

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092523\
 Data File : VU055501.D
 Acq On : 25 Sep 2023 17:36
 Operator : MD/SY
 Sample : 04581-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 26 01:23:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 25 01:08:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	324991	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	331304	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	191531	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	91320	2.780	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.600%
7) Chloroethane-d5	1.911	69	89025	3.076	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.600%#
11) 1,1-Dichloroethene-d2	2.563	65	40929	3.027	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.600%
20) 2-Butanone-d5	4.628	46	309511	52.169	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.340%
24) Chloroform-d	5.058	84	247441	4.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	5.698	65	119007	4.164	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
32) Benzene-d6	5.724	84	449886	3.882	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.600%
36) 1,2-Dichloropropane-d6	6.689	67	147148	4.250	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.000%
41) Toluene-d8	7.894	98	389526	3.688	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	8.177	79	52048	4.284	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.631	63	191273	51.753	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.500%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	125648	4.842	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	153138	3.961	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	143574	4.538	ug/L	98
3) Chloromethane	1.515	50	131856	4.737	ug/L	99
5) Vinyl chloride	1.602	62	150137	5.000	ug/L	100
6) Bromomethane	1.856	94	64905	3.403	ug/L	94
8) Chloroethane	1.930	64	79237	4.044	ug/L	95
9) Trichlorofluoromethane	2.136	101	184469	4.430	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	118052	4.659	ug/L	97
12) 1,1-Dichloroethene	2.576	96	107733	4.741	ug/L	88
13) Acetone	2.637	43	148350	43.866	ug/L	99
14) Carbon disulfide	2.788	76	340997	4.992	ug/L	98
15) Methyl Acetate	2.952	43	34961	4.534	ug/L	96
16) Methylene chloride	3.039	84	117732	4.325	ug/L	99
17) Methyl tert-butyl Ether	3.358	73	241924	4.908	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	110542	4.827	ug/L	99
19) 1,1-Dichloroethane	3.866	63	209475	4.946	ug/L	99
21) 2-Butanone	4.708	43	239635	48.312	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	144637	5.447	ug/L	99
23) Bromochloromethane	4.972	128	53156	4.736	ug/L	99
25) Chloroform	5.084	83	221559	4.940	ug/L	98

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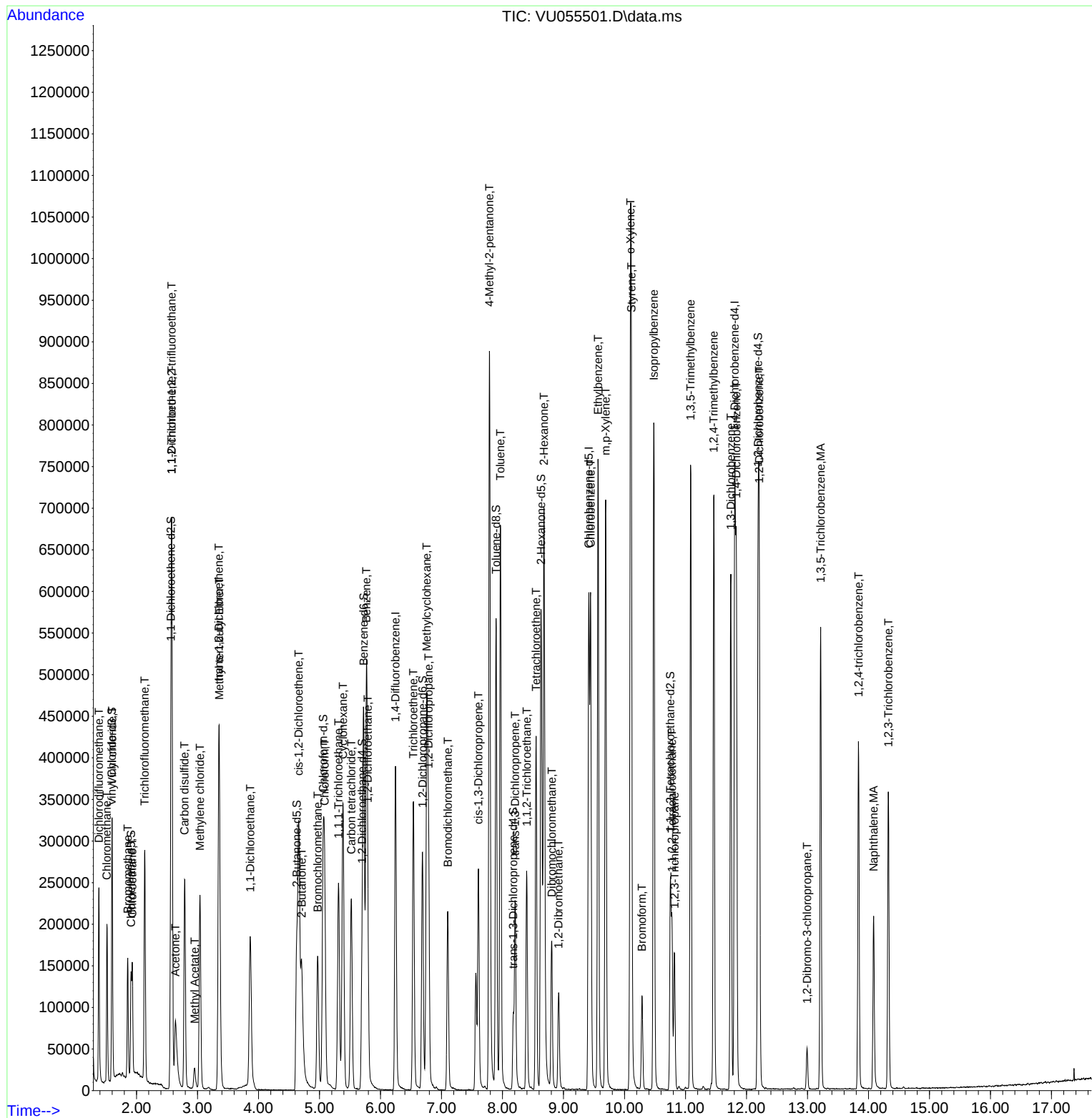
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	125705	4.570	ug/L #	94
29) 1,1,1-Trichloroethane	5.312	97	187422	4.962	ug/L	97
30) Cyclohexane	5.386	56	169205	4.894	ug/L	99
31) Carbon tetrachloride	5.521	117	163541	5.052	ug/L	97
33) Benzene	5.769	78	470545	4.935	ug/L	100
34) Trichloroethene	6.537	95	125884	4.667	ug/L	94
35) Methylcyclohexane	6.759	83	179884	4.630	ug/L	96
37) 1,2-Dichloropropane	6.788	63	120711	4.840	ug/L	99
38) Bromodichloromethane	7.103	83	147848	5.059	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	168542	5.064	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	569415	50.336	ug/L	99
42) Toluene	7.965	91	508517	5.000	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	139178	5.226	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	87149	4.984	ug/L	98
47) Tetrachloroethene	8.550	164	94511	4.885	ug/L	98
48) 2-Hexanone	8.682	43	432945	49.382	ug/L	96
49) Dibromochloromethane	8.807	129	94006	5.129	ug/L	93
50) 1,2-Dibromoethane	8.920	107	82161	5.063	ug/L	99
51) Chlorobenzene	9.444	112	316549	4.859	ug/L	97
52) Ethylbenzene	9.566	91	538734	4.941	ug/L	97
53) m,p-Xylene	9.692	106	206586	5.056	ug/L	98
54) o-Xylene	10.097	106	197461	4.970	ug/L	98
55) Styrene	10.113	104	334905	5.213	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	100746	5.104	ug/L	97
59) Bromoform	10.287	173	52051	5.070	ug/L	98
60) Isopropylbenzene	10.483	105	532460	4.824	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	73593	4.922	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	428486	4.854	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	414086	4.792	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	256437	4.852	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	249529	4.724	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	232945	4.808	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	12774	4.929	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	169739	4.664	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	127362	4.590	ug/L	98
71) Naphthalene	14.084	128	175484	4.369	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	112896	4.676	ug/L	98

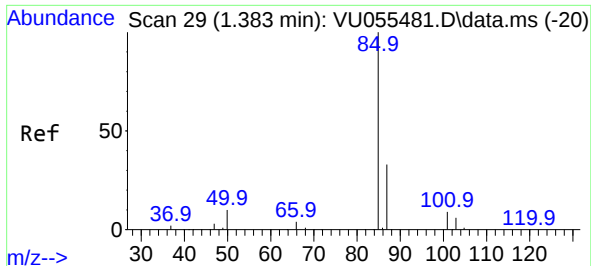
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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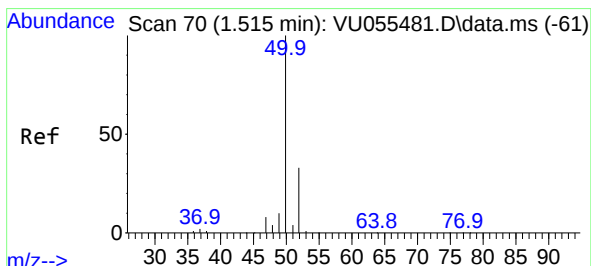
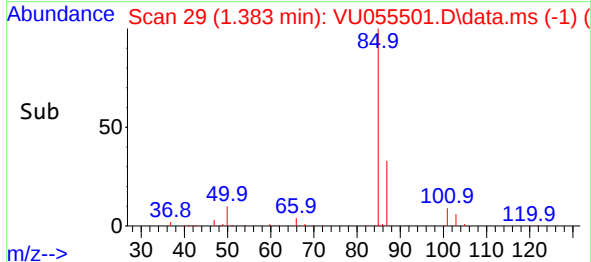
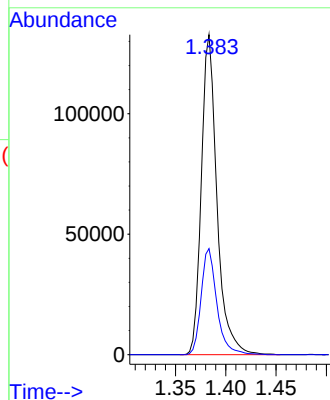
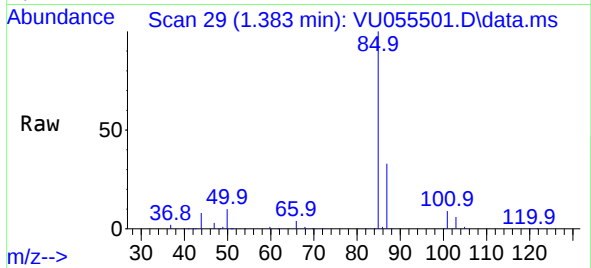




#2
 Dichlorodifluoromethane
 Concen: 4.538 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

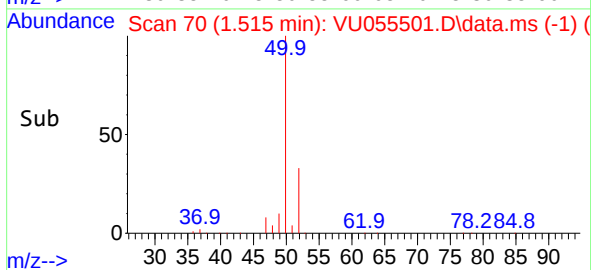
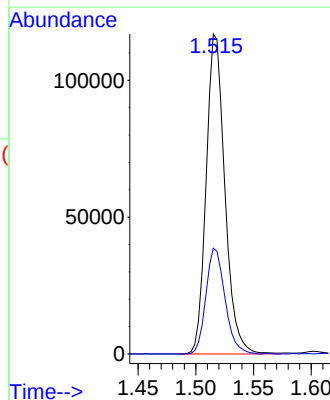
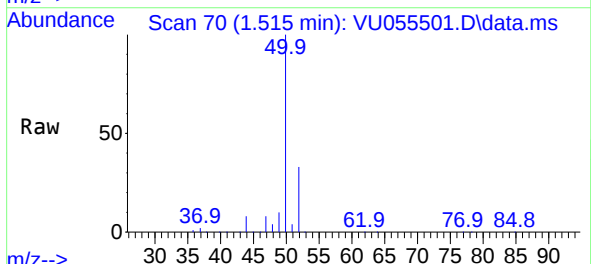
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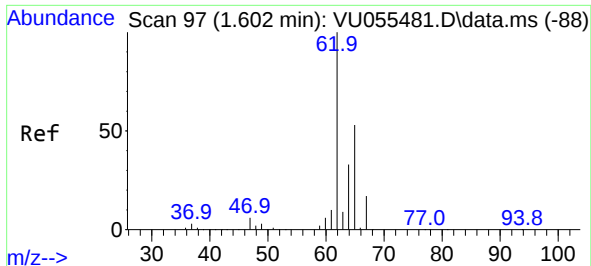
Tgt Ion: 85 Resp: 143574
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.0 39.0



#3
 Chloromethane
 Concen: 4.737 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

Tgt Ion: 50 Resp: 131856
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.9 42.5

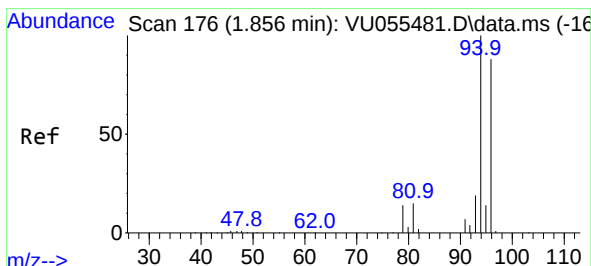
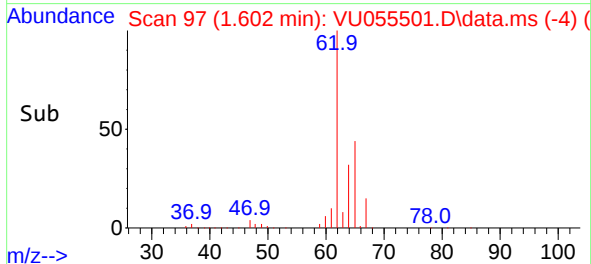
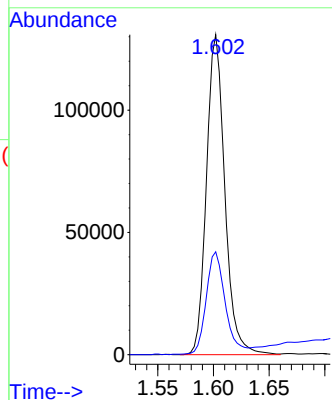
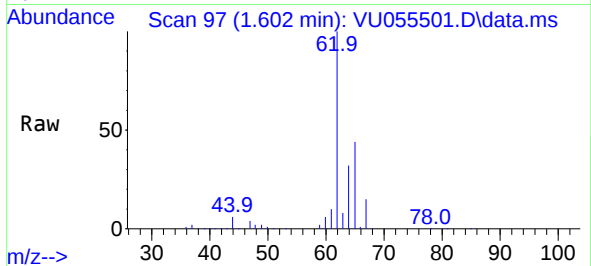




#5
 Vinyl chloride
 Concen: 5.000 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

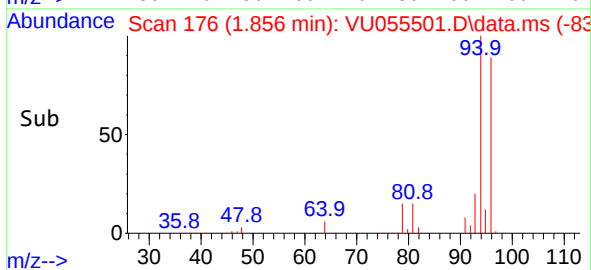
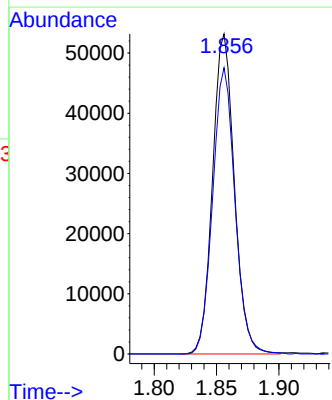
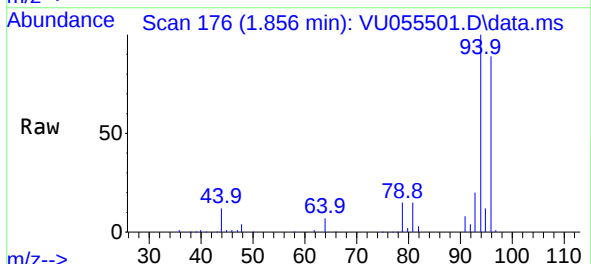
Instrument :
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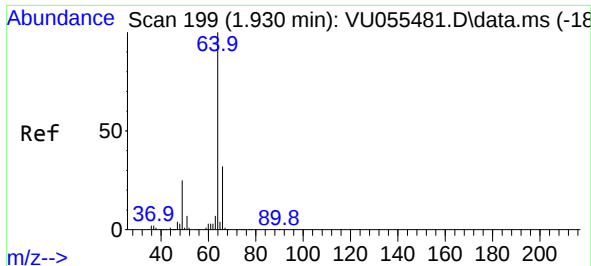
Tgt Ion: 62 Resp: 150137
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.3 41.5



#6
 Bromomethane
 Concen: 3.403 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

Tgt Ion: 94 Resp: 64905
 Ion Ratio Lower Upper
 94 100
 96 89.5 66.4 123.2

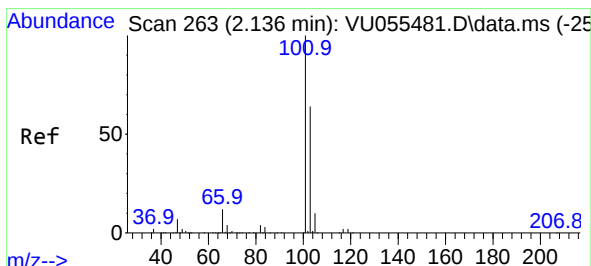
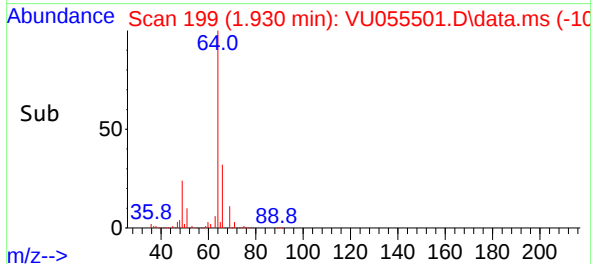
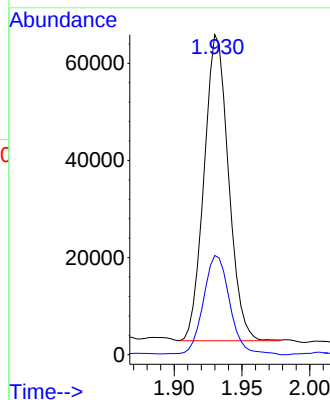
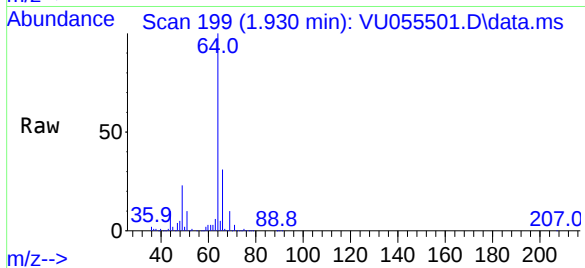




#8
Chloroethane
Concen: 4.044 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

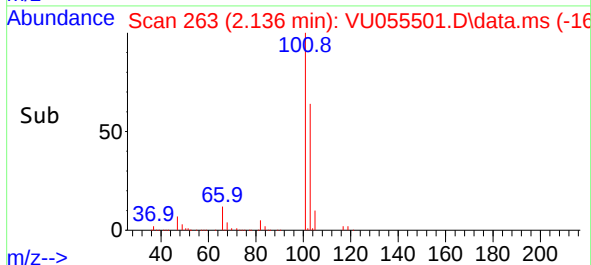
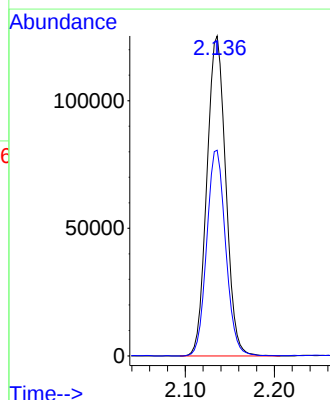
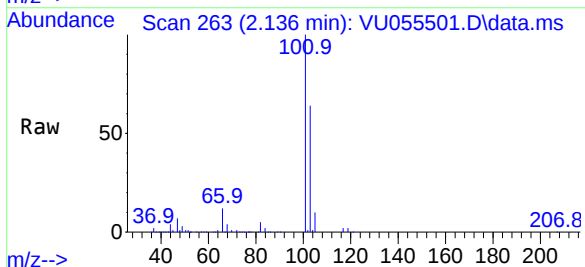
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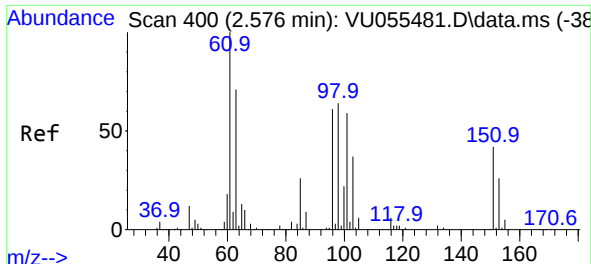
Tgt Ion: 64 Resp: 79237
Ion Ratio Lower Upper
64 100
66 31.0 23.7 44.1



#9
Trichlorofluoromethane
Concen: 4.430 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.007 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion:101 Resp: 184469
Ion Ratio Lower Upper
101 100
103 64.5 52.0 78.0

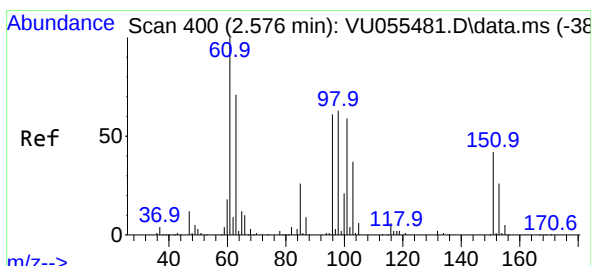
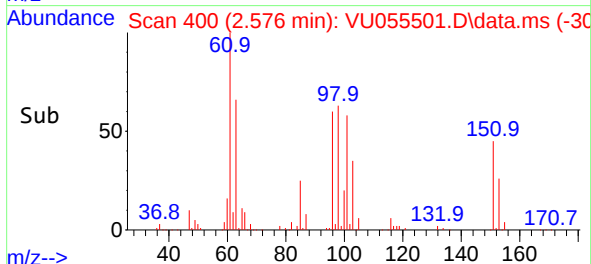
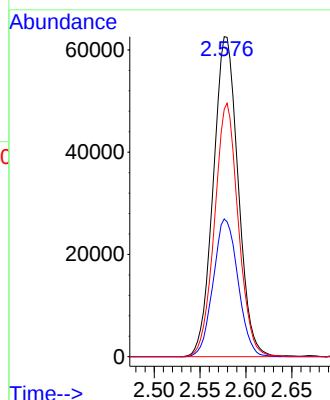
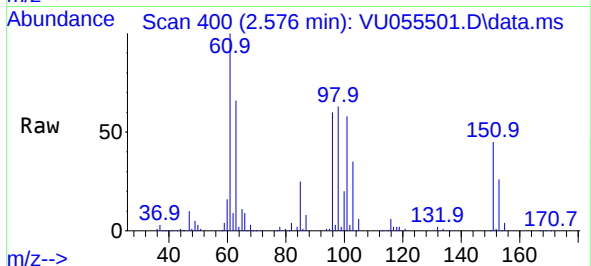




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.659 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU055501.D
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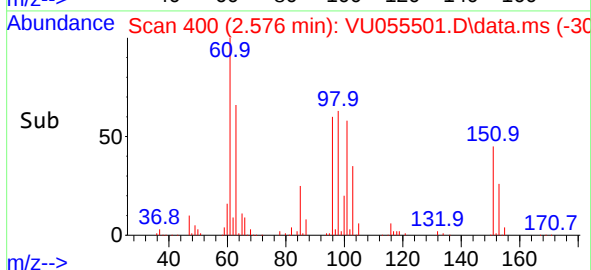
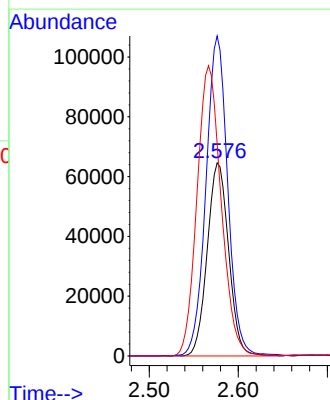
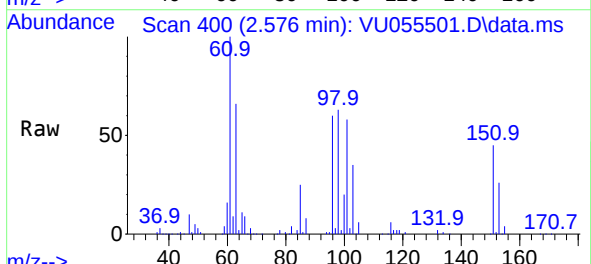
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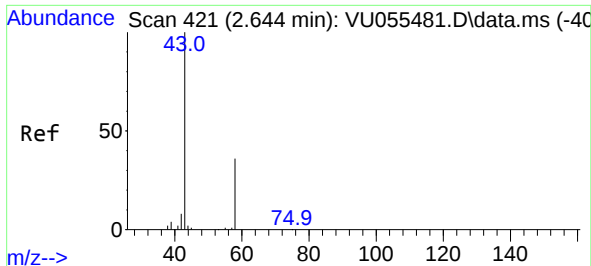
Tgt Ion:101 Resp: 118052
Ion Ratio Lower Upper
101 100
85 43.0 35.8 53.6
151 75.8 58.2 87.4



#12
1,1-Dichloroethene
Concen: 4.741 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 96 Resp: 107733
Ion Ratio Lower Upper
96 100
61 165.7 114.5 212.7
63 109.9 98.3 182.5

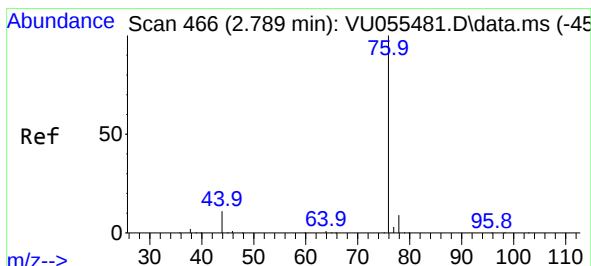
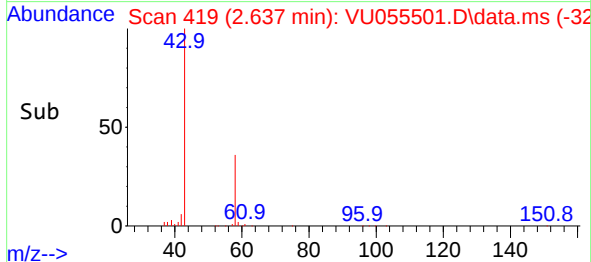
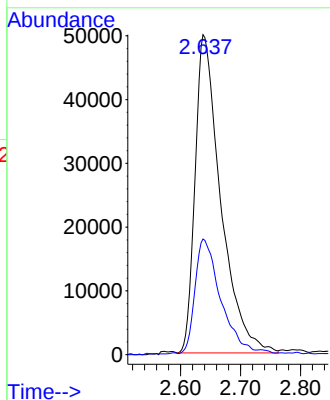
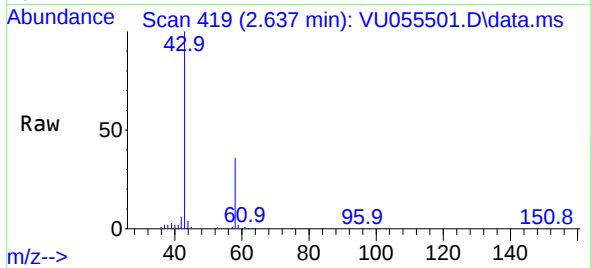




#13
Acetone
Concen: 43.866 ug/L
RT: 2.637 min Scan# 419
Delta R.T. -0.003 min
Lab File: VU055501.D
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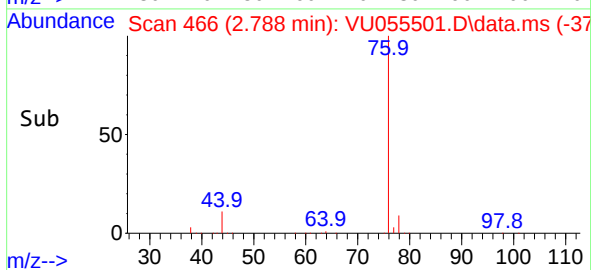
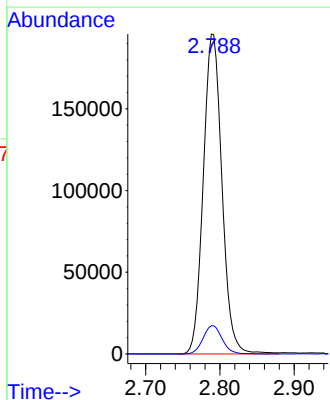
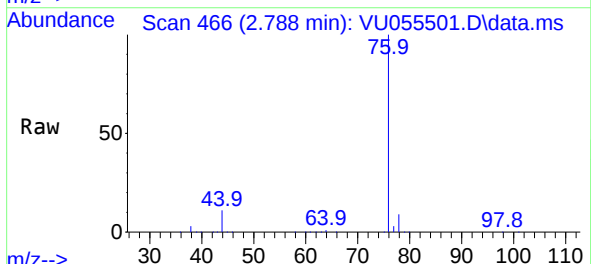
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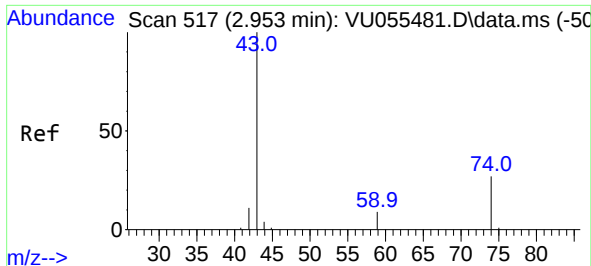
Tgt Ion: 43 Resp: 148350
Ion Ratio Lower Upper
43 100
58 35.5 0.0 72.2



#14
Carbon disulfide
Concen: 4.992 ug/L
RT: 2.788 min Scan# 466
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 76 Resp: 340997
Ion Ratio Lower Upper
76 100
78 8.8 7.7 11.5

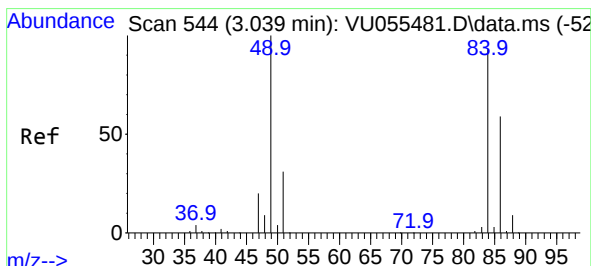
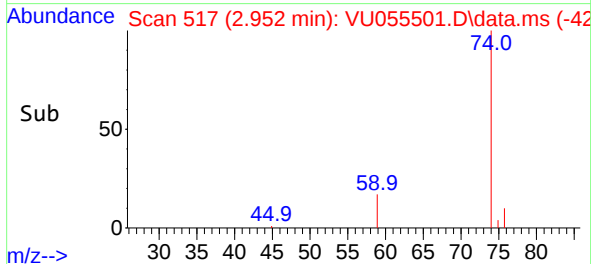
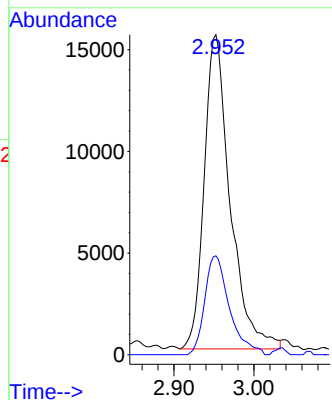
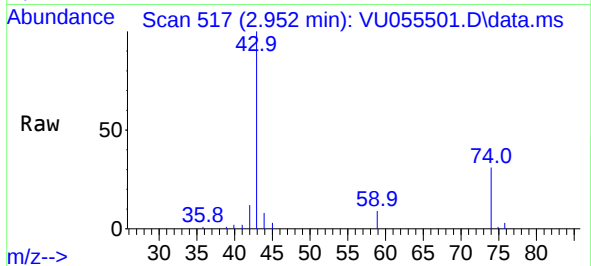




#15
Methyl Acetate
Concen: 4.534 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

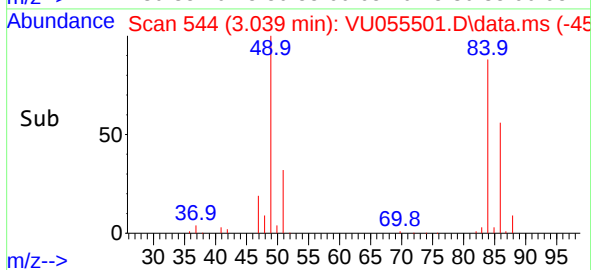
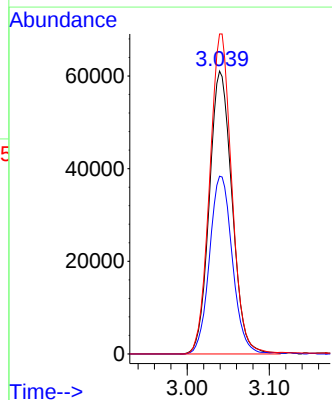
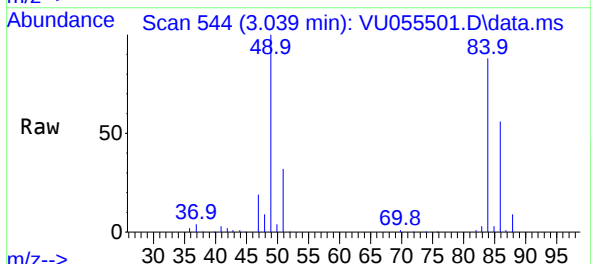
Instrument :
MSVOA_U
ClientSampleId :

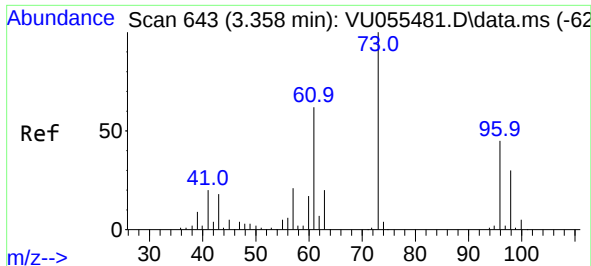
Tgt Ion: 43 Resp: 34961
Ion Ratio Lower Upper
43 100
74 29.9 22.3 33.5



#16
Methylene chloride
Concen: 4.325 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 84 Resp: 117732
Ion Ratio Lower Upper
84 100
86 62.8 44.9 83.3
49 113.1 78.8 146.3

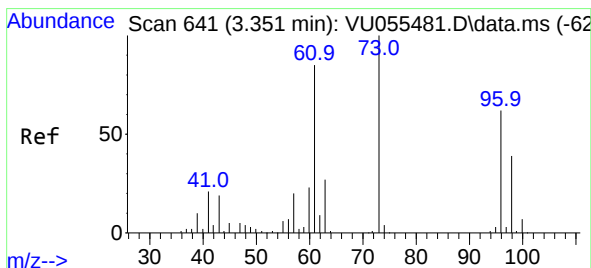
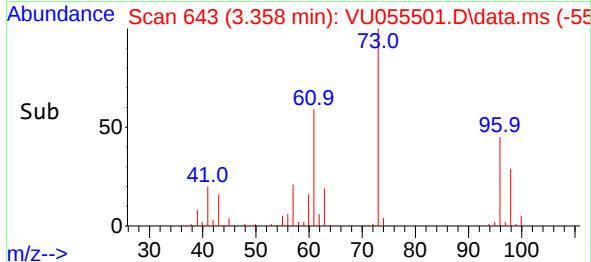
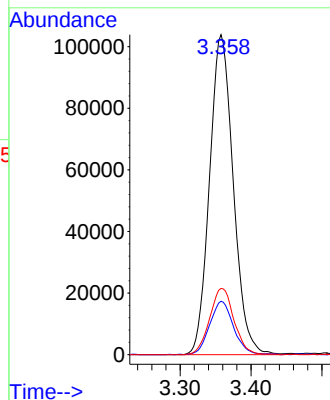
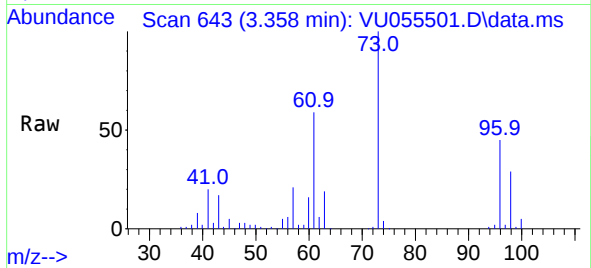




#17
Methyl tert-butyl Ether
Concen: 4.908 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

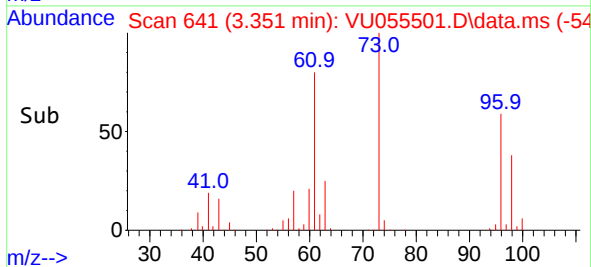
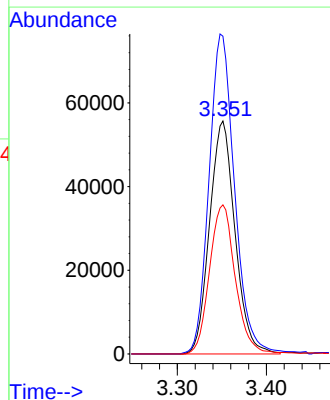
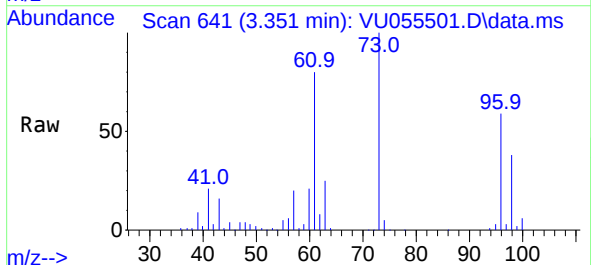
Instrument :
MSVOA_U
ClientSampleId :

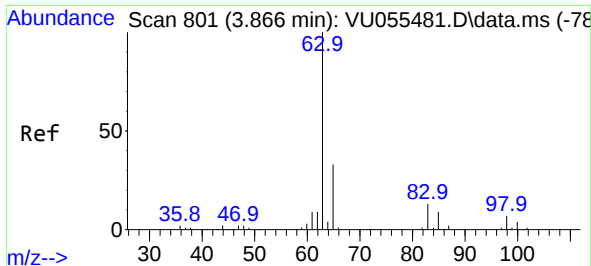
Tgt Ion: 73 Resp: 241924
Ion Ratio Lower Upper
73 100
43 16.7 14.9 22.3
57 21.2 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.827 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

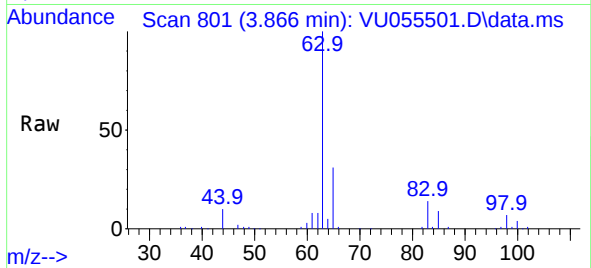
Tgt Ion: 96 Resp: 110542
Ion Ratio Lower Upper
96 100
61 136.4 94.6 175.6
98 64.0 45.7 84.9



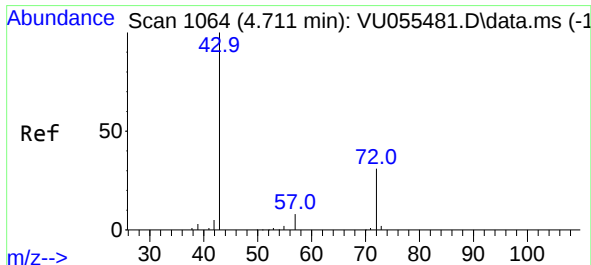
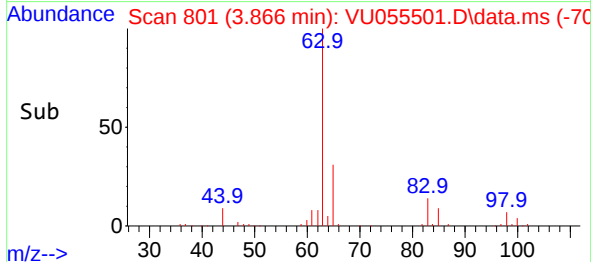
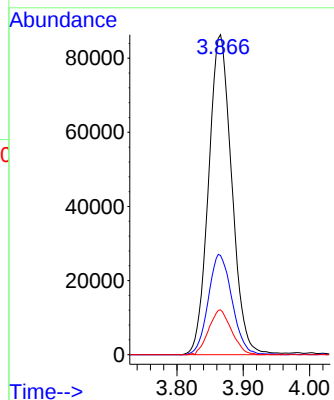


#19
1,1-Dichloroethane
Concen: 4.946 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Instrument :
MSVOA_U
ClientSampleId :

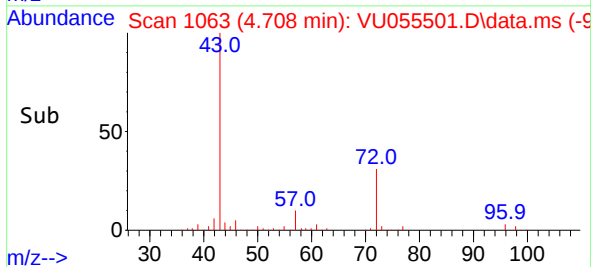
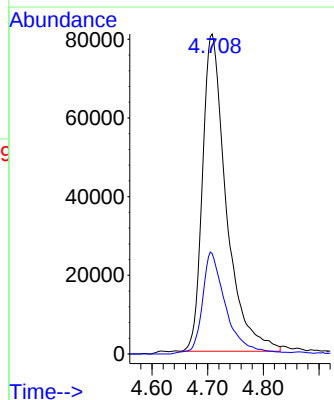
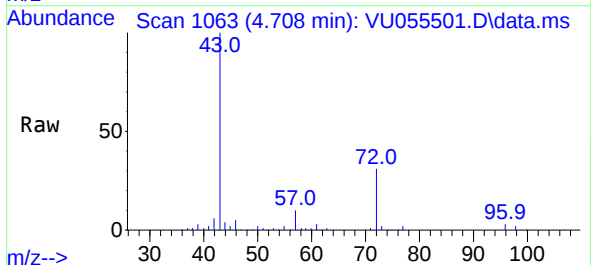


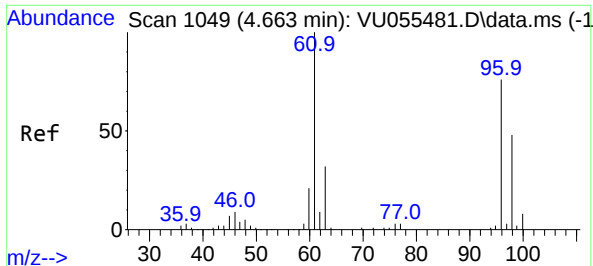
Tgt Ion: 63 Resp: 209475
Ion Ratio Lower Upper
63 100
65 31.0 22.0 41.0
83 14.0 10.1 18.9



#21
2-Butanone
Concen: 48.312 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

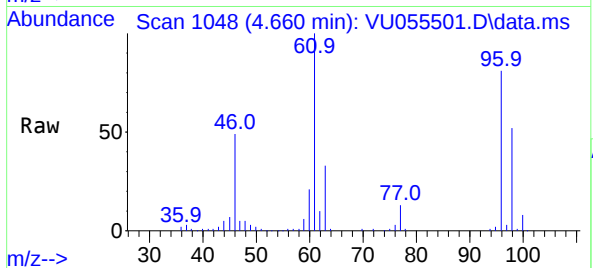
Tgt Ion: 43 Resp: 239635
Ion Ratio Lower Upper
43 100
72 31.9 15.1 45.3





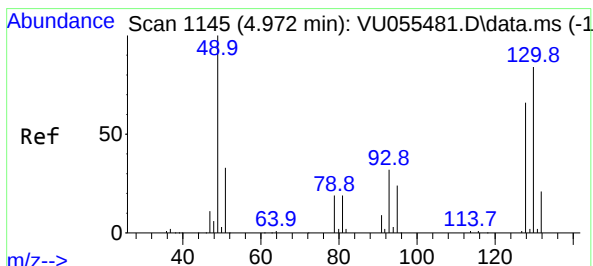
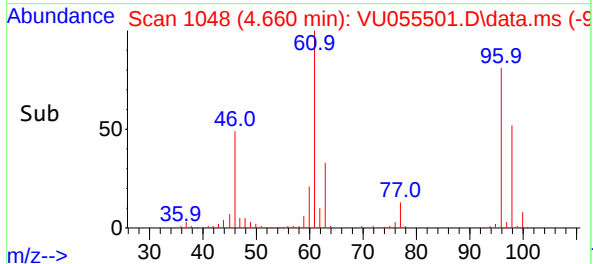
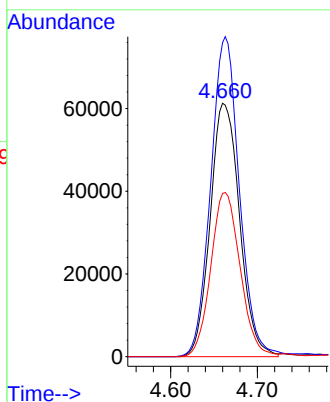
#22
 cis-1,2-Dichloroethene
 Concen: 5.447 ug/L
 RT: 4.660 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 144637

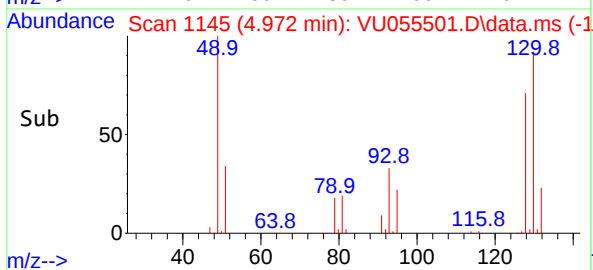
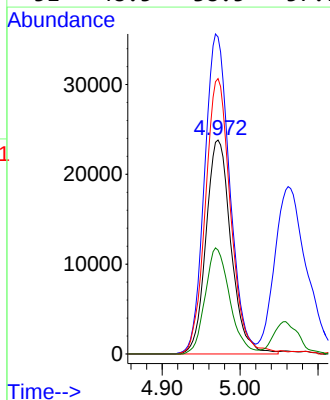
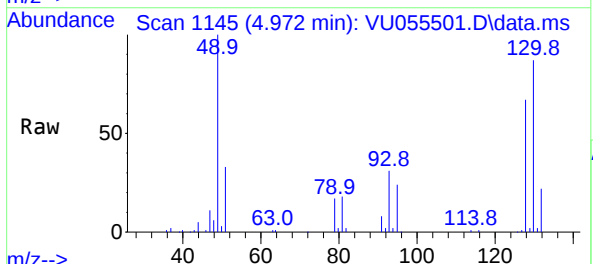
Ion	Ratio	Lower	Upper
96	100		
61	123.9	87.8	163.2
98	64.4	44.4	82.4

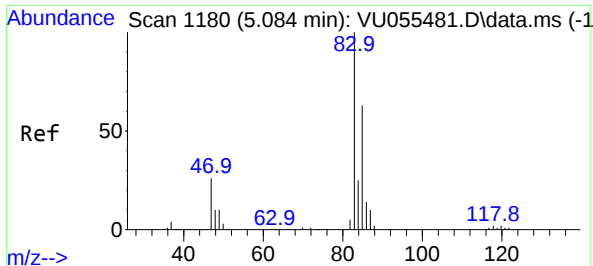


#23
 Bromochloromethane
 Concen: 4.736 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

Tgt Ion: 128 Resp: 53156

Ion	Ratio	Lower	Upper
128	100		
49	148.2	102.8	191.0
130	128.7	89.9	166.9
51	48.5	38.5	57.7





#25

Chloroform

Concen: 4.940 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055501.D

Acq: 25 Sep 2023 17:36

Instrument :

MSVOA_U

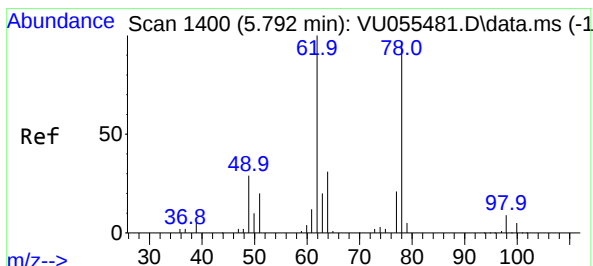
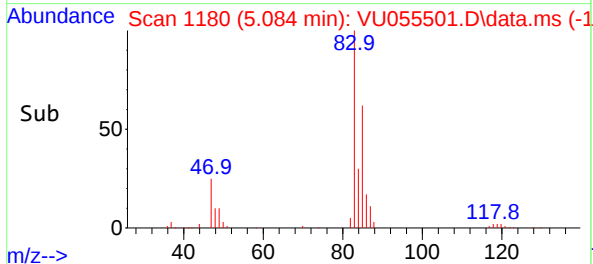
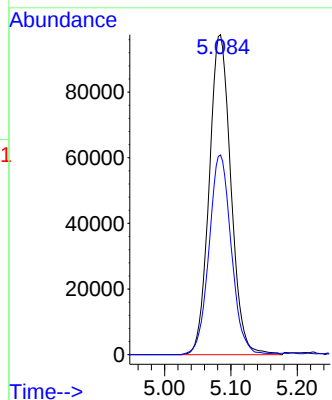
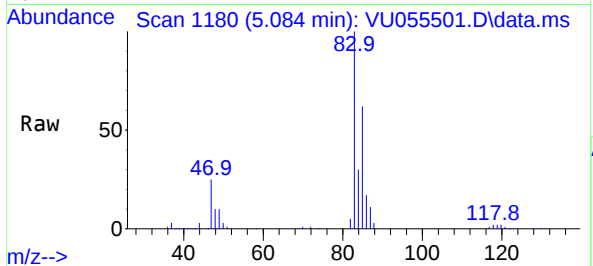
ClientSampleId :

Tgt Ion: 83 Resp: 221559

Ion Ratio Lower Upper

83 100

85 62.4 44.9 83.5



#27

1,2-Dichloroethane

Concen: 4.570 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055501.D

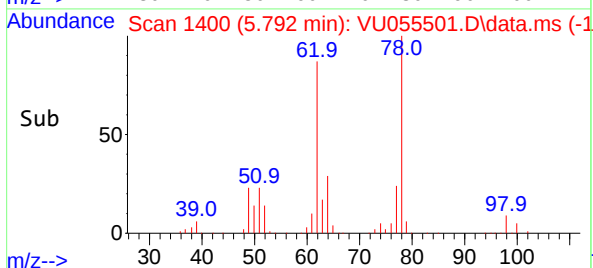
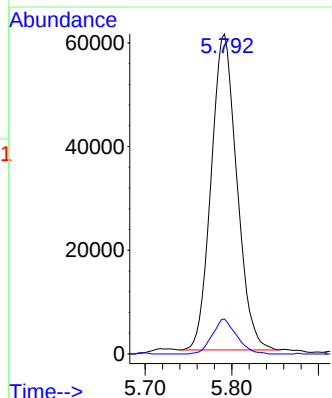
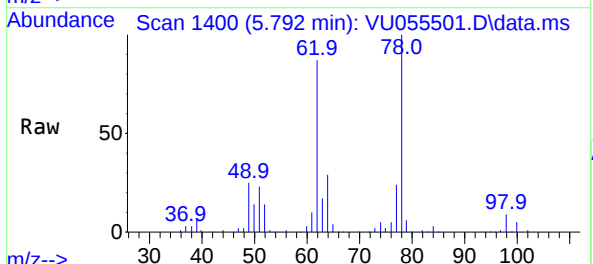
Acq: 25 Sep 2023 17:36

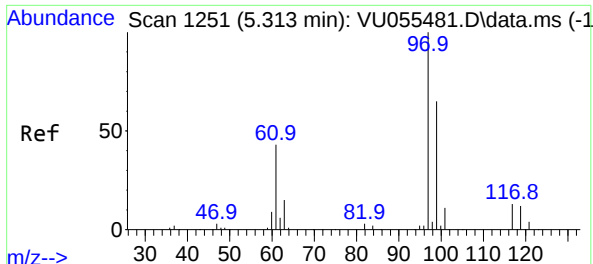
Tgt Ion: 62 Resp: 125705

Ion Ratio Lower Upper

62 100

98 10.9 7.0 10.4#

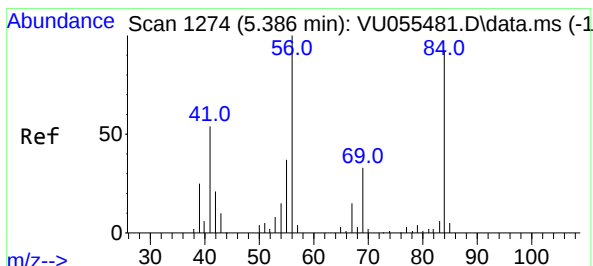
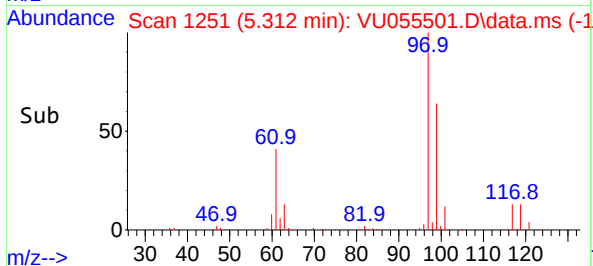
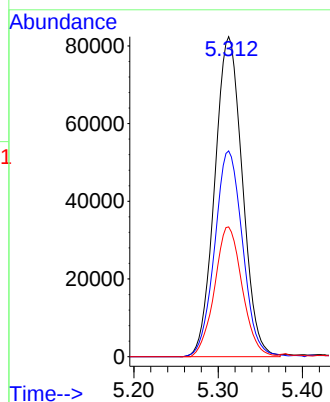
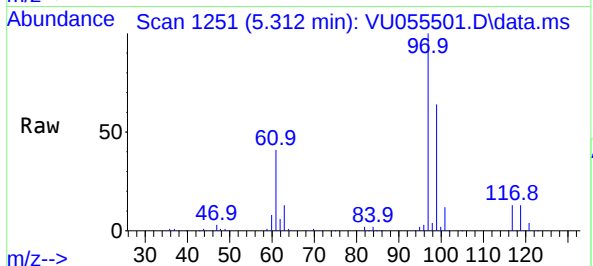




#29
1,1,1-Trichloroethane
Concen: 4.962 ug/L
RT: 5.312 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

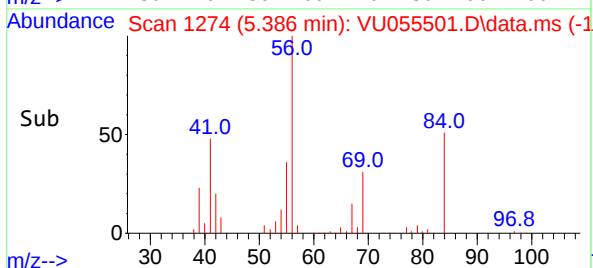
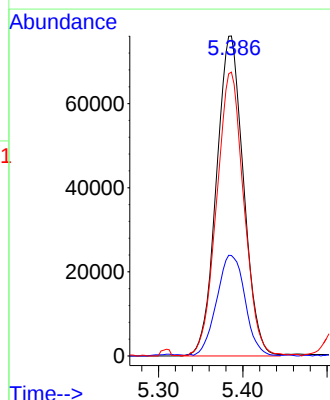
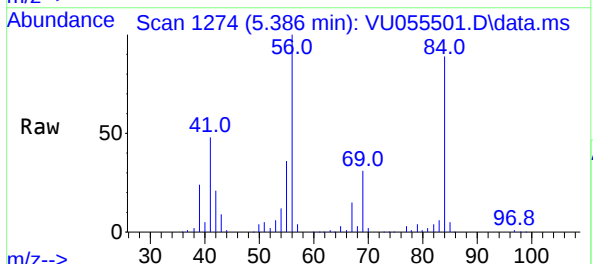
Instrument :
MSVOA_U
ClientSampleId :

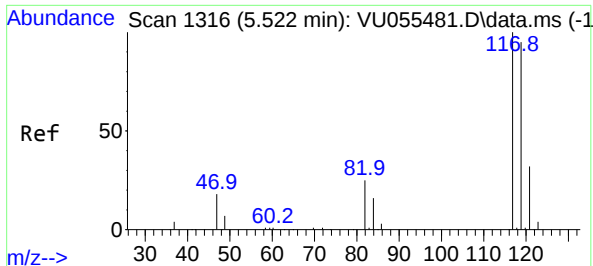
Tgt Ion: 97 Resp: 187422
Ion Ratio Lower Upper
97 100
99 65.0 50.7 76.1
61 40.6 34.6 51.8



#30
Cyclohexane
Concen: 4.894 ug/L
RT: 5.386 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 56 Resp: 169205
Ion Ratio Lower Upper
56 100
69 32.8 26.5 39.7
84 89.0 72.6 108.8

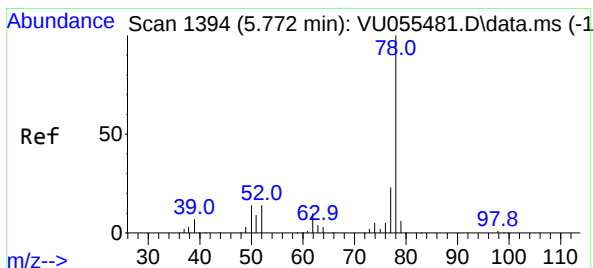
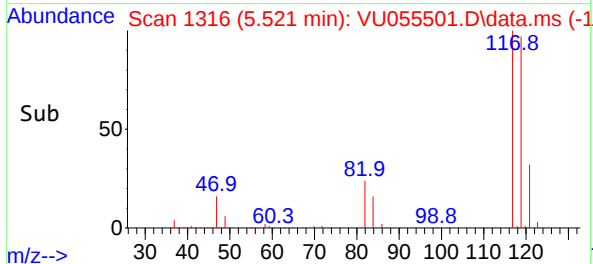
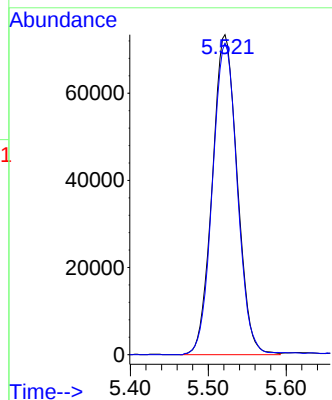
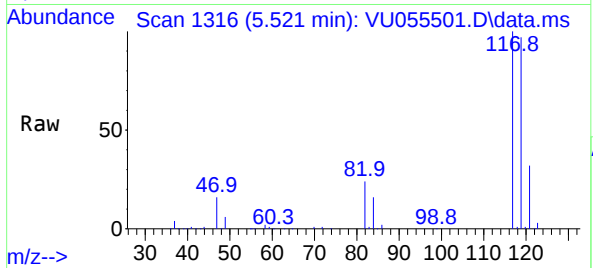




#31
Carbon tetrachloride
Concen: 5.052 ug/L
RT: 5.521 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

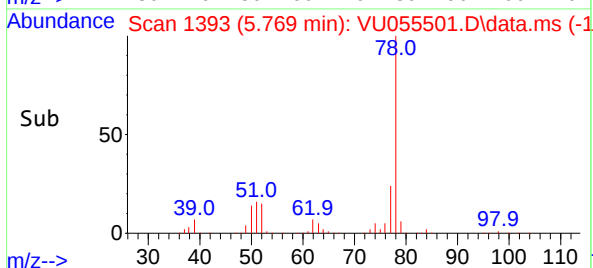
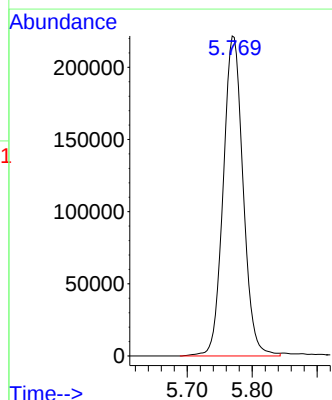
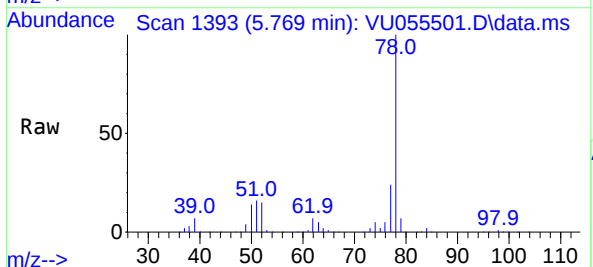
Instrument :
MSVOA_U
ClientSampleId :

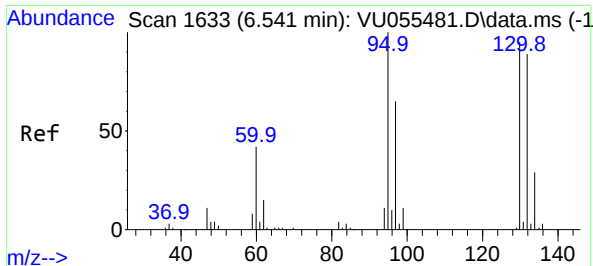
Tgt Ion:117 Resp: 163541
Ion Ratio Lower Upper
117 100
119 96.6 75.2 112.8



#33
Benzene
Concen: 4.935 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

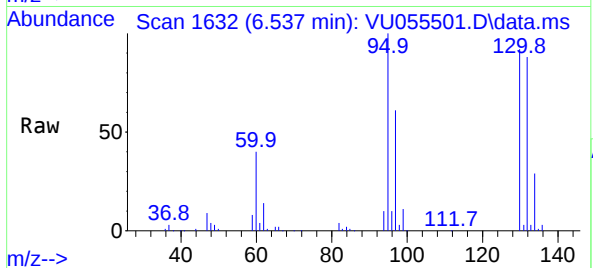
Tgt Ion: 78 Resp: 470545



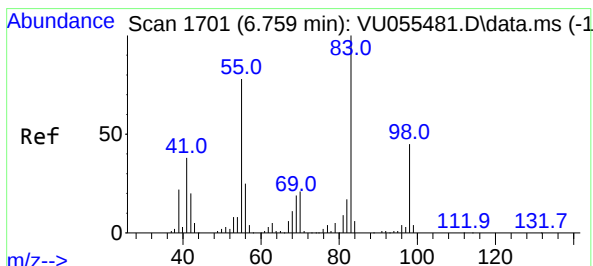
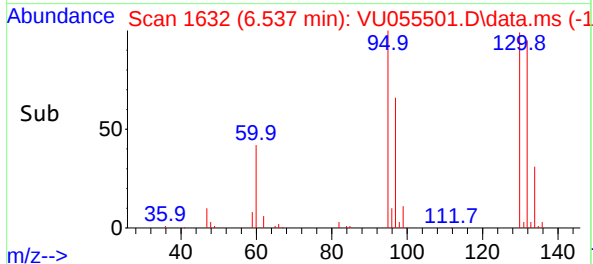
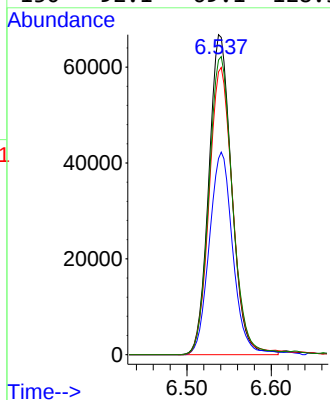


#34
Trichloroethene
Concen: 4.667 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Instrument :
MSVOA_U
ClientSampleId :

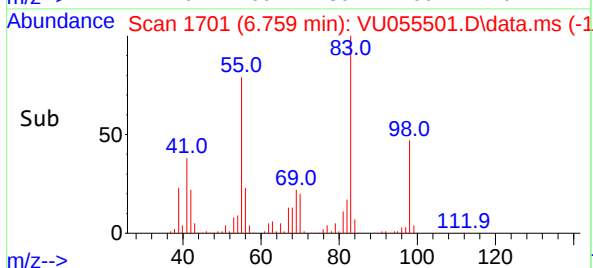
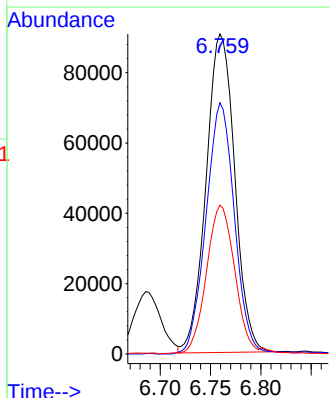
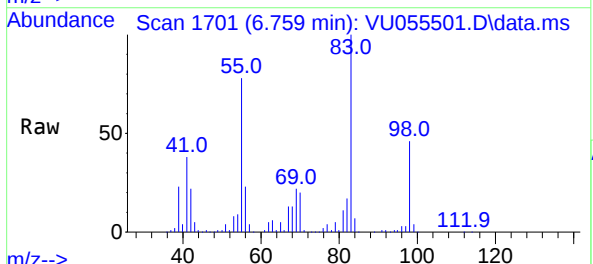


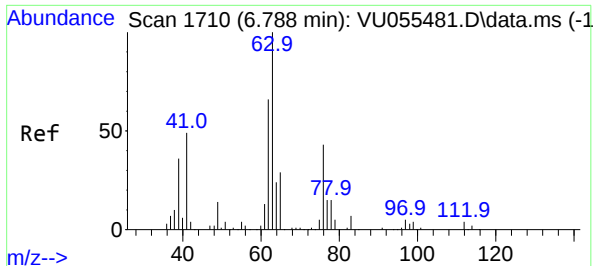
Tgt Ion: 95 Resp: 125884
Ion Ratio Lower Upper
95 100
97 61.3 45.4 84.2
132 88.4 65.2 121.2
130 92.1 69.1 128.3



#35
Methylcyclohexane
Concen: 4.630 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 83 Resp: 179884
Ion Ratio Lower Upper
83 100
55 78.3 59.1 88.7
98 46.1 36.3 54.5

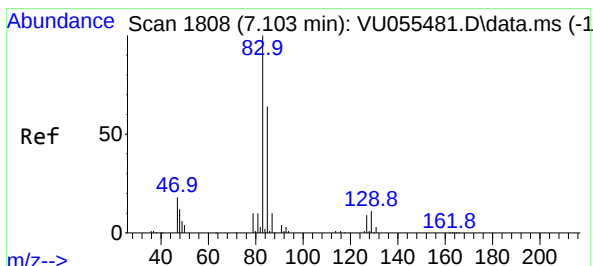
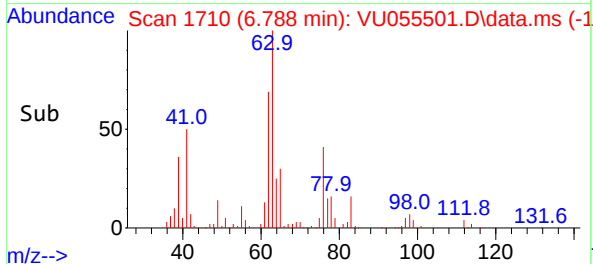
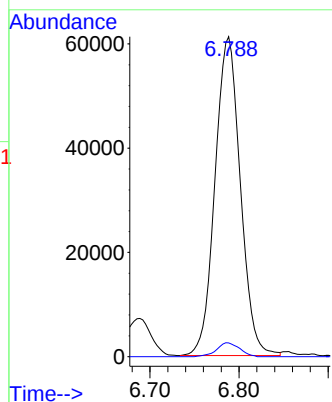
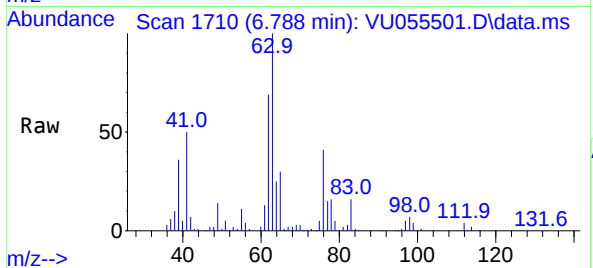




#37
1,2-Dichloropropane
Concen: 4.840 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

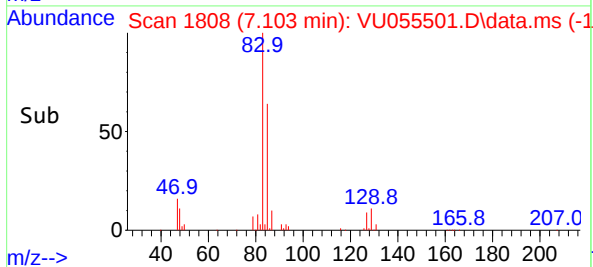
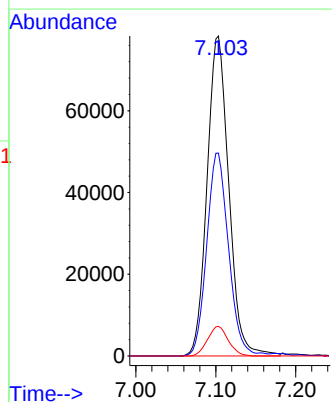
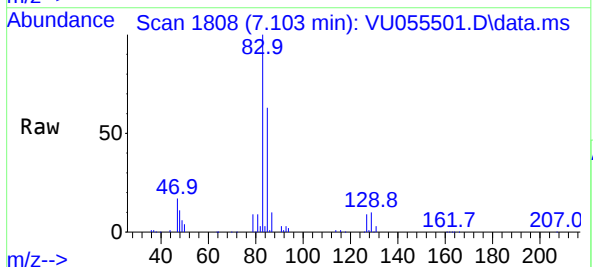
Instrument :
MSVOA_U
ClientSampleId :

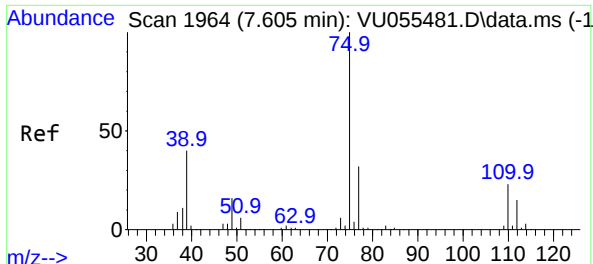
Tgt Ion: 63 Resp: 120711
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.6



#38
Bromodichloromethane
Concen: 5.059 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 83 Resp: 147848
Ion Ratio Lower Upper
83 100
85 63.4 46.8 86.8
127 9.3 7.2 10.8

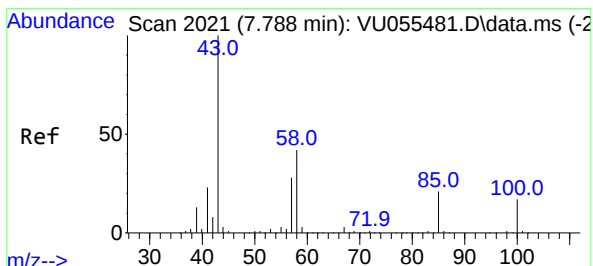
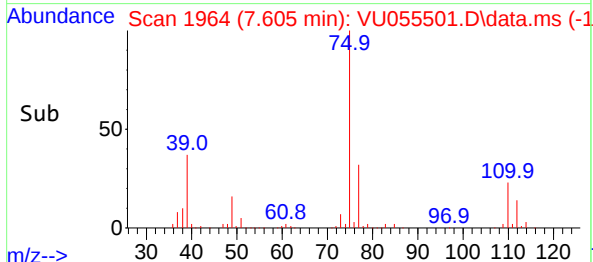
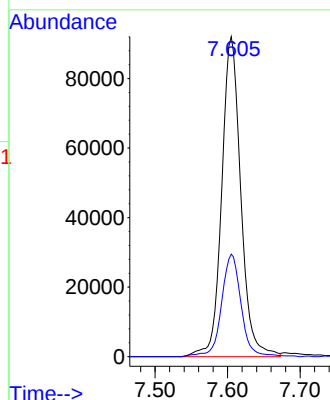
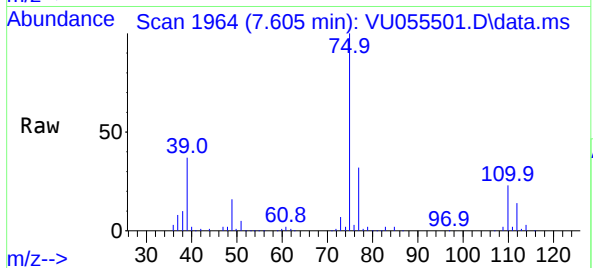




#39
 cis-1,3-Dichloropropene
 Concen: 5.064 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

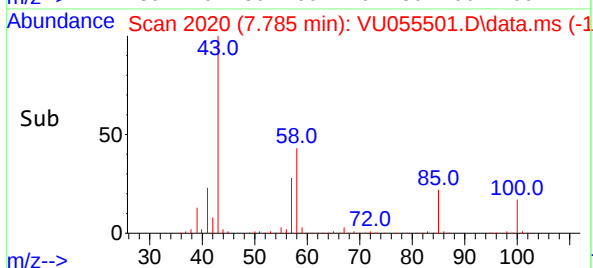
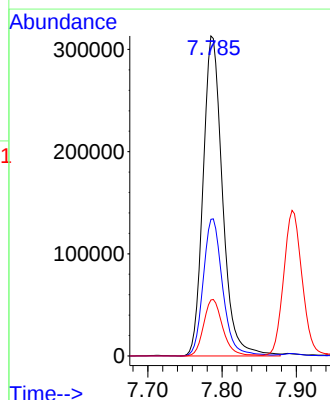
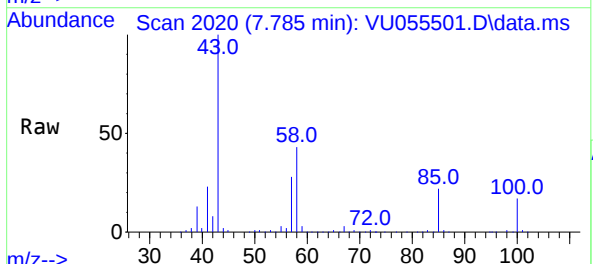
Instrument :
 MSVOA_U
 ClientSampleId :

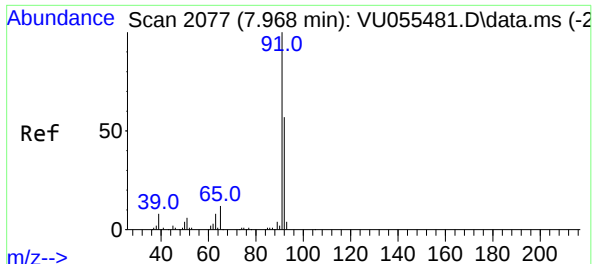
Tgt Ion: 75 Resp: 168542
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 50.336 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.003 min
 Lab File: VU055501.D
 Acq: 25 Sep 2023 17:36

Tgt Ion: 43 Resp: 569415
 Ion Ratio Lower Upper
 43 100
 58 42.9 34.2 51.4
 100 17.4 13.4 20.0





#42

Toluene

Concen: 5.000 ug/L

RT: 7.965 min Scan# 2077

Delta R.T. 0.000 min

Lab File: VU055501.D

Acq: 25 Sep 2023 17:36

Instrument :

MSVOA_U

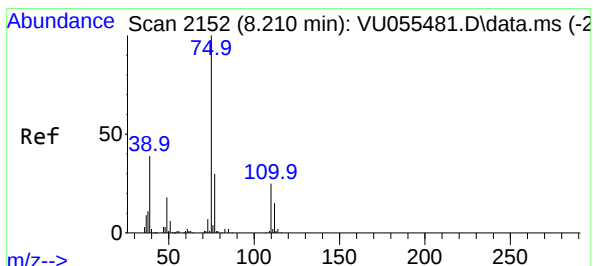
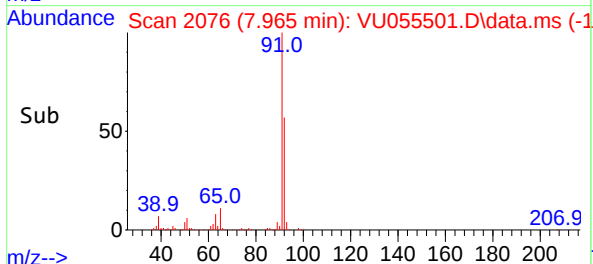
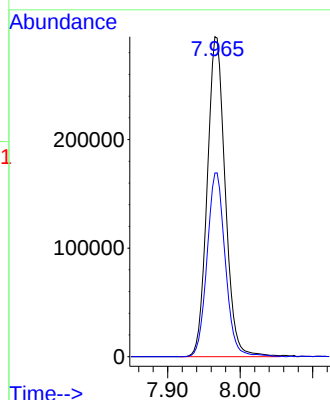
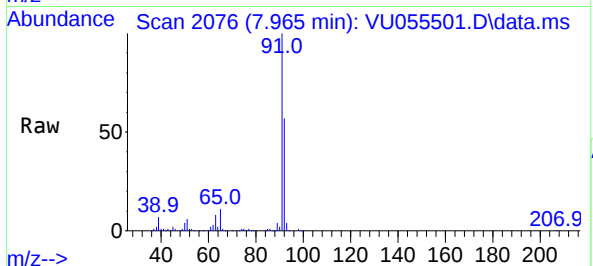
ClientSampleId :

Tgt Ion: 91 Resp: 508517

Ion Ratio Lower Upper

91 100

92 57.4 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.226 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU055501.D

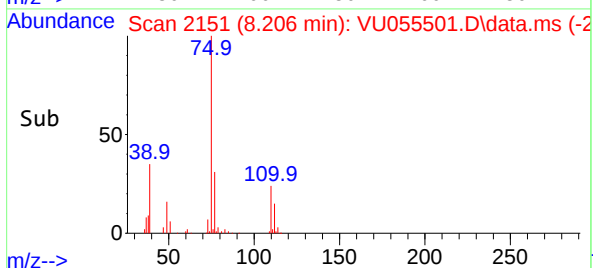
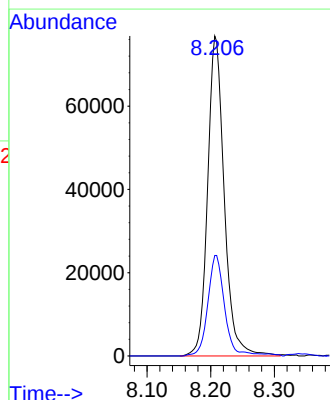
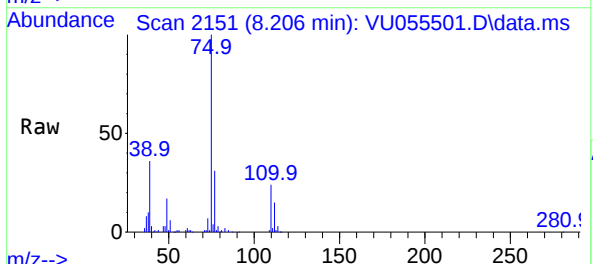
Acq: 25 Sep 2023 17:36

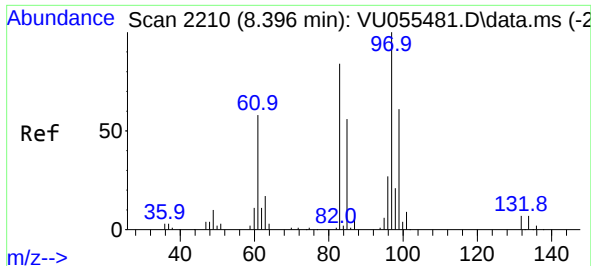
Tgt Ion: 75 Resp: 139178

Ion Ratio Lower Upper

75 100

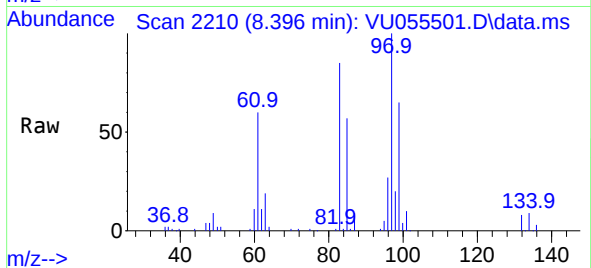
77 31.4 21.8 40.4





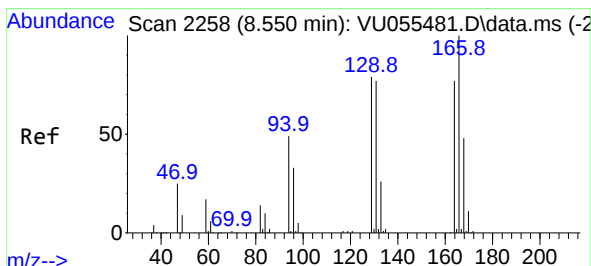
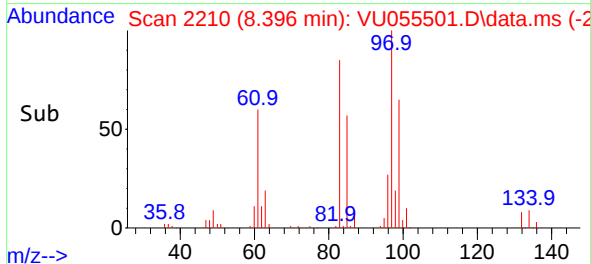
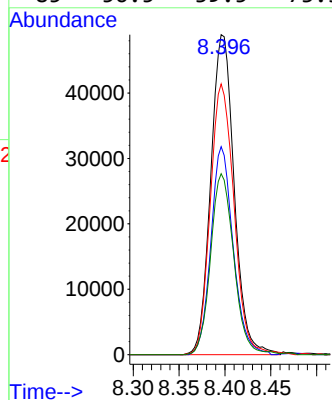
#45
1,1,2-Trichloroethane
Concen: 4.984 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 97 Resp: 87149

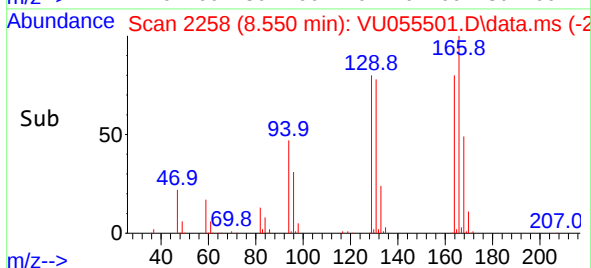
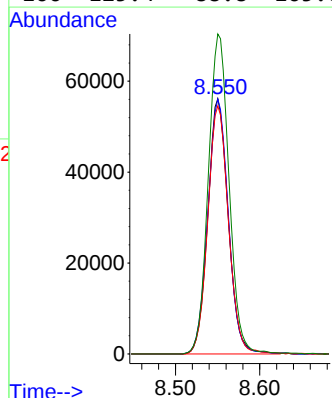
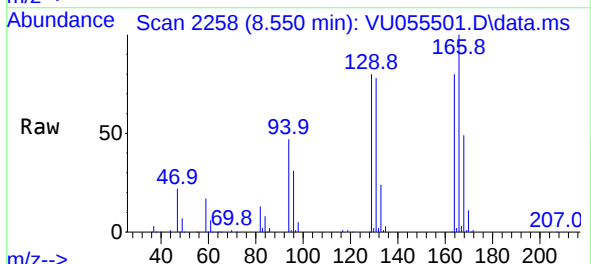
Ion	Ratio	Lower	Upper
97	100		
99	65.0	44.1	81.9
83	84.6	61.5	114.1
85	56.5	39.5	73.3

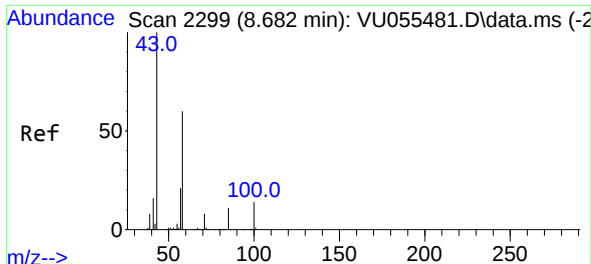


#47
Tetrachloroethene
Concen: 4.885 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 164 Resp: 94511

Ion	Ratio	Lower	Upper
164	100		
129	99.8	67.4	125.2
131	97.2	66.4	123.2
166	125.4	88.8	165.0



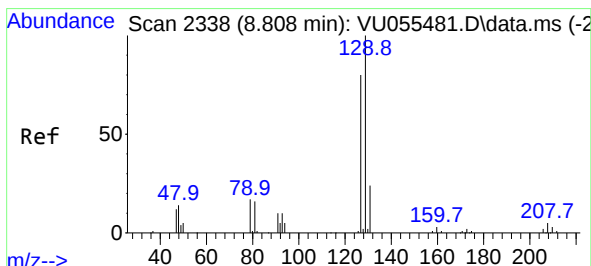
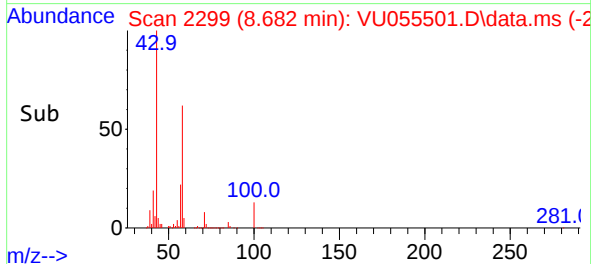
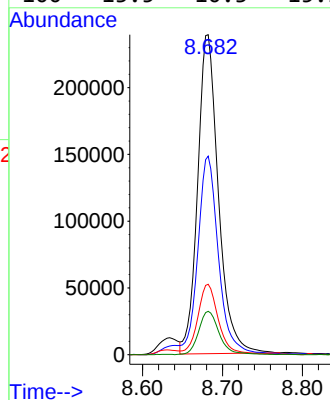
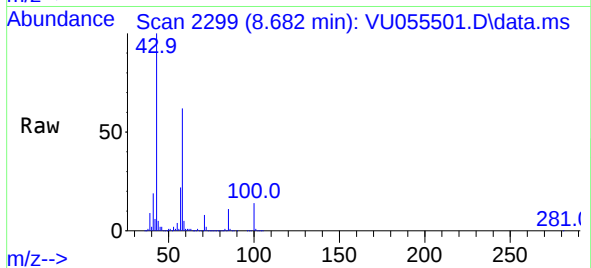


#48
2-Hexanone
Concen: 49.382 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 432945

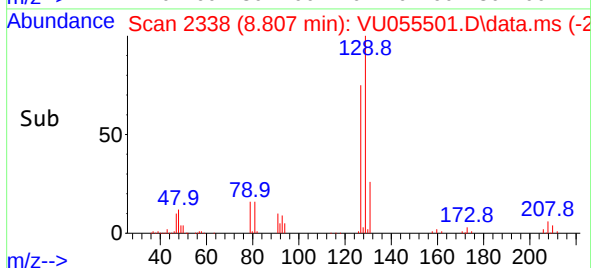
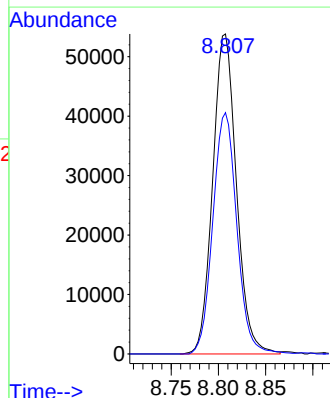
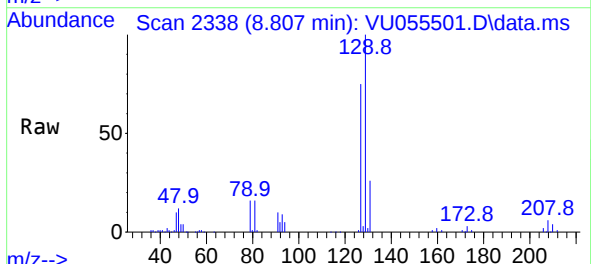
Ion	Ratio	Lower	Upper
43	100		
58	64.5	48.5	72.7
57	21.9	17.0	25.4
100	13.5	10.3	15.5

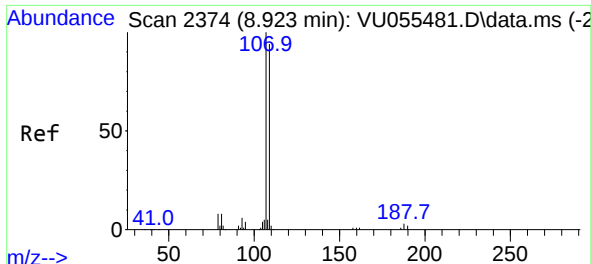


#49
Dibromochloromethane
Concen: 5.129 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 129 Resp: 94006

Ion	Ratio	Lower	Upper
129	100		
127	75.4	56.8	105.6

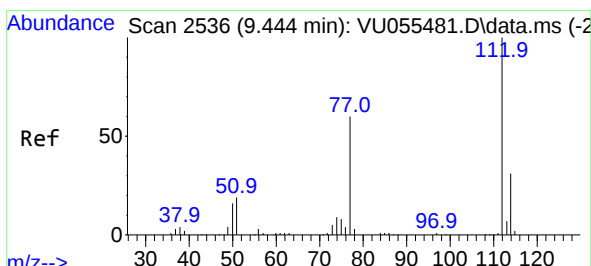
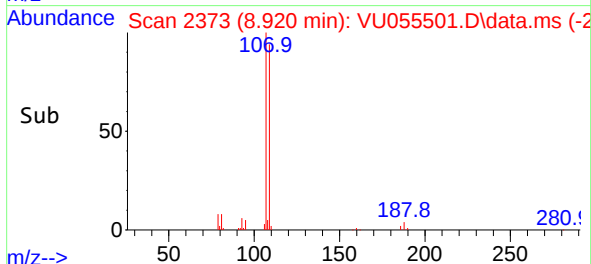
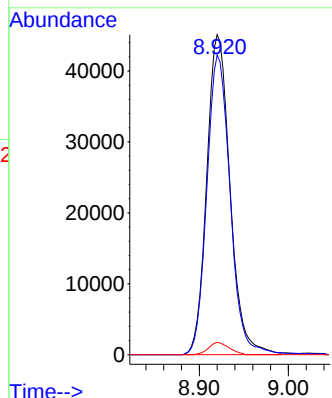
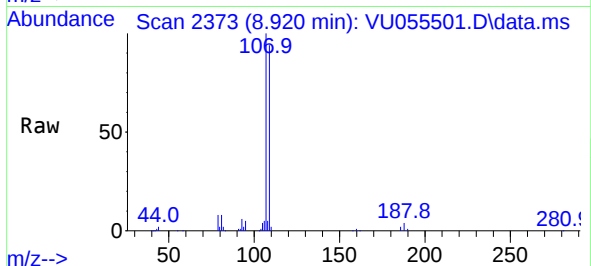




#50
1,2-Dibromoethane
Concen: 5.063 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

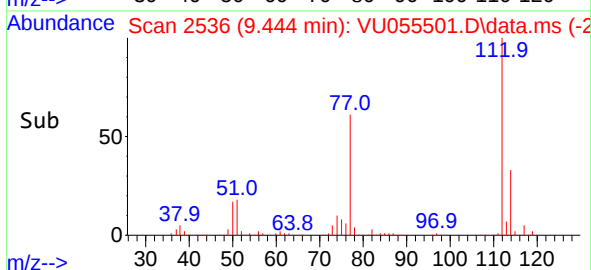
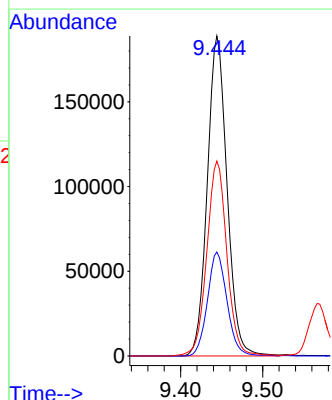
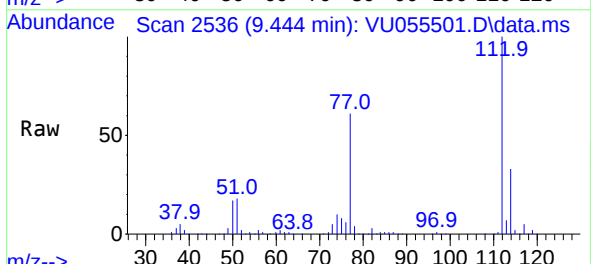
Instrument :
MSVOA_U
ClientSampleId :

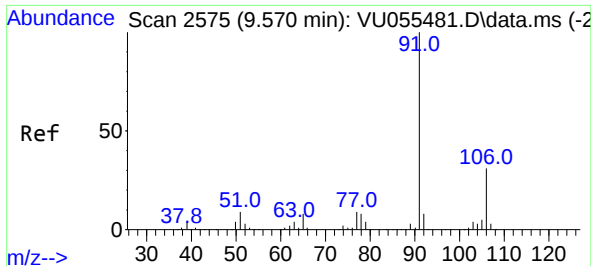
Tgt Ion:107 Resp: 82161
Ion Ratio Lower Upper
107 100
109 93.6 66.1 122.8
188 3.9 3.2 4.8



#51
Chlorobenzene
Concen: 4.859 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion:112 Resp: 316549
Ion Ratio Lower Upper
112 100
114 32.5 22.0 40.8
77 60.9 46.9 70.3

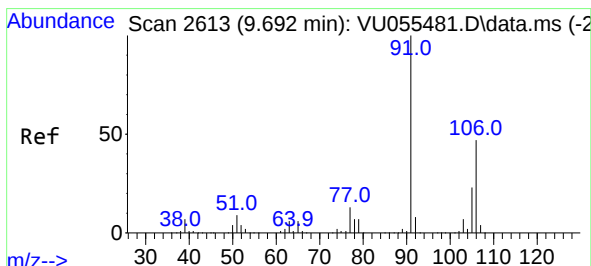
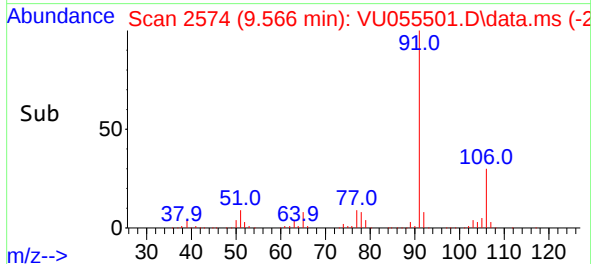
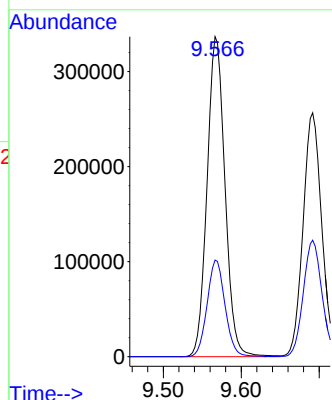
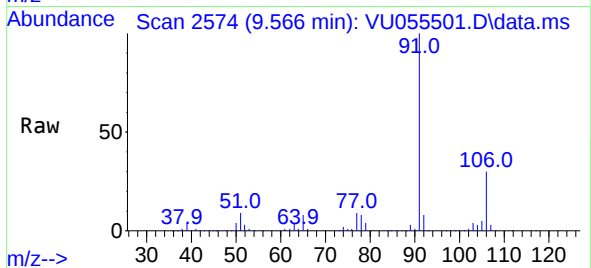




#52
Ethylbenzene
Concen: 4.941 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

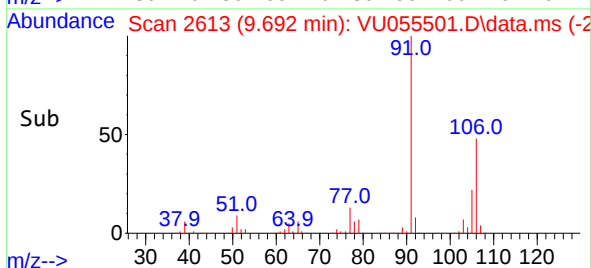
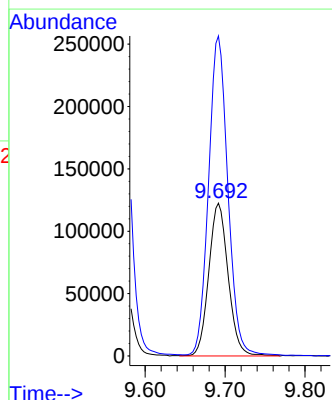
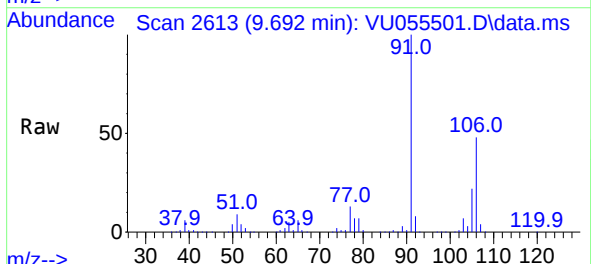
Instrument :
MSVOA_U
ClientSampleId :

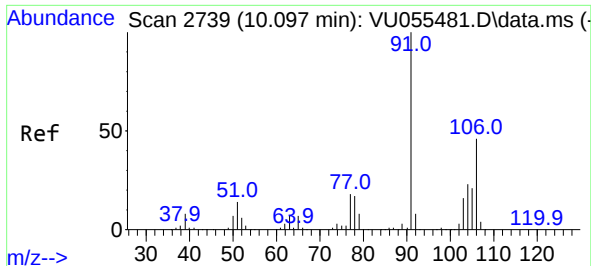
Tgt Ion: 91 Resp: 538734
Ion Ratio Lower Upper
91 100
106 30.2 22.4 41.6



#53
m,p-Xylene
Concen: 5.056 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion: 106 Resp: 206586
Ion Ratio Lower Upper
106 100
91 209.4 144.8 269.0

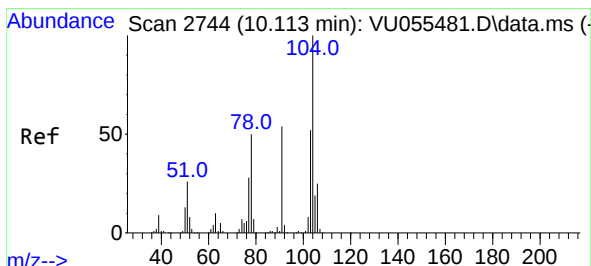
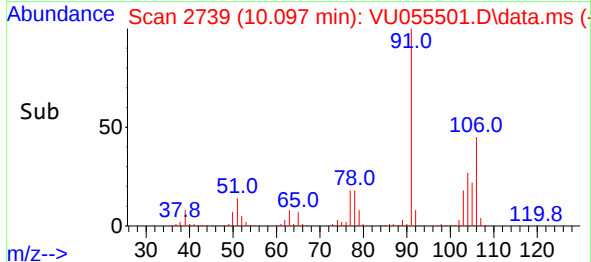
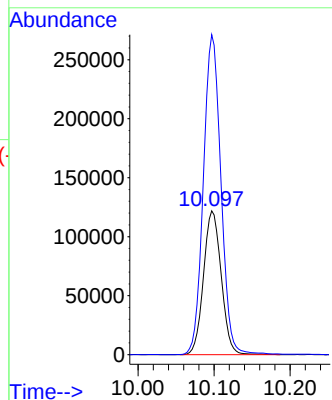
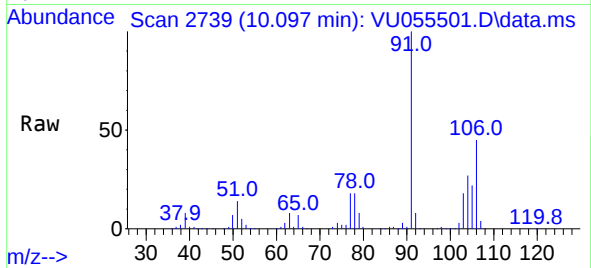




#54
o-Xylene
Concen: 4.970 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

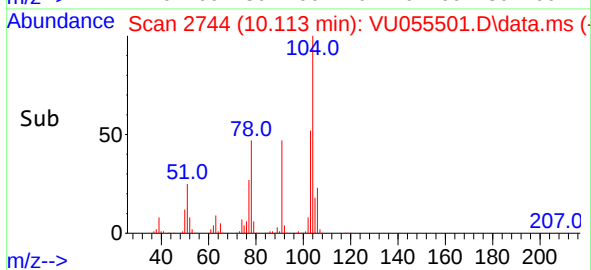
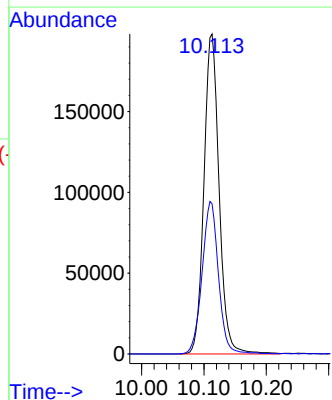
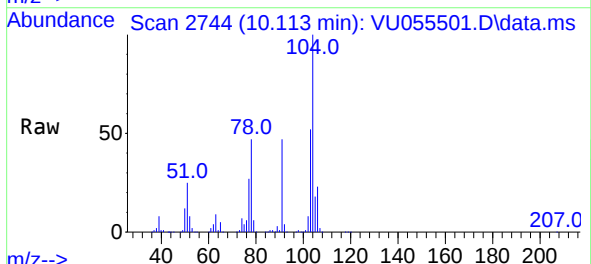
Instrument :
MSVOA_U
ClientSampleId :

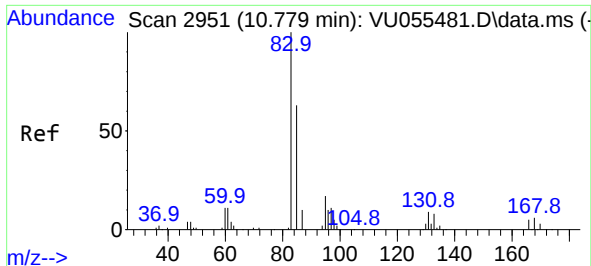
Tgt Ion:106 Resp: 197461
Ion Ratio Lower Upper
106 100
91 222.4 157.6 292.8



#55
Styrene
Concen: 5.213 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion:104 Resp: 334905
Ion Ratio Lower Upper
104 100
78 47.0 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.104 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055501.D

Acq: 25 Sep 2023 17:36

Instrument :

MSVOA_U

ClientSampleId :

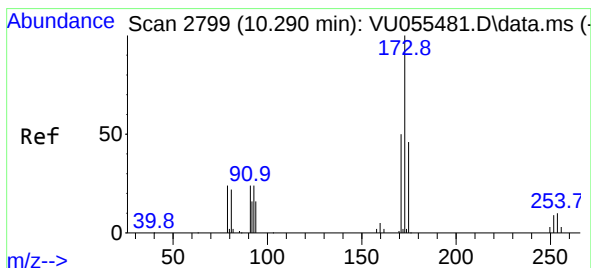
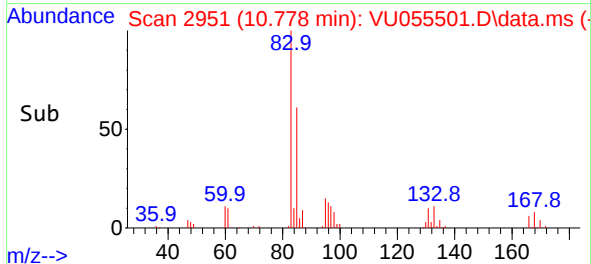
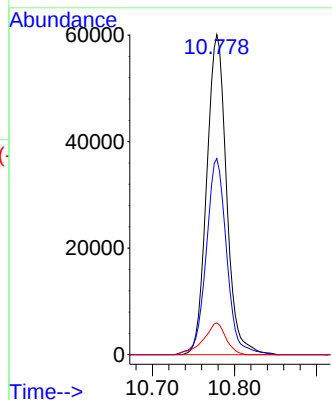
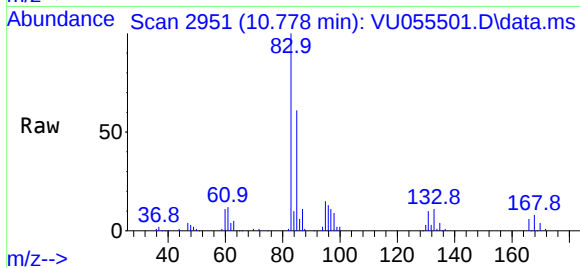
Tgt Ion: 83 Resp: 100746

Ion Ratio Lower Upper

83 100

85 61.3 44.4 82.5

131 10.0 7.4 11.2



#59

Bromoform

Concen: 5.070 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.003 min

Lab File: VU055501.D

Acq: 25 Sep 2023 17:36

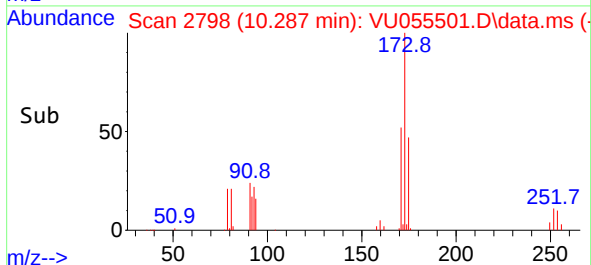
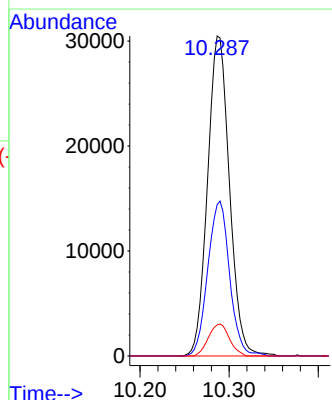
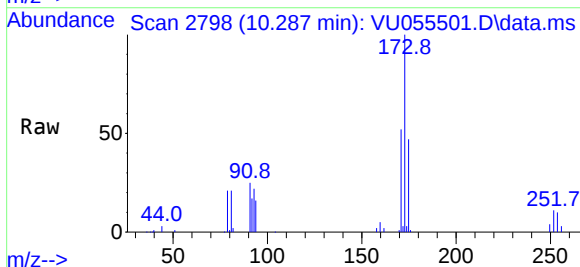
Tgt Ion:173 Resp: 52051

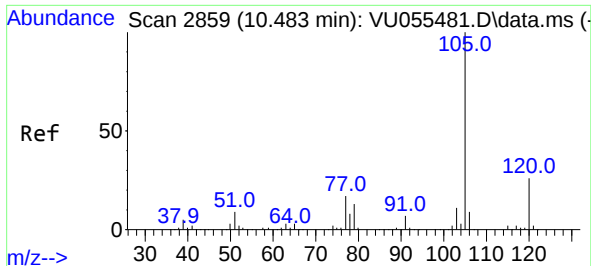
Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.2

254 9.5 7.3 10.9

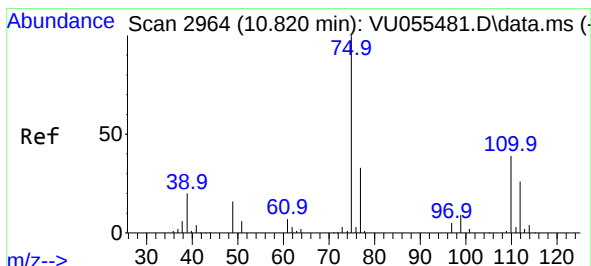
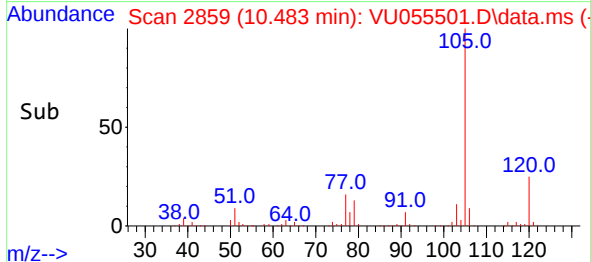
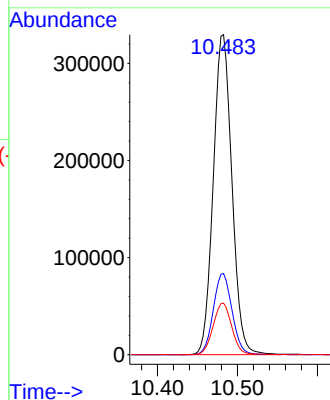
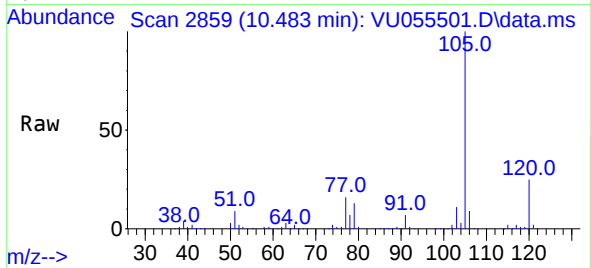




#60
Isopropylbenzene
Concen: 4.824 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

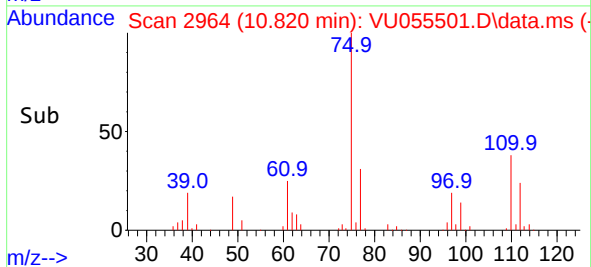
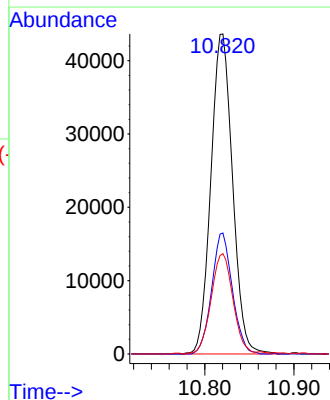
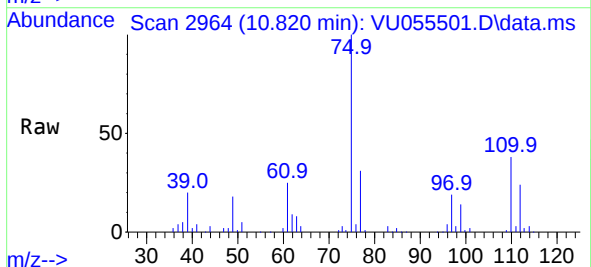
Instrument :
MSVOA_U
ClientSampleId :

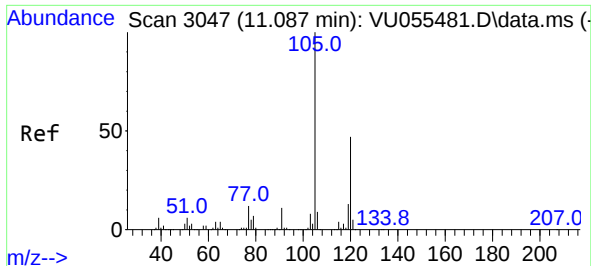
Tgt Ion:105 Resp: 532460
Ion Ratio Lower Upper
105 100
120 25.5 20.8 31.2
77 16.2 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.922 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

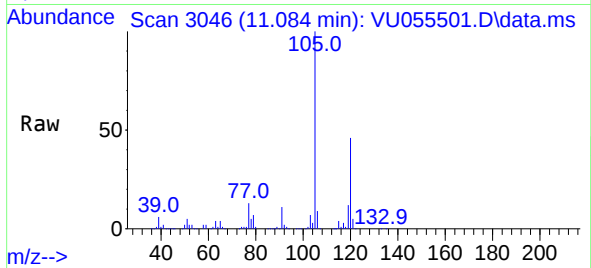
Tgt Ion: 75 Resp: 73593
Ion Ratio Lower Upper
75 100
110 36.0 30.6 45.8
77 31.6 26.7 40.1



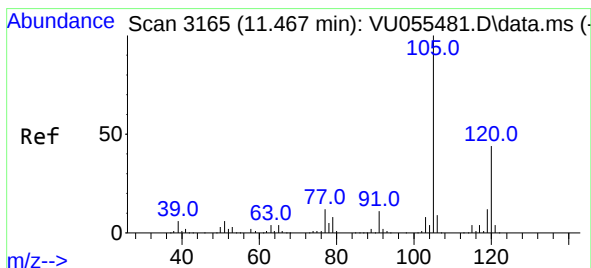
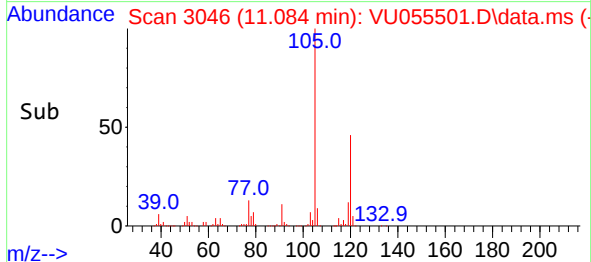
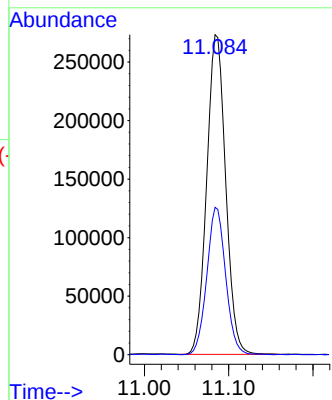


#62
1,3,5-Trimethylbenzene
Concen: 4.854 ug/L
RT: 11.084 min Scan# 3047
Delta R.T. -0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Instrument :
MSVOA_U
ClientSampleId :

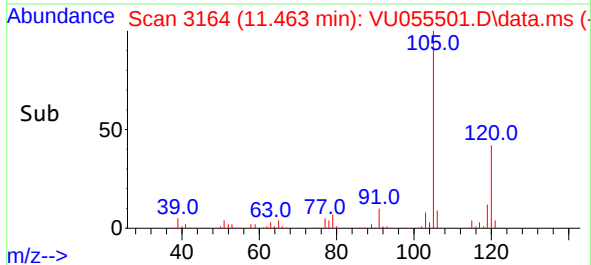
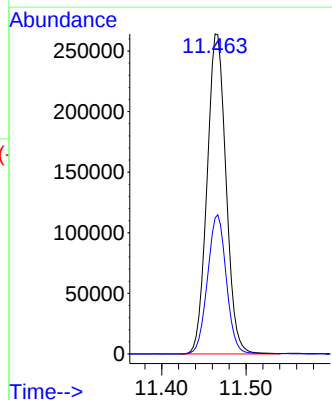
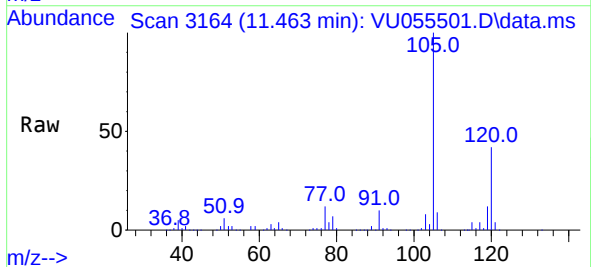


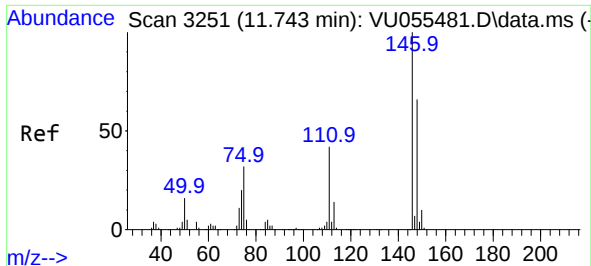
Tgt Ion:105 Resp: 428486
Ion Ratio Lower Upper
105 100
120 45.7 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 4.792 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

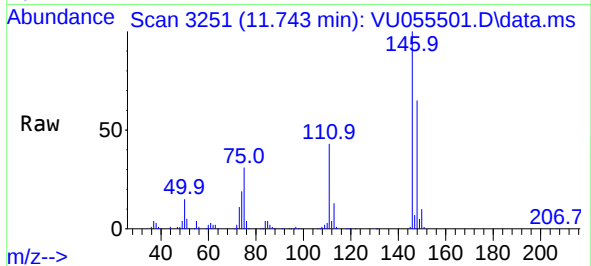
Tgt Ion:105 Resp: 414086
Ion Ratio Lower Upper
105 100
120 43.1 34.9 52.3



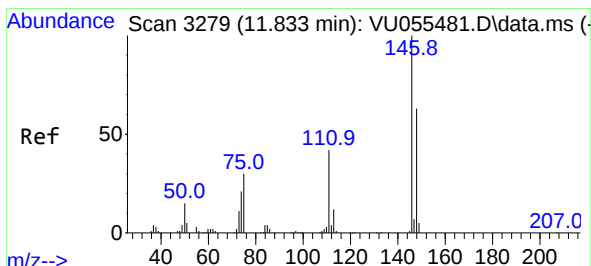
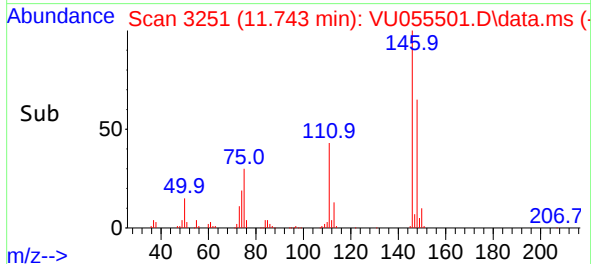
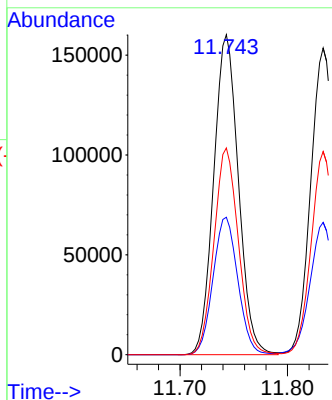


#64
1,3-Dichlorobenzene
Concen: 4.852 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Instrument :
MSVOA_U
ClientSampleId :

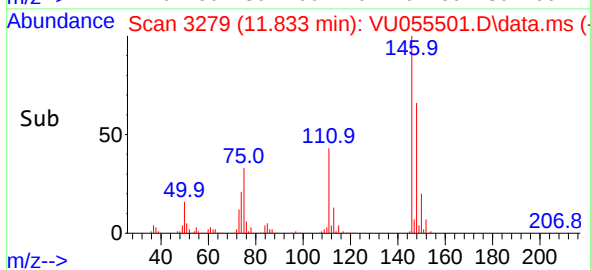
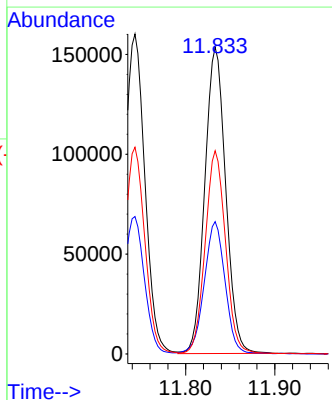
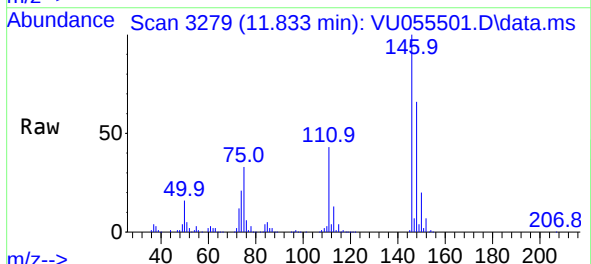


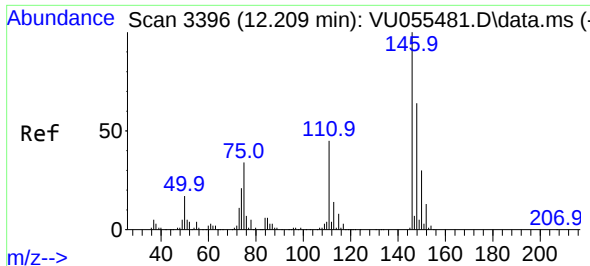
Tgt Ion:146 Resp: 256437
Ion Ratio Lower Upper
146 100
111 43.0 28.8 53.6
148 64.6 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 4.724 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Tgt Ion:146 Resp: 249529
Ion Ratio Lower Upper
146 100
111 43.1 29.0 53.8
148 66.3 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 4.808 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055501.D

Acq: 25 Sep 2023 17:36

Instrument :

MSVOA_U

ClientSampleId :

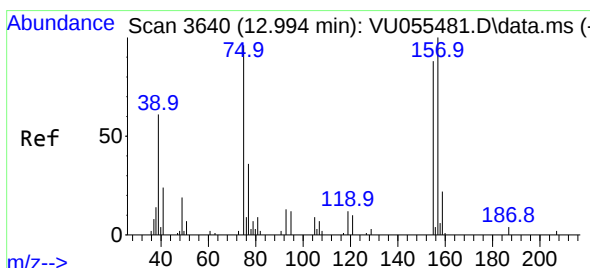
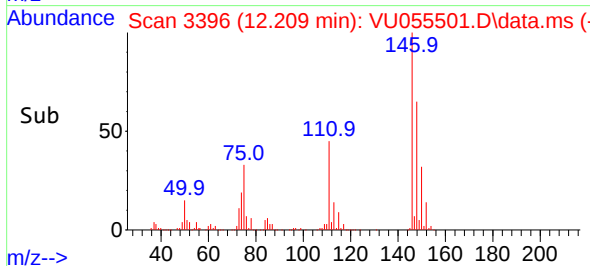
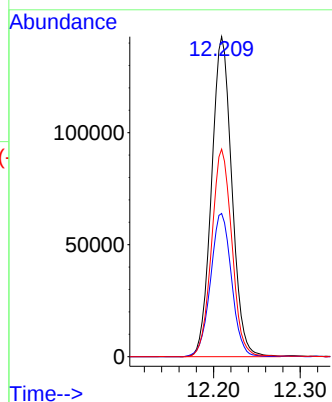
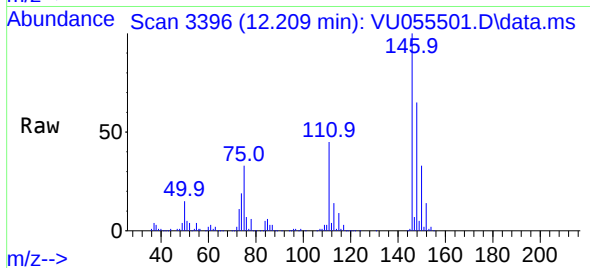
Tgt Ion:146 Resp: 232945

Ion Ratio Lower Upper

146 100

111 44.8 34.6 52.0

148 64.8 51.8 77.8



#68

1,2-Dibromo-3-chloropropane

Concen: 4.929 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055501.D

Acq: 25 Sep 2023 17:36

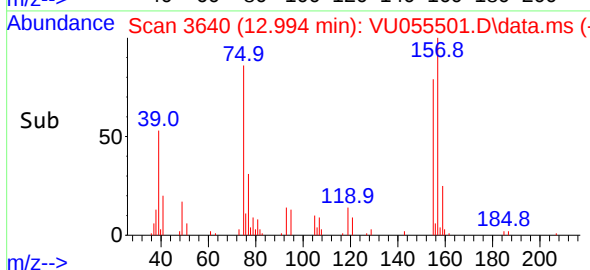
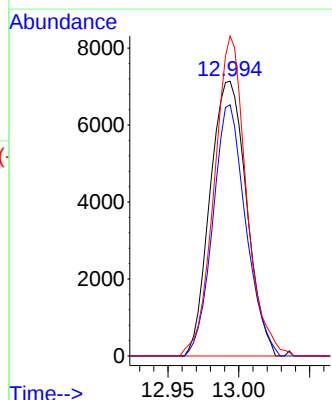
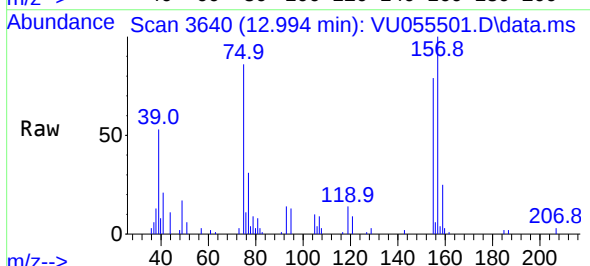
Tgt Ion: 75 Resp: 12774

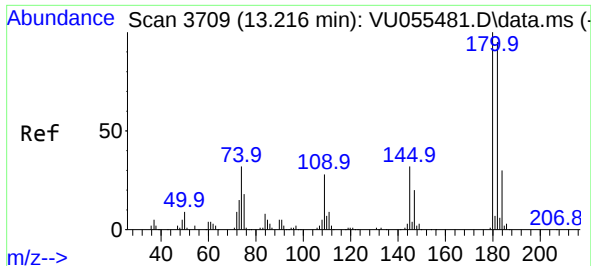
Ion Ratio Lower Upper

75 100

155 91.4 69.2 103.8

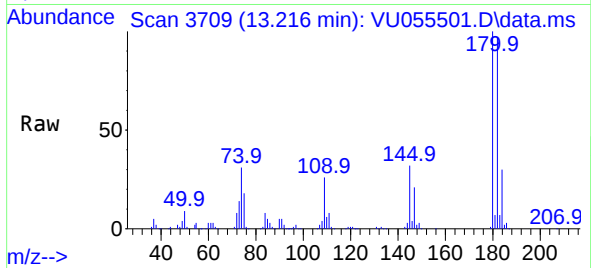
157 116.5 81.9 122.9



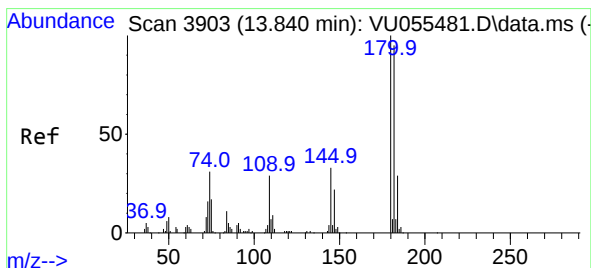
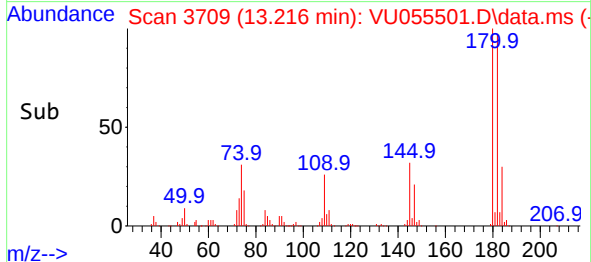
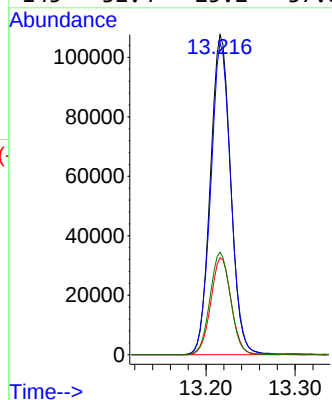


#69
1,3,5-Trichlorobenzene
Concen: 4.664 ug/L
RT: 13.216 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

Instrument :
MSVOA_U
ClientSampleId :

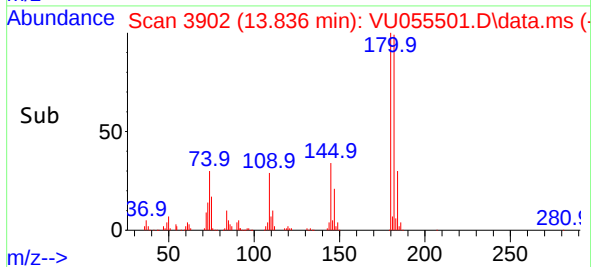
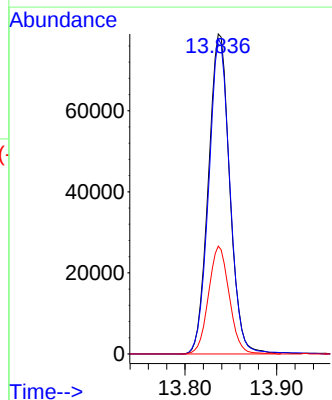
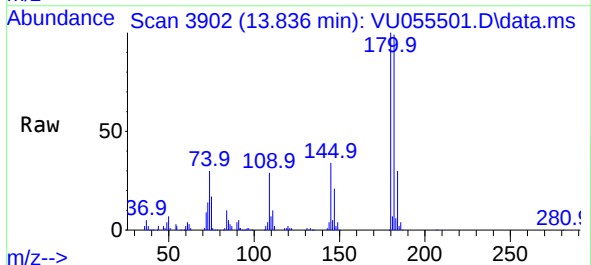


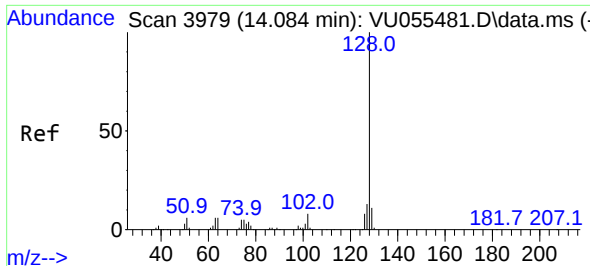
Tgt Ion:180 Resp: 169739
Ion Ratio Lower Upper
180 100
182 96.8 77.1 115.7
184 30.5 24.0 36.0
145 32.4 25.2 37.8



#70
1,2,4-trichlorobenzene
Concen: 4.590 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. -0.003 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

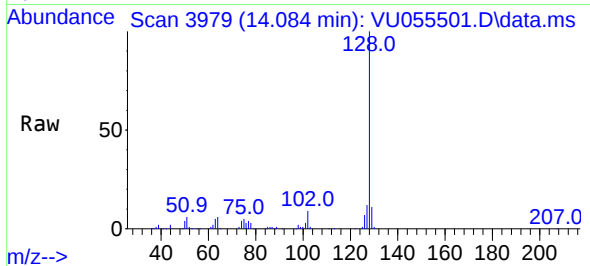
Tgt Ion:180 Resp: 127362
Ion Ratio Lower Upper
180 100
182 97.7 76.4 114.6
145 32.8 25.4 38.0



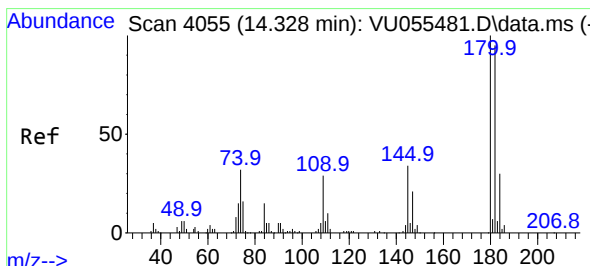
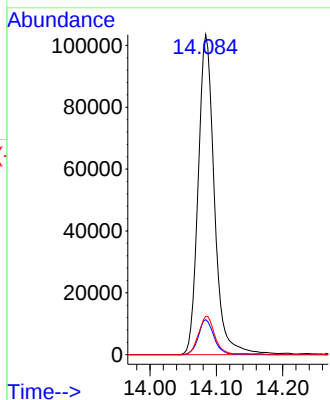
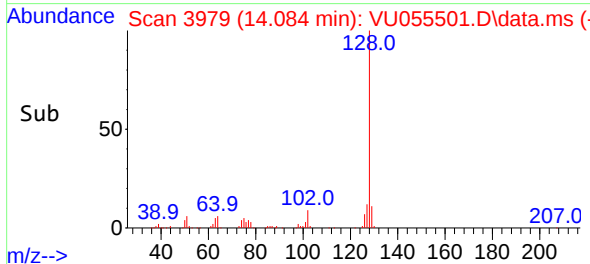


#71
Naphthalene
Concen: 4.369 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36

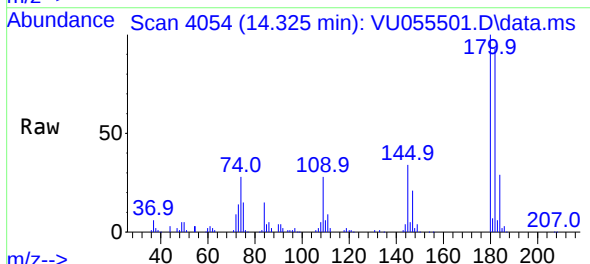
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 175484
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 12.0 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.676 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU055501.D
Acq: 25 Sep 2023 17:36



Tgt Ion:180 Resp: 112896
Ion Ratio Lower Upper
180 100
182 93.8 76.2 114.4
145 34.3 26.0 39.0

