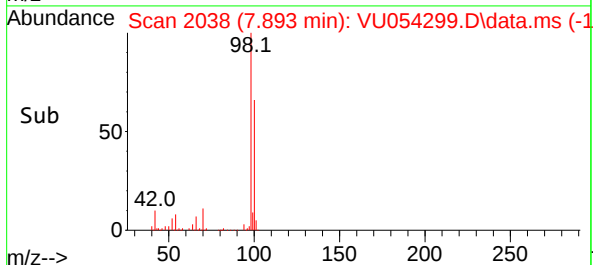
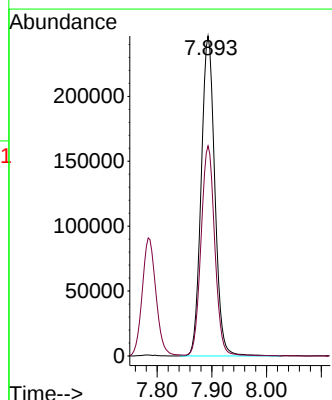
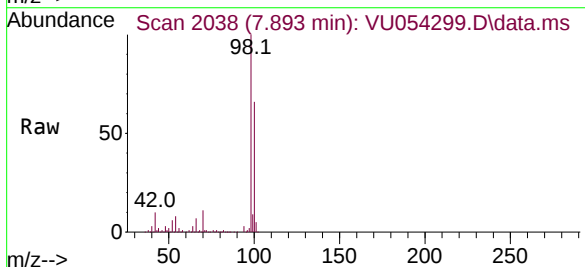
Acq: 26 May 2023 20:34

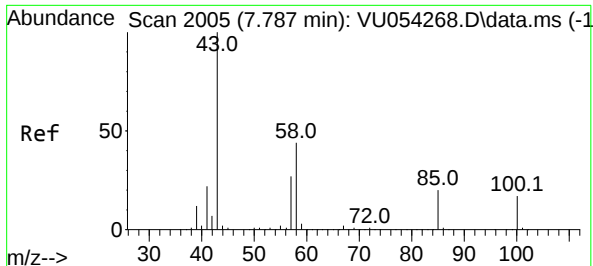
Tgt Ion: 98 Resp: 425247

Ion Ratio Lower Upper

98 100

100 66.2 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 244.138 ug/l

RT: 7.784 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

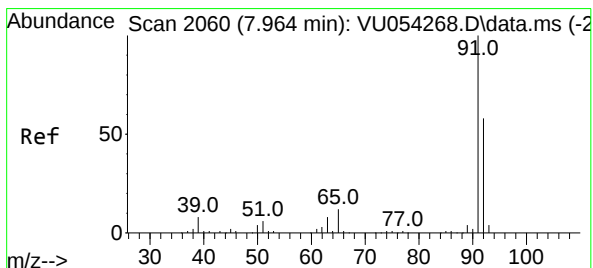
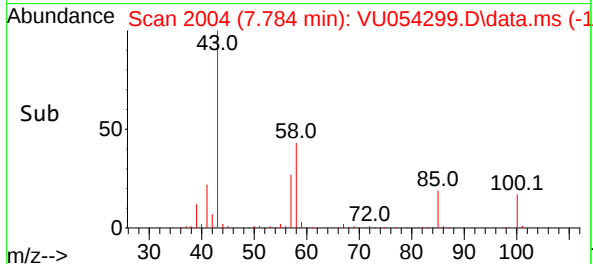
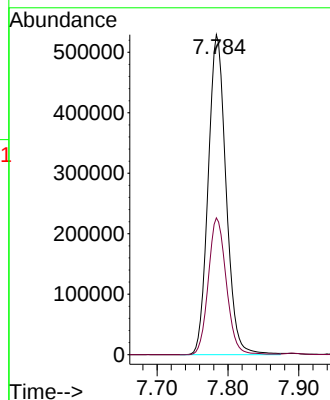
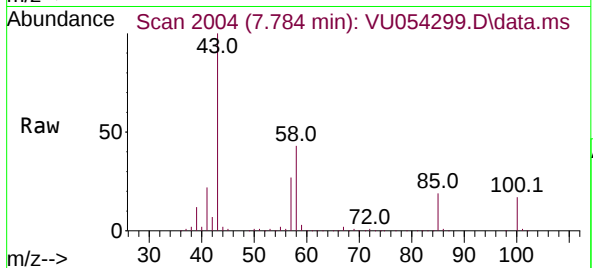
56BR-20230524MSD

Tgt Ion: 43 Resp: 927437

Ion Ratio Lower Upper

43 100

58 43.0 34.7 52.1



#52

Toluene

Concen: 53.385 ug/l

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU054299.D

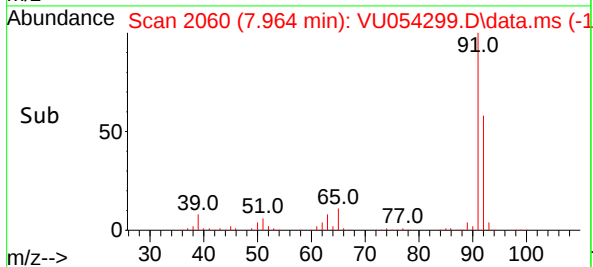
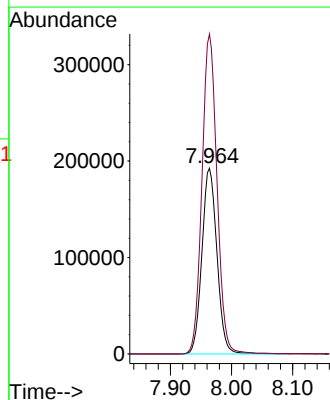
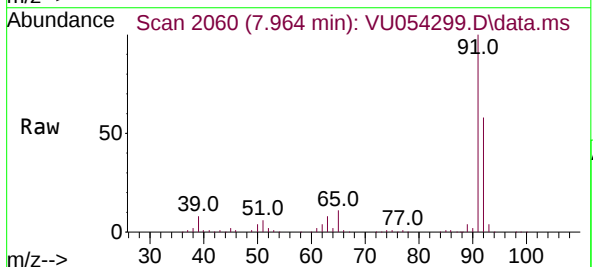
Acq: 26 May 2023 20:34

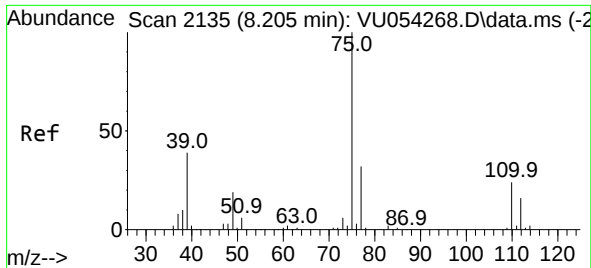
Tgt Ion: 92 Resp: 328797

Ion Ratio Lower Upper

92 100

91 172.3 138.2 207.4

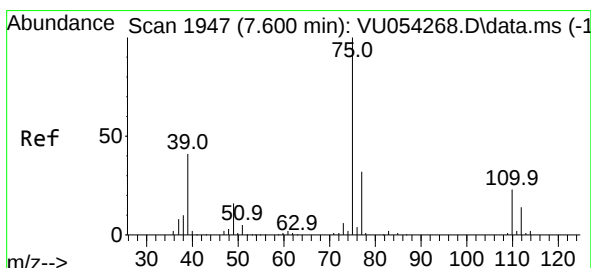
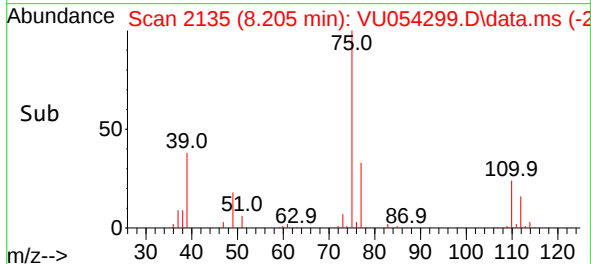
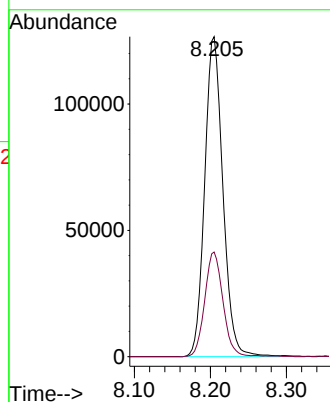
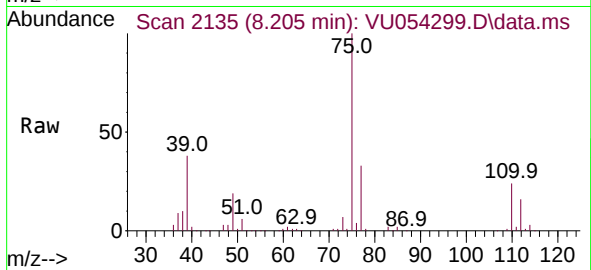




#53
 t-1,3-Dichloropropene
 Concen: 53.068 ug/l
 RT: 8.205 min Scan# 2135
 Delta R.T. -0.000 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

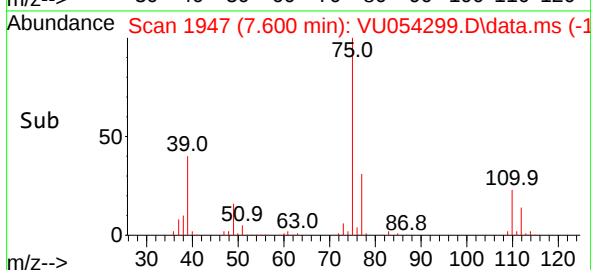
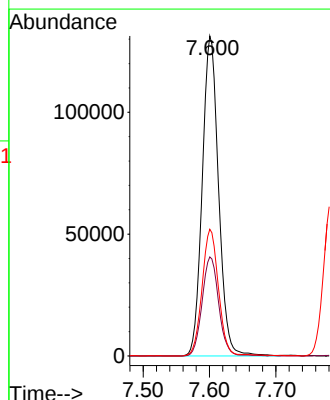
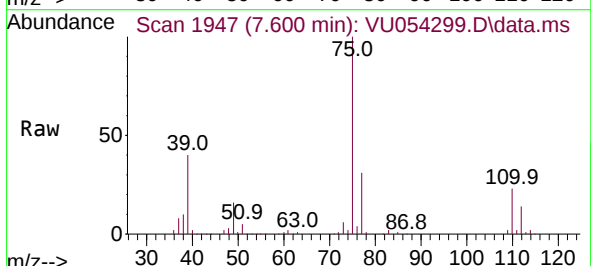
Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524MSD

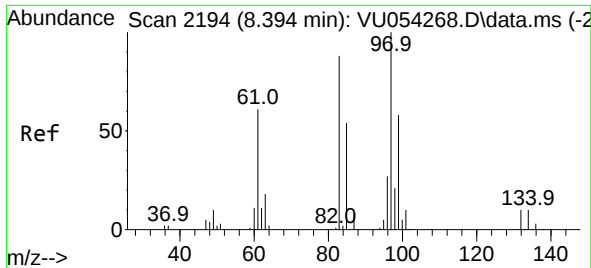
Tgt Ion: 75 Resp: 210601
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 54.142 ug/l
 RT: 7.600 min Scan# 1947
 Delta R.T. 0.000 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

Tgt Ion: 75 Resp: 224227
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.7 38.5
 39 39.6 33.0 49.6

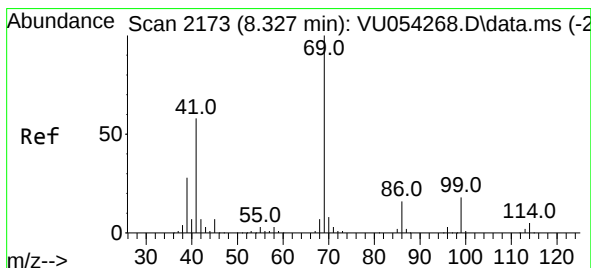
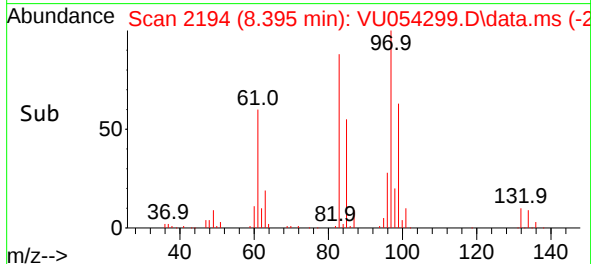
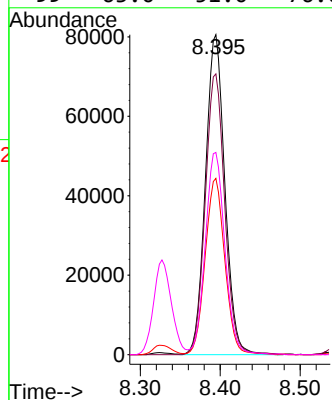
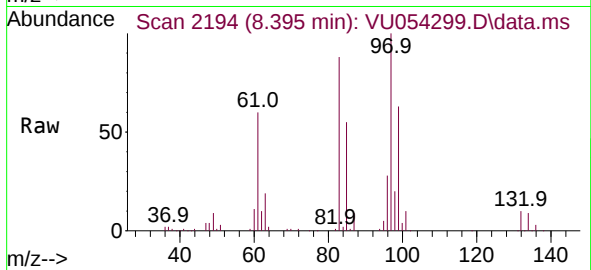




#55
1,1,2-Trichloroethane
Concen: 53.387 ug/l
RT: 8.395 min Scan# 2194
Delta R.T. 0.001 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

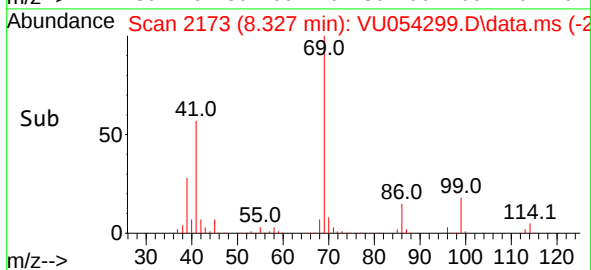
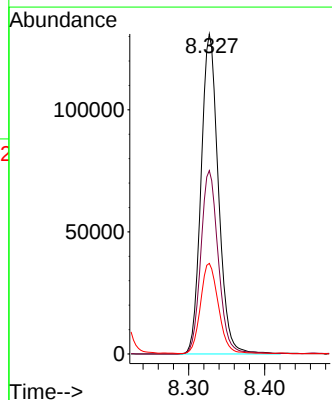
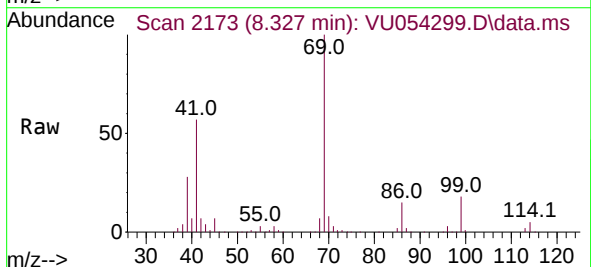
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

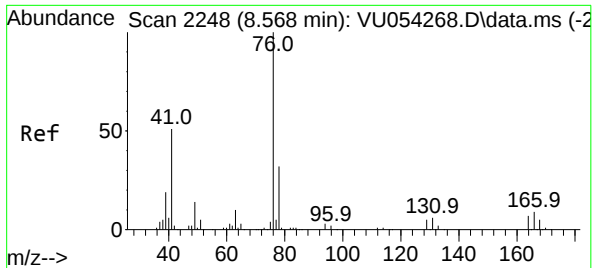
Tgt Ion:	97	Resp:	136265
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.2	105.4
85	55.0	44.6	66.8
99	63.0	51.0	76.6



#56
Ethyl methacrylate
Concen: 54.617 ug/l
RT: 8.327 min Scan# 2173
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion:	69	Resp:	207509
Ion	Ratio	Lower	Upper
69	100		
41	58.3	45.4	68.0
39	29.0	25.7	38.5





#57

1,3-Dichloropropane

Concen: 54.513 ug/l

RT: 8.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

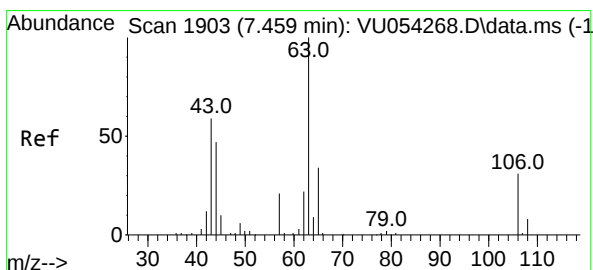
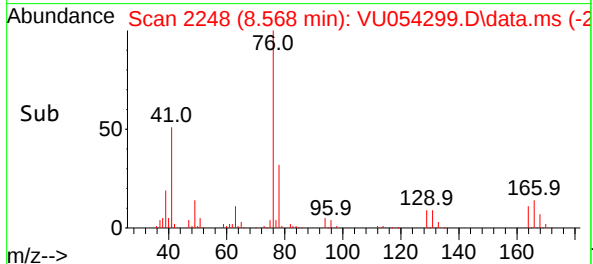
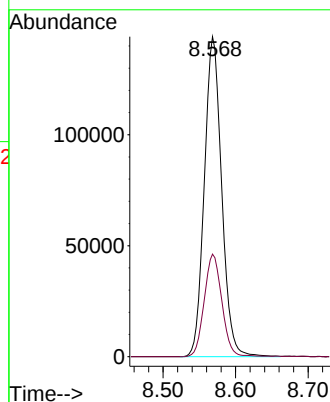
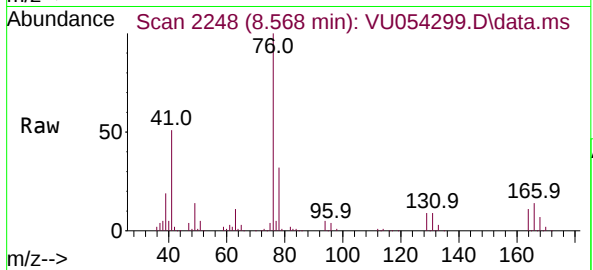
56BR-20230524MSD

Tgt Ion: 76 Resp: 239613

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 146.362 ug/l

RT: 7.459 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VU054299.D

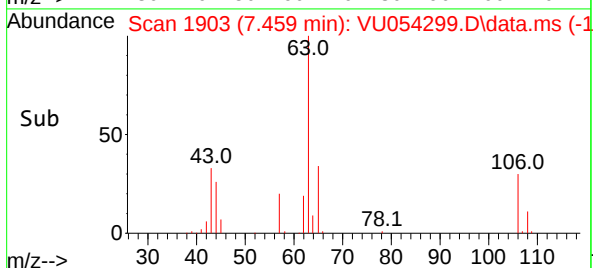
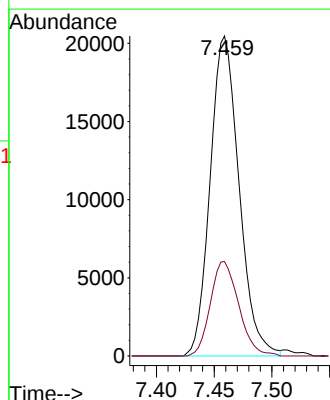
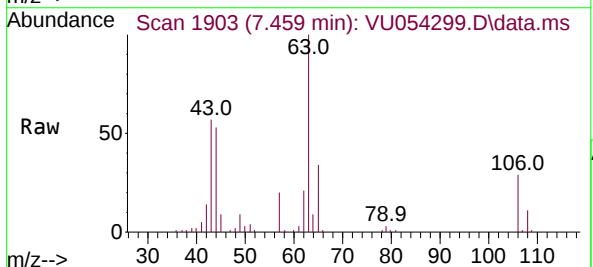
Acq: 26 May 2023 20:34

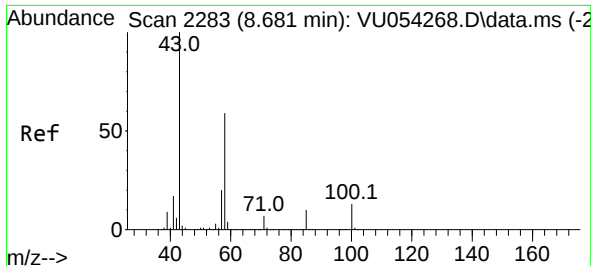
Tgt Ion: 63 Resp: 35653

Ion Ratio Lower Upper

63 100

106 28.9 23.1 34.7

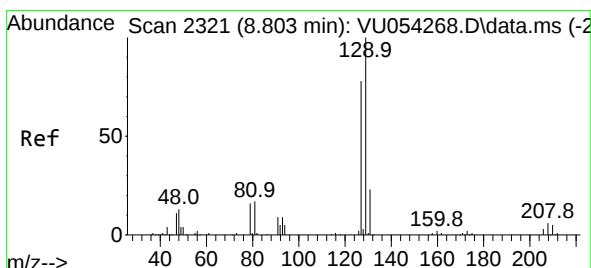
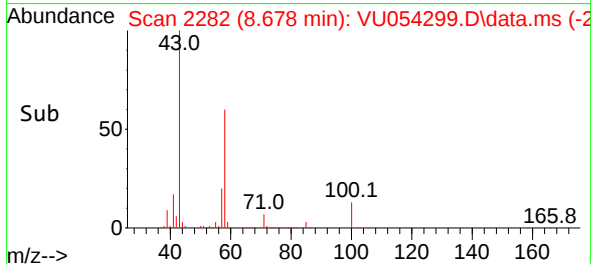
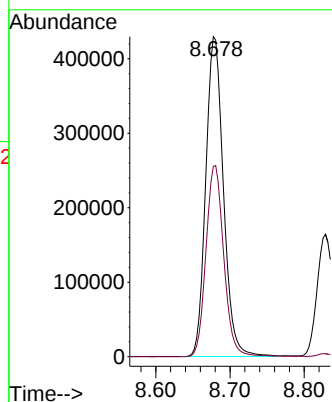
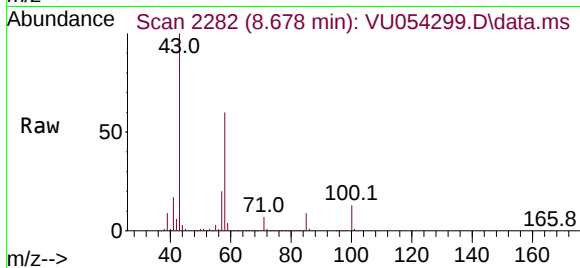




#59
2-Hexanone
Concen: 236.693 ug/l
RT: 8.678 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

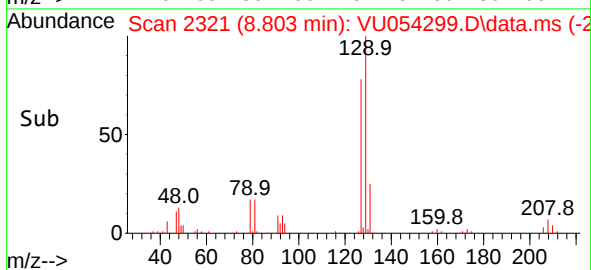
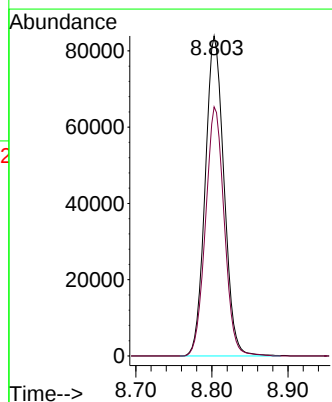
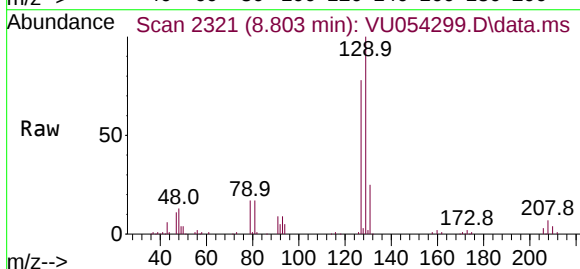
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

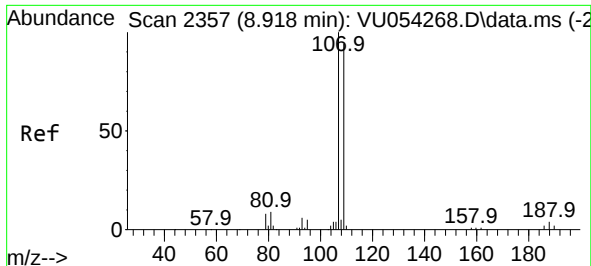
Tgt Ion: 43 Resp: 710290
Ion Ratio Lower Upper
43 100
58 60.2 30.3 90.8



#60
Dibromochloromethane
Concen: 55.512 ug/l
RT: 8.803 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 129 Resp: 143955
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0

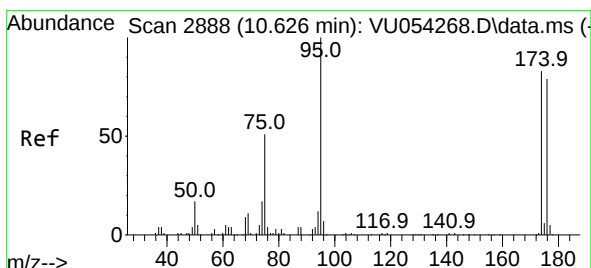
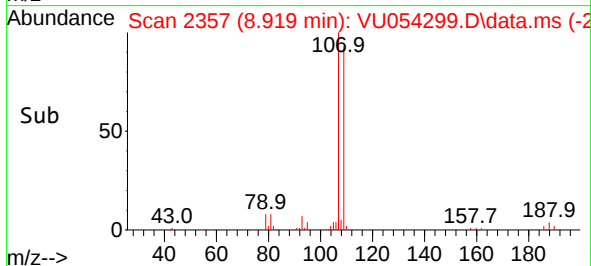
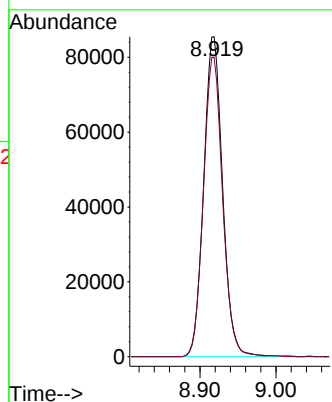
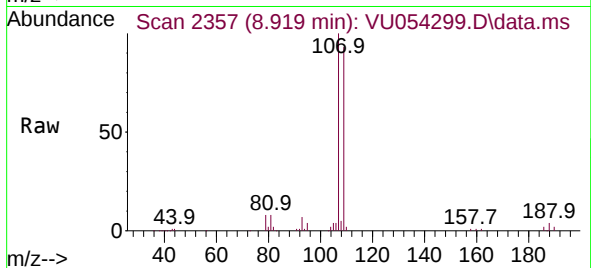




#61
1,2-Dibromoethane
Concen: 52.986 ug/l
RT: 8.919 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

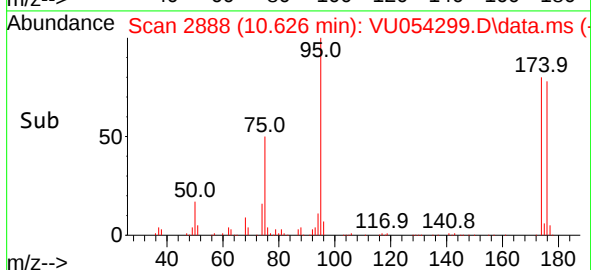
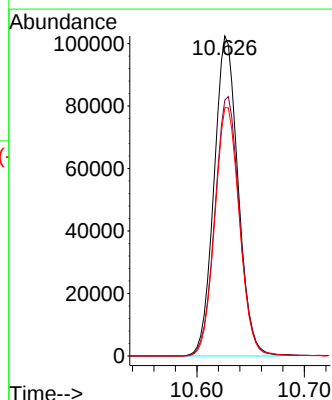
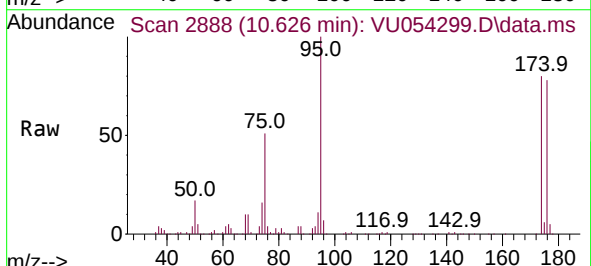
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

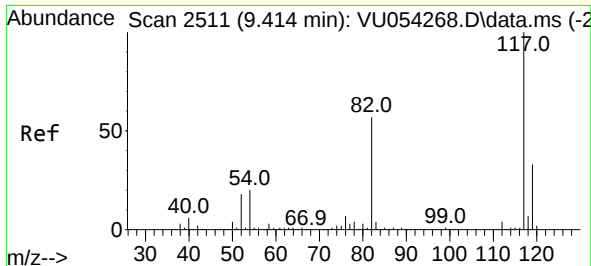
Tgt Ion:107 Resp: 147187
Ion Ratio Lower Upper
107 100
109 95.0 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 49.954 ug/l
RT: 10.626 min Scan# 2888
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 95 Resp: 158841
Ion Ratio Lower Upper
95 100
174 83.5 0.0 182.0
176 80.2 0.0 177.8

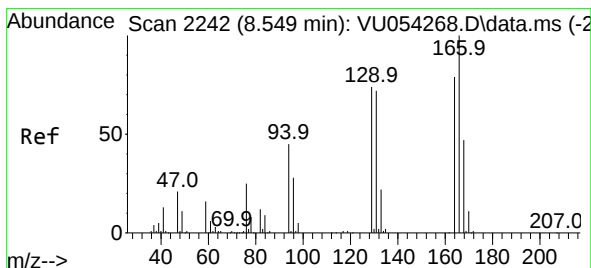
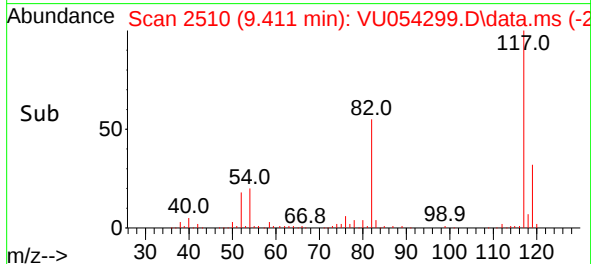
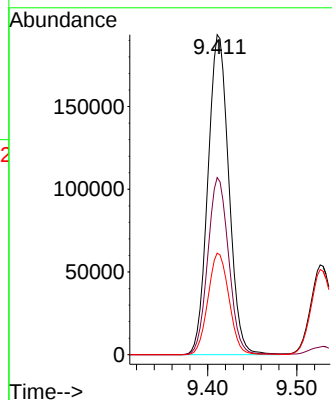
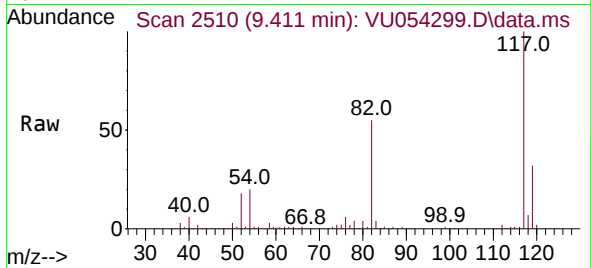




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.411 min Scan# 2511
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

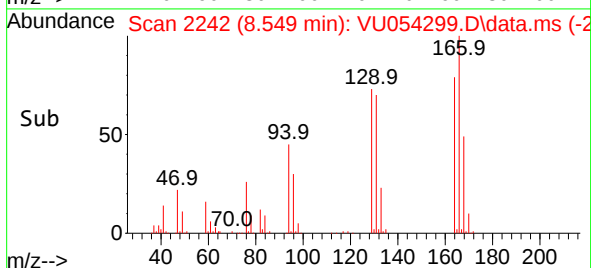
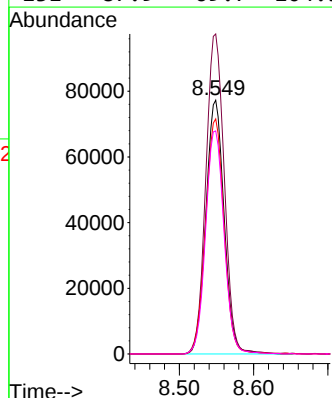
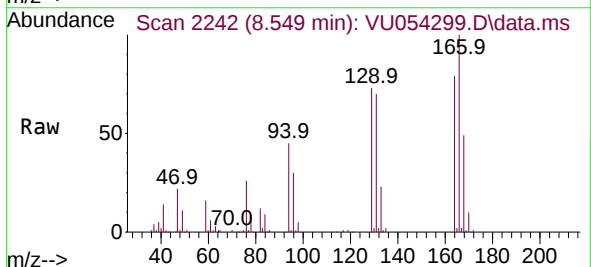
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

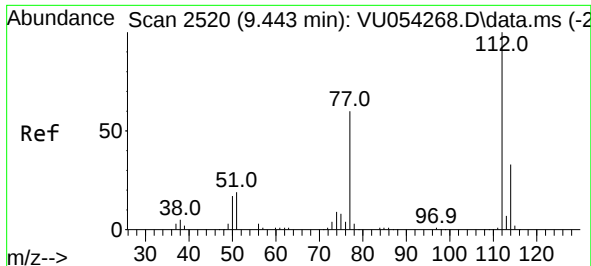
Tgt Ion:117 Resp: 314999
Ion Ratio Lower Upper
117 100
82 55.3 41.7 62.5
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 55.765 ug/l
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion:164 Resp: 132205
Ion Ratio Lower Upper
164 100
166 126.1 100.0 150.0
129 92.6 72.0 108.0
131 87.9 69.7 104.5





#65

Chlorobenzene

Concen: 53.248 ug/l

RT: 9.440 min Scan# 2519

Delta R.T. -0.003 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

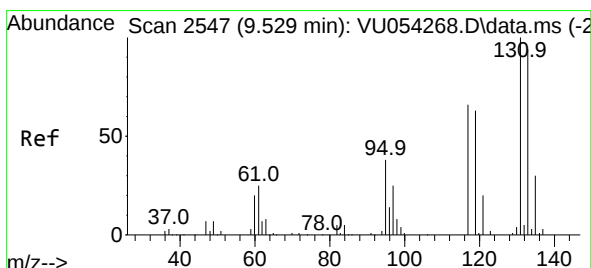
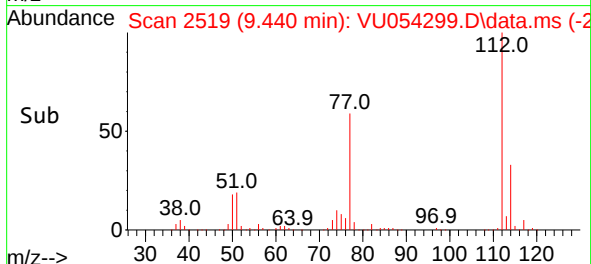
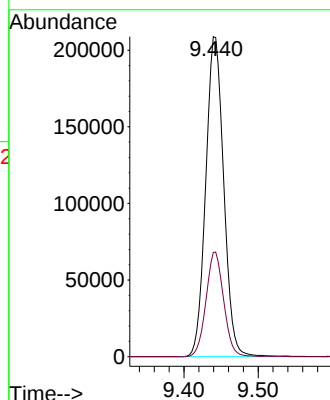
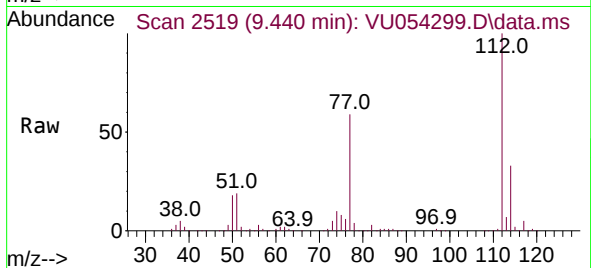
56BR-20230524MSD

Tgt Ion:112 Resp: 350646

Ion Ratio Lower Upper

112 100

114 32.6 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 55.883 ug/l

RT: 9.526 min Scan# 2546

Delta R.T. -0.003 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

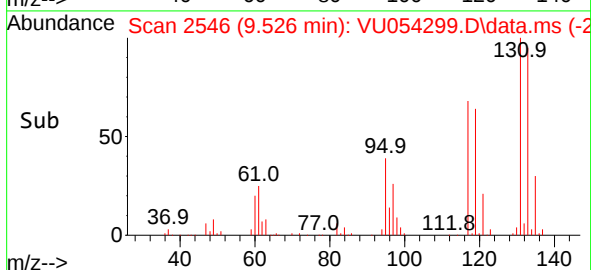
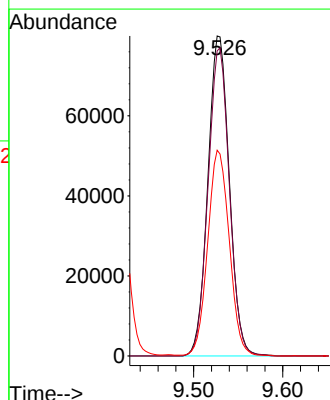
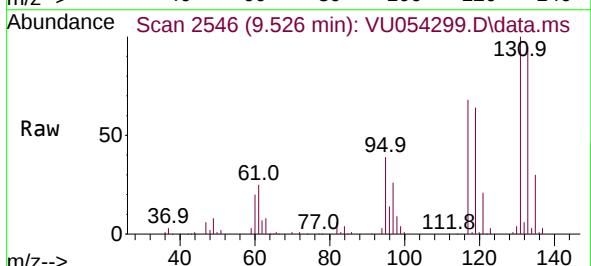
Tgt Ion:131 Resp: 133501

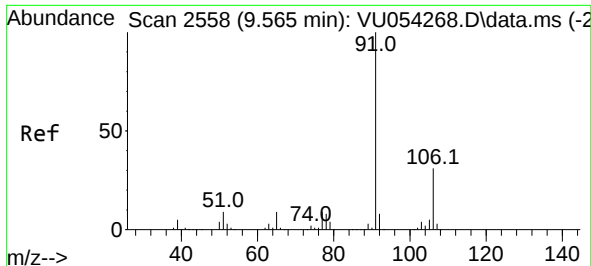
Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.0

119 65.0 33.9 101.6





#67

Ethyl Benzene

Concen: 54.938 ug/l

RT: 9.565 min Scan# 2558

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

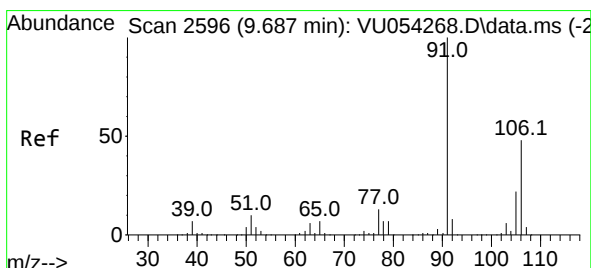
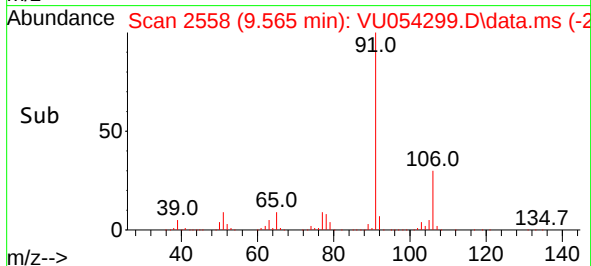
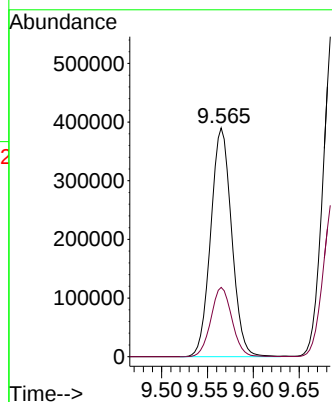
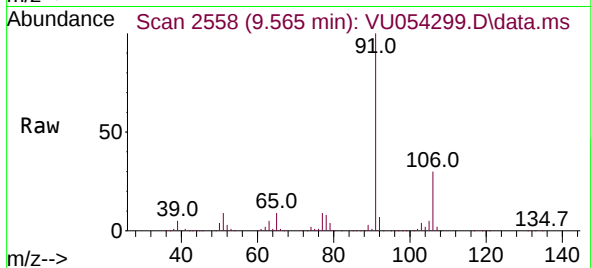
56BR-20230524MSD

Tgt Ion: 91 Resp: 618510

Ion Ratio Lower Upper

91 100

106 30.3 25.6 38.4



#68

m/p-Xylenes

Concen: 111.446 ug/l

RT: 9.690 min Scan# 2597

Delta R.T. 0.003 min

Lab File: VU054299.D

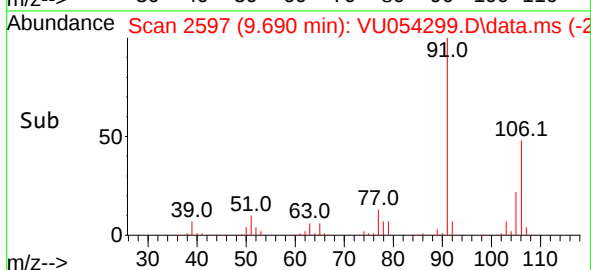
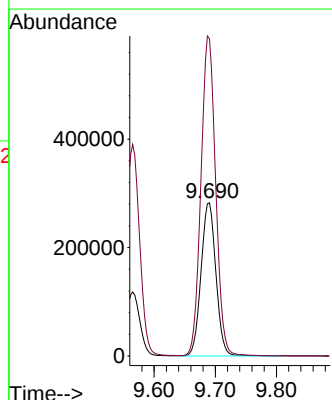
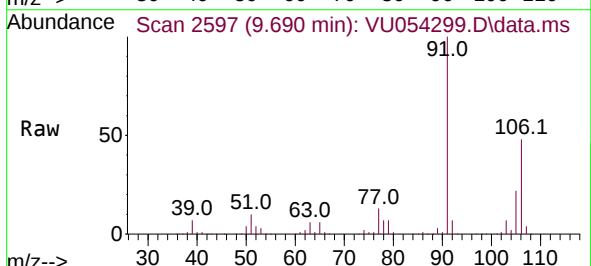
Acq: 26 May 2023 20:34

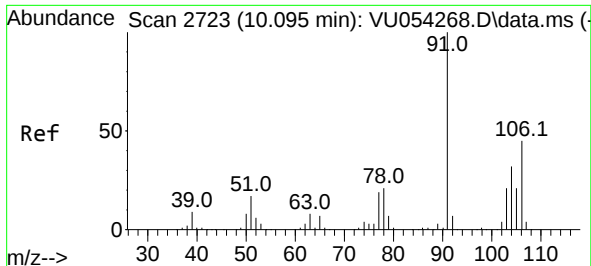
Tgt Ion:106 Resp: 475592

Ion Ratio Lower Upper

106 100

91 207.5 157.2 235.8





#69

o-Xylene

Concen: 55.456 ug/l

RT: 10.095 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

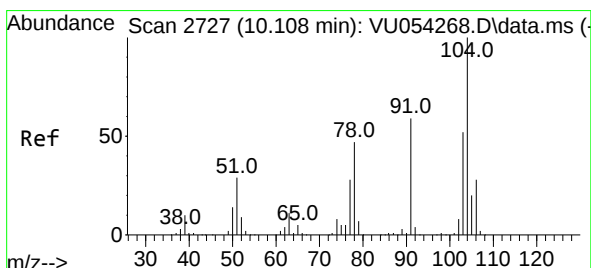
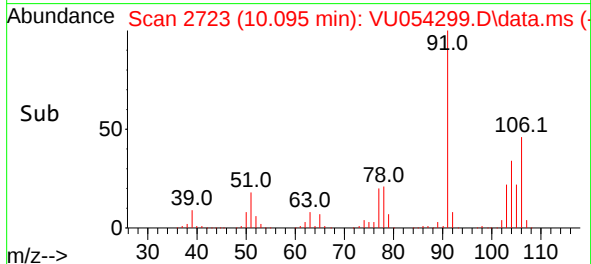
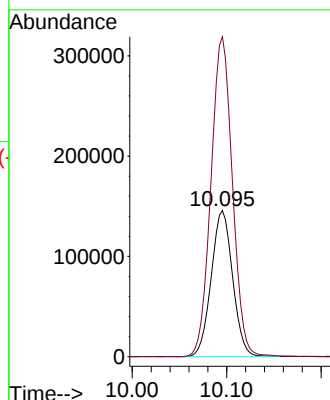
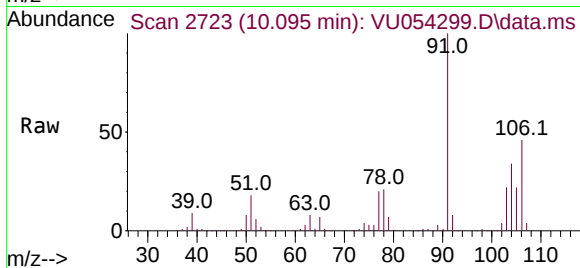
56BR-20230524MSD

Tgt Ion:106 Resp: 229093

Ion Ratio Lower Upper

106 100

91 219.9 103.5 310.5



#70

Styrene

Concen: 57.377 ug/l

RT: 10.108 min Scan# 2727

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

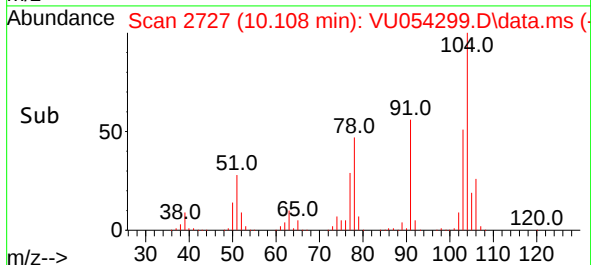
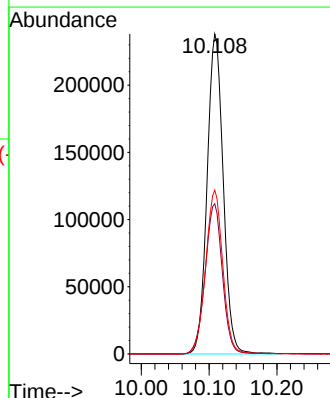
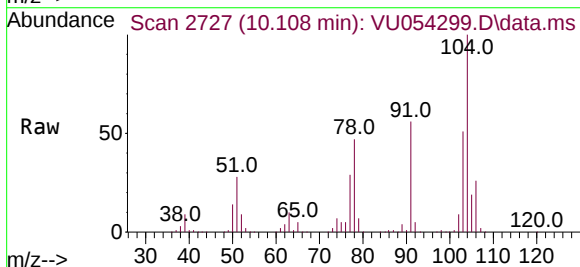
Tgt Ion:104 Resp: 393078

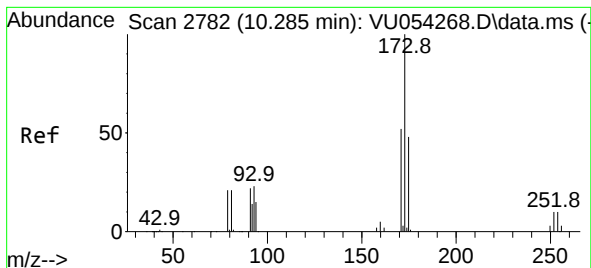
Ion Ratio Lower Upper

104 100

78 50.4 38.0 57.0

103 54.6 43.9 65.9





#71

Bromoform

Concen: 54.158 ug/l

RT: 10.285 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

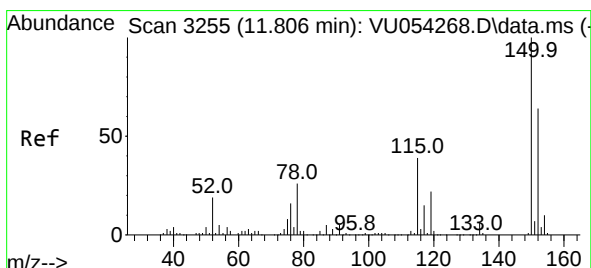
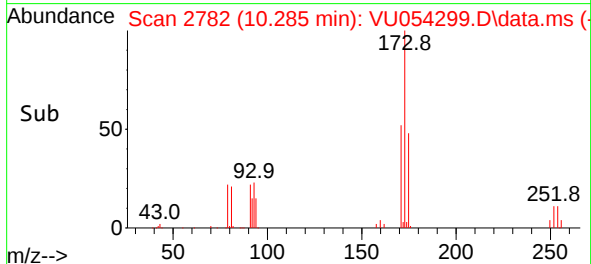
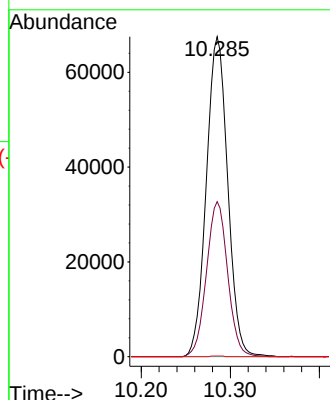
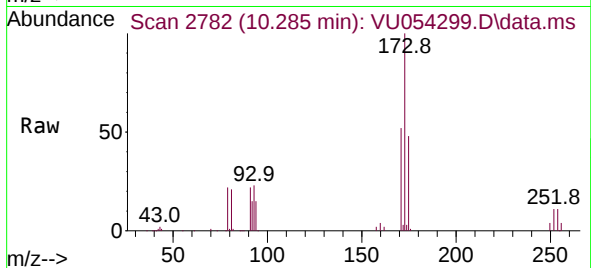
Tgt Ion:173 Resp: 112430

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.2

254 0.1 0.1 0.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.806 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

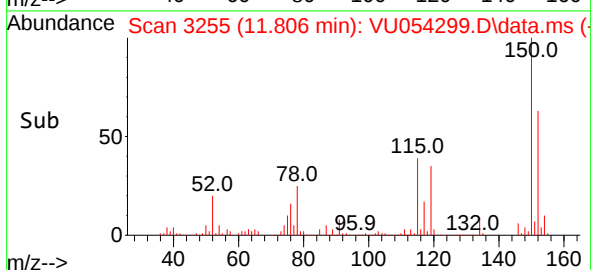
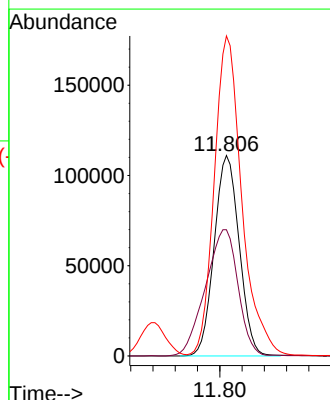
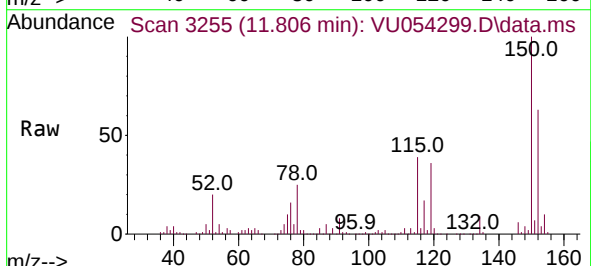
Tgt Ion:152 Resp: 173298

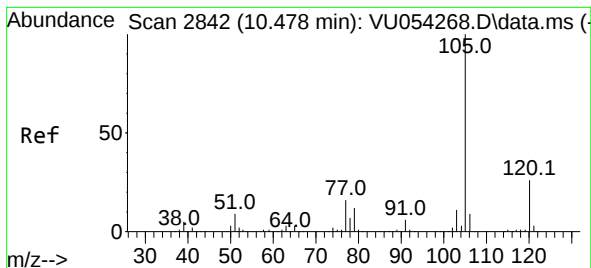
Ion Ratio Lower Upper

152 100

115 82.0 37.0 110.9

150 175.7 0.0 342.2





#73

Isopropylbenzene

Concen: 55.582 ug/l

RT: 10.478 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

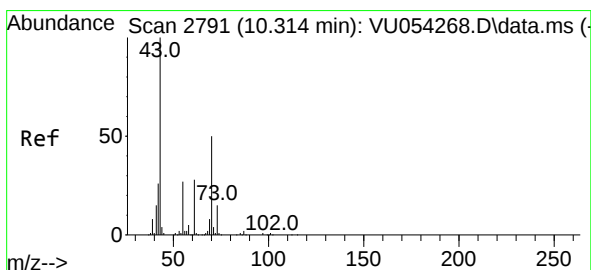
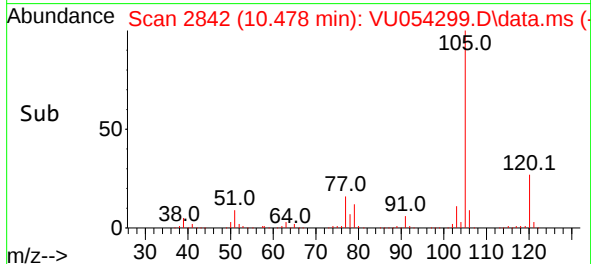
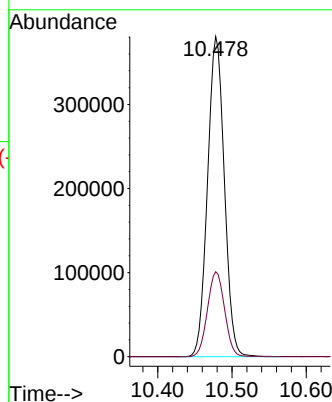
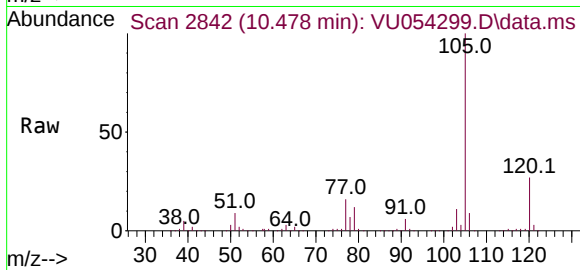
56BR-20230524MSD

Tgt Ion:105 Resp: 596537

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.4



#74

N-ethyl acetate

Concen: 54.473 ug/l

RT: 10.314 min Scan# 2791

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Tgt Ion: 43 Resp: 248242

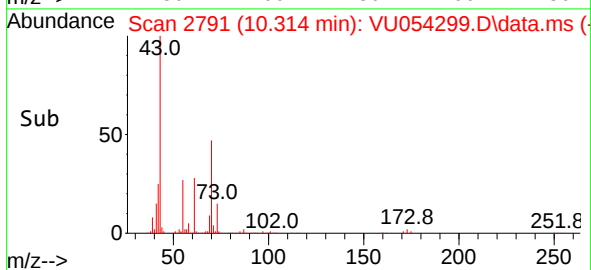
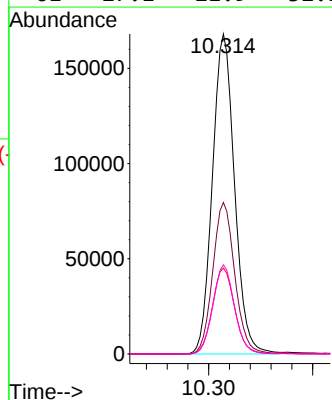
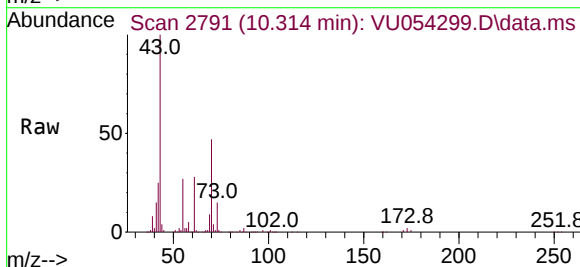
Ion Ratio Lower Upper

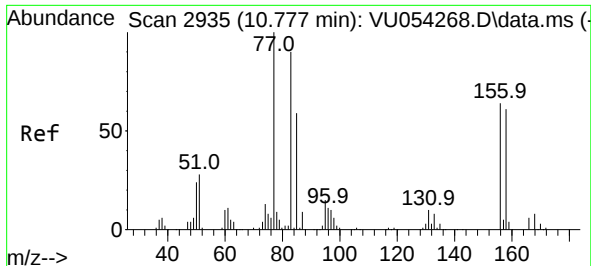
43 100

70 47.2 38.7 58.1

55 27.0 21.8 32.8

61 27.1 21.9 32.9

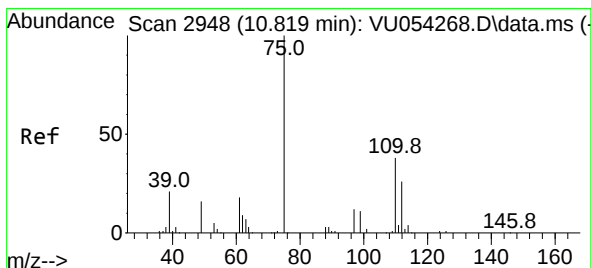
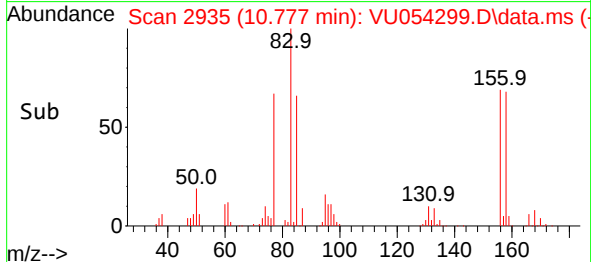
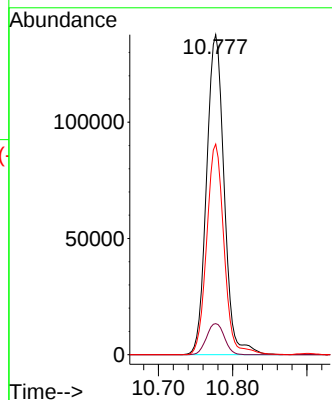
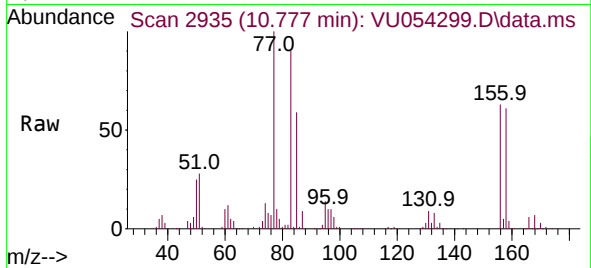




#75
1,1,2,2-Tetrachloroethane
Concen: 52.126 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

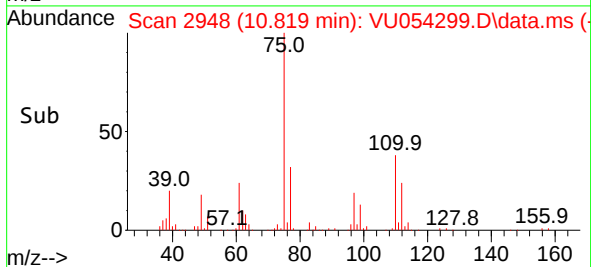
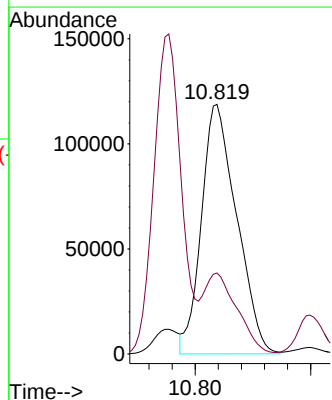
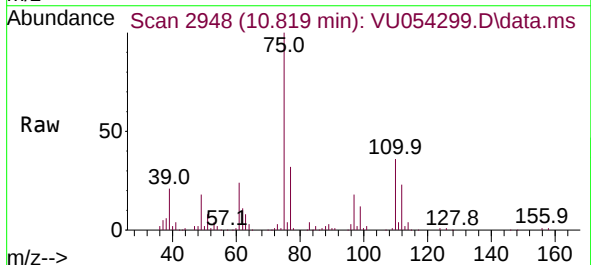
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

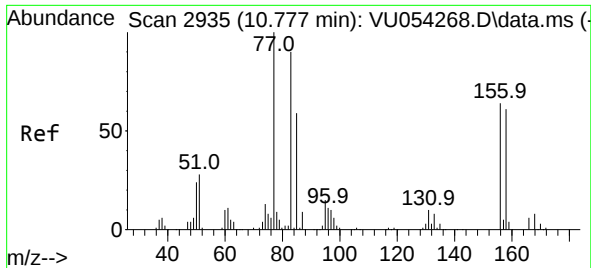
Tgt Ion: 83 Resp: 226372
Ion Ratio Lower Upper
83 100
131 9.8 5.1 15.4
85 64.9 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 49.709 ug/l
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 75 Resp: 251420
Ion Ratio Lower Upper
75 100
77 30.5 15.8 47.3

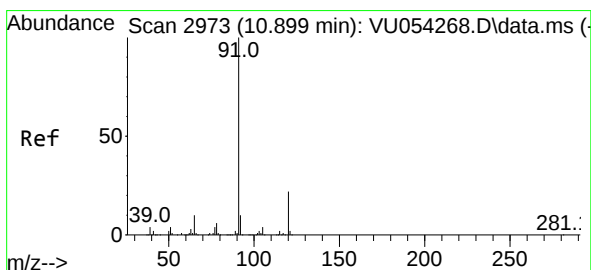
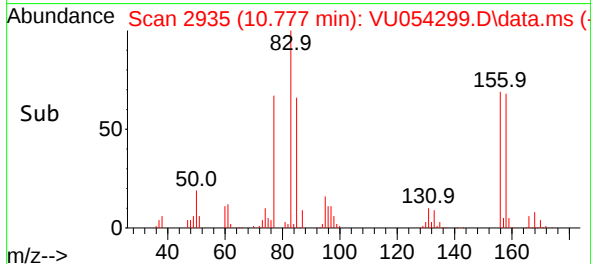
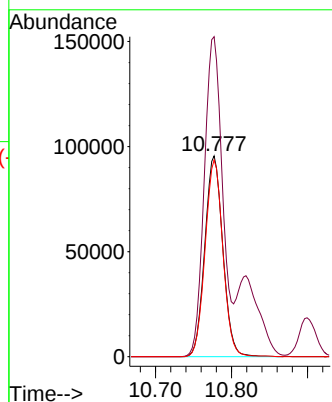
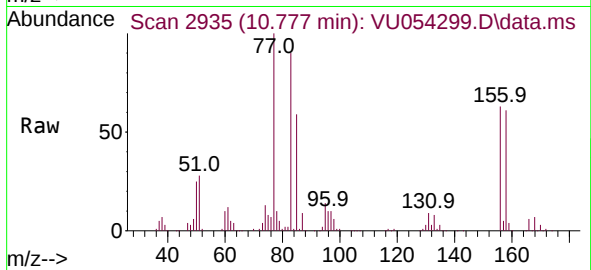




#77
Bromobenzene
Concen: 53.361 ug/l
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

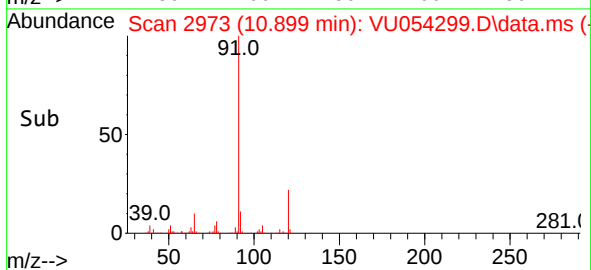
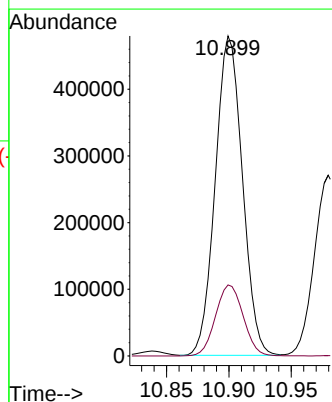
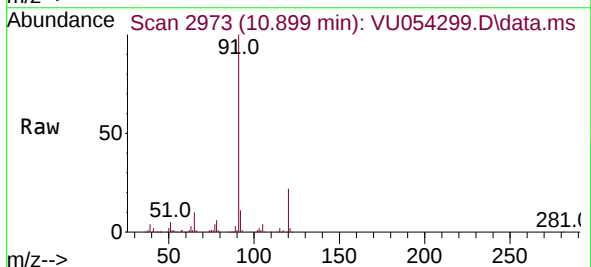
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

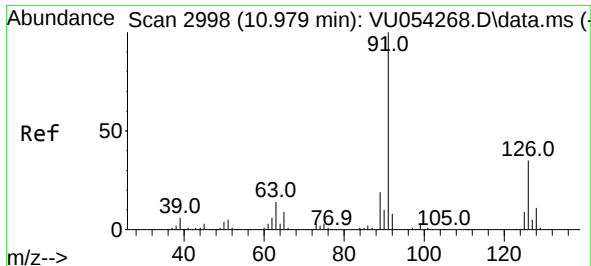
Tgt Ion:156 Resp: 157268
Ion Ratio Lower Upper
156 100
77 161.6 71.9 215.6
158 96.8 48.9 146.8



#78
n-propylbenzene
Concen: 55.212 ug/l
RT: 10.899 min Scan# 2973
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 91 Resp: 725896
Ion Ratio Lower Upper
91 100
120 22.7 11.9 35.5





#79

2-Chlorotoluene

Concen: 53.891 ug/l

RT: 10.980 min Scan# 2998

Delta R.T. 0.001 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

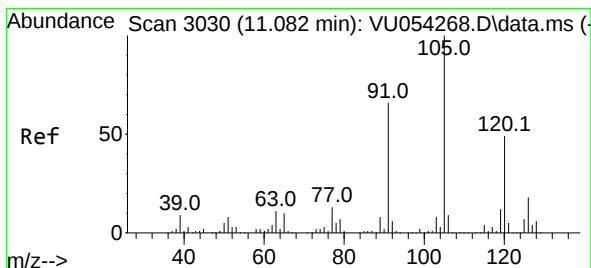
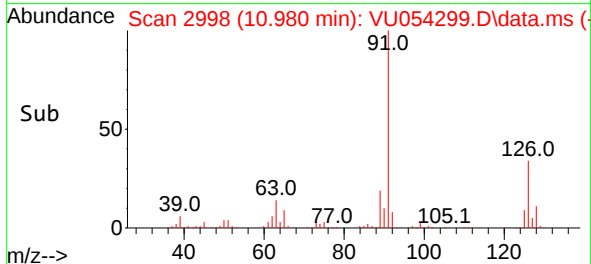
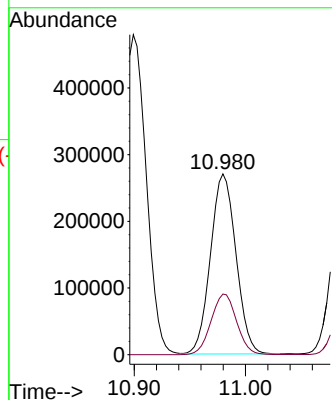
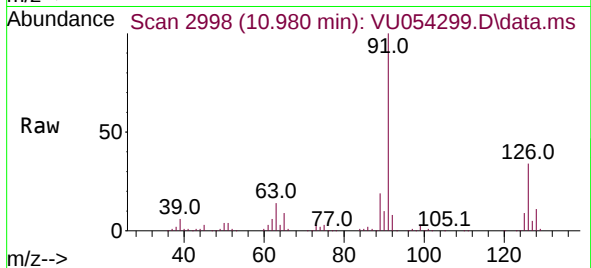
56BR-20230524MSD

Tgt Ion: 91 Resp: 428964

Ion Ratio Lower Upper

91 100

126 33.7 18.4 55.0



#80

1,3,5-Trimethylbenzene

Concen: 56.215 ug/l

RT: 11.083 min Scan# 3030

Delta R.T. 0.001 min

Lab File: VU054299.D

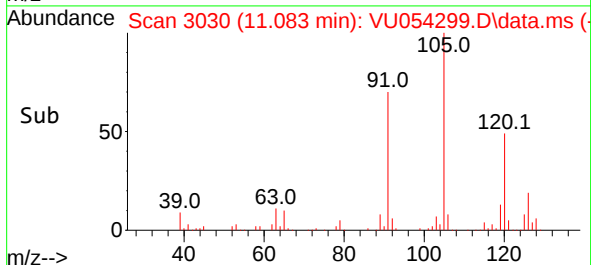
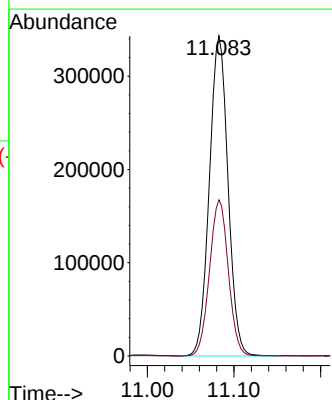
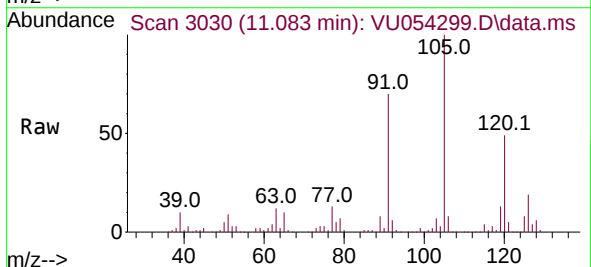
Acq: 26 May 2023 20:34

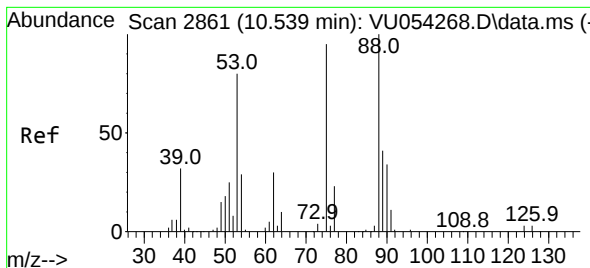
Tgt Ion: 105 Resp: 513079

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.9

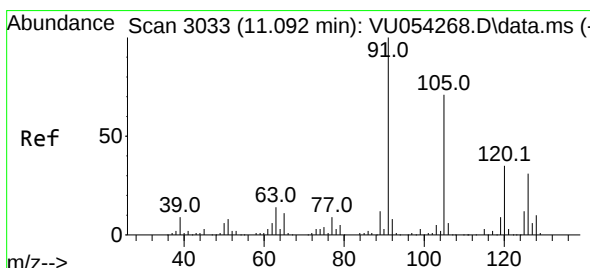
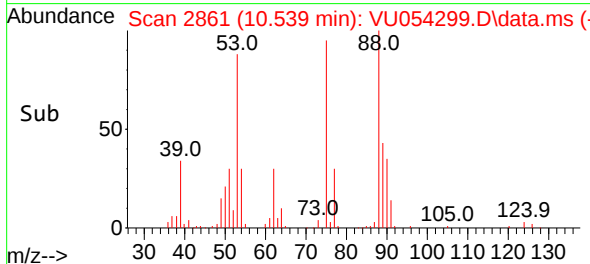
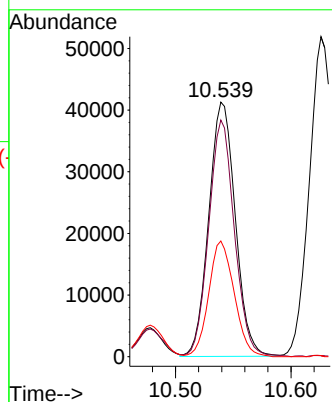
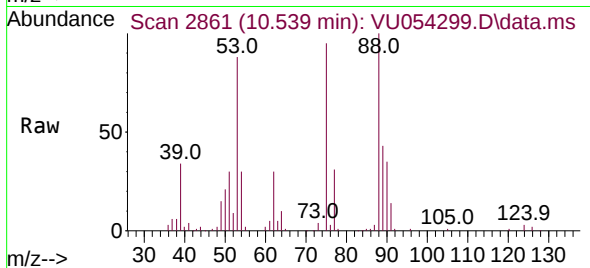




#81
trans-1,4-Dichloro-2-butene
Concen: 49.644 ug/l
RT: 10.539 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

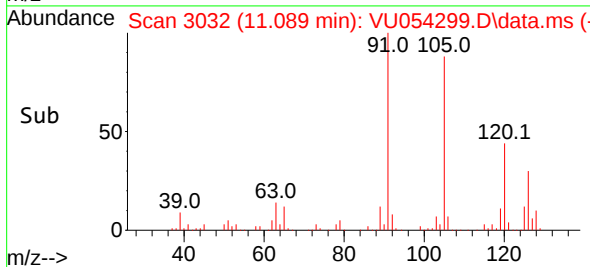
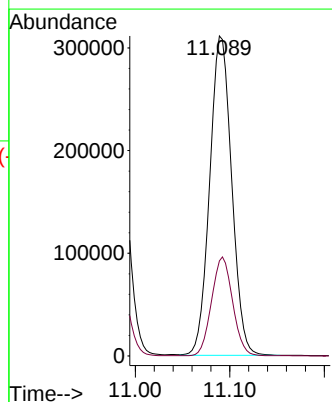
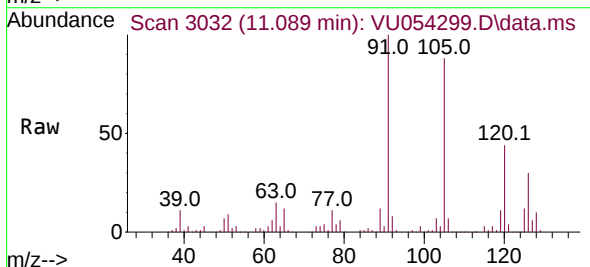
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

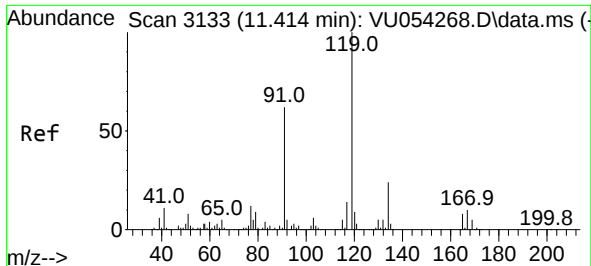
Tgt Ion: 75 Resp: 65939
Ion Ratio Lower Upper
75 100
53 90.2 69.2 103.8
89 43.6 37.0 55.6



#82
4-Chlorotoluene
Concen: 53.705 ug/l
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 91 Resp: 501571
Ion Ratio Lower Upper
91 100
126 29.5 16.1 48.2

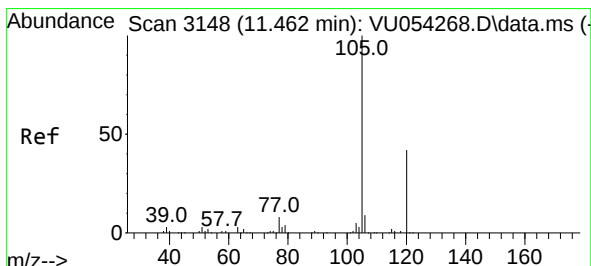
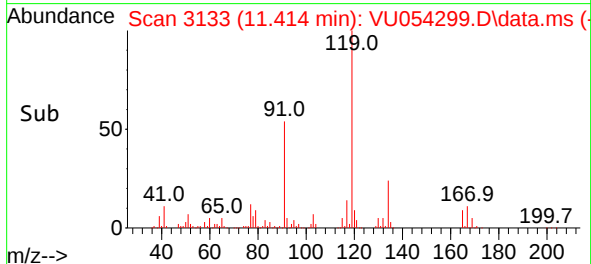
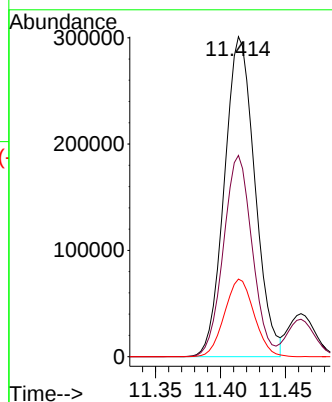
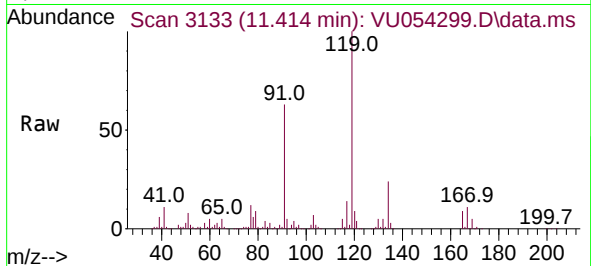




#83
tert-Butylbenzene
Concen: 53.784 ug/l
RT: 11.414 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

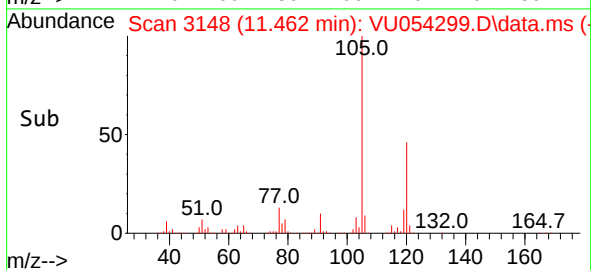
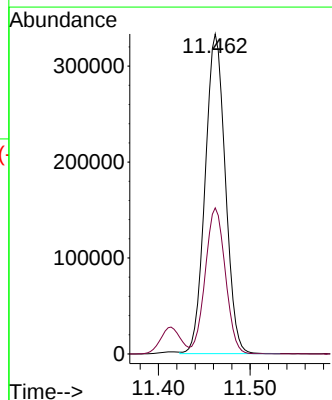
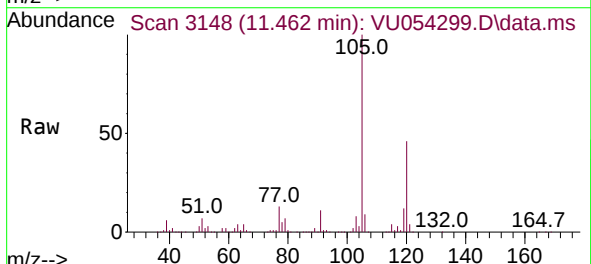
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

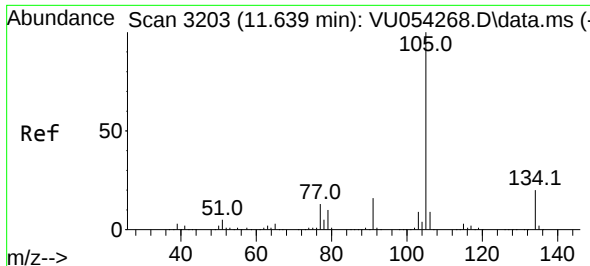
Tgt Ion:119 Resp: 490886
Ion Ratio Lower Upper
119 100
91 59.4 26.8 80.3
134 23.5 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 55.962 ug/l
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion:105 Resp: 508158
Ion Ratio Lower Upper
105 100
120 45.7 23.4 70.3

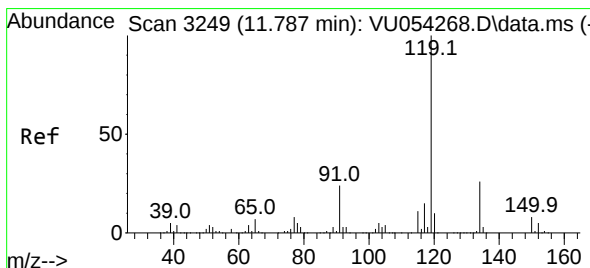
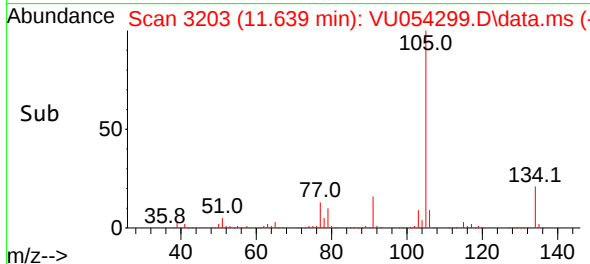
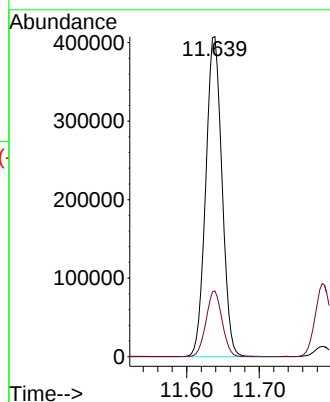
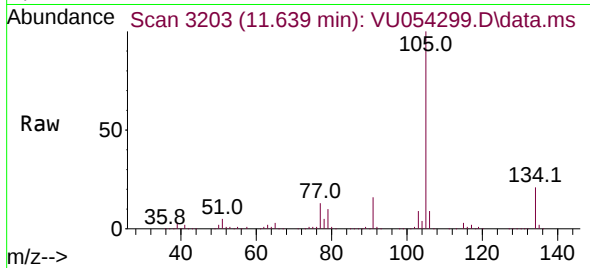




#85
 sec-Butylbenzene
 Concen: 54.567 ug/l
 RT: 11.639 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

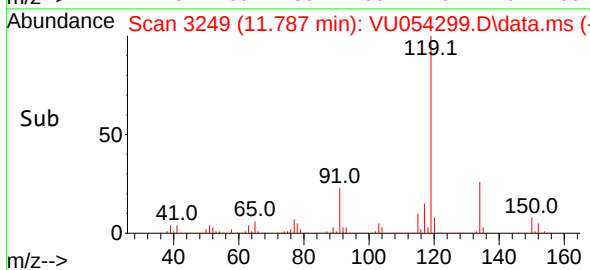
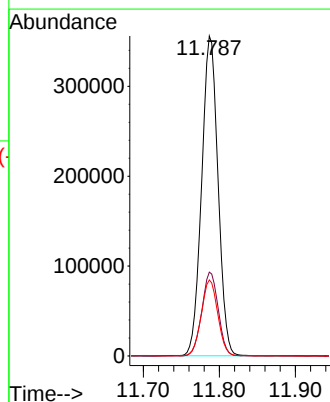
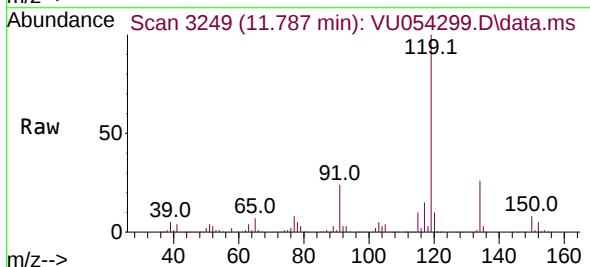
Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524MSD

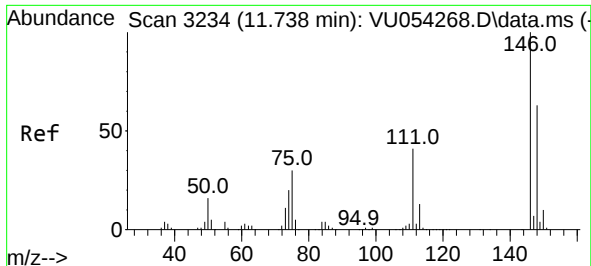
Tgt Ion:105 Resp: 631946
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 54.539 ug/l
 RT: 11.787 min Scan# 3249
 Delta R.T. -0.000 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

Tgt Ion:119 Resp: 531253
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.5 40.4
 91 24.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 52.218 ug/l

RT: 11.738 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

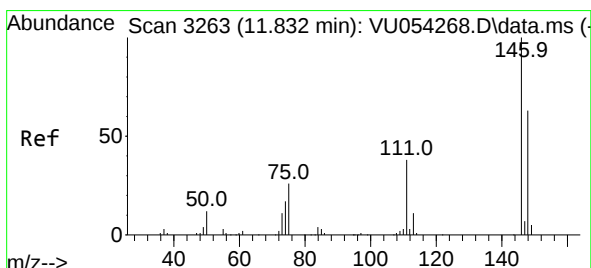
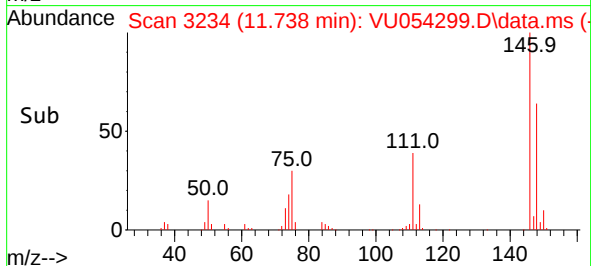
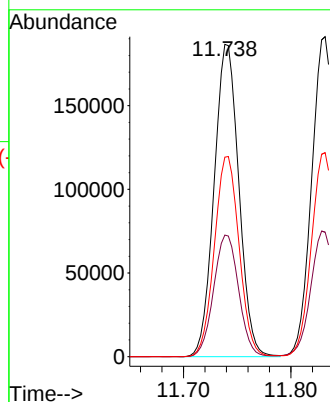
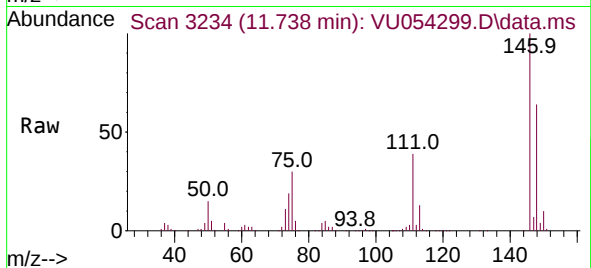
Tgt Ion:146 Resp: 297986

Ion Ratio Lower Upper

146 100

111 39.4 18.9 56.5

148 64.2 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 50.494 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. -0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

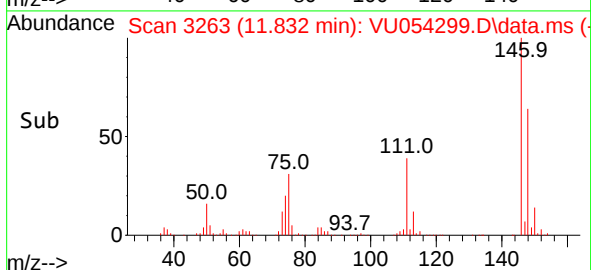
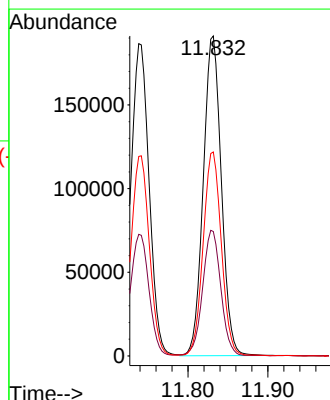
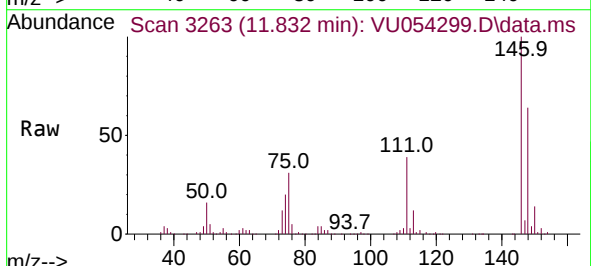
Tgt Ion:146 Resp: 301026

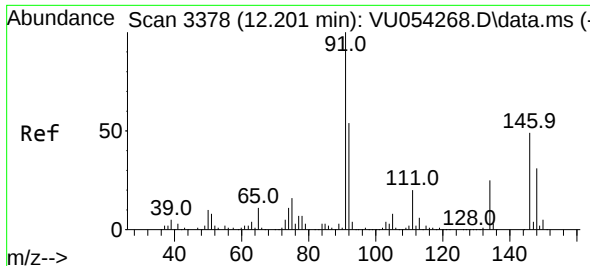
Ion Ratio Lower Upper

146 100

111 39.4 18.5 55.5

148 64.3 31.9 95.7

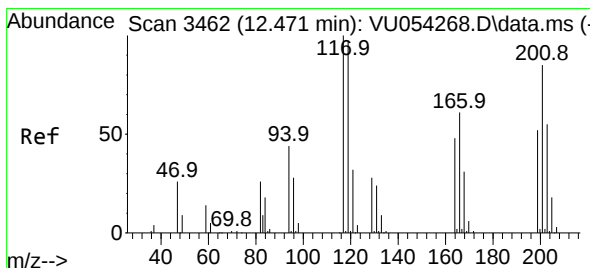
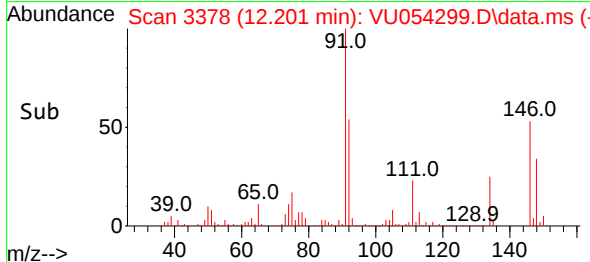
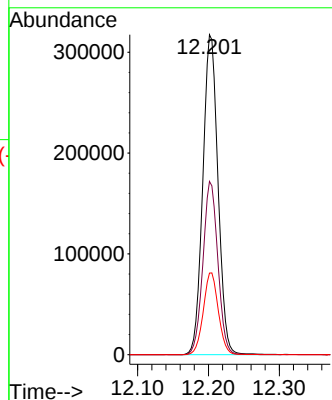
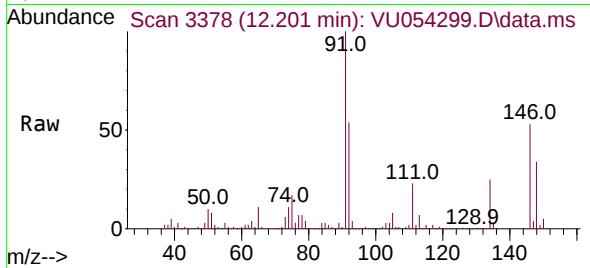




#89
n-Butylbenzene
Concen: 51.499 ug/l
RT: 12.201 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

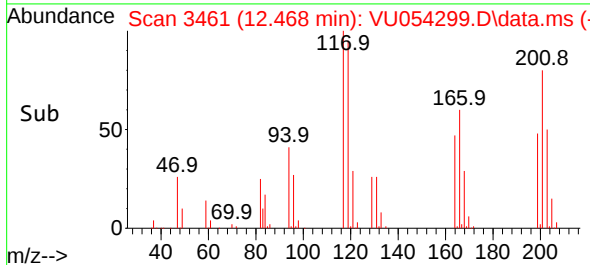
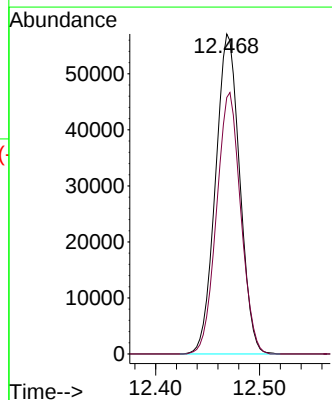
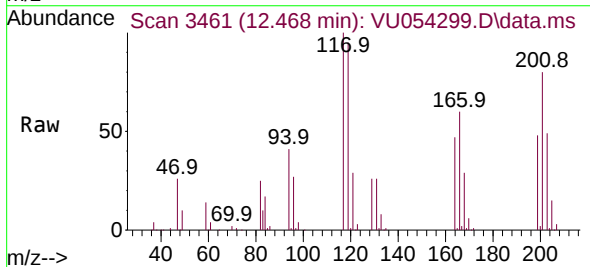
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

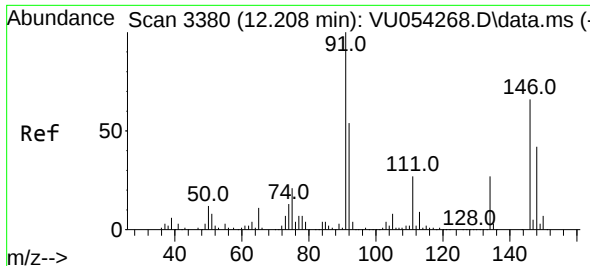
Tgt Ion: 91 Resp: 472196
Ion Ratio Lower Upper
91 100
92 53.2 26.2 78.6
134 25.4 13.5 40.4



#90
Hexachloroethane
Concen: 53.666 ug/l
RT: 12.468 min Scan# 3461
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 117 Resp: 92479
Ion Ratio Lower Upper
117 100
201 81.6 44.6 134.0

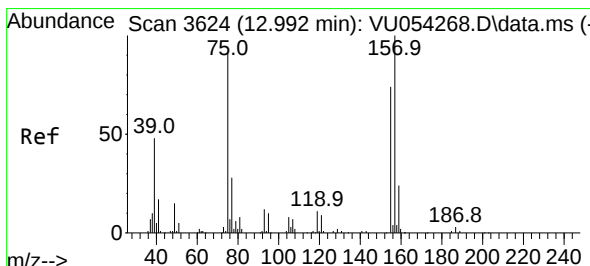
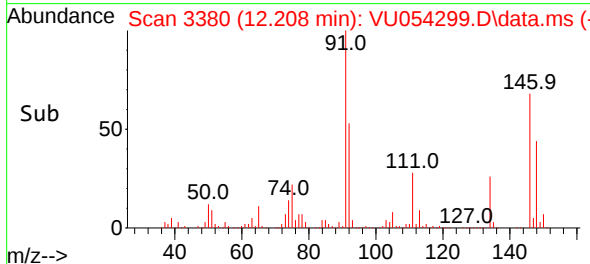
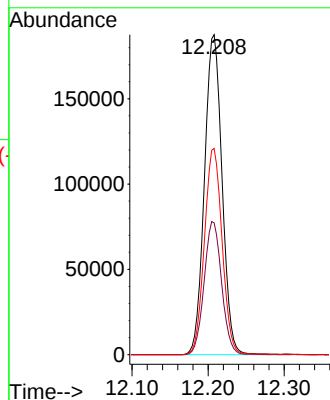
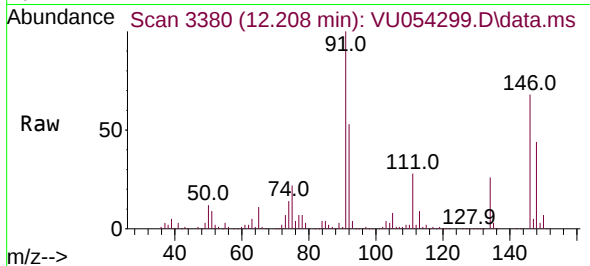




#91
1,2-Dichlorobenzene
Concen: 53.793 ug/l
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

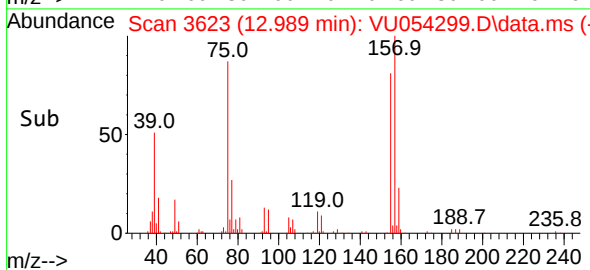
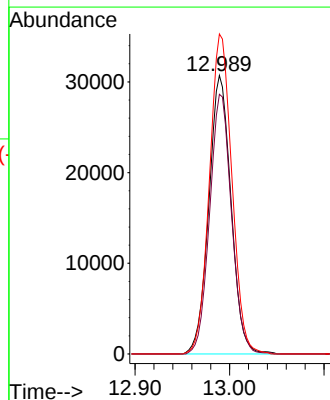
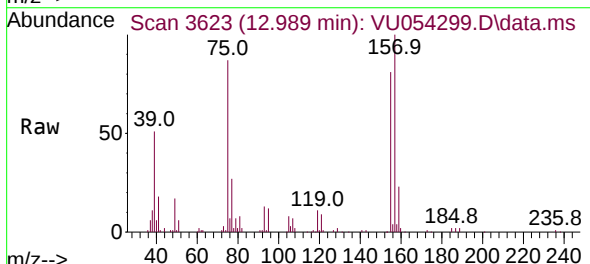
Instrument :
MSVOA_U
ClientSampleId :
56BR-20230524MSD

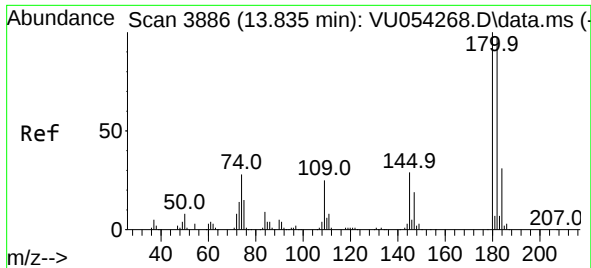
Tgt Ion:146 Resp: 301989
Ion Ratio Lower Upper
146 100
111 41.1 19.9 59.6
148 64.7 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.656 ug/l
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU054299.D
Acq: 26 May 2023 20:34

Tgt Ion: 75 Resp: 50171
Ion Ratio Lower Upper
75 100
155 91.4 47.8 143.4
157 116.0 62.2 186.5

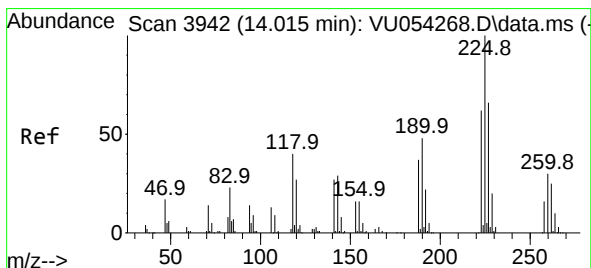
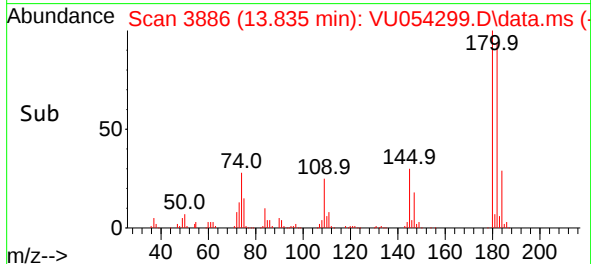
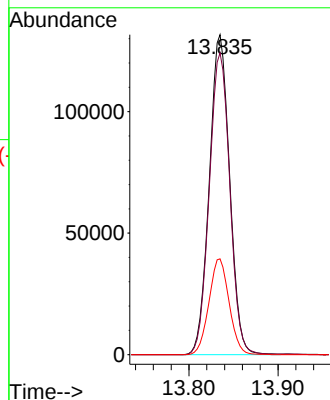
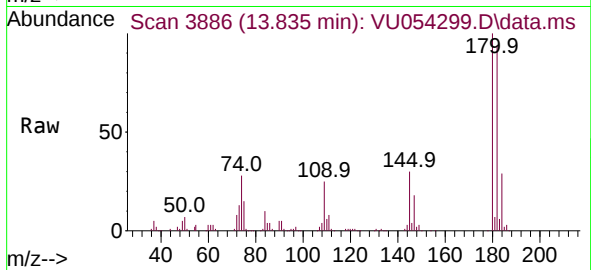




#93
 1,2,4-Trichlorobenzene
 Concen: 52.313 ug/l
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

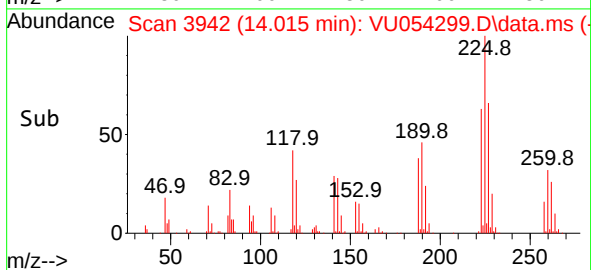
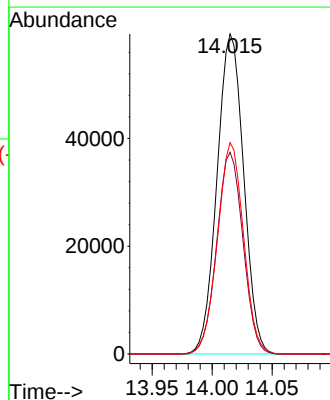
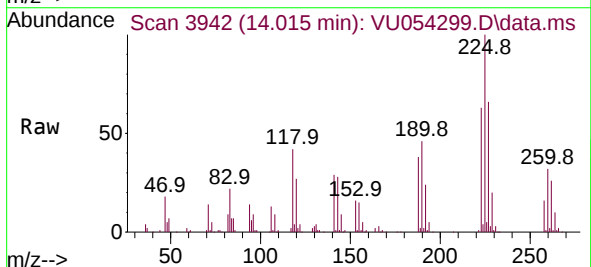
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 ClientSampleId :
 56BR-20230524MSD

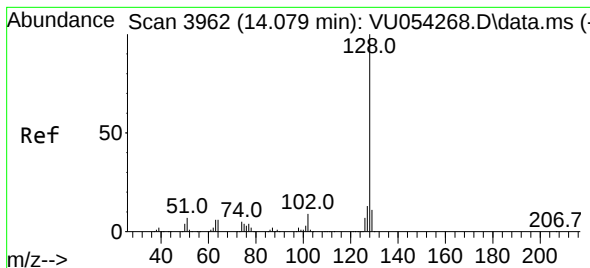
Tgt Ion:180 Resp: 208835
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.6
 145 29.7 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 49.650 ug/l
 RT: 14.015 min Scan# 3942
 Delta R.T. -0.000 min
 Lab File: VU054299.D
 Acq: 26 May 2023 20:34

Tgt Ion:225 Resp: 91709
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.3 93.9
 227 64.6 32.0 96.2





#95

Naphthalene

Concen: 51.096 ug/l

RT: 14.079 min Scan# 3962

Delta R.T. 0.000 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Instrument :

MSVOA_U

ClientSampleId :

56BR-20230524MSD

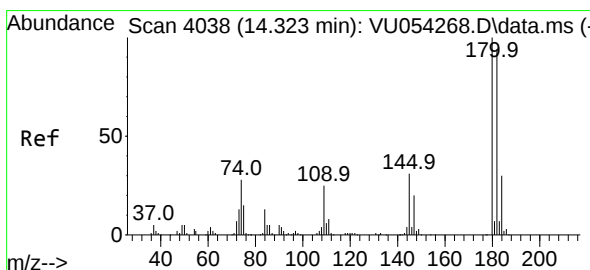
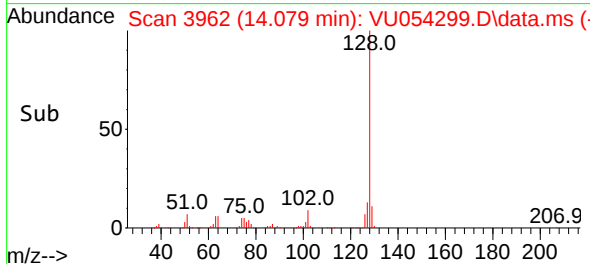
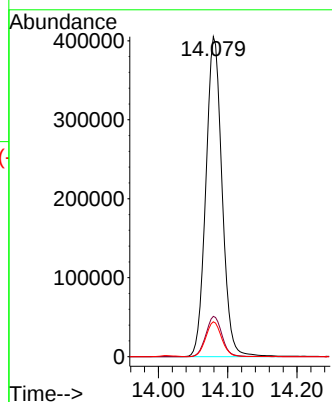
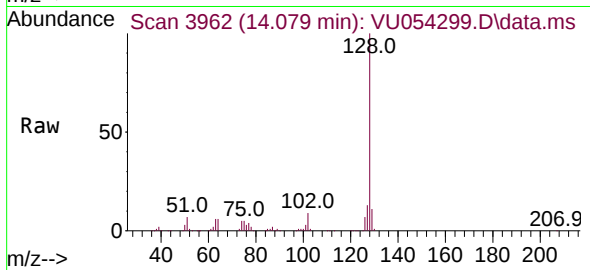
Tgt Ion:128 Resp: 655517

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 53.715 ug/l

RT: 14.324 min Scan# 4038

Delta R.T. 0.001 min

Lab File: VU054299.D

Acq: 26 May 2023 20:34

Tgt Ion:180 Resp: 212519

Ion Ratio Lower Upper

180 100

182 95.2 48.4 145.0

145 31.5 14.8 44.4

