

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054532.D
 Acq On : 15 Jun 2023 17:37
 Operator : MD/SY
 Sample : 03237-04MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MS

Quant Time: Jun 16 01:32:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 14 00:05:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	270249	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	263281	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	142089	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	63813	3.710	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.200%
7) Chloroethane-d5	1.914	69	76832	4.771	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.400%
11) 1,1-Dichloroethene-d2	2.563	65	29888	3.891	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.800%
20) 2-Butanone-d5	4.631	46	243725	50.402	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.800%
24) Chloroform-d	5.058	84	179660	4.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	5.698	65	85016	4.851	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
32) Benzene-d6	5.724	84	333003	4.550	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.000%
36) 1,2-Dichloropropane-d6	6.685	67	115952	4.744	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.894	98	292273	4.500	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.177	79	35823	4.215	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.200%
46) 2-Hexanone-d5	8.631	63	165607	46.443	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.880%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86979	4.772	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	112754	4.705	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	115400	4.570	ug/L	99
3) Chloromethane	1.518	50	134550	4.638	ug/L	99
5) Vinyl chloride	1.602	62	143353	4.815	ug/L	100
6) Bromomethane	1.859	94	78678	4.806	ug/L	96
8) Chloroethane	1.933	64	89604	5.021	ug/L	98
9) Trichlorofluoromethane	2.136	101	186824	5.104	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	109260	5.102	ug/L	98
12) 1,1-Dichloroethene	2.576	96	99140	5.058	ug/L	94
13) Acetone	2.644	43	170537	37.404	ug/L	99
14) Carbon disulfide	2.792	76	265935	4.575	ug/L	100
15) Methyl Acetate	2.956	43	40123	4.749	ug/L	95
16) Methylene chloride	3.042	84	114215	4.144	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	243144	5.026	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	100599	4.971	ug/L	98
19) 1,1-Dichloroethane	3.866	63	214505	5.122	ug/L	99
21) 2-Butanone	4.708	43	276507	46.729	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	117148	5.083	ug/L	96
23) Bromochloromethane	4.968	128	49528	5.165	ug/L	88
25) Chloroform	5.084	83	216396	5.241	ug/L	100

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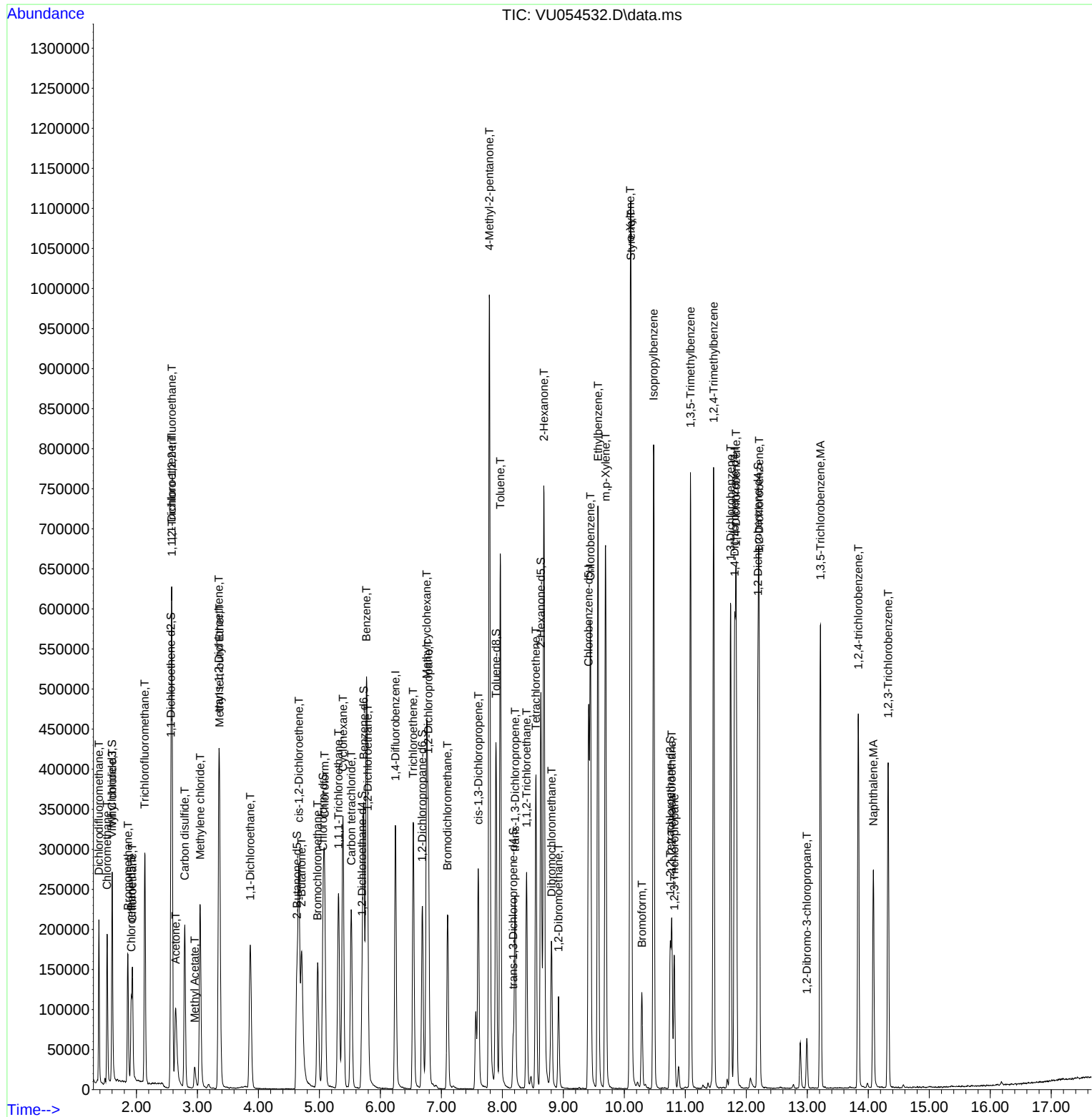
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	125272	5.176	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	180748	5.063	ug/L	99
30) Cyclohexane	5.386	56	170302	4.380	ug/L	97
31) Carbon tetrachloride	5.521	117	156208	5.078	ug/L	99
33) Benzene	5.769	78	456266	4.822	ug/L	100
34) Trichloroethene	6.538	95	119174	4.763	ug/L	97
35) Methylcyclohexane	6.759	83	162363	4.293	ug/L	99
37) 1,2-Dichloropropane	6.785	63	124281	4.858	ug/L	100
38) Bromodichloromethane	7.100	83	148739	5.136	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	170264	4.875	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	660323	48.365	ug/L	99
42) Toluene	7.965	91	492494	5.054	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	141449	4.990	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	84320	5.181	ug/L	99
47) Tetrachloroethene	8.550	164	89191	4.657	ug/L	99
48) 2-Hexanone	8.679	43	476899	46.879	ug/L	98
49) Dibromochloromethane	8.804	129	91721	5.367	ug/L	99
50) 1,2-Dibromoethane	8.920	107	75980	5.085	ug/L	100
51) Chlorobenzene	9.444	112	302249	4.976	ug/L	99
52) Ethylbenzene	9.566	91	517721	4.865	ug/L	100
53) m,p-Xylene	9.692	106	198639	5.081	ug/L	96
54) o-Xylene	10.097	106	192627	5.095	ug/L	98
55) Styrene	10.110	104	330264	5.205	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	102079	4.938	ug/L	100
59) Bromoform	10.287	173	55573	5.448	ug/L	97
60) Isopropylbenzene	10.479	105	517935	4.983	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	70937	4.940	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	407991	4.811	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	420319	4.880	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	247463	5.093	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	245477	5.034	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	227265	5.086	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	16015	5.075	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	181553	4.953	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	146294	4.826	ug/L	99
71) Naphthalene	14.084	128	217250	4.407	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	126276	4.849	ug/L	98

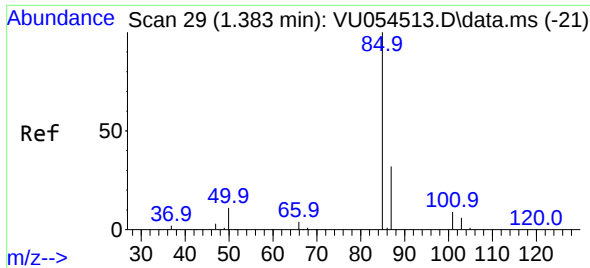
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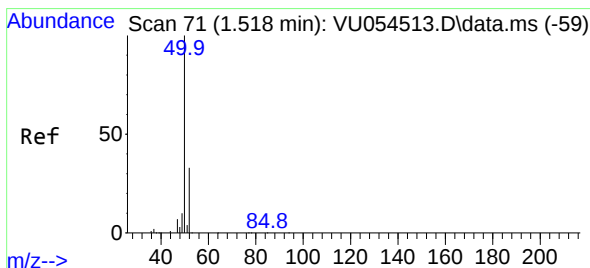
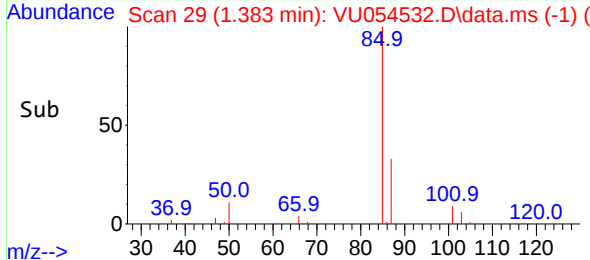
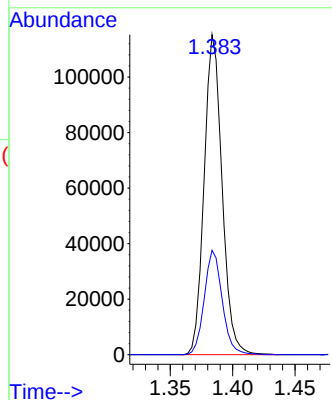
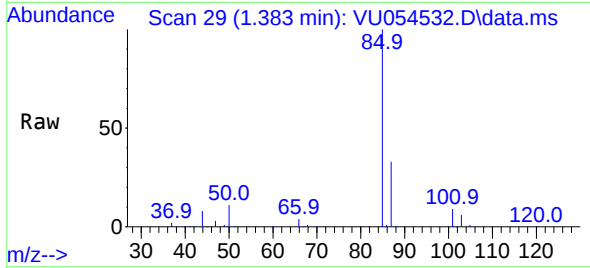




#2
 Dichlorodifluoromethane
 Concen: 4.570 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054532.D
 Acq: 15 Jun 2023 17:37

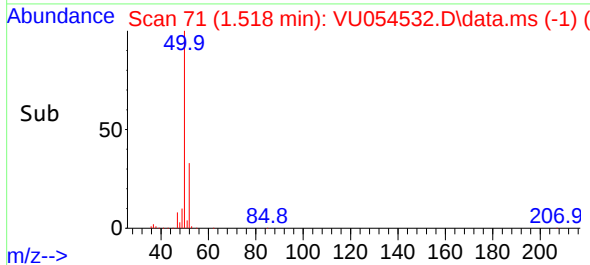
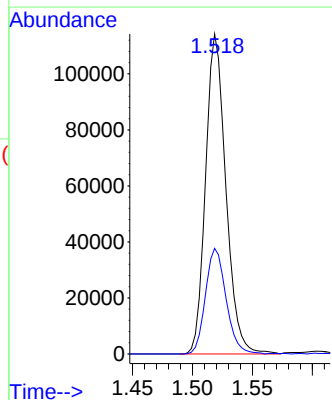
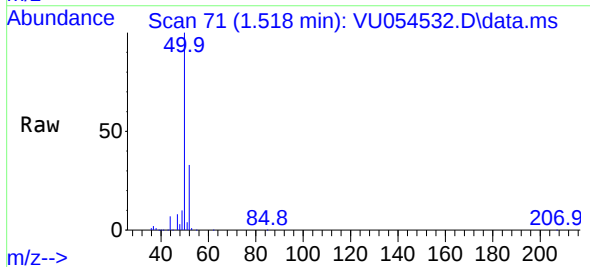
Instrument :
 MSVOA_U
 ClientSampleId :
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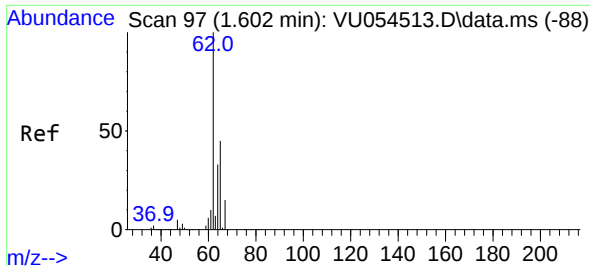
Tgt Ion: 85 Resp: 115400
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.4 38.2



#3
 Chloromethane
 Concen: 4.638 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054532.D
 Acq: 15 Jun 2023 17:37

Tgt Ion: 50 Resp: 134550
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.4 43.4

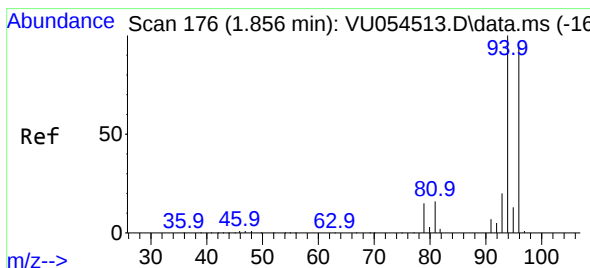
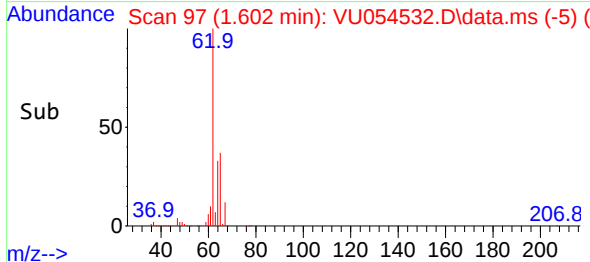
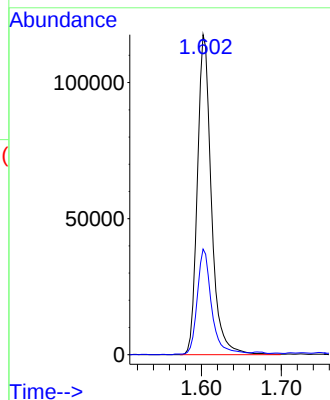
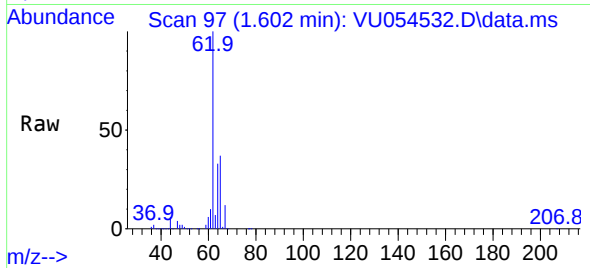




#5
Vinyl chloride
Concen: 4.815 ug/L
RT: 1.602 min Scan# 91
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

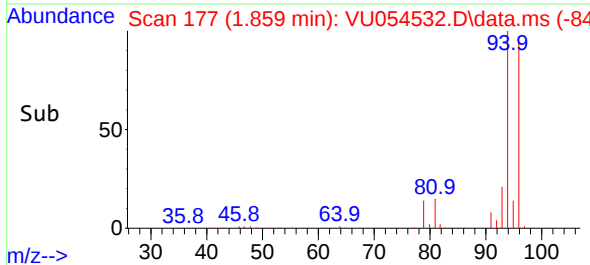
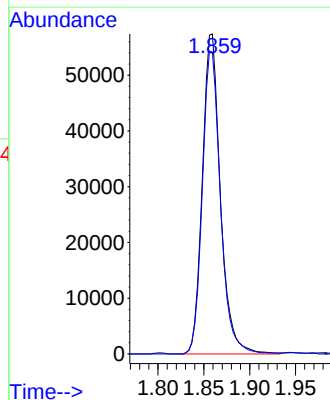
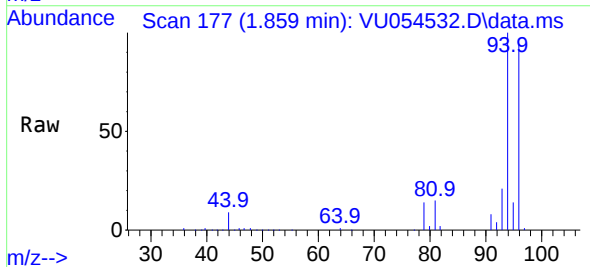
Instrument :
MSVOA_U
ClientSampleId :
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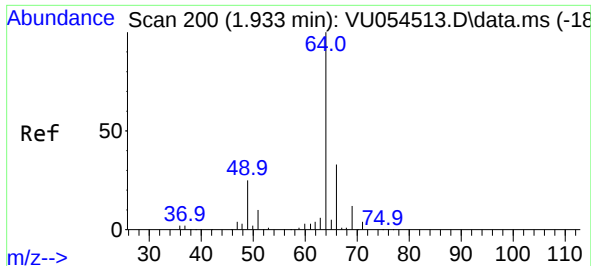
Tgt Ion: 62 Resp: 143353
Ion Ratio Lower Upper
62 100
64 33.0 23.0 42.6



#6
Bromomethane
Concen: 4.806 ug/L
RT: 1.859 min Scan# 177
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 94 Resp: 78678
Ion Ratio Lower Upper
94 100
96 94.3 63.6 118.2

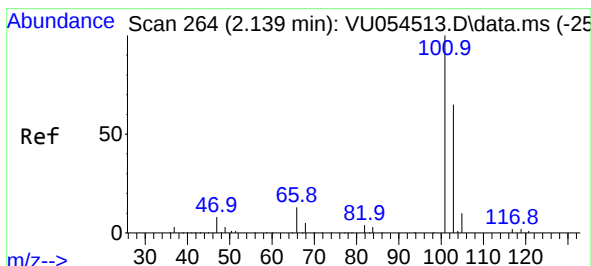
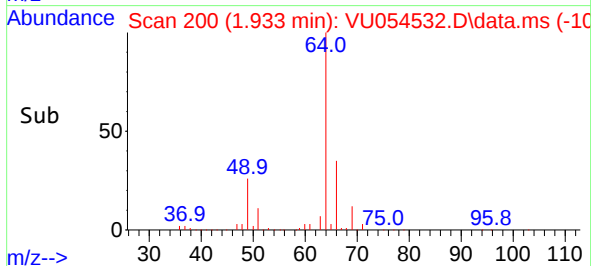
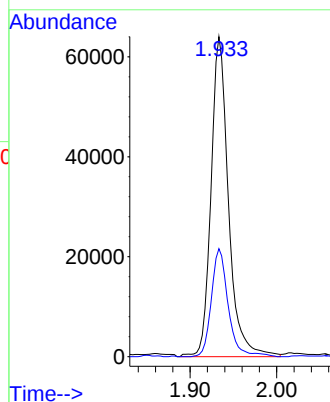
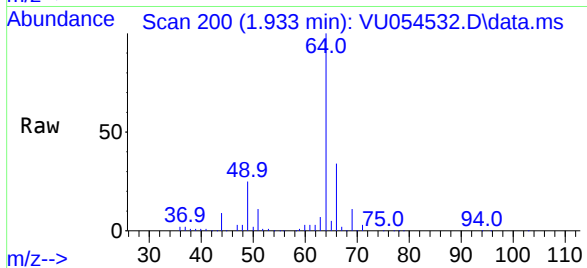




#8
Chloroethane
Concen: 5.021 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

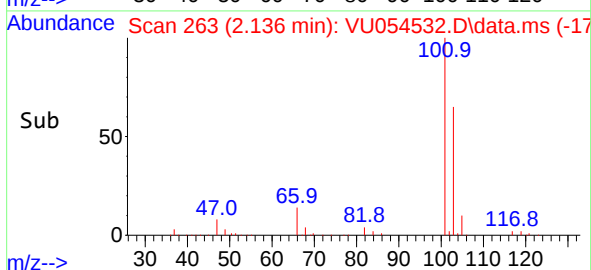
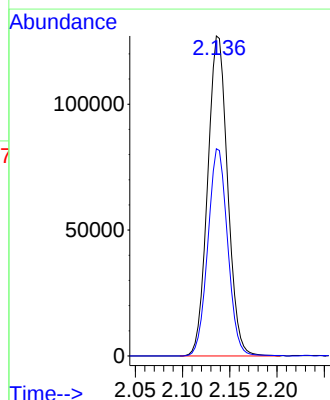
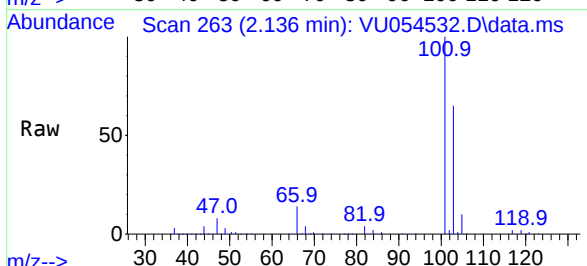
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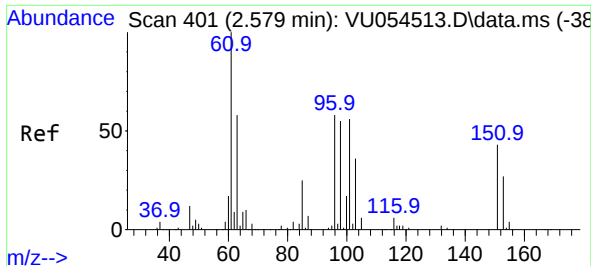
Tgt Ion: 64 Resp: 89604
Ion Ratio Lower Upper
64 100
66 33.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.104 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion:101 Resp: 186824
Ion Ratio Lower Upper
101 100
103 64.1 50.6 75.8

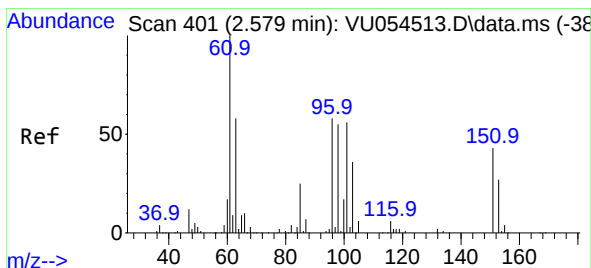
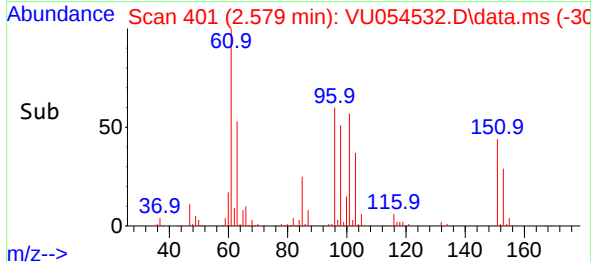
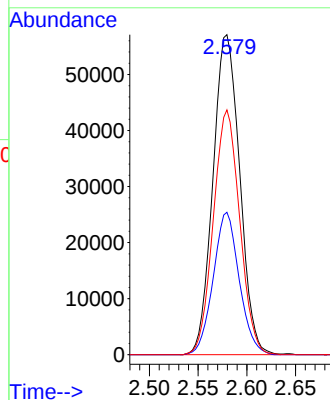
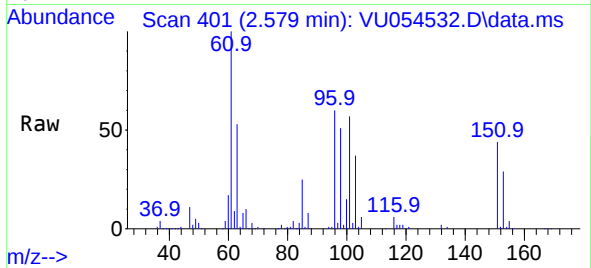




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.102 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

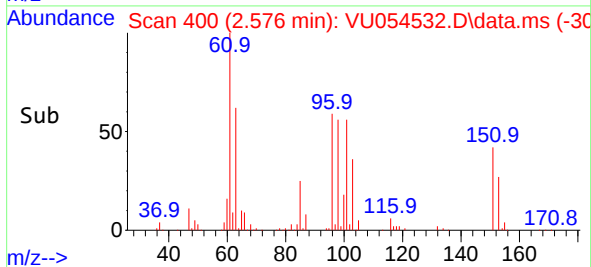
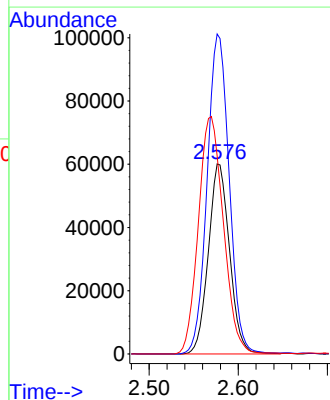
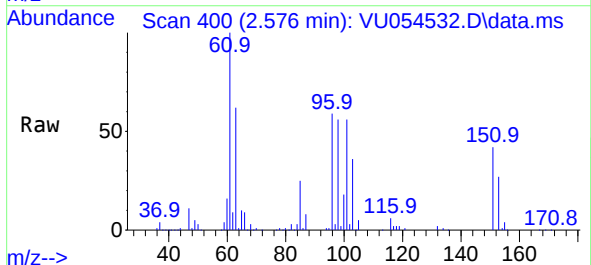
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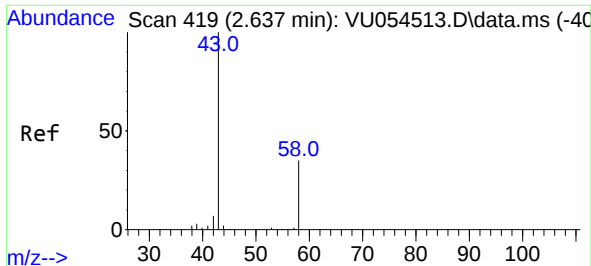
Tgt Ion:101 Resp: 109260
Ion Ratio Lower Upper
101 100
85 43.2 34.6 51.8
151 75.3 57.7 86.5



#12
1,1-Dichloroethene
Concen: 5.058 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 96 Resp: 99140
Ion Ratio Lower Upper
96 100
61 168.4 119.9 222.7
63 104.1 64.3 119.3





#13

Acetone

Concen: 37.404 ug/L

RT: 2.644 min Scan# 419

Delta R.T. -0.006 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

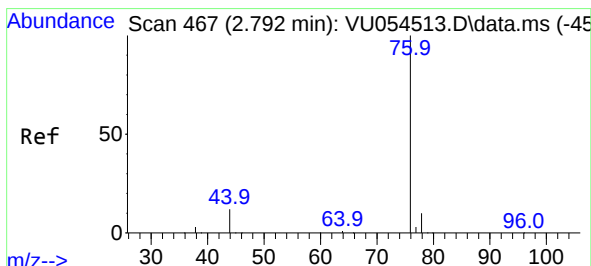
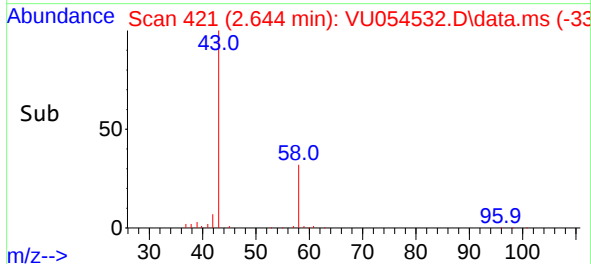
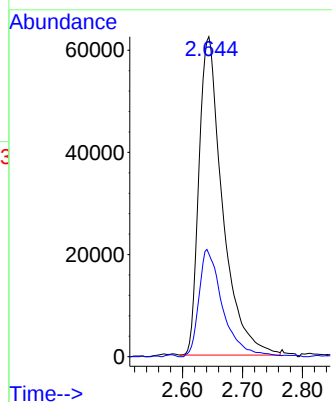
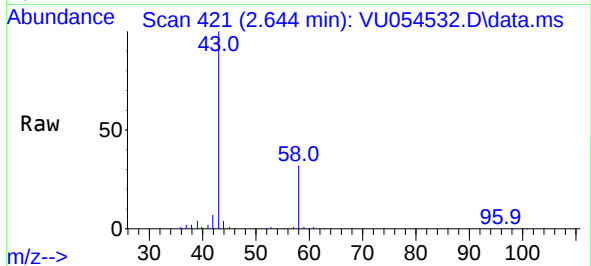
YBW77MS

Tgt Ion: 43 Resp: 170537

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2



#14

Carbon disulfide

Concen: 4.575 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054532.D

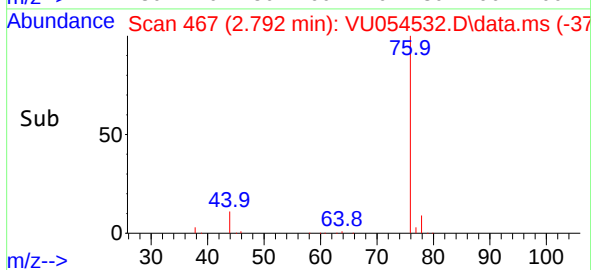
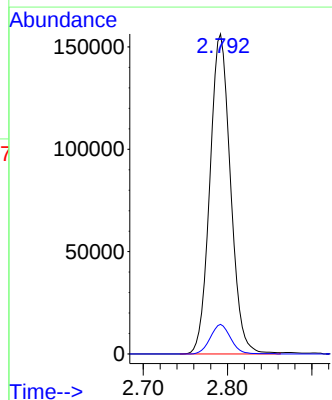
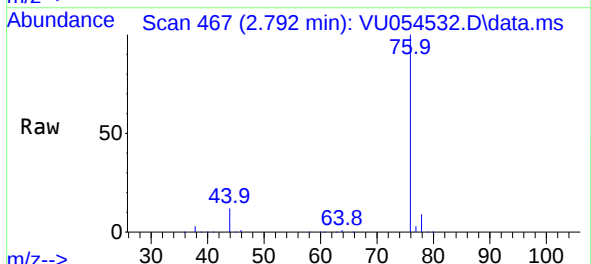
Acq: 15 Jun 2023 17:37

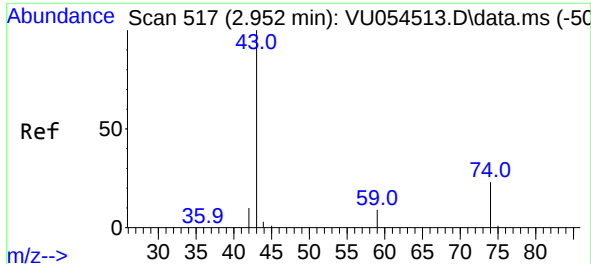
Tgt Ion: 76 Resp: 265935

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 4.749 ug/L

RT: 2.956 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

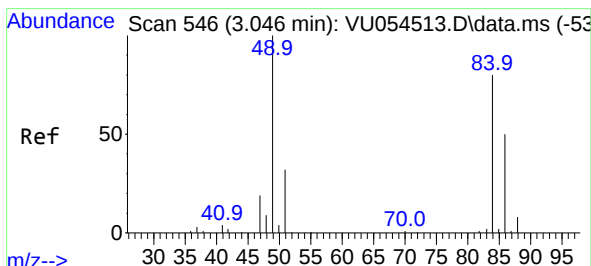
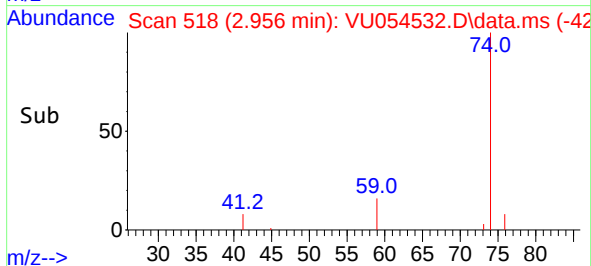
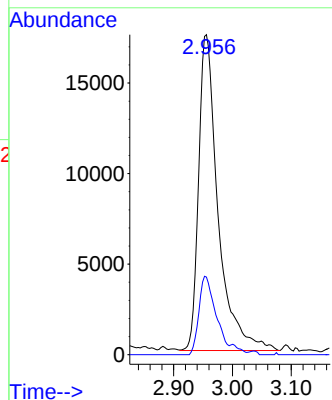
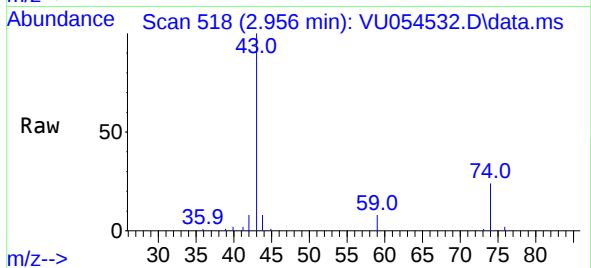
YBW77MS

Tgt Ion: 43 Resp: 40123

Ion Ratio Lower Upper

43 100

74 21.4 19.0 28.6



#16

Methylene chloride

Concen: 4.144 ug/L

RT: 3.042 min Scan# 545

Delta R.T. -0.003 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

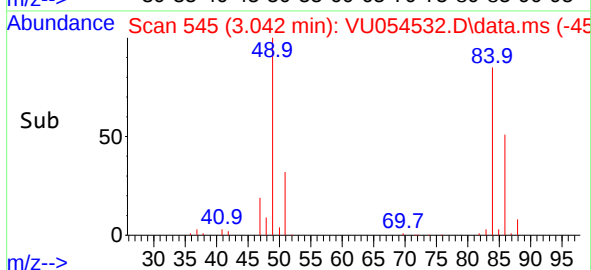
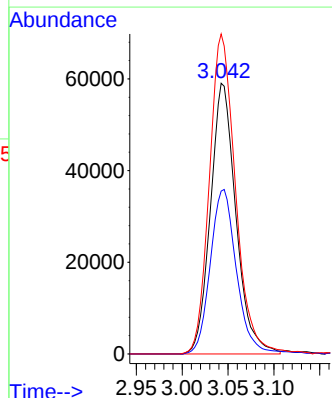
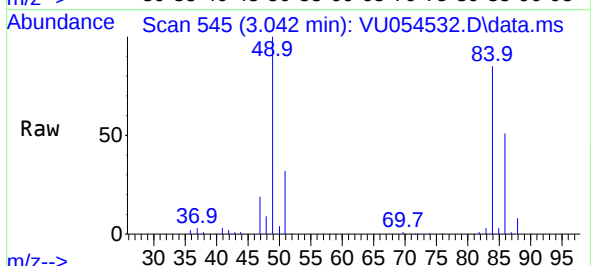
Tgt Ion: 84 Resp: 114215

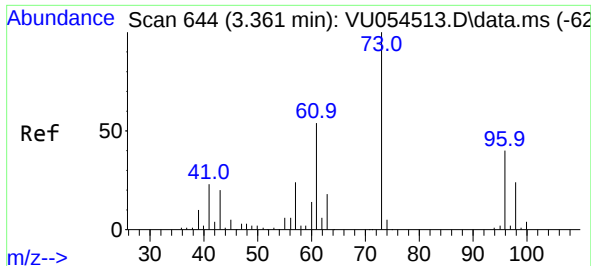
Ion Ratio Lower Upper

84 100

86 60.2 43.9 81.5

49 118.2 86.1 159.9

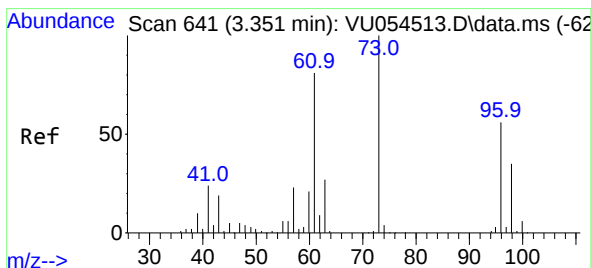
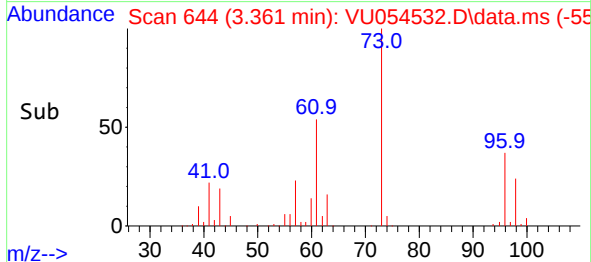
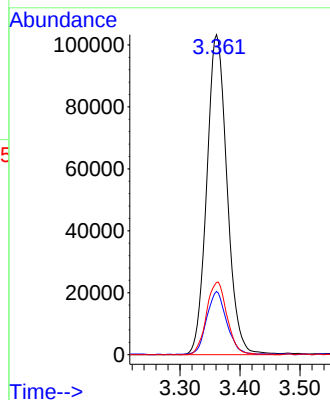
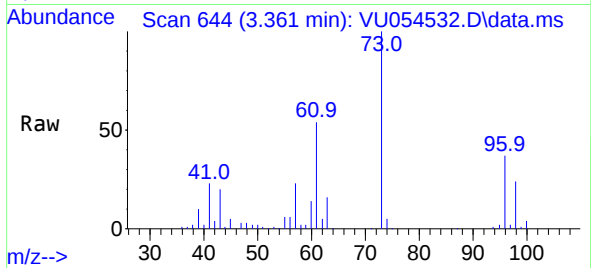




#17
Methyl tert-butyl Ether
Concen: 5.026 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

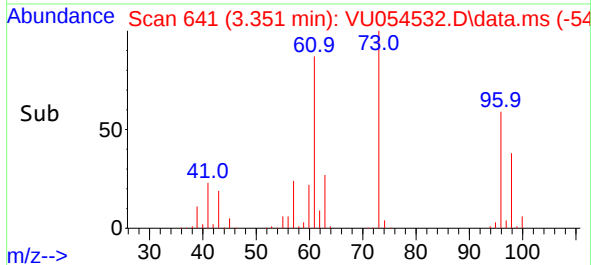
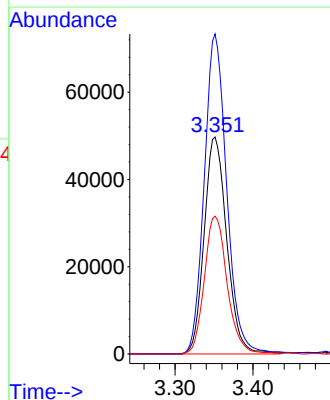
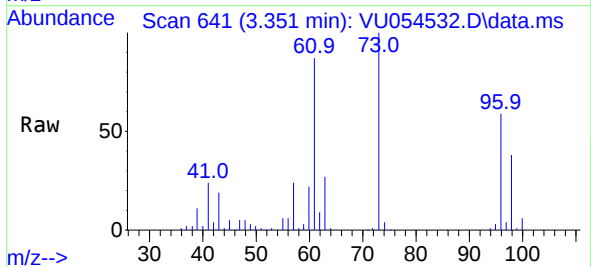
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

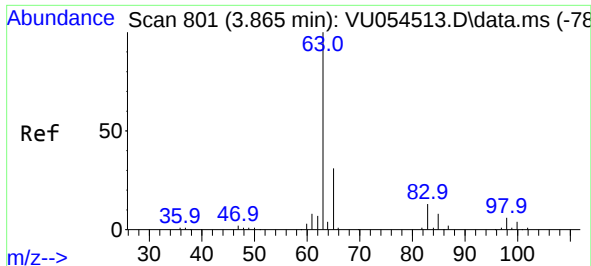
Tgt Ion: 73 Resp: 243144
Ion Ratio Lower Upper
73 100
43 19.2 15.7 23.5
57 23.1 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.971 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 96 Resp: 100599
Ion Ratio Lower Upper
96 100
61 147.5 104.6 194.2
98 63.5 45.4 84.4

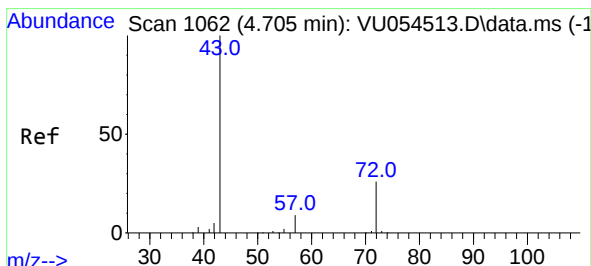
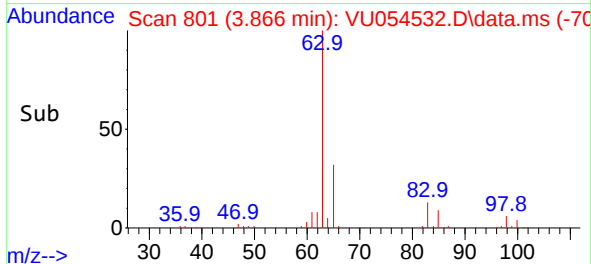
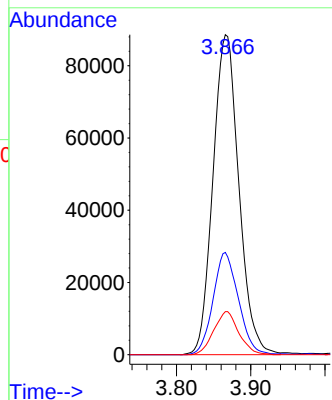
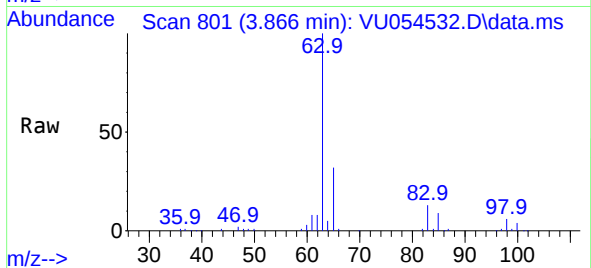




#19
1,1-Dichloroethane
Concen: 5.122 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

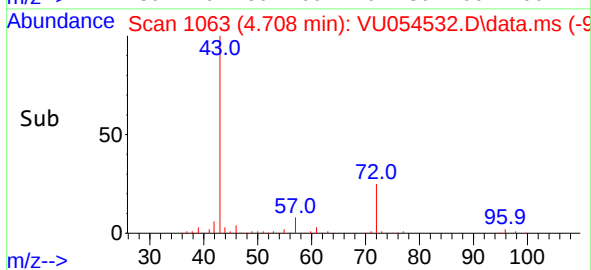
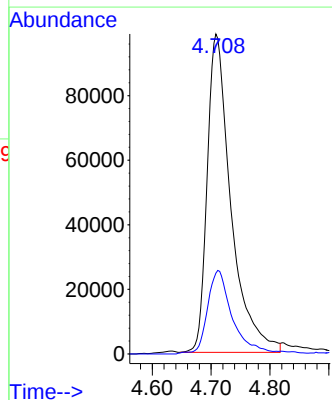
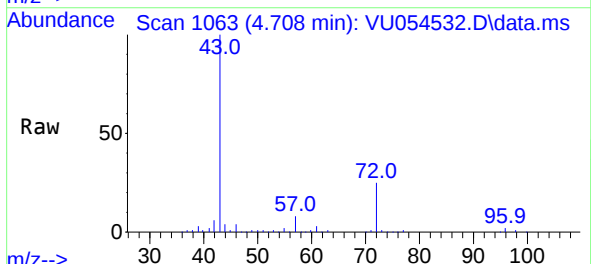
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

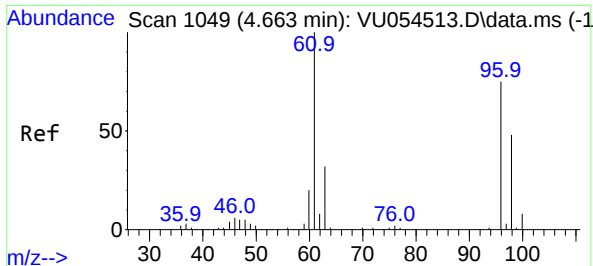
Tgt Ion: 63 Resp: 214505
Ion Ratio Lower Upper
63 100
65 32.0 22.2 41.2
83 13.5 9.0 16.6



#21
2-Butanone
Concen: 46.729 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 43 Resp: 276507
Ion Ratio Lower Upper
43 100
72 27.2 13.4 40.1



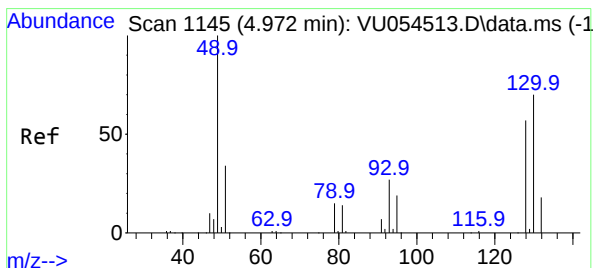
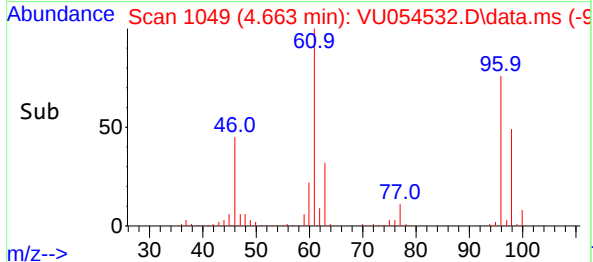
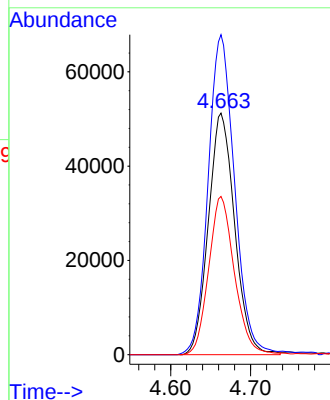
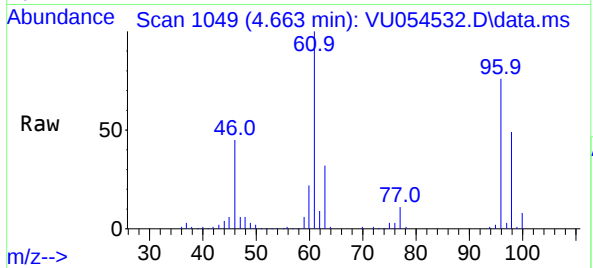


#22
 cis-1,2-Dichloroethene
 Concen: 5.083 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054532.D
 Acq: 15 Jun 2023 17:37

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MS

Tgt Ion: 96 Resp: 117148

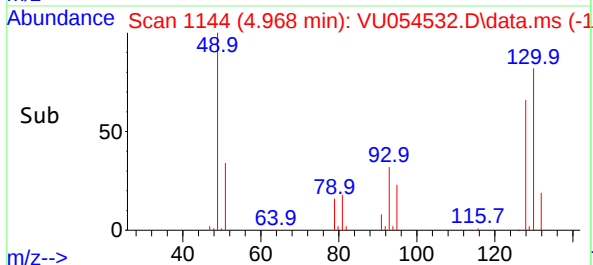
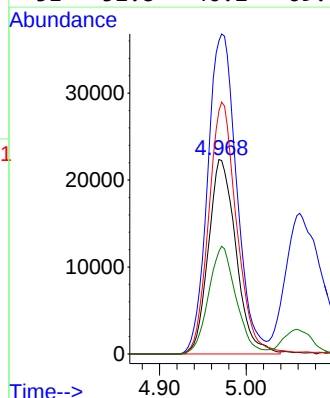
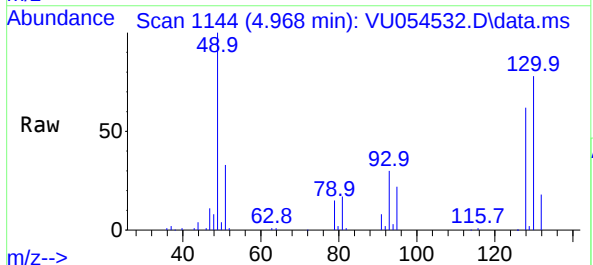
Ion	Ratio	Lower	Upper
96	100		
61	132.4	96.5	179.1
98	65.5	44.9	83.3

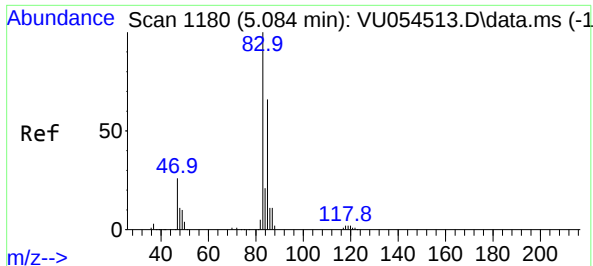


#23
 Bromochloromethane
 Concen: 5.165 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054532.D
 Acq: 15 Jun 2023 17:37

Tgt Ion: 128 Resp: 49528

Ion	Ratio	Lower	Upper
128	100		
49	161.0	132.1	245.3
130	125.0	91.5	169.9
51	52.8	46.2	69.4





#25

Chloroform

Concen: 5.241 ug/L

RT: 5.084 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

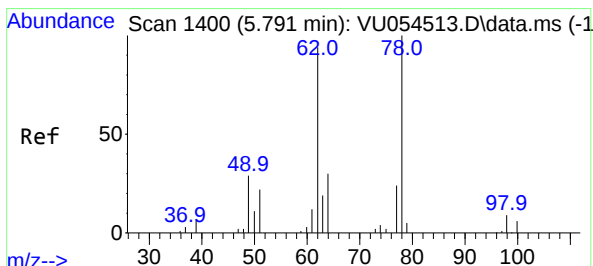
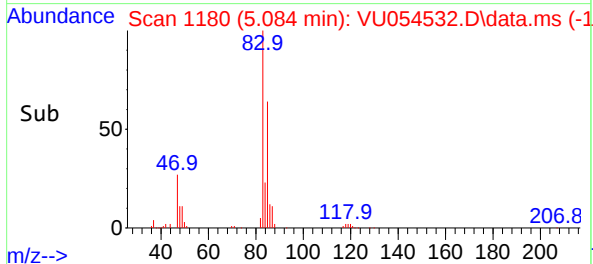
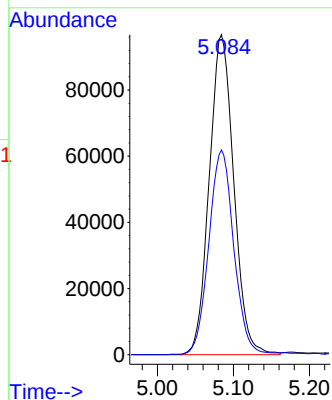
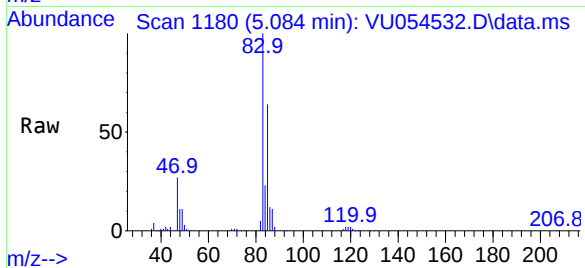
YBW77MS

Tgt Ion: 83 Resp: 216396

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9



#27

1,2-Dichloroethane

Concen: 5.176 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU054532.D

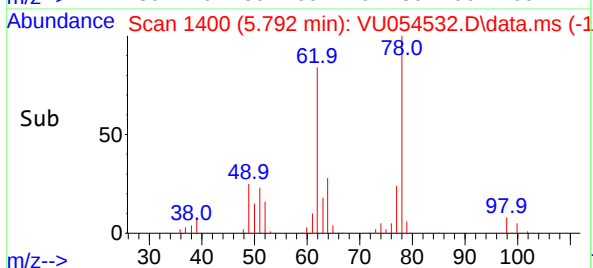
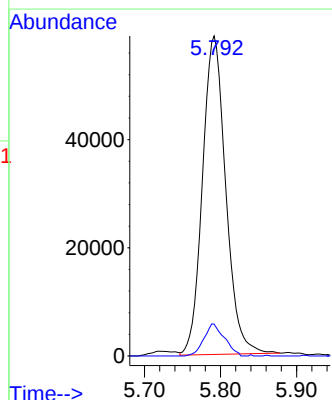
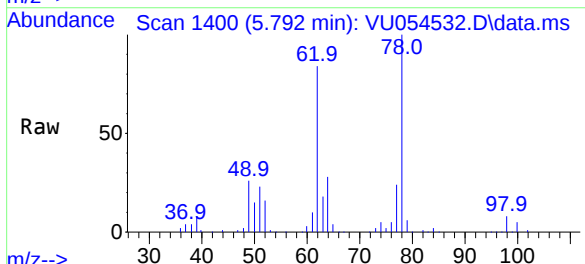
Acq: 15 Jun 2023 17:37

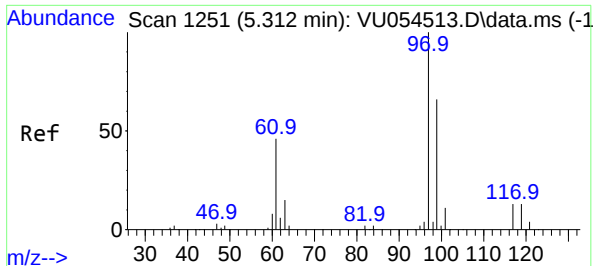
Tgt Ion: 62 Resp: 125272

Ion Ratio Lower Upper

62 100

98 9.9 7.8 11.6

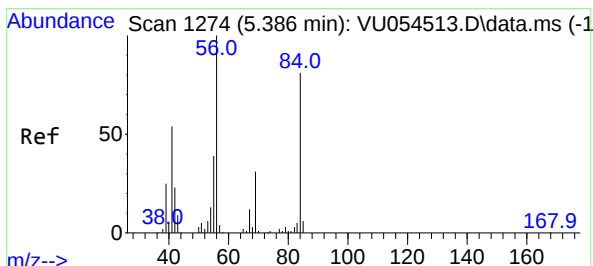
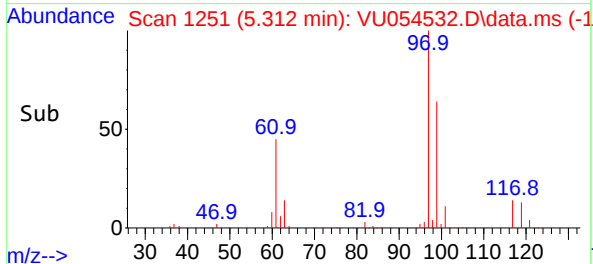
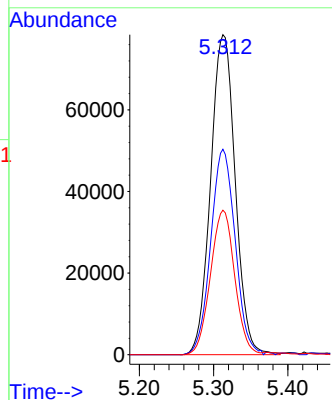
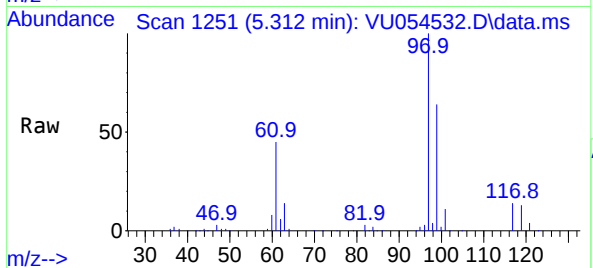




#29
1,1,1-Trichloroethane
Concen: 5.063 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

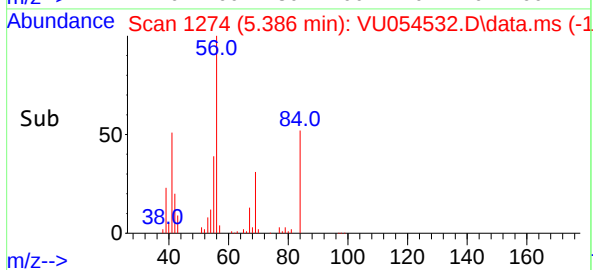
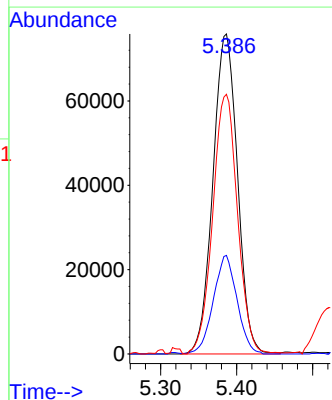
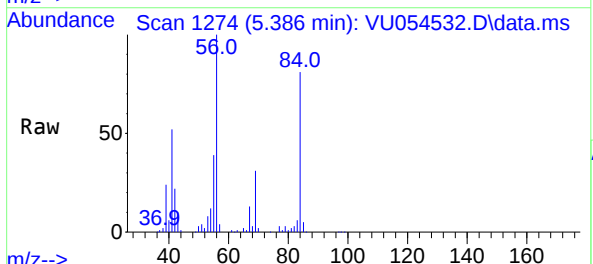
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

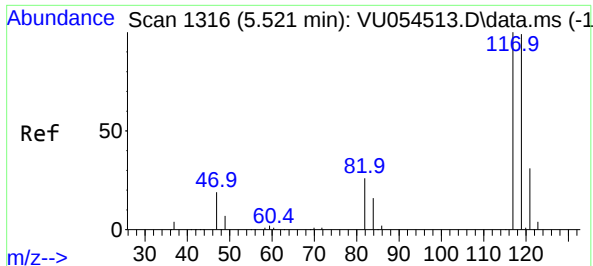
Tgt Ion: 97 Resp: 180748
Ion Ratio Lower Upper
97 100
99 63.8 50.8 76.2
61 44.5 36.1 54.1



#30
Cyclohexane
Concen: 4.380 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 56 Resp: 170302
Ion Ratio Lower Upper
56 100
69 29.8 23.9 35.9
84 81.9 63.0 94.6

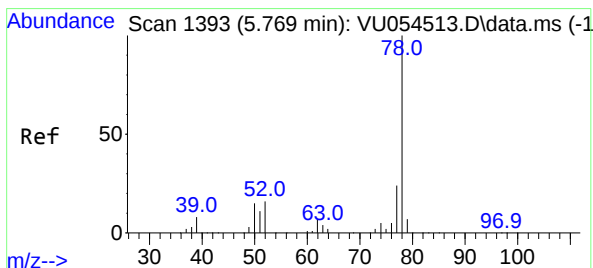
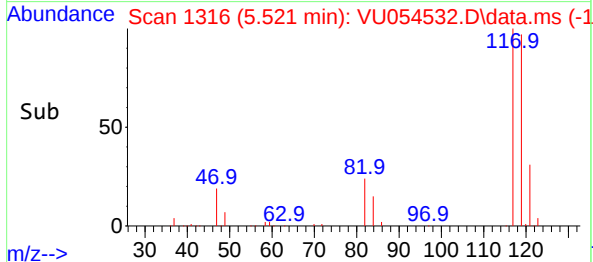
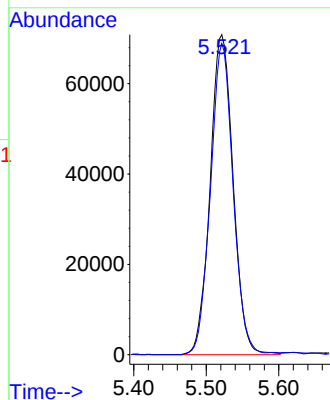
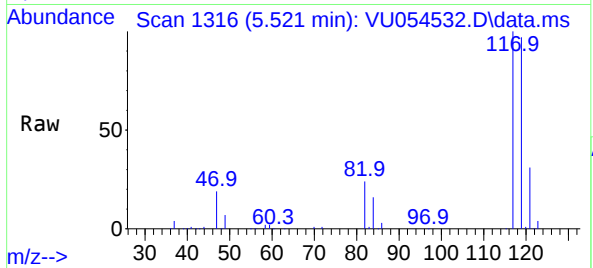




#31
Carbon tetrachloride
Concen: 5.078 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

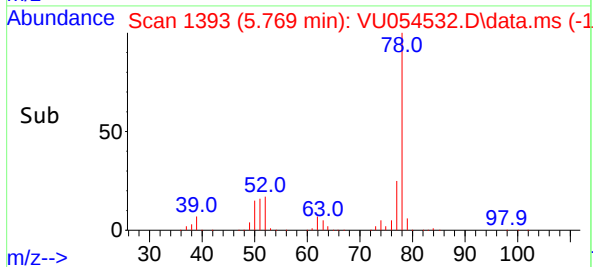
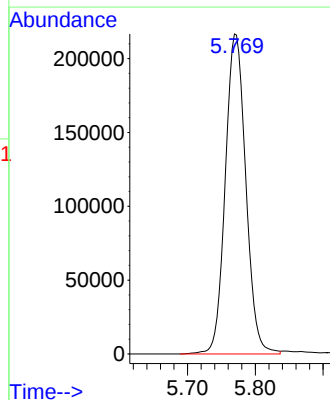
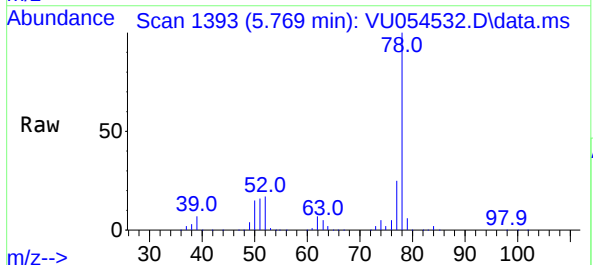
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

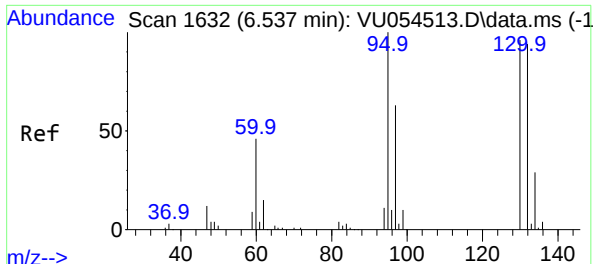
Tgt Ion:117 Resp: 156208
Ion Ratio Lower Upper
117 100
119 95.4 76.8 115.2



#33
Benzene
Concen: 4.822 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 78 Resp: 456266

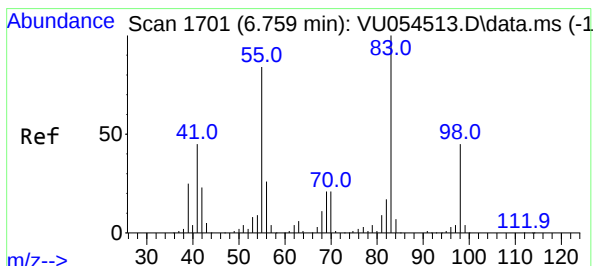
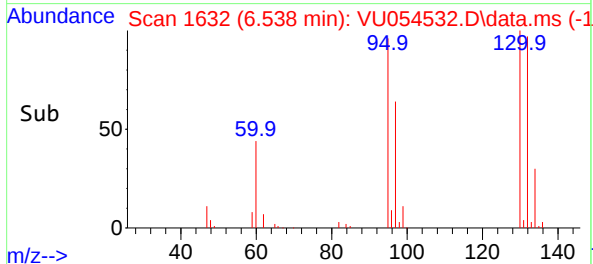
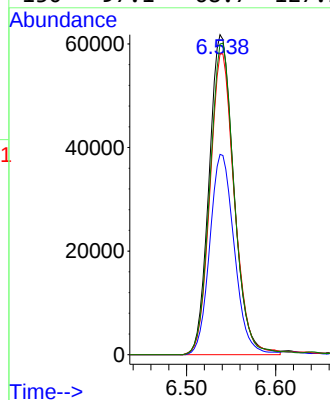
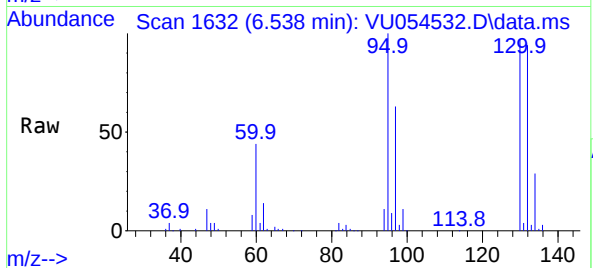




#34
Trichloroethene
Concen: 4.763 ug/L
RT: 6.538 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

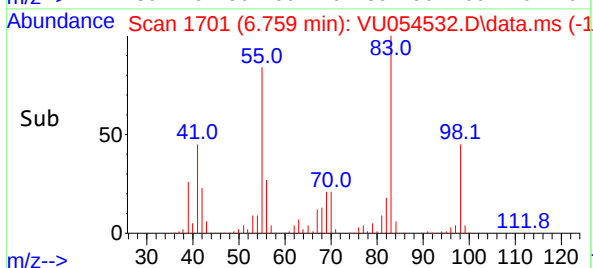
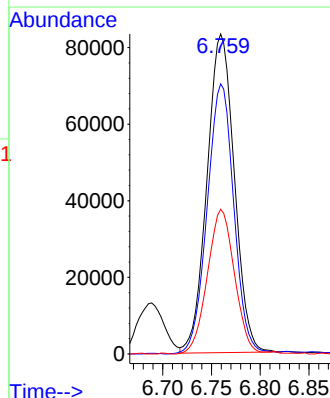
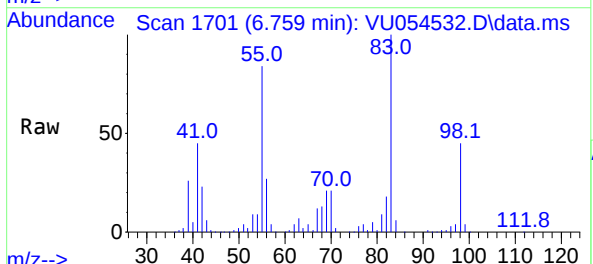
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

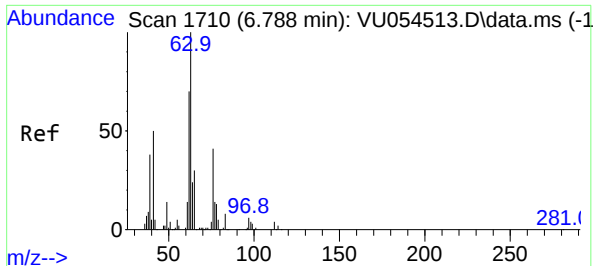
Tgt Ion: 95 Resp: 119174
Ion Ratio Lower Upper
95 100
97 62.6 46.8 87.0
132 94.0 68.4 127.0
130 97.1 68.7 127.5



#35
Methylcyclohexane
Concen: 4.293 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 83 Resp: 162363
Ion Ratio Lower Upper
83 100
55 82.9 67.1 100.7
98 45.0 35.1 52.7

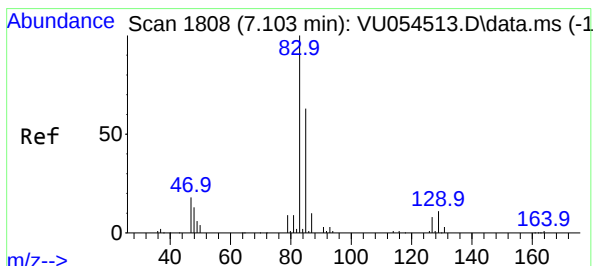
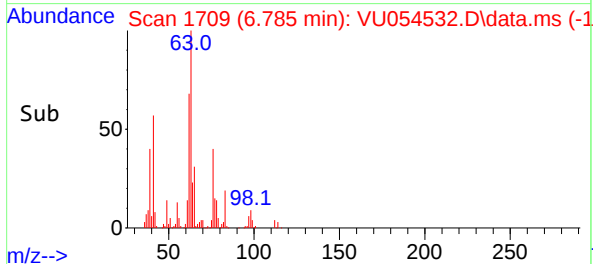
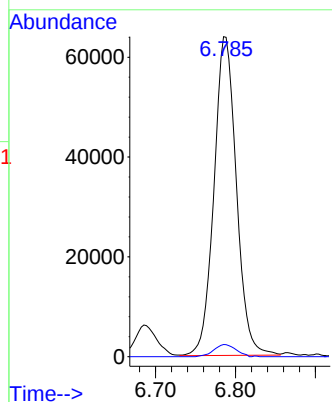
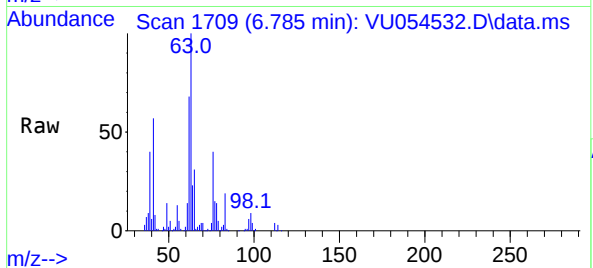




#37
1,2-Dichloropropane
Concen: 4.858 ug/L
RT: 6.785 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

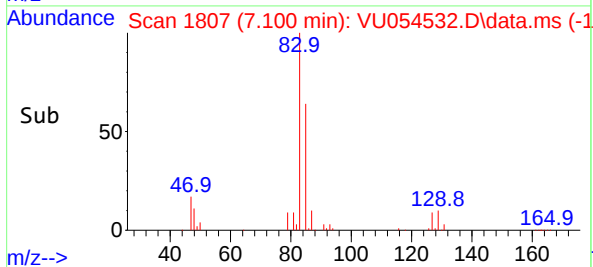
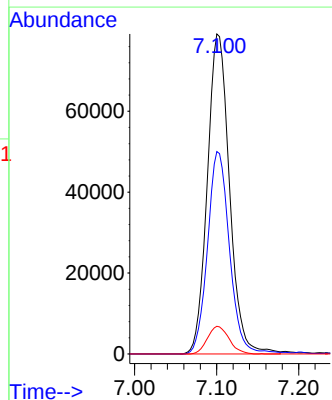
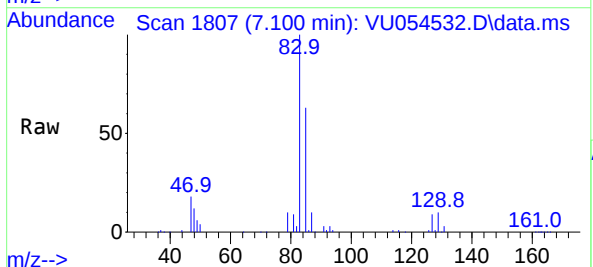
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

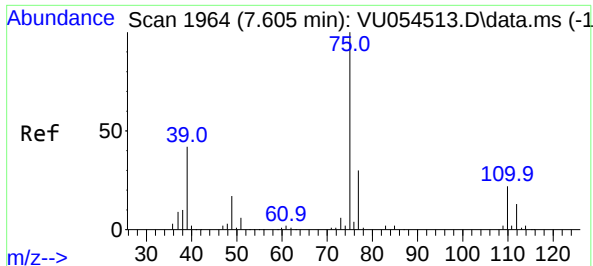
Tgt Ion: 63 Resp: 124281
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.6



#38
Bromodichloromethane
Concen: 5.136 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 83 Resp: 148739
Ion Ratio Lower Upper
83 100
85 63.3 44.1 81.9
127 8.7 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.875 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

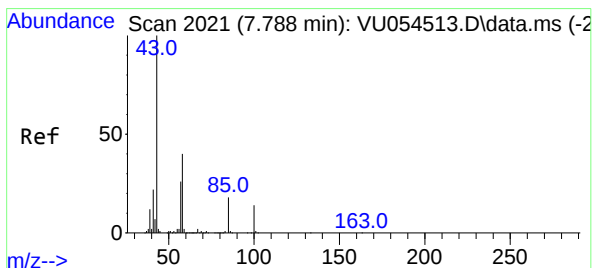
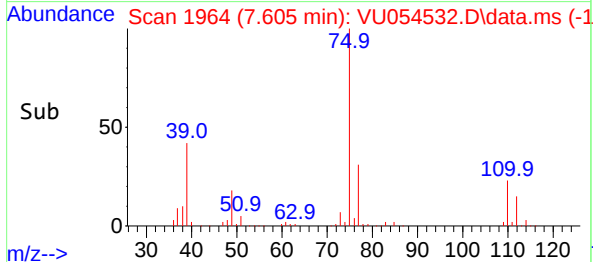
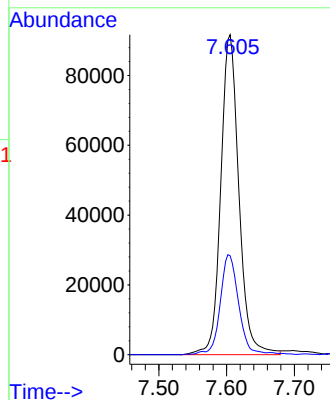
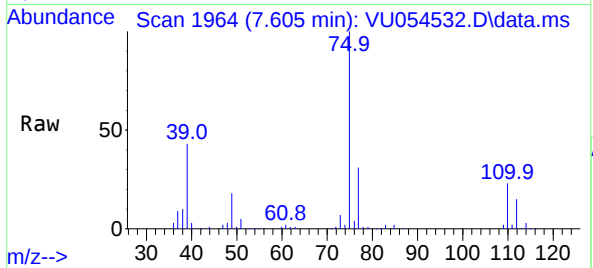
YBW77MS

Tgt Ion: 75 Resp: 170264

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 48.365 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

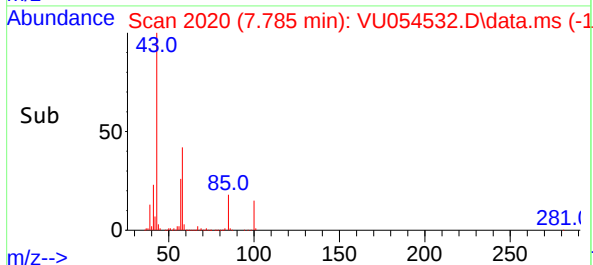
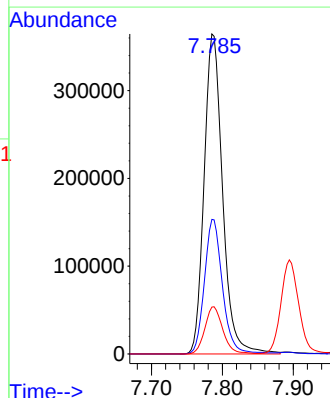
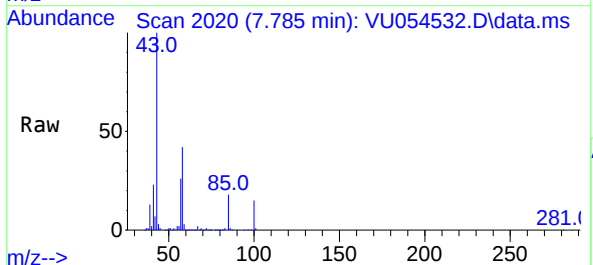
Tgt Ion: 43 Resp: 660323

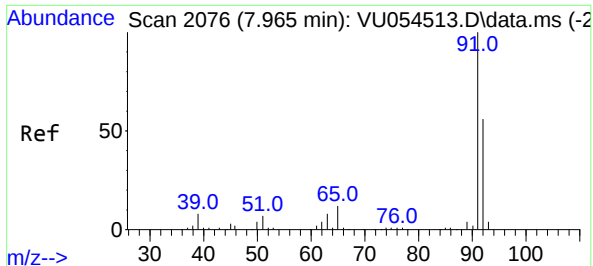
Ion Ratio Lower Upper

43 100

58 41.0 32.4 48.6

100 14.4 11.4 17.2





#42

Toluene

Concen: 5.054 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

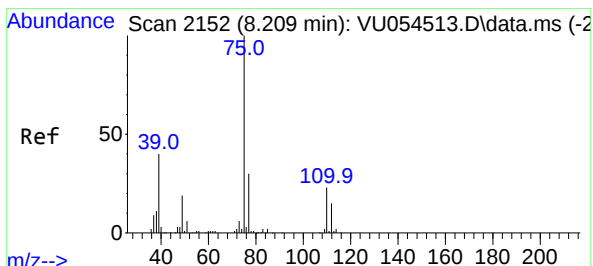
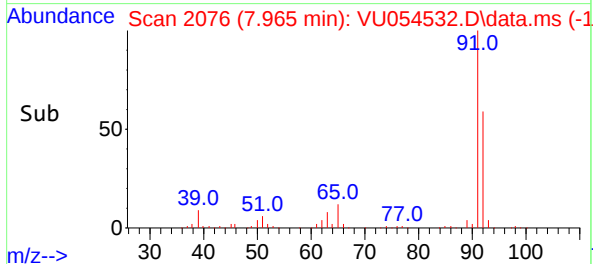
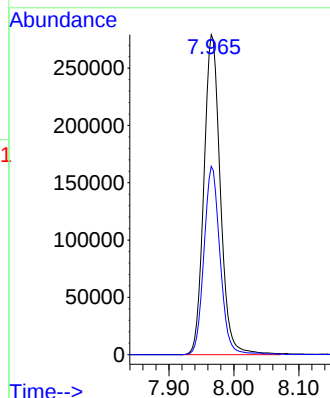
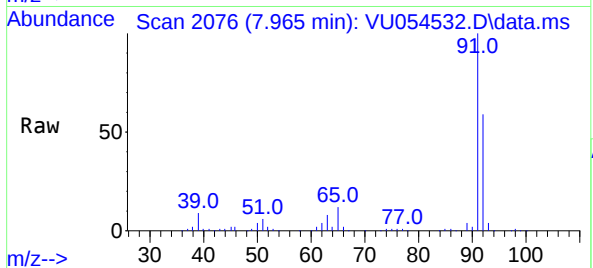
YBW77MS

Tgt Ion: 91 Resp: 492494

Ion Ratio Lower Upper

91 100

92 58.8 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.990 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054532.D

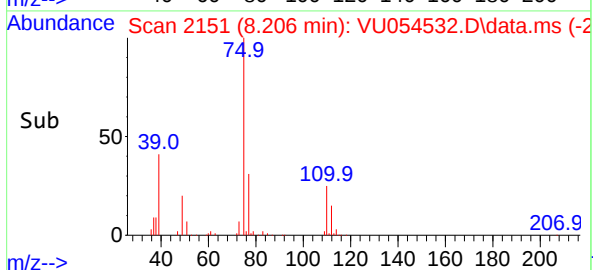
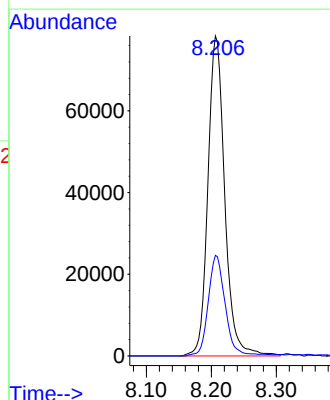
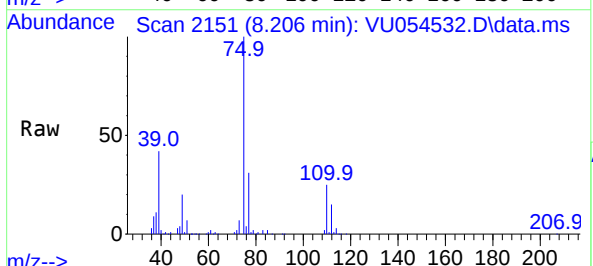
Acq: 15 Jun 2023 17:37

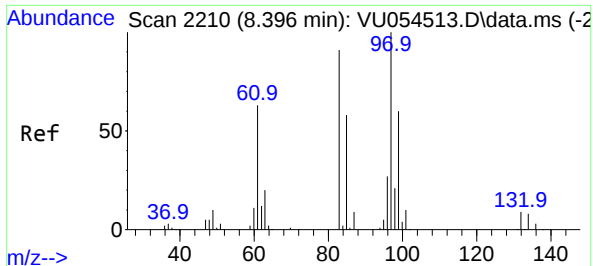
Tgt Ion: 75 Resp: 141449

Ion Ratio Lower Upper

75 100

77 31.5 21.3 39.6



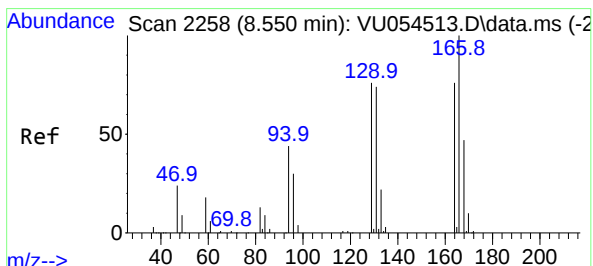
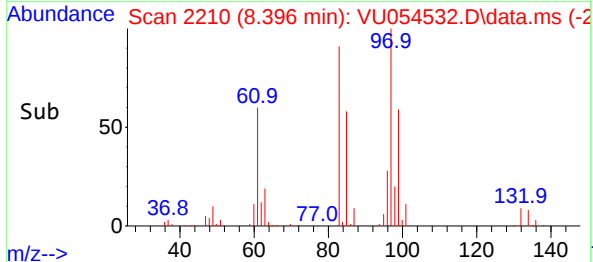
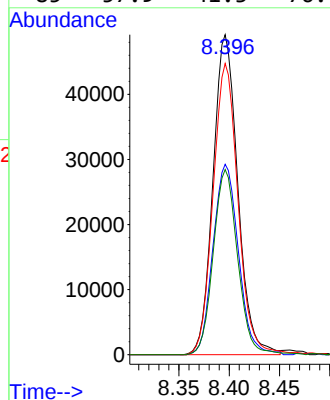
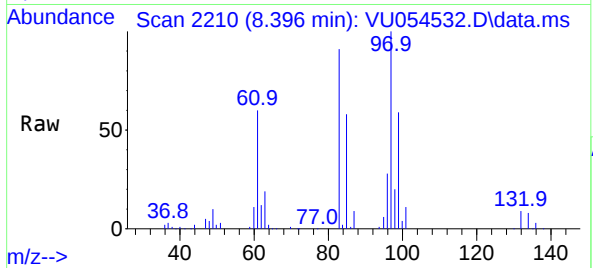


#45
1,1,2-Trichloroethane
Concen: 5.181 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

Tgt Ion: 97 Resp: 84320

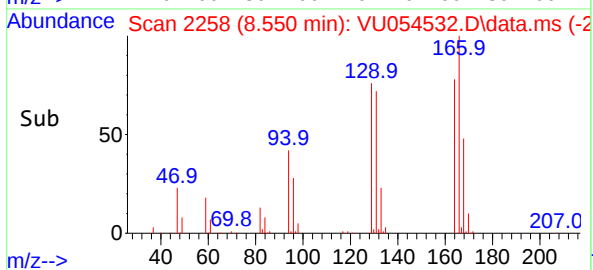
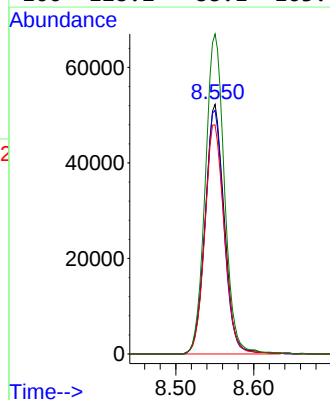
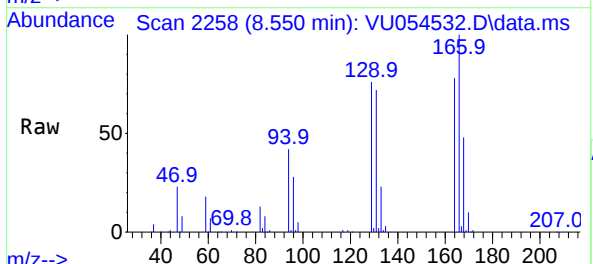
Ion	Ratio	Lower	Upper
97	100		
99	59.5	43.0	80.0
83	91.0	63.8	118.6
85	57.9	41.3	76.7

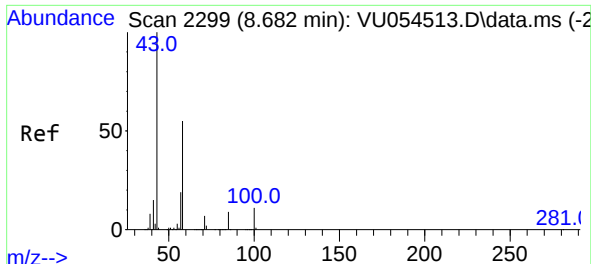


#47
Tetrachloroethene
Concen: 4.657 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 164 Resp: 89191

Ion	Ratio	Lower	Upper
164	100		
129	97.6	67.7	125.7
131	91.8	64.6	120.0
166	128.2	88.1	163.7



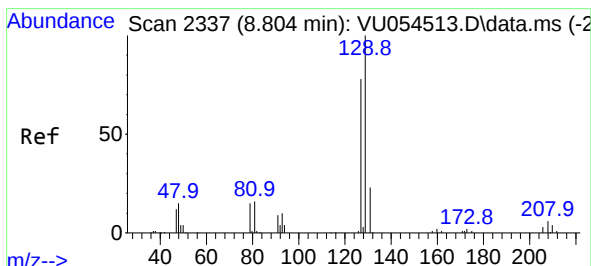
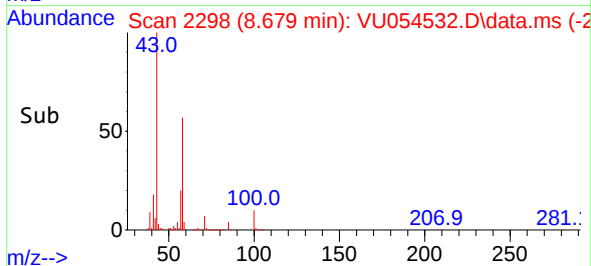
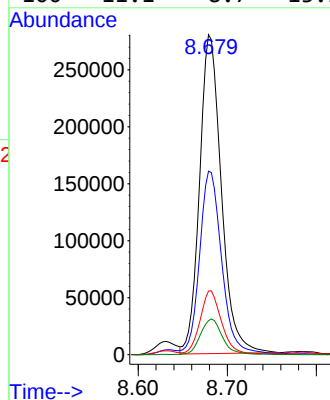
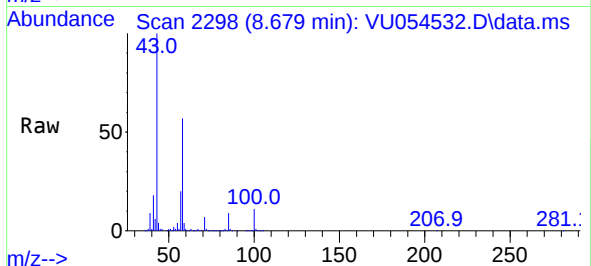


#48
2-Hexanone
Concen: 46.879 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

Tgt Ion: 43 Resp: 476899

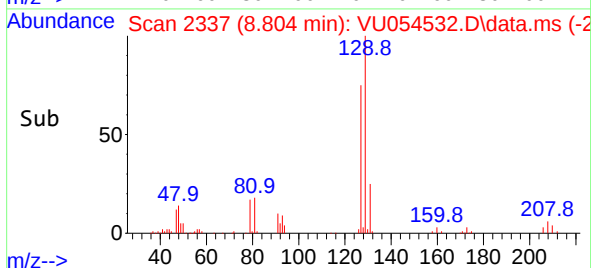
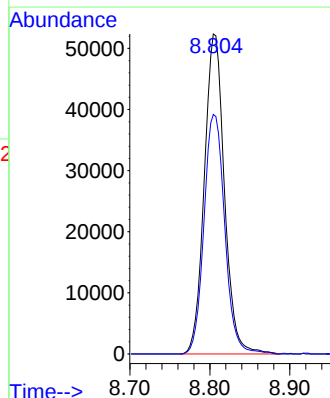
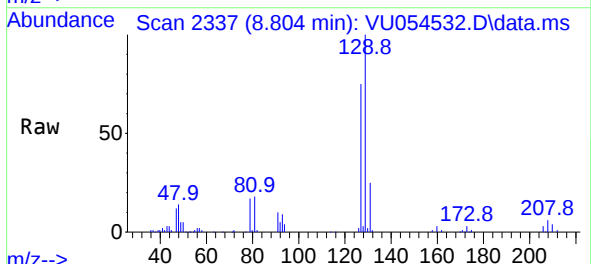
Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.2	67.8
57	19.6	15.8	23.6
100	11.1	8.7	13.1

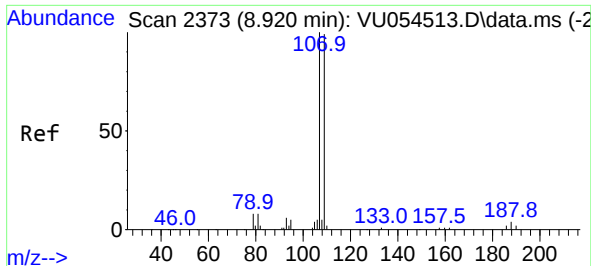


#49
Dibromochloromethane
Concen: 5.367 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 129 Resp: 91721

Ion	Ratio	Lower	Upper
129	100		
127	74.8	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.085 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

YBW77MS

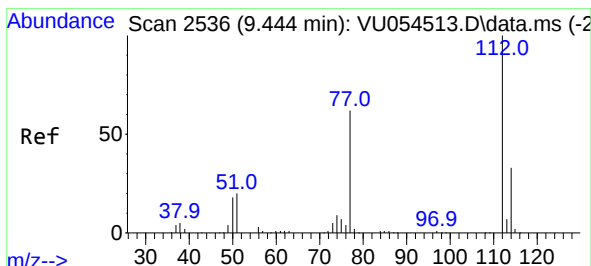
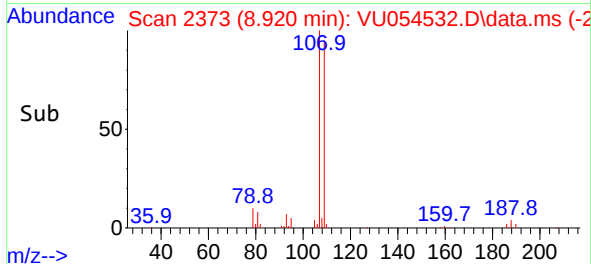
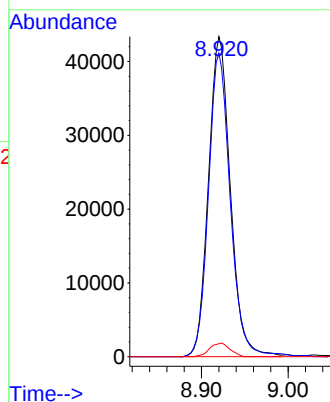
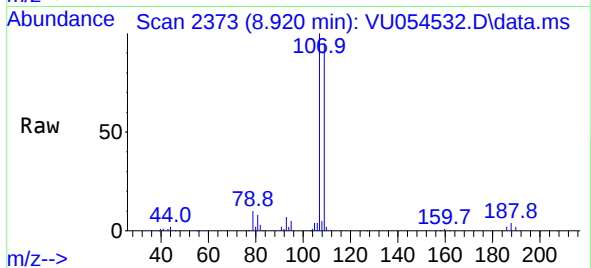
Tgt Ion:107 Resp: 75980

Ion Ratio Lower Upper

107 100

109 94.9 66.6 123.6

188 4.1 3.1 4.7



#51

Chlorobenzene

Concen: 4.976 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

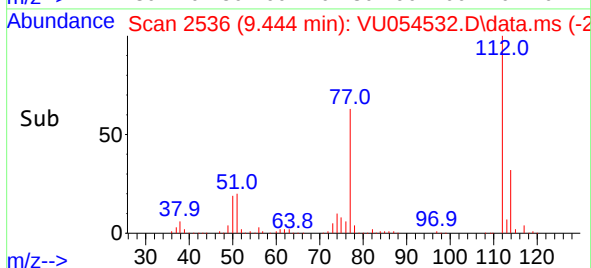
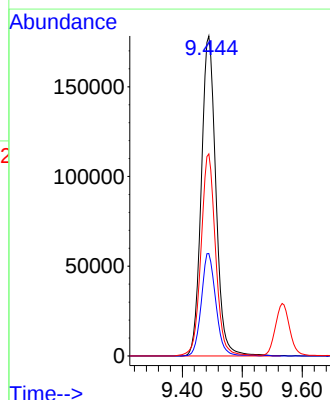
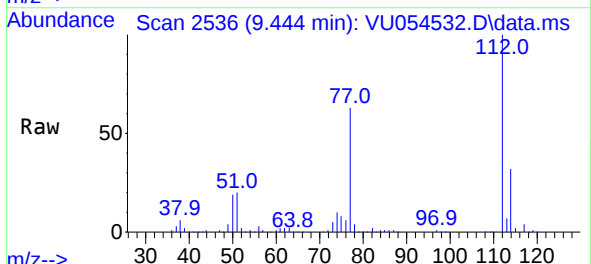
Tgt Ion:112 Resp: 302249

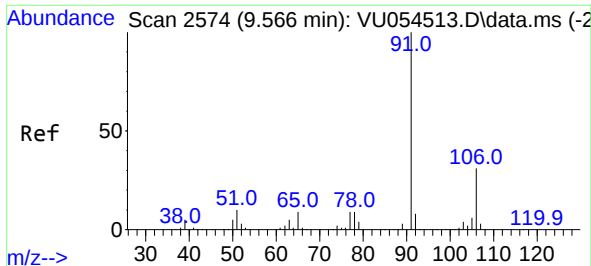
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

77 63.1 49.8 74.8

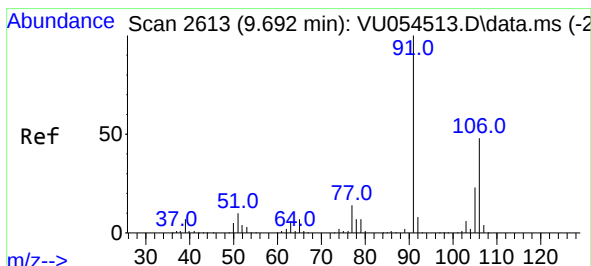
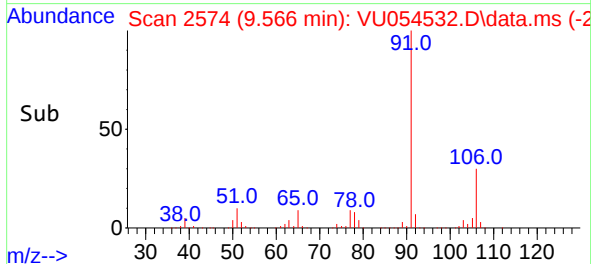
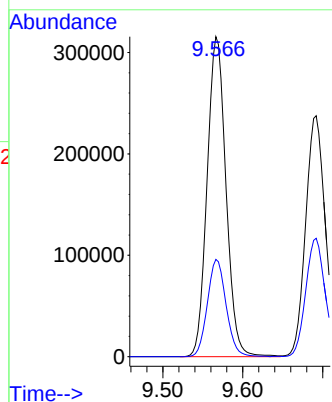
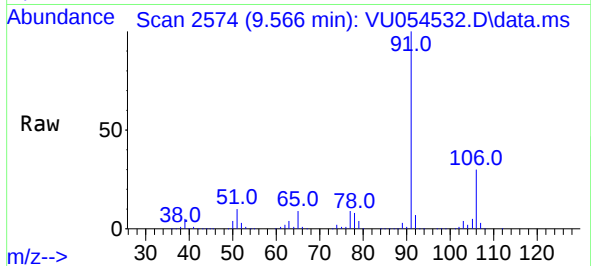




#52
Ethylbenzene
Concen: 4.865 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

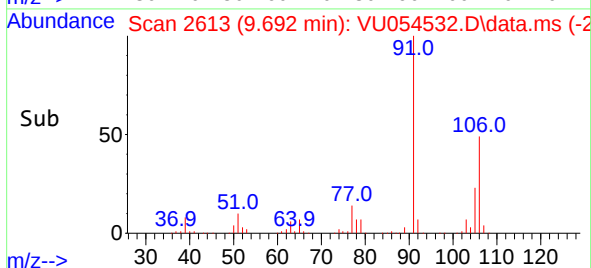
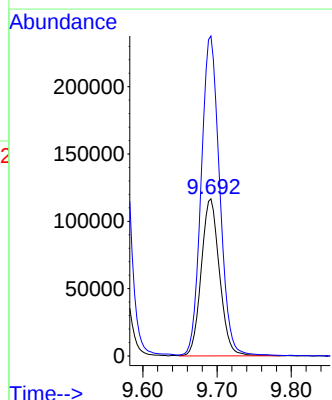
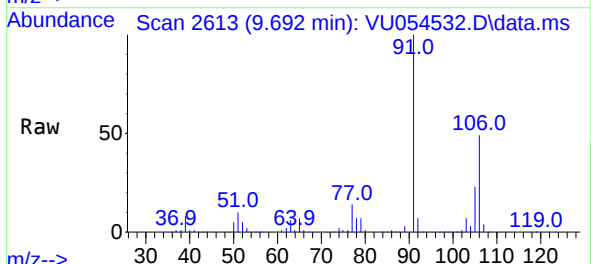
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

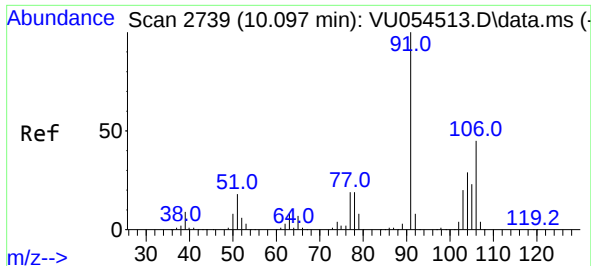
Tgt Ion: 91 Resp: 517721
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 5.081 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 106 Resp: 198639
Ion Ratio Lower Upper
106 100
91 203.6 147.0 273.0

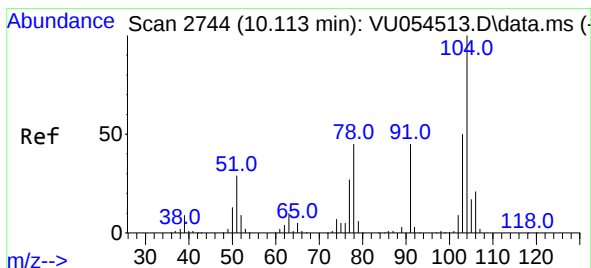
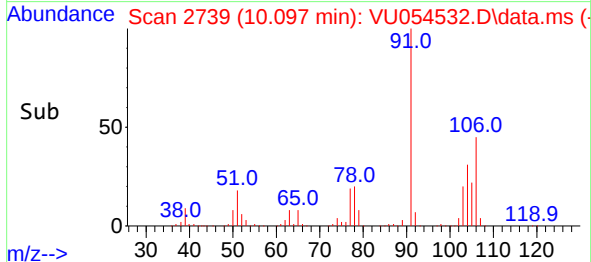
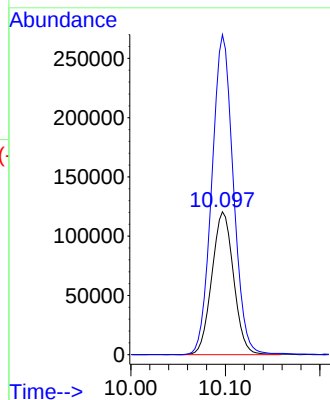
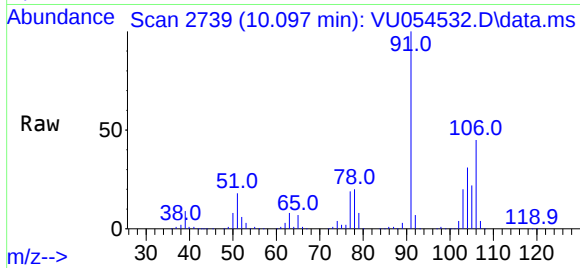




#54
o-Xylene
Concen: 5.095 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

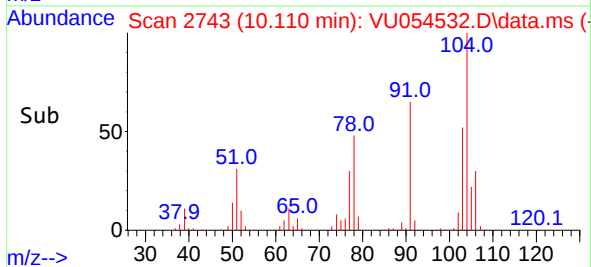
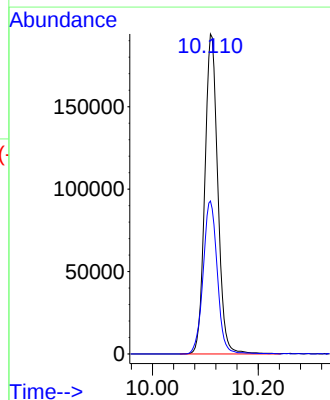
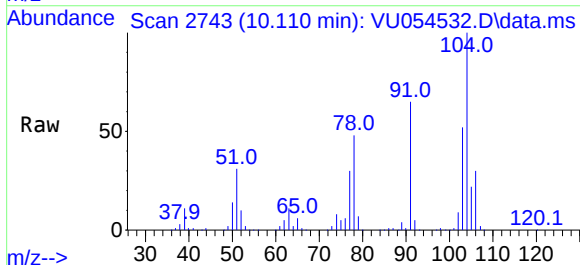
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

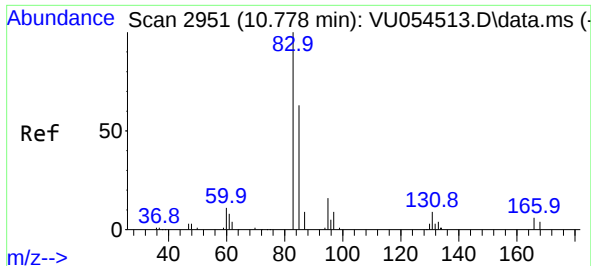
Tgt Ion:106 Resp: 192627
Ion Ratio Lower Upper
106 100
91 224.0 154.5 286.9



#55
Styrene
Concen: 5.205 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion:104 Resp: 330264
Ion Ratio Lower Upper
104 100
78 47.8 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.938 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

YBW77MS

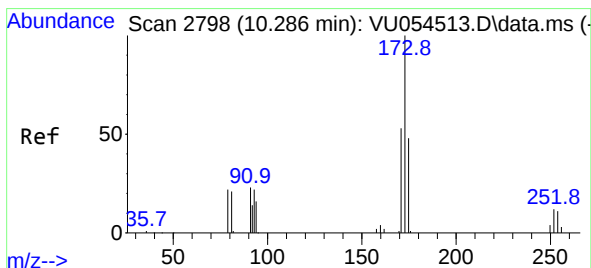
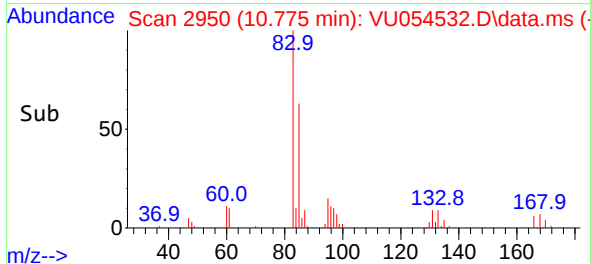
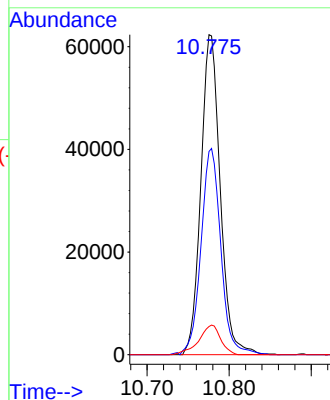
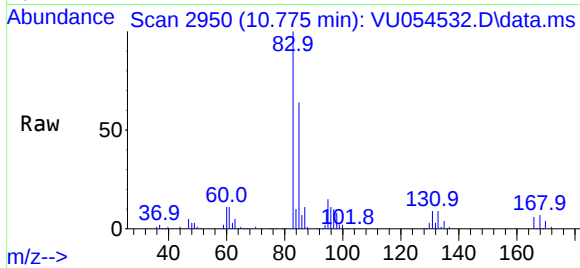
Tgt Ion: 83 Resp: 102079

Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.2

131 8.8 7.0 10.6



#59

Bromoform

Concen: 5.448 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

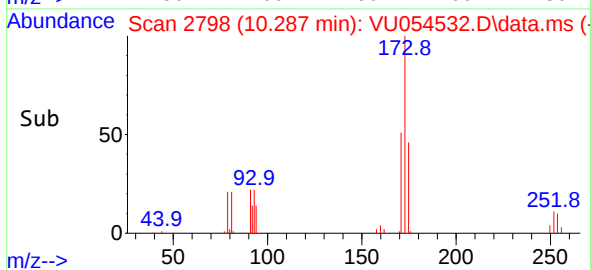
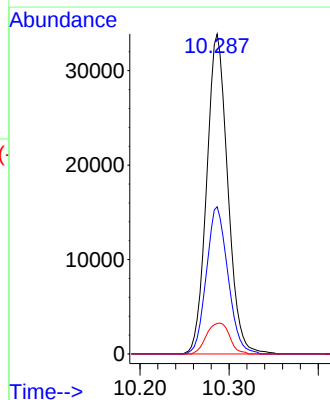
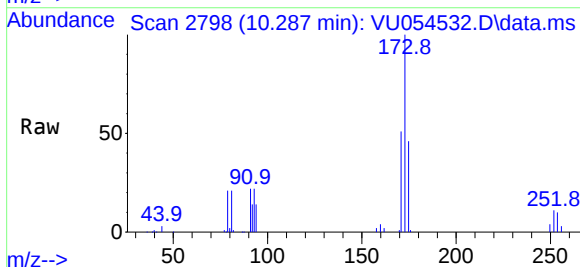
Tgt Ion:173 Resp: 55573

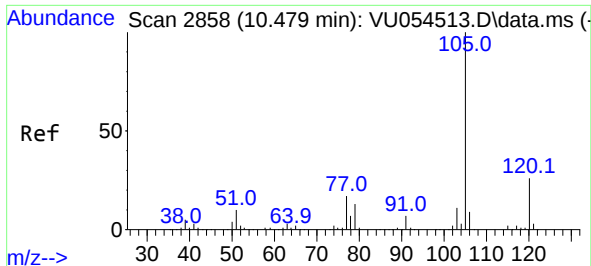
Ion Ratio Lower Upper

173 100

175 47.0 39.4 59.0

254 10.6 8.6 12.8

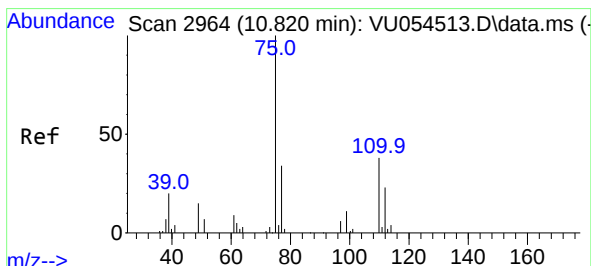
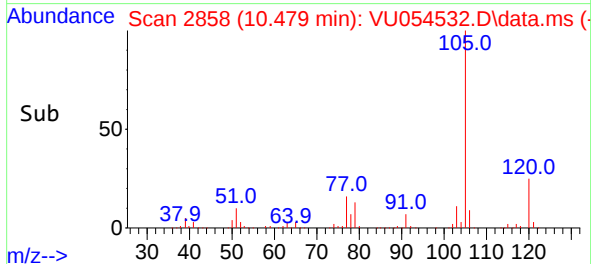
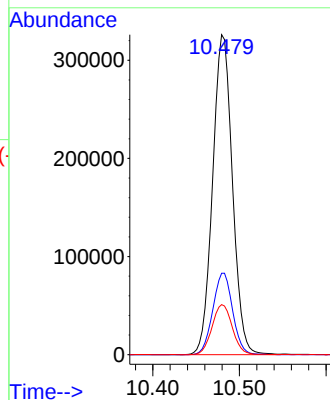
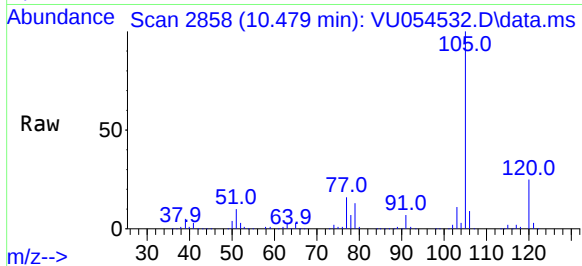




#60
Isopropylbenzene
Concen: 4.983 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

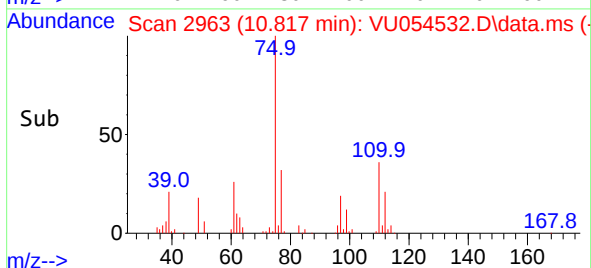
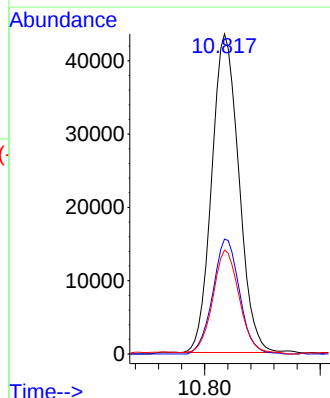
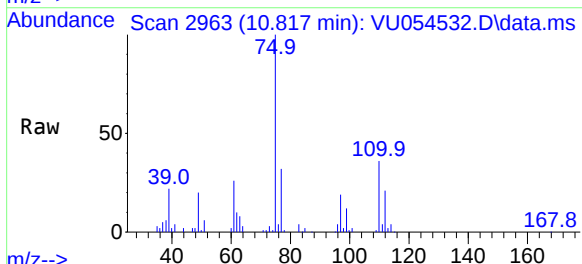
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

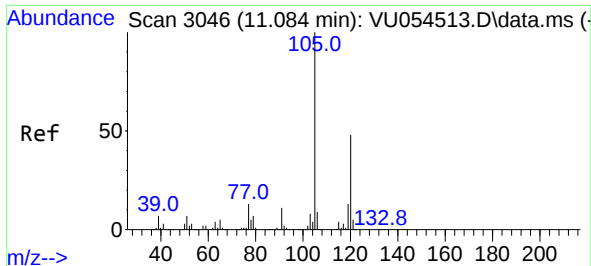
Tgt Ion:105 Resp: 517935
Ion Ratio Lower Upper
105 100
120 25.6 20.9 31.3
77 16.0 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.940 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion: 75 Resp: 70937
Ion Ratio Lower Upper
75 100
110 35.4 28.0 42.0
77 32.4 25.4 38.2

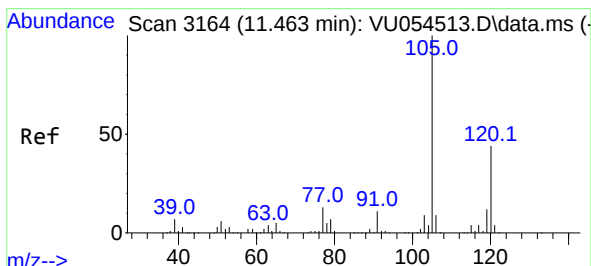
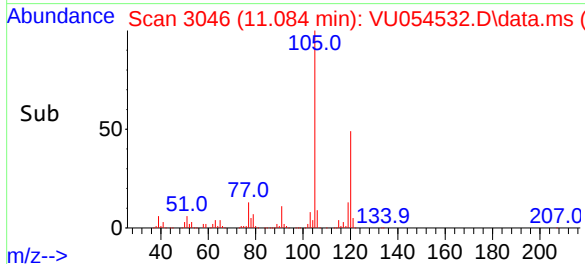
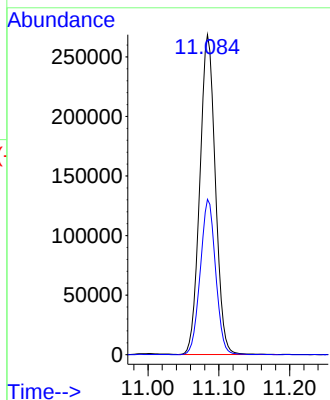
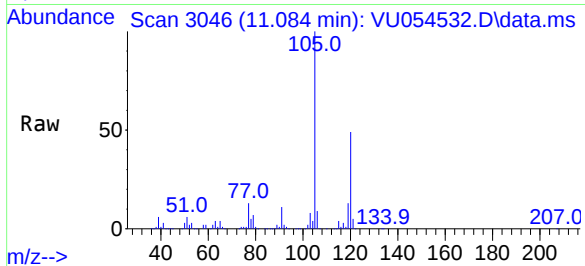




#62
1,3,5-Trimethylbenzene
Concen: 4.811 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

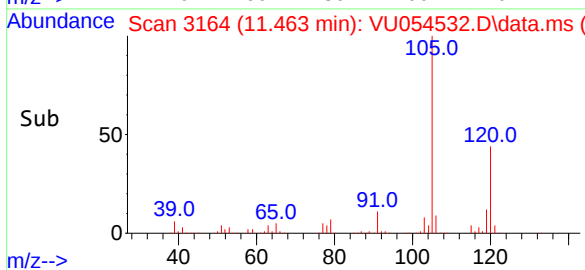
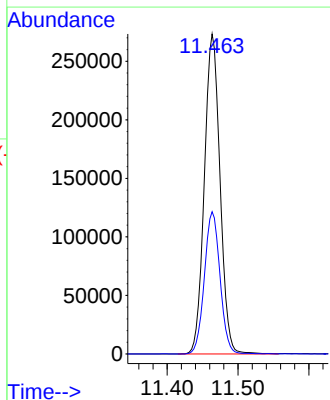
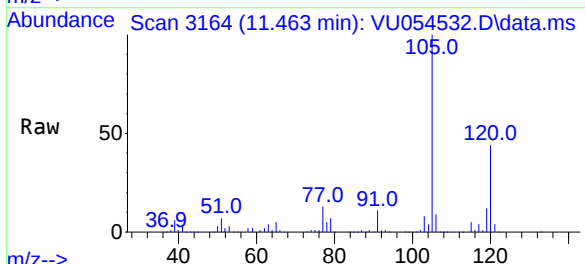
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

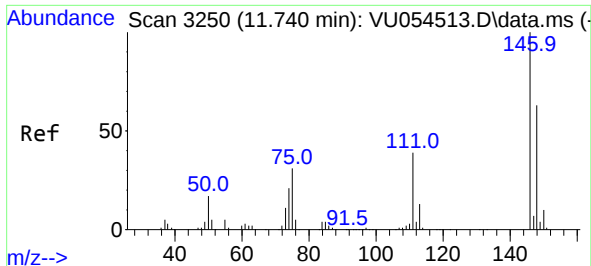
Tgt Ion:105 Resp: 407991
Ion Ratio Lower Upper
105 100
120 48.0 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 4.880 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion:105 Resp: 420319
Ion Ratio Lower Upper
105 100
120 44.3 35.4 53.0

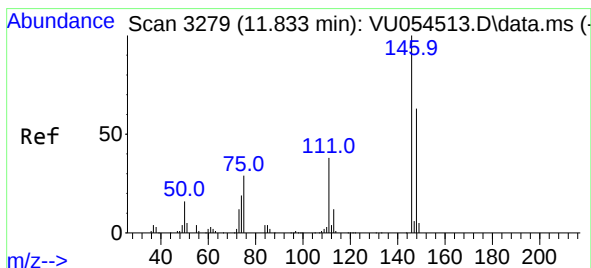
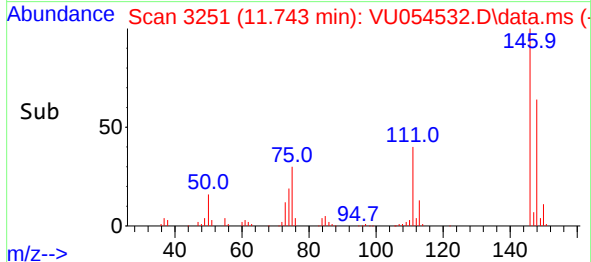
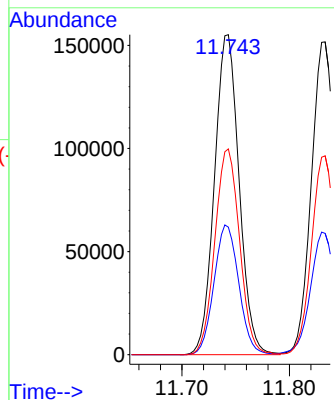
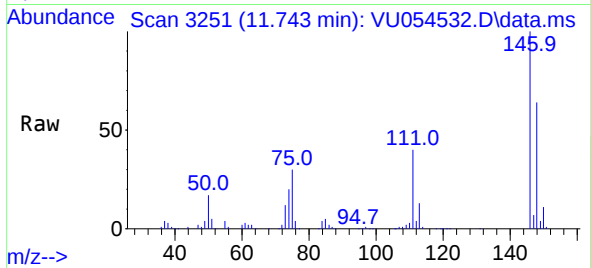




#64
1,3-Dichlorobenzene
Concen: 5.093 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

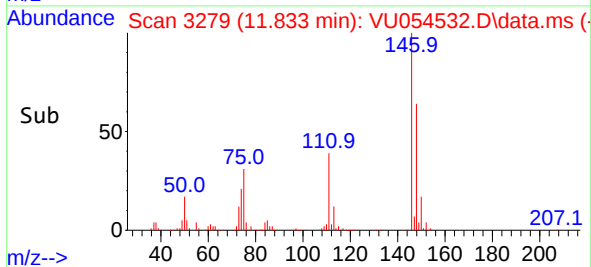
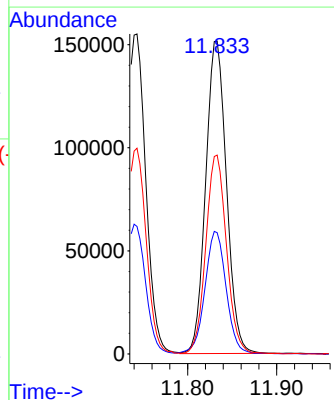
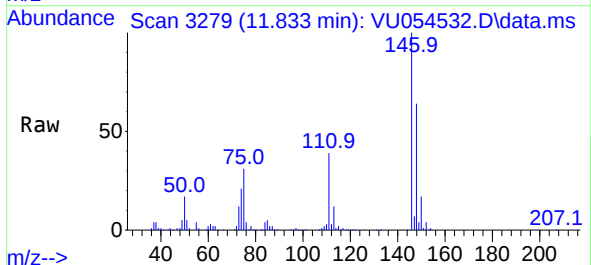
Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

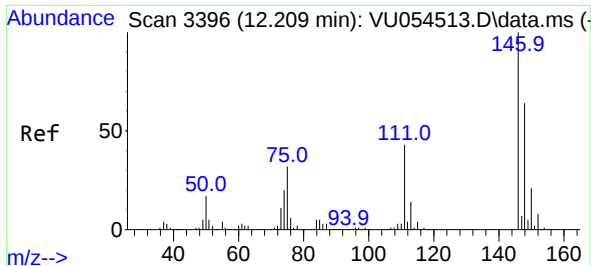
Tgt Ion:146 Resp: 247463
Ion Ratio Lower Upper
146 100
111 39.8 28.9 53.7
148 64.3 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.034 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion:146 Resp: 245477
Ion Ratio Lower Upper
146 100
111 38.8 28.0 52.0
148 63.6 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.086 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

Instrument :

MSVOA_U

ClientSampleId :

YBW77MS

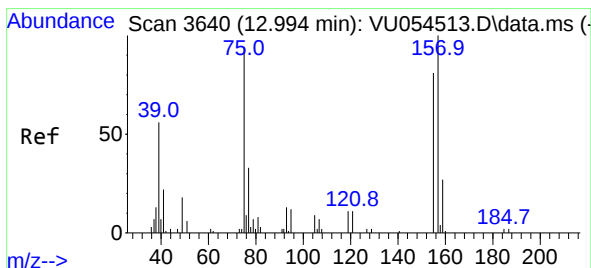
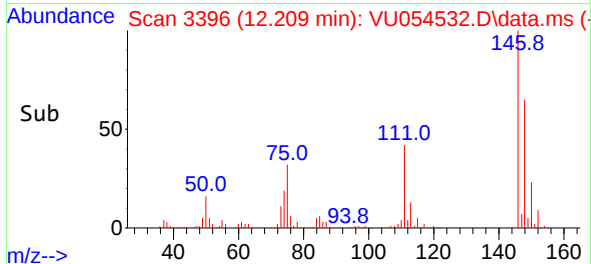
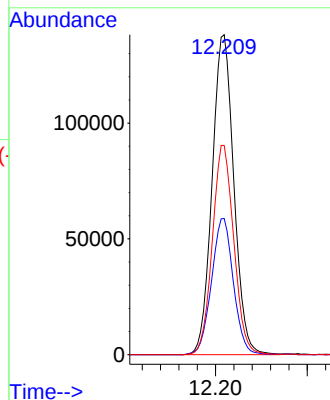
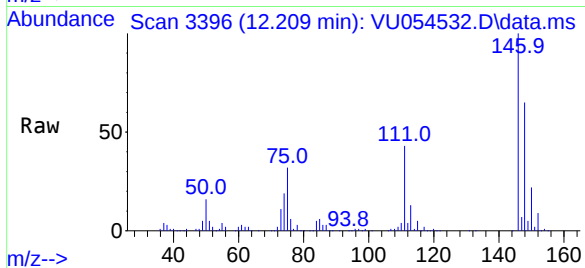
Tgt Ion:146 Resp: 227265

Ion Ratio Lower Upper

146 100

111 42.5 34.5 51.7

148 65.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.075 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054532.D

Acq: 15 Jun 2023 17:37

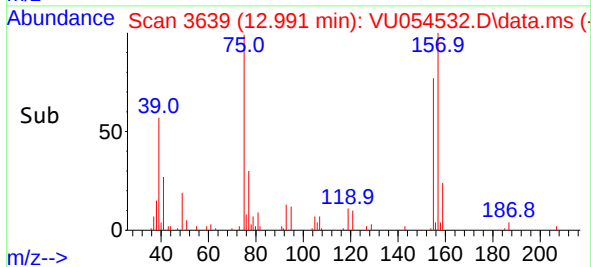
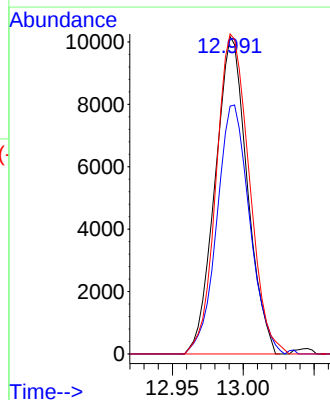
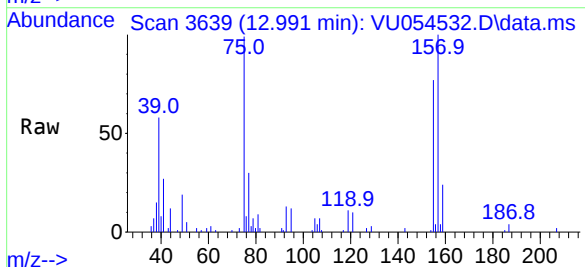
Tgt Ion: 75 Resp: 16015

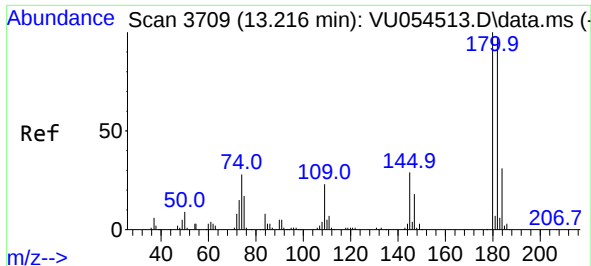
Ion Ratio Lower Upper

75 100

155 78.1 65.7 98.5

157 100.9 84.2 126.2



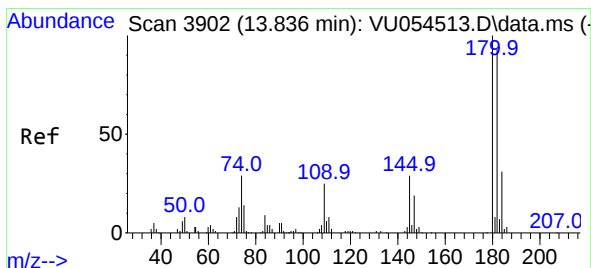
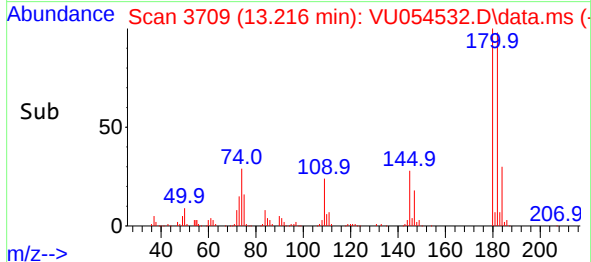
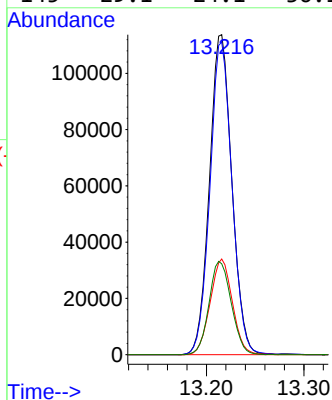
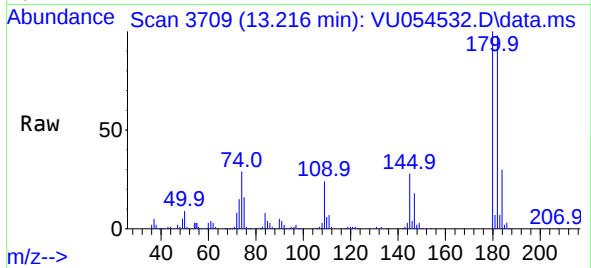


#69
 1,3,5-Trichlorobenzene
 Concen: 4.953 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU054532.D
 Acq: 15 Jun 2023 17:37

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MS

Tgt Ion:180 Resp: 181553

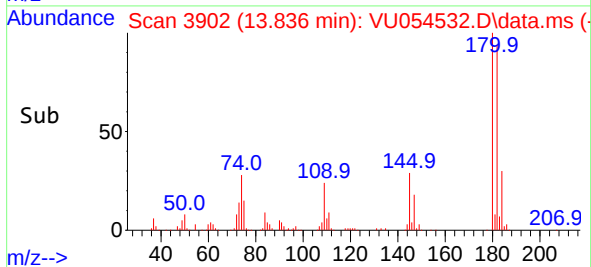
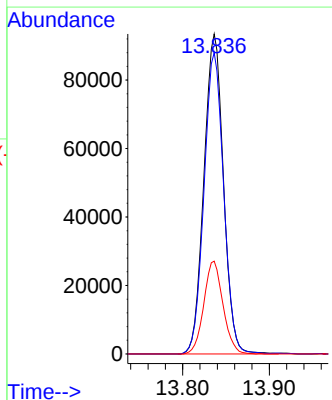
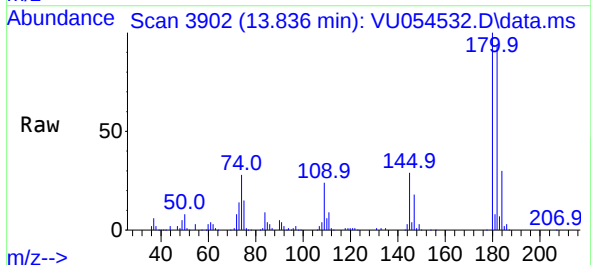
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.0	112.6
184	29.7	24.1	36.1
145	29.1	24.1	36.1

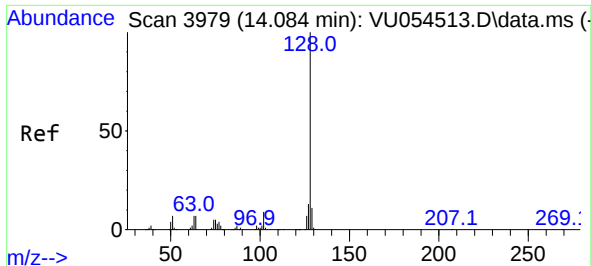


#70
 1,2,4-trichlorobenzene
 Concen: 4.826 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054532.D
 Acq: 15 Jun 2023 17:37

Tgt Ion:180 Resp: 146294

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.6	114.8
145	28.5	24.0	36.0

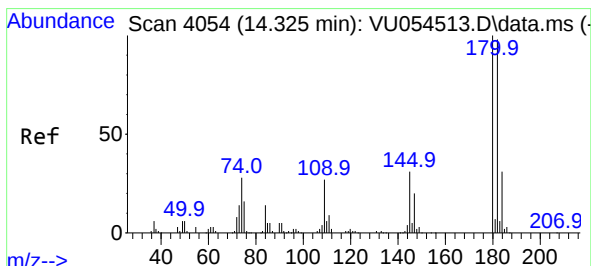
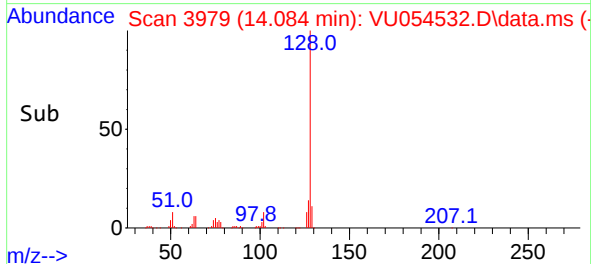
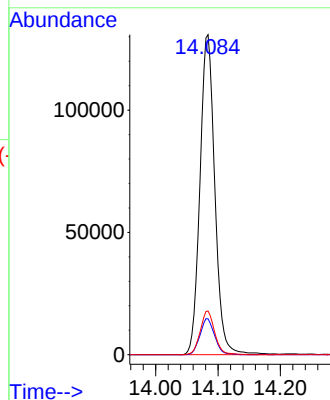
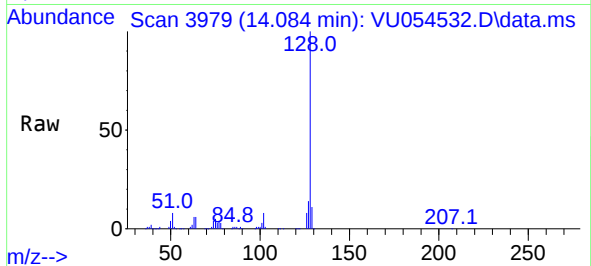




#71
Naphthalene
Concen: 4.407 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Instrument :
MSVOA_U
ClientSampleId :
YBW77MS

Tgt Ion:128 Resp: 217250
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.2 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.849 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054532.D
Acq: 15 Jun 2023 17:37

Tgt Ion:180 Resp: 126276
Ion Ratio Lower Upper
180 100
182 96.3 75.4 113.2
145 31.5 26.0 39.0

