

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054533.D
 Acq On : 15 Jun 2023 18:01
 Operator : MD/SY
 Sample : 03237-05MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MSD

Quant Time: Jun 16 01:33:08 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	275137	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	263901	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	143941	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	63556	3.630	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.600%
7) Chloroethane-d5	1.911	69	80875	4.933	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.564	65	30854	3.945	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	4.631	46	249187	50.616	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.240%
24) Chloroform-d	5.059	84	184215	5.033	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.699	65	89274	5.004	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.000%
32) Benzene-d6	5.724	84	347719	4.740	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.686	67	119599	4.882	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.895	98	302256	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	8.178	79	36175	4.246	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.628	63	170975	47.835	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.680%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	90327	4.944	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	117644	4.846	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	120177	4.675	ug/L	99
3) Chloromethane	1.519	50	137743	4.664	ug/L	99
5) Vinyl chloride	1.602	62	145898	4.813	ug/L	98
6) Bromomethane	1.860	94	83223	4.994	ug/L	99
8) Chloroethane	1.933	64	89313	4.915	ug/L	99
9) Trichlorofluoromethane	2.136	101	191598	5.141	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	110707	5.078	ug/L	97
12) 1,1-Dichloroethene	2.580	96	99765	4.999	ug/L	99
13) Acetone	2.641	43	174928	37.685	ug/L	100
14) Carbon disulfide	2.792	76	276318	4.669	ug/L	99
15) Methyl Acetate	2.956	43	39860	4.634	ug/L	99
16) Methylene chloride	3.043	84	115045	4.100	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	253220	5.141	ug/L	100
18) trans-1,2-Dichloroethene	3.351	96	103479	5.022	ug/L	95
19) 1,1-Dichloroethane	3.866	63	219379	5.145	ug/L	97
21) 2-Butanone	4.708	43	280838	46.618	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	119132	5.077	ug/L	96
23) Bromochloromethane	4.969	128	51455	5.270	ug/L	90
25) Chloroform	5.084	83	221234	5.263	ug/L	98

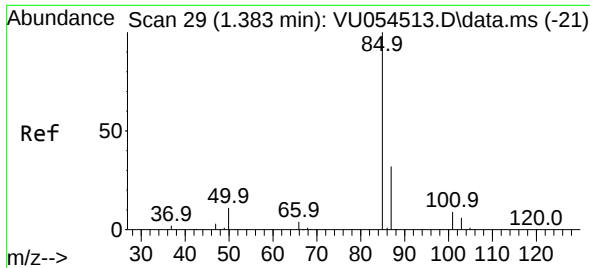
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061523\
 Data File : VU054533.D
 Acq On : 15 Jun 2023 18:01
 Operator : MD/SY
 Sample : 03237-05MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MSD

Quant Time: Jun 16 01:33:08 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)
27) 1,2-Dichloroethane	5.789	62	127474	5.173	ug/L	96
29) 1,1,1-Trichloroethane	5.313	97	181122	5.061	ug/L	99
30) Cyclohexane	5.387	56	178119	4.570	ug/L	99
31) Carbon tetrachloride	5.522	117	157588	5.111	ug/L	100
33) Benzene	5.769	78	469501	4.950	ug/L	100
34) Trichloroethene	6.538	95	122408	4.881	ug/L	96
35) Methylcyclohexane	6.760	83	171907	4.535	ug/L	98
37) 1,2-Dichloropropane	6.785	63	129695	5.057	ug/L	100
38) Bromodichloromethane	7.100	83	150723	5.192	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	177607	5.073	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	688719	50.326	ug/L	99
42) Toluene	7.965	91	508613	5.207	ug/L	99
44) trans-1,3-Dichloropropene	8.207	75	143384	5.046	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	84480	5.178	ug/L	97
47) Tetrachloroethene	8.551	164	92314	4.808	ug/L	99
48) 2-Hexanone	8.679	43	501878	49.219	ug/L	99
49) Dibromochloromethane	8.805	129	94435	5.513	ug/L	99
50) 1,2-Dibromoethane	8.920	107	77057	5.145	ug/L	98
51) Chlorobenzene	9.441	112	315969	5.190	ug/L	99
52) Ethylbenzene	9.567	91	544981	5.109	ug/L	100
53) m,p-Xylene	9.692	106	205247	5.238	ug/L	98
54) o-Xylene	10.097	106	202754	5.350	ug/L	99
55) Styrene	10.110	104	343607	5.402	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	106043	5.117	ug/L	97
59) Bromoform	10.287	173	55479	5.369	ug/L	99
60) Isopropylbenzene	10.480	105	544639	5.172	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	72974	5.016	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	433409	5.045	ug/L	99
63) 1,2,4-Trimethylbenzene	11.464	105	441582	5.061	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	264222	5.368	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	258149	5.226	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	237565	5.248	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	16782	5.250	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	199291	5.366	ug/L	98
70) 1,2,4-trichlorobenzene	13.837	180	165901	5.402	ug/L	98
71) Naphthalene	14.084	128	252990	5.067	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	142997	5.420	ug/L	98

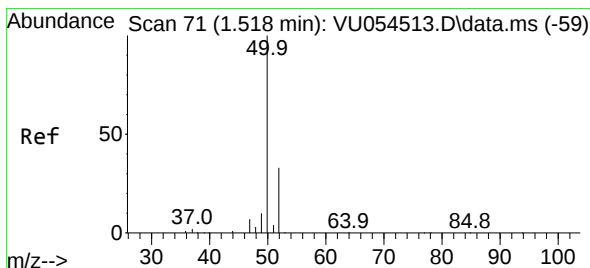
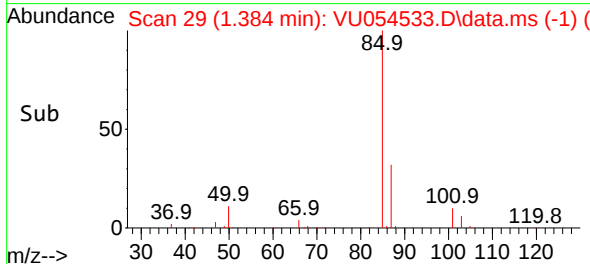
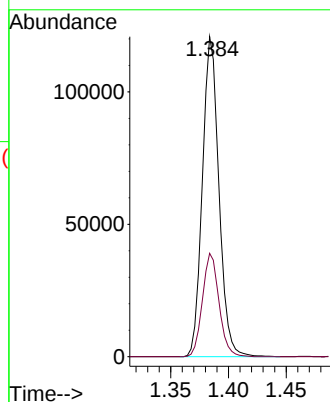
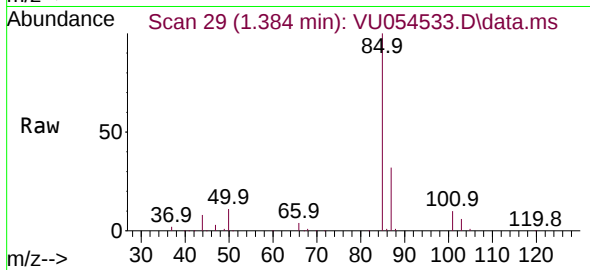
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.675 ug/L
 RT: 1.384 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

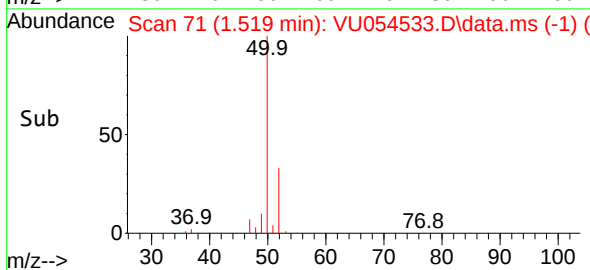
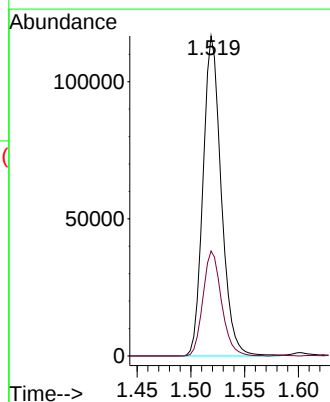
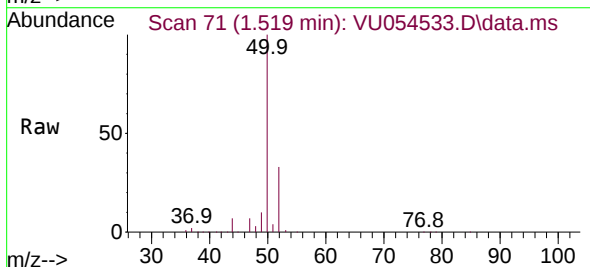
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MSD

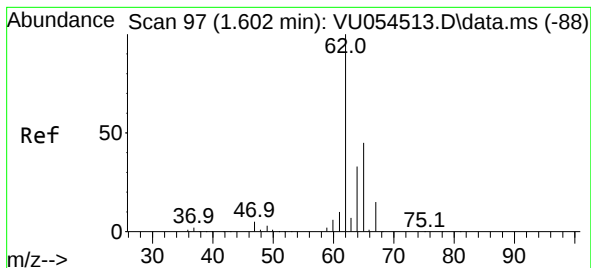
Tgt Ion: 85 Resp: 120177
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.4 38.2



#3
 Chloromethane
 Concen: 4.664 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

Tgt Ion: 50 Resp: 137743
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.4 43.4





#5

Vinyl chloride

Concen: 4.813 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

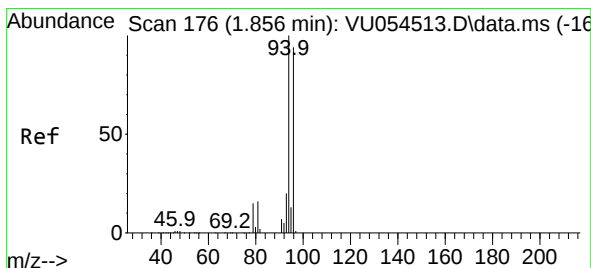
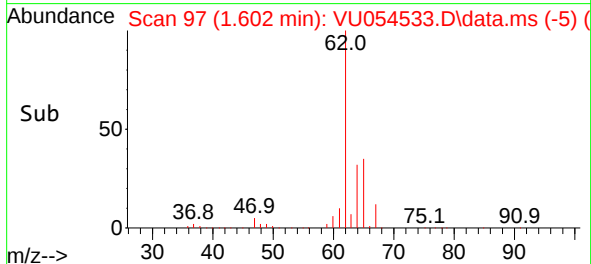
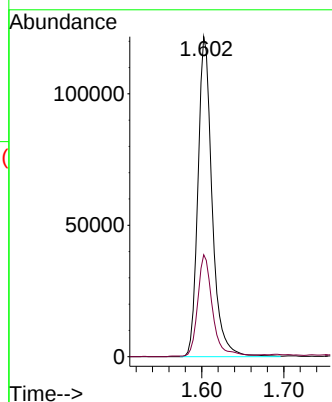
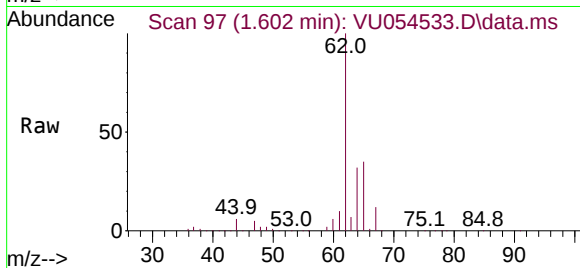
YBW77MSD

Tgt Ion: 62 Resp: 145898

Ion Ratio Lower Upper

62 100

64 31.8 23.0 42.6



#6

Bromomethane

Concen: 4.994 ug/L

RT: 1.860 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU054533.D

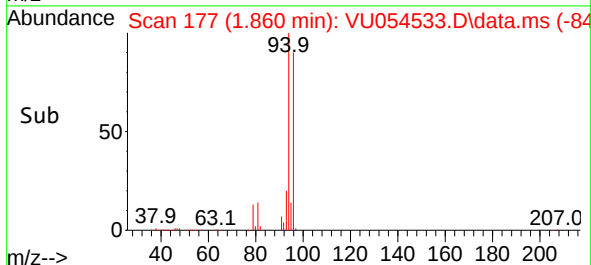
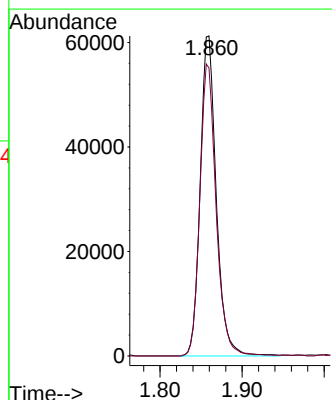
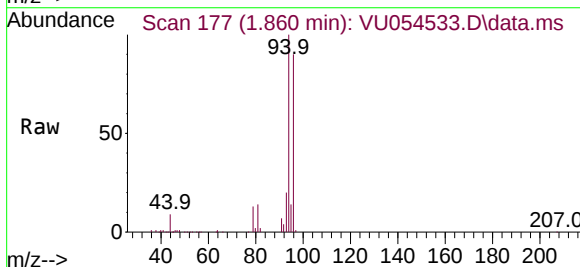
Acq: 15 Jun 2023 18:01

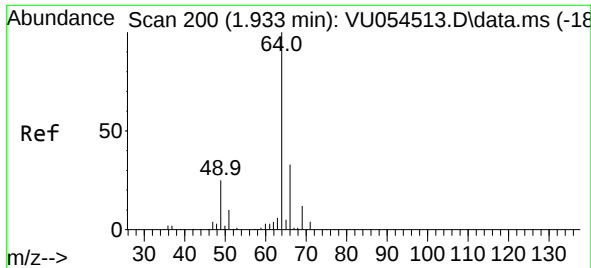
Tgt Ion: 94 Resp: 83223

Ion Ratio Lower Upper

94 100

96 90.0 63.6 118.2

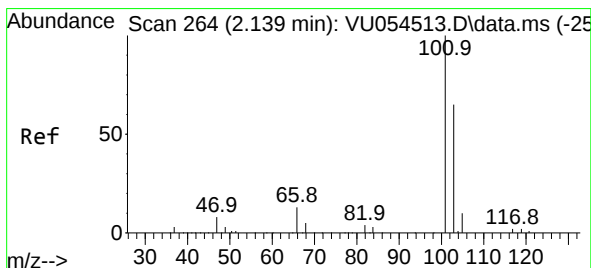
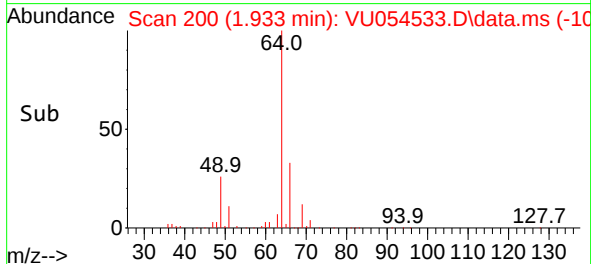
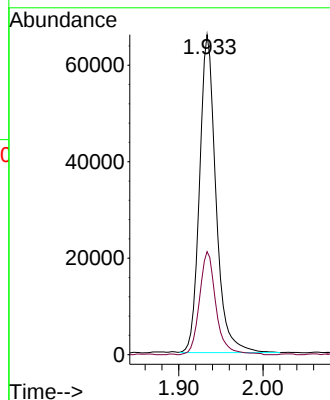
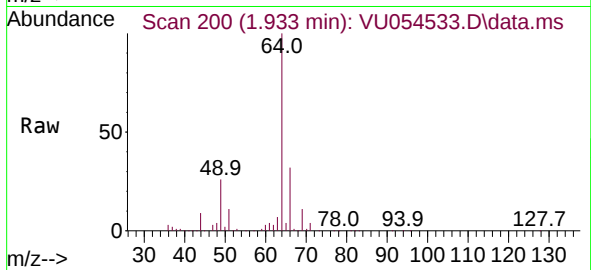




#8
Chloroethane
Concen: 4.915 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

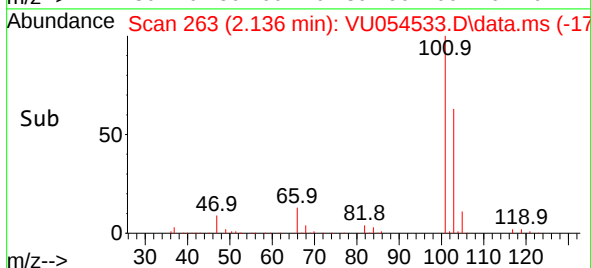
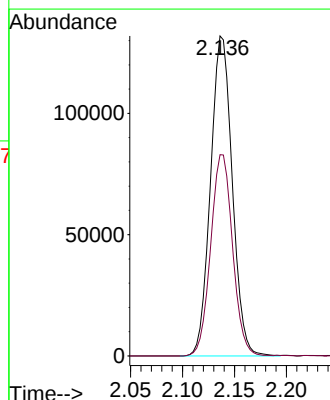
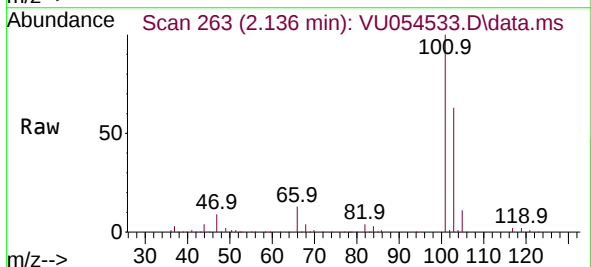
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

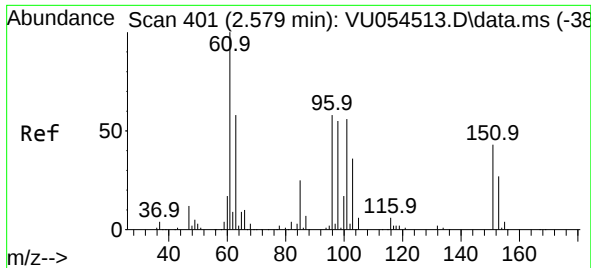
Tgt Ion: 64 Resp: 89313
Ion Ratio Lower Upper
64 100
66 32.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.141 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.003 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion:101 Resp: 191598
Ion Ratio Lower Upper
101 100
103 63.5 50.6 75.8

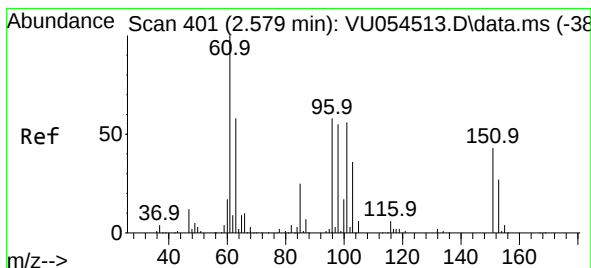
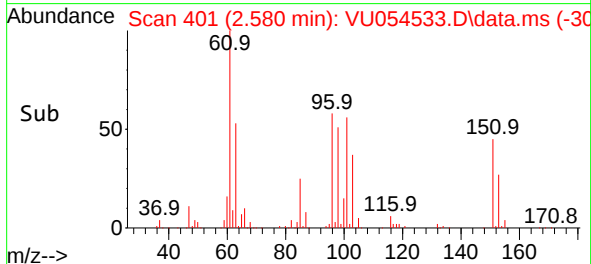
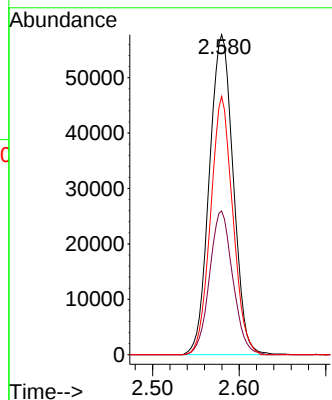
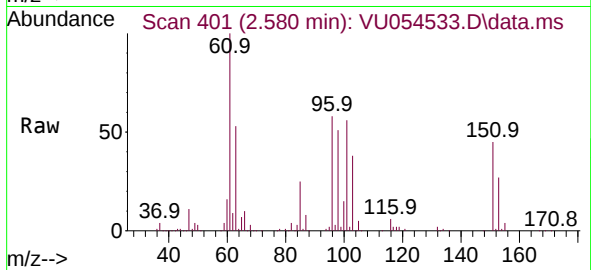




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.078 ug/L
RT: 2.580 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

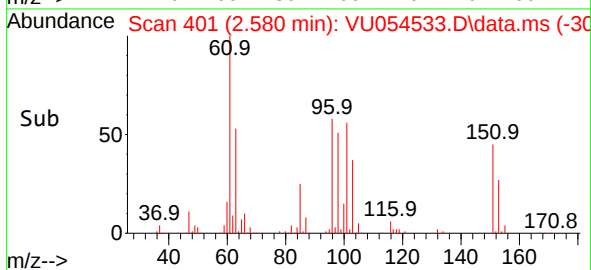
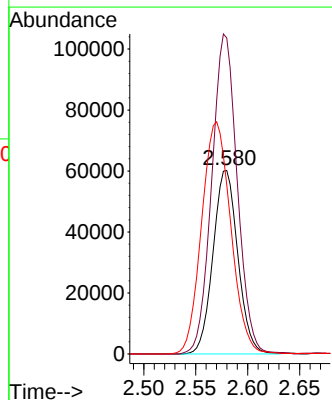
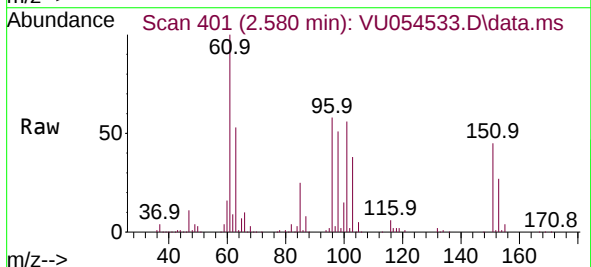
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

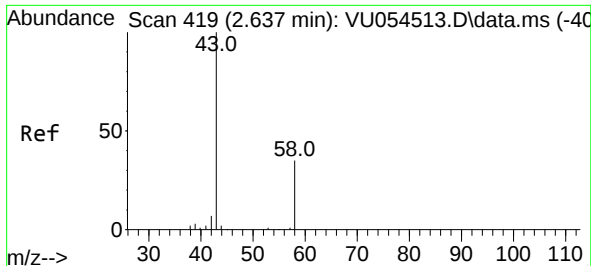
Tgt Ion:101 Resp: 110707
Ion Ratio Lower Upper
101 100
85 43.7 34.6 51.8
151 75.3 57.7 86.5



#12
1,1-Dichloroethene
Concen: 4.999 ug/L
RT: 2.580 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 96 Resp: 99765
Ion Ratio Lower Upper
96 100
61 172.2 119.9 222.7
63 92.1 64.3 119.3





#13

Acetone

Concen: 37.685 ug/L

RT: 2.641 min Scan# 419

Delta R.T. -0.009 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

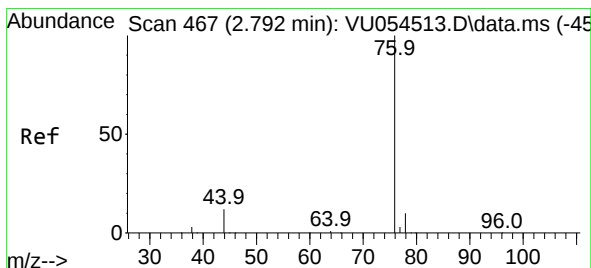
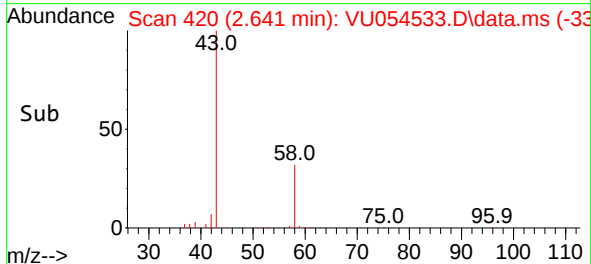
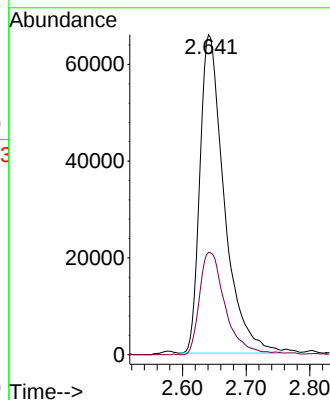
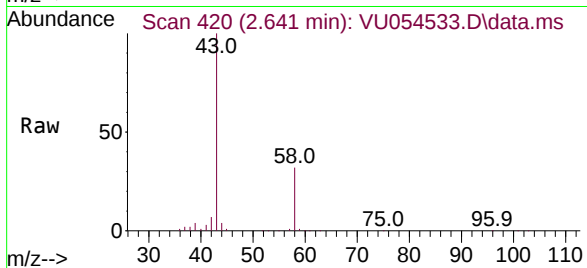
YBW77MSD

Tgt Ion: 43 Resp: 174928

Ion Ratio Lower Upper

43 100

58 33.7 0.0 67.2



#14

Carbon disulfide

Concen: 4.669 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU054533.D

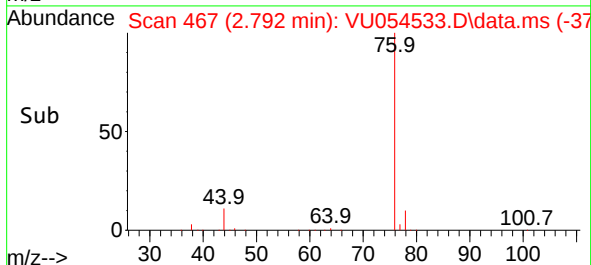
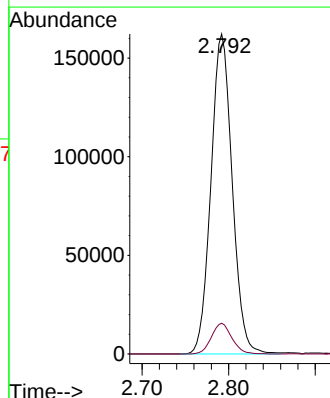
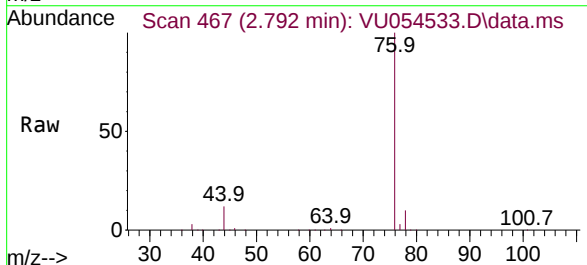
Acq: 15 Jun 2023 18:01

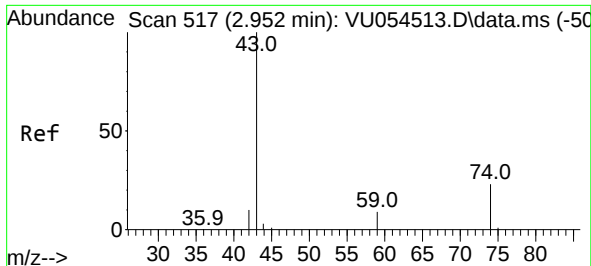
Tgt Ion: 76 Resp: 276318

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

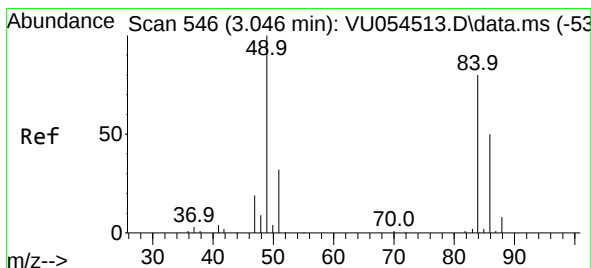
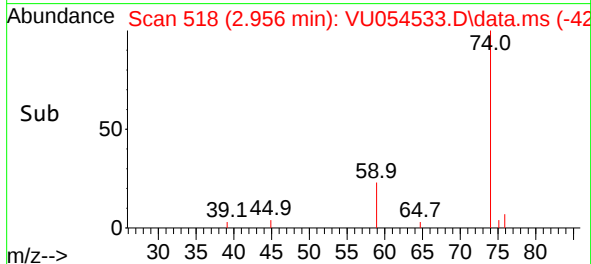
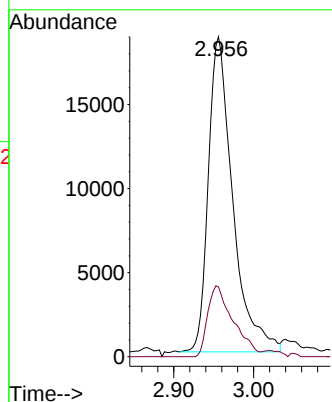
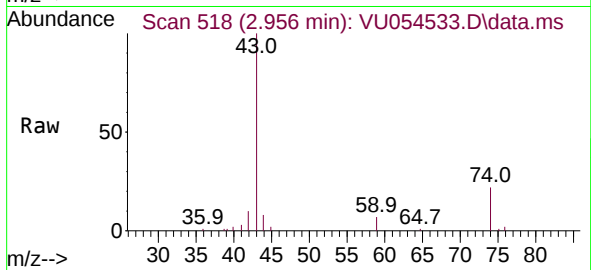




#15
Methyl Acetate
Concen: 4.634 ug/L
RT: 2.956 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

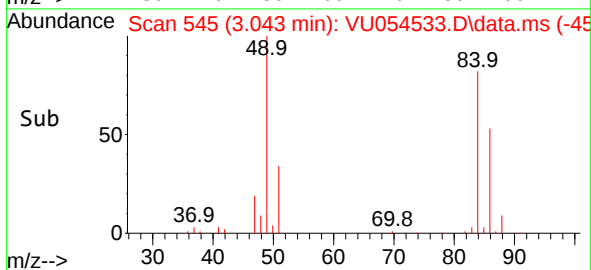
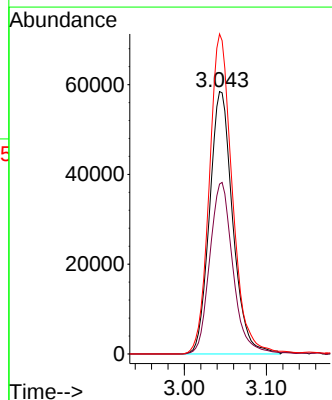
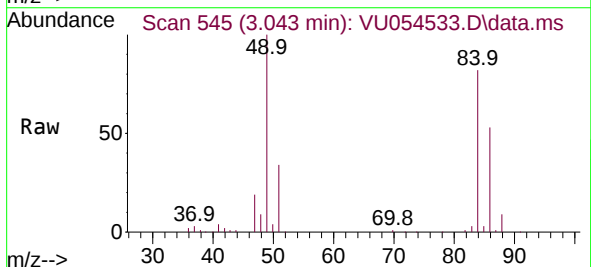
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

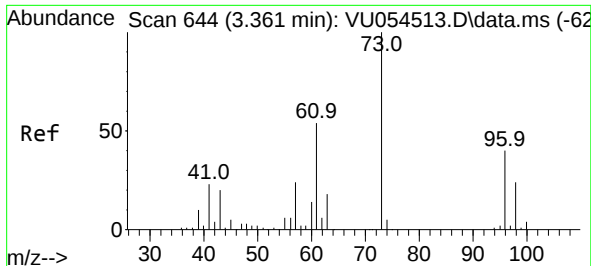
Tgt Ion: 43 Resp: 39860
Ion Ratio Lower Upper
43 100
74 23.4 19.0 28.6



#16
Methylene chloride
Concen: 4.100 ug/L
RT: 3.043 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 84 Resp: 115045
Ion Ratio Lower Upper
84 100
86 64.7 43.9 81.5
49 121.9 86.1 159.9

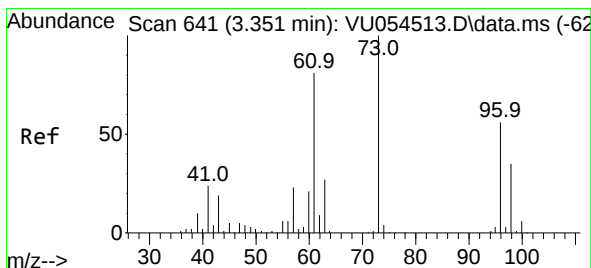
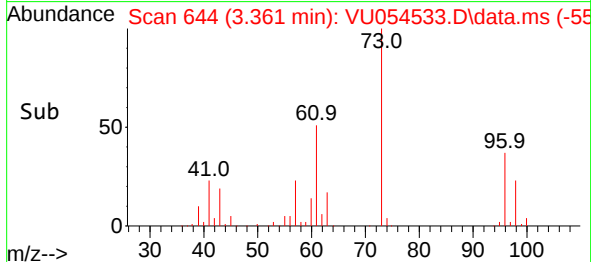
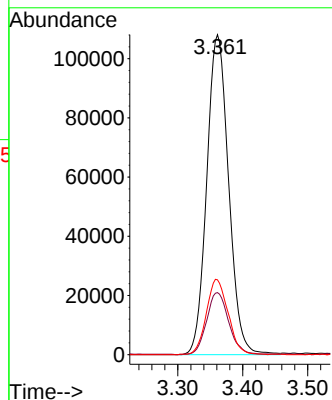
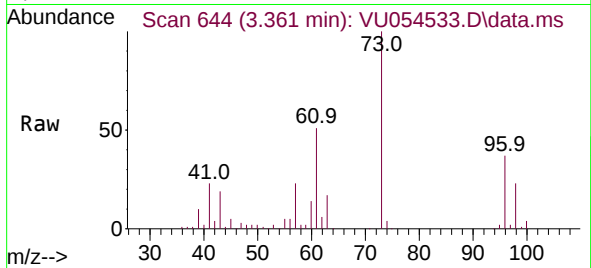




#17
Methyl tert-butyl Ether
Concen: 5.141 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

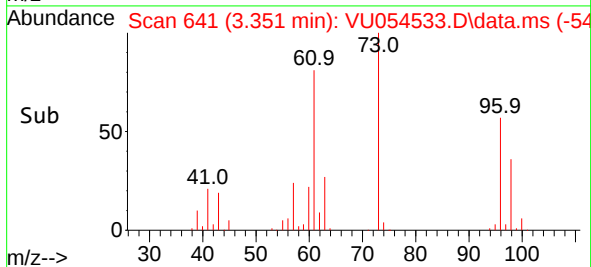
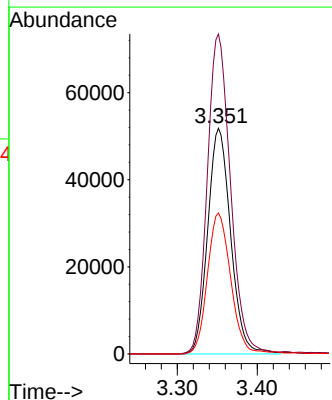
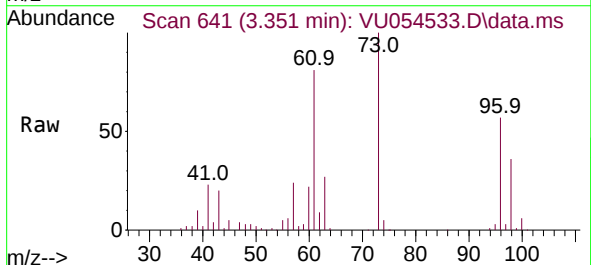
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

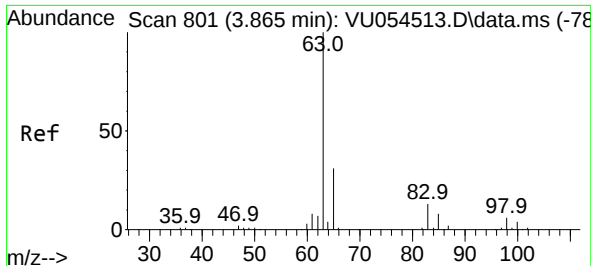
Tgt Ion: 73 Resp: 253220
Ion Ratio Lower Upper
73 100
43 19.7 15.7 23.5
57 23.4 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.022 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 96 Resp: 103479
Ion Ratio Lower Upper
96 100
61 141.8 104.6 194.2
98 62.4 45.4 84.4





#19

1,1-Dichloroethane

Concen: 5.145 ug/L

RT: 3.866 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

YBW77MSD

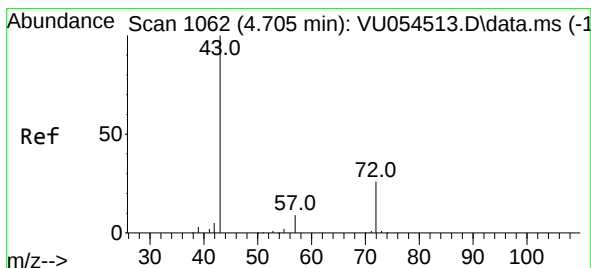
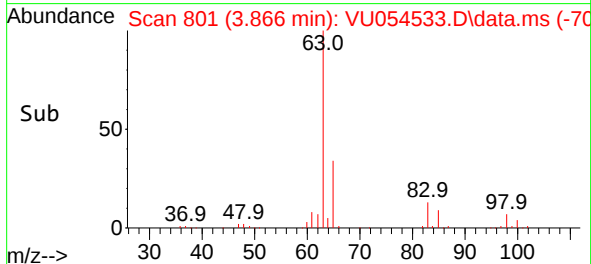
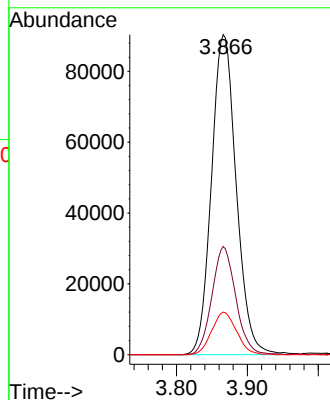
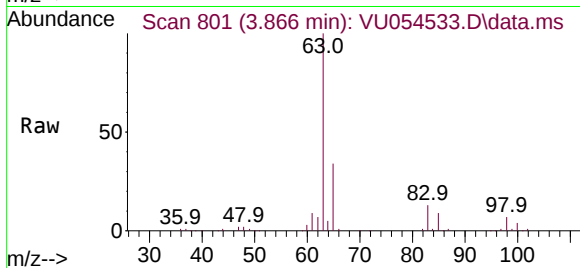
Tgt Ion: 63 Resp: 219379

Ion Ratio Lower Upper

63 100

65 33.8 22.2 41.2

83 13.3 9.0 16.6



#21

2-Butanone

Concen: 46.618 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. -0.003 min

Lab File: VU054533.D

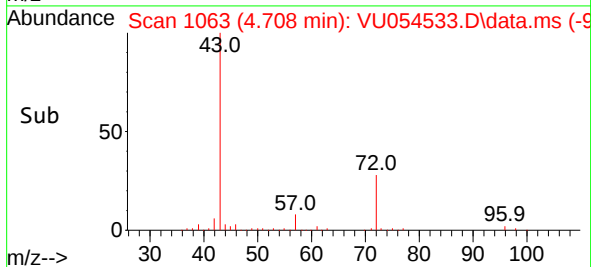
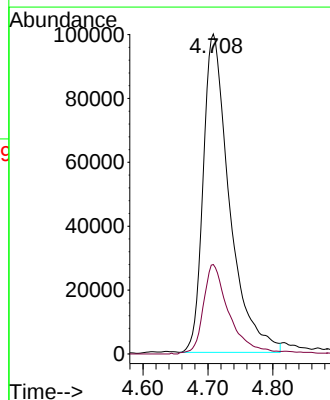
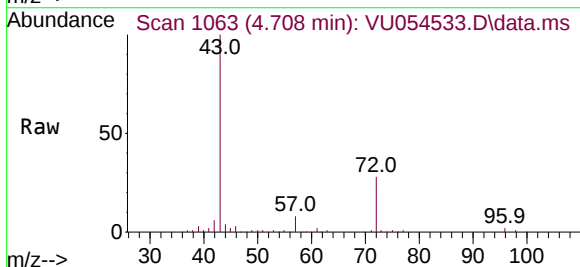
Acq: 15 Jun 2023 18:01

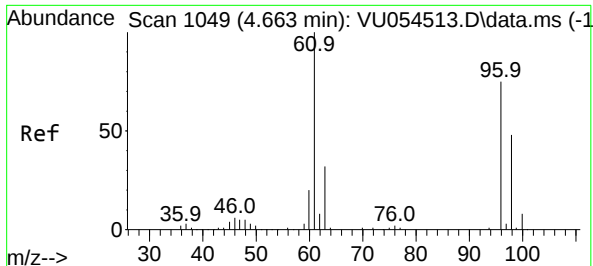
Tgt Ion: 43 Resp: 280838

Ion Ratio Lower Upper

43 100

72 27.6 13.4 40.1

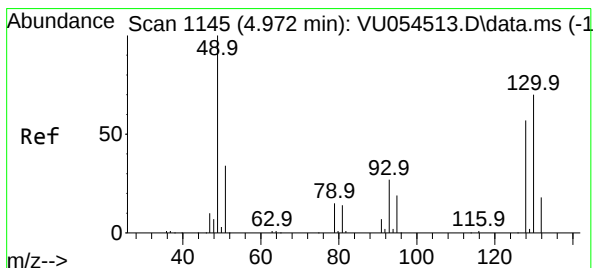
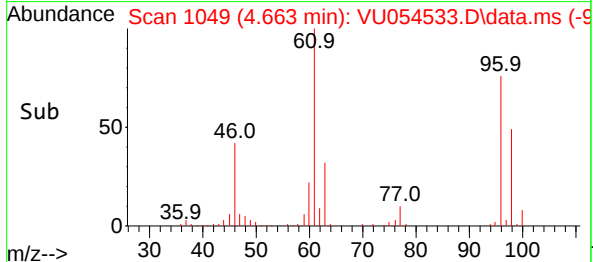
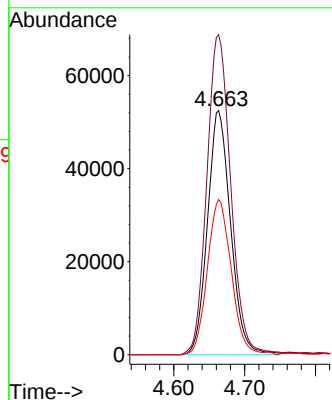
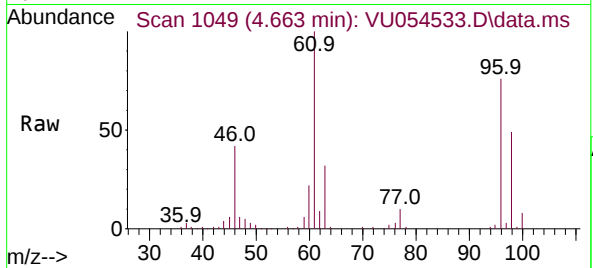




#22
 cis-1,2-Dichloroethene
 Concen: 5.077 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

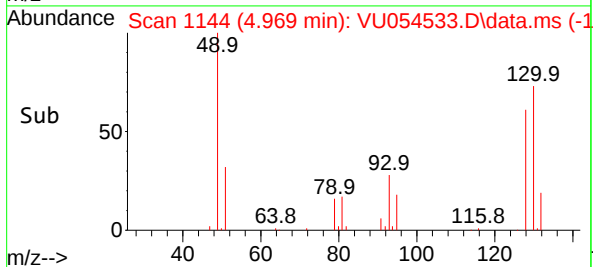
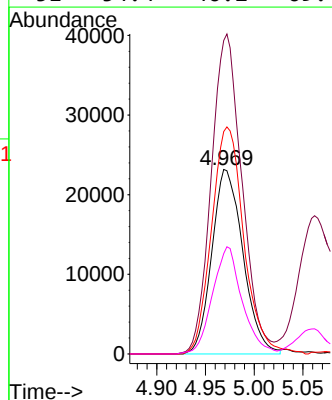
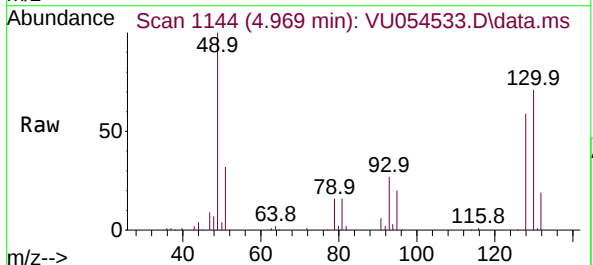
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MSD

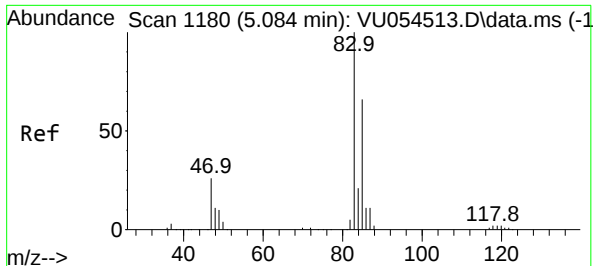
Tgt Ion: 96 Resp: 119132
 Ion Ratio Lower Upper
 96 100
 61 131.1 96.5 179.1
 98 63.6 44.9 83.3



#23
 Bromochloromethane
 Concen: 5.270 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. -0.003 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

Tgt Ion: 128 Resp: 51455
 Ion Ratio Lower Upper
 128 100
 49 169.9 132.1 245.3
 130 120.6 91.5 169.9
 51 54.4 46.2 69.4

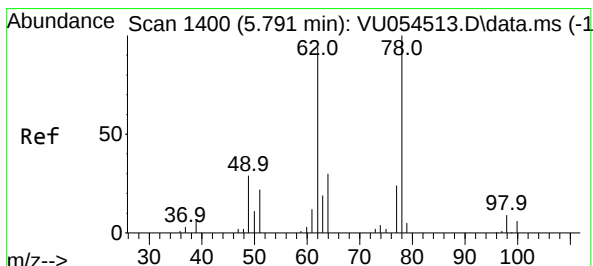
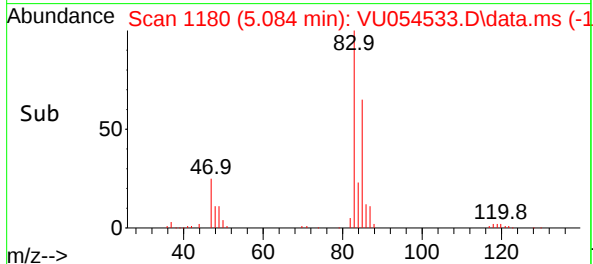
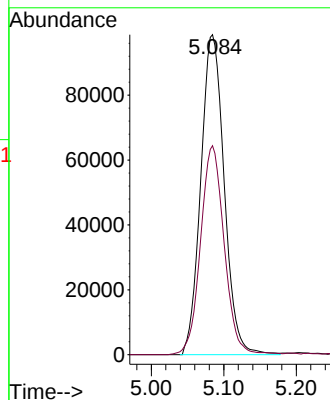
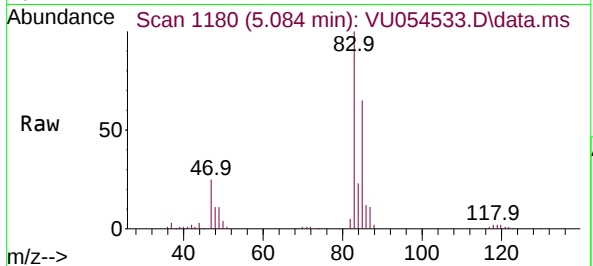




#25
Chloroform
Concen: 5.263 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

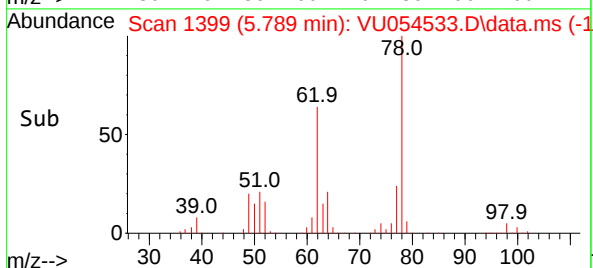
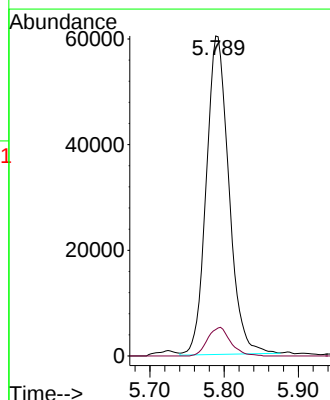
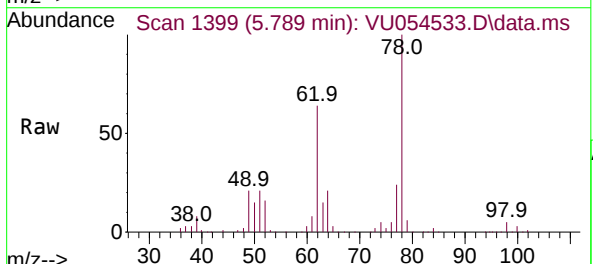
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

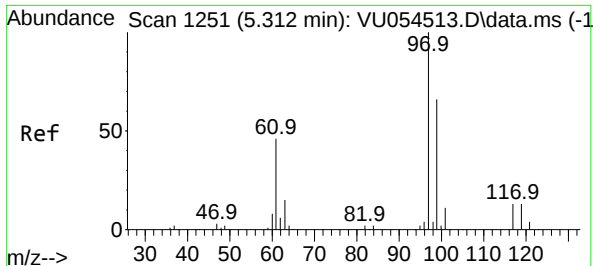
Tgt Ion: 83 Resp: 221234
Ion Ratio Lower Upper
83 100
85 65.3 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.173 ug/L
RT: 5.789 min Scan# 1399
Delta R.T. -0.003 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 62 Resp: 127474
Ion Ratio Lower Upper
62 100
98 8.3 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.061 ug/L

RT: 5.313 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

YBW77MSD

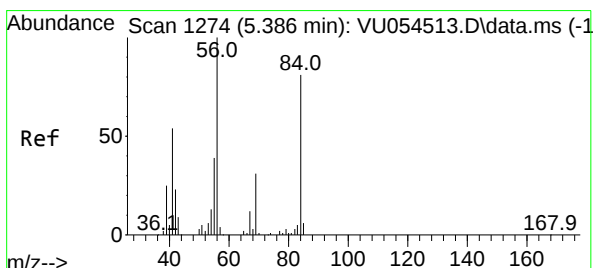
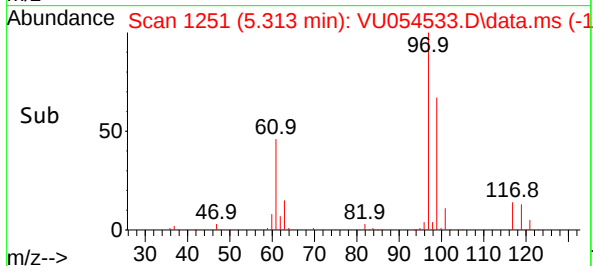
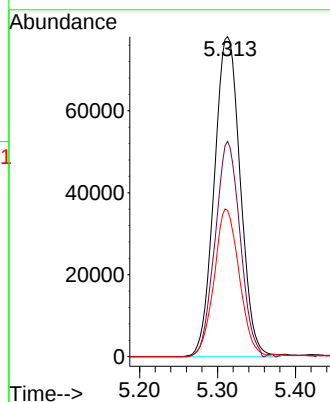
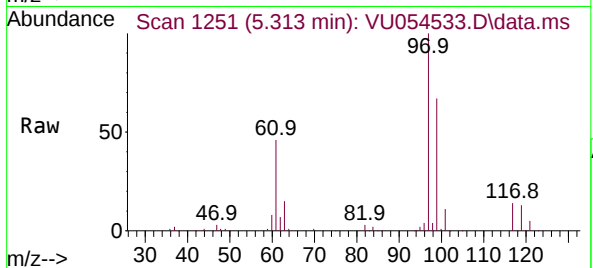
Tgt Ion: 97 Resp: 181122

Ion Ratio Lower Upper

97 100

99 64.7 50.8 76.2

61 44.7 36.1 54.1



#30

Cyclohexane

Concen: 4.570 ug/L

RT: 5.387 min Scan# 1274

Delta R.T. 0.004 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

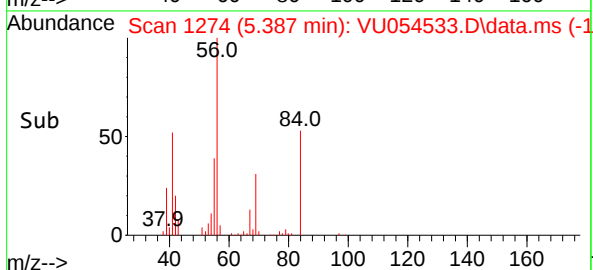
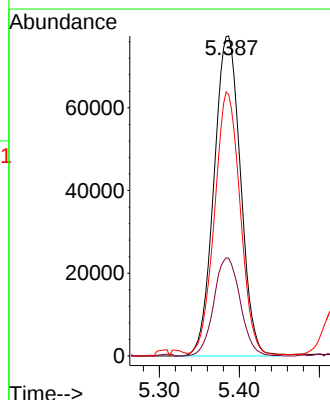
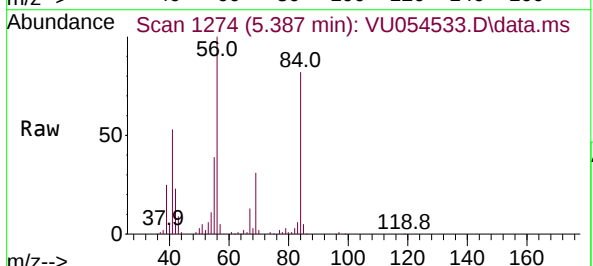
Tgt Ion: 56 Resp: 178119

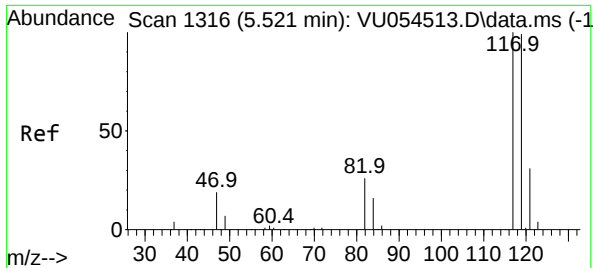
Ion Ratio Lower Upper

56 100

69 30.5 23.9 35.9

84 79.3 63.0 94.6

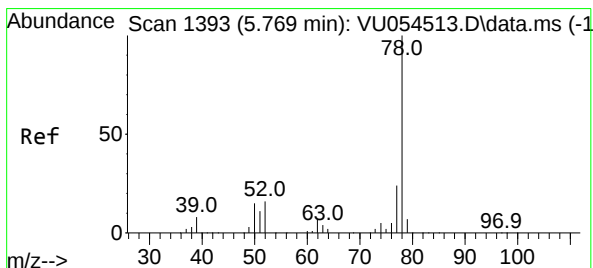
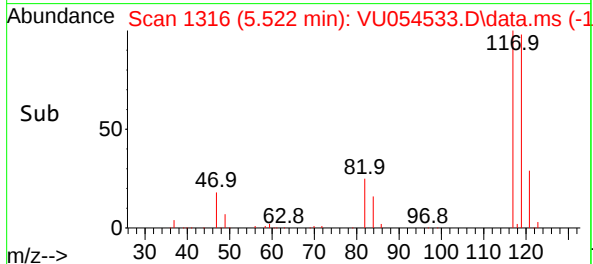
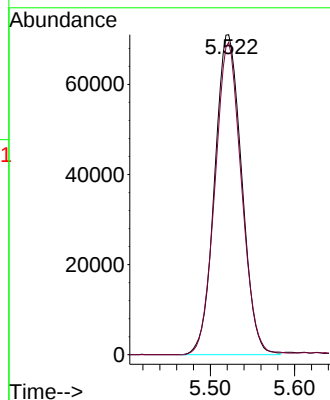
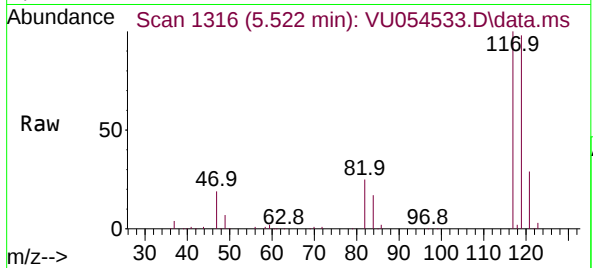




#31
Carbon tetrachloride
Concen: 5.111 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

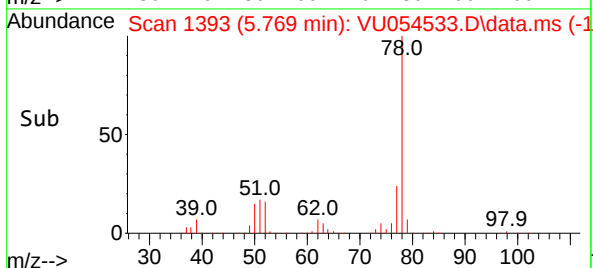
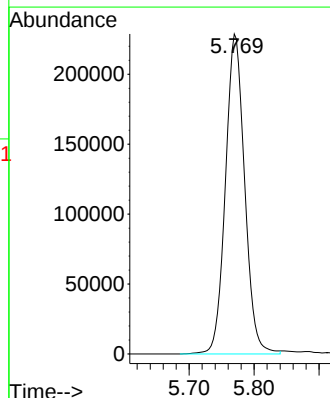
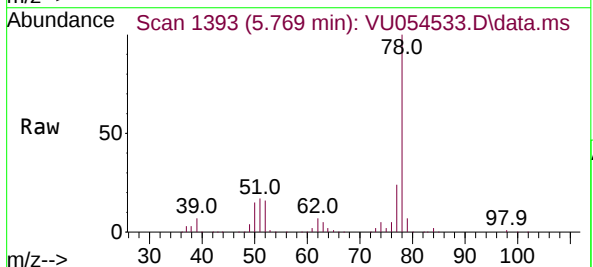
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

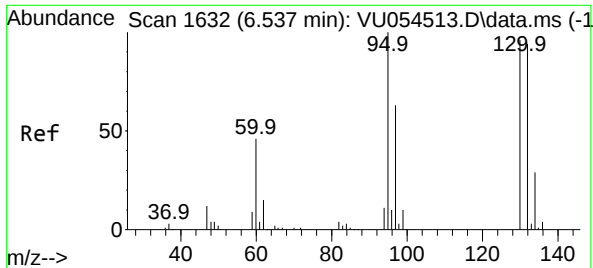
Tgt Ion:117 Resp: 157588
Ion Ratio Lower Upper
117 100
119 96.2 76.8 115.2



#33
Benzene
Concen: 4.950 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.003 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 78 Resp: 469501

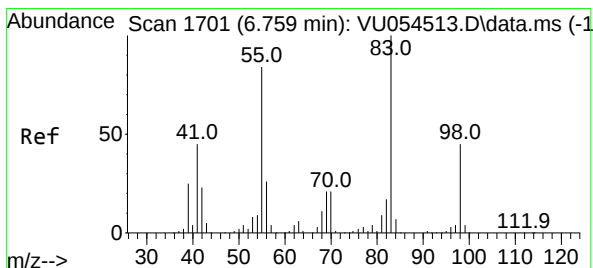
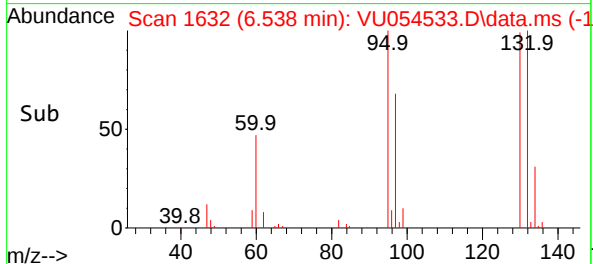
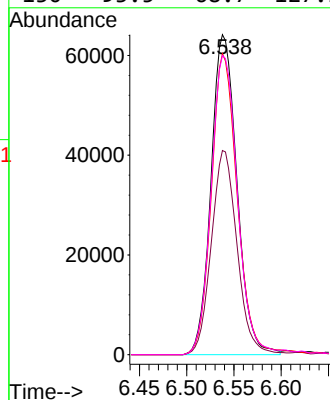
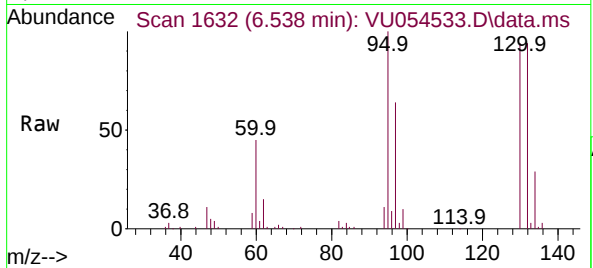




#34
Trichloroethene
Concen: 4.881 ug/L
RT: 6.538 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

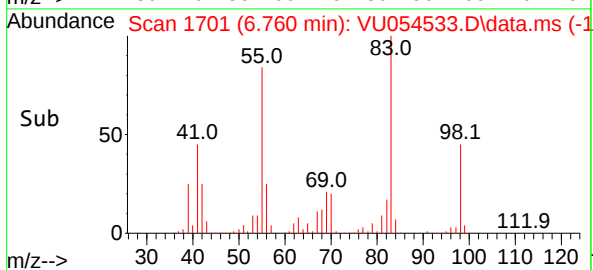
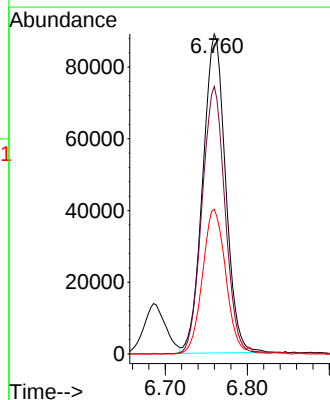
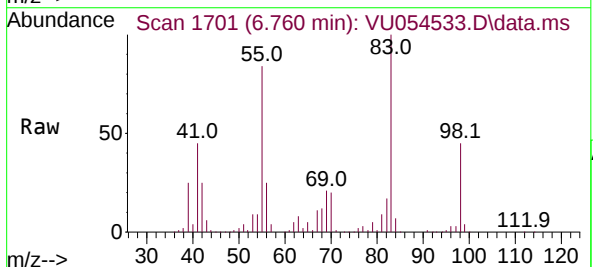
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

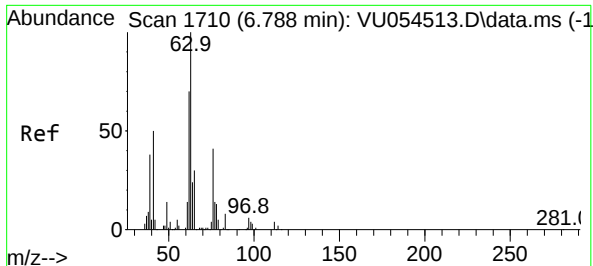
Tgt Ion: 95 Resp: 122408
Ion Ratio Lower Upper
95 100
97 63.8 46.8 87.0
132 94.1 68.4 127.0
130 93.5 68.7 127.5



#35
Methylcyclohexane
Concen: 4.535 ug/L
RT: 6.760 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 83 Resp: 171907
Ion Ratio Lower Upper
83 100
55 85.2 67.1 100.7
98 45.9 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.057 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

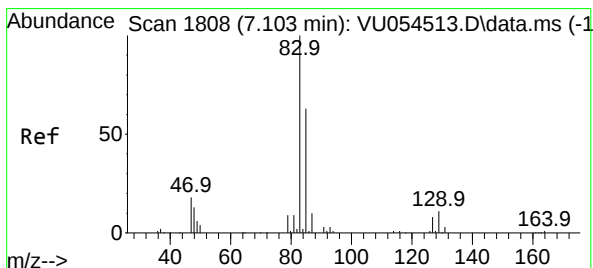
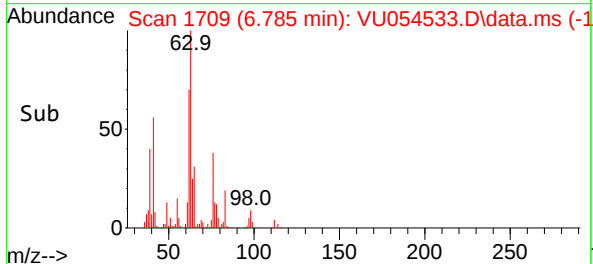
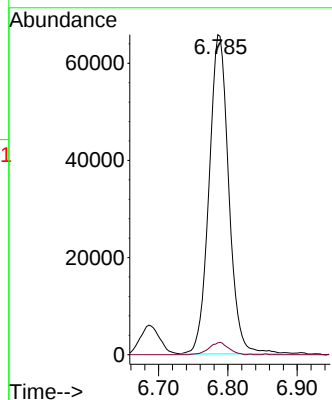
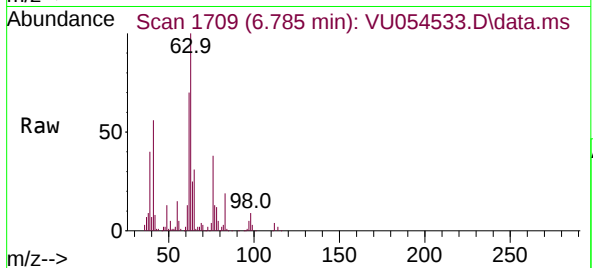
YBW77MSD

Tgt Ion: 63 Resp: 129695

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 5.192 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.003 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

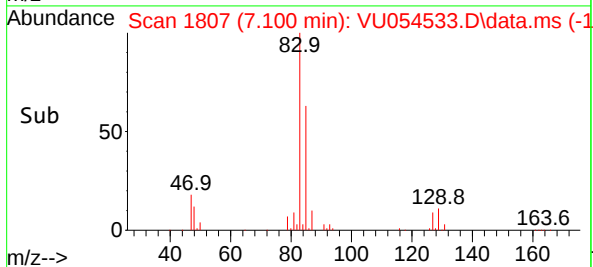
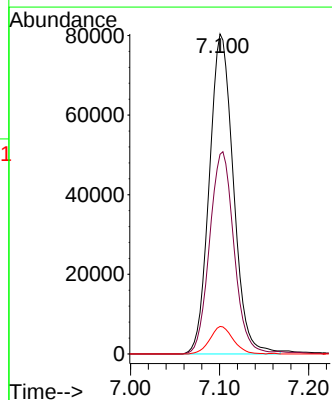
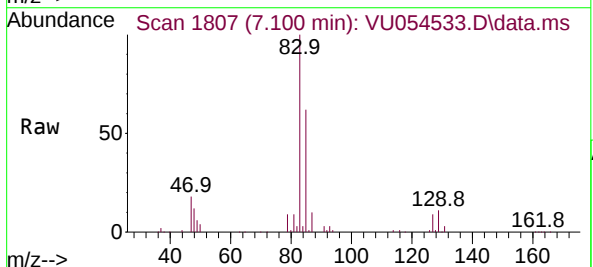
Tgt Ion: 83 Resp: 150723

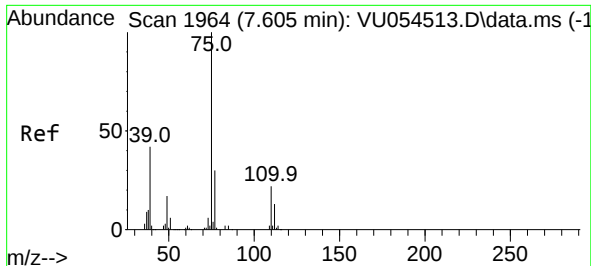
Ion Ratio Lower Upper

83 100

85 62.4 44.1 81.9

127 8.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

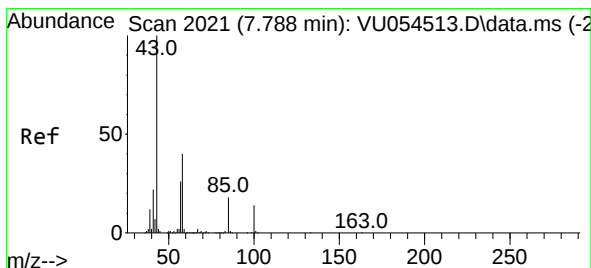
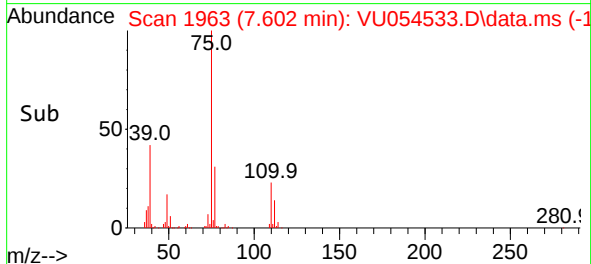
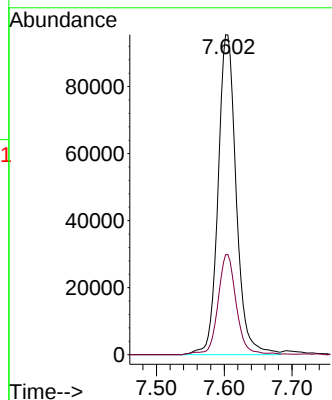
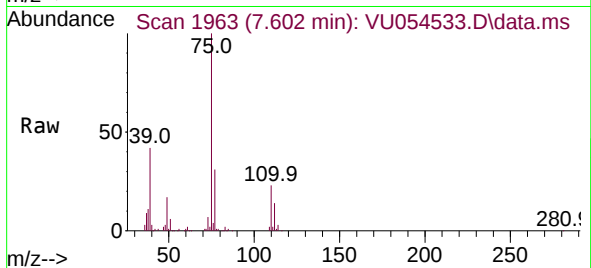
YBW77MSD

Tgt Ion: 75 Resp: 177607

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.326 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

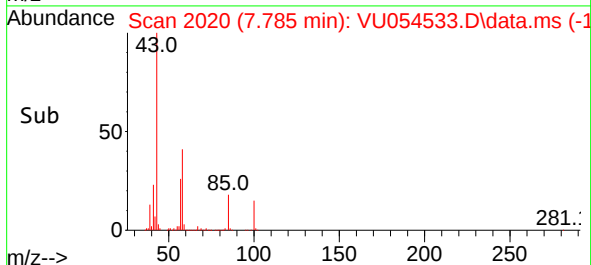
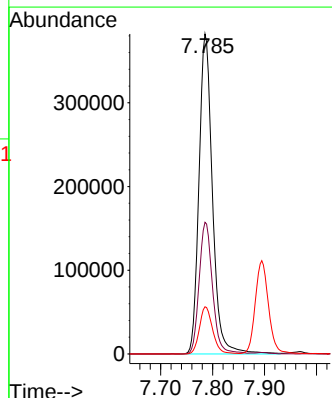
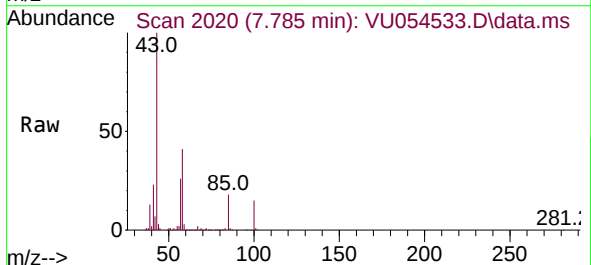
Tgt Ion: 43 Resp: 688719

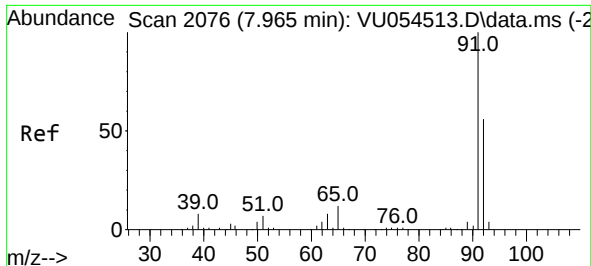
Ion Ratio Lower Upper

43 100

58 40.8 32.4 48.6

100 14.5 11.4 17.2





#42

Toluene

Concen: 5.207 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

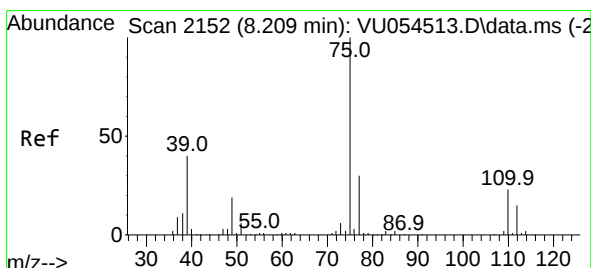
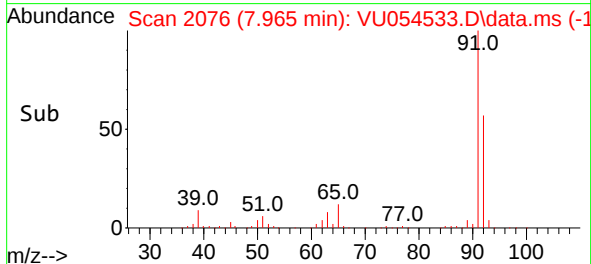
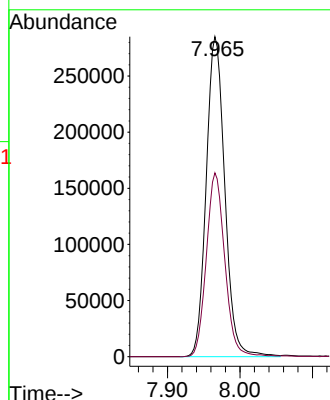
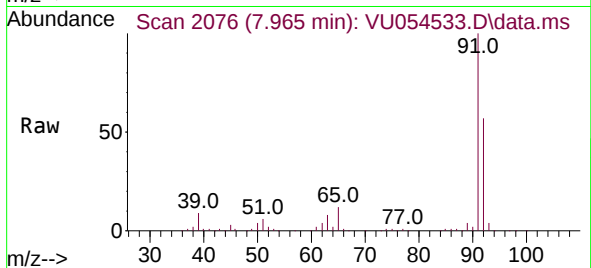
YBW77MSD

Tgt Ion: 91 Resp: 508613

Ion Ratio Lower Upper

91 100

92 57.4 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.046 ug/L

RT: 8.207 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054533.D

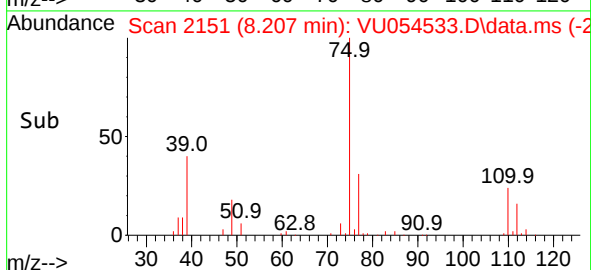
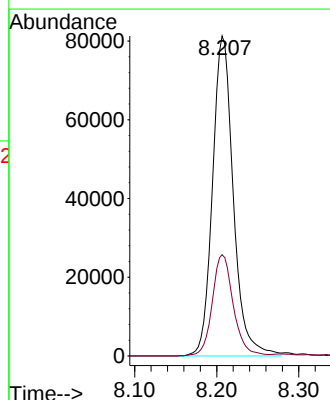
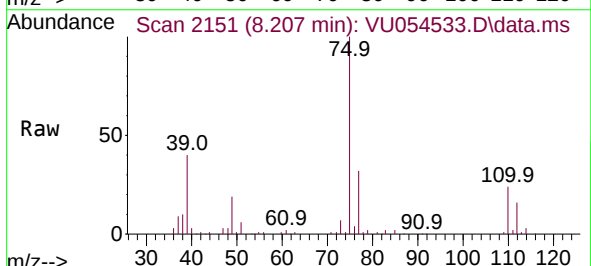
Acq: 15 Jun 2023 18:01

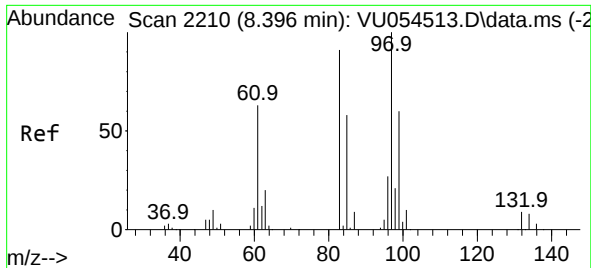
Tgt Ion: 75 Resp: 143384

Ion Ratio Lower Upper

75 100

77 31.6 21.3 39.6

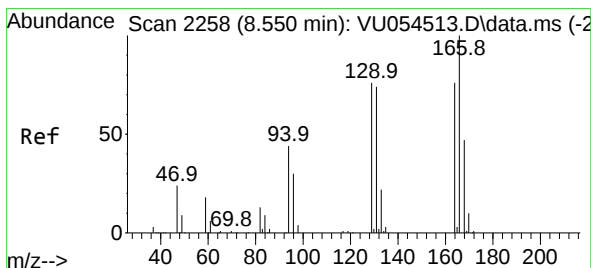
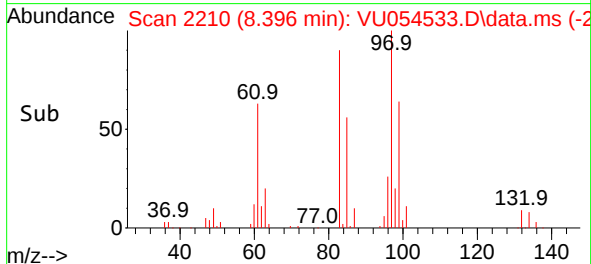
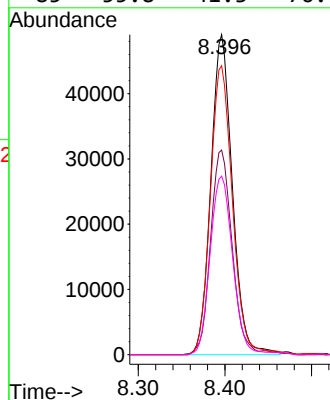
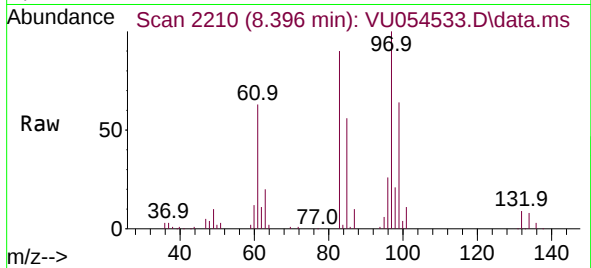




#45
1,1,2-Trichloroethane
Concen: 5.178 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

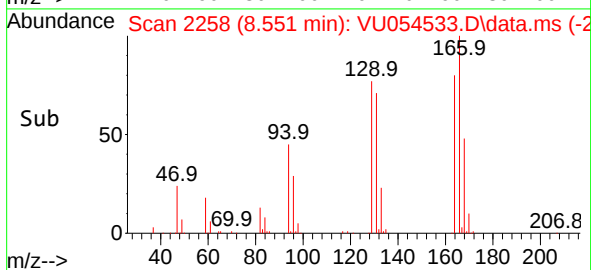
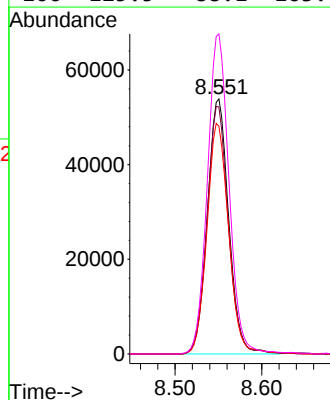
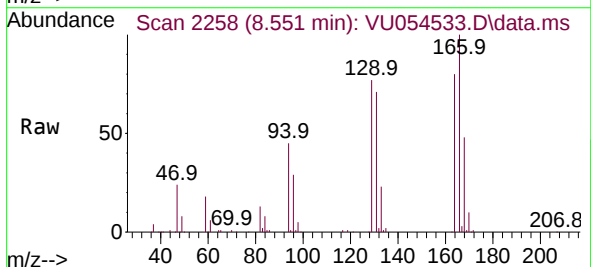
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

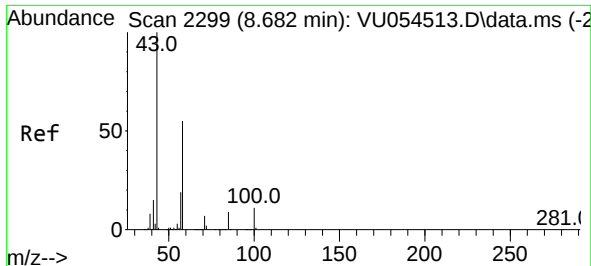
Tgt Ion:	97	Resp:	84480
Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.0	80.0
83	90.3	63.8	118.6
85	55.8	41.3	76.7



#47
Tetrachloroethene
Concen: 4.808 ug/L
RT: 8.551 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion:	164	Resp:	92314
Ion	Ratio	Lower	Upper
164	100		
129	96.9	67.7	125.7
131	89.3	64.6	120.0
166	125.5	88.1	163.7



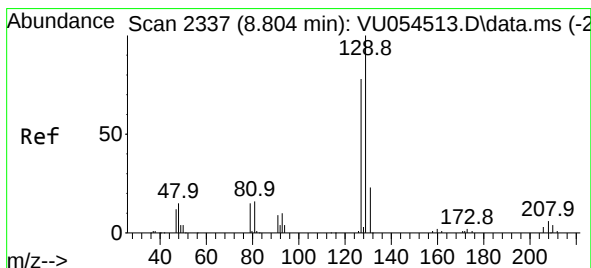
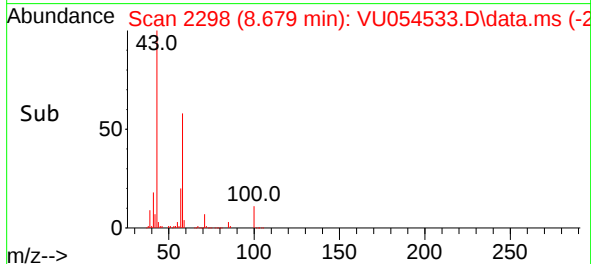
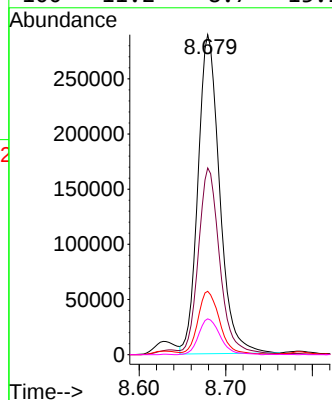
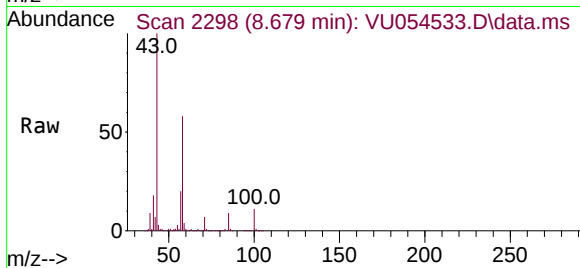


#48
2-Hexanone
Concen: 49.219 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

Tgt Ion: 43 Resp: 501878

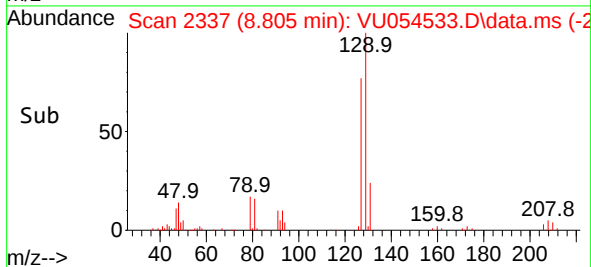
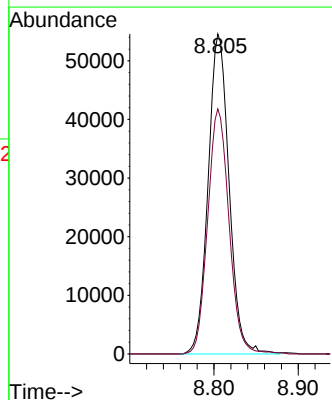
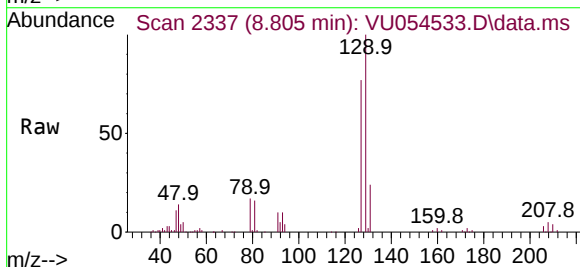
Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.2	67.8
57	20.3	15.8	23.6
100	11.2	8.7	13.1

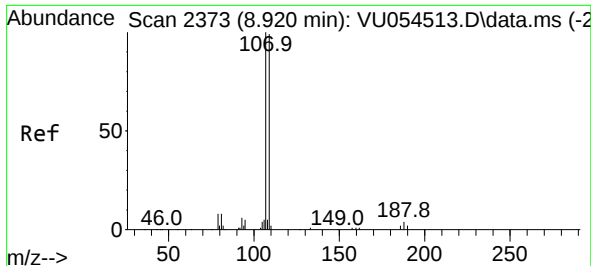


#49
Dibromochloromethane
Concen: 5.513 ug/L
RT: 8.805 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 129 Resp: 94435

Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.145 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

YBW77MSD

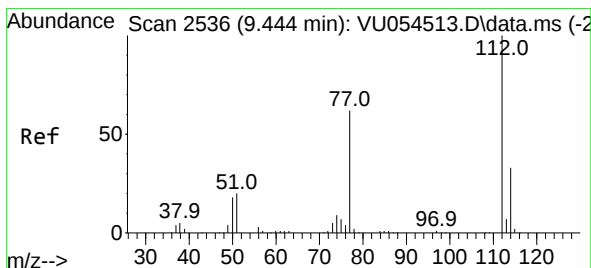
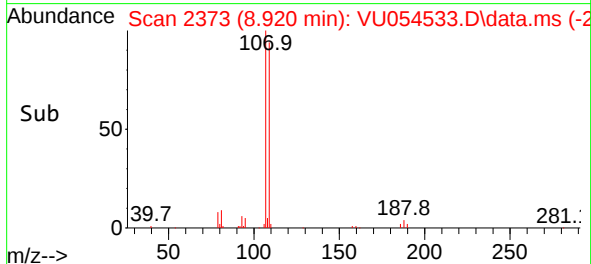
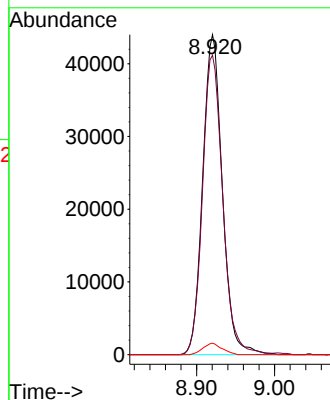
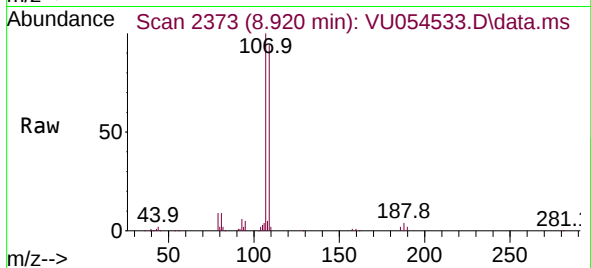
Tgt Ion:107 Resp: 77057

Ion Ratio Lower Upper

107 100

109 93.6 66.6 123.6

188 3.6 3.1 4.7



#51

Chlorobenzene

Concen: 5.190 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

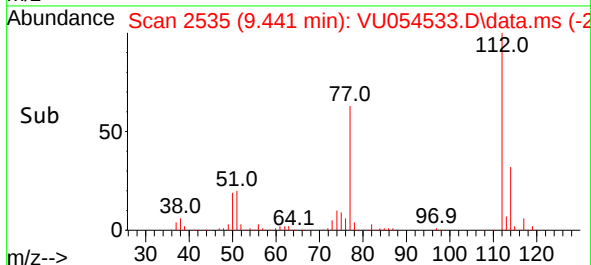
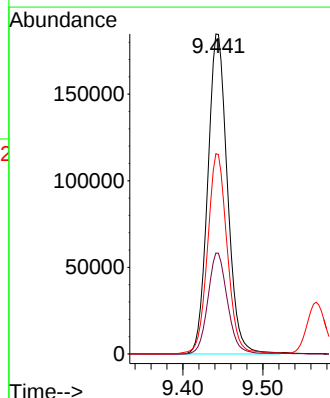
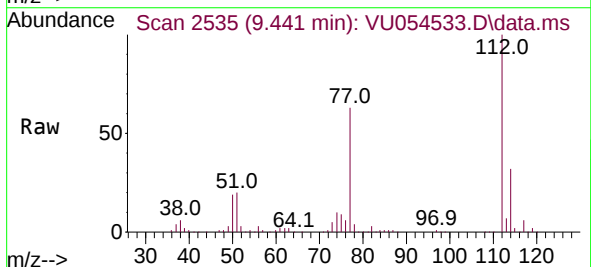
Tgt Ion:112 Resp: 315969

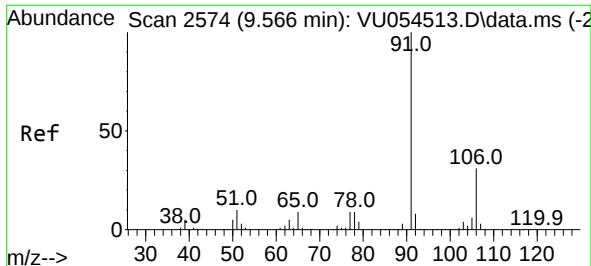
Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.1

77 62.6 49.8 74.8

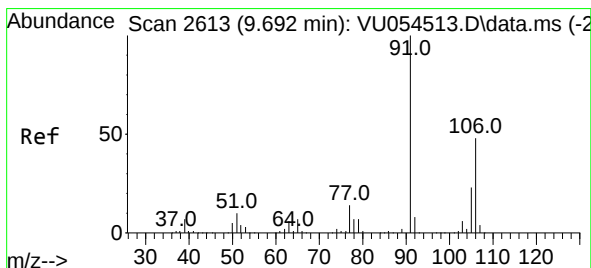
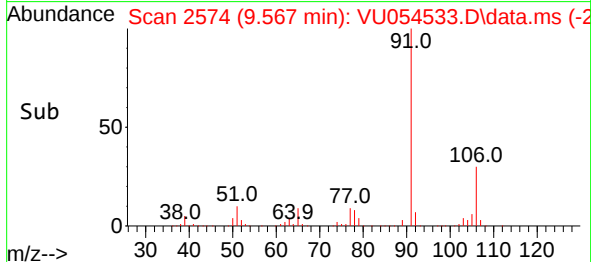
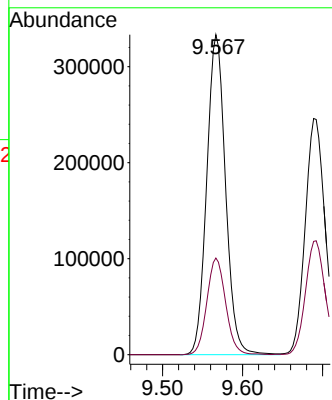
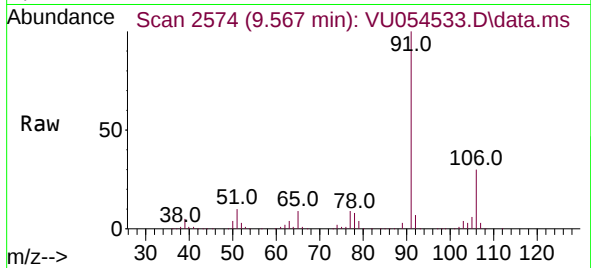




#52
Ethylbenzene
Concen: 5.109 ug/L
RT: 9.567 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

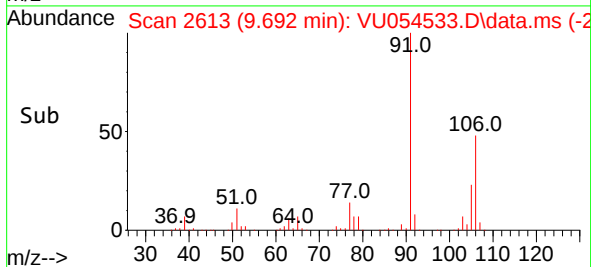
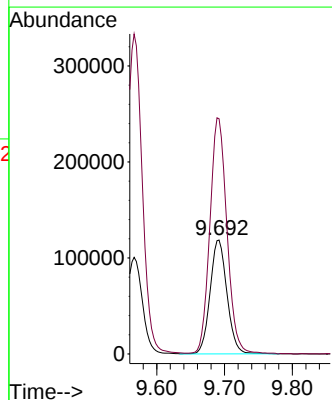
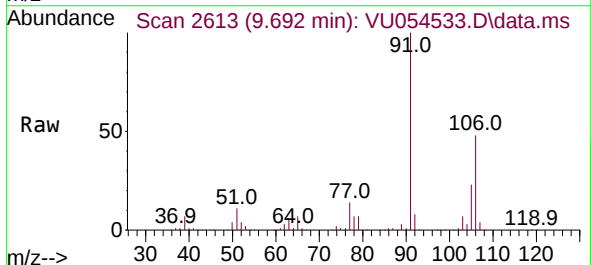
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

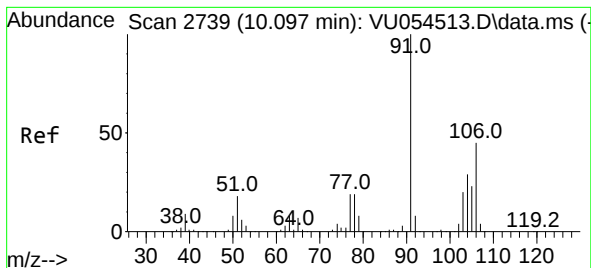
Tgt Ion: 91 Resp: 544981
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#53
m,p-Xylene
Concen: 5.238 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 106 Resp: 205247
Ion Ratio Lower Upper
106 100
91 206.6 147.0 273.0





#54

o-Xylene

Concen: 5.350 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

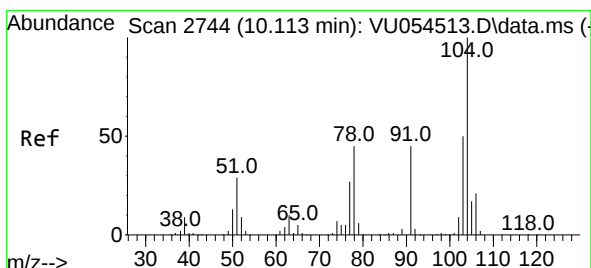
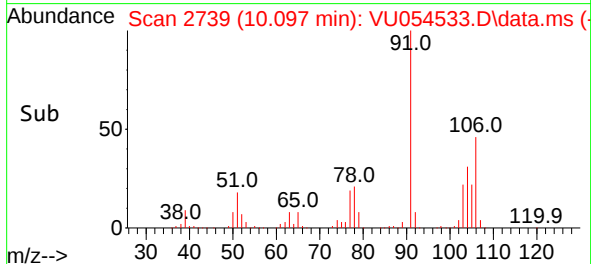
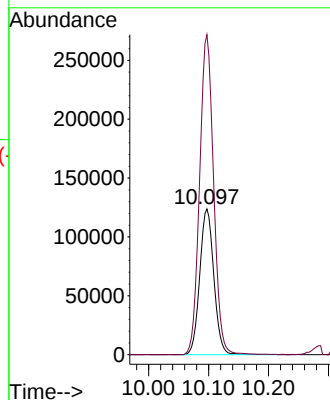
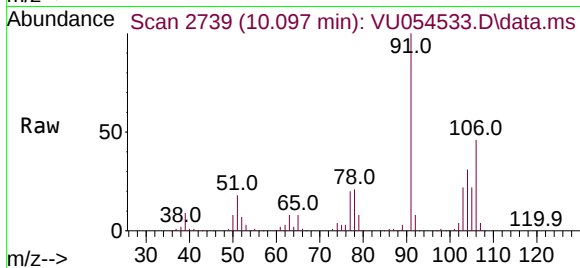
YBW77MSD

Tgt Ion:106 Resp: 202754

Ion Ratio Lower Upper

106 100

91 219.6 154.5 286.9



#55

Styrene

Concen: 5.402 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU054533.D

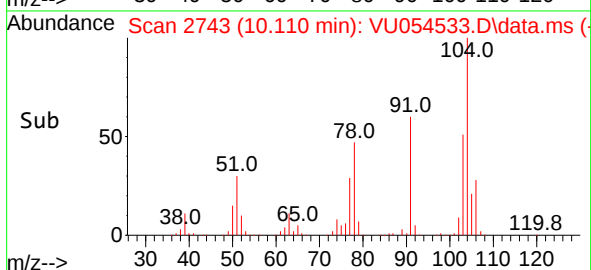
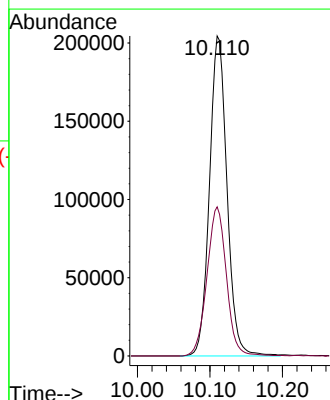
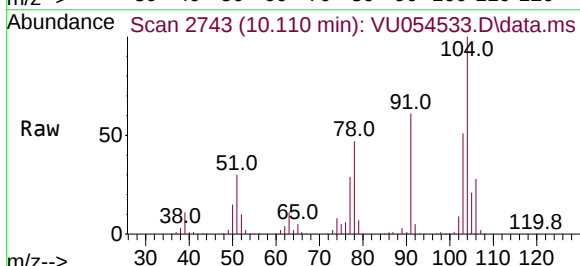
Acq: 15 Jun 2023 18:01

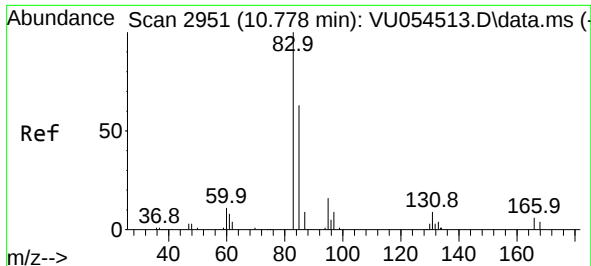
Tgt Ion:104 Resp: 343607

Ion Ratio Lower Upper

104 100

78 46.6 33.0 61.4

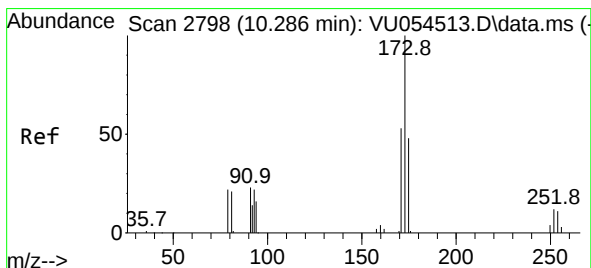
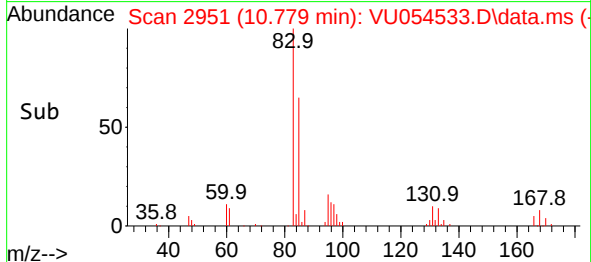
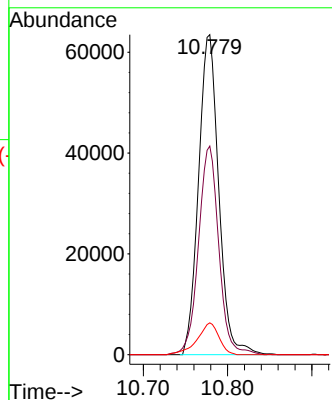
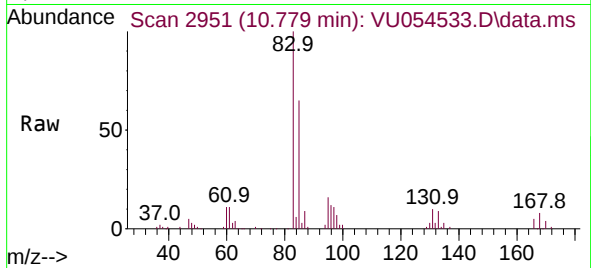




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.117 ug/L
 RT: 10.779 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

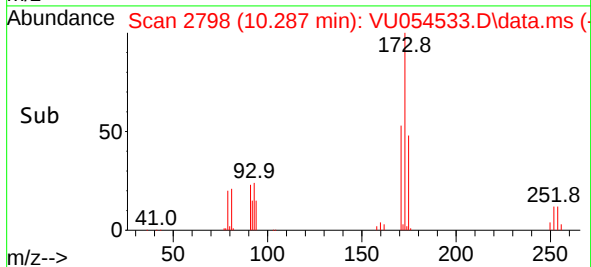
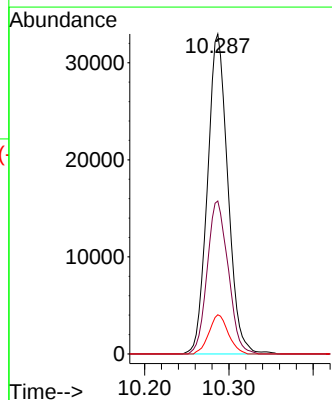
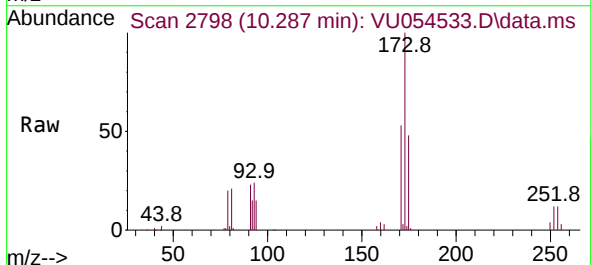
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MSD

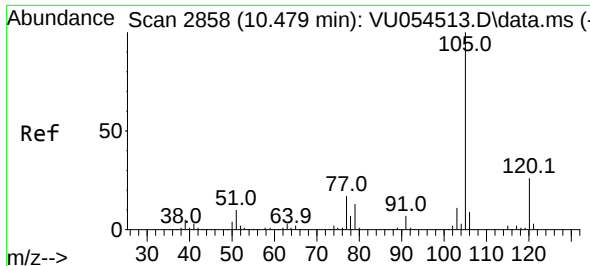
Tgt Ion: 83 Resp: 106043
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.2 82.2
 131 10.0 7.0 10.6



#59
 Bromoform
 Concen: 5.369 ug/L
 RT: 10.287 min Scan# 2798
 Delta R.T. 0.000 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

Tgt Ion:173 Resp: 55479
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.4 59.0
 254 11.6 8.6 12.8

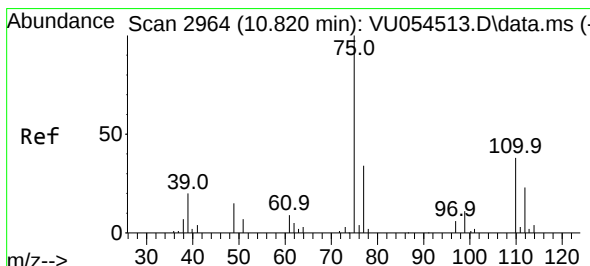
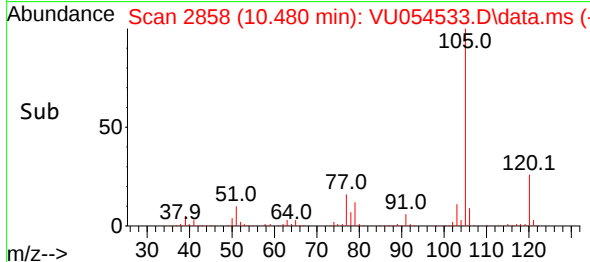
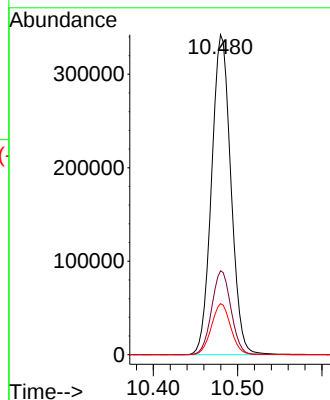
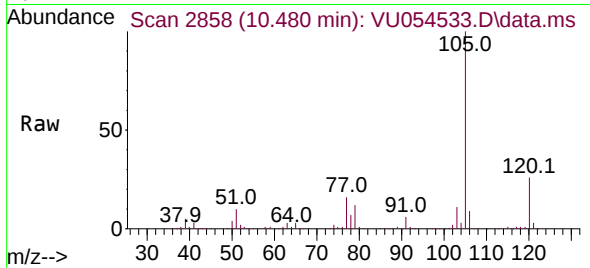




#60
Isopropylbenzene
Concen: 5.172 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

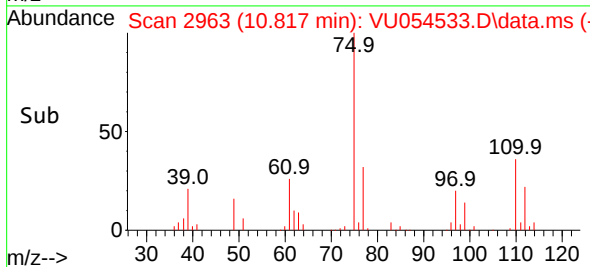
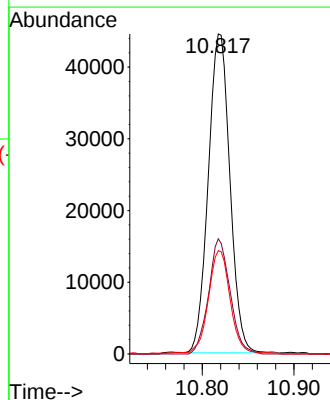
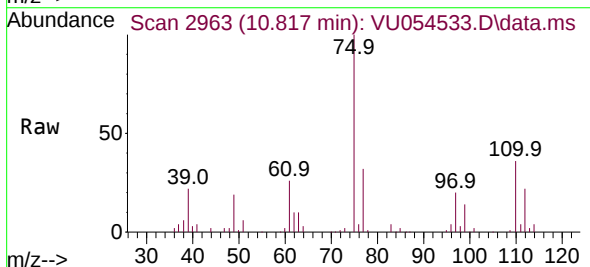
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

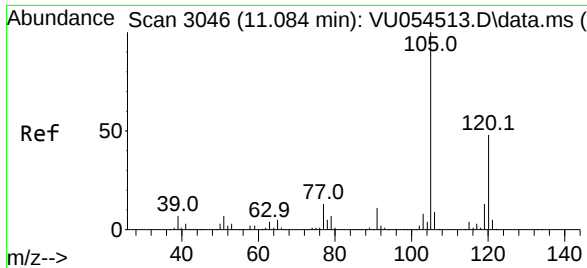
Tgt Ion:105 Resp: 544639
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 15.9 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.016 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion: 75 Resp: 72974
Ion Ratio Lower Upper
75 100
110 35.8 28.0 42.0
77 31.2 25.4 38.2

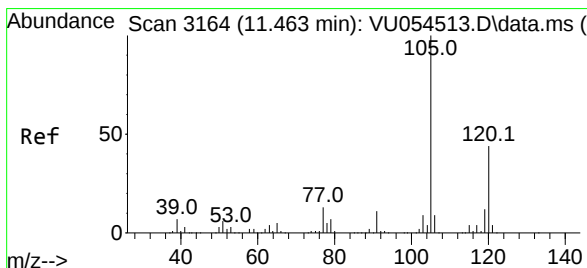
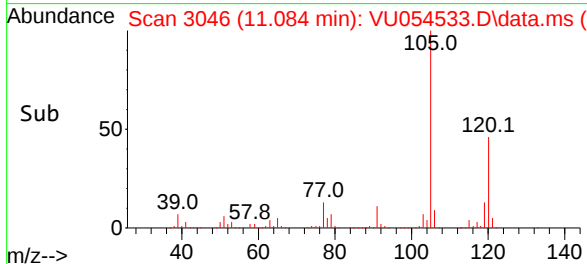
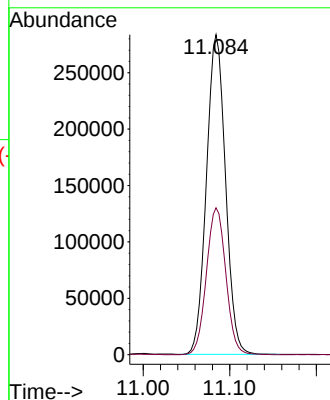
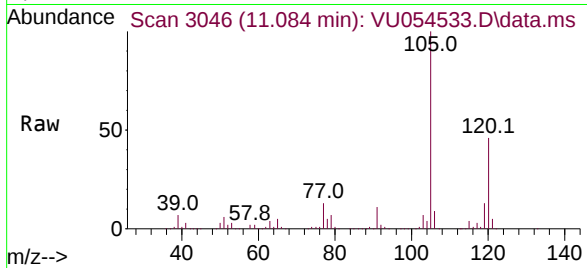




#62
1,3,5-Trimethylbenzene
Concen: 5.045 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

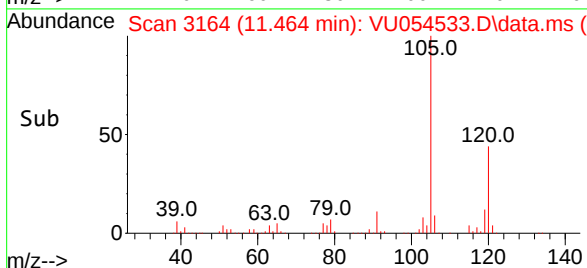
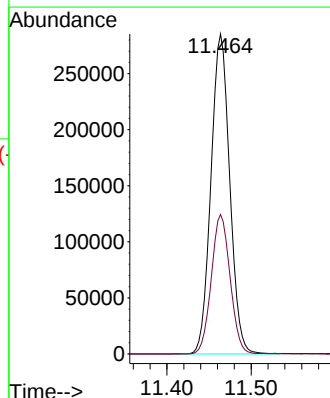
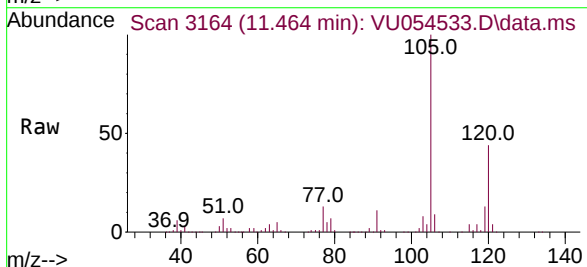
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

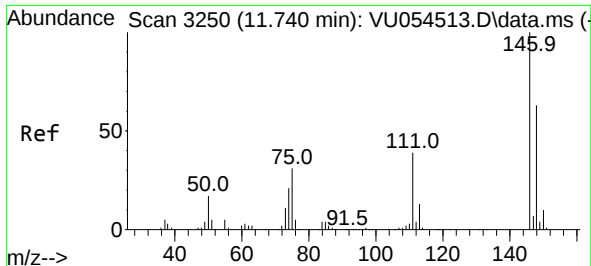
Tgt Ion:105 Resp: 433409
Ion Ratio Lower Upper
105 100
120 46.8 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.061 ug/L
RT: 11.464 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion:105 Resp: 441582
Ion Ratio Lower Upper
105 100
120 43.6 35.4 53.0

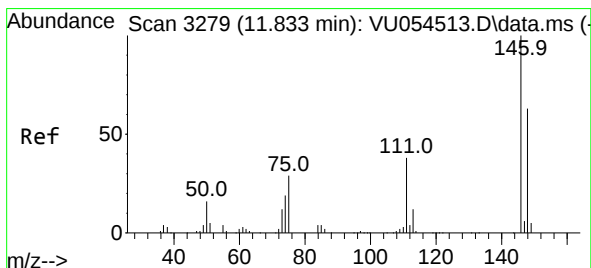
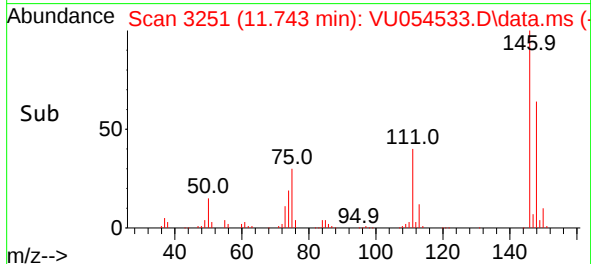
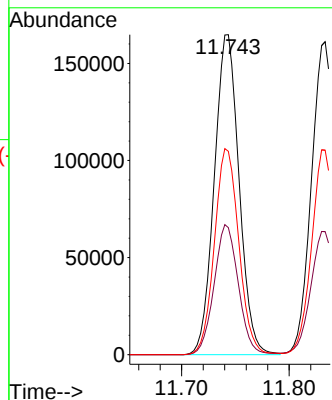
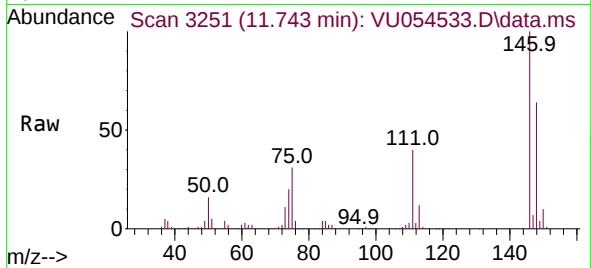




#64
1,3-Dichlorobenzene
Concen: 5.368 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

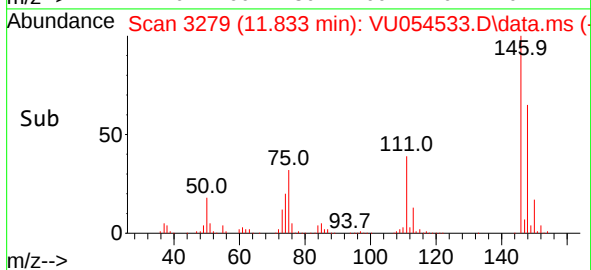
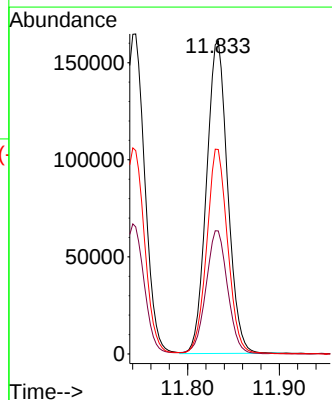
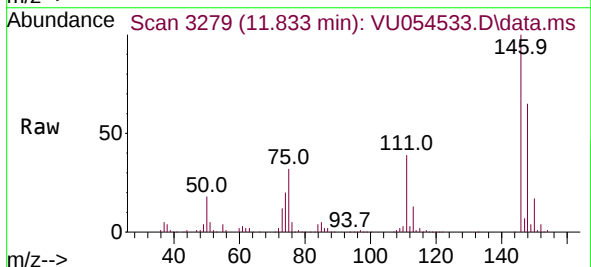
Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

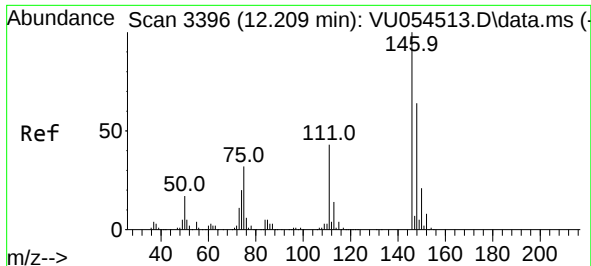
Tgt Ion:146 Resp: 264222
Ion Ratio Lower Upper
146 100
111 39.7 28.9 53.7
148 63.6 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.226 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion:146 Resp: 258149
Ion Ratio Lower Upper
146 100
111 39.3 28.0 52.0
148 65.3 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.248 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

YBW77MSD

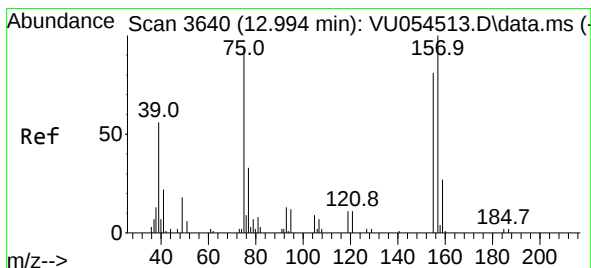
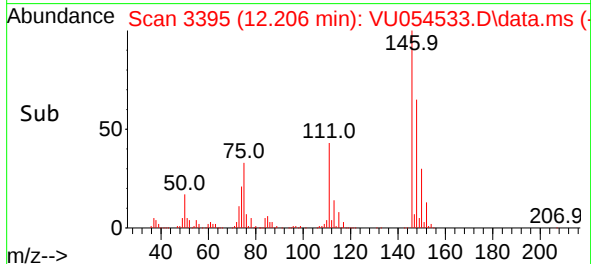
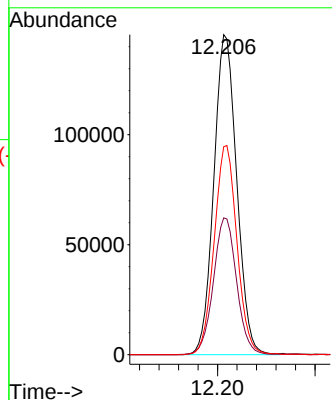
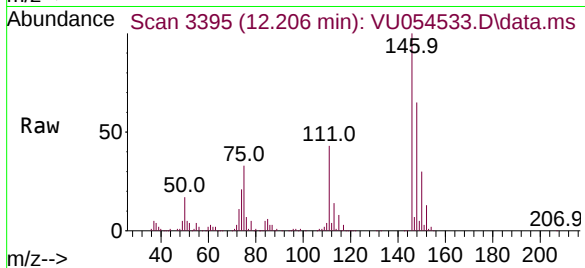
Tgt Ion:146 Resp: 237565

Ion Ratio Lower Upper

146 100

111 42.8 34.5 51.7

148 65.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.250 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU054533.D

Acq: 15 Jun 2023 18:01

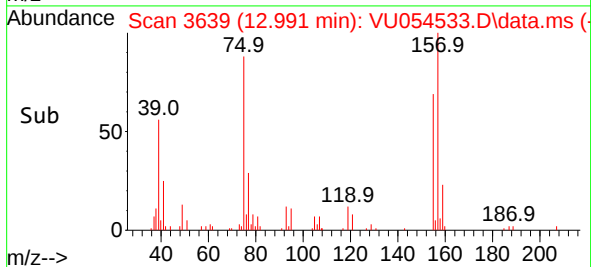
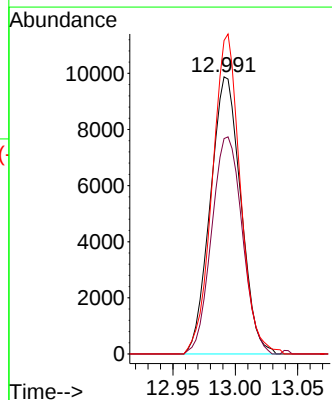
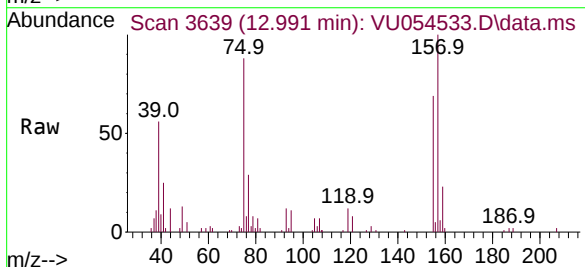
Tgt Ion: 75 Resp: 16782

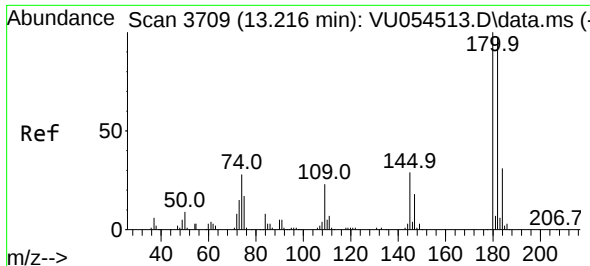
Ion Ratio Lower Upper

75 100

155 77.7 65.7 98.5

157 113.1 84.2 126.2

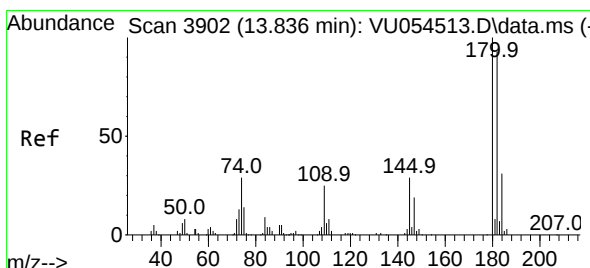
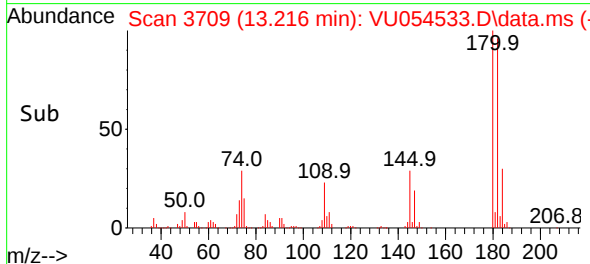
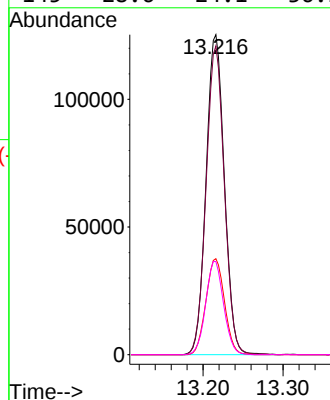
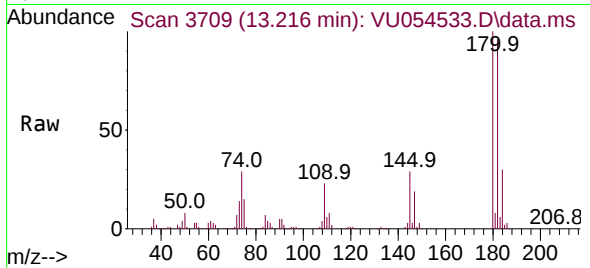




#69
 1,3,5-Trichlorobenzene
 Concen: 5.366 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.004 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

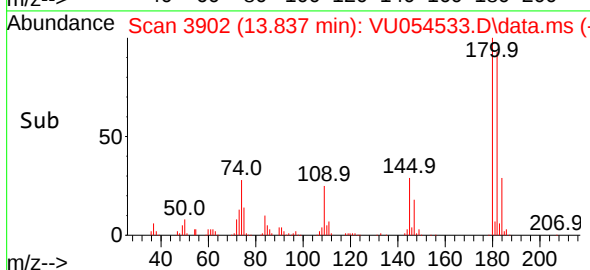
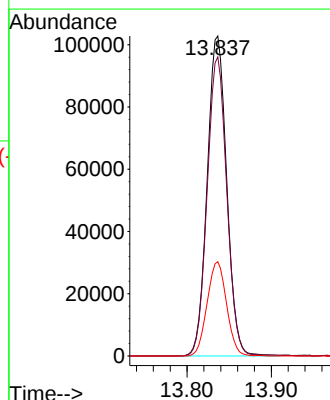
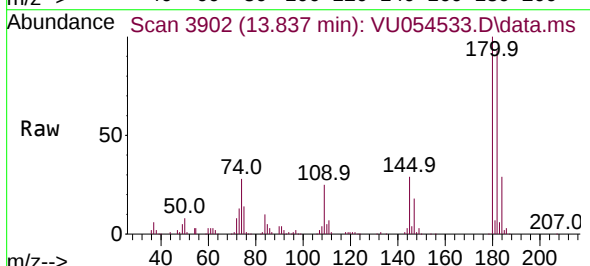
Instrument :
 MSVOA_U
 ClientSampleId :
 YBW77MSD

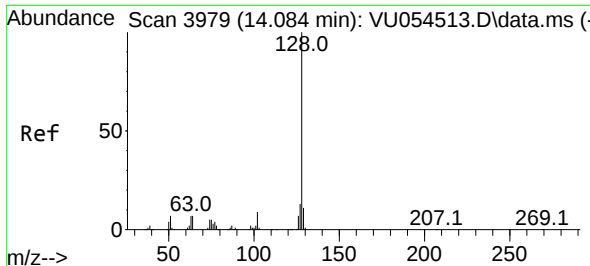
Tgt Ion:180 Resp: 199291
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.0 112.6
 184 30.5 24.1 36.1
 145 28.6 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 5.402 ug/L
 RT: 13.837 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU054533.D
 Acq: 15 Jun 2023 18:01

Tgt Ion:180 Resp: 165901
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.6 114.8
 145 29.2 24.0 36.0

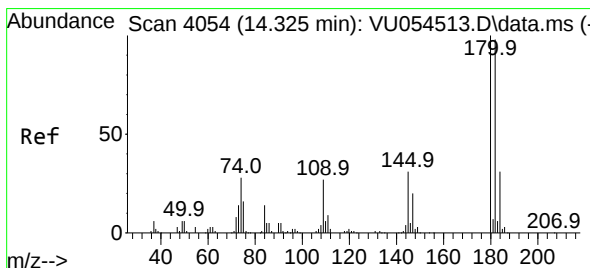
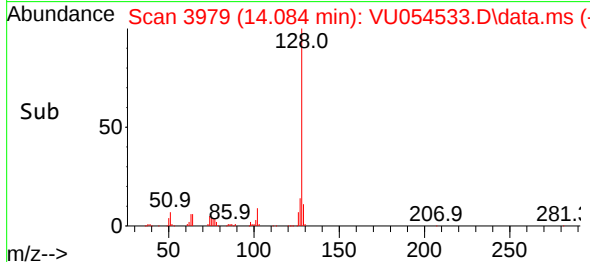
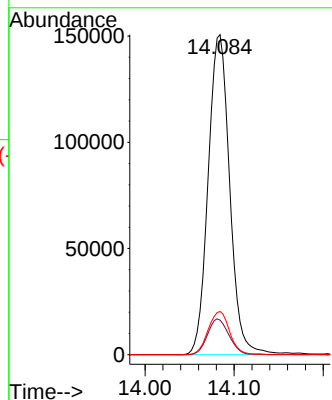
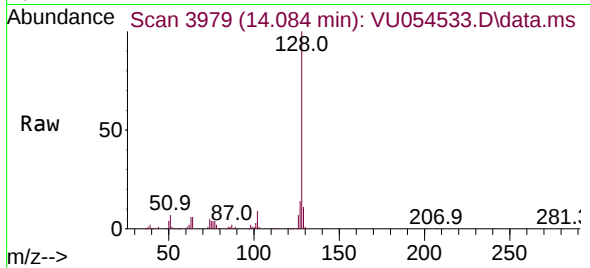




#71
Naphthalene
Concen: 5.067 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.004 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Instrument :
MSVOA_U
ClientSampleId :
YBW77MSD

Tgt Ion:128 Resp: 252990
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.5 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 5.420 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054533.D
Acq: 15 Jun 2023 18:01

Tgt Ion:180 Resp: 142997
Ion Ratio Lower Upper
180 100
182 96.3 75.4 113.2
145 32.1 26.0 39.0

