

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057130.D
 Acq On : 21 Dec 2023 11:52
 Operator : MD/SY
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:05:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 21 23:04:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	160212	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	159289	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	75267	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	16117	1.142	ug/L	0.00
7) Chloroethane-d5	1.911	69	12800	1.191	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	6538	1.075	ug/L	0.00
20) 2-Butanone-d5	4.640	46	22317	8.419	ug/L	0.02
24) Chloroform-d	5.058	84	29120	1.083	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	14807	1.165	ug/L	0.00
32) Benzene-d6	5.724	84	51776	1.024	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	15294	0.979	ug/L	0.00
41) Toluene-d8	7.894	98	46870	1.025	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	6008	0.983	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	18517	8.130	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	10482	0.930	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	16076	1.063	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	14367	0.867	ug/L	98
3) Chloromethane	1.518	50	12841	0.816	ug/L	100
5) Vinyl chloride	1.602	62	13620	0.852	ug/L	98
6) Bromomethane	1.856	94	5617	0.627	ug/L	96
8) Chloroethane	1.933	64	8693	0.918	ug/L	98
9) Trichlorofluoromethane	2.136	101	24939	1.050	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	13133	0.935	ug/L	97
12) 1,1-Dichloroethene	2.579	96	12452	0.972	ug/L	79
13) Acetone	2.634	43	13929	8.600	ug/L	97
14) Carbon disulfide	2.788	76	37801	0.870	ug/L	97
15) Methyl Acetate	2.955	43	3472	0.805	ug/L	93
16) Methylene chloride	3.046	84	14939	1.071	ug/L	94
17) Methyl tert-butyl Ether	3.357	73	23842	0.843	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	11380	0.877	ug/L	97
19) 1,1-Dichloroethane	3.865	63	22398	0.893	ug/L	98
21) 2-Butanone	4.717	43	18953	7.098	ug/L	86
22) cis-1,2-Dichloroethene	4.663	96	12438	0.878	ug/L	98
23) Bromochloromethane	4.971	128	5551	0.943	ug/L	88
25) Chloroform	5.081	83	25313	0.952	ug/L	99
27) 1,2-Dichloroethane	5.791	62	14992	0.950	ug/L #	95
29) 1,1,1-Trichloroethane	5.309	97	23805	1.007	ug/L	98
30) Cyclohexane	5.383	56	14892	0.716	ug/L	97
31) Carbon tetrachloride	5.515	117	21637	1.051	ug/L	96
33) Benzene	5.769	78	46625	0.847	ug/L	100
34) Trichloroethene	6.541	95	14168	0.930	ug/L	97
35) Methylcyclohexane	6.756	83	17130	0.769	ug/L	97
37) 1,2-Dichloropropane	6.785	63	11988	0.855	ug/L #	91
38) Bromodichloromethane	7.100	83	16883	0.922	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	17902	0.874	ug/L	94
40) 4-Methyl-2-pentanone	7.788	43	47511	7.224	ug/L	99
42) Toluene	7.965	91	47208	0.822	ug/L	96
44) trans-1,3-Dichloropropene	8.209	75	14139	0.831	ug/L	92

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

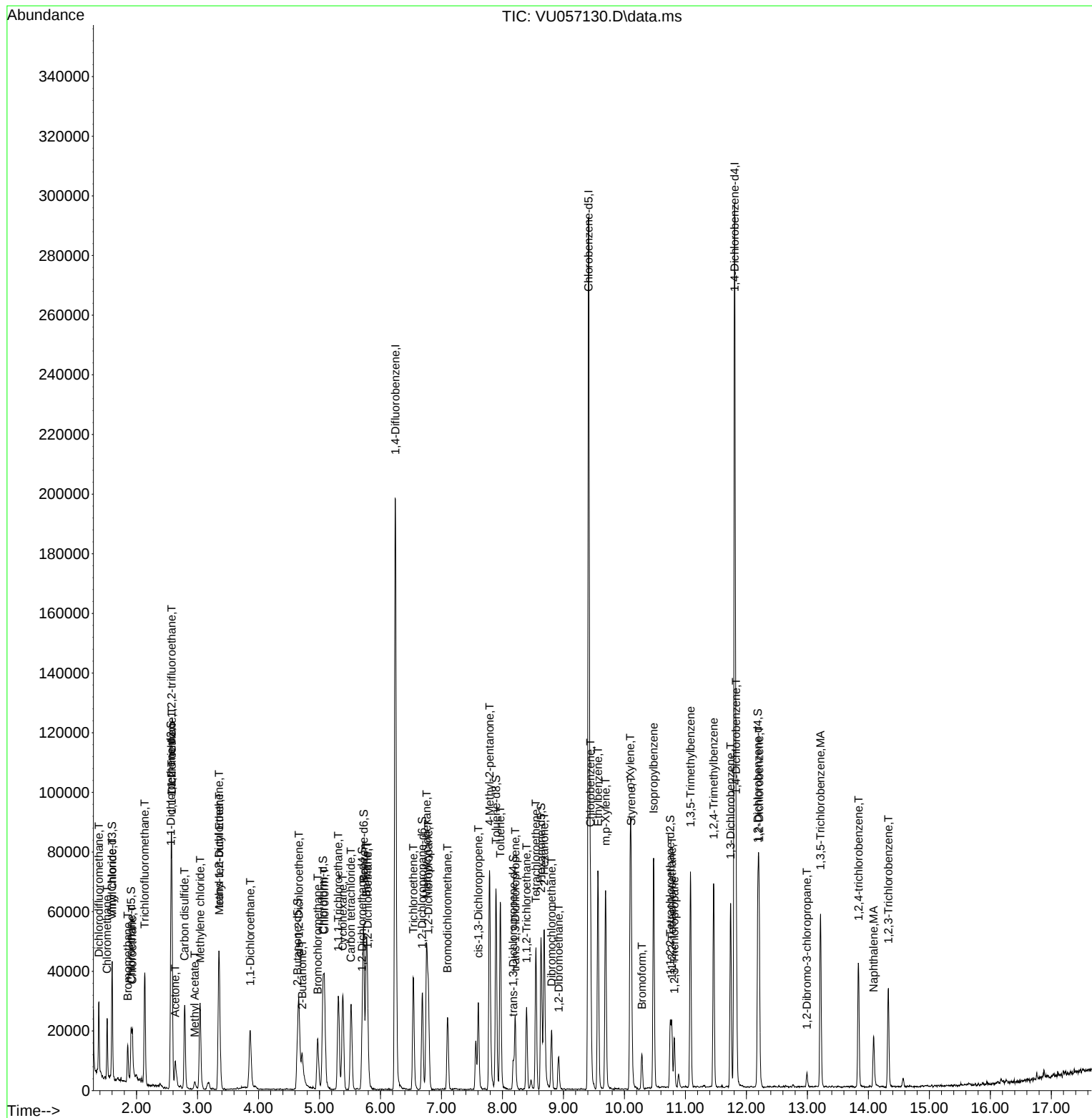
45) 1,1,2-Trichloroethane	8.396	97	8075	0.852	ug/L	94
47) Tetrachloroethene	8.550	164	10180	0.946	ug/L	88
48) 2-Hexanone	8.685	43	33842	7.191	ug/L	96
49) Dibromochloromethane	8.804	129	10686	0.958	ug/L	92
50) 1,2-Dibromoethane	8.923	107	7972	0.906	ug/L #	96
51) Chlorobenzene	9.444	112	33635	0.918	ug/L	96
52) Ethylbenzene	9.566	91	53207	0.840	ug/L	99
53) m,p-Xylene	9.692	106	18671	0.790	ug/L	91
54) o-Xylene	10.097	106	18198	0.808	ug/L	90
55) Styrene	10.113	104	27674	0.748	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	9724	0.841	ug/L #	97
59) Bromoform	10.286	173	5509	0.902	ug/L	98
60) Isopropylbenzene	10.479	105	49387	0.838	ug/L	97
61) 1,2,3-Trichloropropane	10.817	75	6974	0.884	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	40174	0.833	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	38000	0.795	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	25234	0.904	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	25667	0.924	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	22259	0.872	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.990	75	1597	0.982	ug/L #	60
69) 1,3,5-Trichlorobenzene	13.216	180	18367	0.867	ug/L	98
70) 1,2,4-trichlorobenzene	13.839	180	13399	0.801	ug/L	98
71) Naphthalene	14.087	128	15699	0.645	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	10943	0.775	ug/L	95

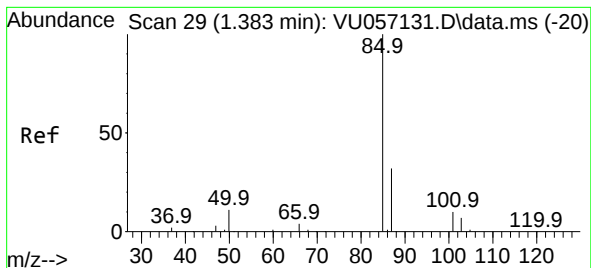
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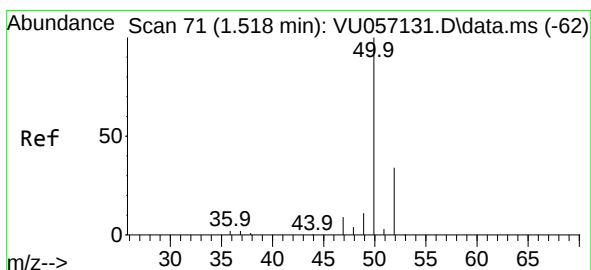
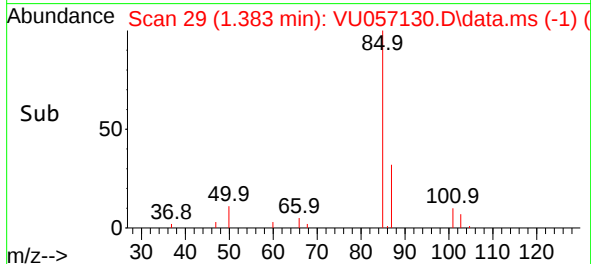
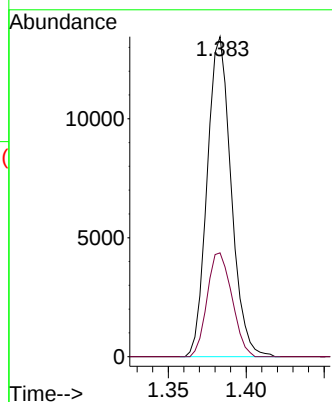
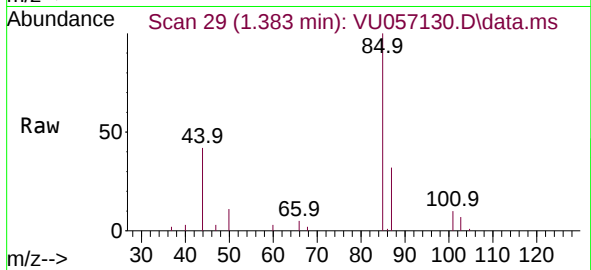




#2
 Dichlorodifluoromethane
 Concen: 0.867 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

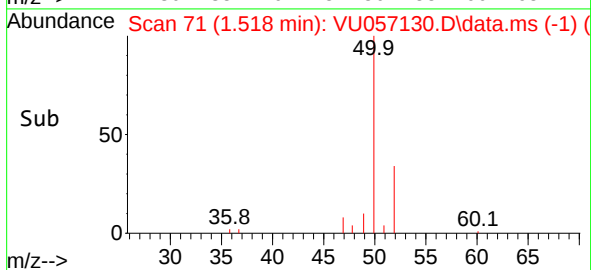
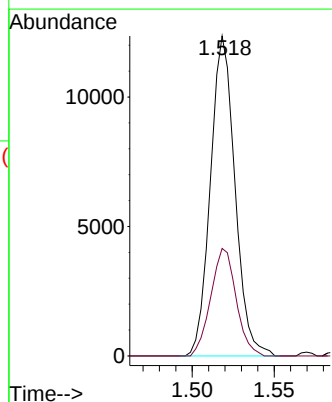
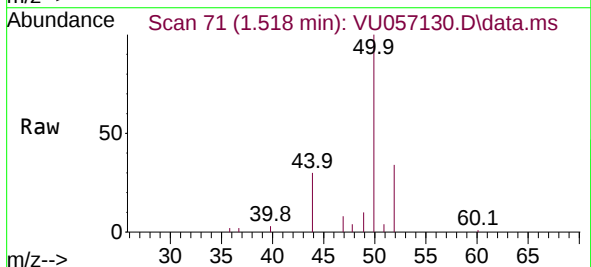
Instrument :
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 ClientSampleId :

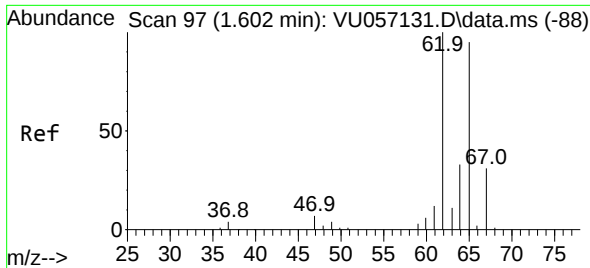
Tgt Ion: 85 Resp: 14367
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.9 38.9



#3
 Chloromethane
 Concen: 0.816 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

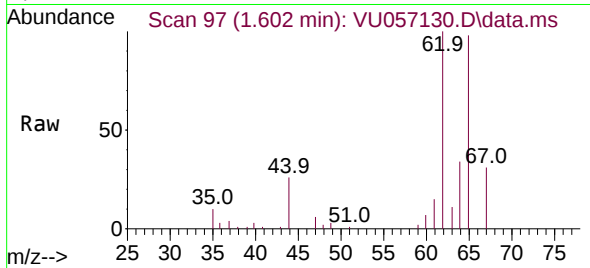
Tgt Ion: 50 Resp: 12841
 Ion Ratio Lower Upper
 50 100
 52 33.6 23.7 44.1



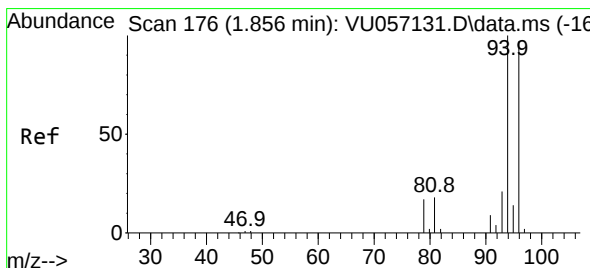
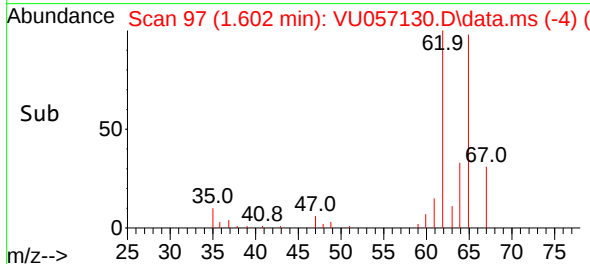
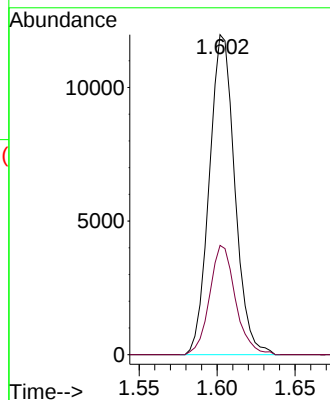


#5
 Vinyl chloride
 Concen: 0.852 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

Instrument :
 MSVOA_U
 ClientSampleId :

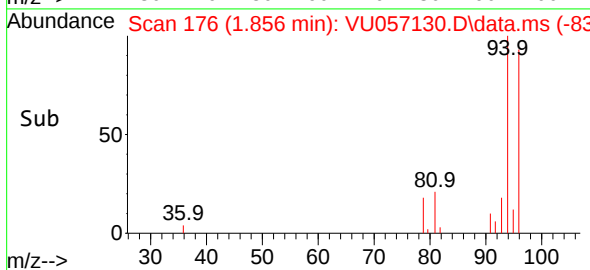
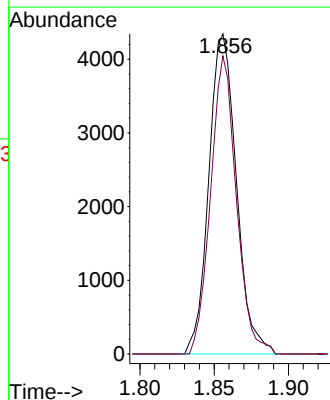
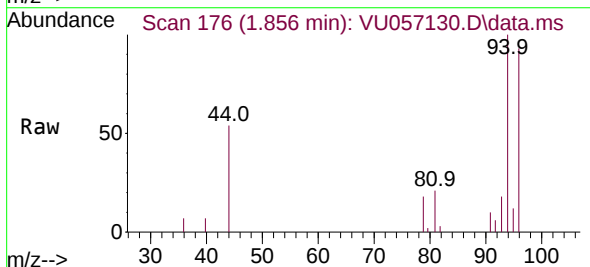


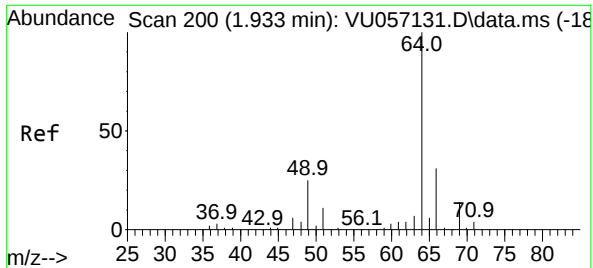
Tgt Ion: 62 Resp: 13620
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.3 43.3



#6
 Bromomethane
 Concen: 0.627 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

Tgt Ion: 94 Resp: 5617
 Ion Ratio Lower Upper
 94 100
 96 93.1 68.2 126.6

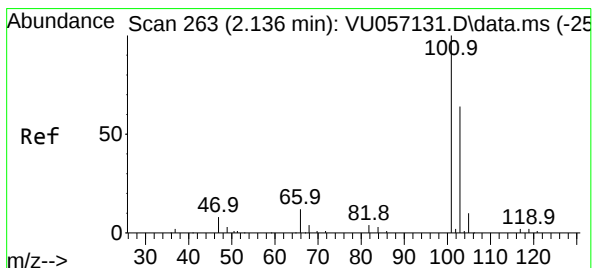
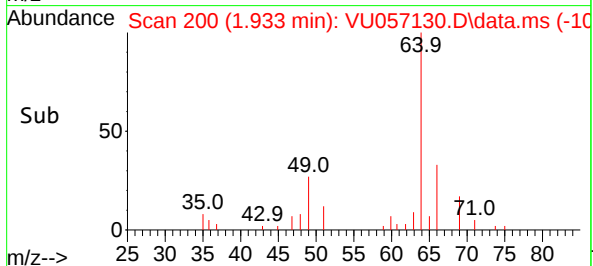
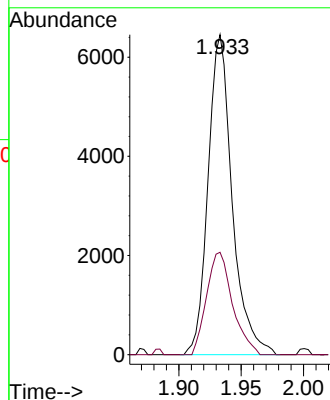
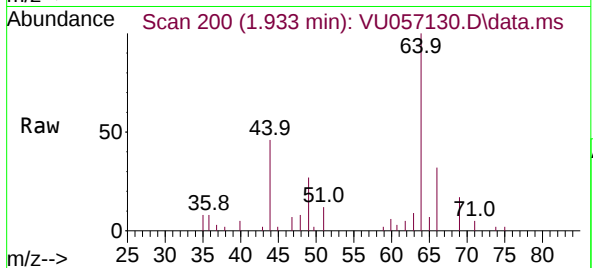




#8
Chloroethane
Concen: 0.918 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU057130.D
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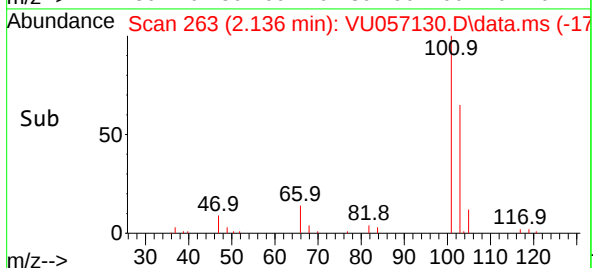
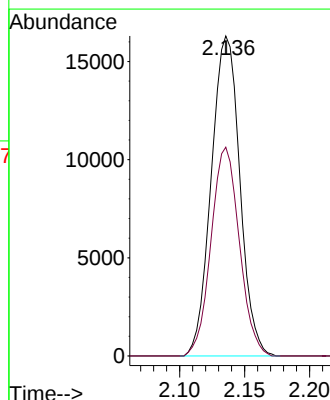
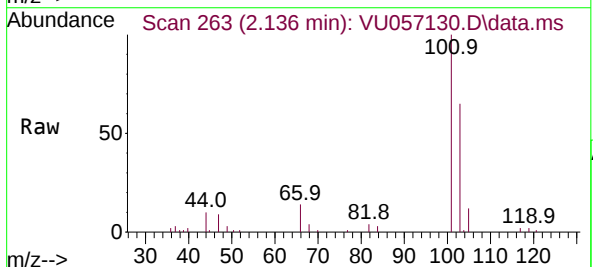
Instrument :
MSVOA_U
ClientSampleId :

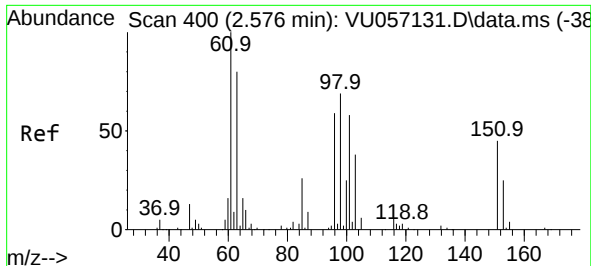
Tgt Ion: 64 Resp: 8693
Ion Ratio Lower Upper
64 100
66 32.0 21.6 40.2



#9
Trichlorofluoromethane
Concen: 1.050 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion:101 Resp: 24939
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

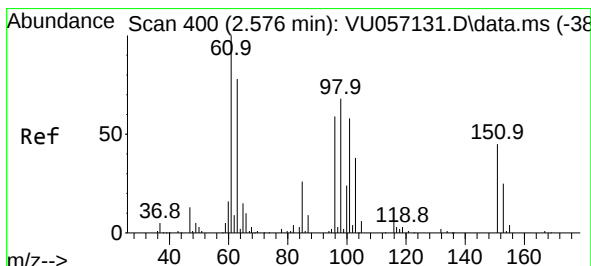
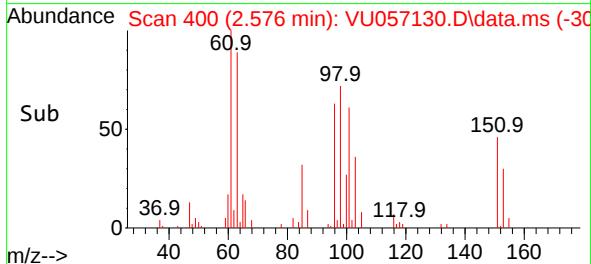
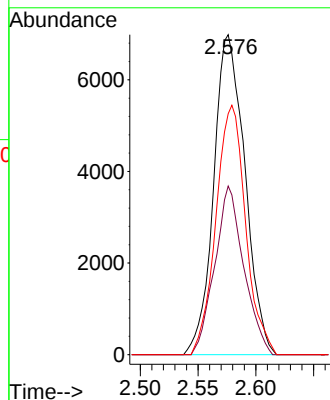
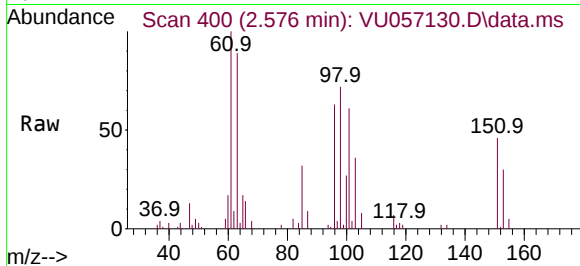




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.935 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

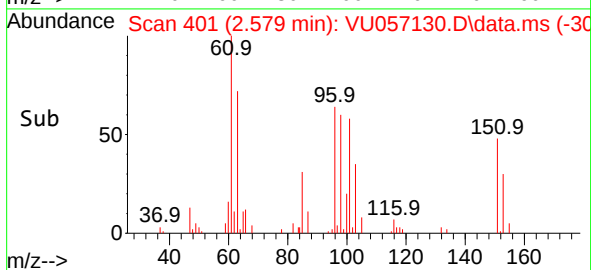
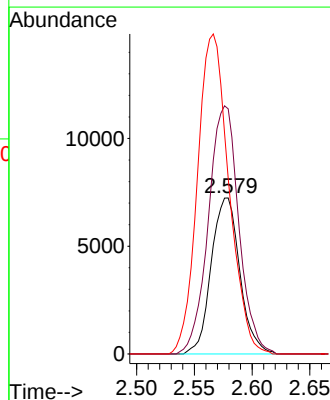
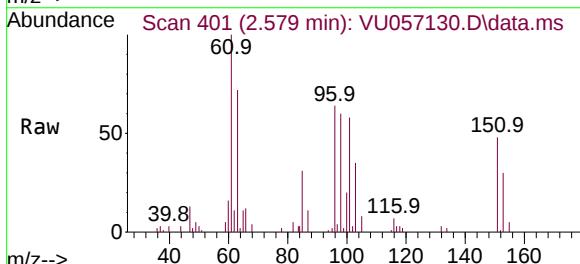
Instrument :
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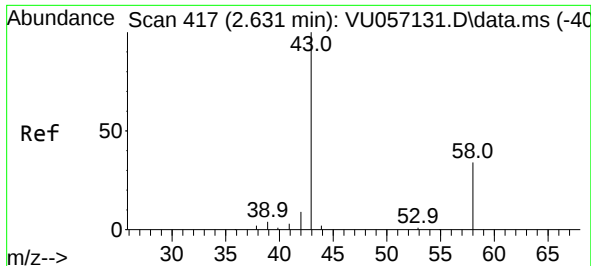
Tgt Ion:	101	Resp:	13133
Ion	Ratio	Lower	Upper
101	100		
85	49.0	35.6	53.4
151	74.2	59.9	89.9



#12
 1,1-Dichloroethene
 Concen: 0.972 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

Tgt Ion:	96	Resp:	12452
Ion	Ratio	Lower	Upper
96	100		
61	147.9	119.6	222.0
63	106.0	96.2	178.8





#13

Acetone

Concen: 8.600 ug/L

RT: 2.634 min Scan# 417

Delta R.T. 0.003 min

Lab File: VU057130.D

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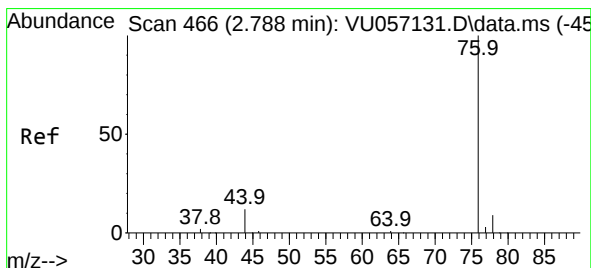
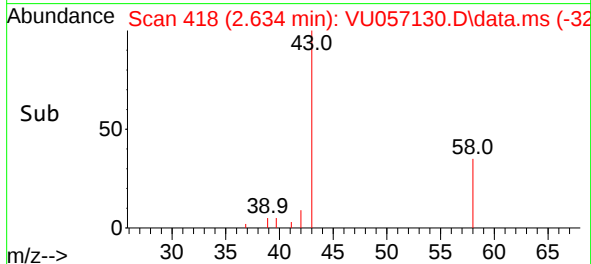
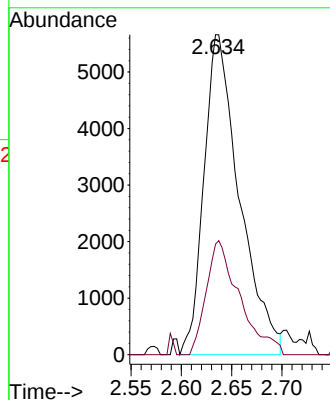
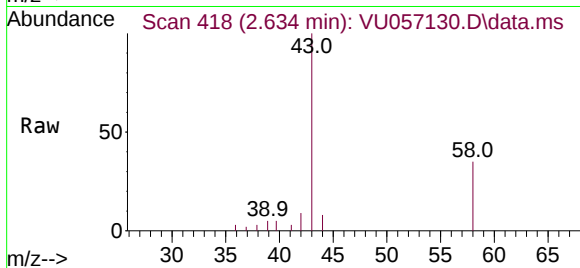
ClientSampleId :

Tgt Ion: 43 Resp: 13929

Ion Ratio Lower Upper

43 100

58 33.5 0.0 70.8



#14

Carbon disulfide

Concen: 0.870 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU057130.D

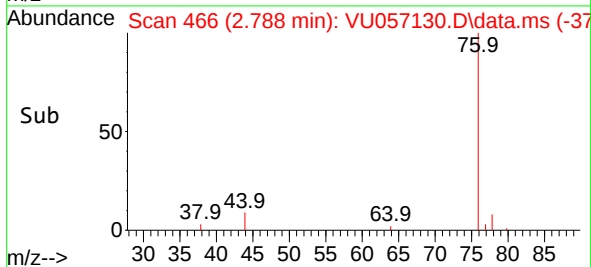
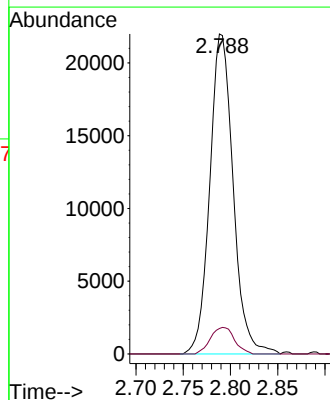
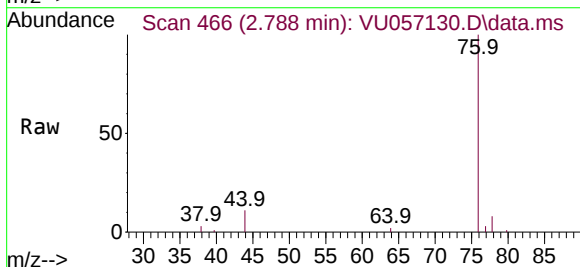
Acq: 21 Dec 2023 11:52

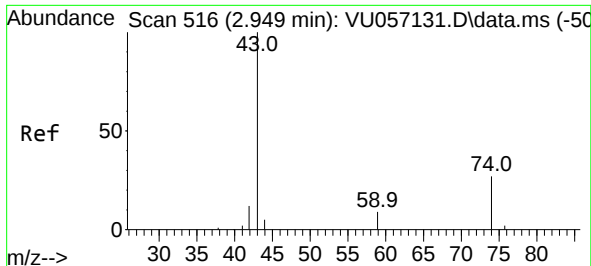
Tgt Ion: 76 Resp: 37801

Ion Ratio Lower Upper

76 100

78 7.9 7.1 10.7

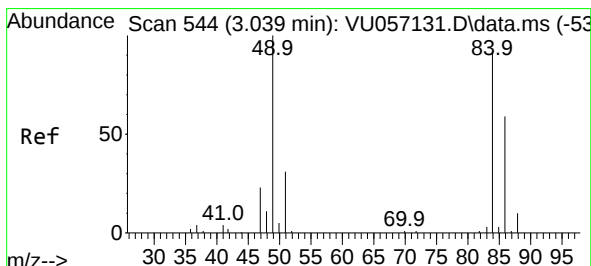
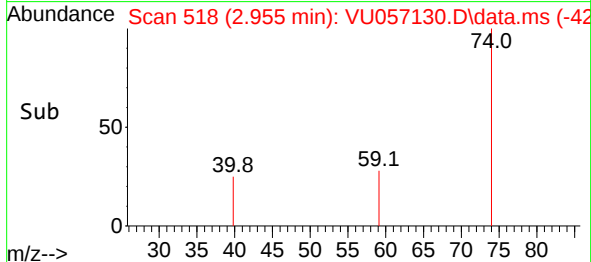
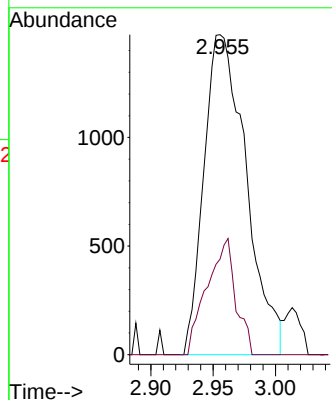
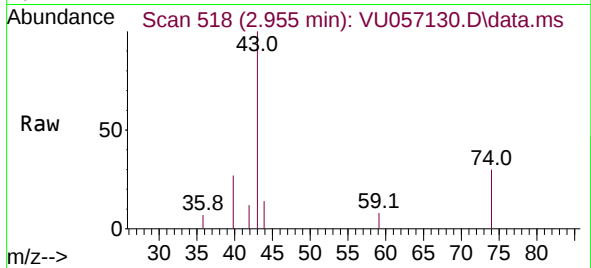




#15
Methyl Acetate
Concen: 0.805 ug/L
RT: 2.955 min Scan# 516
Delta R.T. 0.006 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

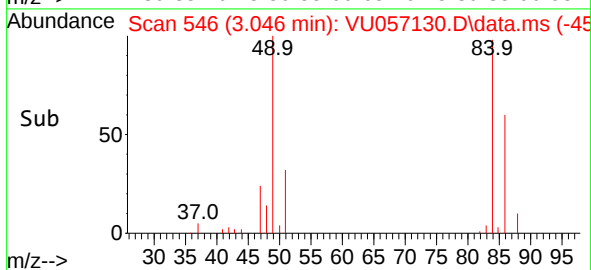
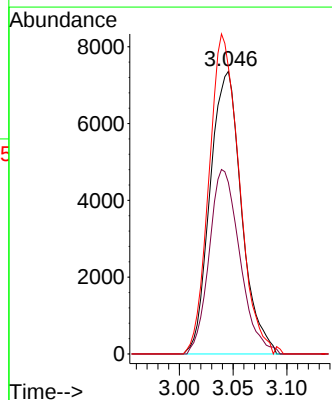
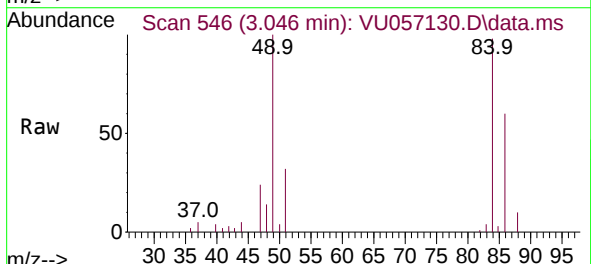
Instrument :
MSVOA_U
ClientSampleId :

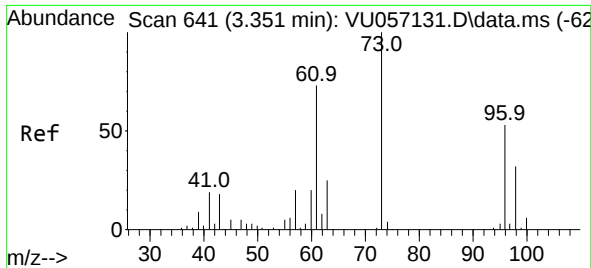
Tgt Ion: 43 Resp: 3472
Ion Ratio Lower Upper
43 100
74 24.7 22.8 34.2



#16
Methylene chloride
Concen: 1.071 ug/L
RT: 3.046 min Scan# 546
Delta R.T. 0.006 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion: 84 Resp: 14939
Ion Ratio Lower Upper
84 100
86 60.7 44.7 82.9
49 101.6 76.0 141.2

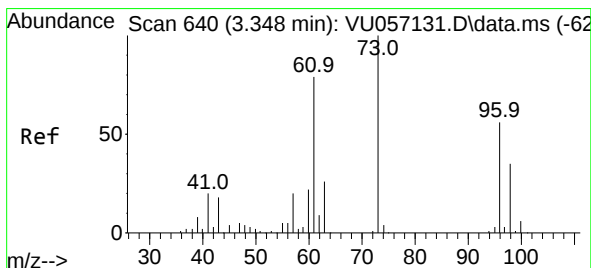
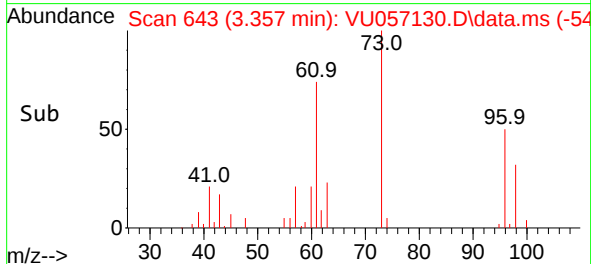
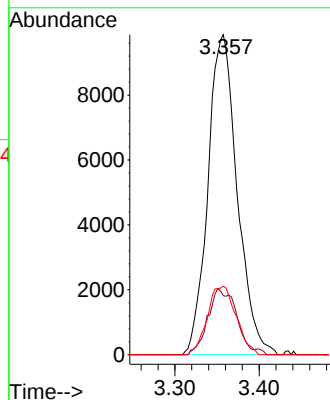
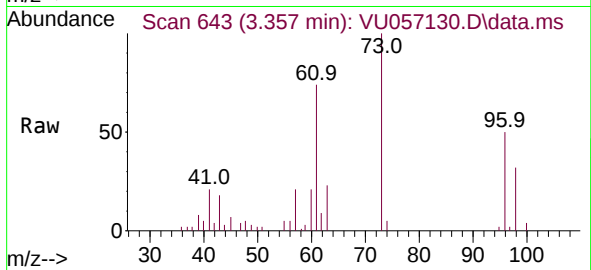




#17
Methyl tert-butyl Ether
Concen: 0.843 ug/L
RT: 3.357 min Scan# 641
Delta R.T. 0.006 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

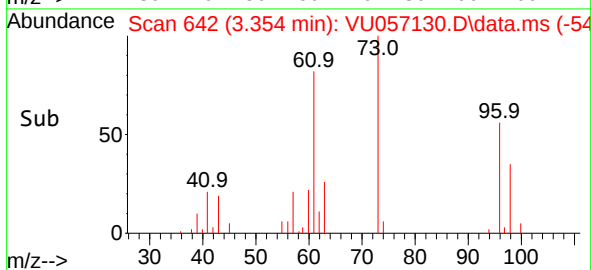
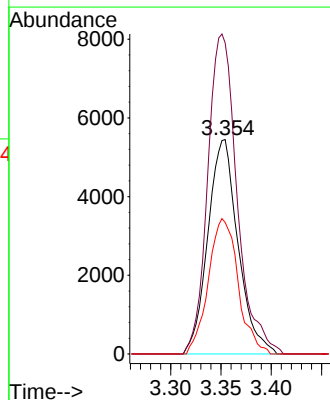
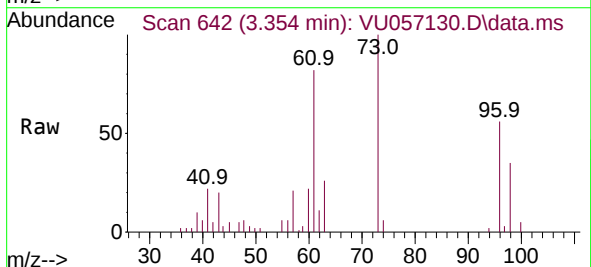
Instrument :
MSVOA_U
ClientSampleId :

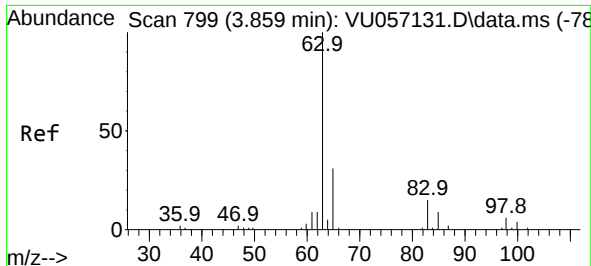
Tgt Ion: 73 Resp: 23842
Ion Ratio Lower Upper
73 100
43 20.4 15.4 23.0
57 21.0 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 0.877 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion: 96 Resp: 11380
Ion Ratio Lower Upper
96 100
61 145.1 98.4 182.8
98 61.4 43.6 81.0





#19

1,1-Dichloroethane

Concen: 0.893 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

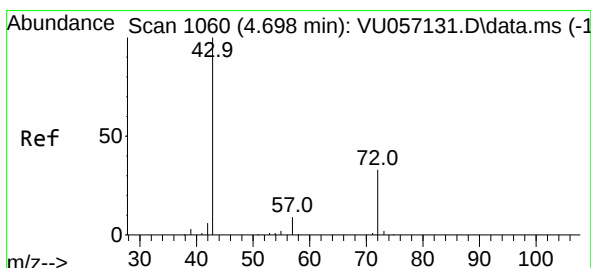
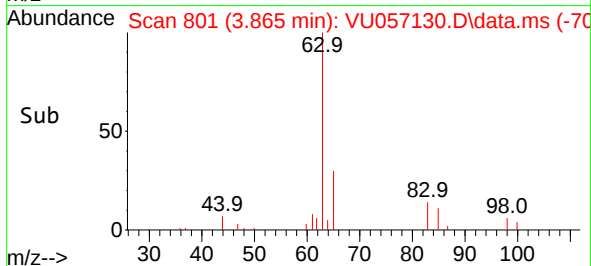
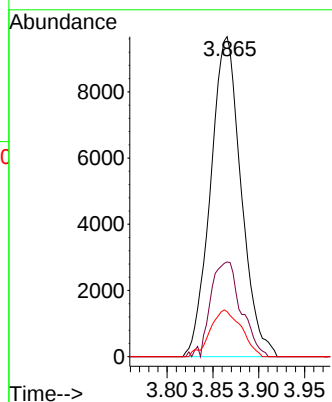
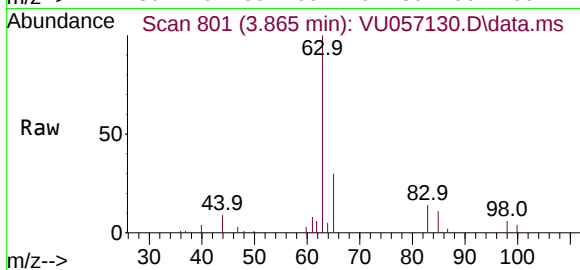
Tgt Ion: 63 Resp: 22398

Ion Ratio Lower Upper

63 100

65 29.6 21.6 40.2

83 14.1 10.2 19.0



#21

2-Butanone

Concen: 7.098 ug/L

RT: 4.717 min Scan# 1066

Delta R.T. 0.019 min

Lab File: VU057130.D

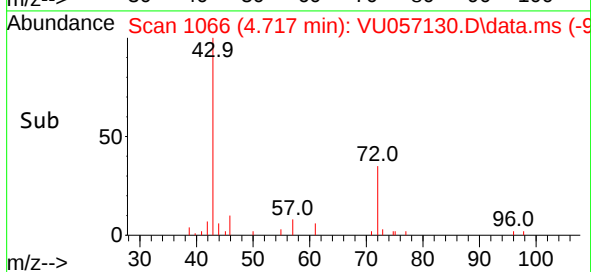
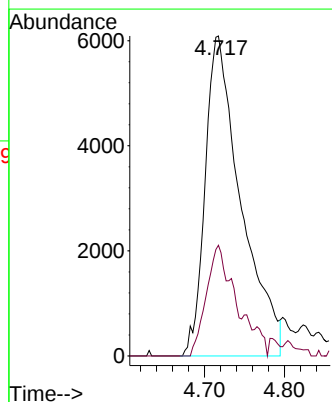
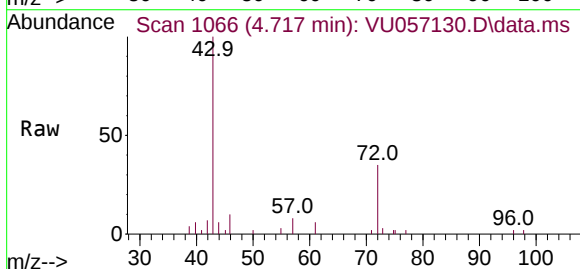
Acq: 21 Dec 2023 11:52

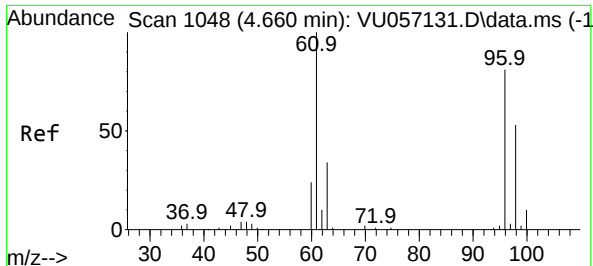
Tgt Ion: 43 Resp: 18953

Ion Ratio Lower Upper

43 100

72 24.5 16.3 48.8





#22

cis-1,2-Dichloroethene

Concen: 0.878 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

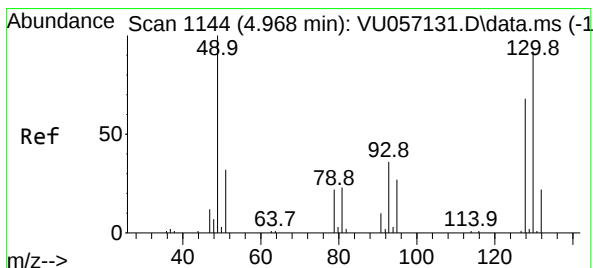
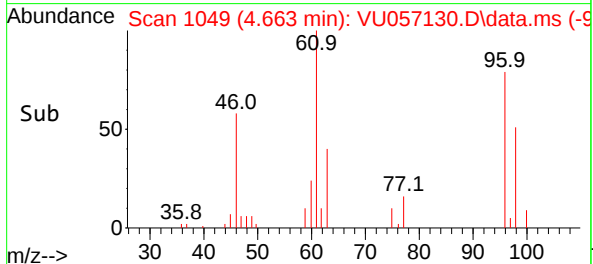
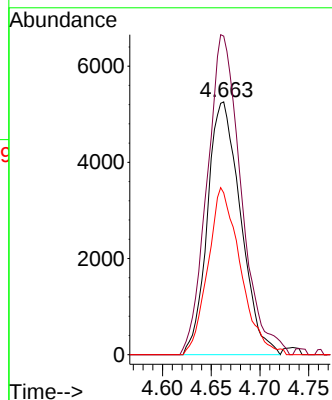
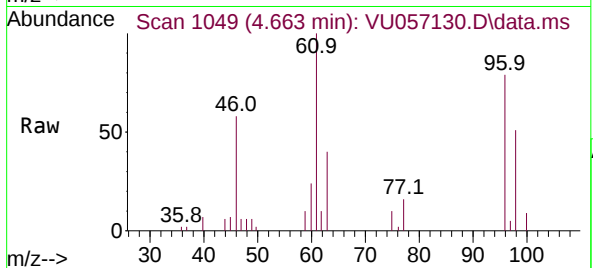
Tgt Ion: 96 Resp: 12438

Ion Ratio Lower Upper

96 100

61 126.0 86.8 161.2

98 63.9 45.5 84.5



#23

Bromochloromethane

Concen: 0.943 ug/L

RT: 4.971 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Tgt Ion: 128 Resp: 5551

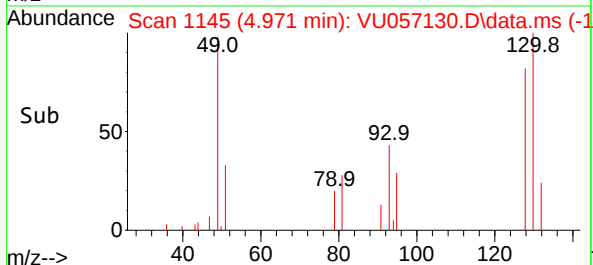
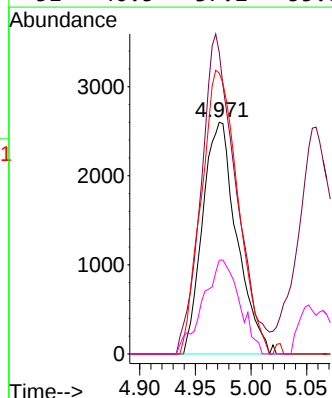
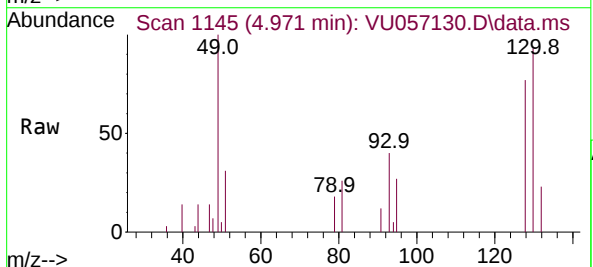
Ion Ratio Lower Upper

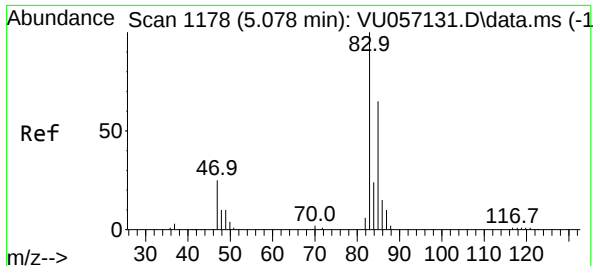
128 100

49 130.2 102.7 190.7

130 121.2 94.7 175.9

51 40.5 37.2 55.8





#25

Chloroform

Concen: 0.952 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

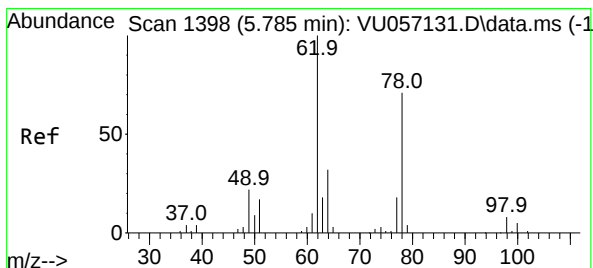
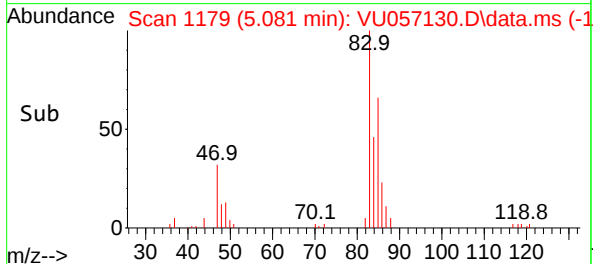
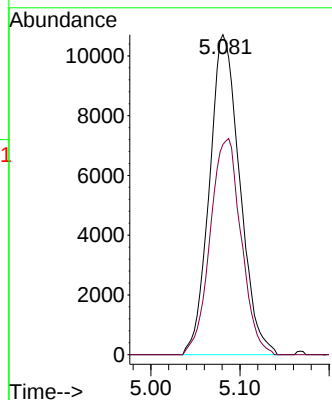
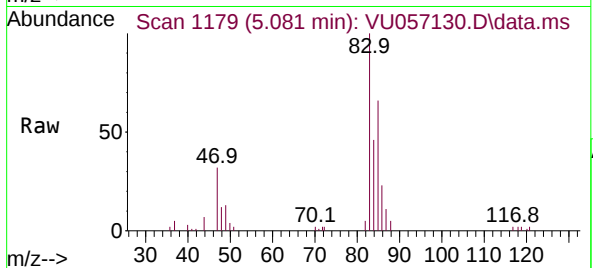
ClientSampleId :

Tgt Ion: 83 Resp: 25313

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.950 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VU057130.D

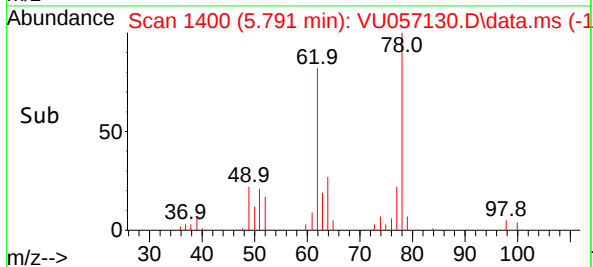
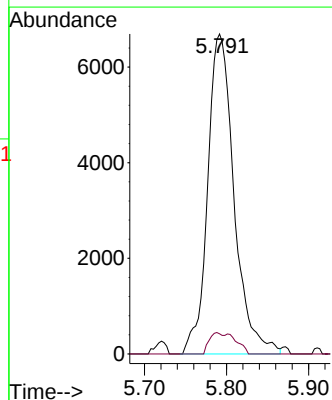
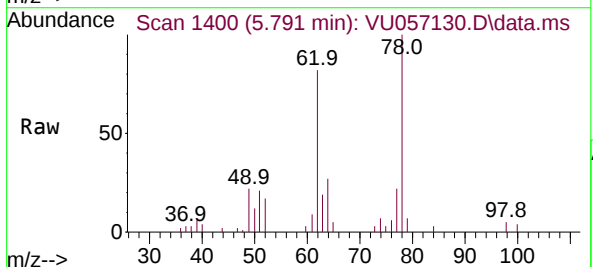
Acq: 21 Dec 2023 11:52

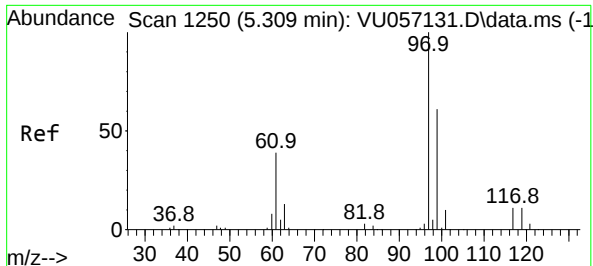
Tgt Ion: 62 Resp: 14992

Ion Ratio Lower Upper

62 100

98 6.3 6.3 9.5#

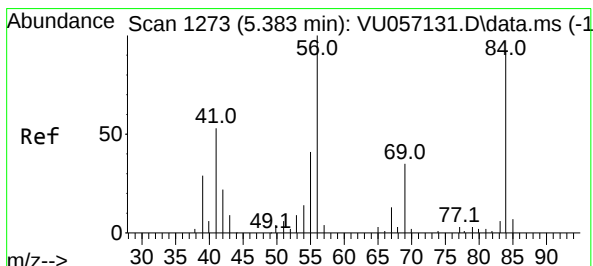
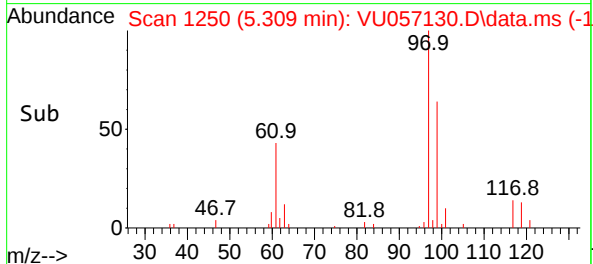
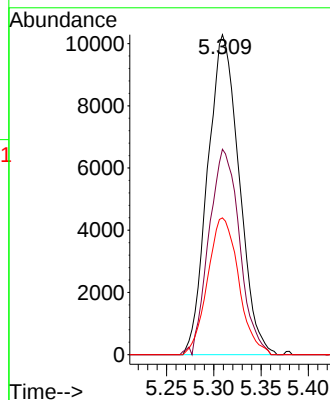
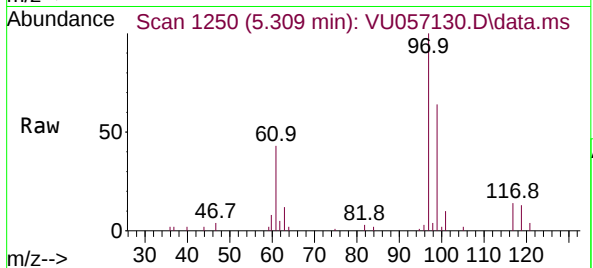




#29
1,1,1-Trichloroethane
Concen: 1.007 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

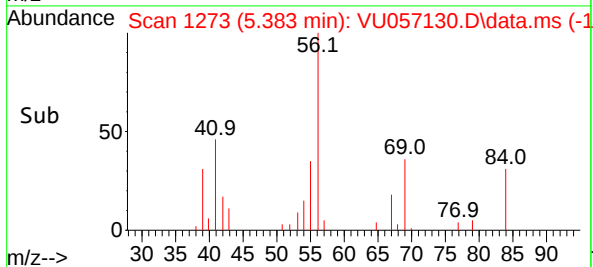
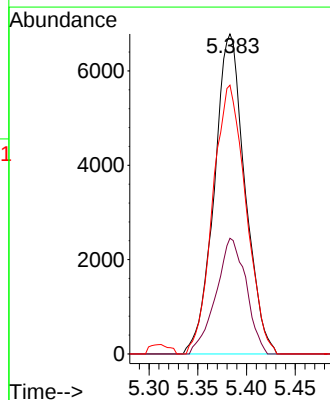
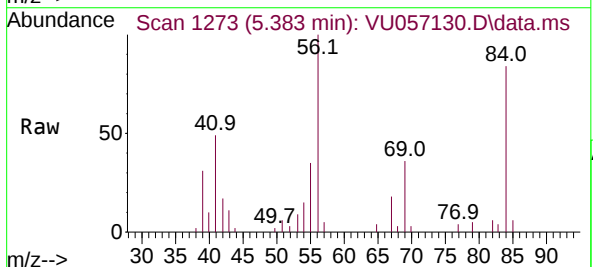
Instrument :
MSVOA_U
ClientSampleId :

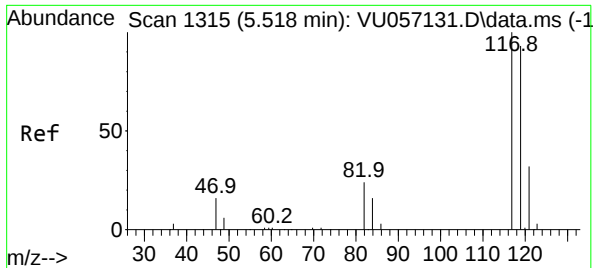
Tgt Ion: 97	Resp: 23805
Ion Ratio	Lower Upper
97 100	
99 62.4	51.2 76.8
61 42.2	32.5 48.7



#30
Cyclohexane
Concen: 0.716 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion: 56	Resp: 14892
Ion Ratio	Lower Upper
56 100	
69 35.5	26.7 40.1
84 90.4	74.9 112.3

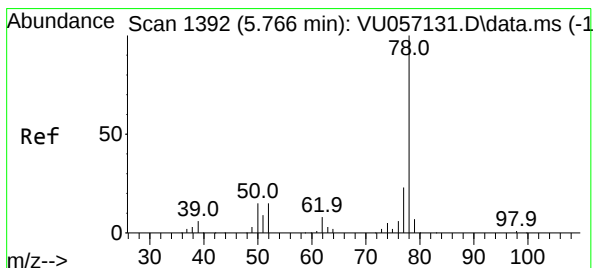
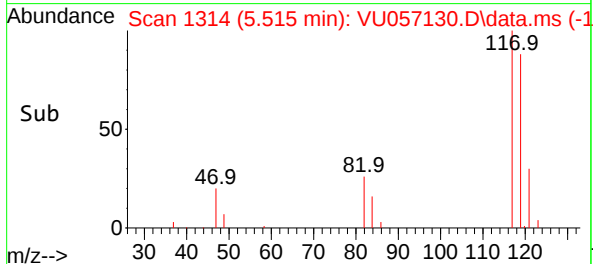
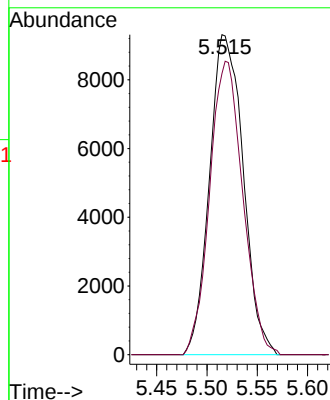
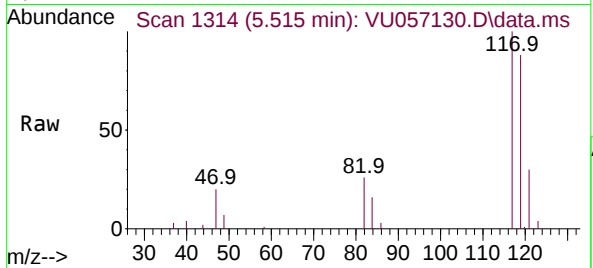




#31
Carbon tetrachloride
Concen: 1.051 ug/L
RT: 5.515 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

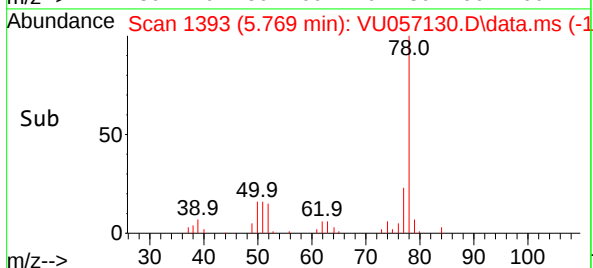
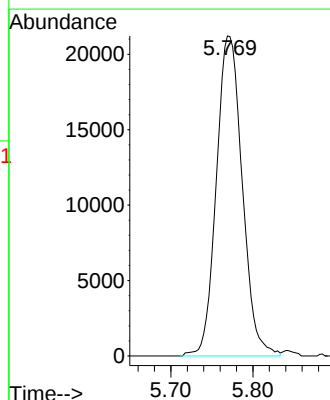
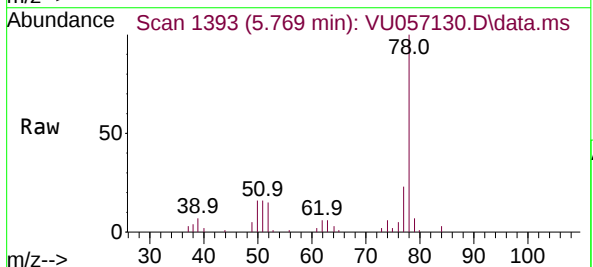
Instrument :
MSVOA_U
ClientSampleId :

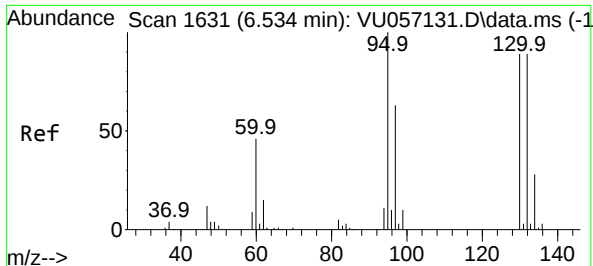
Tgt Ion:117 Resp: 21637
Ion Ratio Lower Upper
117 100
119 90.2 75.1 112.7



#33
Benzene
Concen: 0.847 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion: 78 Resp: 46625

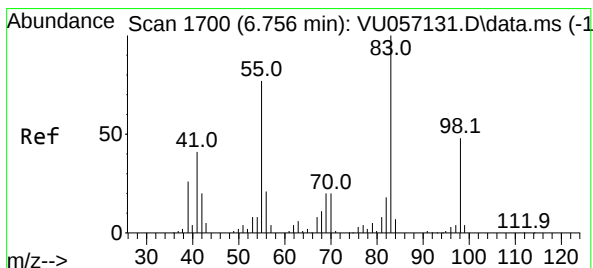
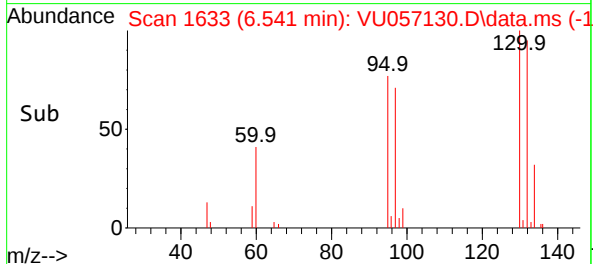
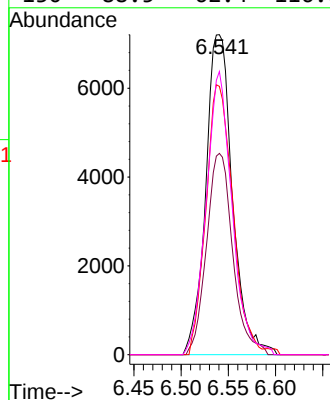
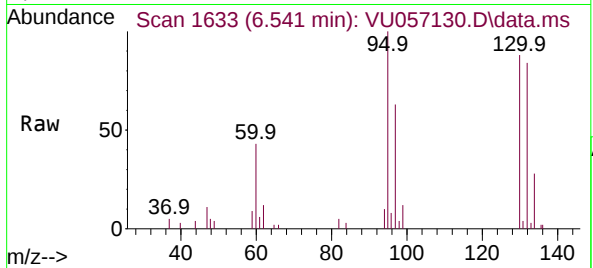




#34
Trichloroethene
Concen: 0.930 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

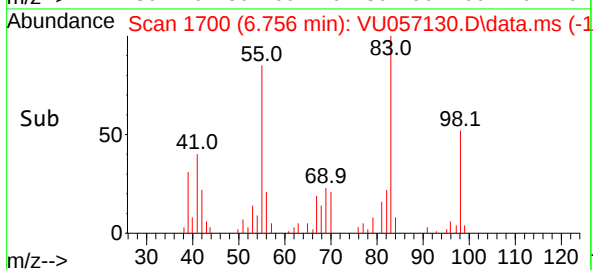
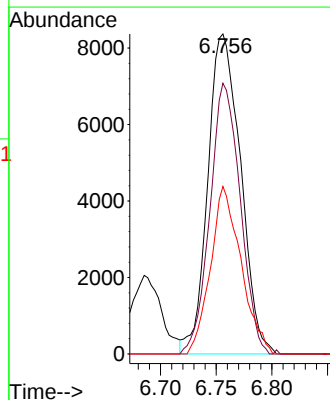
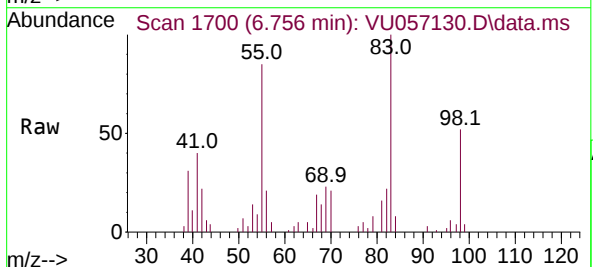
Instrument :
MSVOA_U
ClientSampleId :

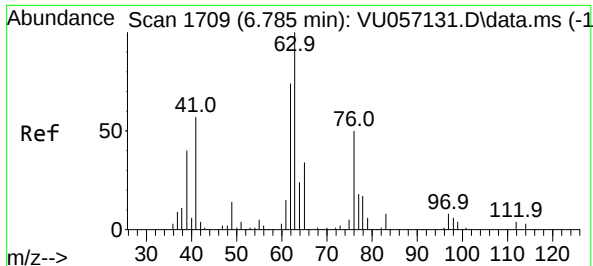
Tgt Ion: 95 Resp: 14168
Ion Ratio Lower Upper
95 100
97 62.9 44.3 82.3
132 83.9 62.6 116.2
130 88.5 62.4 116.0



#35
Methylcyclohexane
Concen: 0.769 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion: 83 Resp: 17130
Ion Ratio Lower Upper
83 100
55 78.3 61.3 91.9
98 48.6 36.6 55.0





#37

1,2-Dichloropropane

Concen: 0.855 ug/L

RT: 6.785 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

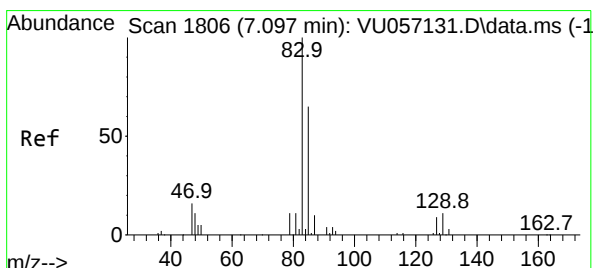
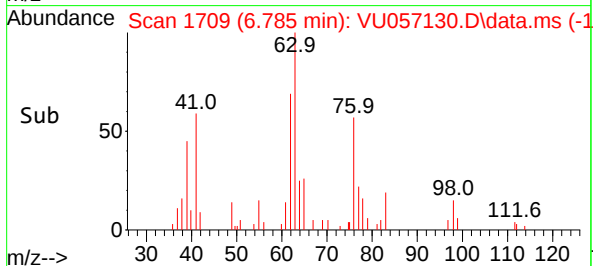
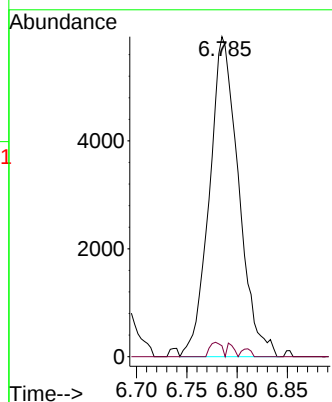
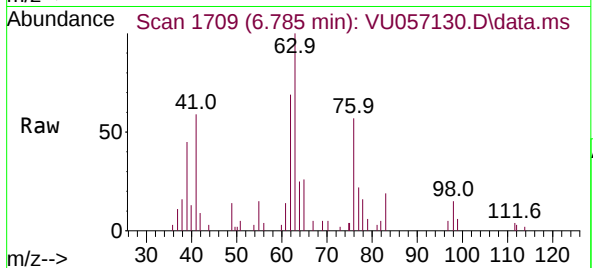
ClientSampleId :

Tgt Ion: 63 Resp: 11988

Ion Ratio Lower Upper

63 100

112 0.9 3.1 4.7#



#38

Bromodichloromethane

Concen: 0.922 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

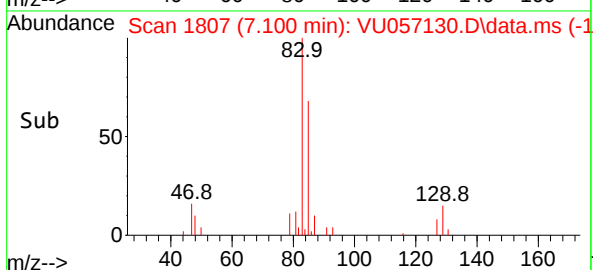
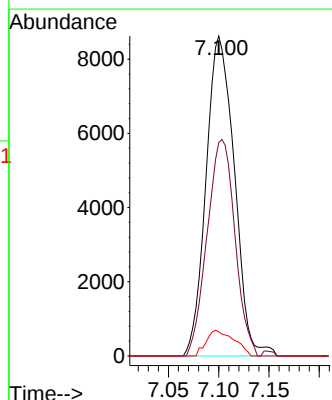
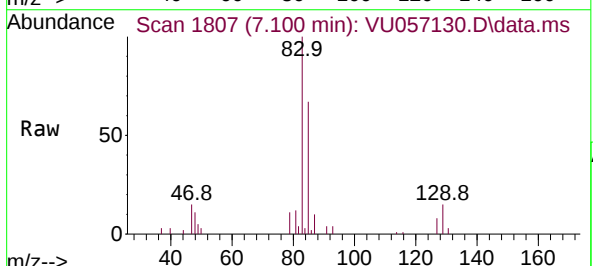
Tgt Ion: 83 Resp: 16883

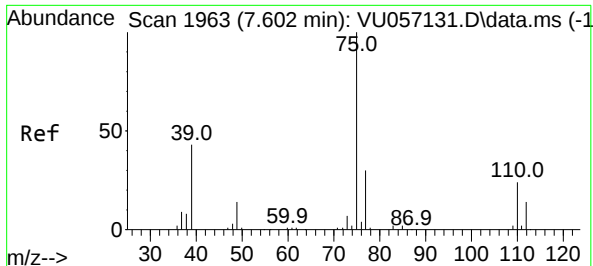
Ion Ratio Lower Upper

83 100

85 66.7 45.8 85.0

127 7.6 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 0.874 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

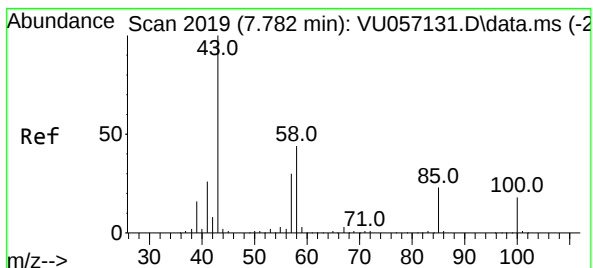
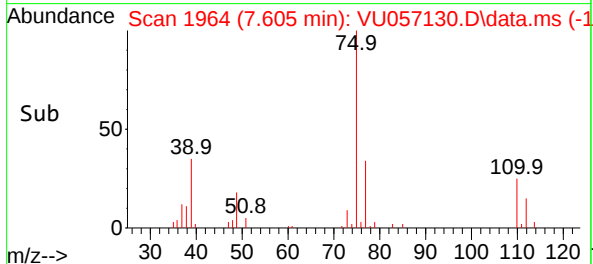
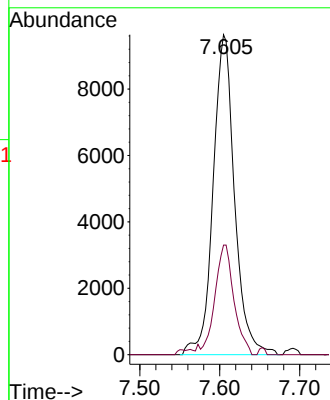
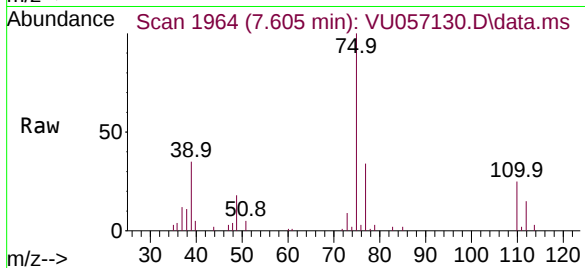
ClientSampleId :

Tgt Ion: 75 Resp: 17902

Ion Ratio Lower Upper

75 100

77 34.2 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 7.224 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.006 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

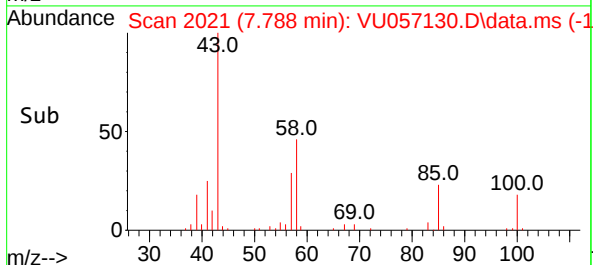
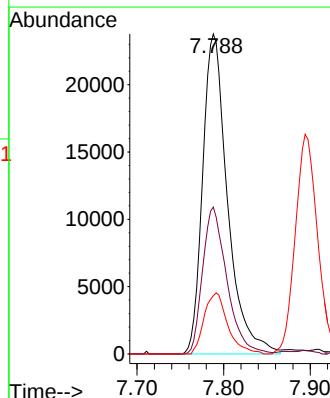
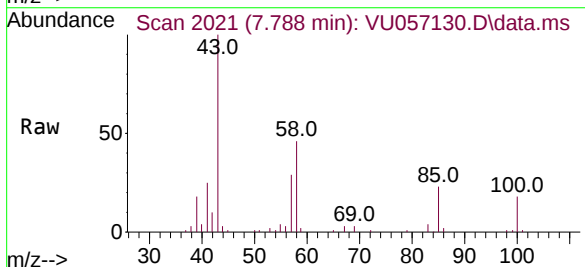
Tgt Ion: 43 Resp: 47511

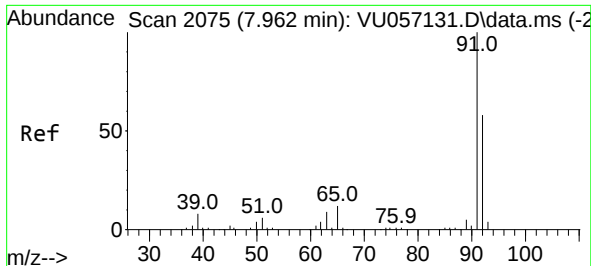
Ion Ratio Lower Upper

43 100

58 44.6 34.8 52.2

100 18.1 14.6 21.8





#42

Toluene

Concen: 0.822 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

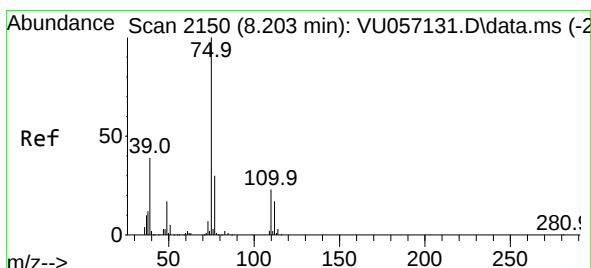
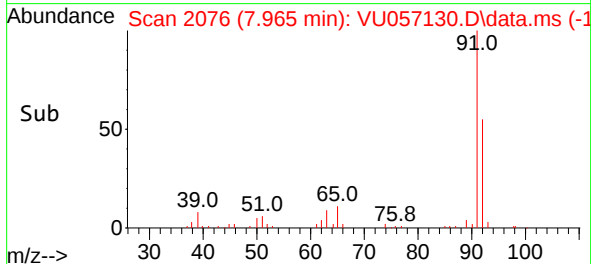
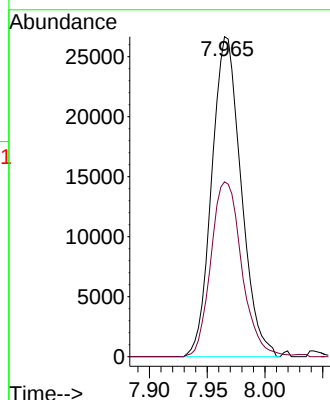
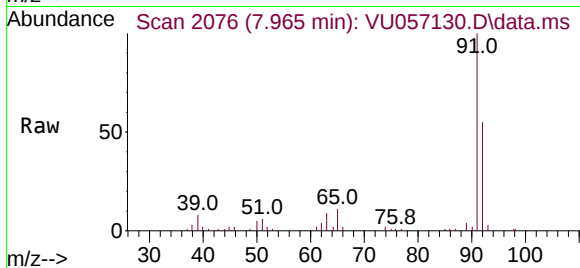
ClientSampleId :

Tgt Ion: 91 Resp: 47208

Ion Ratio Lower Upper

91 100

92 54.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.831 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU057130.D

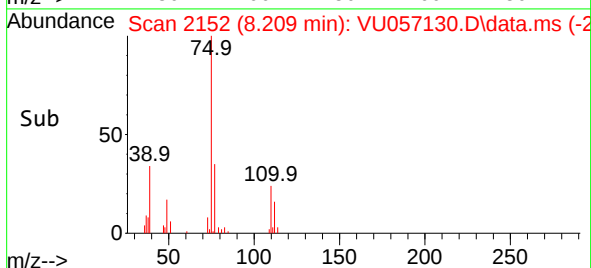
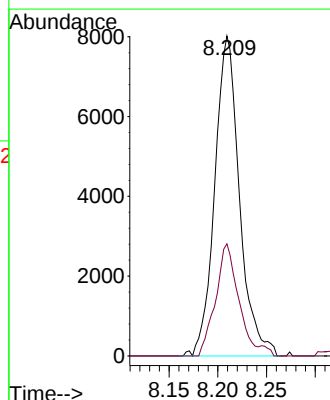
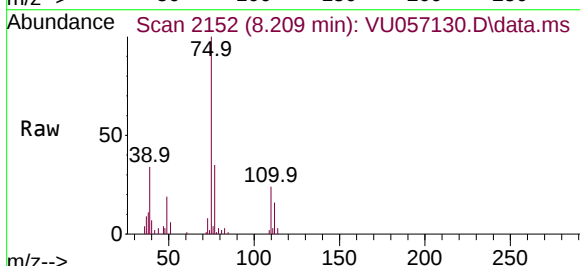
Acq: 21 Dec 2023 11:52

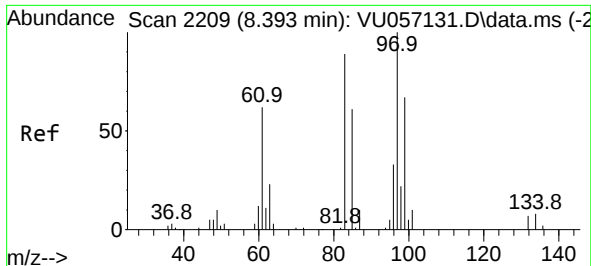
Tgt Ion: 75 Resp: 14139

Ion Ratio Lower Upper

75 100

77 35.1 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 0.852 ug/L

RT: 8.396 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 8075

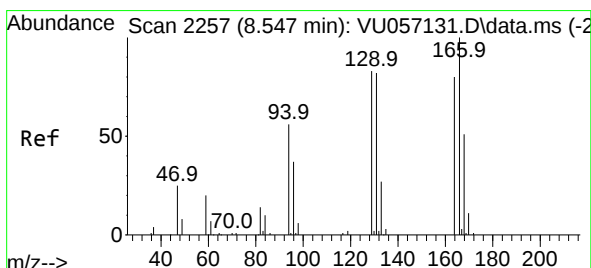
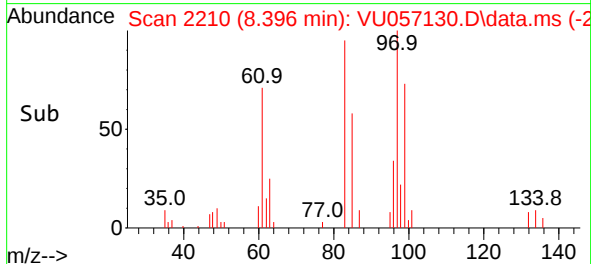
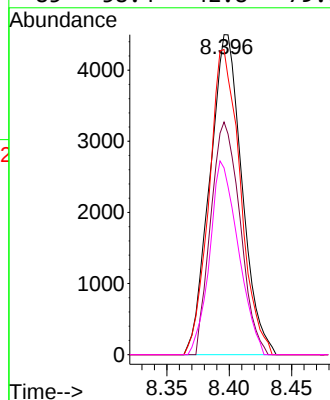
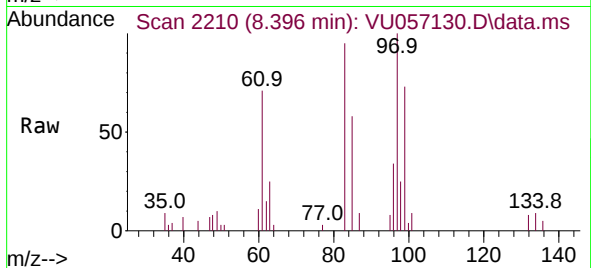
Ion Ratio Lower Upper

97 100

99 72.7 47.0 87.2

83 95.3 62.1 115.3

85 58.4 42.8 79.6



#47

Tetrachloroethene

Concen: 0.946 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Tgt Ion:164 Resp: 10180

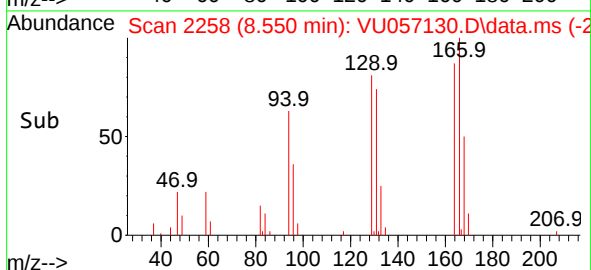
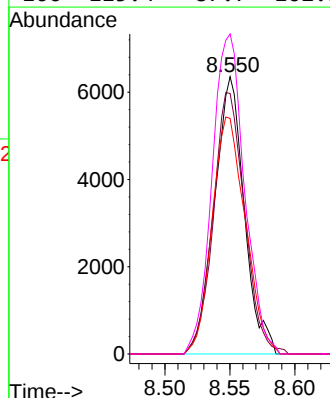
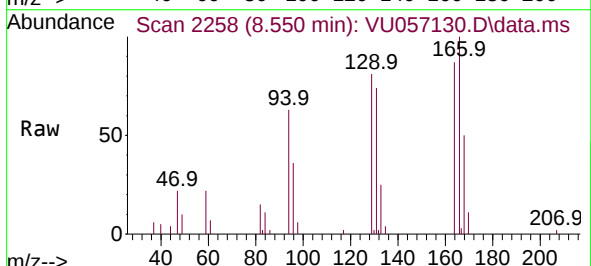
Ion Ratio Lower Upper

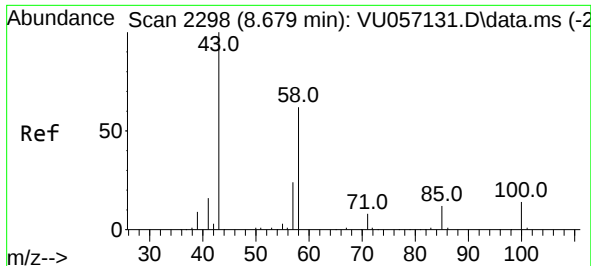
164 100

129 93.9 72.9 135.3

131 84.9 71.7 133.3

166 115.4 87.7 162.9

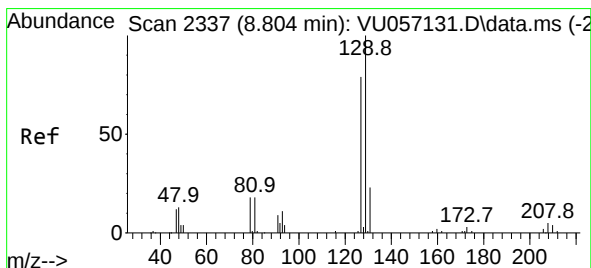
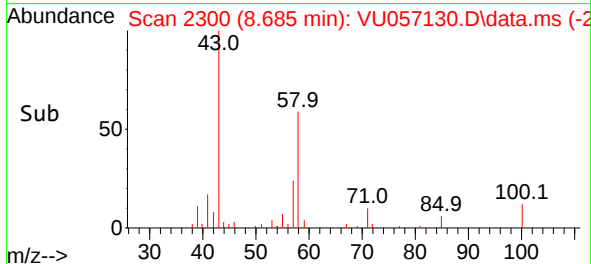
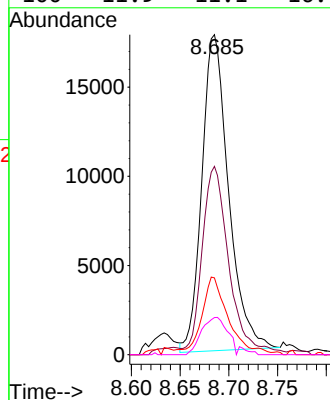
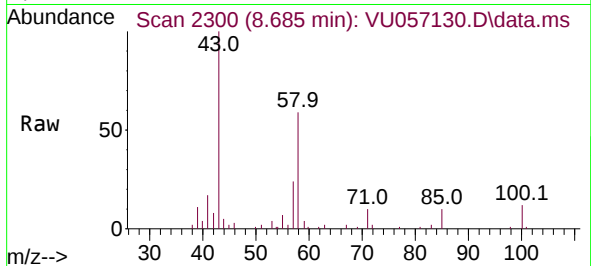




#48
2-Hexanone
Concen: 7.191 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

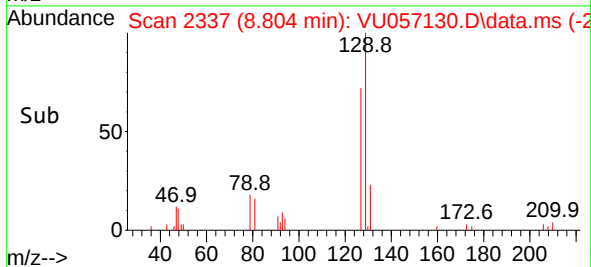
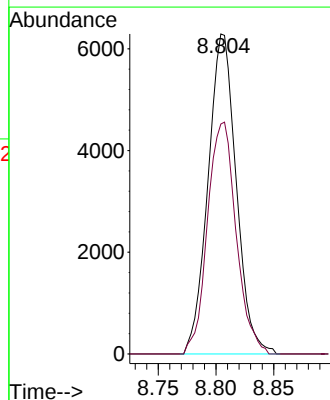
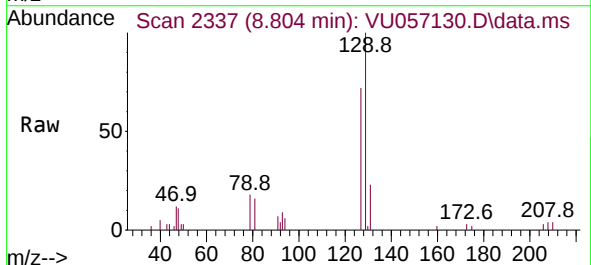
Instrument :
MSVOA_U
ClientSampleId :

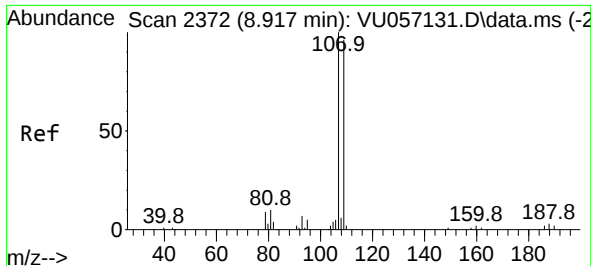
Tgt Ion: 43 Resp: 33842
Ion Ratio Lower Upper
43 100
58 57.9 49.8 74.8
57 23.1 18.5 27.7
100 11.9 11.1 16.7



#49
Dibromochloromethane
Concen: 0.958 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion: 129 Resp: 10686
Ion Ratio Lower Upper
129 100
127 71.9 55.2 102.6





#50

1,2-Dibromoethane

Concen: 0.906 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU057130.D

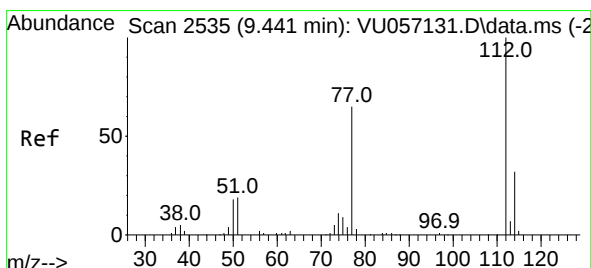
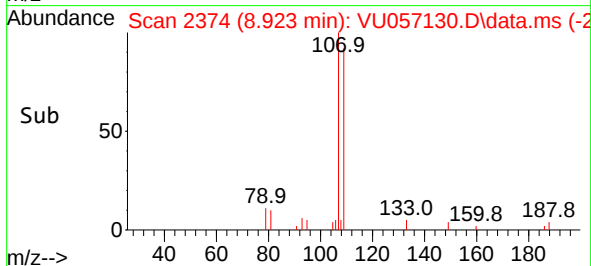
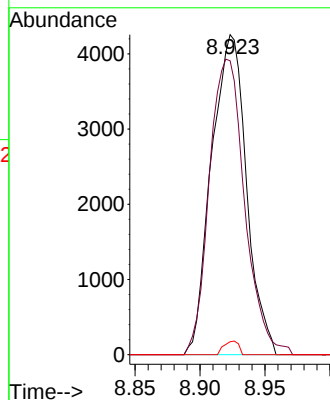
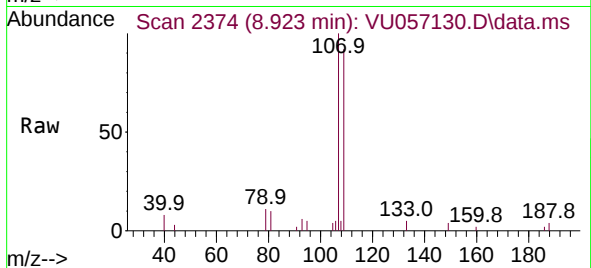
Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:107	Resp:	7972
Ion Ratio	Lower	Upper
107	100	
109	91.9	66.8 124.2
188	4.1	2.6 4.0#



#51

Chlorobenzene

Concen: 0.918 ug/L

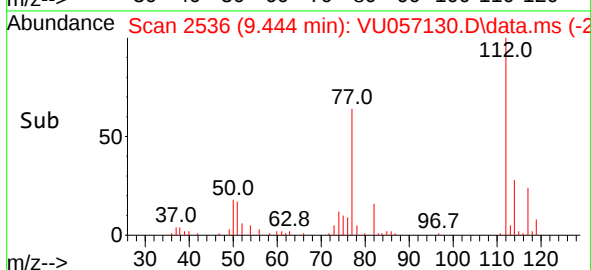
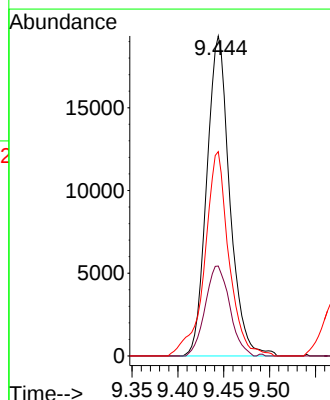
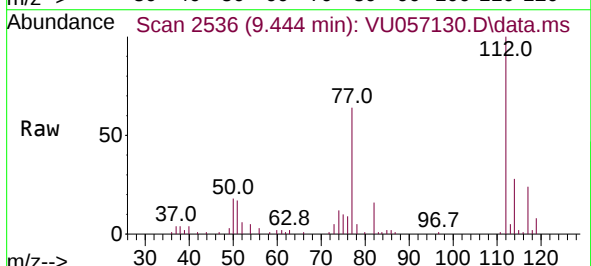
RT: 9.444 min Scan# 2536

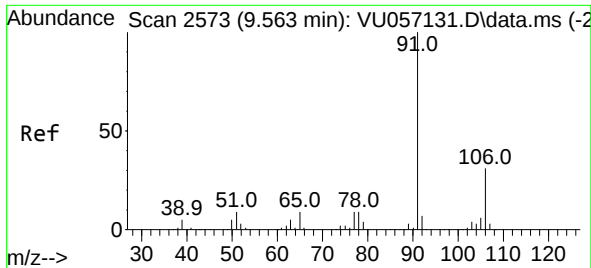
Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Tgt Ion:112	Resp:	33635
Ion Ratio	Lower	Upper
112	100	
114	28.1	22.7 42.1
77	63.8	52.2 78.2

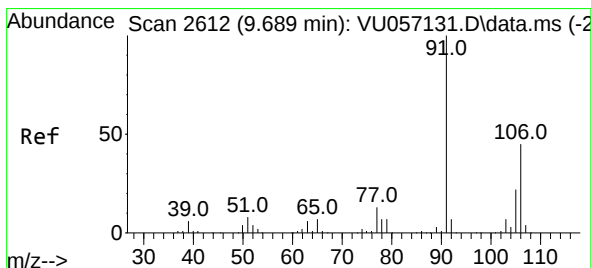
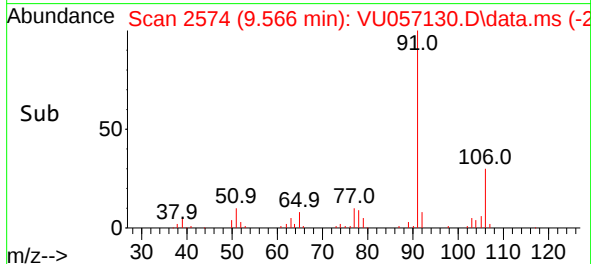
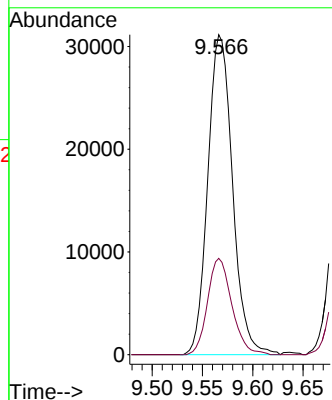
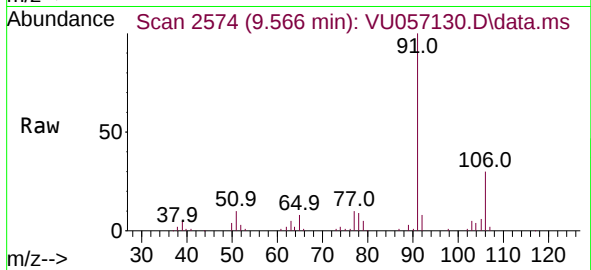




#52
Ethylbenzene
Concen: 0.840 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

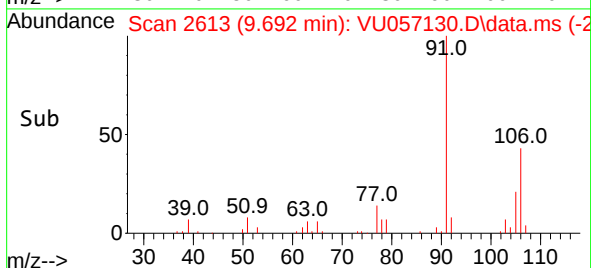
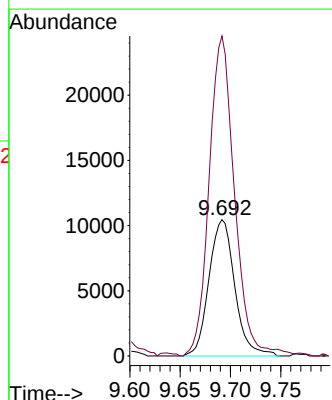
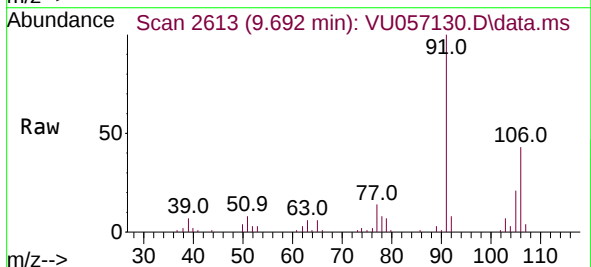
Instrument :
MSVOA_U
ClientSampleId :

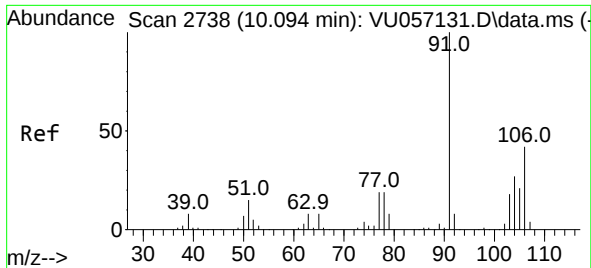
Tgt Ion: 91 Resp: 53207
Ion Ratio Lower Upper
91 100
106 30.1 21.6 40.2



#53
m,p-Xylene
Concen: 0.790 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion:106 Resp: 18671
Ion Ratio Lower Upper
106 100
91 234.8 154.5 286.9

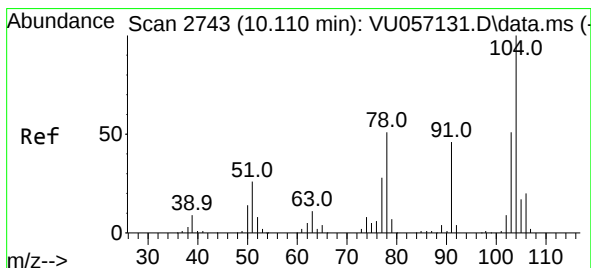
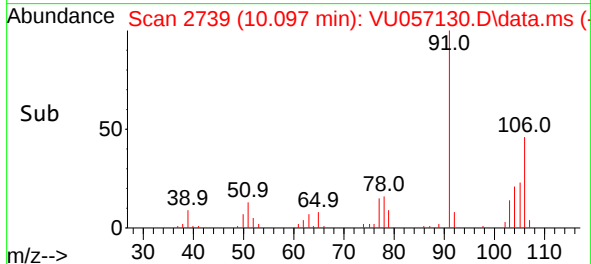
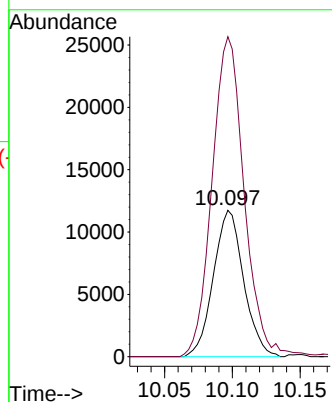
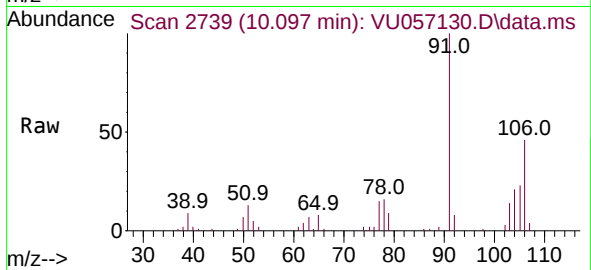




#54
o-Xylene
Concen: 0.808 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

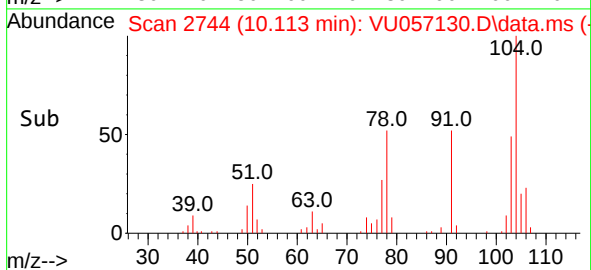
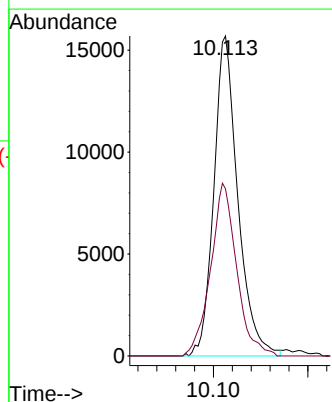
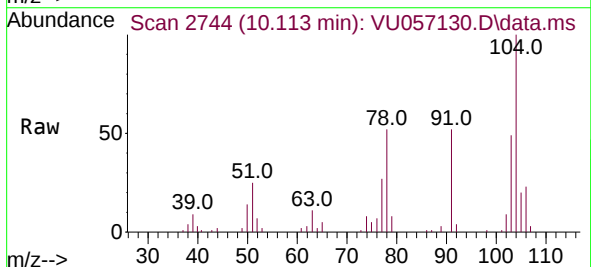
Instrument :
MSVOA_U
ClientSampleId :

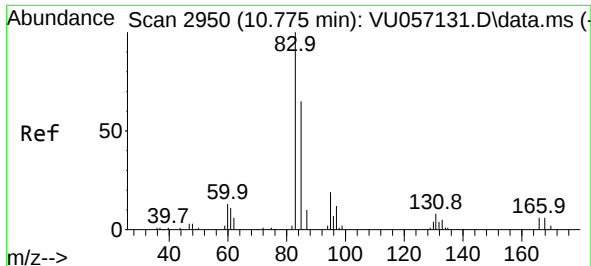
Tgt Ion:106 Resp: 18198
Ion Ratio Lower Upper
106 100
91 218.7 165.4 307.2



#55
Styrene
Concen: 0.748 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion:104 Resp: 27674
Ion Ratio Lower Upper
104 100
78 52.3 35.8 66.6





#57

1,1,2,2-Tetrachloroethane

Concen: 0.841 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

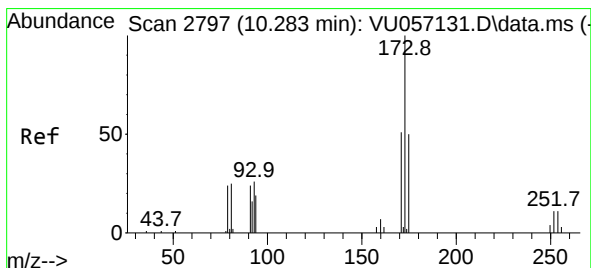
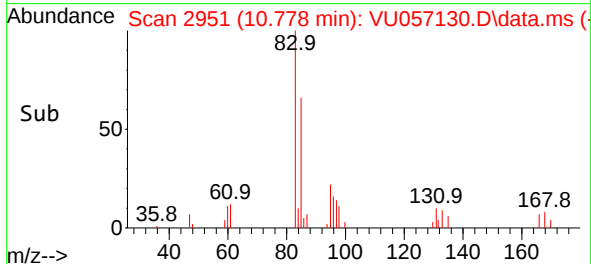
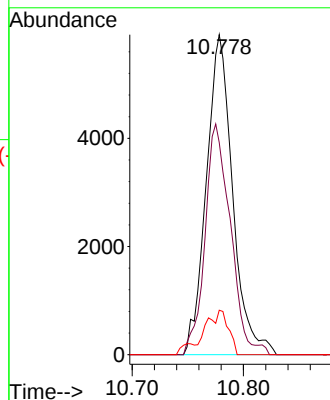
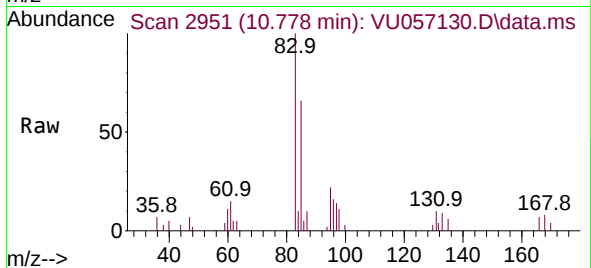
Tgt Ion: 83 Resp: 9724

Ion Ratio Lower Upper

83 100

85 66.3 45.8 85.2

131 13.9 7.0 10.6#



#59

Bromoform

Concen: 0.902 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

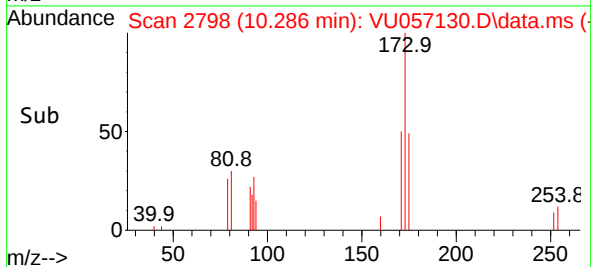
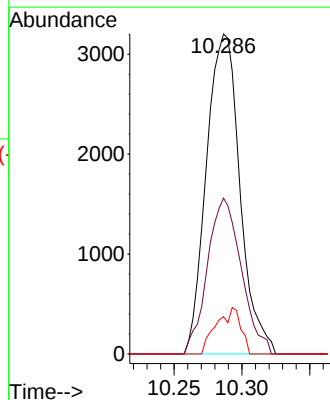
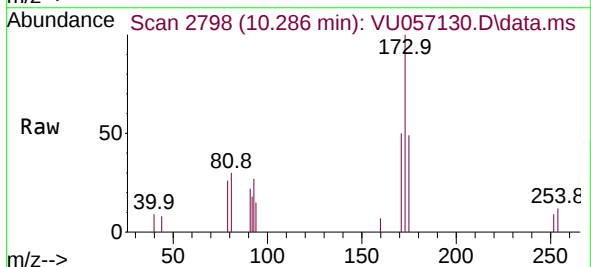
Tgt Ion:173 Resp: 5509

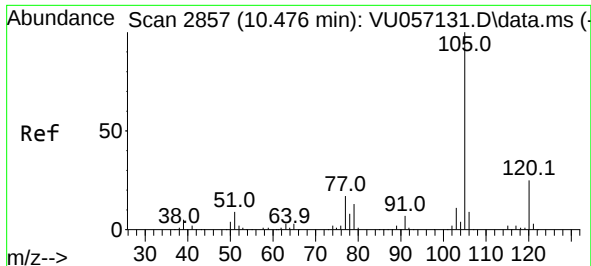
Ion Ratio Lower Upper

173 100

175 49.2 40.5 60.7

254 10.5 8.1 12.1

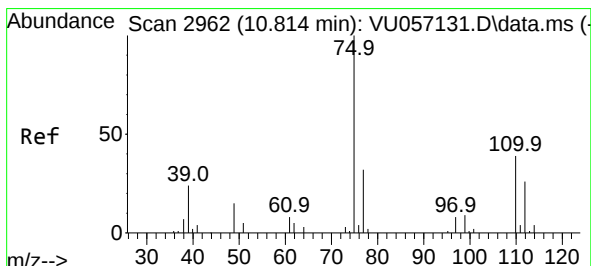
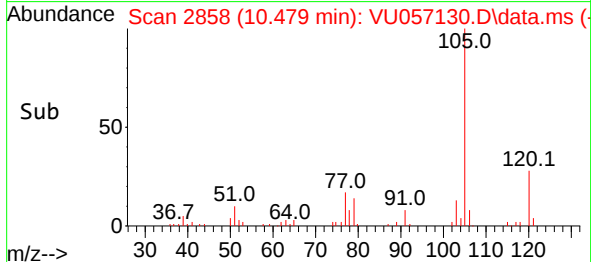
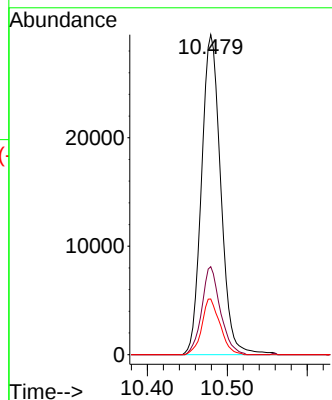
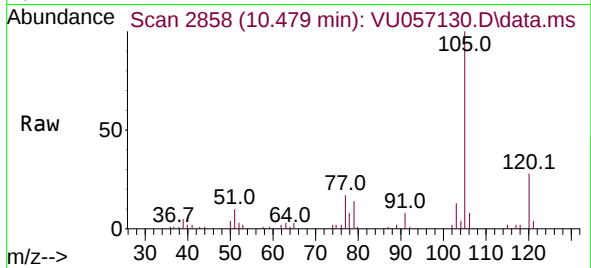




#60
Isopropylbenzene
Concen: 0.838 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

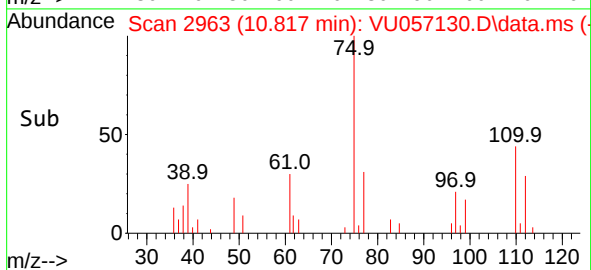
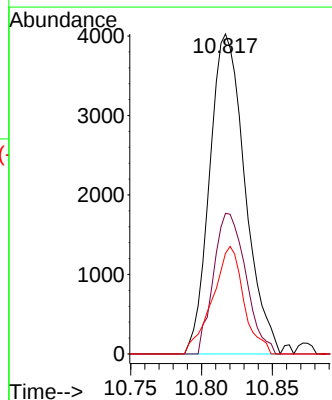
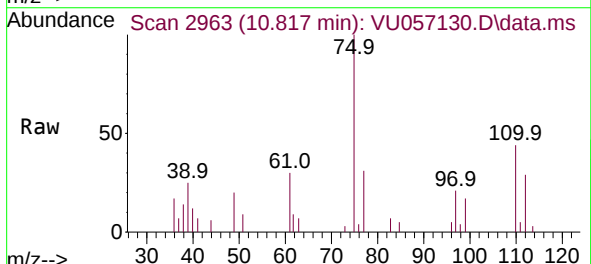
Instrument :
MSVOA_U
ClientSampleId :

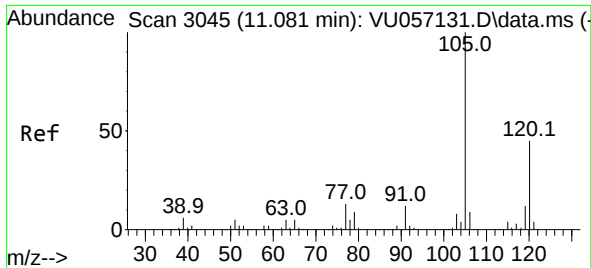
Tgt Ion:105 Resp: 49387
Ion Ratio Lower Upper
105 100
120 26.6 19.8 29.8
77 16.5 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 0.884 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion: 75 Resp: 6974
Ion Ratio Lower Upper
75 100
110 40.0 31.2 46.8
77 29.7 25.5 38.3

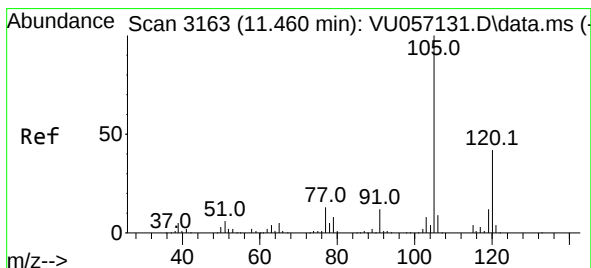
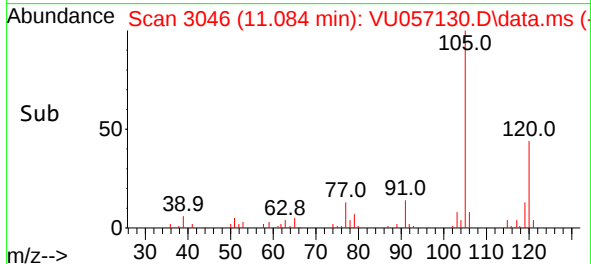
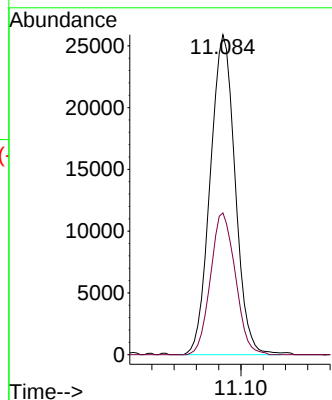
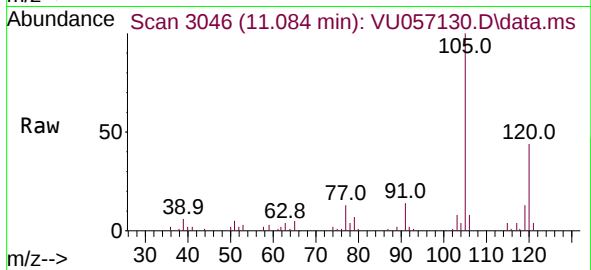




#62
 1,3,5-Trimethylbenzene
 Concen: 0.833 ug/L
 RT: 11.084 min Scan# 3045
 Delta R.T. 0.003 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

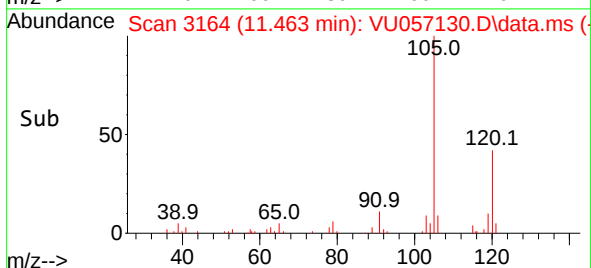
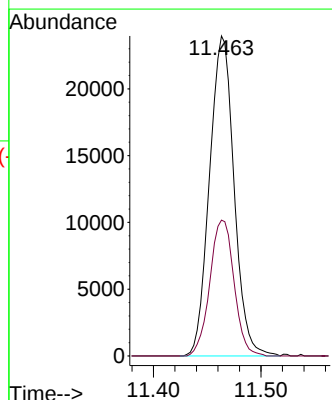
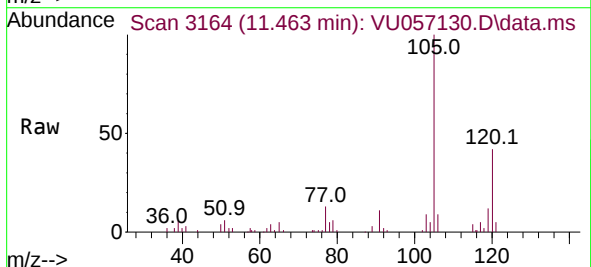
Instrument :
 MSVOA_U
 ClientSampleId :

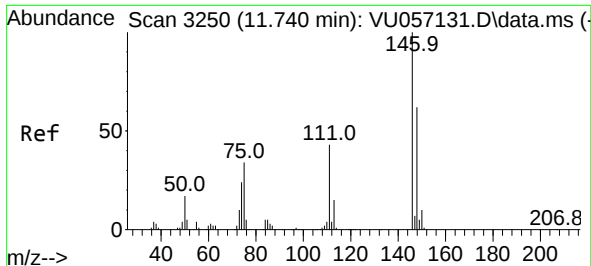
Tgt Ion:105 Resp: 40174
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.8 53.8



#63
 1,2,4-Trimethylbenzene
 Concen: 0.795 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.003 min
 Lab File: VU057130.D
 Acq: 21 Dec 2023 11:52

Tgt Ion:105 Resp: 38000
 Ion Ratio Lower Upper
 105 100
 120 41.8 33.9 50.9

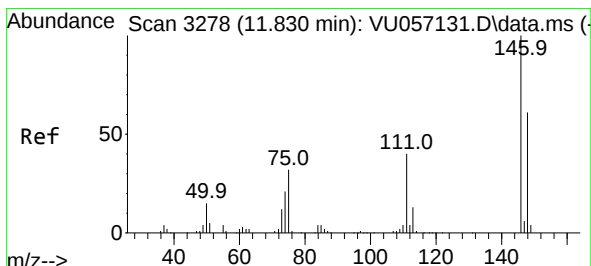
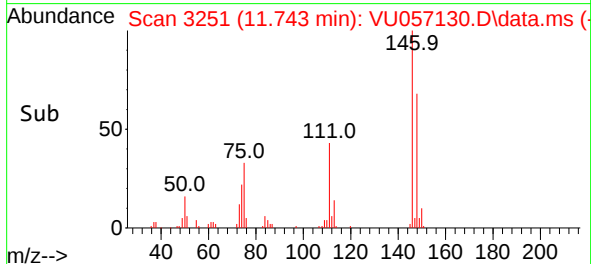
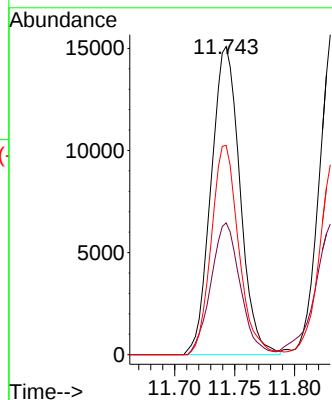
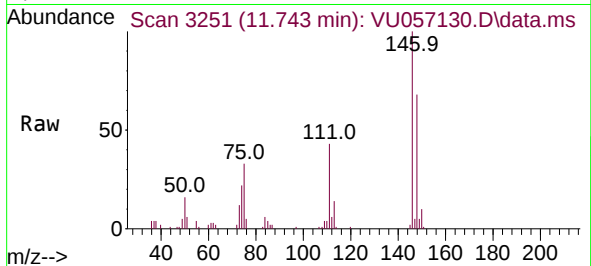




#64
1,3-Dichlorobenzene
Concen: 0.904 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

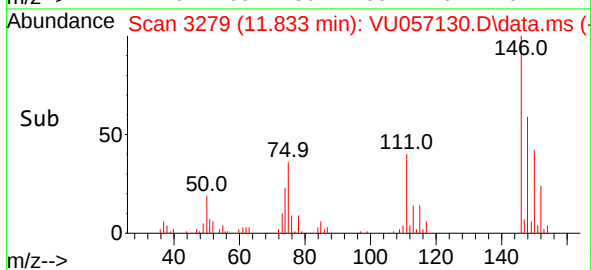
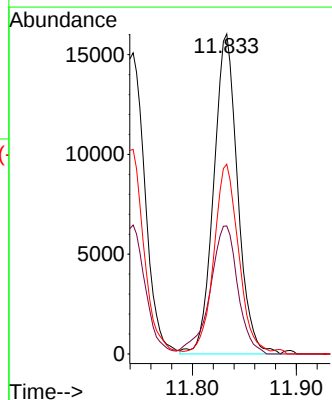
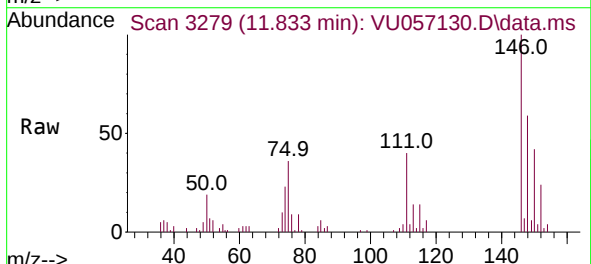
Instrument :
MSVOA_U
ClientSampleId :

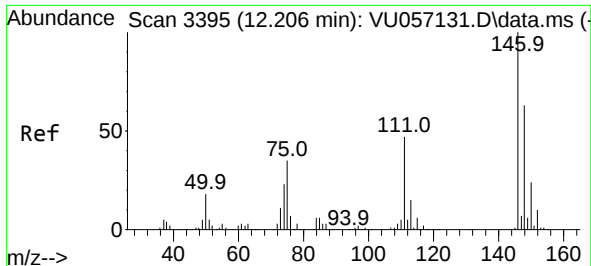
Tgt Ion:146 Resp: 25234
Ion Ratio Lower Upper
146 100
111 42.8 30.4 56.4
148 67.9 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 0.924 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion:146 Resp: 25667
Ion Ratio Lower Upper
146 100
111 40.0 28.1 52.3
148 59.3 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 0.872 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

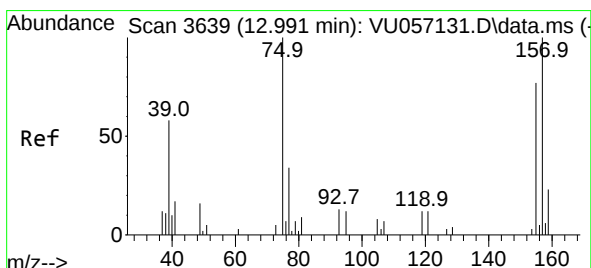
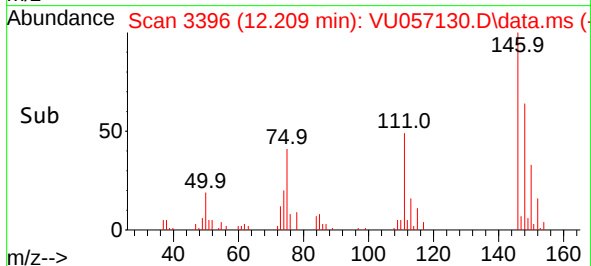
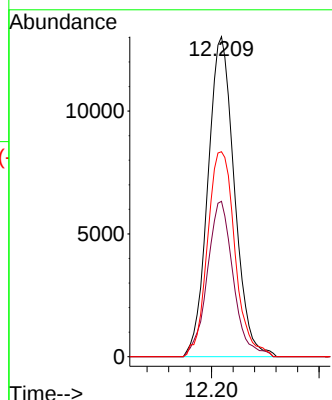
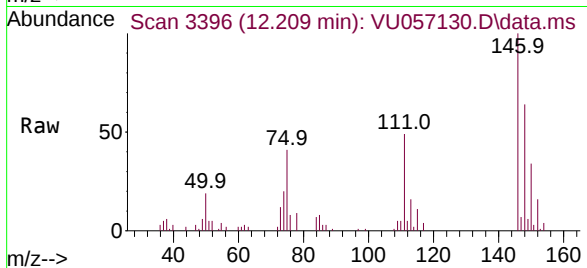
Tgt Ion:146 Resp: 22259

Ion Ratio Lower Upper

146 100

111 48.5 37.9 56.9

148 64.1 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 0.982 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

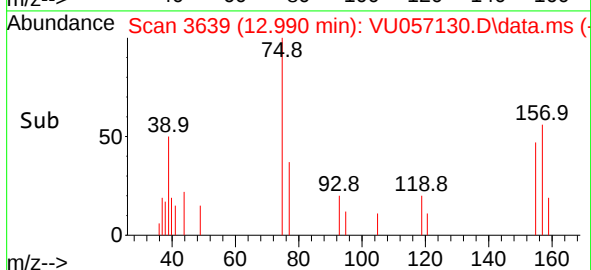
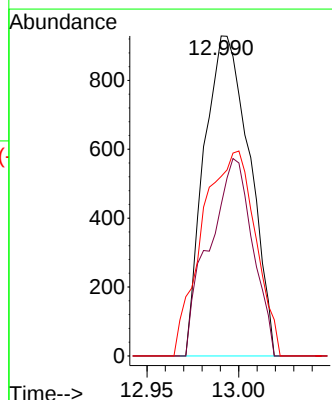
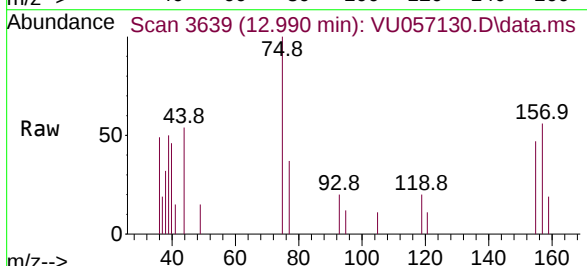
Tgt Ion: 75 Resp: 1597

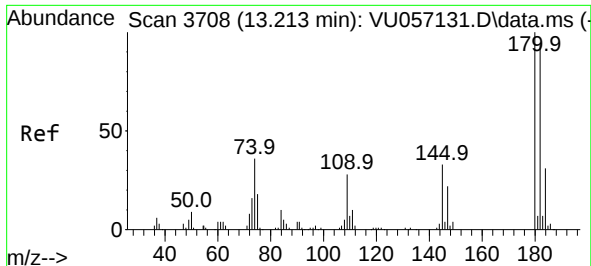
Ion Ratio Lower Upper

75 100

155 47.3 61.4 92.0#

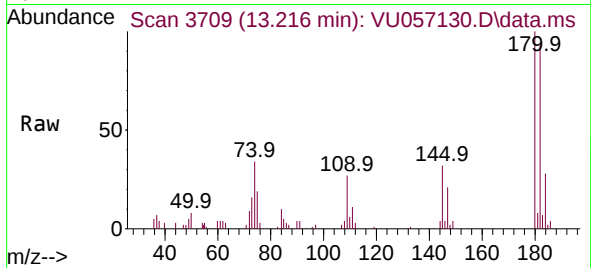
157 56.1 80.2 120.2#



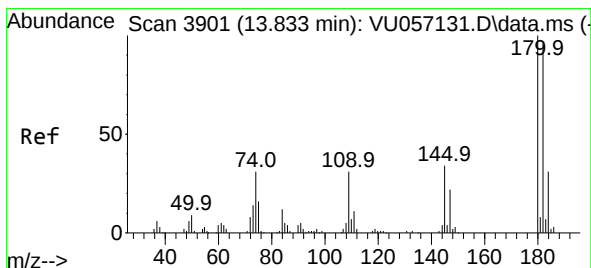
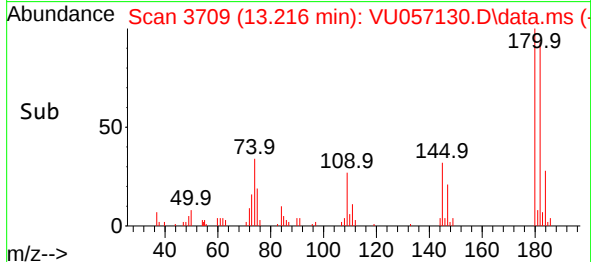
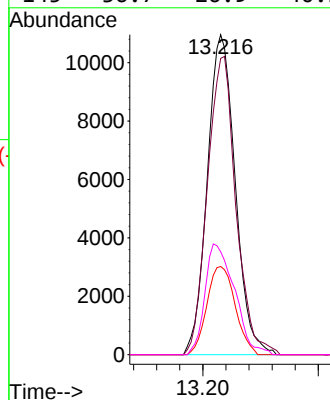


#69
1,3,5-Trichlorobenzene
Concen: 0.867 ug/L
RT: 13.216 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Instrument :
MSVOA_U
ClientSampleId :

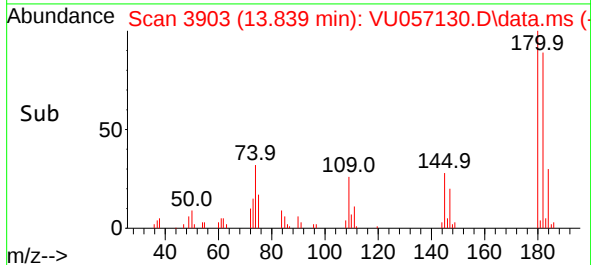
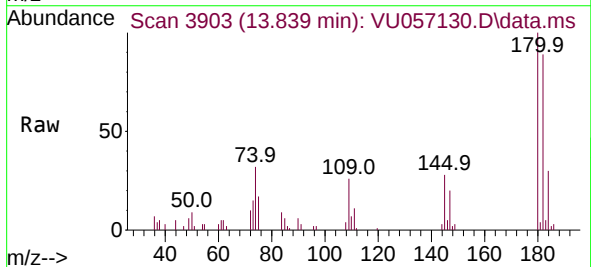
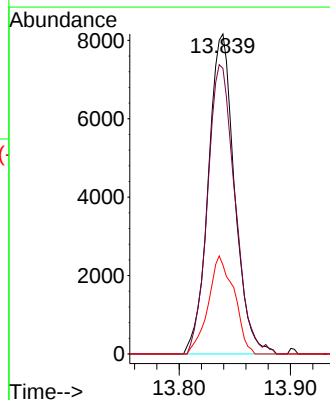


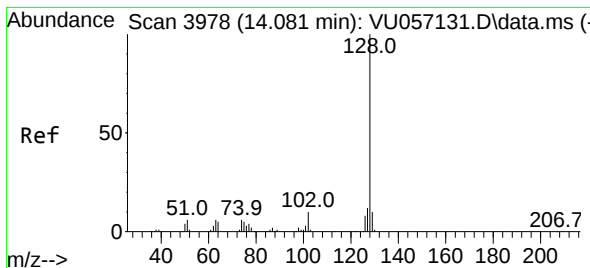
Tgt Ion:180 Resp: 18367
Ion Ratio Lower Upper
180 100
182 95.2 75.6 113.4
184 27.9 24.2 36.2
145 36.7 26.9 40.3



#70
1,2,4-trichlorobenzene
Concen: 0.801 ug/L
RT: 13.839 min Scan# 3903
Delta R.T. 0.006 min
Lab File: VU057130.D
Acq: 21 Dec 2023 11:52

Tgt Ion:180 Resp: 13399
Ion Ratio Lower Upper
180 100
182 94.1 75.4 113.0
145 30.1 27.7 41.5





#71

Naphthalene

Concen: 0.645 ug/L

RT: 14.087 min Scan# 3978

Delta R.T. 0.006 min

Lab File: VU057130.D

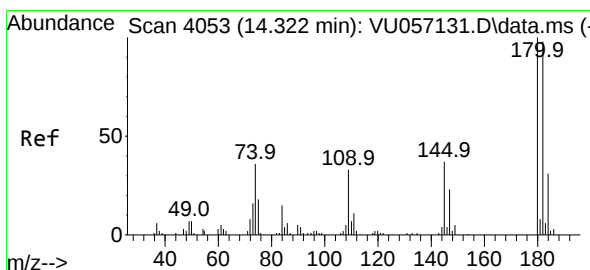
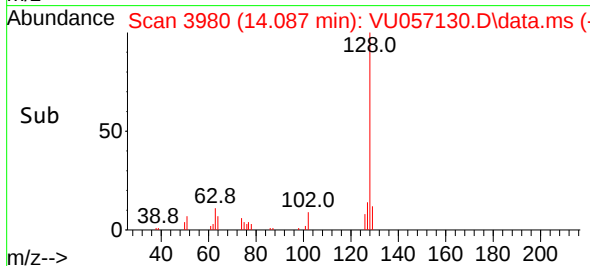
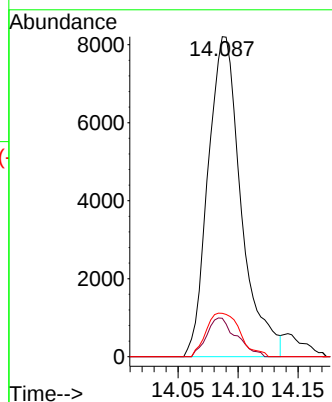
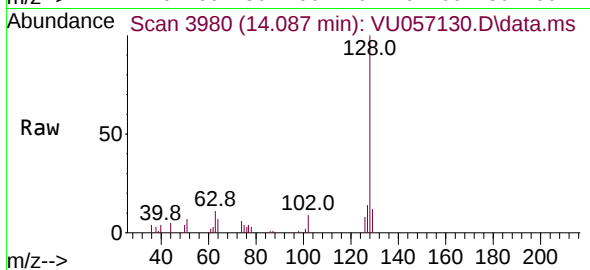
Acq: 21 Dec 2023 11:52

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	15699
Ion Ratio	Lower	Upper
128	100	
129	10.9	8.2 12.4
127	13.9	10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 0.775 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU057130.D

Acq: 21 Dec 2023 11:52

Tgt Ion:180	Resp:	10943
Ion Ratio	Lower	Upper
180	100	
182	88.3	76.2 114.4
145	35.8	28.9 43.3

