

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057134.D
 Acq On : 21 Dec 2023 14:04
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:23:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:17:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	184480	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	176652	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	88804	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	90003	5.104	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 102.000%		
7) Chloroethane-d5	1.914	69	75564	5.206	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 104.200%		
11) 1,1-Dichloroethene-d2	2.560	65	39456	5.165	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 103.200%		
20) 2-Butanone-d5	4.628	46	150315	54.295	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 108.600%		
24) Chloroform-d	5.055	84	173771	5.103	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 102.000%		
26) 1,2-Dichloroethane-d4	5.695	65	81522	5.023	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 100.400%		
32) Benzene-d6	5.721	84	320901	5.296	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 106.000%		
36) 1,2-Dichloropropane-d6	6.686	67	88277	5.120	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 102.400%		
41) Toluene-d8	7.894	98	293526	5.306	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 106.200%		
43) trans-1,3-Dichloroprop...	8.177	79	37642	5.245	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 104.800%		
46) 2-Hexanone-d5	8.637	63	141883	58.060	ug/L	0.01
Spiked Amount	50.000	Range 45 - 130	Recovery	= 116.120%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	68790	5.607	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 112.200%		
66) 1,2-Dichlorobenzene-d4	12.190	152	99489	5.206	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 104.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.384	85	85183	4.938	ug/L	99
3) Chloromethane	1.519	50	75474	4.992	ug/L	98
5) Vinyl chloride	1.602	62	84254	5.224	ug/L	99
6) Bromomethane	1.856	94	38860	5.510	ug/L	96
8) Chloroethane	1.933	64	50736	4.955	ug/L	99
9) Trichlorofluoromethane	2.133	101	144748	4.885	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	77198	5.032	ug/L	97
12) 1,1-Dichloroethene	2.573	96	66913	4.851	ug/L	93
13) Acetone	2.641	43	89146	53.557	ug/L	97
14) Carbon disulfide	2.789	76	193945	4.469	ug/L	99
15) Methyl Acetate	2.949	43	21783	5.549	ug/L	94
16) Methylene chloride	3.039	84	85726	5.347	ug/L	95
17) Methyl tert-butyl Ether	3.358	73	153589	5.244	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	67957	5.053	ug/L	98
19) 1,1-Dichloroethane	3.862	63	131790	4.938	ug/L	98
21) 2-Butanone	4.708	43	129789	51.163	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	76088	5.137	ug/L	97
23) Bromochloromethane	4.969	128	31963	4.980	ug/L	98
25) Chloroform	5.081	83	147858	4.911	ug/L	99

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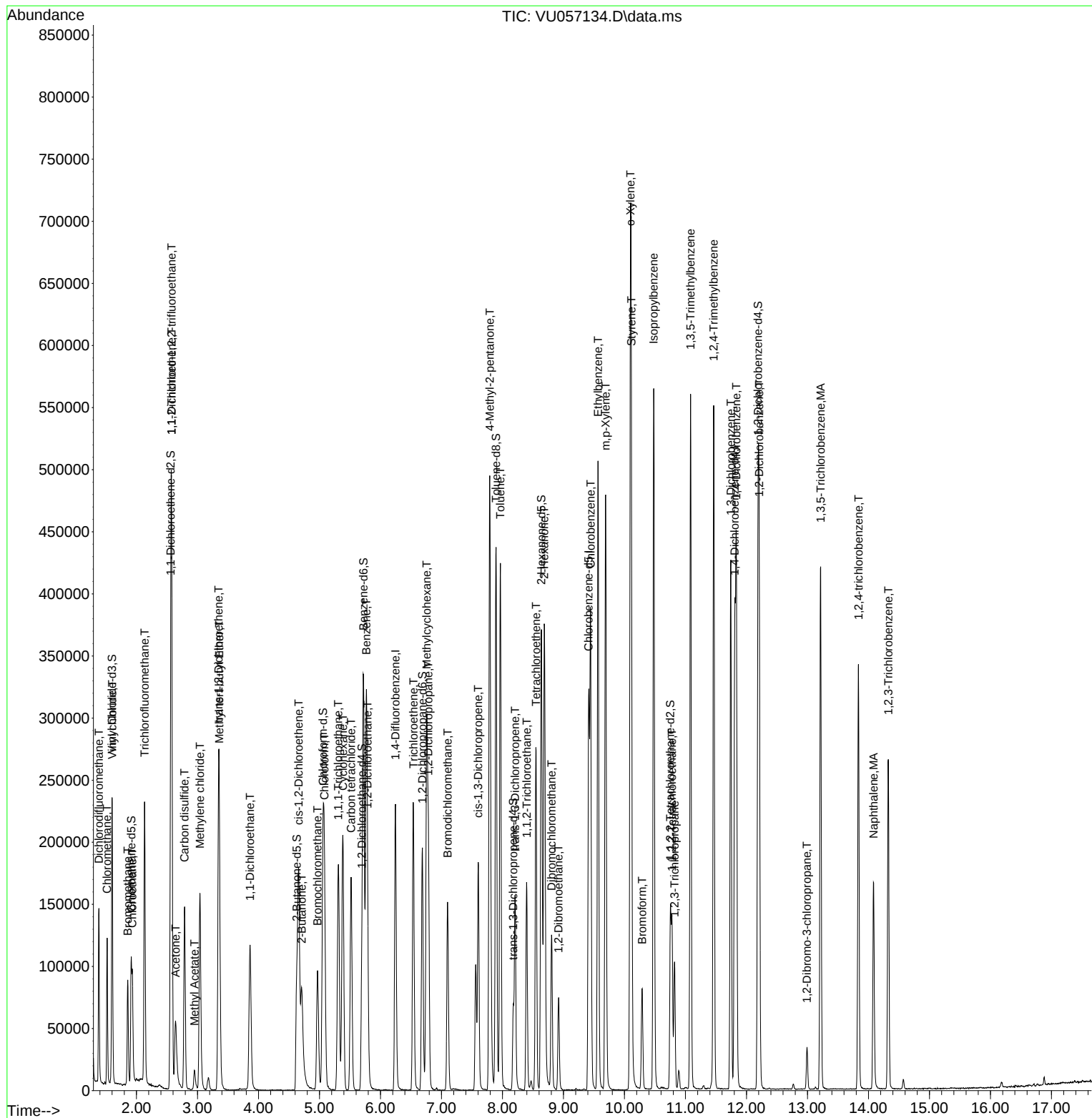
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	88000	4.954	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	138185	4.922	ug/L	99
30) Cyclohexane	5.383	56	102110	5.380	ug/L	97
31) Carbon tetrachloride	5.518	117	119749	4.849	ug/L	97
33) Benzene	5.766	78	285150	5.092	ug/L	100
34) Trichloroethene	6.541	95	81349	4.967	ug/L	97
35) Methylcyclohexane	6.759	83	115673	5.365	ug/L	98
37) 1,2-Dichloropropane	6.785	63	72624	5.213	ug/L	99
38) Bromodichloromethane	7.100	83	102478	5.085	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	111947	5.342	ug/L	97
40) 4-Methyl-2-pentanone	7.792	43	336508	55.569	ug/L	98
42) Toluene	7.965	91	311557	5.249	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	93192	5.211	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	50842	5.290	ug/L	97
47) Tetrachloroethene	8.550	164	58252	4.964	ug/L	98
48) 2-Hexanone	8.685	43	248119	55.689	ug/L	98
49) Dibromochloromethane	8.804	129	62633	5.027	ug/L	100
50) 1,2-Dibromoethane	8.920	107	46777	5.184	ug/L	99
51) Chlorobenzene	9.444	112	203401	5.266	ug/L	96
52) Ethylbenzene	9.566	91	354863	5.306	ug/L	97
53) m,p-Xylene	9.692	106	134339	5.492	ug/L	96
54) o-Xylene	10.097	106	127195	5.389	ug/L	97
55) Styrene	10.113	104	220682	5.669	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	62633	5.405	ug/L	95
59) Bromoform	10.290	173	38768	5.689	ug/L	94
60) Isopropylbenzene	10.480	105	362562	5.537	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	44461	5.373	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	298305	5.560	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	303738	5.737	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	165101	5.335	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	163090	5.235	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	148304	5.358	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	9355	4.985	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	126234	5.483	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	97828	5.427	ug/L	99
71) Naphthalene	14.084	128	137625	6.035	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	79207	5.633	ug/L	98

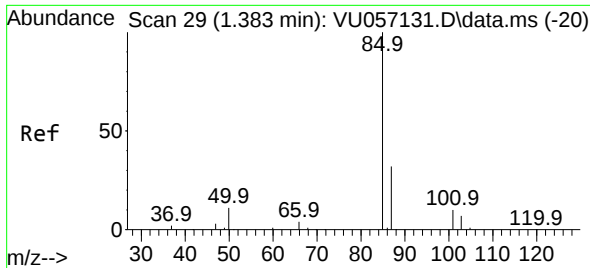
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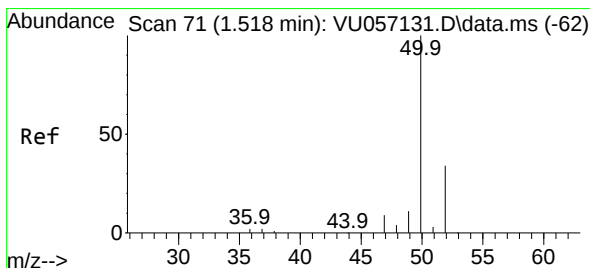
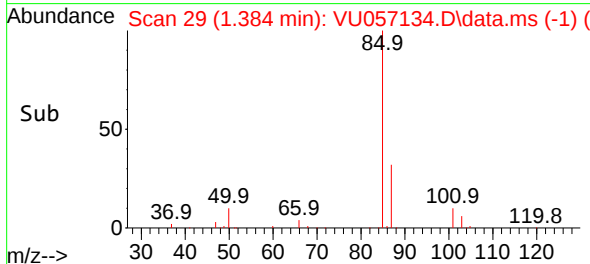
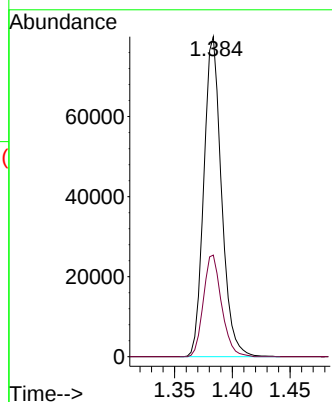
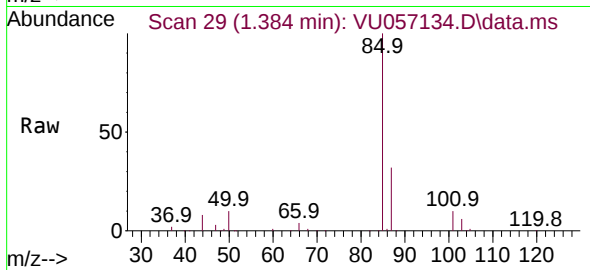




#2
 Dichlorodifluoromethane
 Concen: 4.938 ug/L
 RT: 1.384 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04

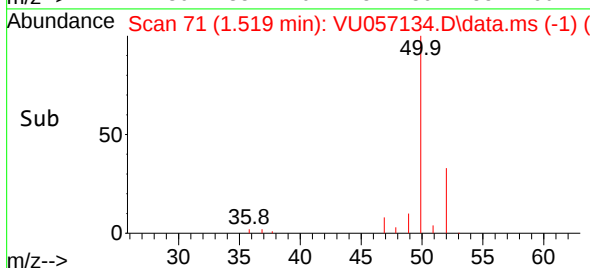
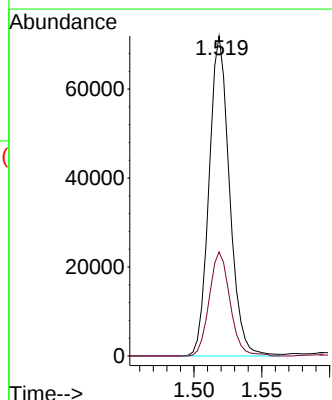
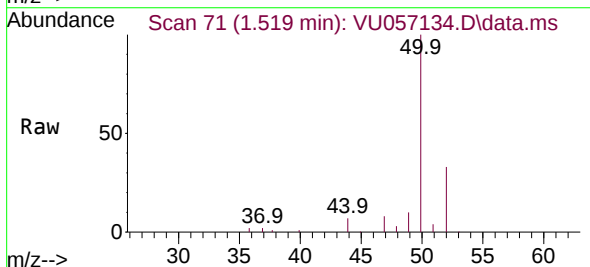
Instrument :
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 ClientSampleId :

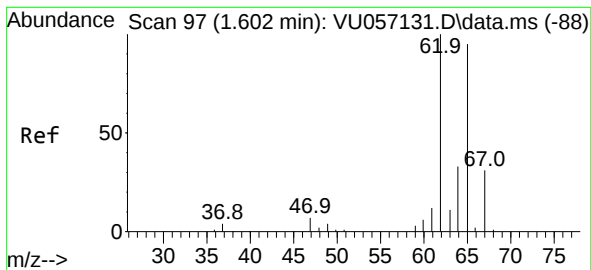
Tgt Ion: 85 Resp: 85183
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9



#3
 Chloromethane
 Concen: 4.992 ug/L
 RT: 1.519 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04

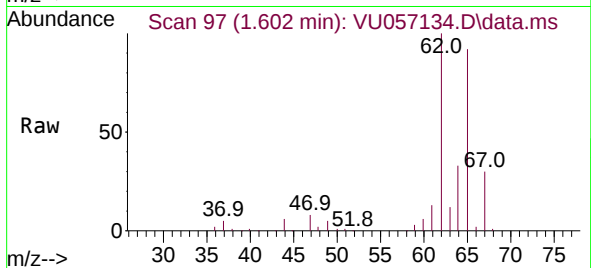
Tgt Ion: 50 Resp: 75474
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.7 44.1



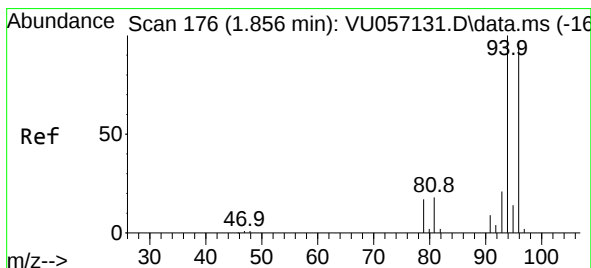
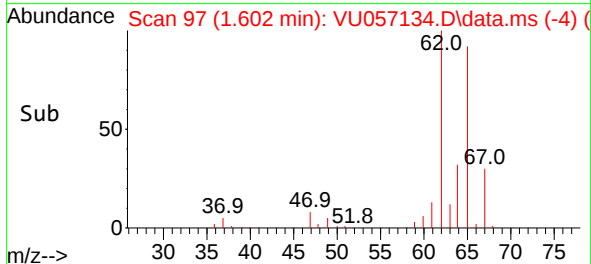
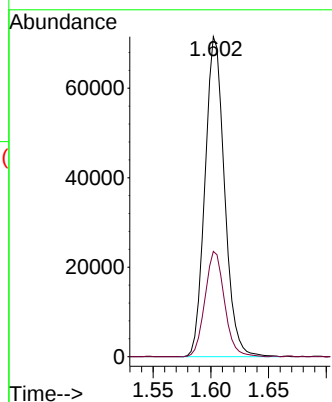


#5
 Vinyl chloride
 Concen: 5.224 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04

Instrument :
 MSVOA_U
 ClientSampleId :

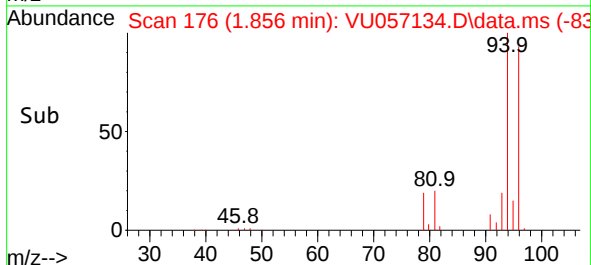
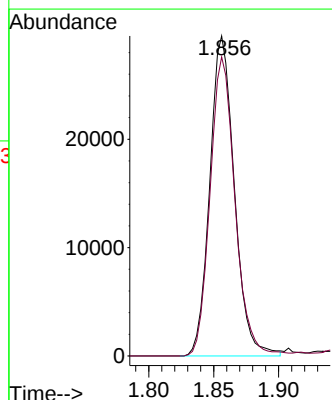
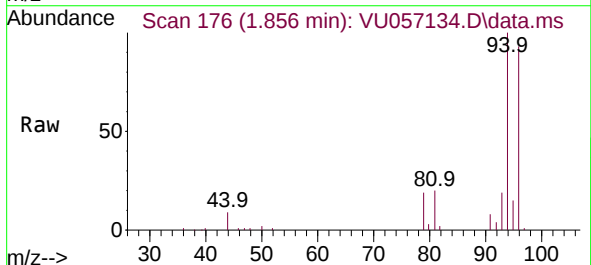


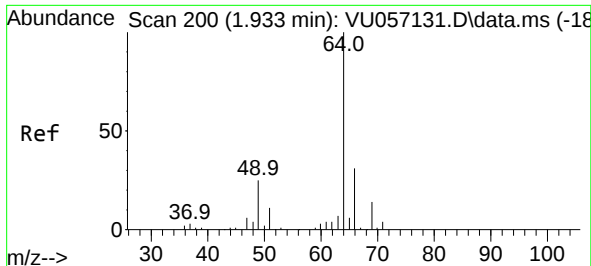
Tgt Ion: 62 Resp: 84254
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.3 43.3



#6
 Bromomethane
 Concen: 5.510 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04

Tgt Ion: 94 Resp: 38860
 Ion Ratio Lower Upper
 94 100
 96 93.5 68.2 126.6

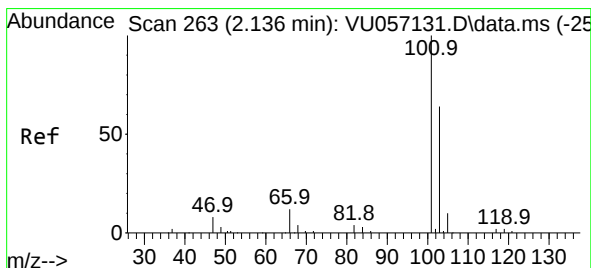
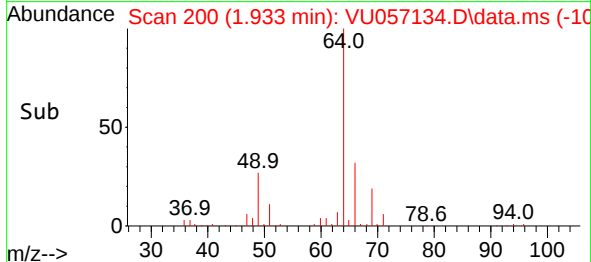
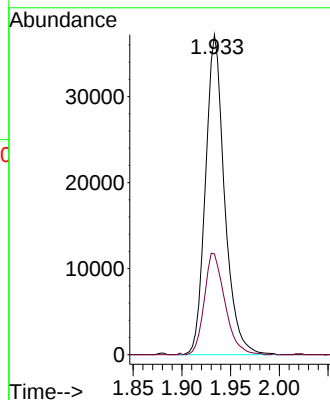
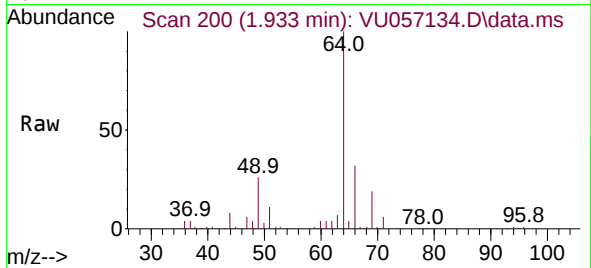




#8
Chloroethane
Concen: 4.955 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

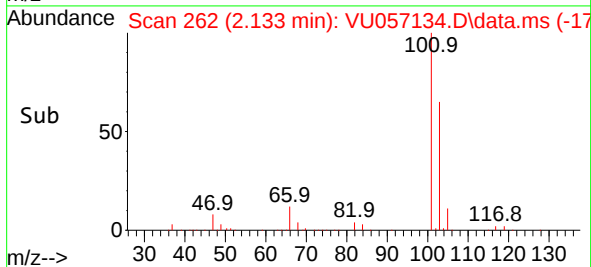
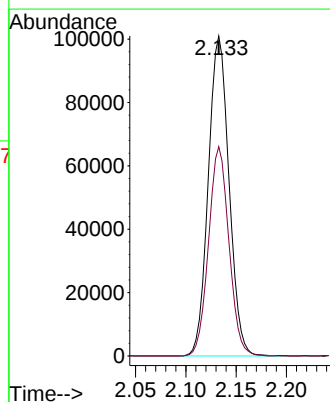
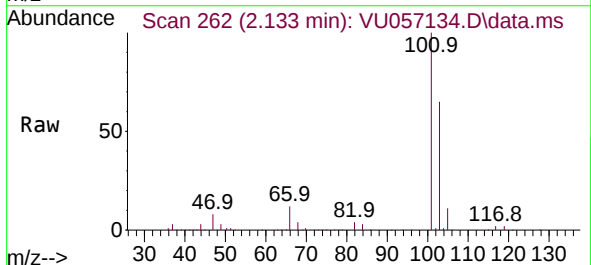
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MSVOA_U
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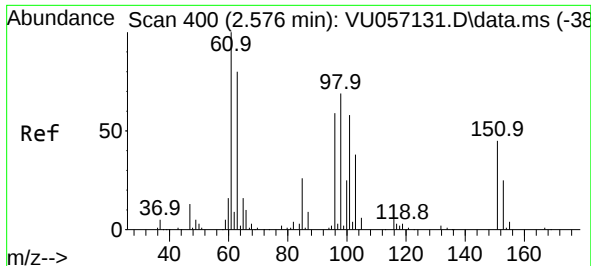
Tgt Ion: 64 Resp: 50736
Ion Ratio Lower Upper
64 100
66 31.5 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.885 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion:101 Resp: 144748
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1

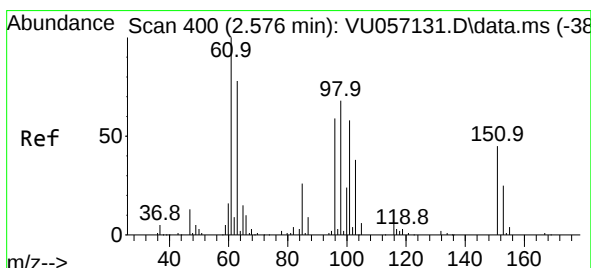
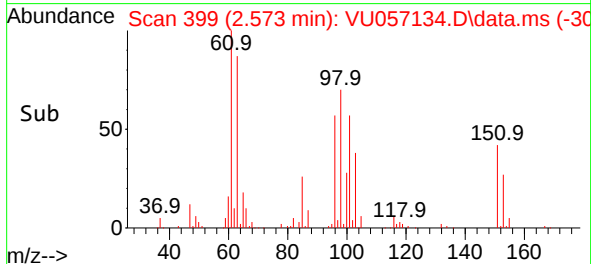
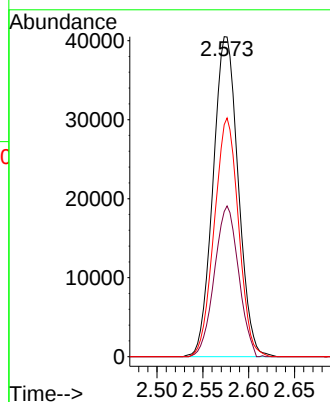
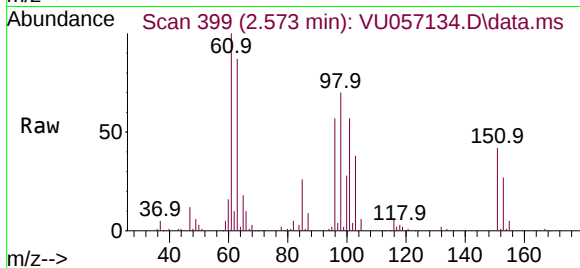




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.032 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04

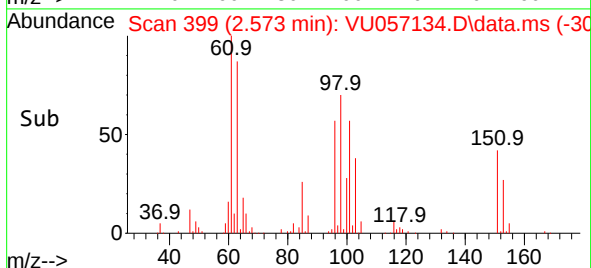
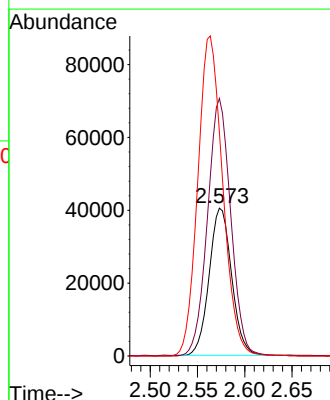
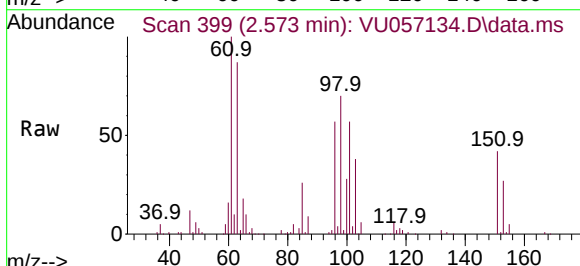
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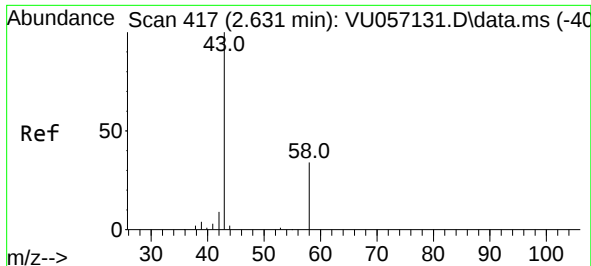
Tgt Ion:	101	Resp:	77198
Ion	Ratio	Lower	Upper
101	100		
85	45.2	35.6	53.4
151	72.0	59.9	89.9



#12
 1,1-Dichloroethene
 Concen: 4.851 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. -0.003 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04

Tgt Ion:	96	Resp:	66913
Ion	Ratio	Lower	Upper
96	100		
61	174.2	119.6	222.0
63	151.4	96.2	178.8





#13

Acetone

Concen: 53.557 ug/L

RT: 2.641 min Scan# 417

Delta R.T. 0.010 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

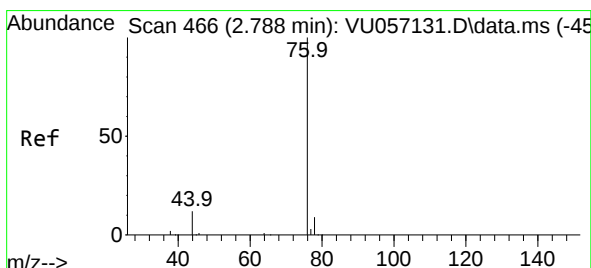
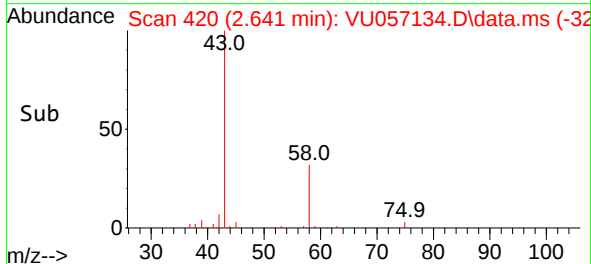
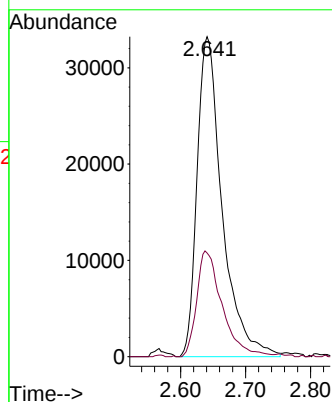
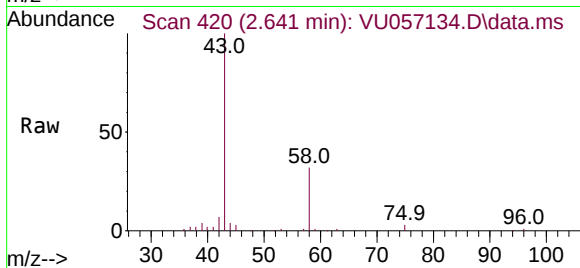
ClientSampleId :

Tgt Ion: 43 Resp: 89146

Ion Ratio Lower Upper

43 100

58 33.4 0.0 70.8



#14

Carbon disulfide

Concen: 4.469 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057134.D

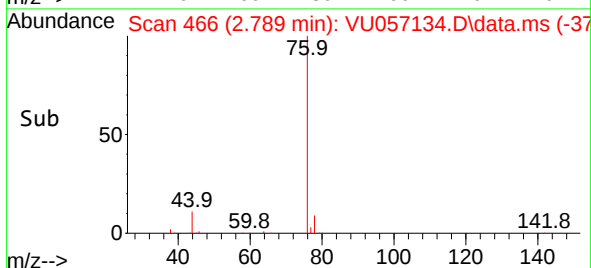
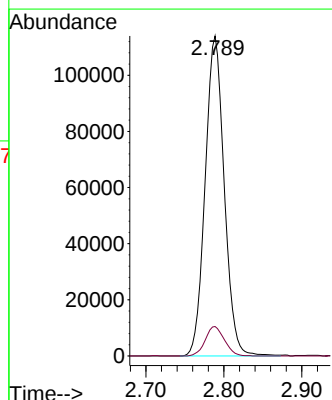
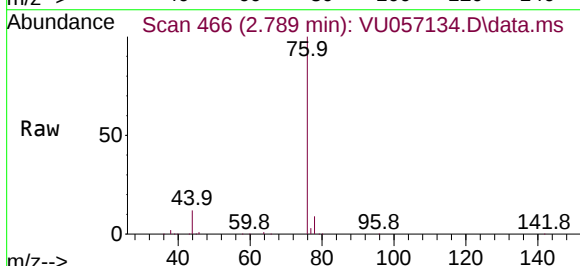
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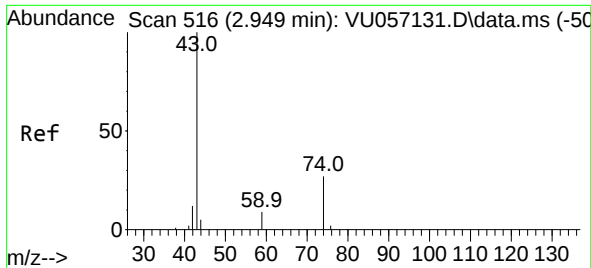
Tgt Ion: 76 Resp: 193945

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

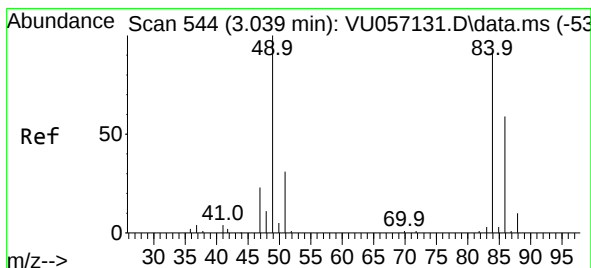
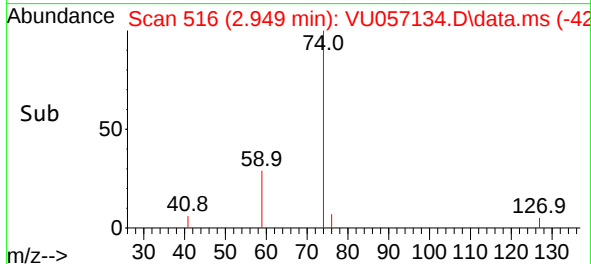
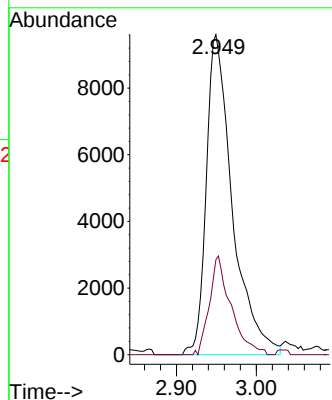
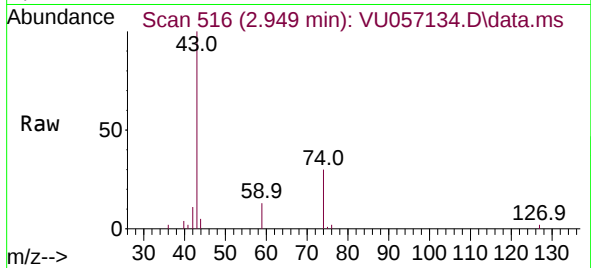




#15
Methyl Acetate
Concen: 5.549 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

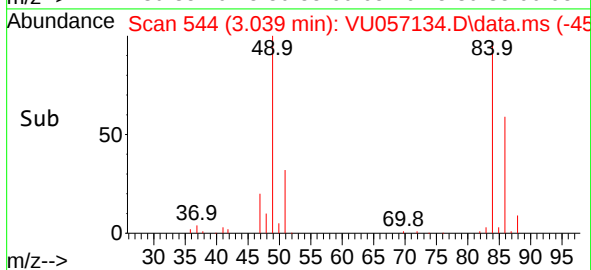
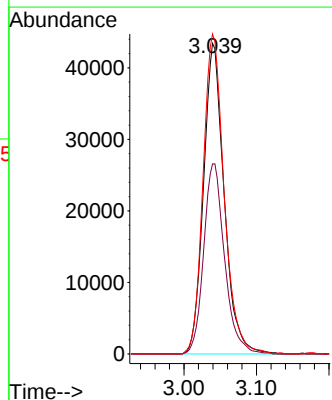
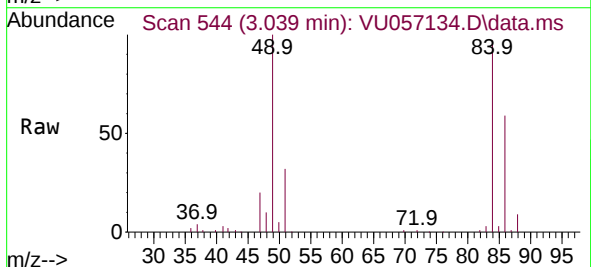
Instrument :
MSVOA_U
ClientSampleId :

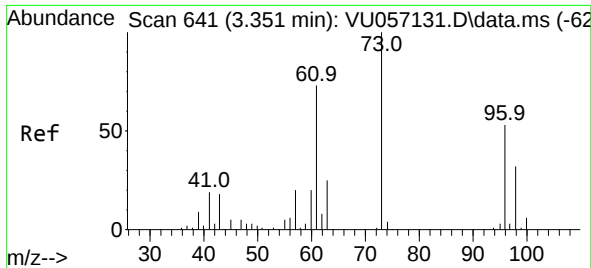
Tgt Ion: 43 Resp: 21783
Ion Ratio Lower Upper
43 100
74 25.5 22.8 34.2



#16
Methylene chloride
Concen: 5.347 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

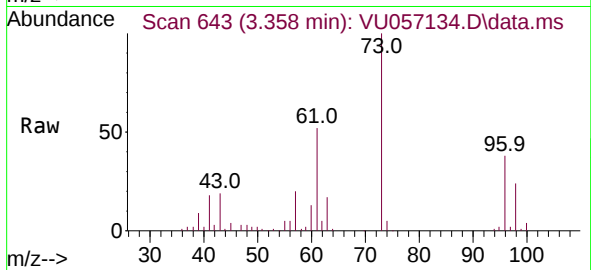
Tgt Ion: 84 Resp: 85726
Ion Ratio Lower Upper
84 100
86 61.2 44.7 82.9
49 103.1 76.0 141.2



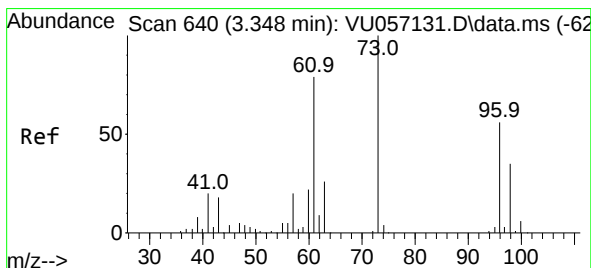
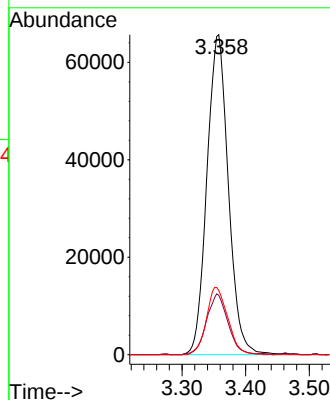
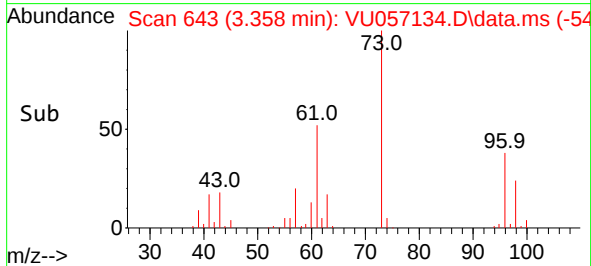


#17
Methyl tert-butyl Ether
Concen: 5.244 ug/L
RT: 3.358 min Scan# 641
Delta R.T. 0.007 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

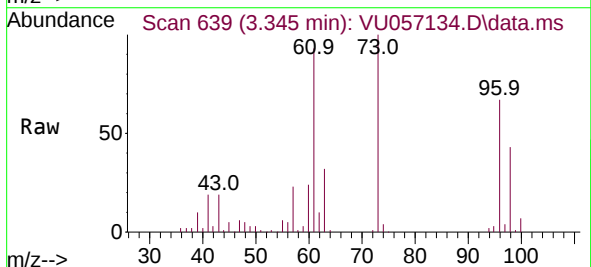
Instrument :
MSVOA_U
ClientSampleId :



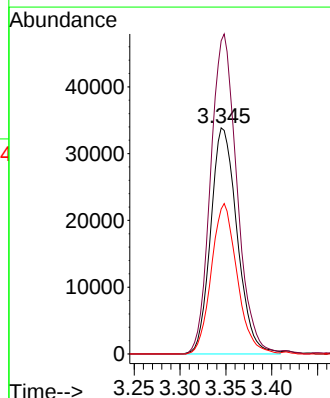
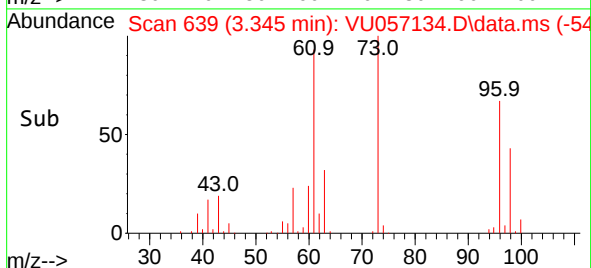
Tgt Ion: 73 Resp: 153589
Ion Ratio Lower Upper
73 100
43 19.0 15.4 23.0
57 20.9 16.2 24.2

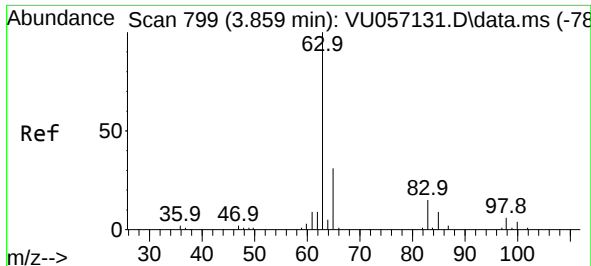


#18
trans-1,2-Dichloroethene
Concen: 5.053 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04



Tgt Ion: 96 Resp: 67957
Ion Ratio Lower Upper
96 100
61 138.5 98.4 182.8
98 64.1 43.6 81.0





#19

1,1-Dichloroethane

Concen: 4.938 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

ClientSampleId :

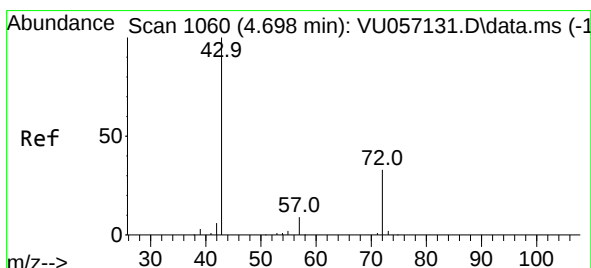
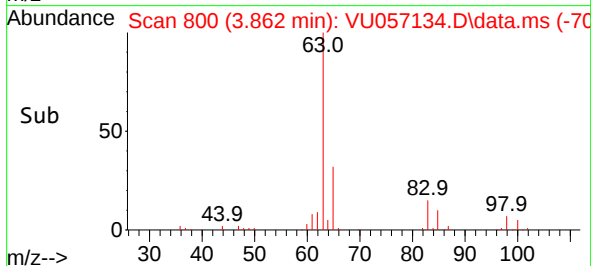
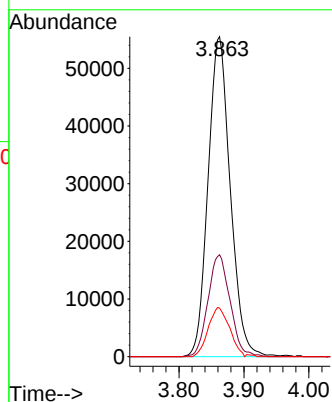
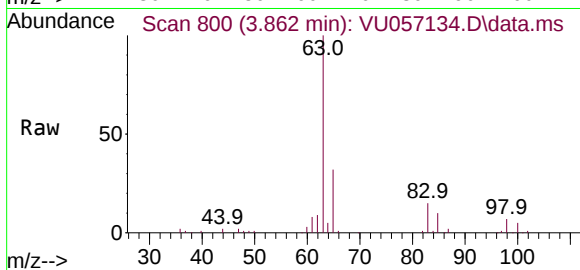
Tgt Ion: 63 Resp: 131790

Ion Ratio Lower Upper

63 100

65 31.8 21.6 40.2

83 15.2 10.2 19.0



#21

2-Butanone

Concen: 51.163 ug/L

RT: 4.708 min Scan# 1063

Delta R.T. 0.010 min

Lab File: VU057134.D

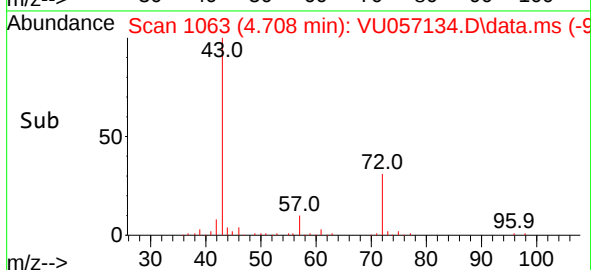
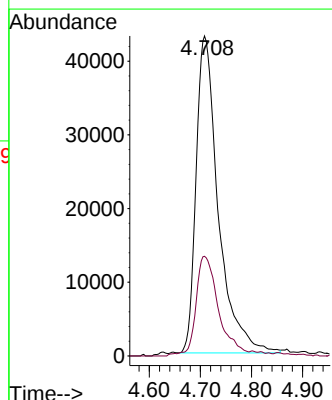
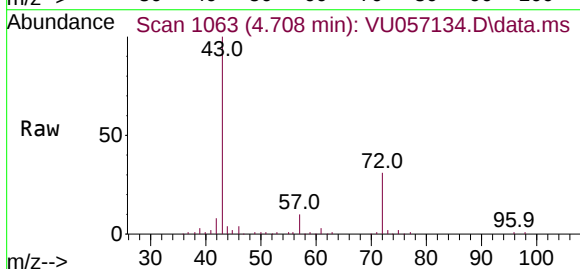
Acq: 21 Dec 2023 14:04

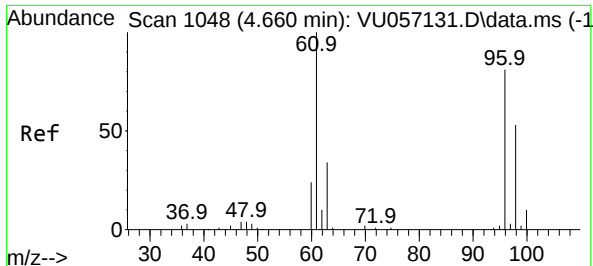
Tgt Ion: 43 Resp: 129789

Ion Ratio Lower Upper

43 100

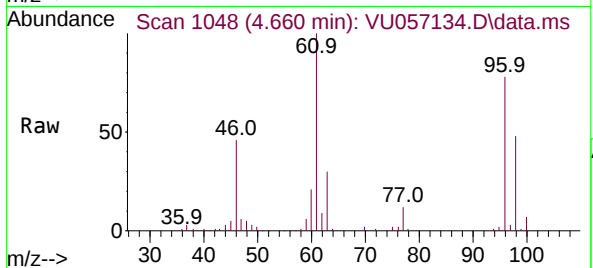
72 32.0 16.3 48.8





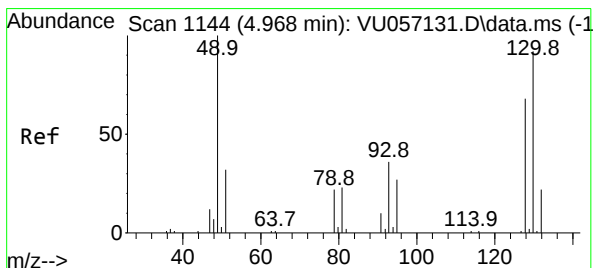
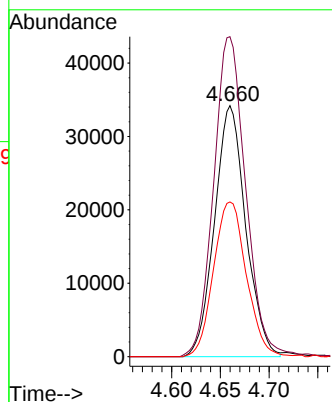
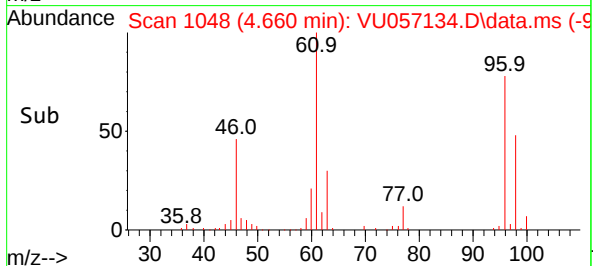
#22
 cis-1,2-Dichloroethene
 Concen: 5.137 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04

Instrument :
 MSVOA_U
 ClientSampleId :

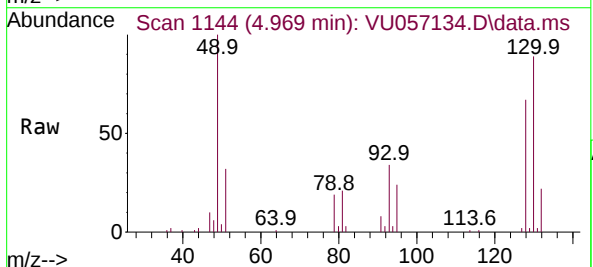


Tgt Ion: 96 Resp: 76088

Ion	Ratio	Lower	Upper
96	100		
61	127.5	86.8	161.2
98	61.6	45.5	84.5

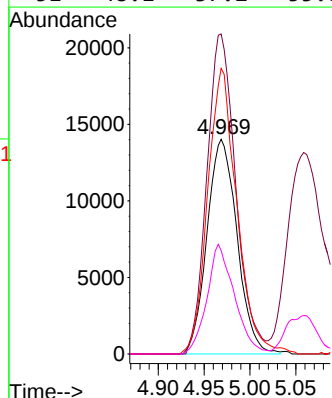
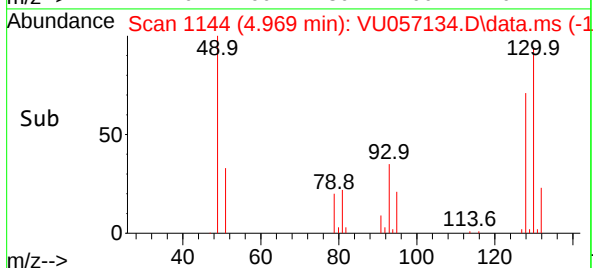


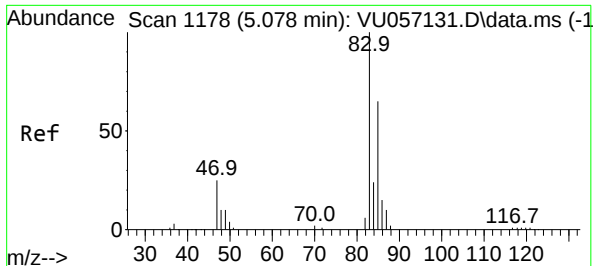
#23
 Bromochloromethane
 Concen: 4.980 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU057134.D
 Acq: 21 Dec 2023 14:04



Tgt Ion: 128 Resp: 31963

Ion	Ratio	Lower	Upper
128	100		
49	149.0	102.7	190.7
130	133.0	94.7	175.9
51	48.1	37.2	55.8





#25

Chloroform

Concen: 4.911 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

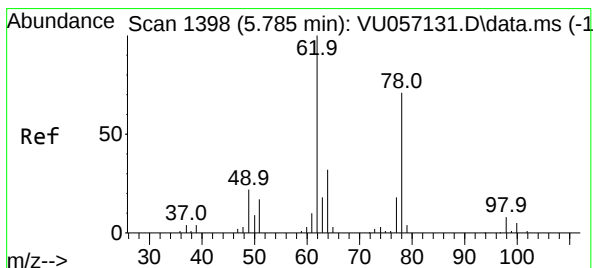
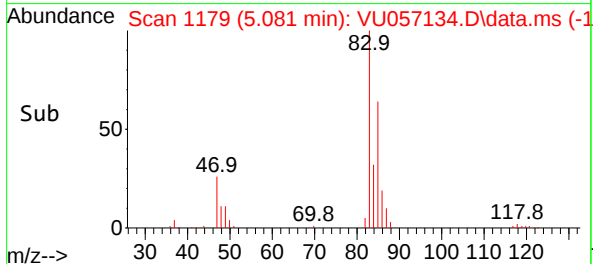
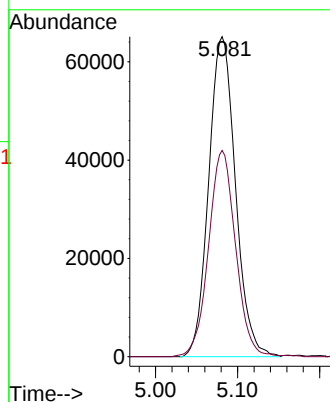
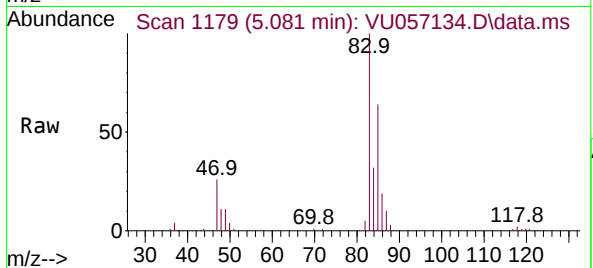
ClientSampleId :

Tgt Ion: 83 Resp: 147858

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 4.954 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057134.D

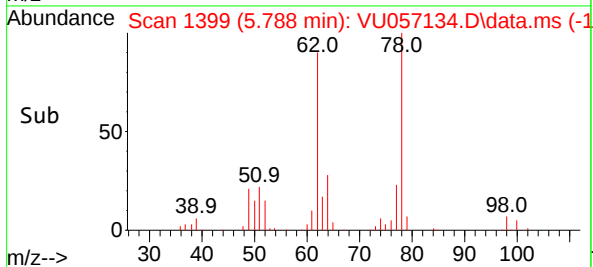
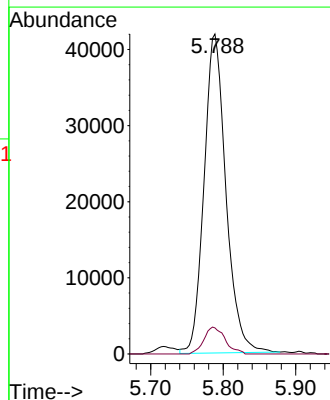
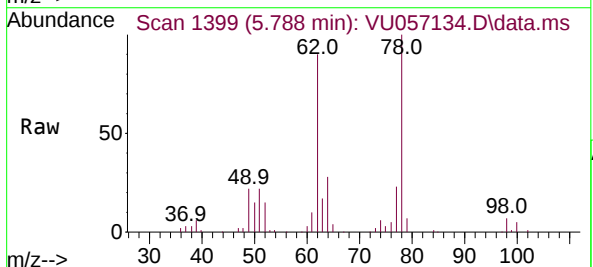
Acq: 21 Dec 2023 14:04

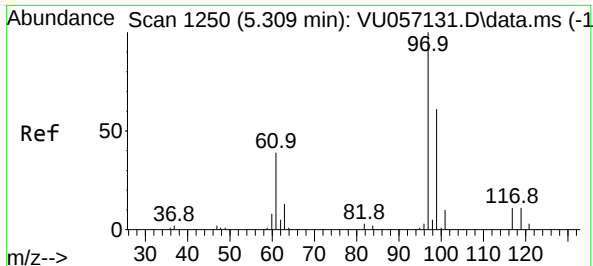
Tgt Ion: 62 Resp: 88000

Ion Ratio Lower Upper

62 100

98 8.1 6.3 9.5

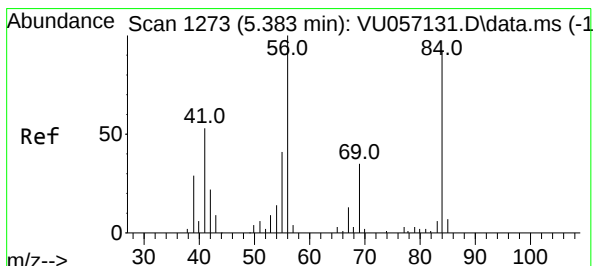
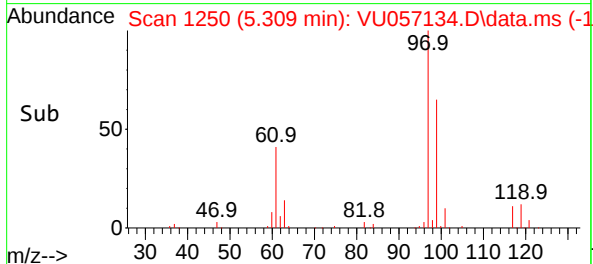
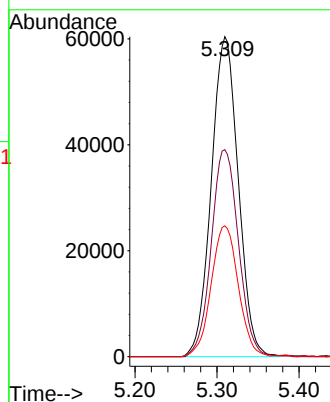
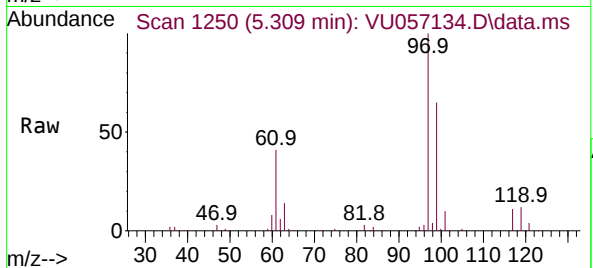




#29
1,1,1-Trichloroethane
Concen: 4.922 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

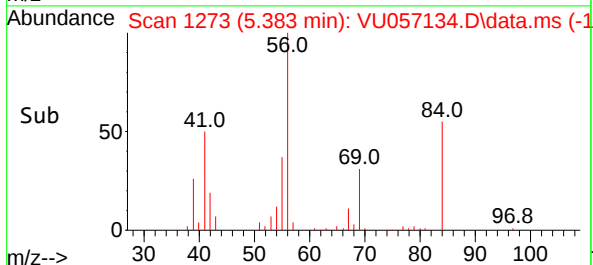
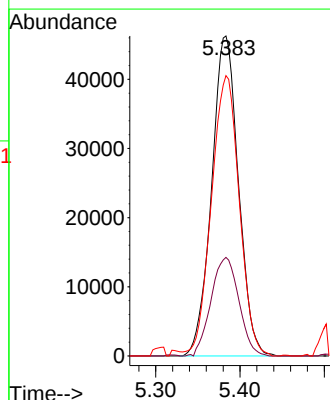
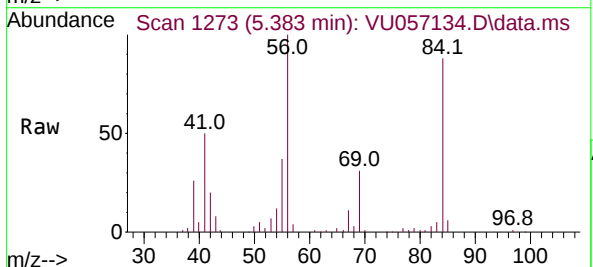
Instrument :
MSVOA_U
ClientSampleId :

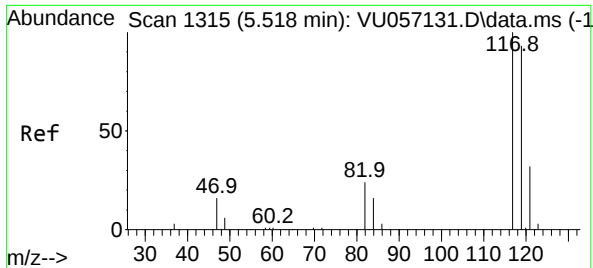
Tgt Ion: 97 Resp: 138185
Ion Ratio Lower Upper
97 100
99 65.3 51.2 76.8
61 41.2 32.5 48.7



#30
Cyclohexane
Concen: 5.380 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion: 56 Resp: 102110
Ion Ratio Lower Upper
56 100
69 32.0 26.7 40.1
84 91.1 74.9 112.3

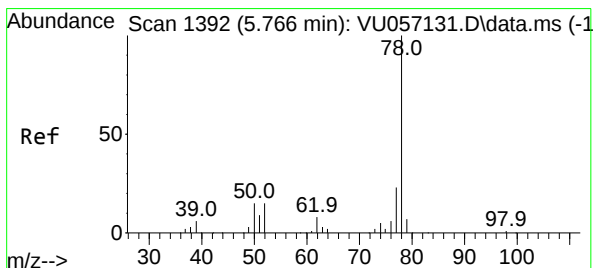
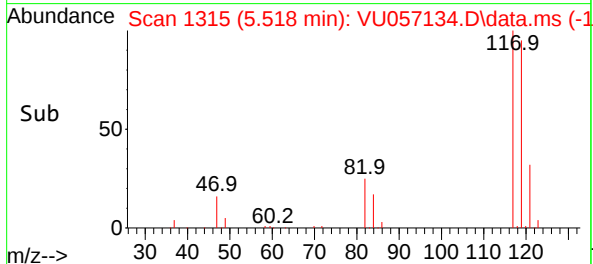
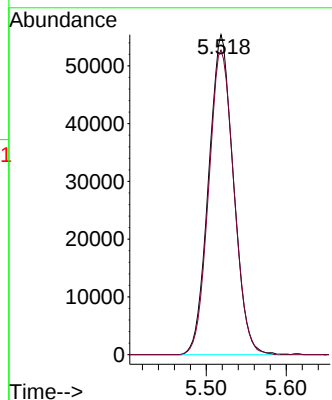
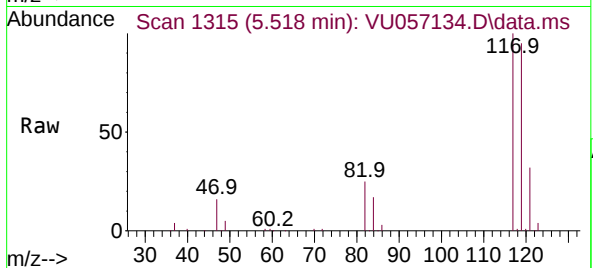




#31
Carbon tetrachloride
Concen: 4.849 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

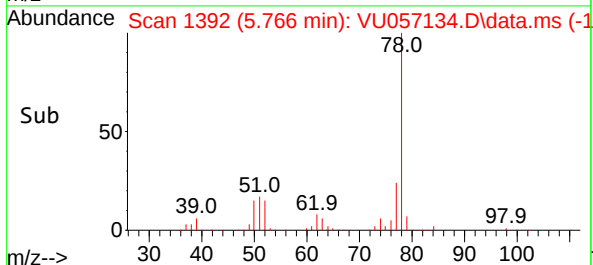
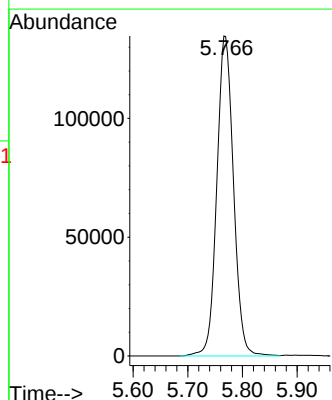
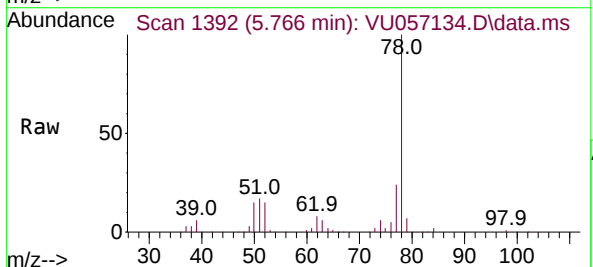
Instrument :
MSVOA_U
ClientSampleId :

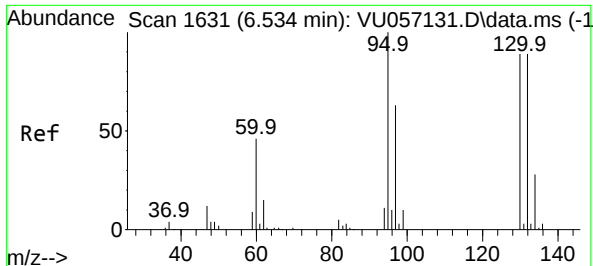
Tgt Ion:117 Resp: 119749
Ion Ratio Lower Upper
117 100
119 96.5 75.1 112.7



#33
Benzene
Concen: 5.092 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion: 78 Resp: 285150

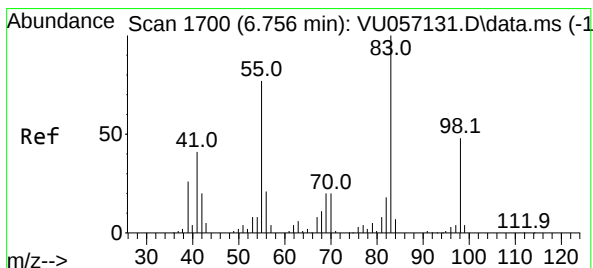
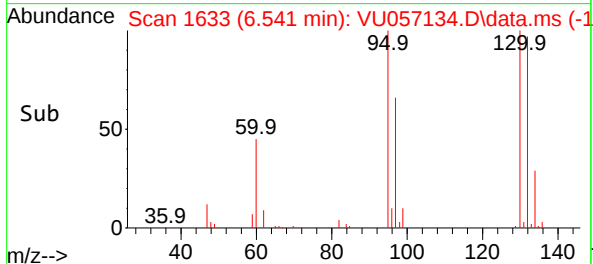
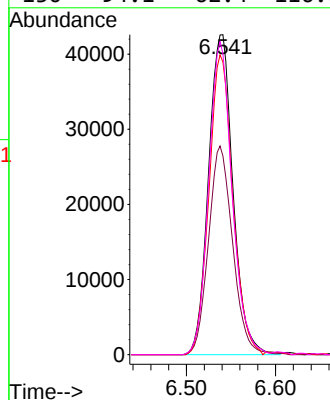
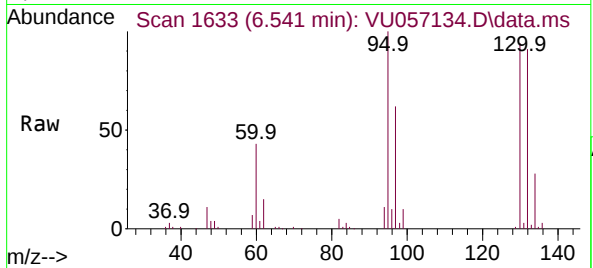




#34
Trichloroethene
Concen: 4.967 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.007 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

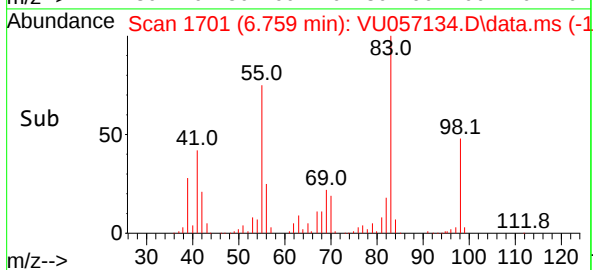
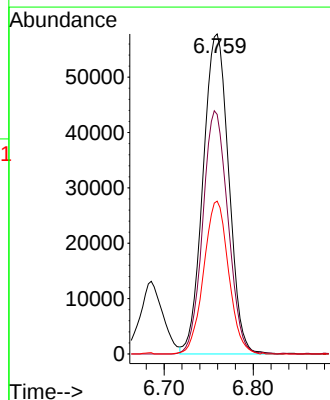
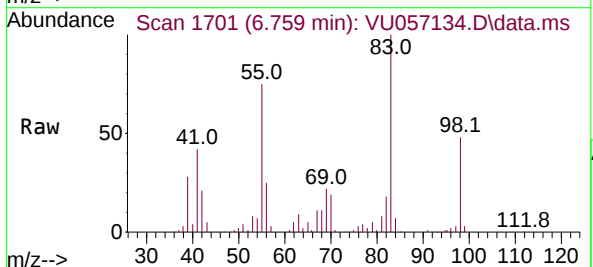
Instrument :
MSVOA_U
ClientSampleId :

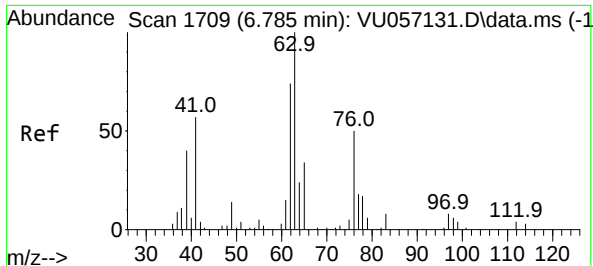
Tgt Ion: 95 Resp: 81349
Ion Ratio Lower Upper
95 100
97 62.1 44.3 82.3
132 91.5 62.6 116.2
130 94.1 62.4 116.0



#35
Methylcyclohexane
Concen: 5.365 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion: 83 Resp: 115673
Ion Ratio Lower Upper
83 100
55 74.5 61.3 91.9
98 46.3 36.6 55.0

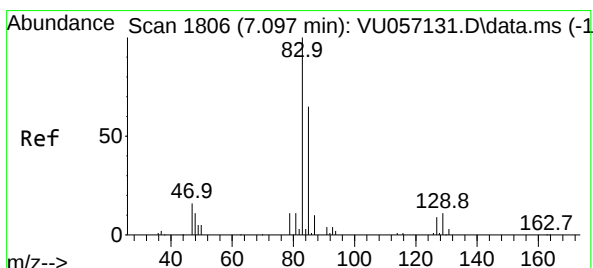
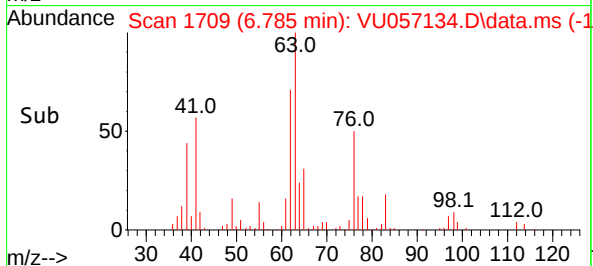
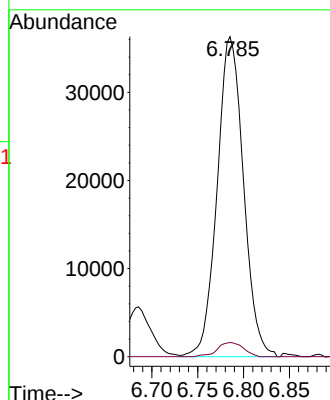
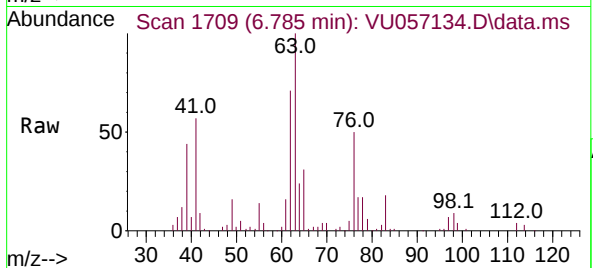




#37
1,2-Dichloropropane
Concen: 5.213 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

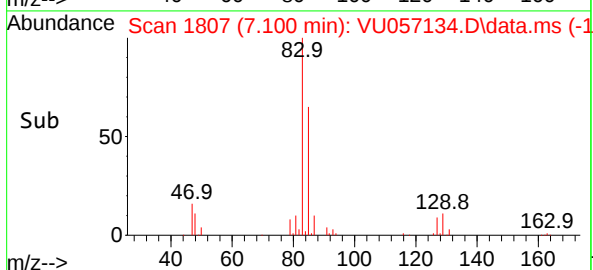
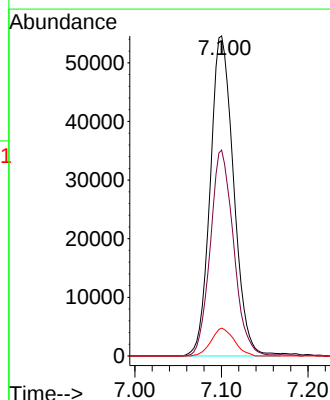
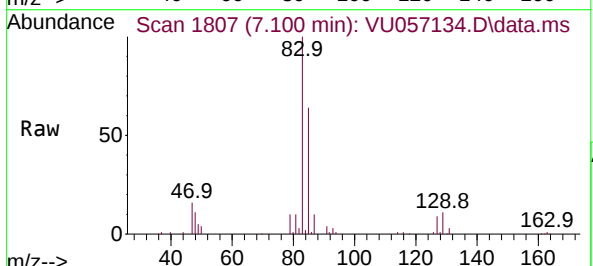
Instrument :
MSVOA_U
ClientSampleId :

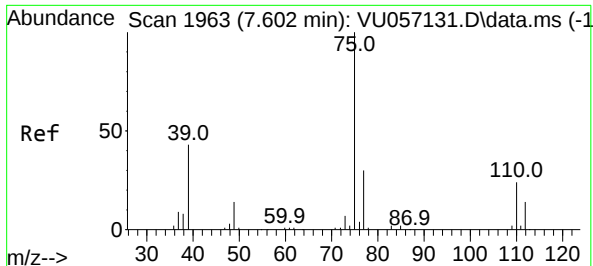
Tgt Ion: 63 Resp: 72624
Ion Ratio Lower Upper
63 100
112 4.4 3.1 4.7



#38
Bromodichloromethane
Concen: 5.085 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion: 83 Resp: 102478
Ion Ratio Lower Upper
83 100
85 64.3 45.8 85.0
127 8.7 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 5.342 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

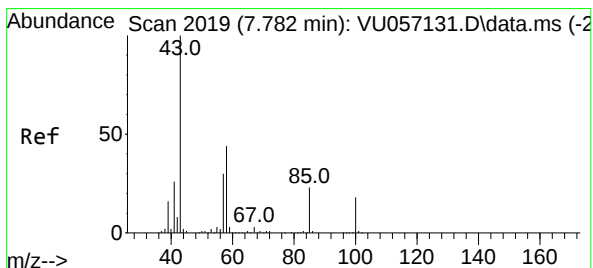
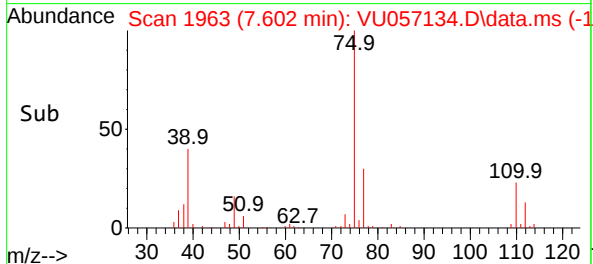
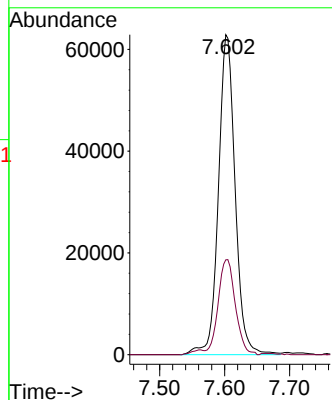
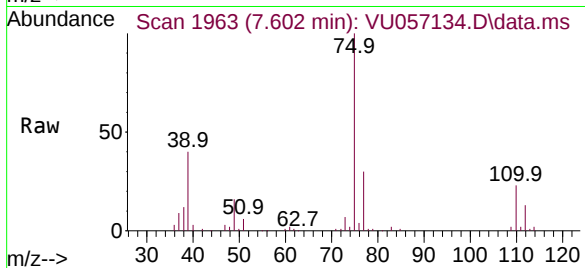
ClientSampleId :

Tgt Ion: 75 Resp: 111947

Ion Ratio Lower Upper

75 100

77 29.7 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 55.569 ug/L

RT: 7.792 min Scan# 2022

Delta R.T. 0.010 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

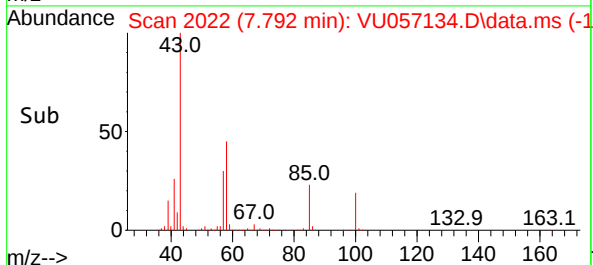
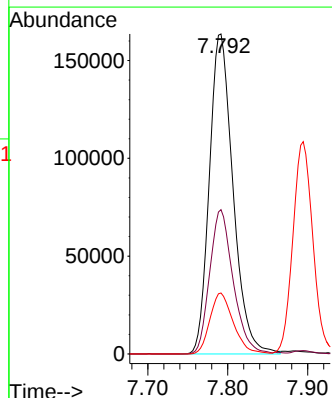
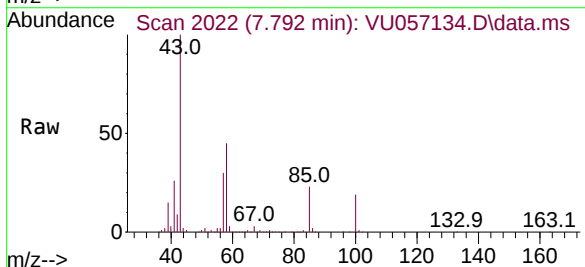
Tgt Ion: 43 Resp: 336508

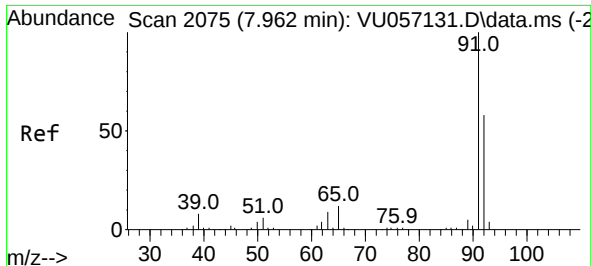
Ion Ratio Lower Upper

43 100

58 44.7 34.8 52.2

100 18.9 14.6 21.8





#42

Toluene

Concen: 5.249 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

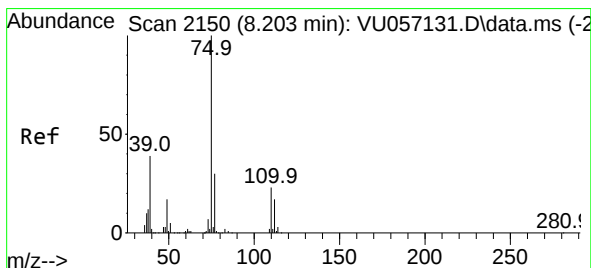
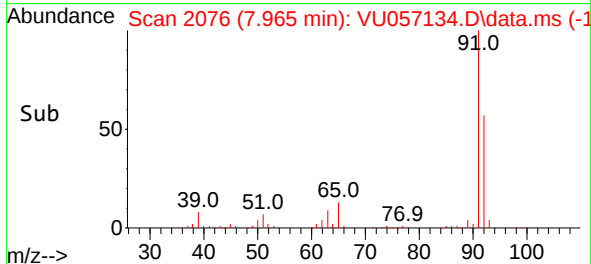
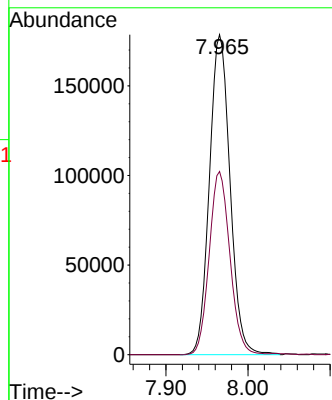
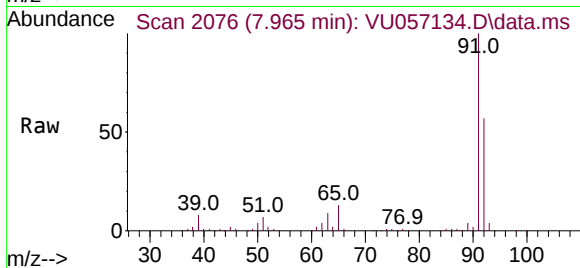
ClientSampleId :

Tgt Ion: 91 Resp: 311557

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.211 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057134.D

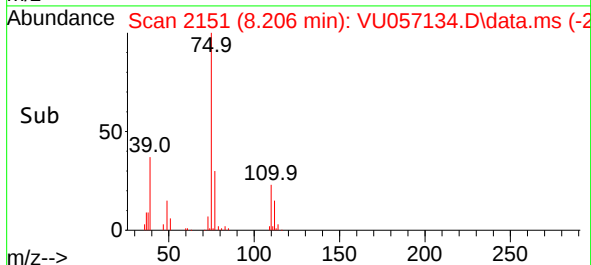
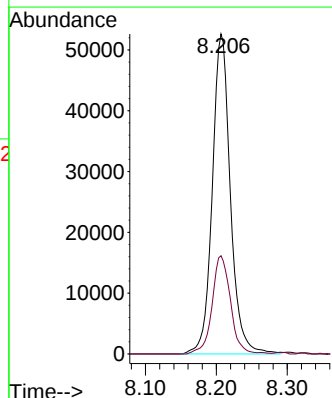
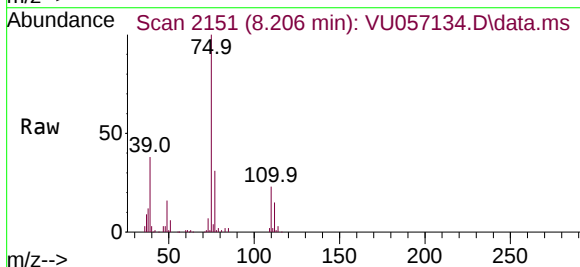
Acq: 21 Dec 2023 14:04

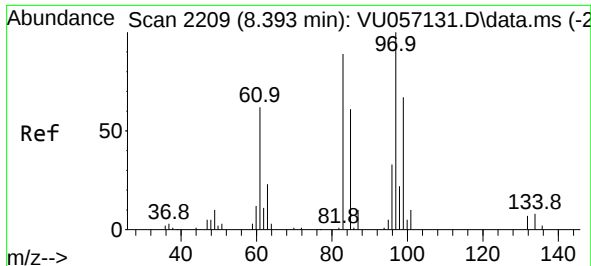
Tgt Ion: 75 Resp: 93192

Ion Ratio Lower Upper

75 100

77 30.7 21.4 39.8

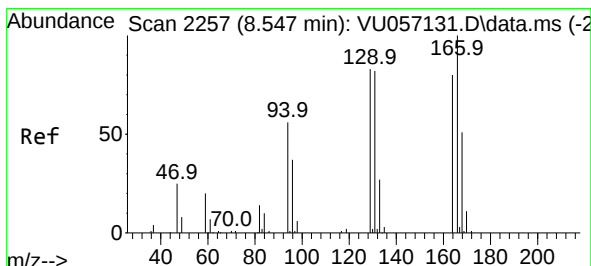
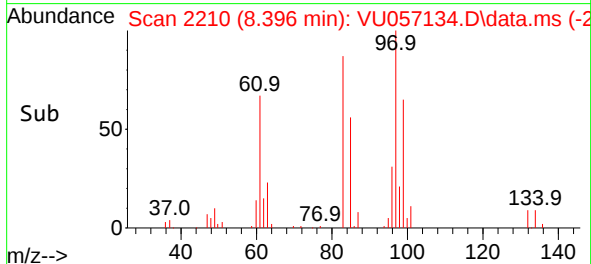
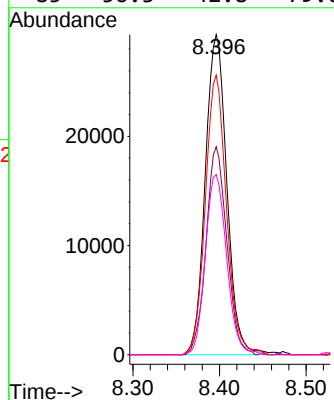
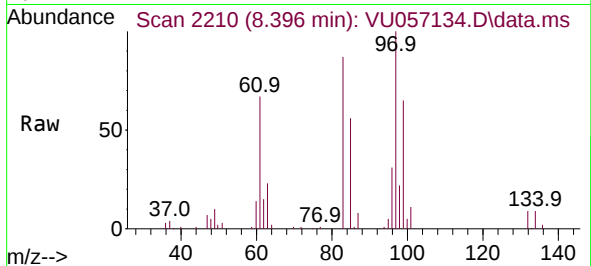




#45
1,1,2-Trichloroethane
Concen: 5.290 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

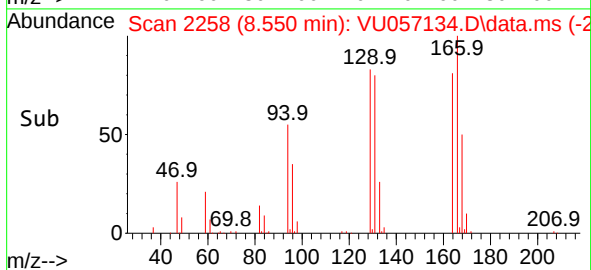
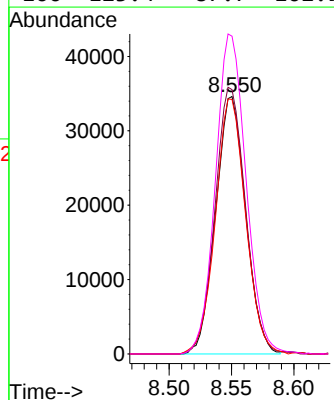
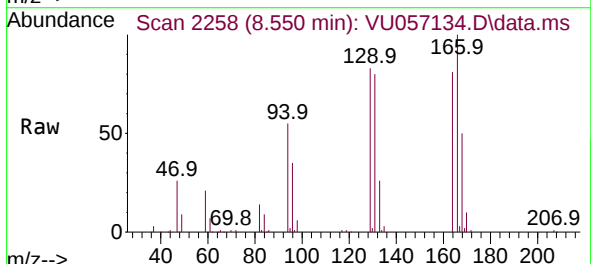
Instrument :
MSVOA_U
ClientSampleId :

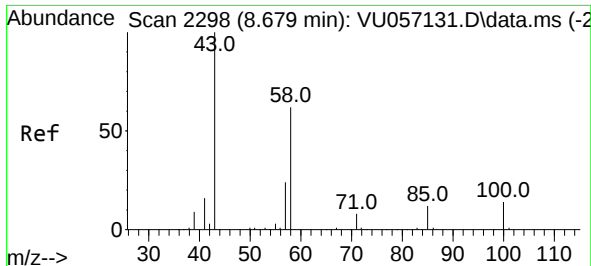
Tgt Ion: 97	Resp: 50842
Ion Ratio	Lower Upper
97 100	
99 65.0	47.0 87.2
83 87.4	62.1 115.3
85 56.3	42.8 79.6



#47
Tetrachloroethene
Concen: 4.964 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

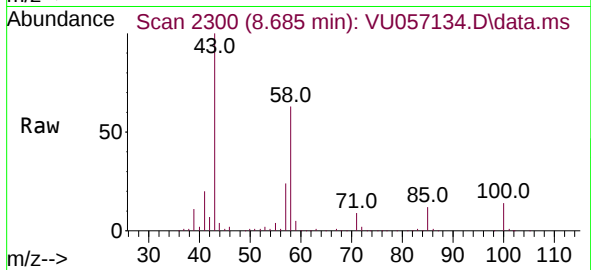
Tgt Ion: 164	Resp: 58252
Ion Ratio	Lower Upper
164 100	
129 102.7	72.9 135.3
131 98.9	71.7 133.3
166 123.4	87.7 162.9



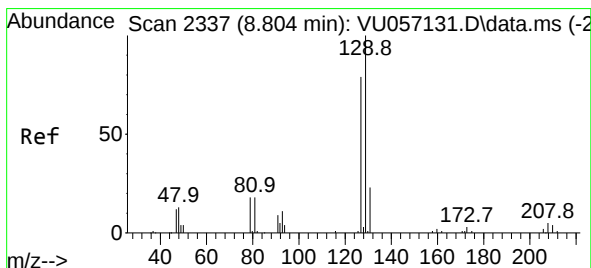
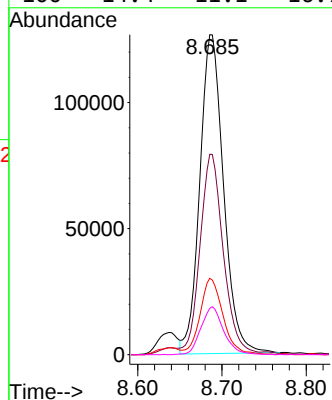
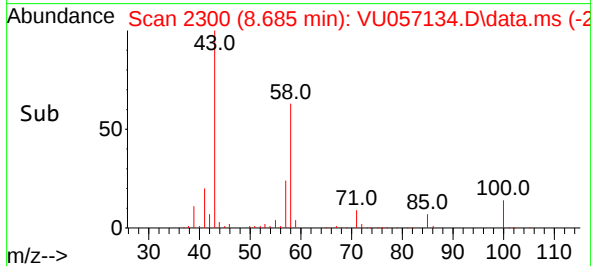


#48
2-Hexanone
Concen: 55.689 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Instrument :
MSVOA_U
ClientSampleId :

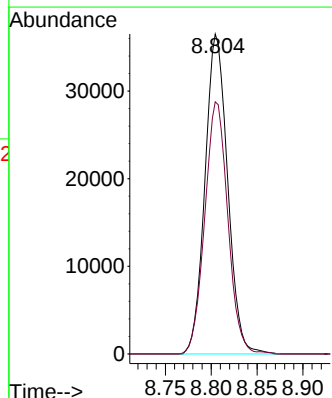
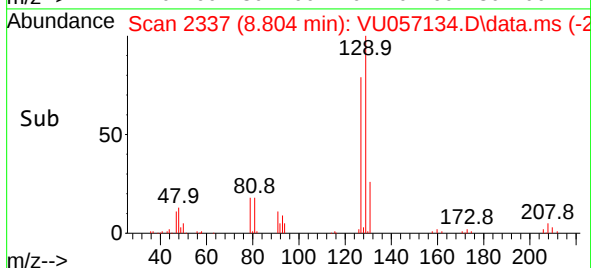
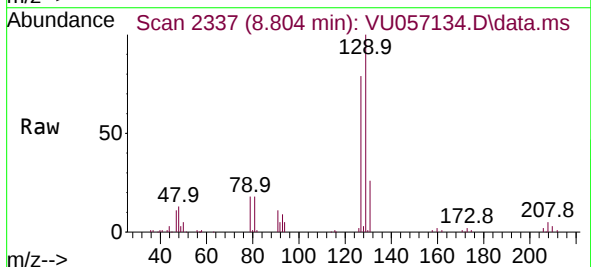


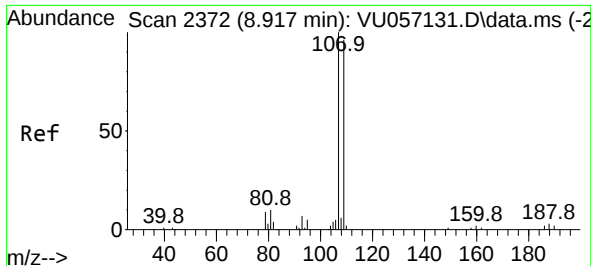
Tgt Ion: 43 Resp: 248119
Ion Ratio Lower Upper
43 100
58 60.3 49.8 74.8
57 23.2 18.5 27.7
100 14.4 11.1 16.7



#49
Dibromochloromethane
Concen: 5.027 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion: 129 Resp: 62633
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.6

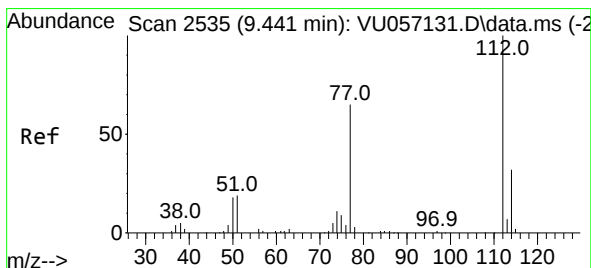
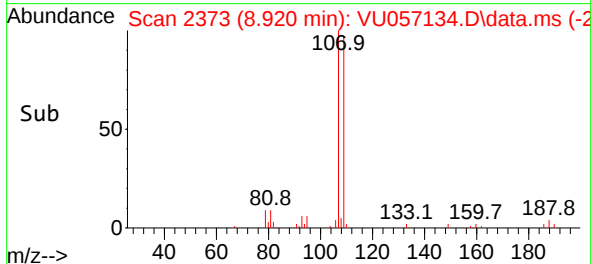
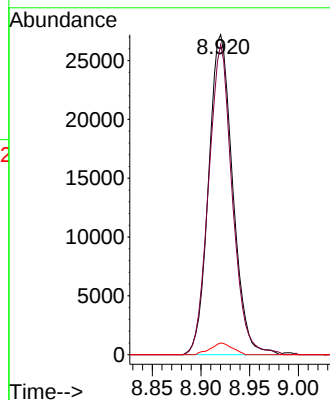
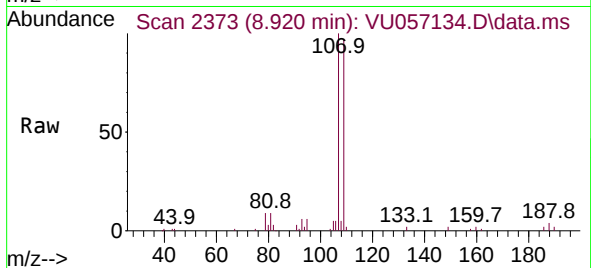




#50
1,2-Dibromoethane
Concen: 5.184 ug/L
RT: 8.920 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

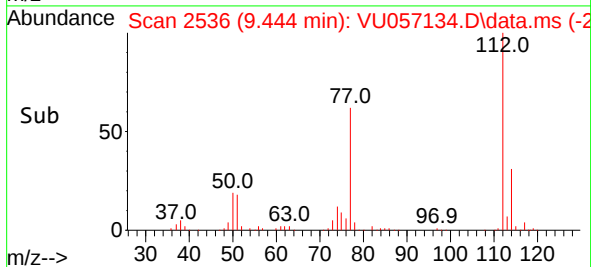
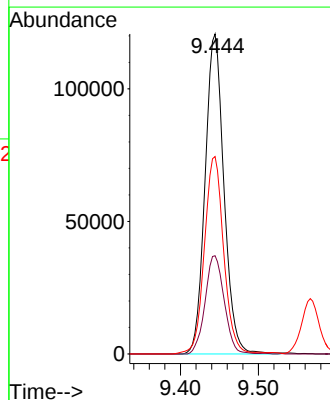
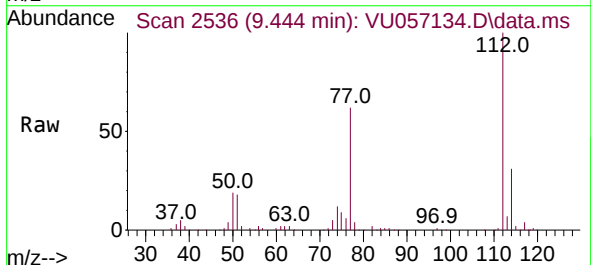
Instrument :
MSVOA_U
ClientSampleId :

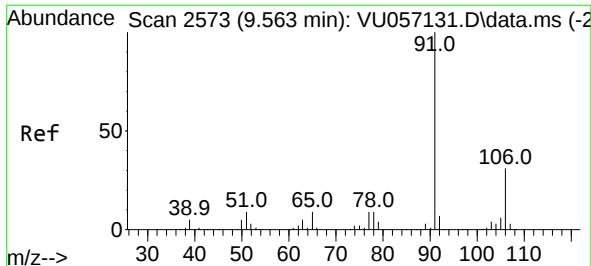
Tgt Ion:107 Resp: 46777
Ion Ratio Lower Upper
107 100
109 96.9 66.8 124.2
188 3.6 2.6 4.0



#51
Chlorobenzene
Concen: 5.266 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion:112 Resp: 203401
Ion Ratio Lower Upper
112 100
114 30.7 22.7 42.1
77 61.7 52.2 78.2

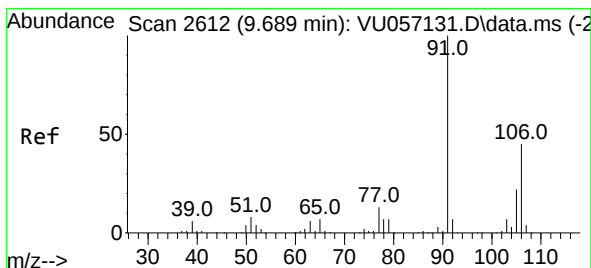
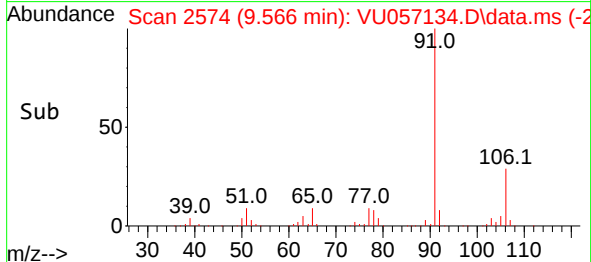
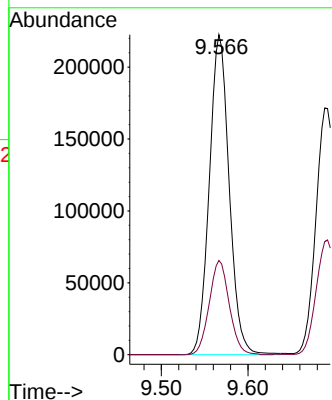
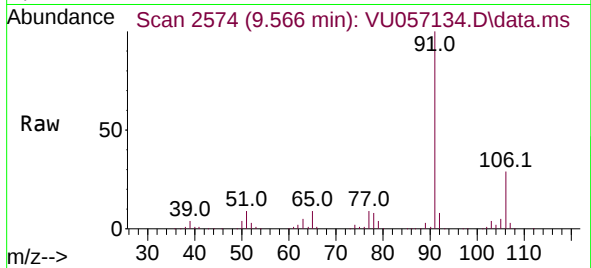




#52
Ethylbenzene
Concen: 5.306 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

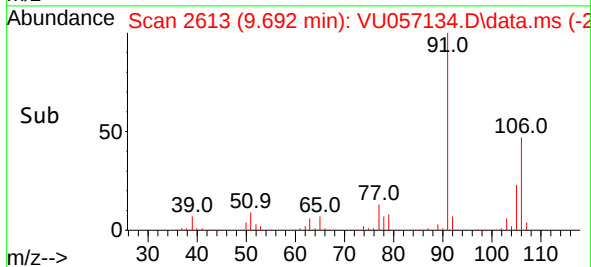
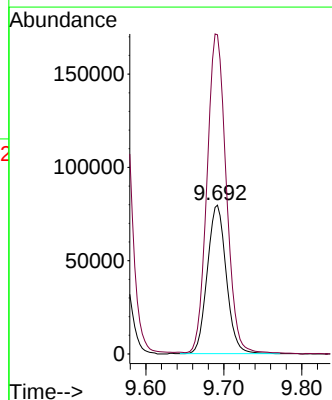
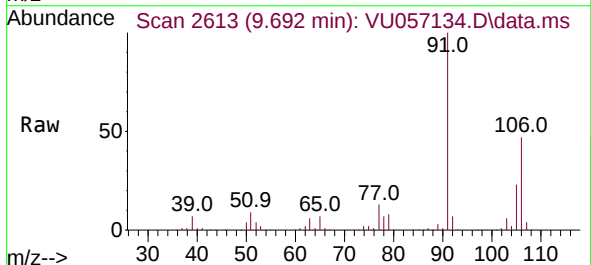
Instrument :
MSVOA_U
ClientSampleId :

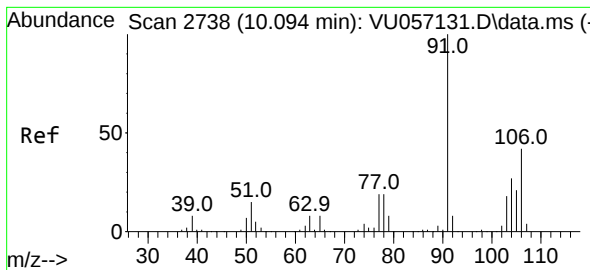
Tgt Ion: 91 Resp: 354863
Ion Ratio Lower Upper
91 100
106 29.5 21.6 40.2



#53
m,p-Xylene
Concen: 5.492 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion:106 Resp: 134339
Ion Ratio Lower Upper
106 100
91 214.5 154.5 286.9





#54

o-Xylene

Concen: 5.389 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

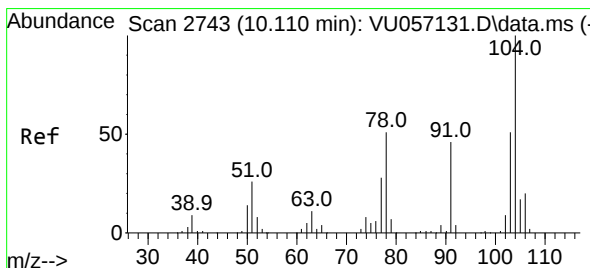
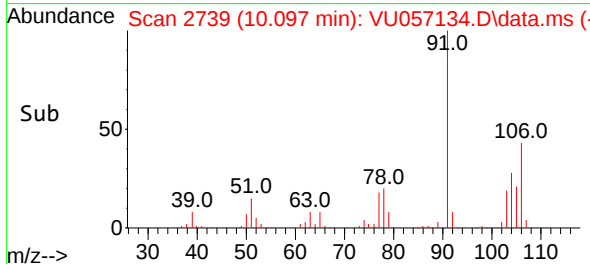
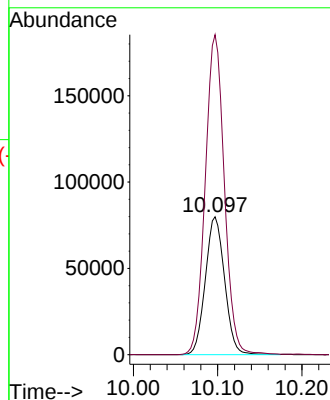
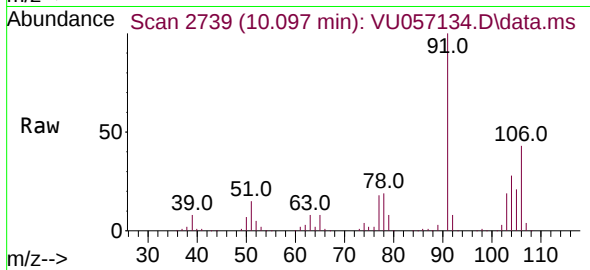
ClientSampleId :

Tgt Ion:106 Resp: 127195

Ion Ratio Lower Upper

106 100

91 232.1 165.4 307.2



#55

Styrene

Concen: 5.669 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU057134.D

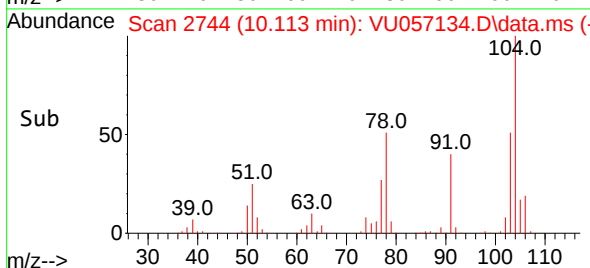
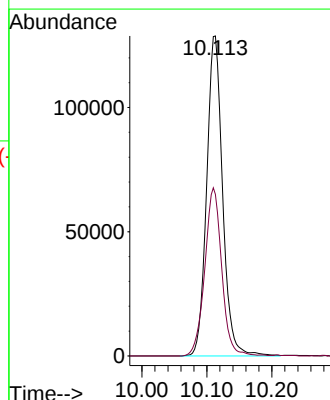
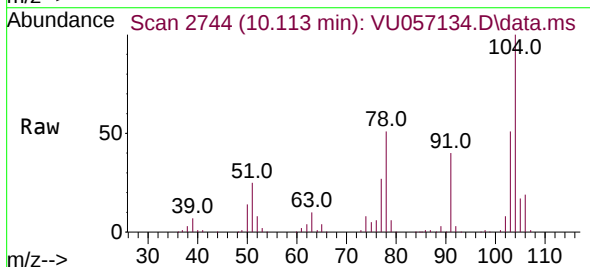
Acq: 21 Dec 2023 14:04

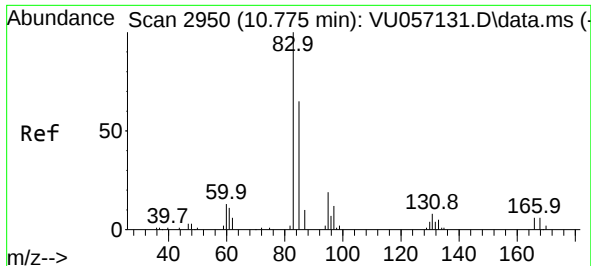
Tgt Ion:104 Resp: 220682

Ion Ratio Lower Upper

104 100

78 50.5 35.8 66.6

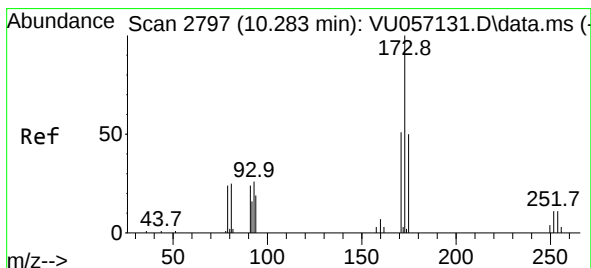
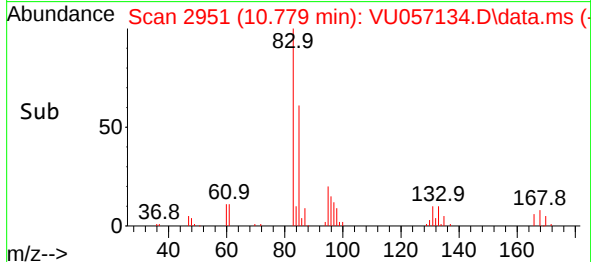
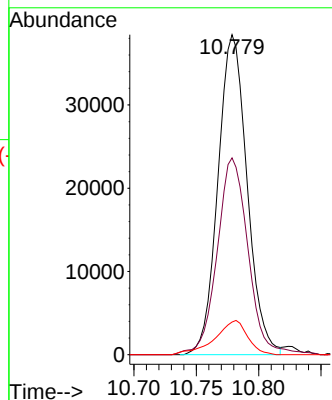
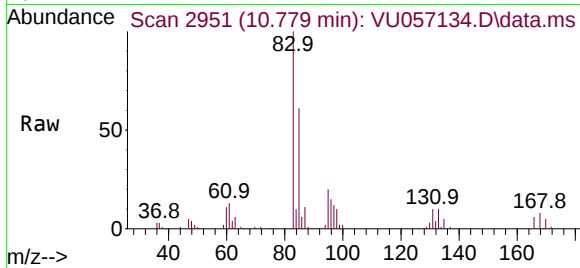




#57
1,1,2,2-Tetrachloroethane
Concen: 5.405 ug/L
RT: 10.779 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

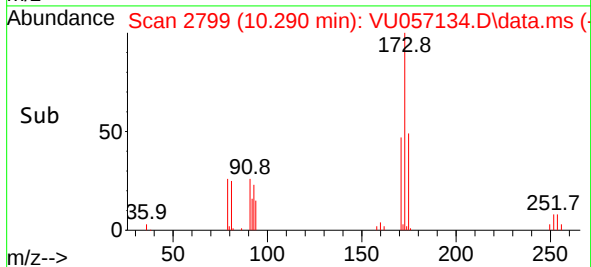
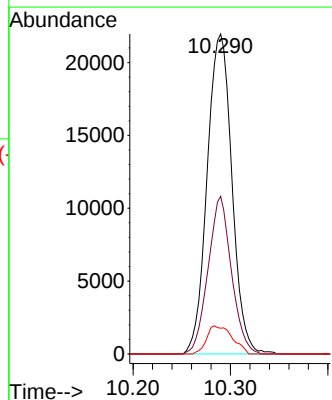
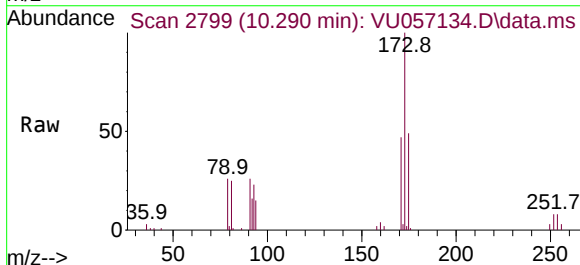
Instrument :
MSVOA_U
ClientSampleId :

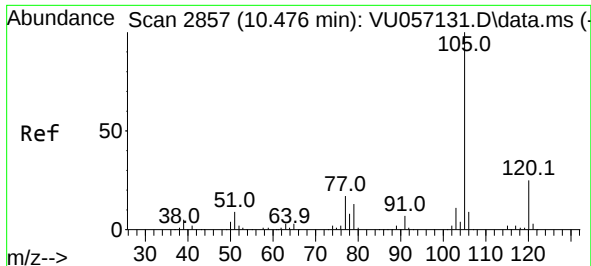
Tgt Ion: 83 Resp: 62633
Ion Ratio Lower Upper
83 100
85 61.5 45.8 85.2
131 10.2 7.0 10.6



#59
Bromoform
Concen: 5.689 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.007 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion:173 Resp: 38768
Ion Ratio Lower Upper
173 100
175 46.4 40.5 60.7
254 9.1 8.1 12.1

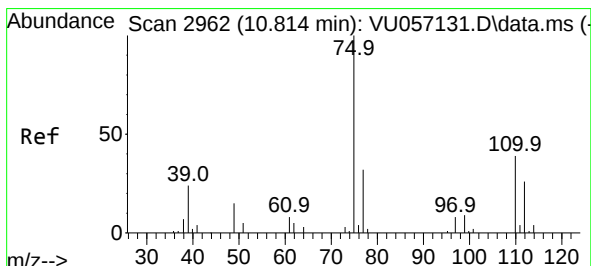
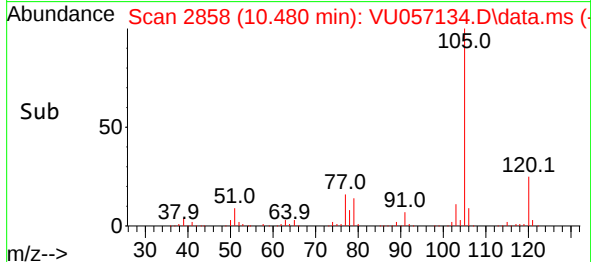
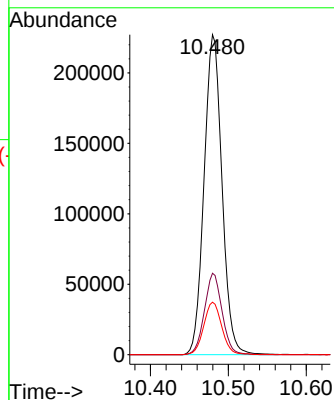
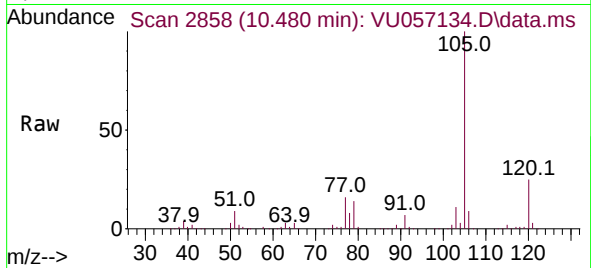




#60
Isopropylbenzene
Concen: 5.537 ug/L
RT: 10.480 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

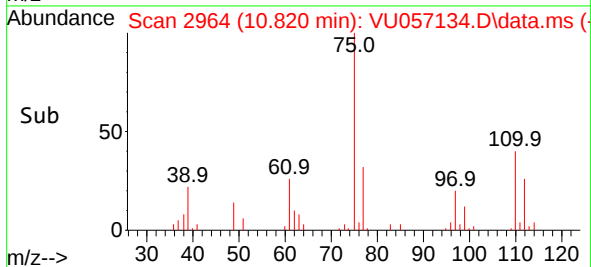
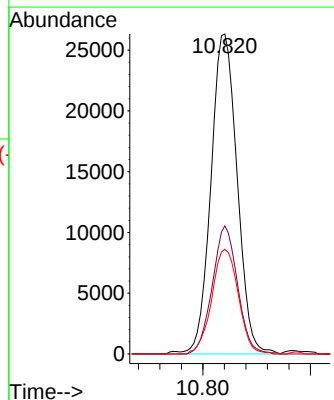
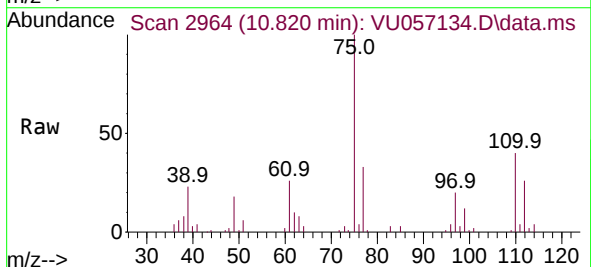
Instrument :
MSVOA_U
ClientSampleId :

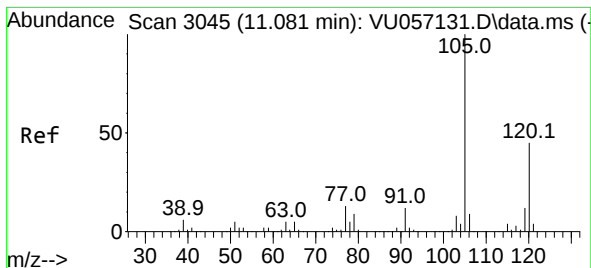
Tgt Ion:105 Resp: 362562
Ion Ratio Lower Upper
105 100
120 25.0 19.8 29.8
77 16.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.373 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.007 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion: 75 Resp: 44461
Ion Ratio Lower Upper
75 100
110 38.5 31.2 46.8
77 33.3 25.5 38.3

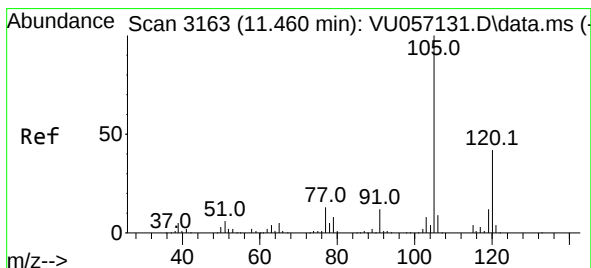
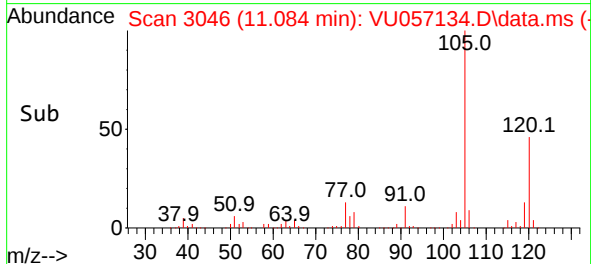
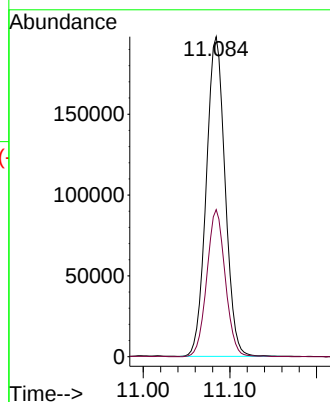
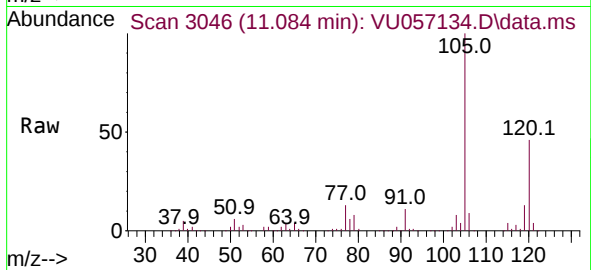




#62
1,3,5-Trimethylbenzene
Concen: 5.560 ug/L
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

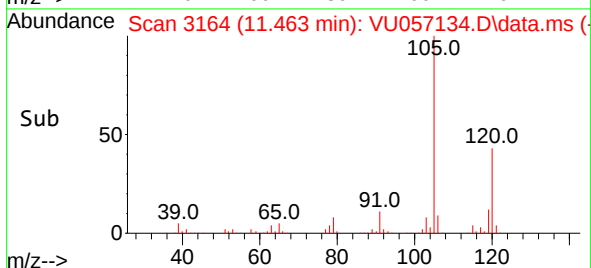
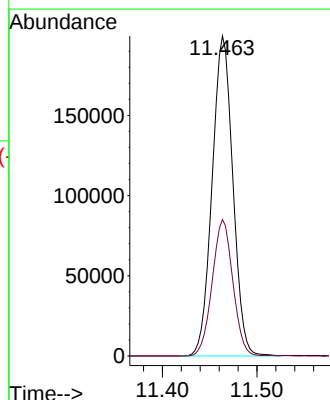
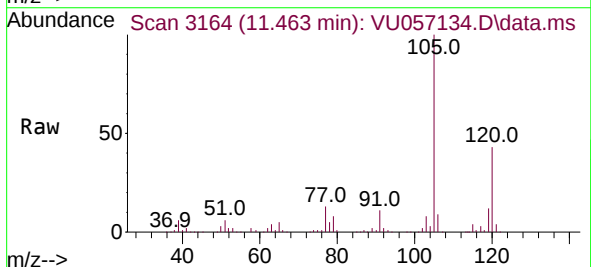
Instrument :
MSVOA_U
ClientSampleId :

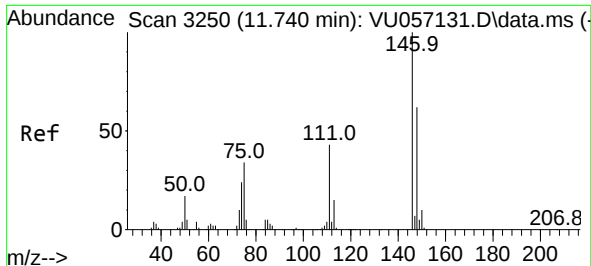
Tgt Ion:105 Resp: 298305
Ion Ratio Lower Upper
105 100
120 45.0 35.8 53.8



#63
1,2,4-Trimethylbenzene
Concen: 5.737 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion:105 Resp: 303738
Ion Ratio Lower Upper
105 100
120 42.5 33.9 50.9

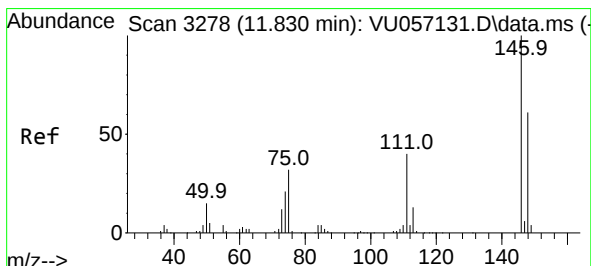
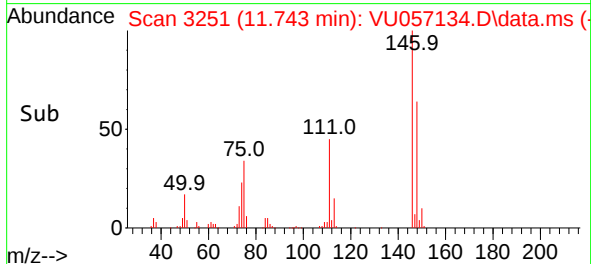
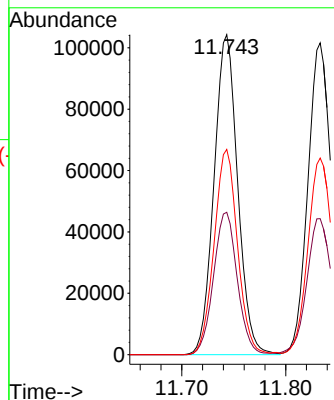
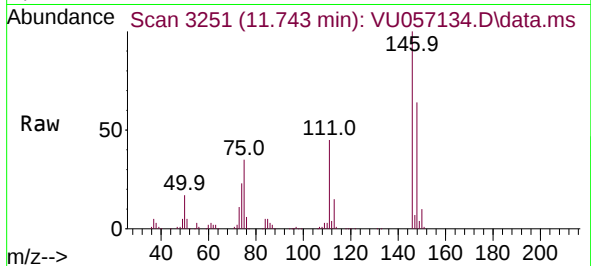




#64
1,3-Dichlorobenzene
Concen: 5.335 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

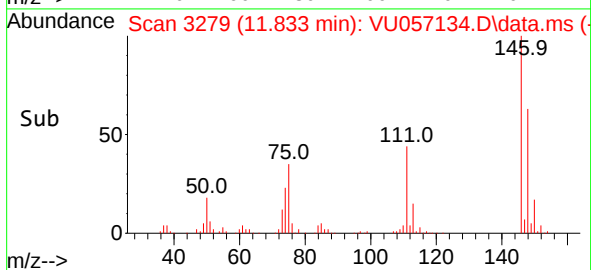
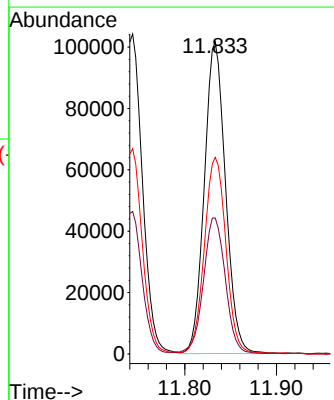
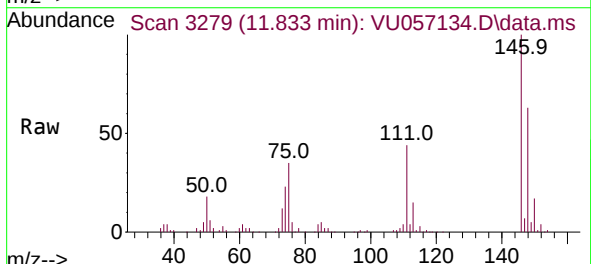
Instrument :
MSVOA_U
ClientSampleId :

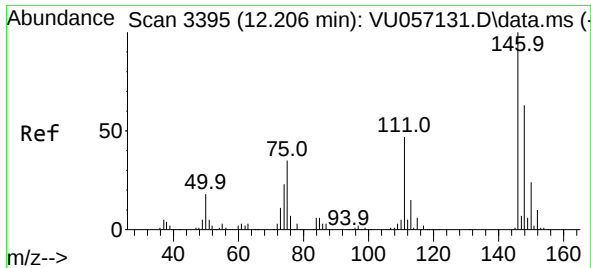
Tgt Ion:146 Resp: 165101
Ion Ratio Lower Upper
146 100
111 44.5 30.4 56.4
148 64.1 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 5.235 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion:146 Resp: 163090
Ion Ratio Lower Upper
146 100
111 43.6 28.1 52.3
148 63.0 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 5.358 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

ClientSampleId :

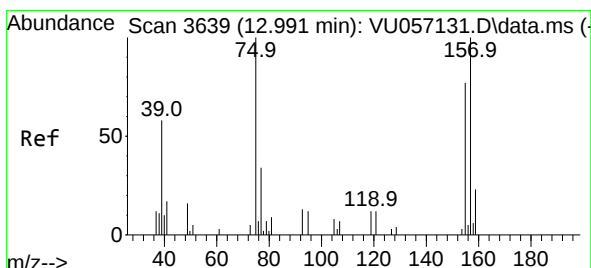
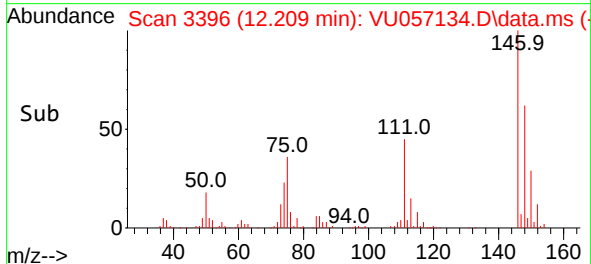
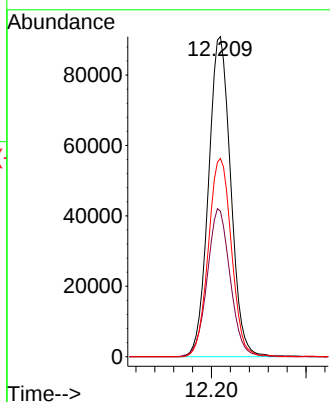
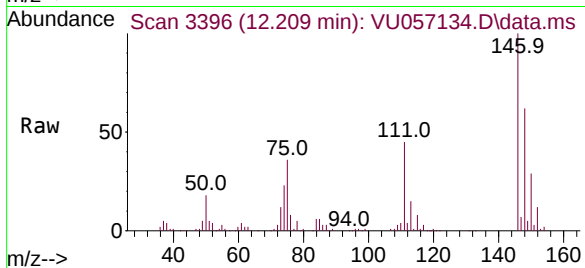
Tgt Ion:146 Resp: 148304

Ion Ratio Lower Upper

146 100

111 45.5 37.9 56.9

148 61.9 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 4.985 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

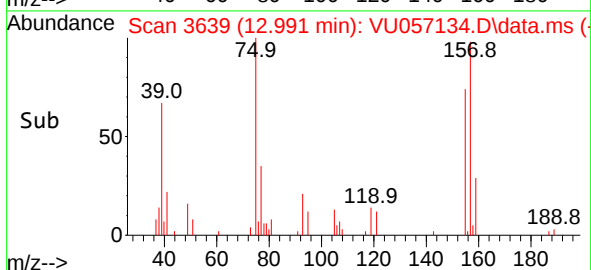
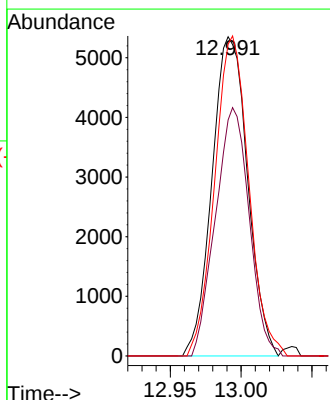
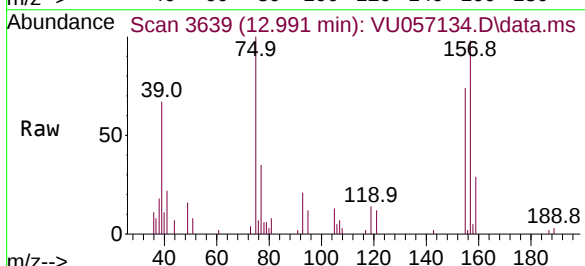
Tgt Ion: 75 Resp: 9355

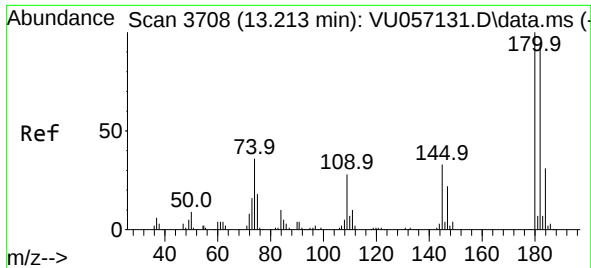
Ion Ratio Lower Upper

75 100

155 73.9 61.4 92.0

157 97.6 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.483 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

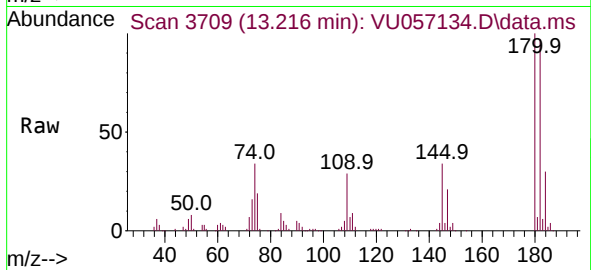
Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 126234

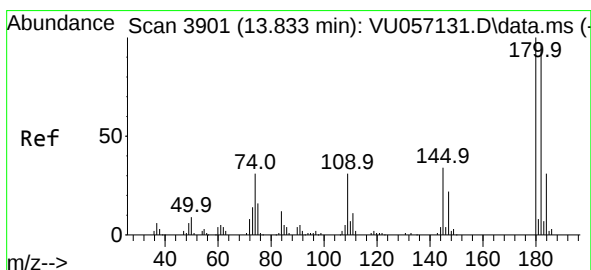
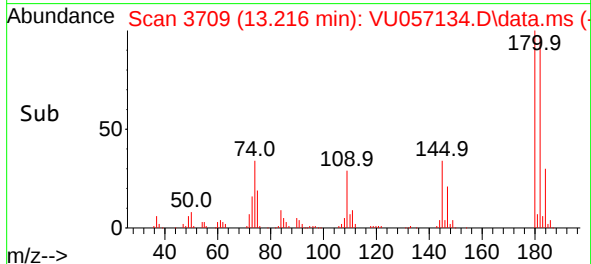
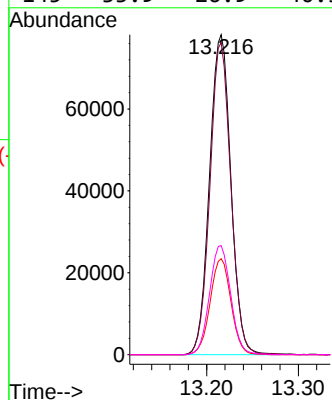
Ion Ratio Lower Upper

180 100

182 95.4 75.6 113.4

184 29.4 24.2 36.2

145 33.9 26.9 40.3



#70

1,2,4-trichlorobenzene

Concen: 5.427 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU057134.D

Acq: 21 Dec 2023 14:04

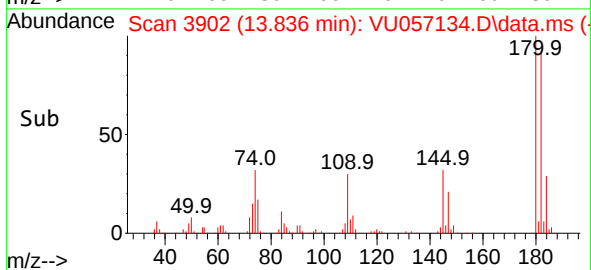
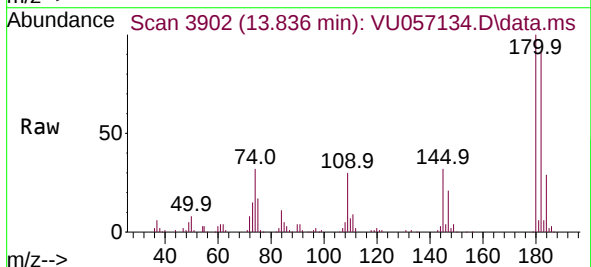
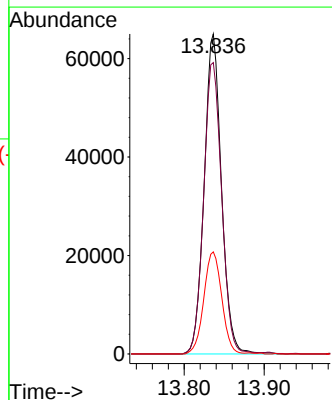
Tgt Ion:180 Resp: 97828

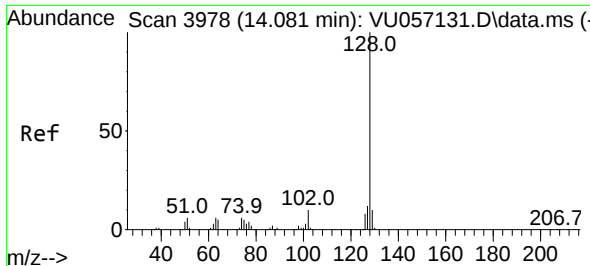
Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.0

145 33.1 27.7 41.5

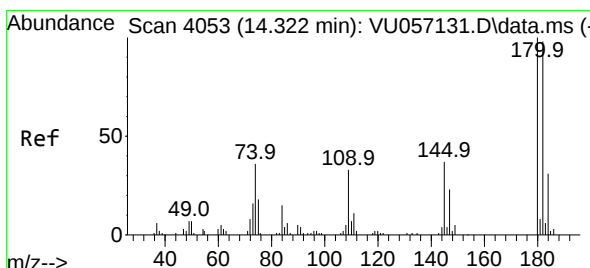
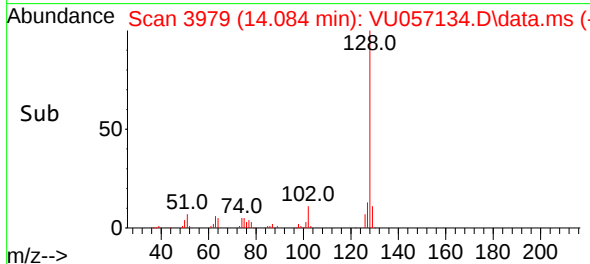
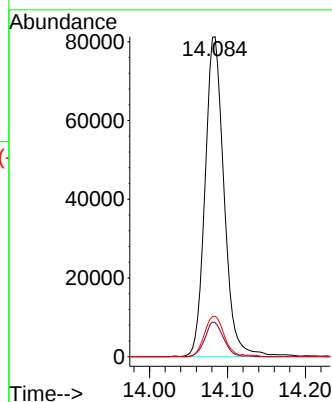
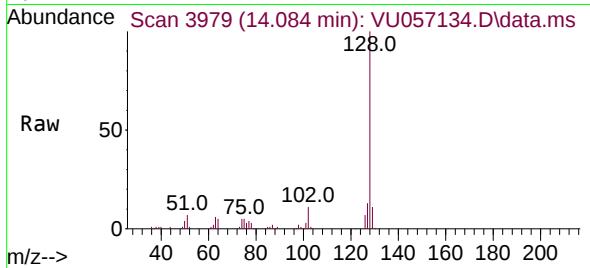




#71
Naphthalene
Concen: 6.035 ug/L
RT: 14.084 min Scan# 3978
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 137625
Ion Ratio Lower Upper
128 100
129 10.6 8.2 12.4
127 13.2 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 5.633 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU057134.D
Acq: 21 Dec 2023 14:04

Tgt Ion:180 Resp: 79207
Ion Ratio Lower Upper
180 100
182 93.2 76.2 114.4
145 35.5 28.9 43.3

