

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122123\
 Data File : VU057133.D
 Acq On : 21 Dec 2023 13:03
 Operator : MD/SY
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 21 23:06:49 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	6.242	114	180678	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	171271	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	91679	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	344625	21.653	ug/L	0.00
7) Chloroethane-d5	1.911	69	283971	23.436	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	153400	22.356	ug/L	0.00
20) 2-Butanone-d5	4.618	46	569308	190.449	ug/L	0.00
24) Chloroform-d	5.052	84	667422	22.011	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	314775	21.956	ug/L	0.00
32) Benzene-d6	5.721	84	1230142	22.616	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	343149	20.437	ug/L	0.00
41) Toluene-d8	7.891	98	1144509	23.283	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	150339	22.876	ug/L	0.00
46) 2-Hexanone-d5	8.628	63	571692	233.454	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	249257	20.562	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	395472	21.467	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.384	85	322686	17.273	ug/L	99
3) Chloromethane	1.519	50	258638	14.566	ug/L	98
5) Vinyl chloride	1.602	62	313605	17.387	ug/L	99
6) Bromomethane	1.856	94	146967	14.547	ug/L	97
8) Chloroethane	1.933	64	195433	18.298	ug/L	98
9) Trichlorofluoromethane	2.133	101	562336	20.996	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	286163	18.060	ug/L	99
12) 1,1-Dichloroethene	2.576	96	253050	17.513	ug/L	95
13) Acetone	2.638	43	316266	173.143	ug/L	98
14) Carbon disulfide	2.789	76	743846	15.181	ug/L	100
15) Methyl Acetate	2.946	43	74915	15.411	ug/L	98
16) Methylene chloride	3.039	84	266085	16.908	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	604612	18.956	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	257940	17.624	ug/L	97
19) 1,1-Dichloroethane	3.859	63	507273	17.941	ug/L	99
21) 2-Butanone	4.699	43	492782	163.654	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	298729	18.695	ug/L	96
23) Bromochloromethane	4.965	128	121969	18.373	ug/L	95
25) Chloroform	5.078	83	577275	19.258	ug/L	99
27) 1,2-Dichloroethane	5.785	62	333707	18.746	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	539969	21.250	ug/L	100
30) Cyclohexane	5.380	56	402200	17.990	ug/L	98
31) Carbon tetrachloride	5.518	117	469721	21.223	ug/L	97
33) Benzene	5.766	78	1096370	18.523	ug/L	100
34) Trichloroethene	6.534	95	313646	19.144	ug/L	97
35) Methylcyclohexane	6.756	83	460561	19.237	ug/L	98
37) 1,2-Dichloropropane	6.782	63	270387	17.926	ug/L	99
38) Bromodichloromethane	7.097	83	398049	20.211	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	443408	20.139	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	1269818	179.557	ug/L	98
42) Toluene	7.962	91	1203497	19.495	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	365488	19.987	ug/L	99

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

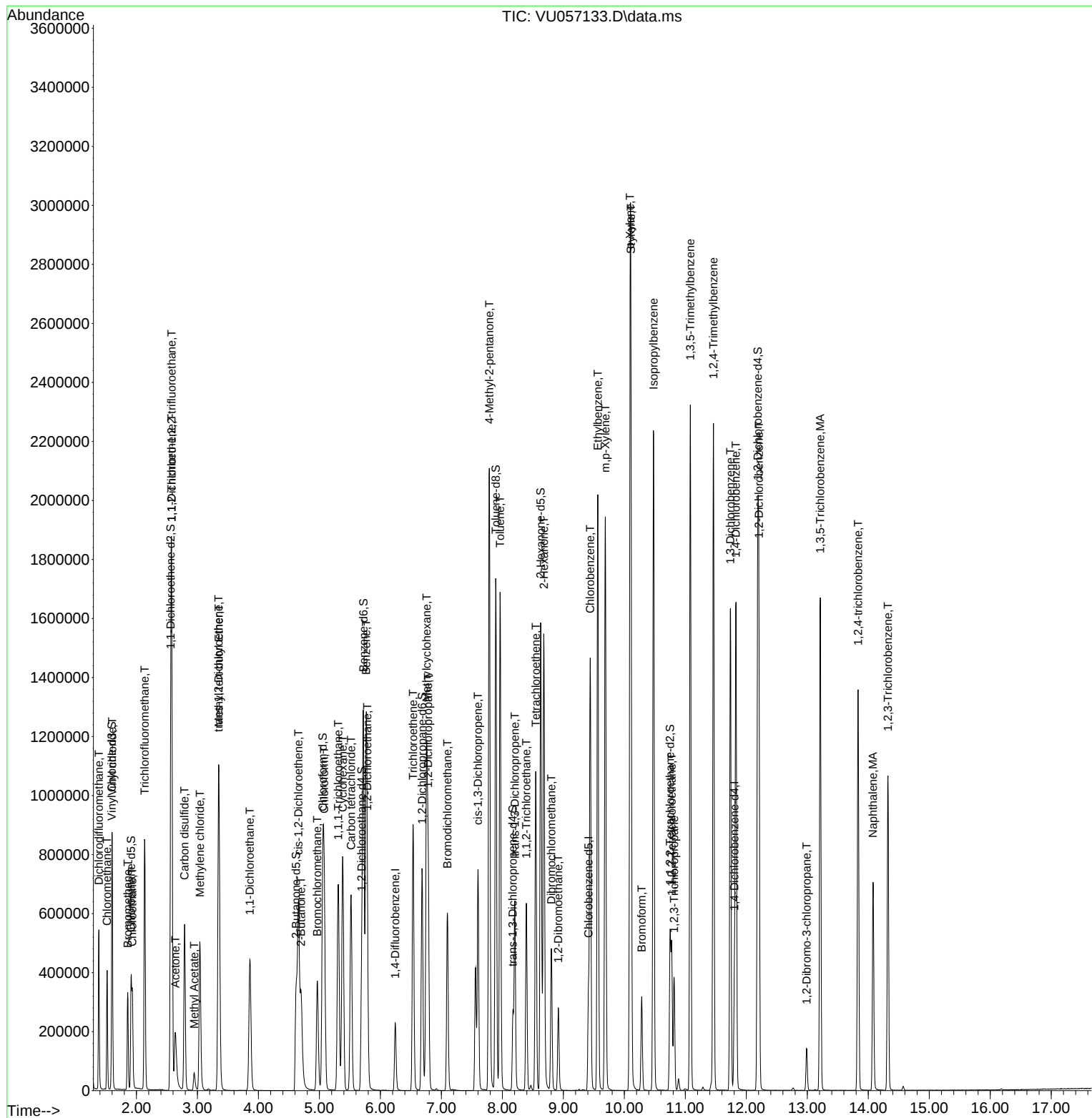
45) 1,1,2-Trichloroethane	8.393	97	188815	18.522	ug/L	95
47) Tetrachloroethene	8.547	164	226729	19.601	ug/L	98
48) 2-Hexanone	8.679	43	918328	181.470	ug/L	99
49) Dibromochloromethane	8.801	129	243250	20.276	ug/L	98
50) 1,2-Dibromoethane	8.917	107	178433	18.870	ug/L	98
51) Chlorobenzene	9.441	112	756579	19.202	ug/L	98
52) Ethylbenzene	9.563	91	1418957	20.838	ug/L	98
53) m,p-Xylene	9.689	106	528181	20.788	ug/L	98
54) o-Xylene	10.094	106	504850	20.847	ug/L	99
55) Styrene	10.107	104	866935	21.786	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	226679	18.239	ug/L	97
59) Bromoform	10.284	173	142411	19.153	ug/L	97
60) Isopropylbenzene	10.480	105	1441001	20.074	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	158163	16.453	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	1228473	20.922	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	1230978	21.139	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	635191	18.682	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	623112	18.421	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	566653	18.219	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.988	75	38676	19.532	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	494380	19.166	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	395804	19.414	ug/L	99
71) Naphthalene	14.078	128	552727	18.634	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	307181	17.856	ug/L	99

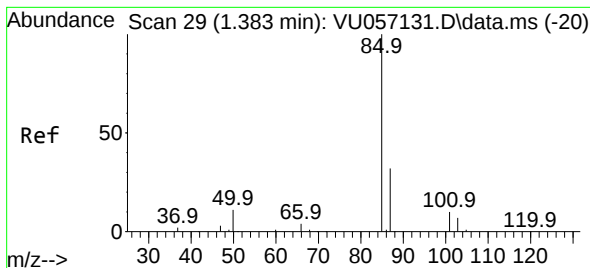
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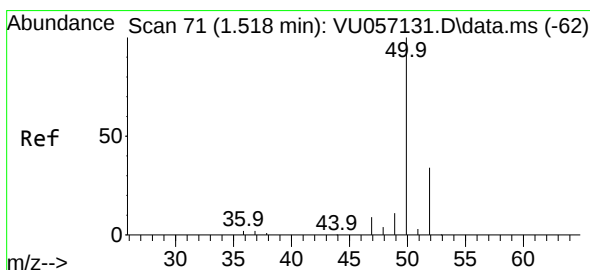
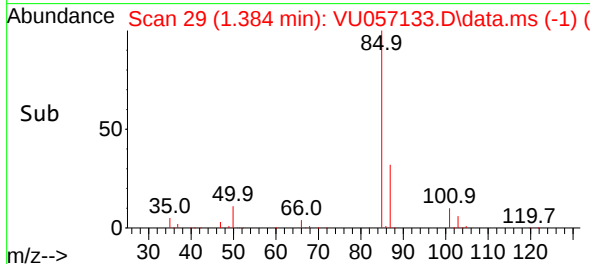
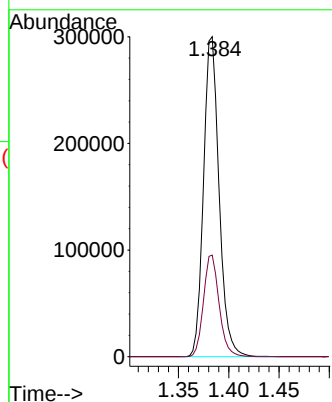
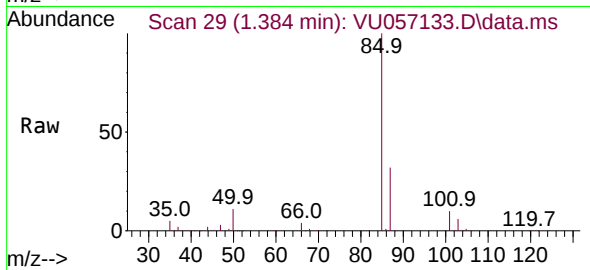




#2
Dichlorodifluoromethane
Concen: 17.273 ug/L
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

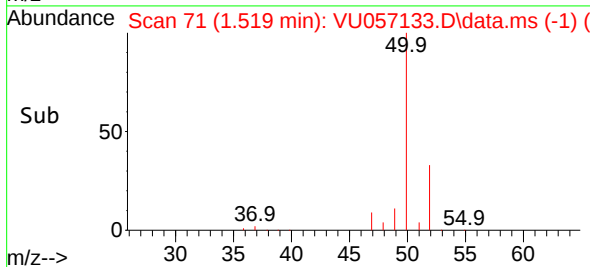
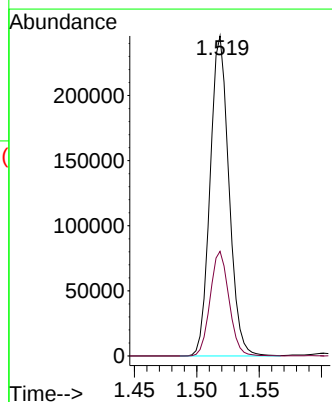
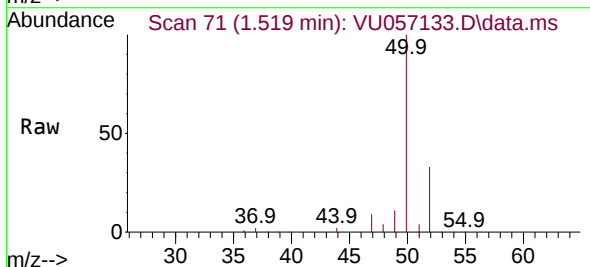
Instrument :
MSVOA_U
ClientSampleId :

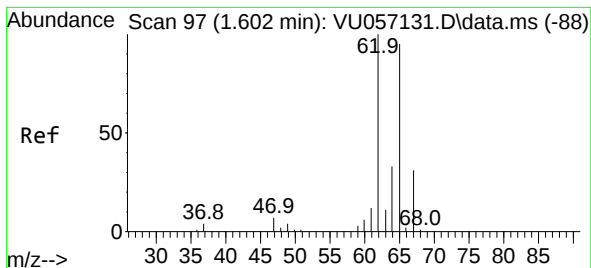
Tgt Ion: 85 Resp: 322686
Ion Ratio Lower Upper
85 100
87 31.9 25.9 38.9



#3
Chloromethane
Concen: 14.566 ug/L
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 50 Resp: 258638
Ion Ratio Lower Upper
50 100
52 32.7 23.7 44.1





#5

Vinyl chloride

Concen: 17.387 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

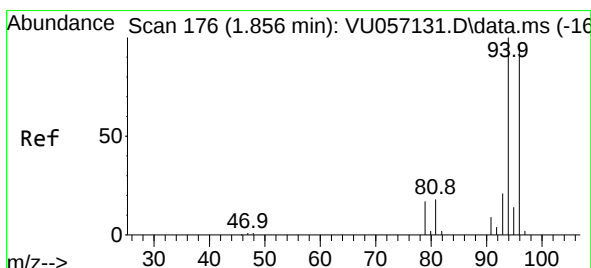
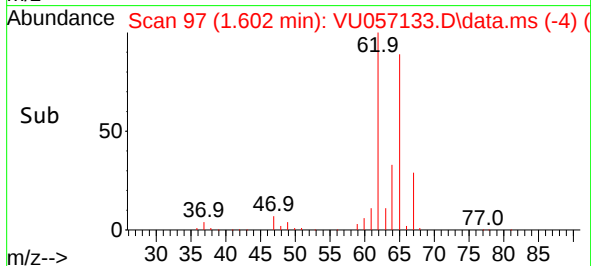
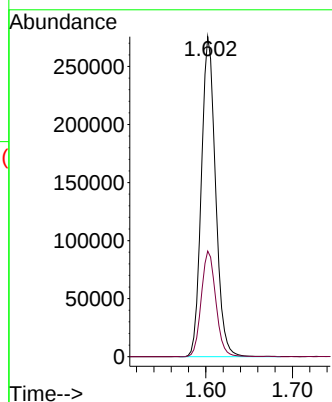
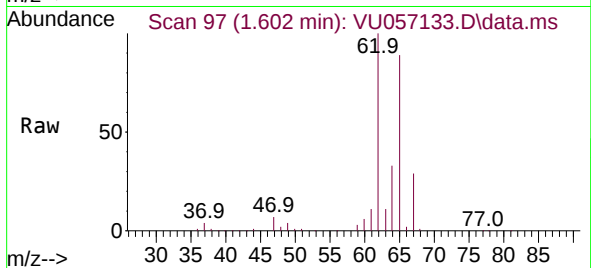
ClientSampleId :

Tgt Ion: 62 Resp: 313605

Ion Ratio Lower Upper

62 100

64 33.0 23.3 43.3



#6

Bromomethane

Concen: 14.547 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU057133.D

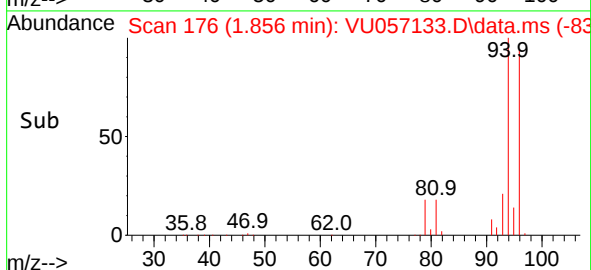
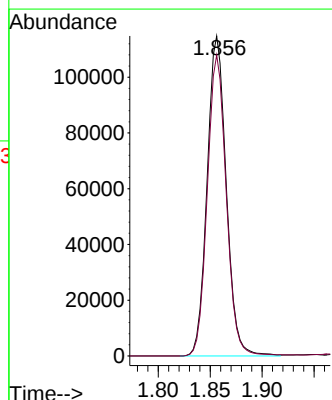
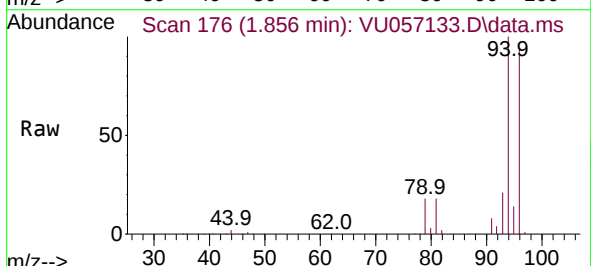
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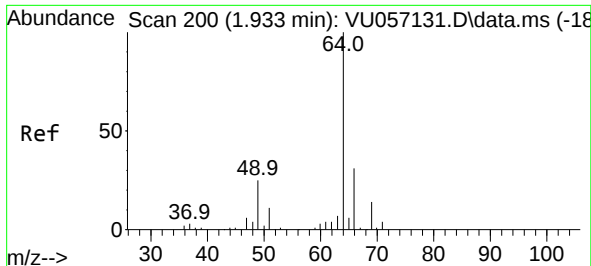
Tgt Ion: 94 Resp: 146967

Ion Ratio Lower Upper

94 100

96 94.1 68.2 126.6

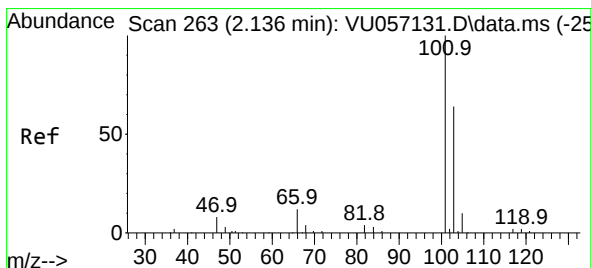
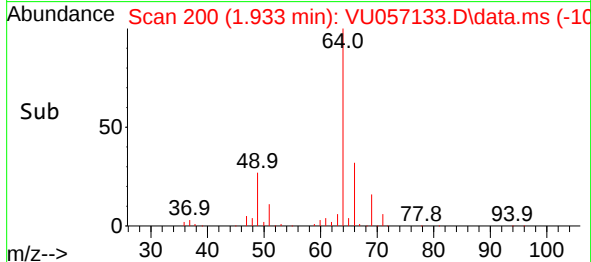
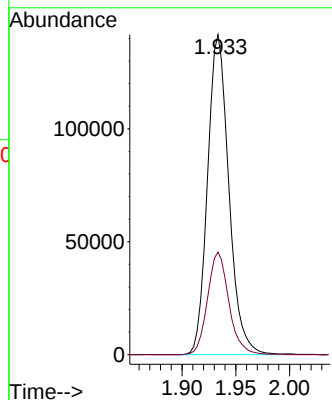
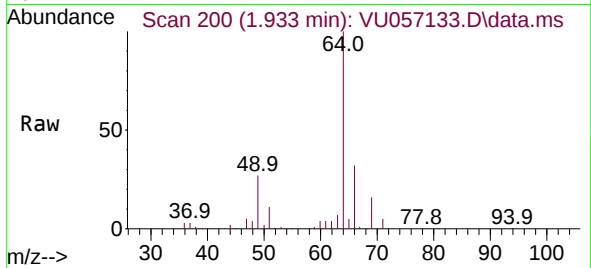




#8
Chloroethane
Concen: 18.298 ug/L
RT: 1.933 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

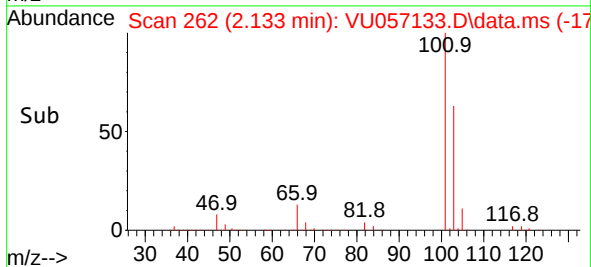
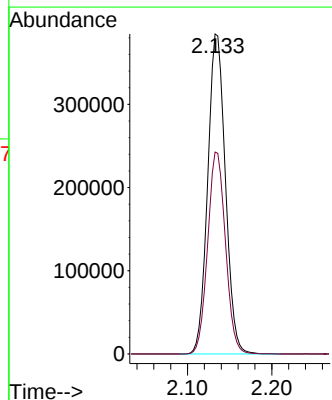
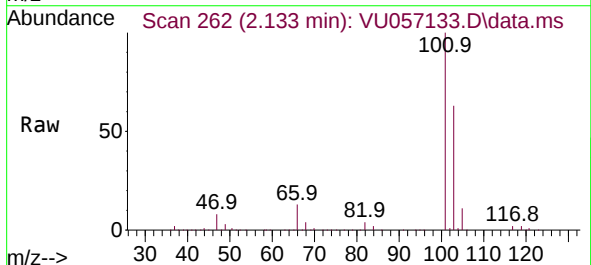
Instrument :
MSVOA_U
ClientSampleId :

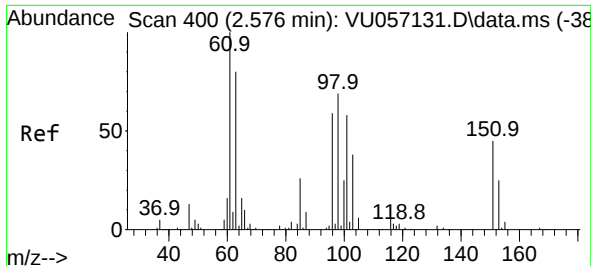
Tgt Ion: 64 Resp: 195433
Ion Ratio Lower Upper
64 100
66 32.1 21.6 40.2



#9
Trichlorofluoromethane
Concen: 20.996 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 101 Resp: 562336
Ion Ratio Lower Upper
101 100
103 63.5 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 18.060 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

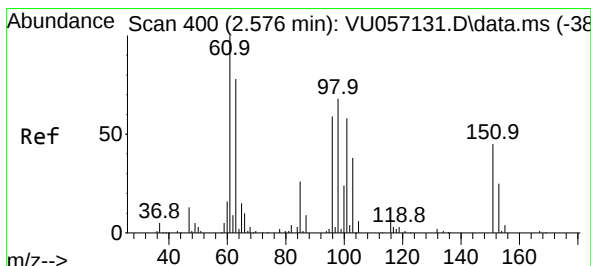
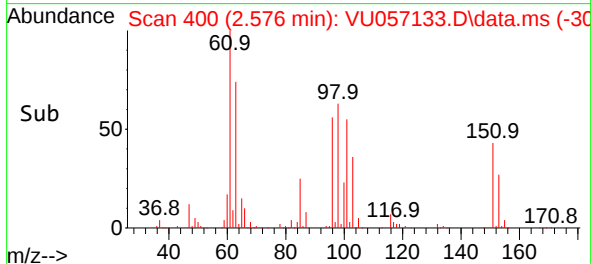
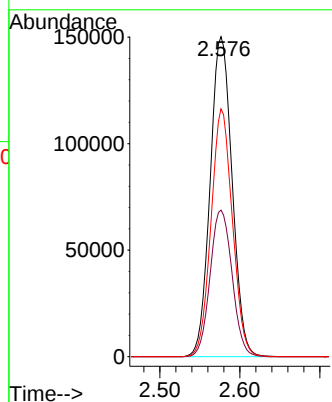
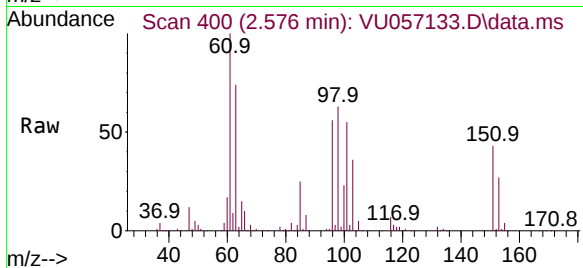
Tgt Ion:101 Resp: 286163

Ion Ratio Lower Upper

101 100

85 45.9 35.6 53.4

151 75.5 59.9 89.9



#12

1,1-Dichloroethene

Concen: 17.513 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

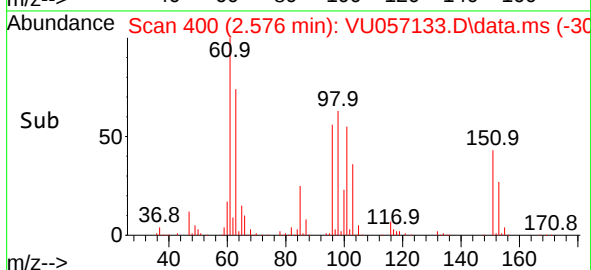
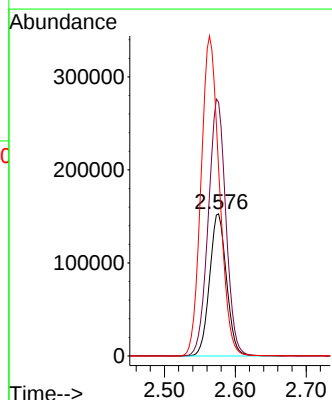
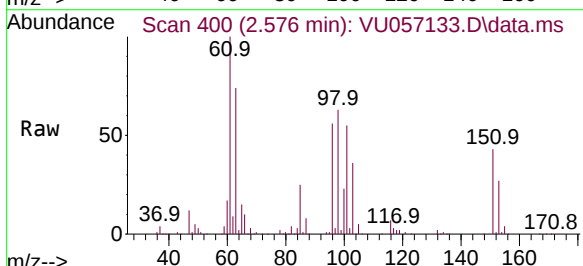
Tgt Ion: 96 Resp: 253050

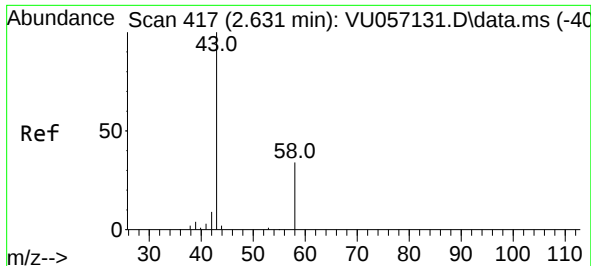
Ion Ratio Lower Upper

96 100

61 178.6 119.6 222.0

63 132.0 96.2 178.8





#13

Acetone

Concen: 173.143 ug/L

RT: 2.638 min Scan# 417

Delta R.T. 0.007 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

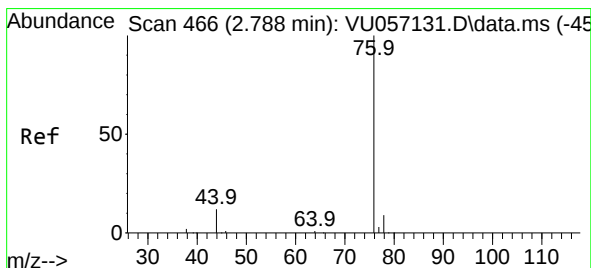
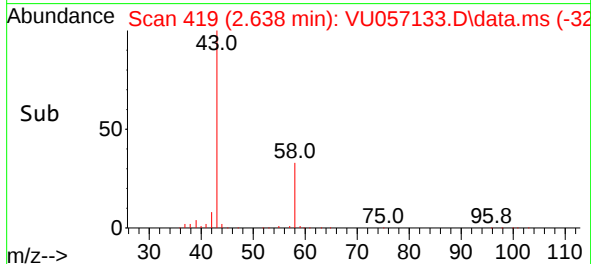
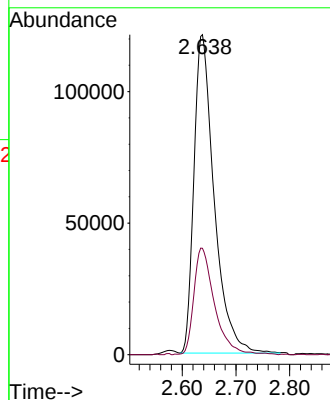
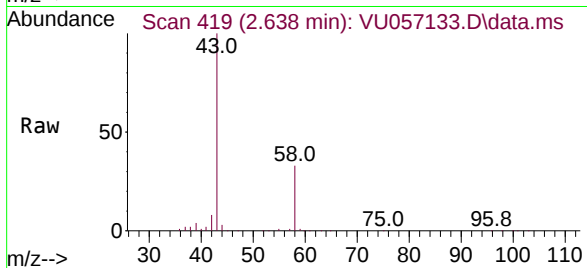
ClientSampleId :

Tgt Ion: 43 Resp: 316266

Ion Ratio Lower Upper

43 100

58 34.0 0.0 70.8



#14

Carbon disulfide

Concen: 15.181 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057133.D

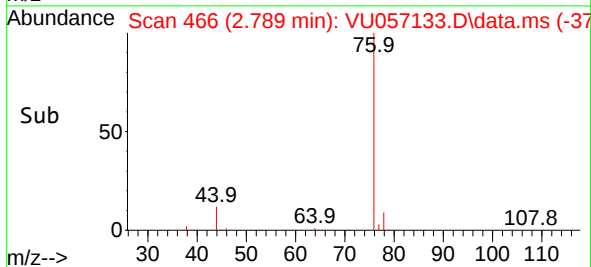
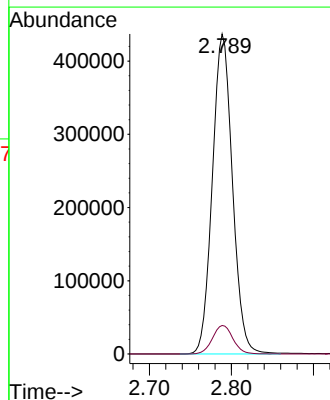
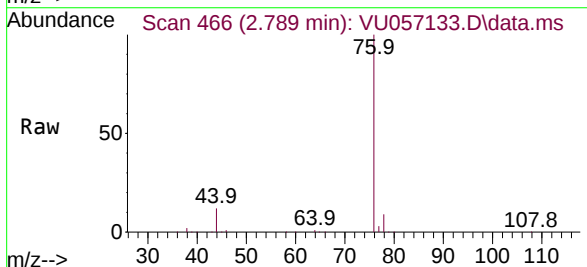
Acq: 21 Dec 2023 13:03

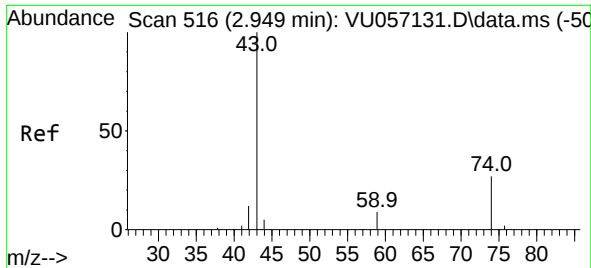
Tgt Ion: 76 Resp: 743846

Ion Ratio Lower Upper

76 100

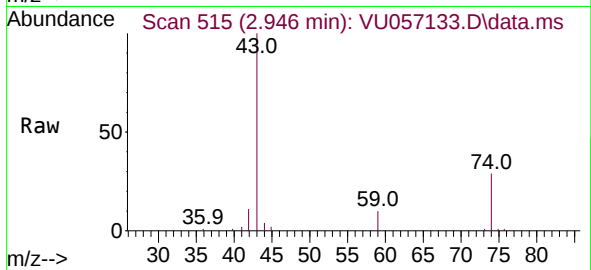
78 8.9 7.1 10.7



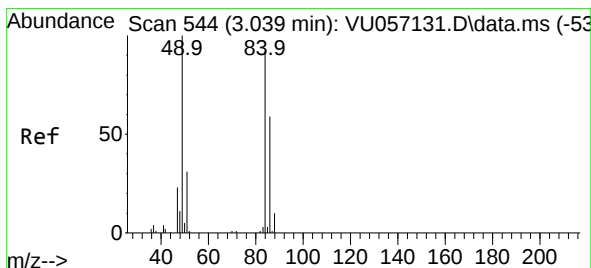
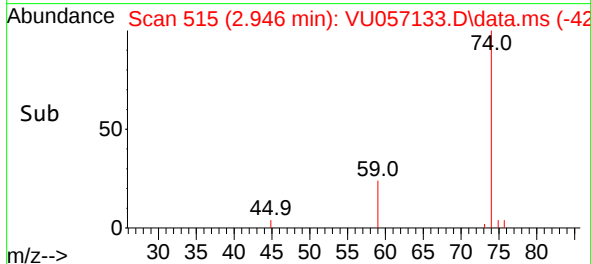
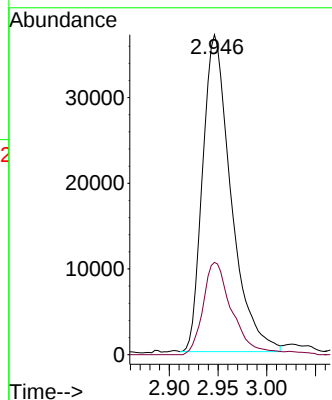


#15
Methyl Acetate
Concen: 15.411 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Instrument :
MSVOA_U
ClientSampleId :

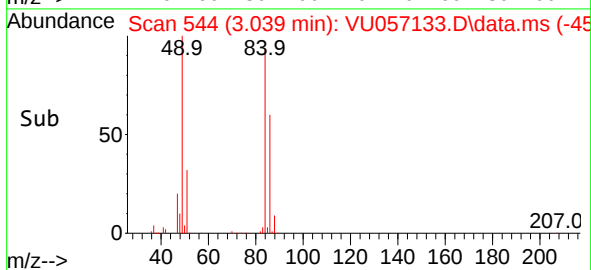
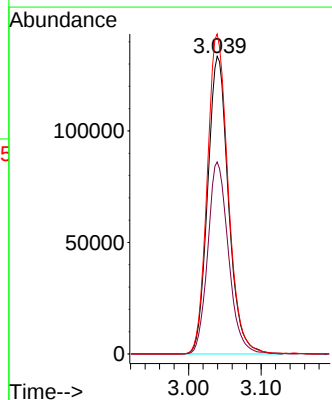
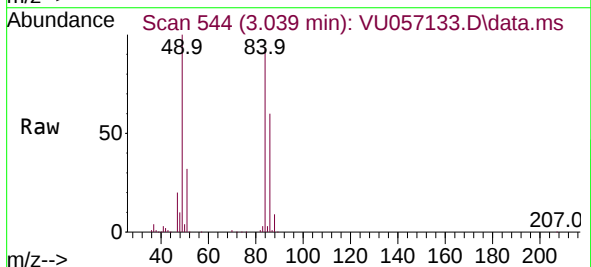


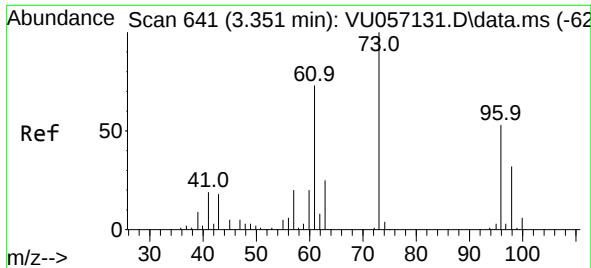
Tgt Ion: 43 Resp: 74915
Ion Ratio Lower Upper
43 100
74 29.6 22.8 34.2



#16
Methylene chloride
Concen: 16.908 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 84 Resp: 266085
Ion Ratio Lower Upper
84 100
86 64.5 44.7 82.9
49 107.5 76.0 141.2

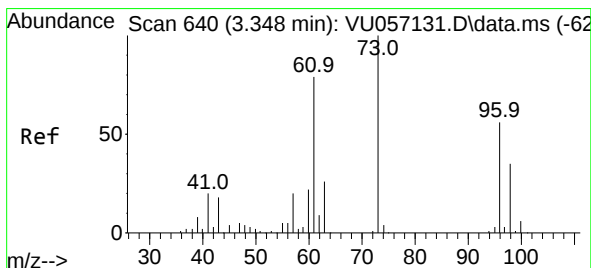
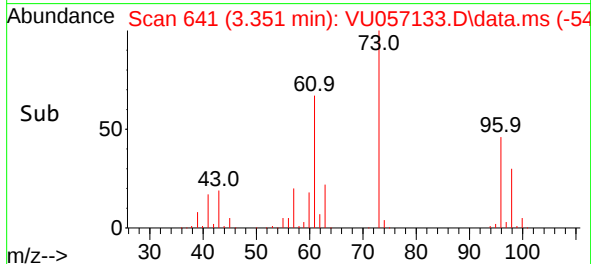
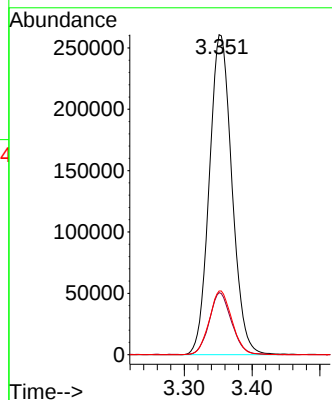
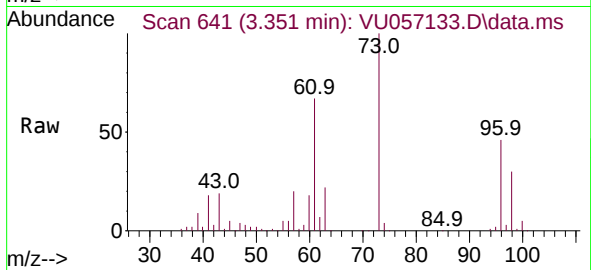




#17
Methyl tert-butyl Ether
Concen: 18.956 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

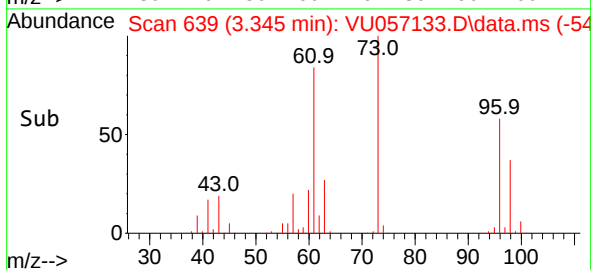
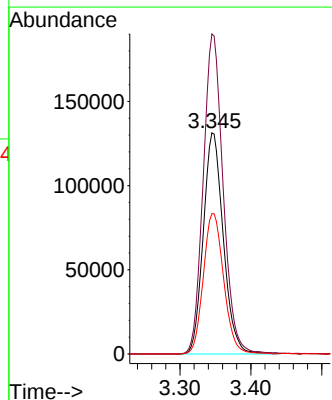
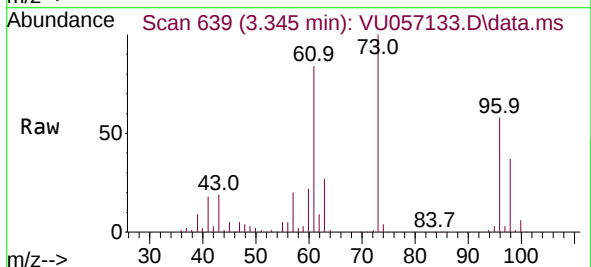
Instrument :
MSVOA_U
ClientSampleId :

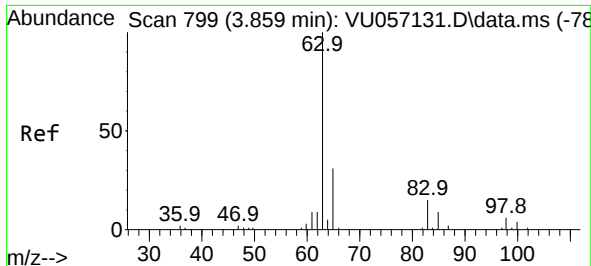
Tgt Ion: 73 Resp: 604612
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.0
57 19.9 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 17.624 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 96 Resp: 257940
Ion Ratio Lower Upper
96 100
61 144.7 98.4 182.8
98 63.5 43.6 81.0





#19

1,1-Dichloroethane

Concen: 17.941 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

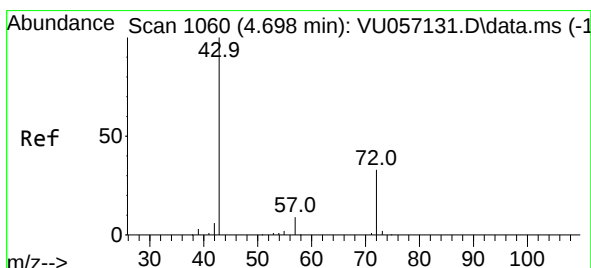
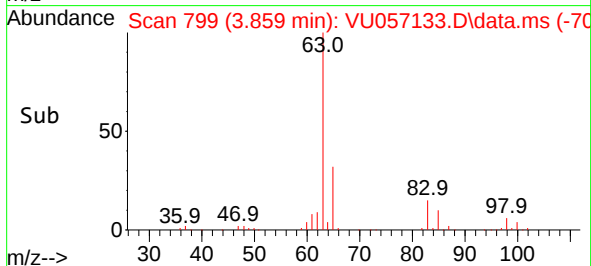
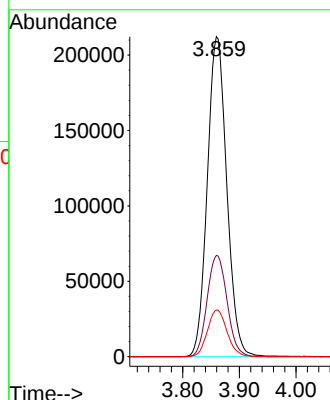
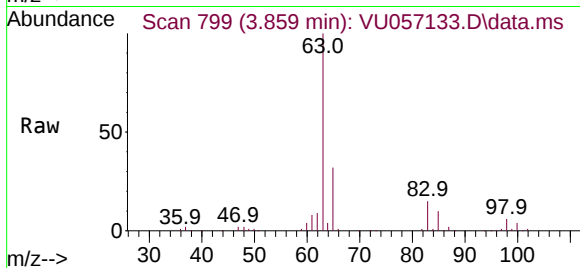
Tgt Ion: 63 Resp: 507273

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.2

83 14.6 10.2 19.0



#21

2-Butanone

Concen: 163.654 ug/L

RT: 4.699 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VU057133.D

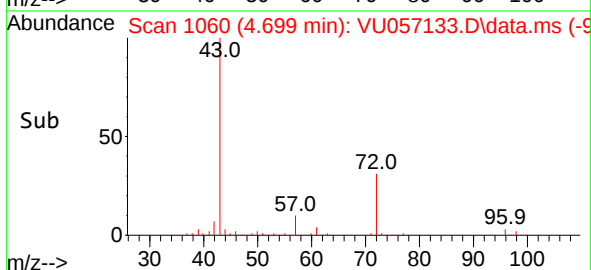
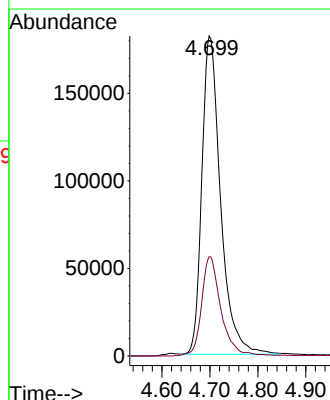
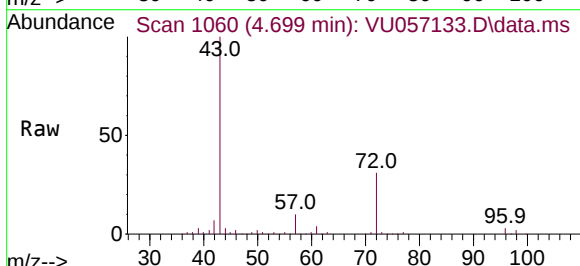
Acq: 21 Dec 2023 13:03

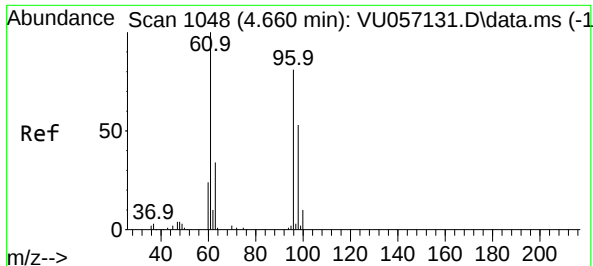
Tgt Ion: 43 Resp: 492782

Ion Ratio Lower Upper

43 100

72 32.3 16.3 48.8





#22

cis-1,2-Dichloroethene

Concen: 18.695 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

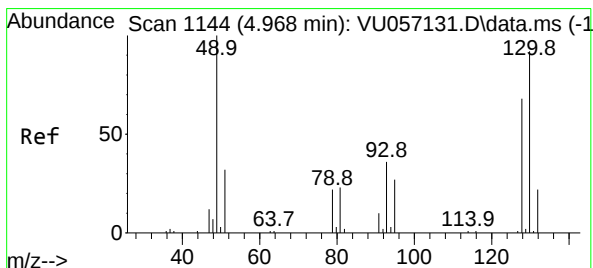
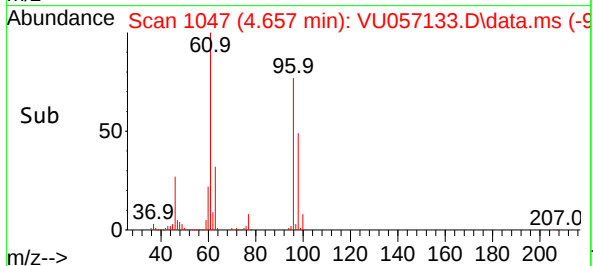
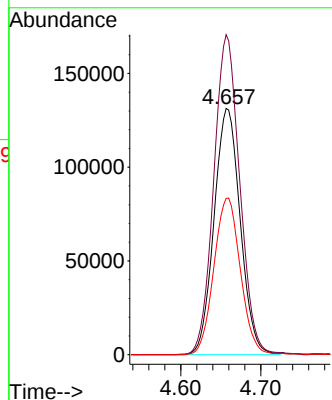
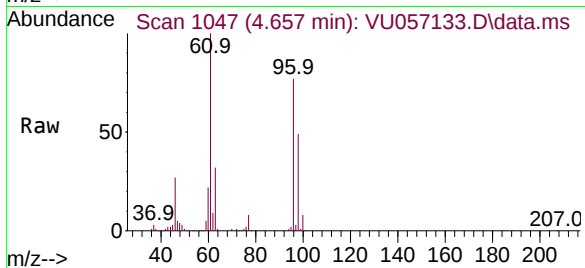
Tgt Ion: 96 Resp: 298729

Ion Ratio Lower Upper

96 100

61 130.0 86.8 161.2

98 63.5 45.5 84.5



#23

Bromochloromethane

Concen: 18.373 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Tgt Ion:128 Resp: 121969

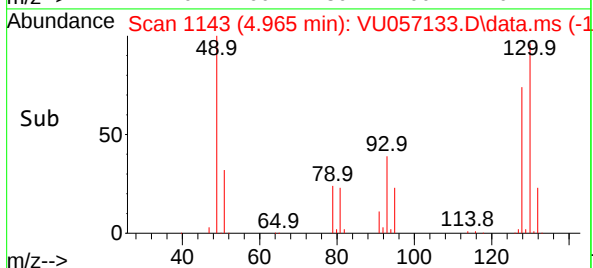
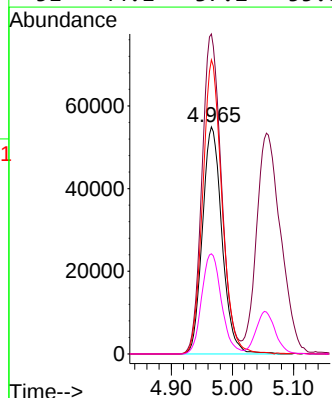
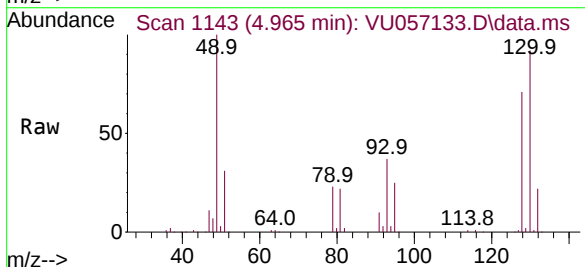
Ion Ratio Lower Upper

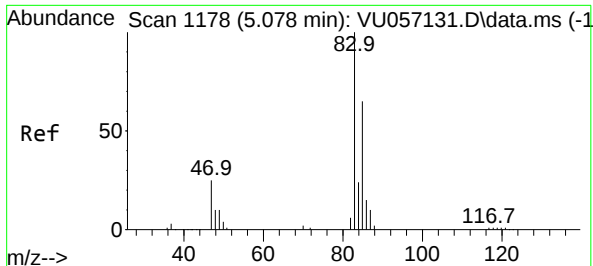
128 100

49 141.0 102.7 190.7

130 129.6 94.7 175.9

51 44.1 37.2 55.8

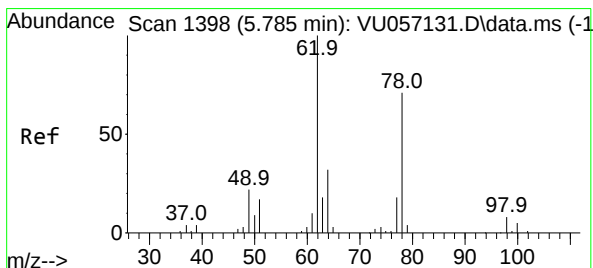
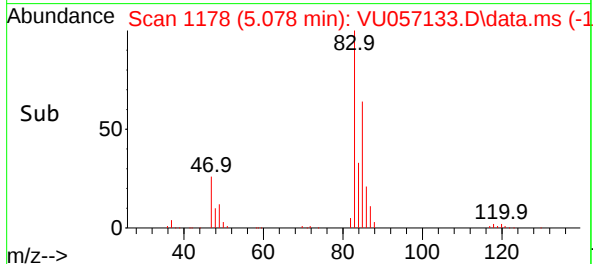
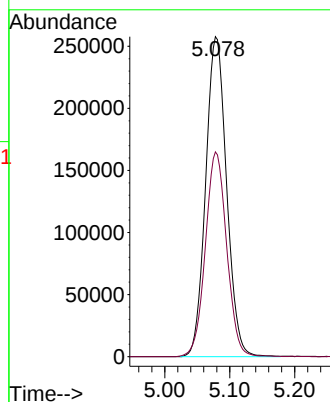
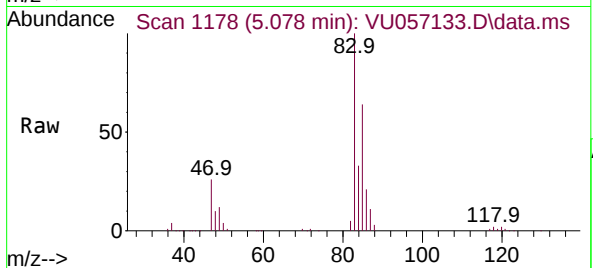




#25
Chloroform
Concen: 19.258 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

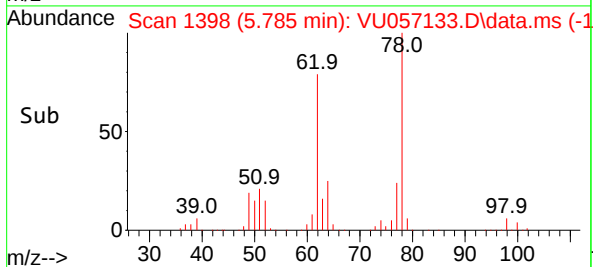
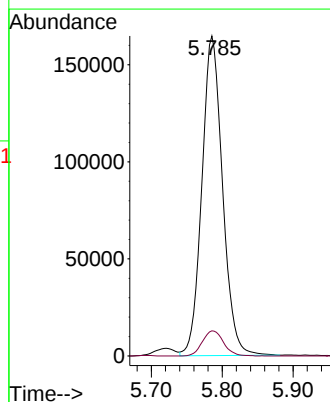
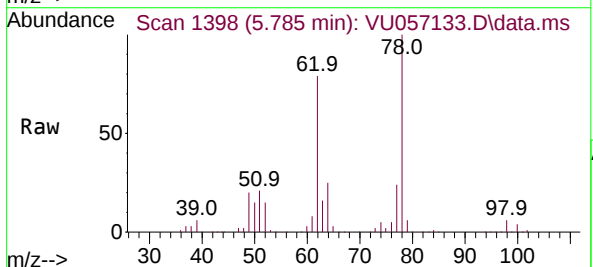
Instrument :
MSVOA_U
ClientSampleId :

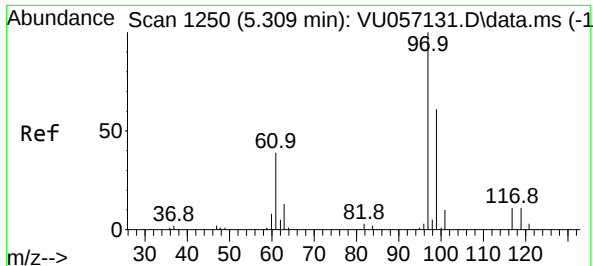
Tgt Ion: 83 Resp: 577275
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 18.746 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 62 Resp: 333707
Ion Ratio Lower Upper
62 100
98 7.8 6.3 9.5

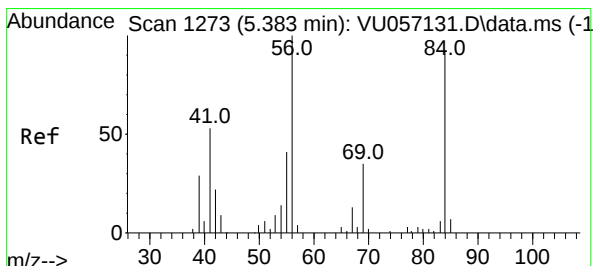
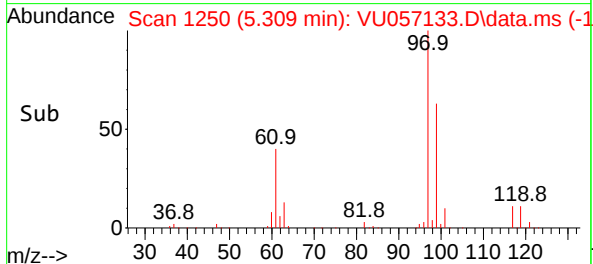
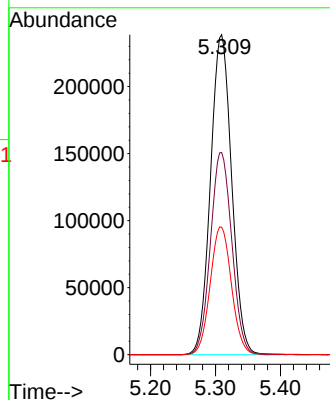
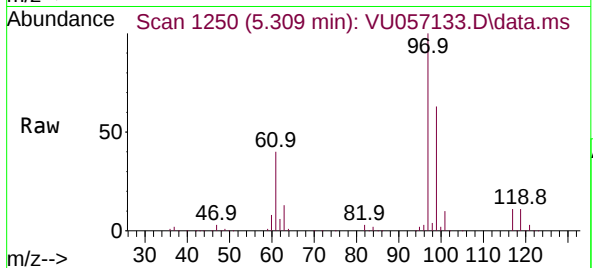




#29
1,1,1-Trichloroethane
Concen: 21.250 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

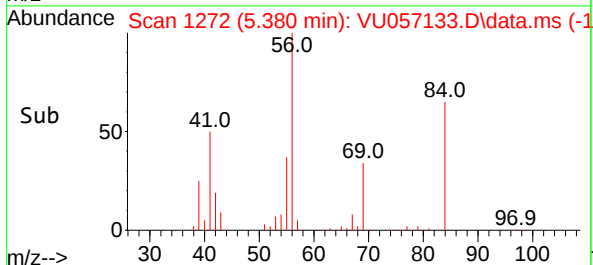
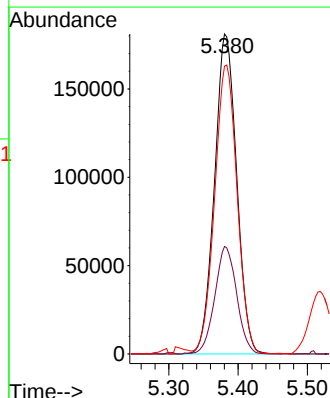
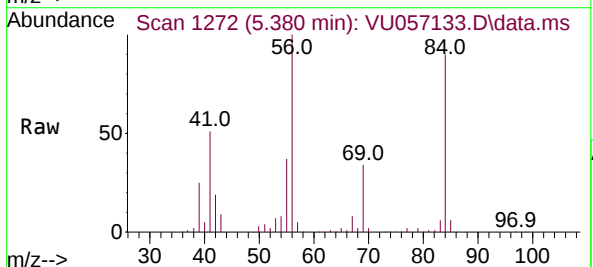
Instrument :
MSVOA_U
ClientSampleId :

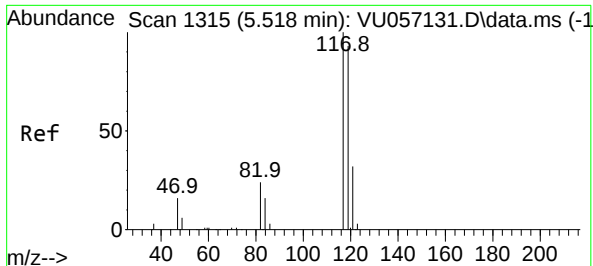
Tgt Ion: 97 Resp: 539969
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 40.2 32.5 48.7



#30
Cyclohexane
Concen: 17.990 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 56 Resp: 402200
Ion Ratio Lower Upper
56 100
69 33.2 26.7 40.1
84 91.5 74.9 112.3

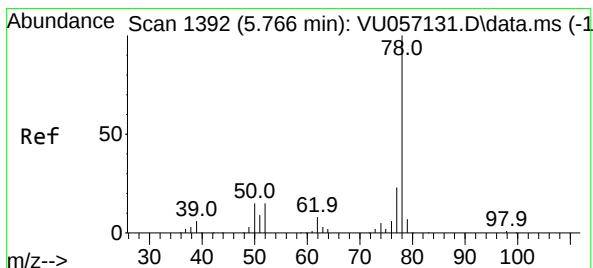
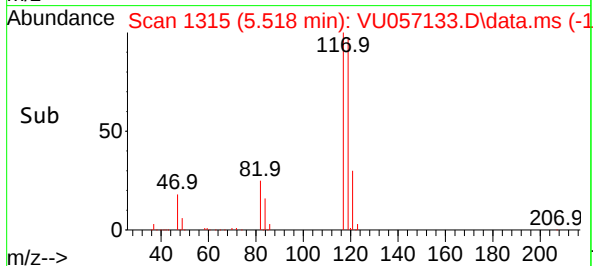
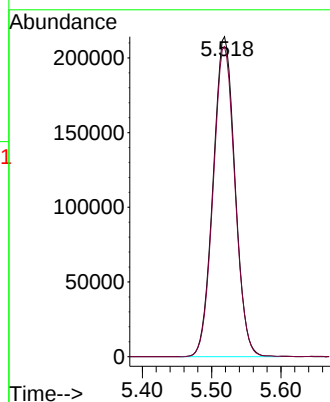
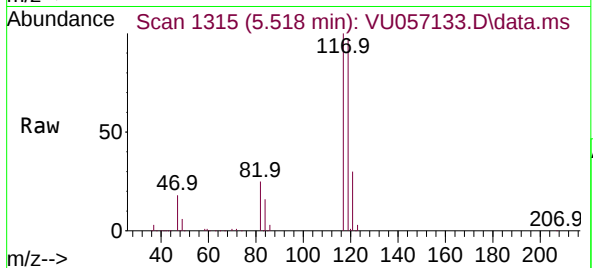




#31
Carbon tetrachloride
Concen: 21.223 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

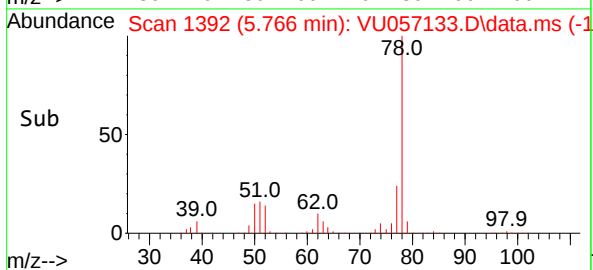
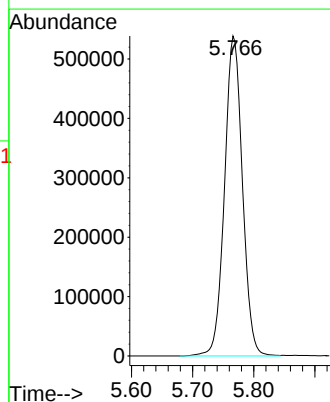
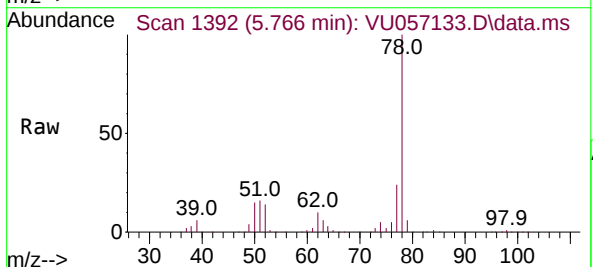
Instrument :
MSVOA_U
ClientSampleId :

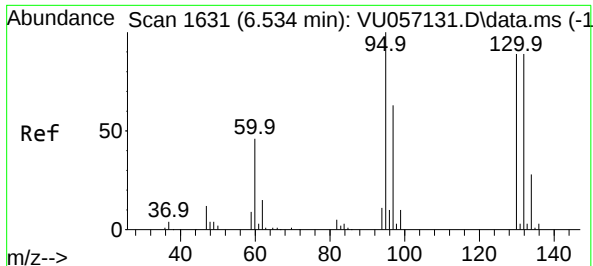
Tgt Ion:117 Resp: 469721
Ion Ratio Lower Upper
117 100
119 96.7 75.1 112.7



#33
Benzene
Concen: 18.523 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 78 Resp: 1096370

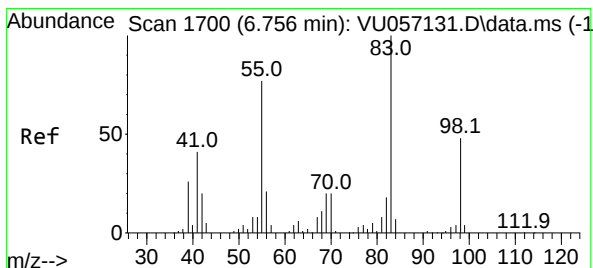
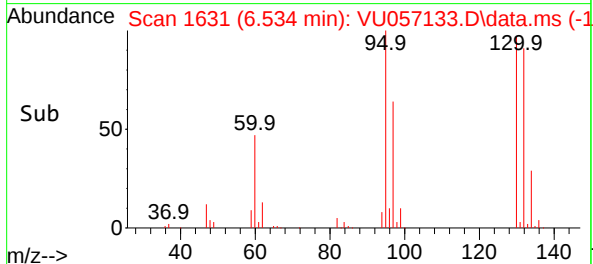
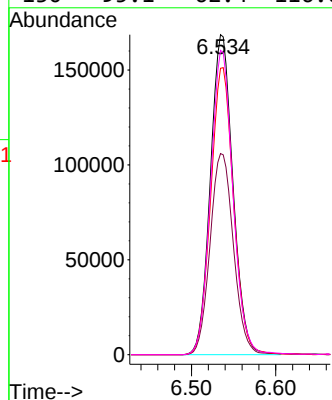
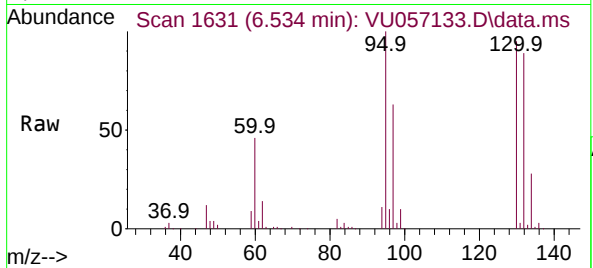




#34
Trichloroethene
Concen: 19.144 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

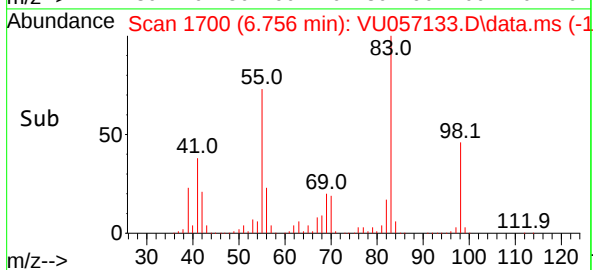
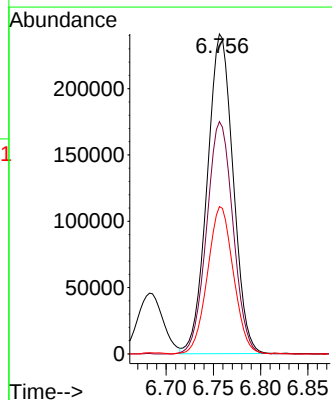
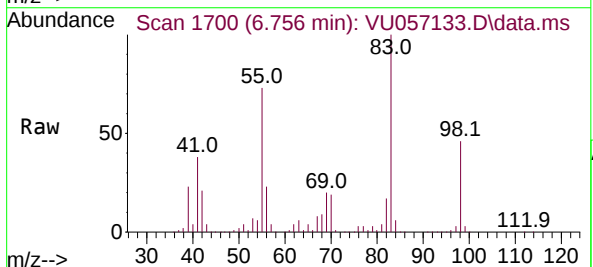
Instrument :
MSVOA_U
ClientSampleId :

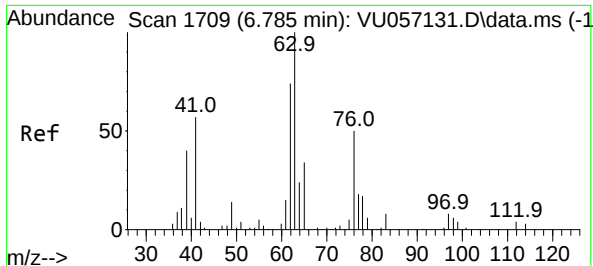
Tgt Ion: 95 Resp: 313646
Ion Ratio Lower Upper
95 100
97 62.9 44.3 82.3
132 89.5 62.6 116.2
130 95.1 62.4 116.0



#35
Methylcyclohexane
Concen: 19.237 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 83 Resp: 460561
Ion Ratio Lower Upper
83 100
55 74.0 61.3 91.9
98 46.1 36.6 55.0





#37

1,2-Dichloropropane

Concen: 17.926 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

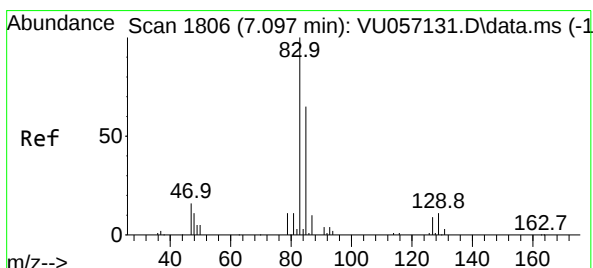
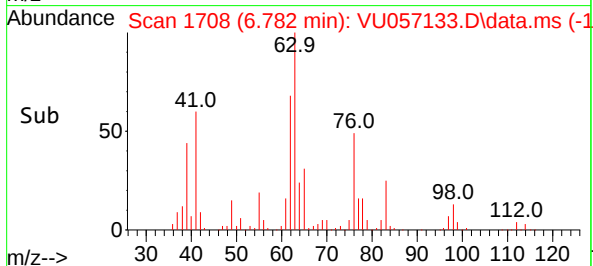
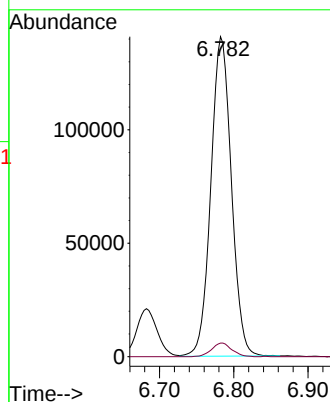
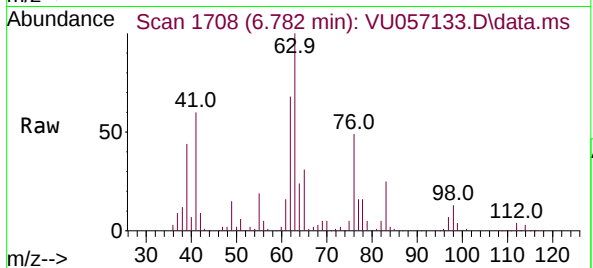
ClientSampleId :

Tgt Ion: 63 Resp: 270387

Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



#38

Bromodichloromethane

Concen: 20.211 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

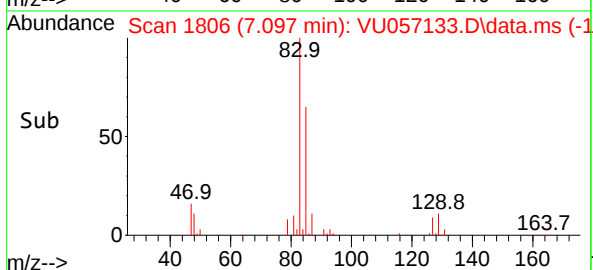
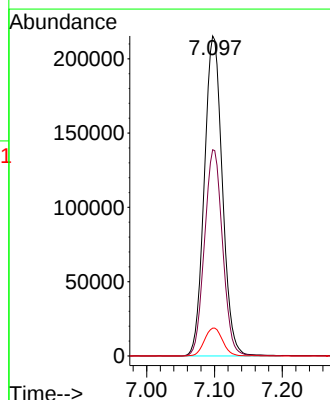
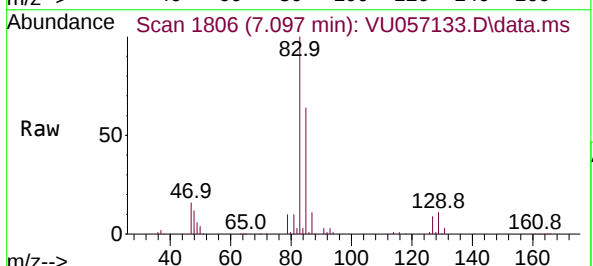
Tgt Ion: 83 Resp: 398049

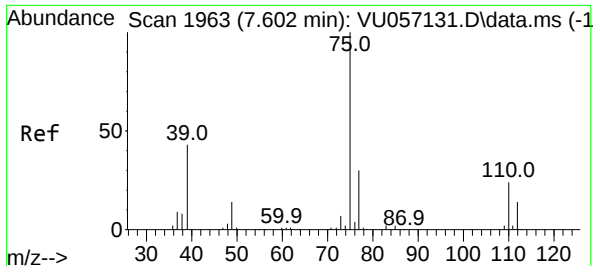
Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.0

127 8.7 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 20.139 ug/L

RT: 7.599 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

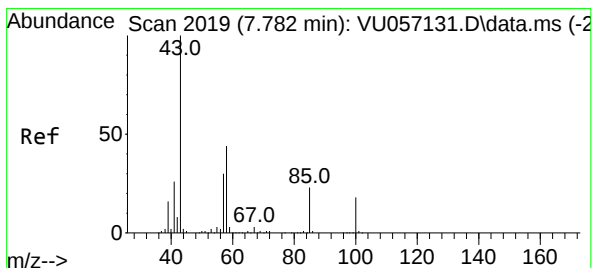
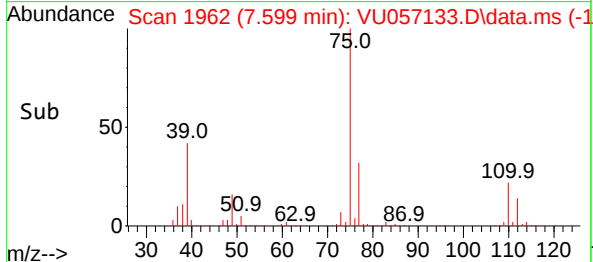
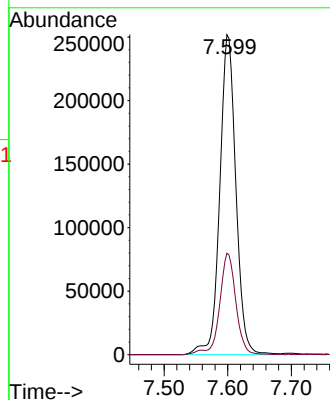
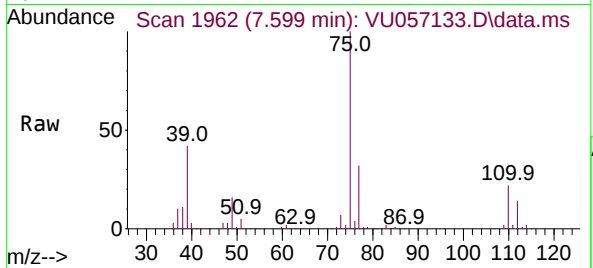
ClientSampleId :

Tgt Ion: 75 Resp: 443408

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 179.557 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.003 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

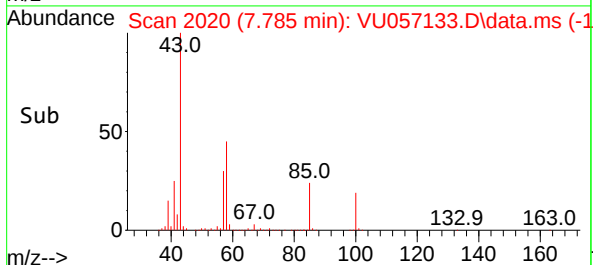
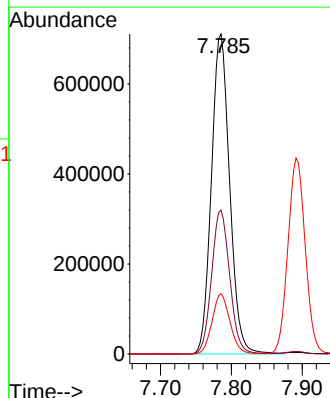
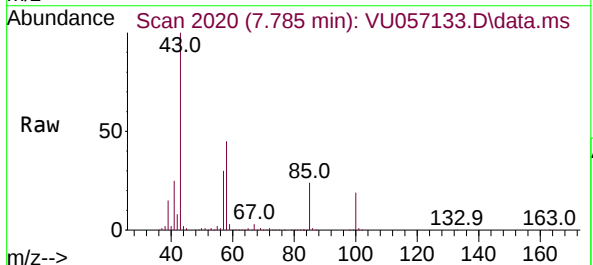
Tgt Ion: 43 Resp: 1269818

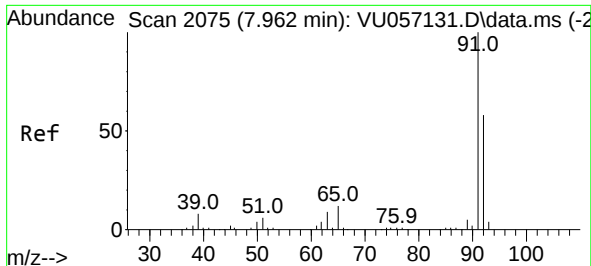
Ion Ratio Lower Upper

43 100

58 44.8 34.8 52.2

100 18.5 14.6 21.8





#42

Toluene

Concen: 19.495 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

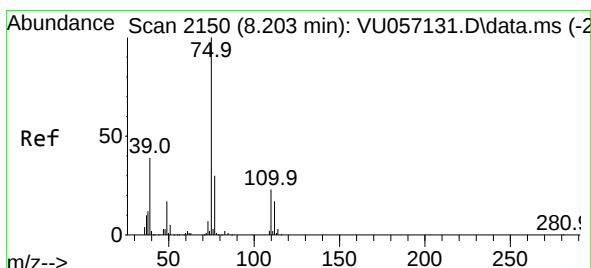
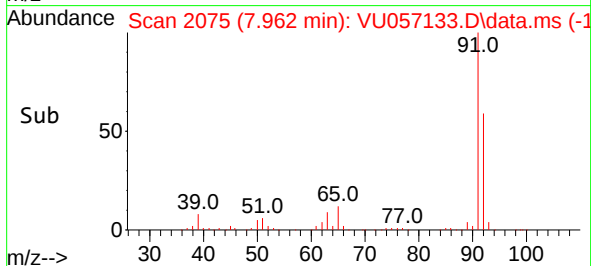
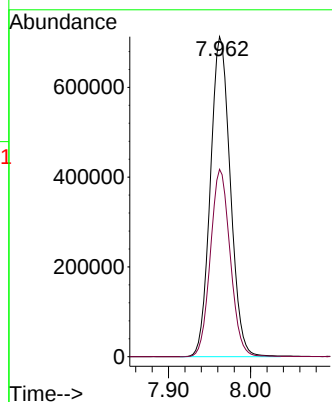
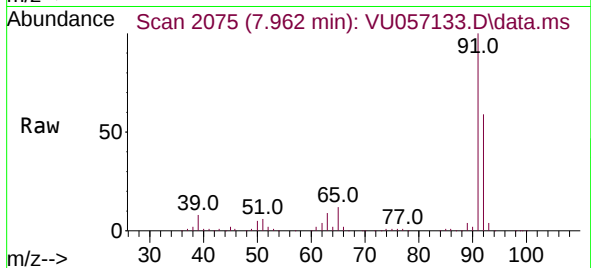
ClientSampleId :

Tgt Ion: 91 Resp: 1203497

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 19.987 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057133.D

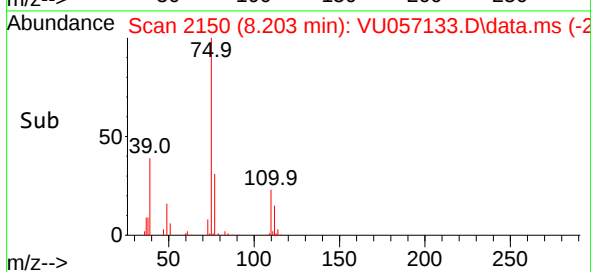
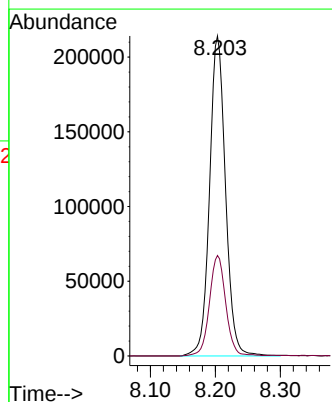
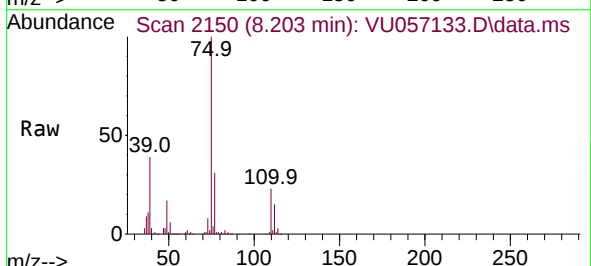
Acq: 21 Dec 2023 13:03

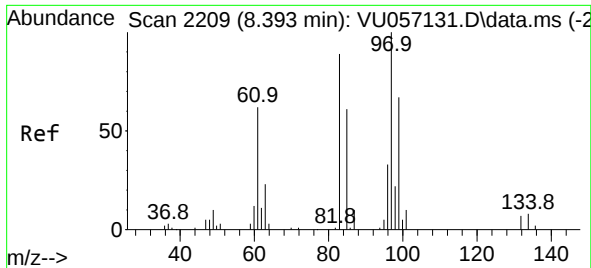
Tgt Ion: 75 Resp: 365488

Ion Ratio Lower Upper

75 100

77 31.4 21.4 39.8



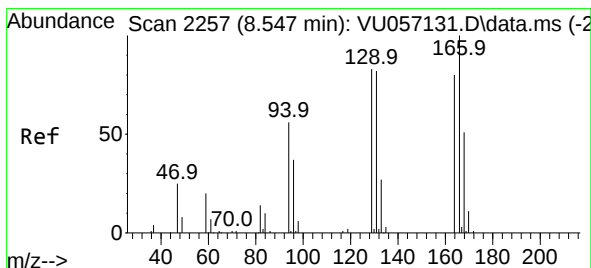
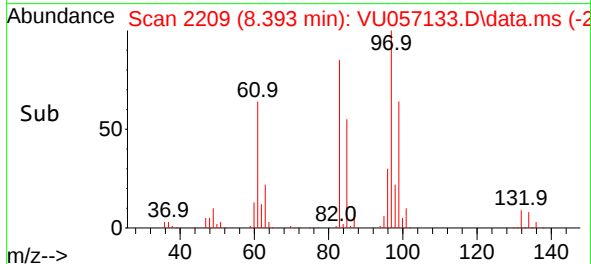
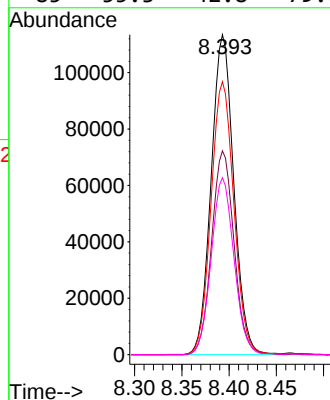
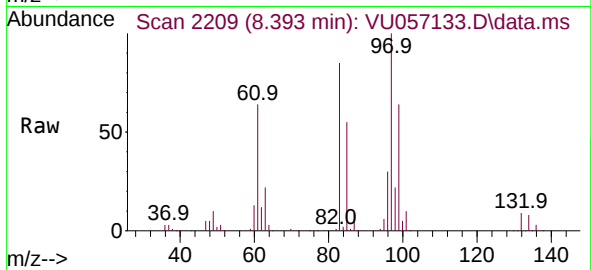


#45
1,1,2-Trichloroethane
Concen: 18.522 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 188815

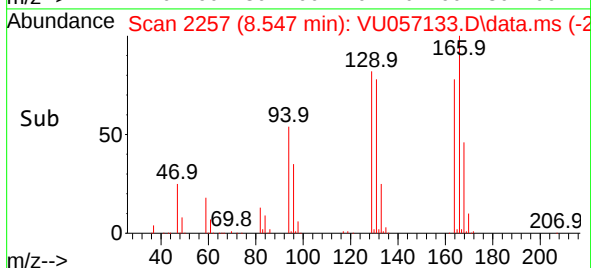
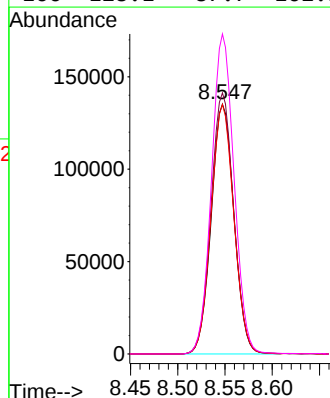
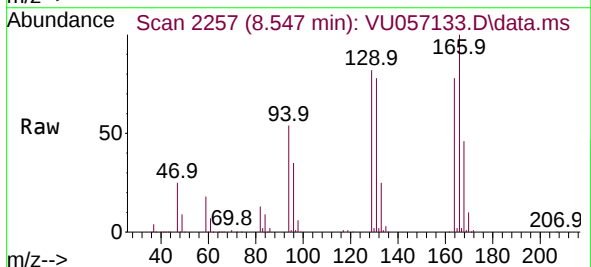
Ion	Ratio	Lower	Upper
97	100		
99	63.7	47.0	87.2
83	85.3	62.1	115.3
85	55.3	42.8	79.6

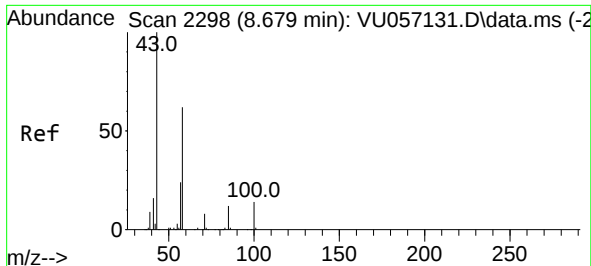


#47
Tetrachloroethene
Concen: 19.601 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 164 Resp: 226729

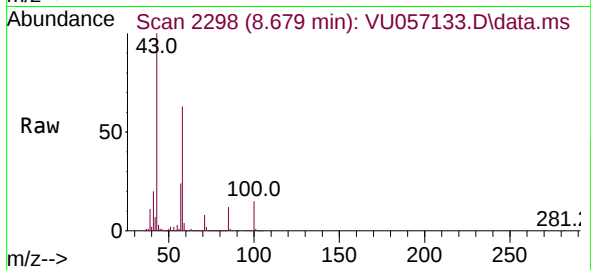
Ion	Ratio	Lower	Upper
164	100		
129	104.5	72.9	135.3
131	100.0	71.7	133.3
166	128.1	87.7	162.9



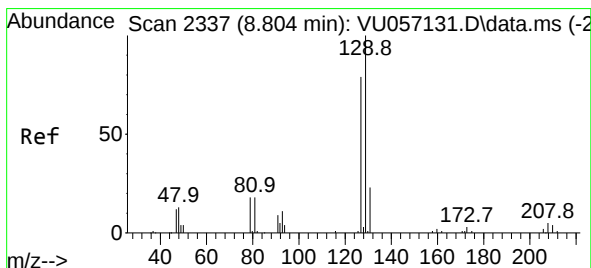
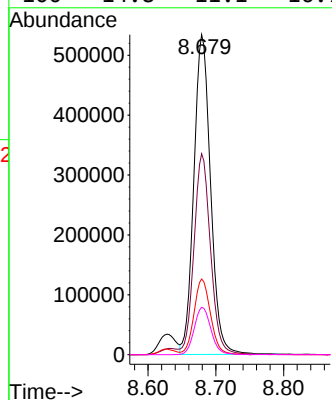
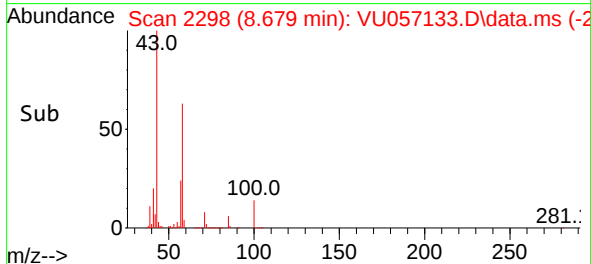


#48
2-Hexanone
Concen: 181.470 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Instrument :
MSVOA_U
ClientSampleId :

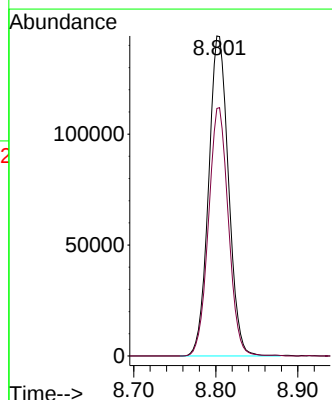
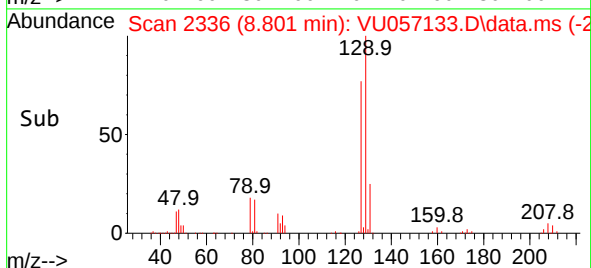
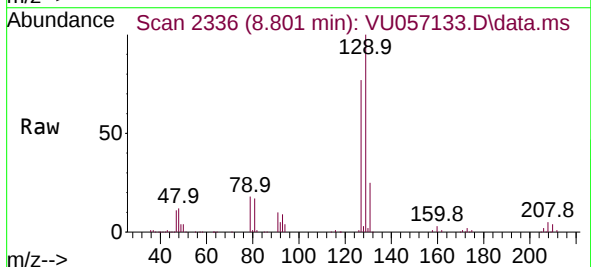


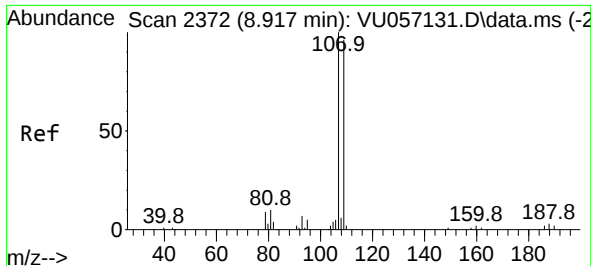
Tgt Ion:	43	Resp:	918328
Ion	Ratio	Lower	Upper
43	100		
58	61.9	49.8	74.8
57	23.5	18.5	27.7
100	14.8	11.1	16.7



#49
Dibromochloromethane
Concen: 20.276 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion:	129	Resp:	243250
Ion	Ratio	Lower	Upper
129	100		
127	77.4	55.2	102.6





#50

1,2-Dibromoethane

Concen: 18.870 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

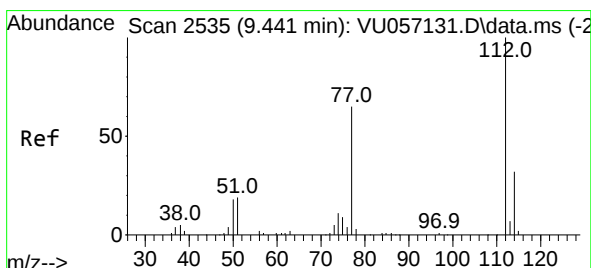
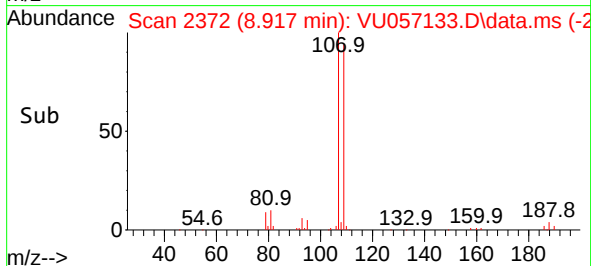
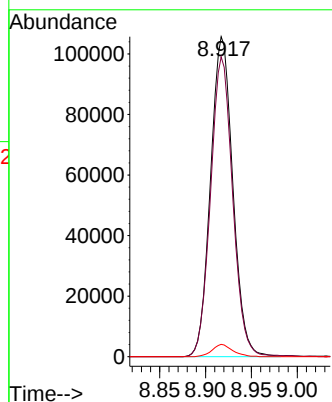
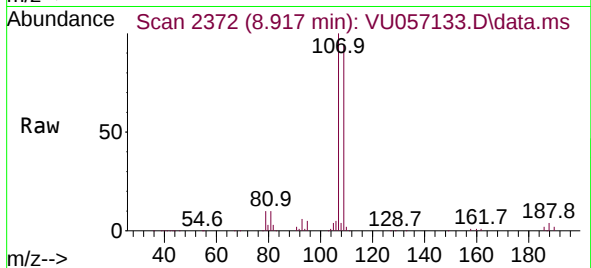
Tgt Ion:107 Resp: 178433

Ion Ratio Lower Upper

107 100

109 93.7 66.8 124.2

188 3.8 2.6 4.0



#51

Chlorobenzene

Concen: 19.202 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

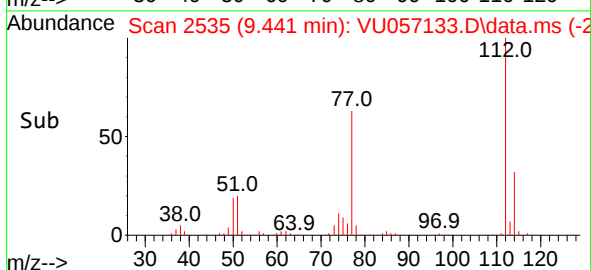
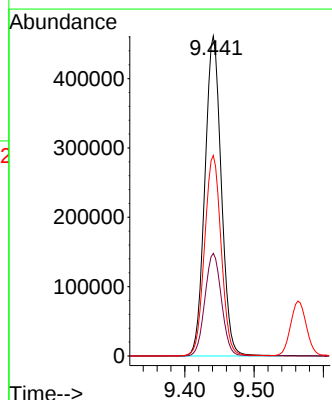
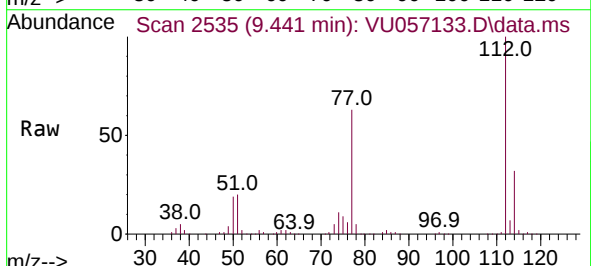
Tgt Ion:112 Resp: 756579

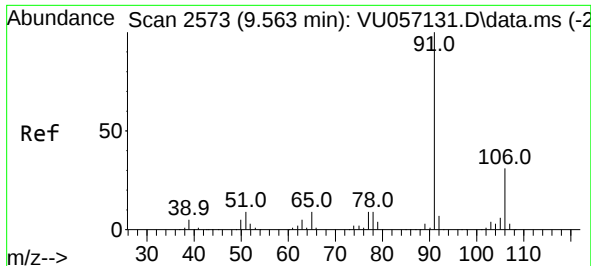
Ion Ratio Lower Upper

112 100

114 32.1 22.7 42.1

77 62.7 52.2 78.2

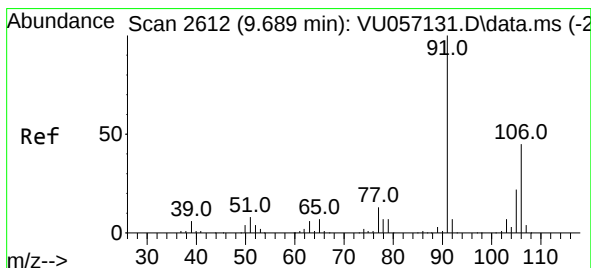
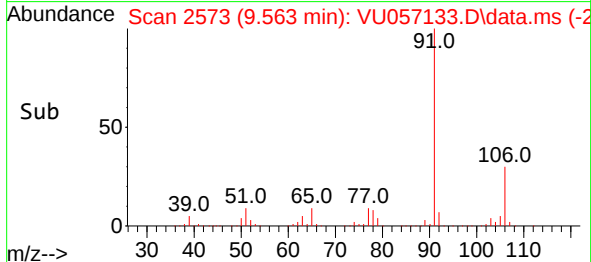
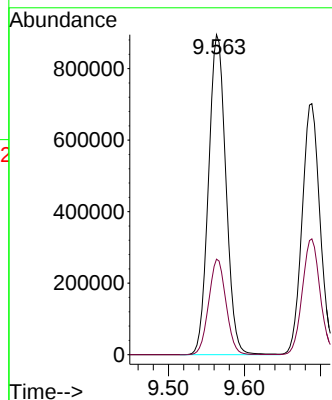
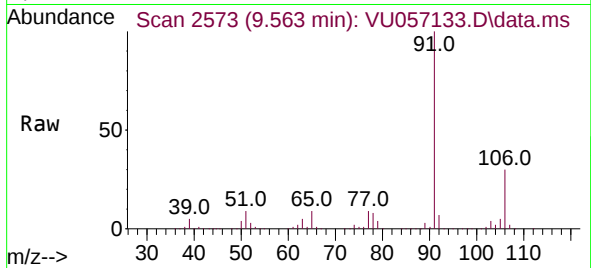




#52
Ethylbenzene
Concen: 20.838 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

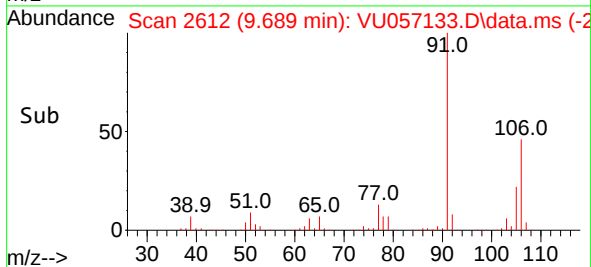
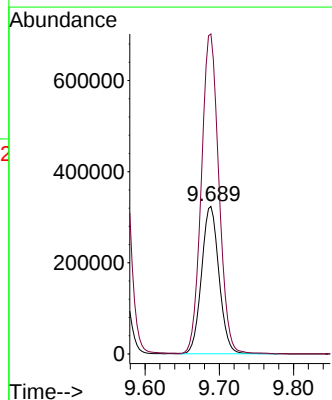
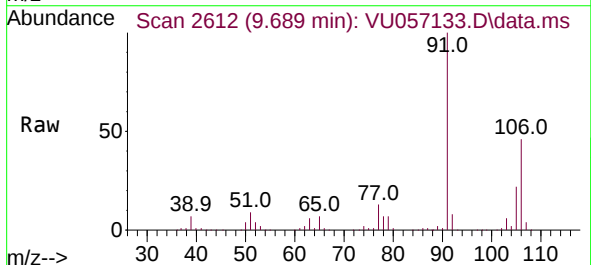
Instrument :
MSVOA_U
ClientSampleId :

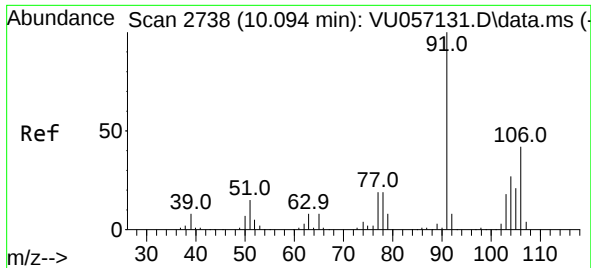
Tgt Ion: 91 Resp: 1418957
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.2



#53
m,p-Xylene
Concen: 20.788 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 106 Resp: 528181
Ion Ratio Lower Upper
106 100
91 216.8 154.5 286.9

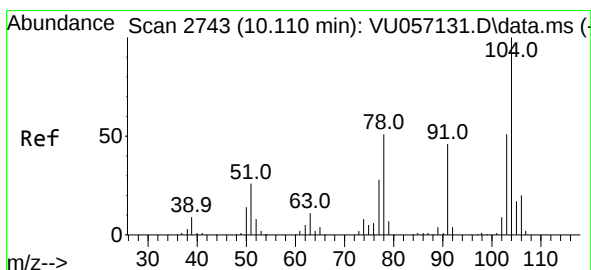
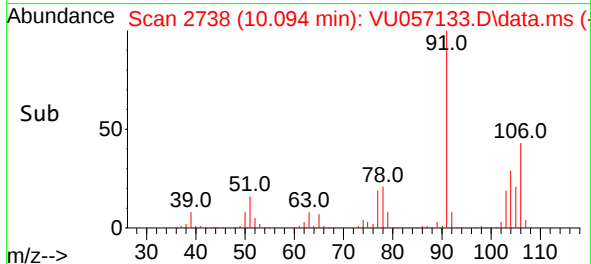
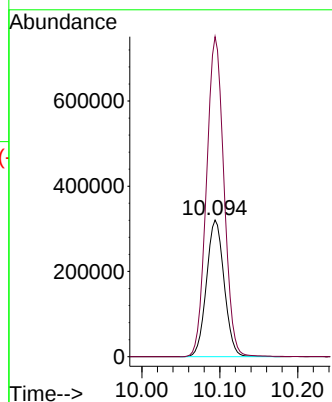
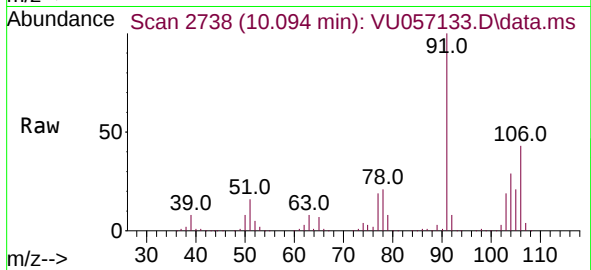




#54
o-Xylene
Concen: 20.847 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

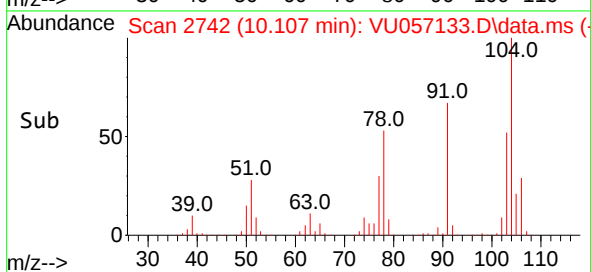
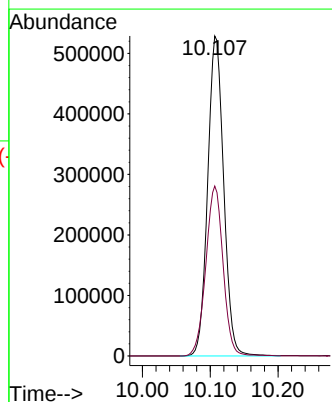
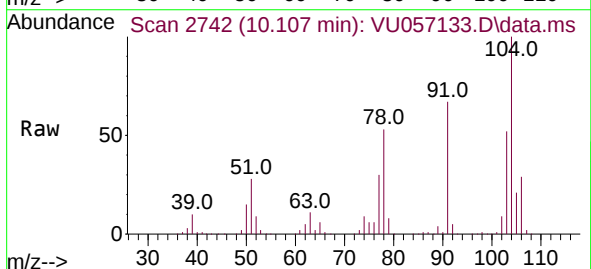
Instrument :
MSVOA_U
ClientSampleId :

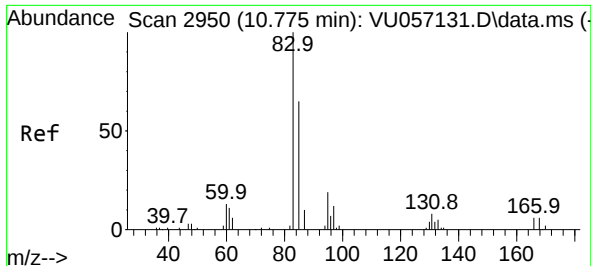
Tgt Ion:106 Resp: 504850
Ion Ratio Lower Upper
106 100
91 234.1 165.4 307.2



#55
Styrene
Concen: 21.786 ug/L
RT: 10.107 min Scan# 2742
Delta R.T. -0.003 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion:104 Resp: 866935
Ion Ratio Lower Upper
104 100
78 53.1 35.8 66.6

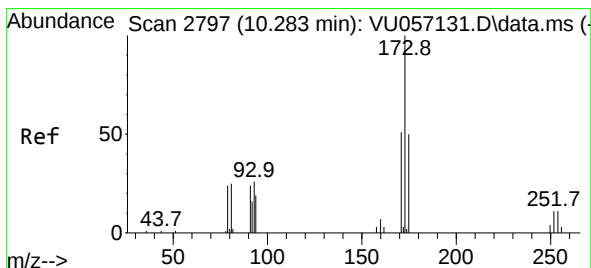
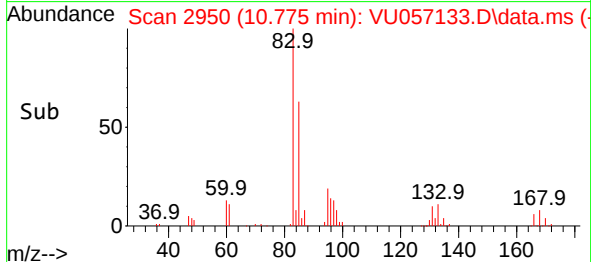
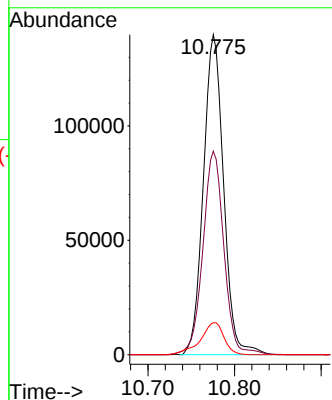
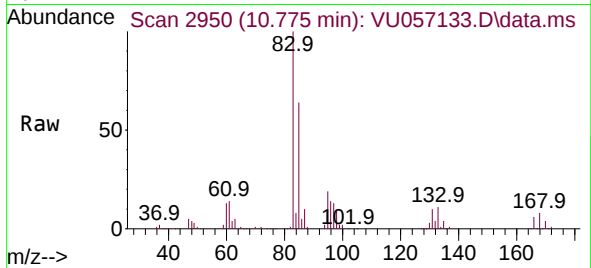




#57
1,1,2,2-Tetrachloroethane
Concen: 18.239 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

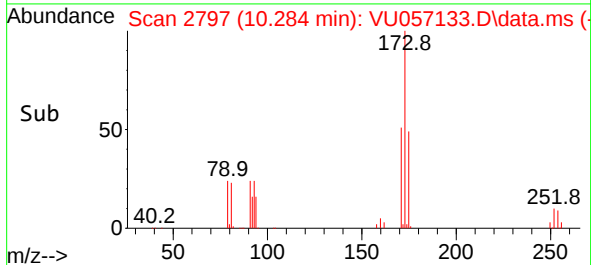
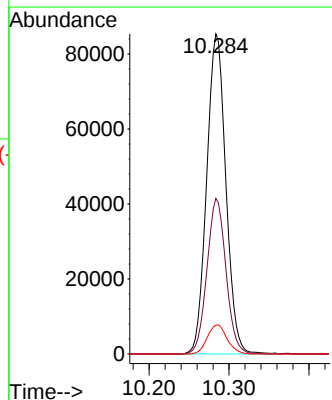
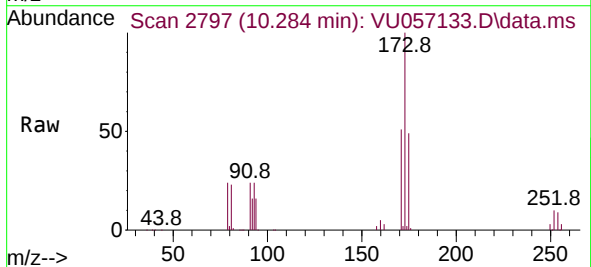
Instrument :
MSVOA_U
ClientSampleId :

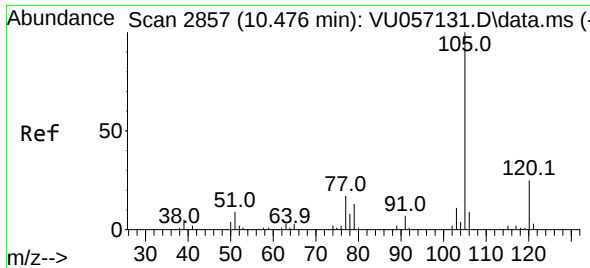
Tgt Ion: 83 Resp: 226679
Ion Ratio Lower Upper
83 100
85 63.6 45.8 85.2
131 10.0 7.0 10.6



#59
Bromoform
Concen: 19.153 ug/L
RT: 10.284 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion:173 Resp: 142411
Ion Ratio Lower Upper
173 100
175 48.2 40.5 60.7
254 9.3 8.1 12.1

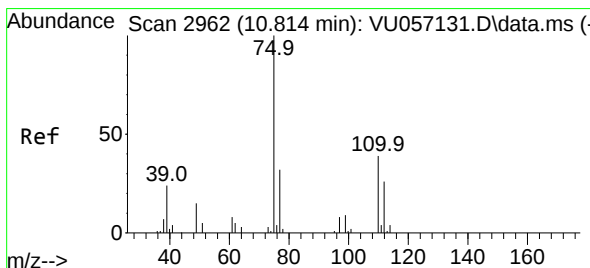
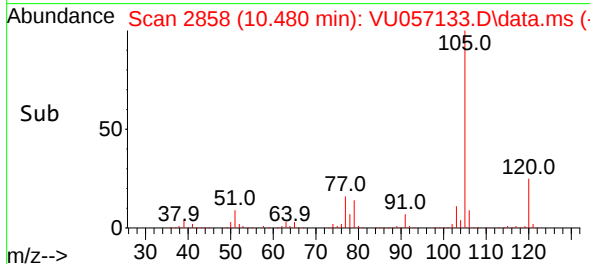
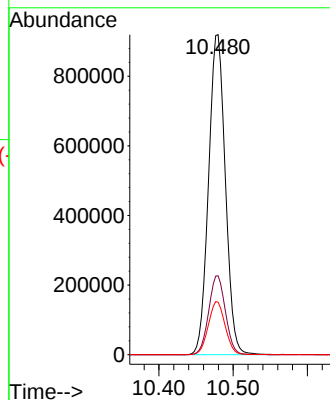
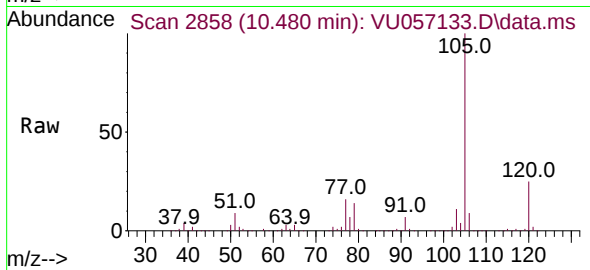




#60
Isopropylbenzene
Concen: 20.074 ug/L
RT: 10.480 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

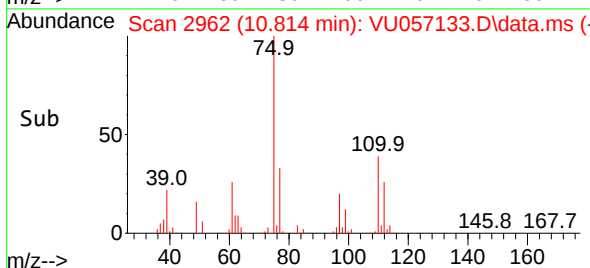
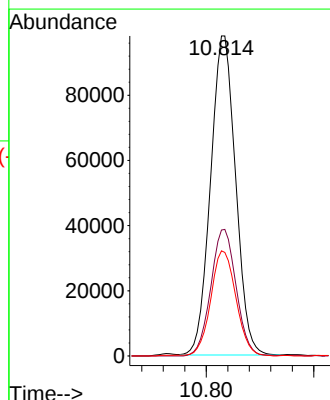
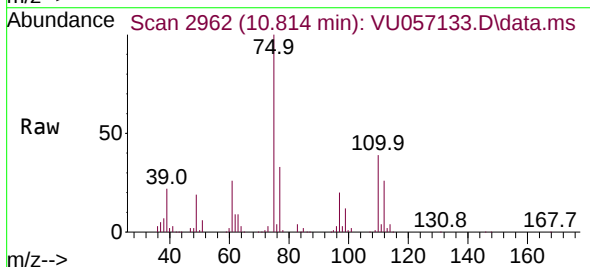
Instrument :
MSVOA_U
ClientSampleId :

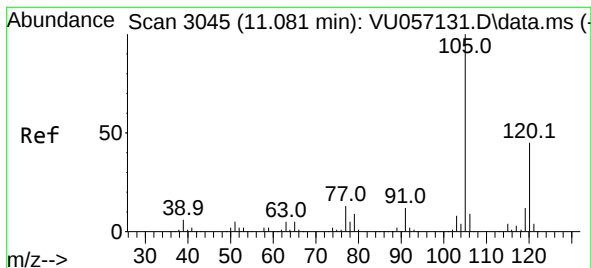
Tgt Ion:105 Resp: 1441001
Ion Ratio Lower Upper
105 100
120 24.6 19.8 29.8
77 16.6 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 16.453 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU057133.D
Acq: 21 Dec 2023 13:03

Tgt Ion: 75 Resp: 158163
Ion Ratio Lower Upper
75 100
110 40.1 31.2 46.8
77 33.5 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 20.922 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

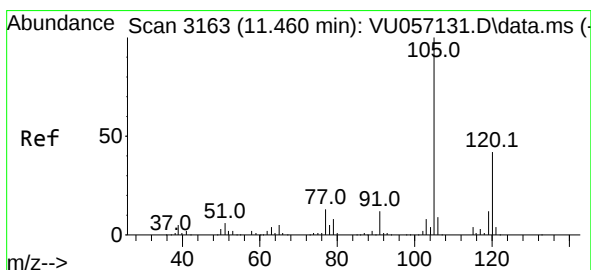
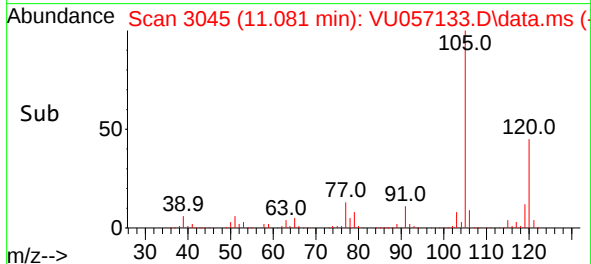
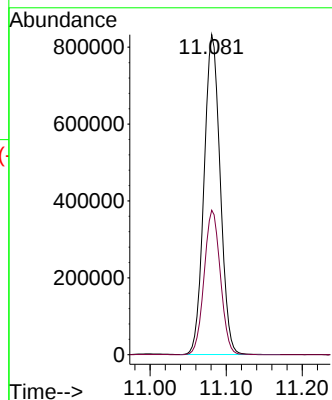
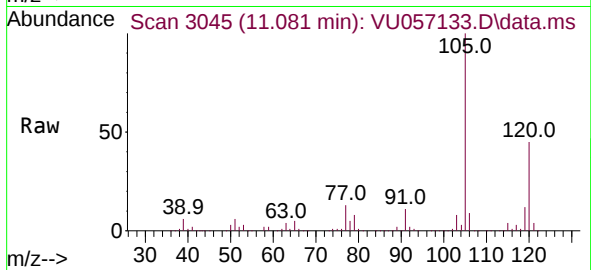
ClientSampleId :

Tgt Ion:105 Resp: 1228473

Ion Ratio Lower Upper

105 100

120 45.4 35.8 53.8



#63

1,2,4-Trimethylbenzene

Concen: 21.139 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU057133.D

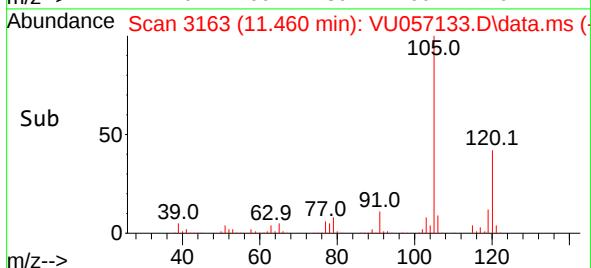
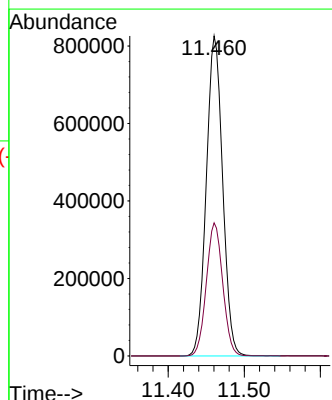
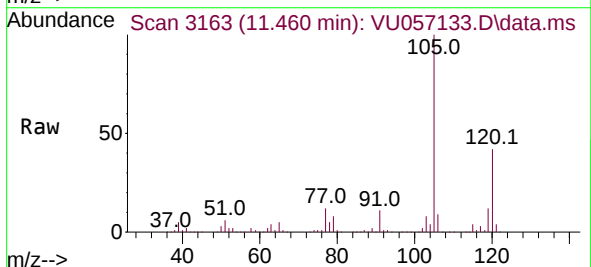
Acq: 21 Dec 2023 13:03

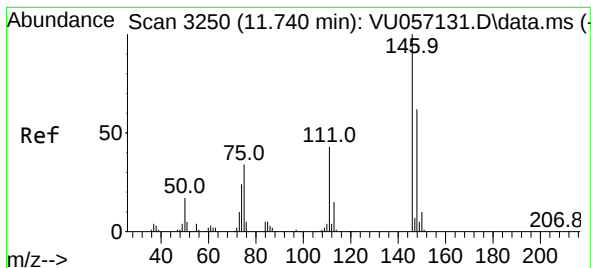
Tgt Ion:105 Resp: 1230978

Ion Ratio Lower Upper

105 100

120 41.8 33.9 50.9





#64

1,3-Dichlorobenzene

Concen: 18.682 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

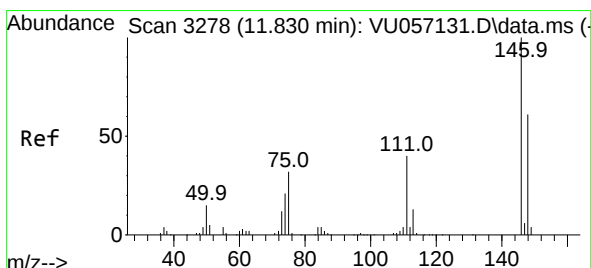
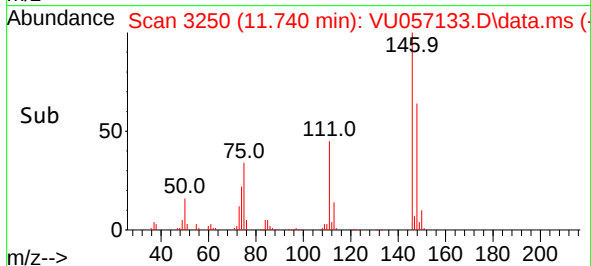
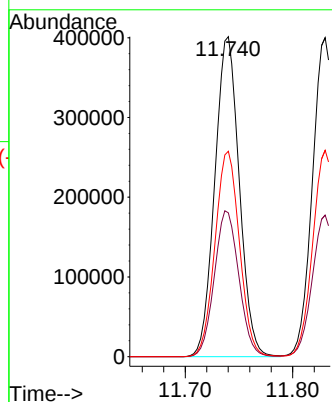
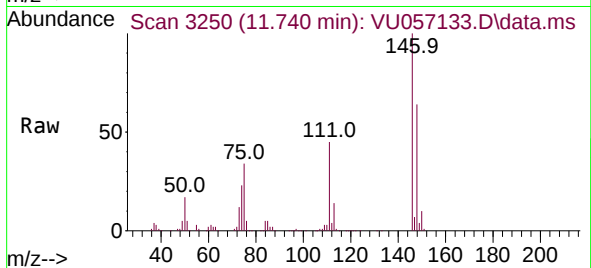
Tgt Ion:146 Resp: 635191

Ion Ratio Lower Upper

146 100

111 45.0 30.4 56.4

148 64.2 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 18.421 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

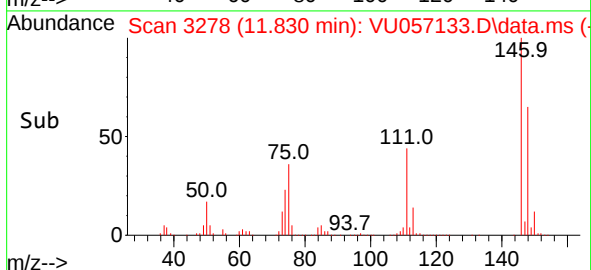
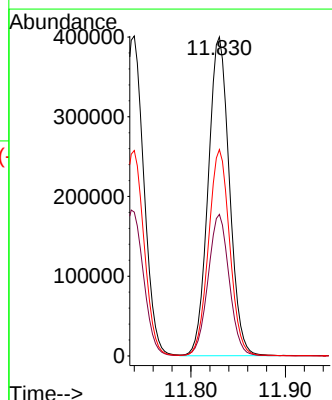
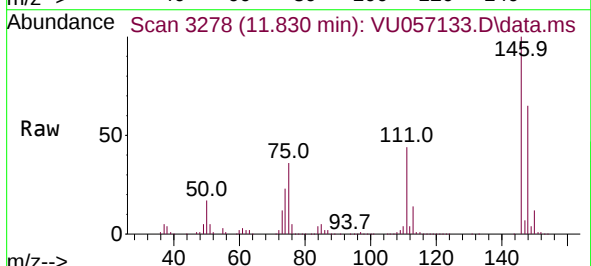
Tgt Ion:146 Resp: 623112

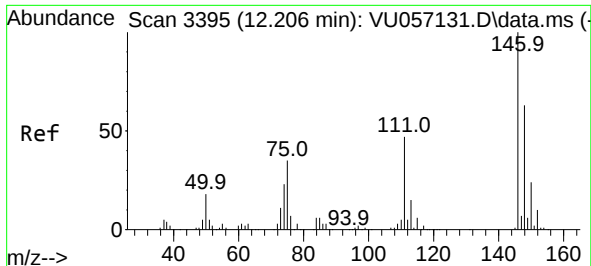
Ion Ratio Lower Upper

146 100

111 44.4 28.1 52.3

148 64.7 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 18.219 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

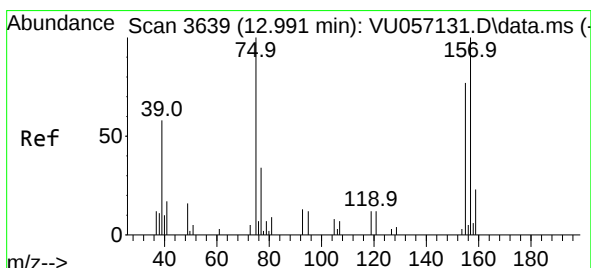
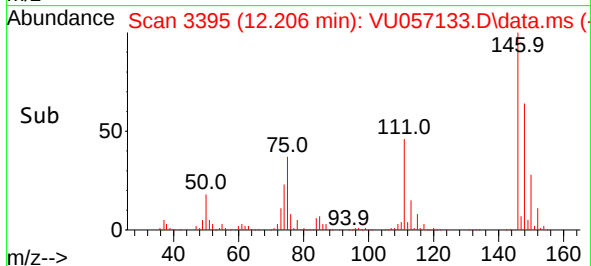
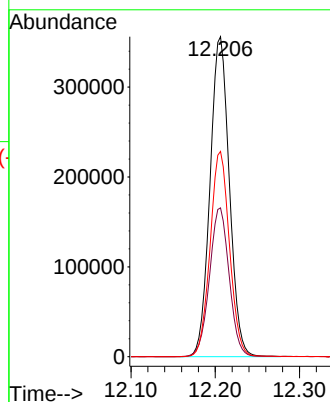
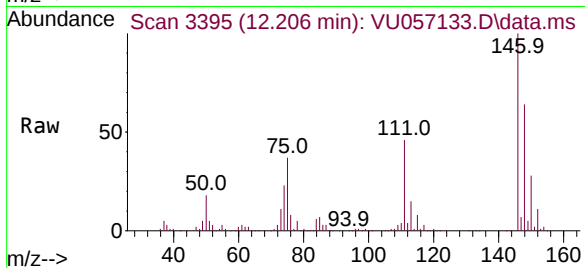
Tgt Ion:146 Resp: 566653

Ion Ratio Lower Upper

146 100

111 46.5 37.9 56.9

148 64.1 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 19.532 ug/L

RT: 12.988 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

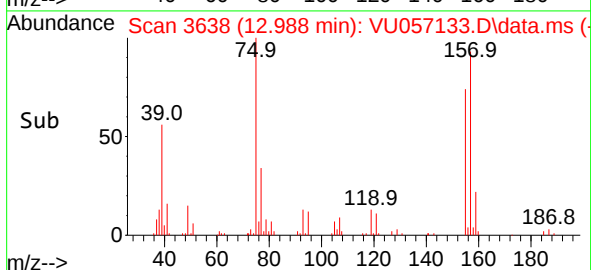
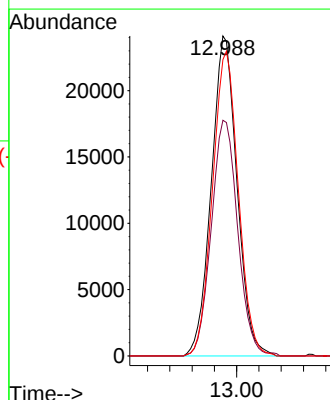
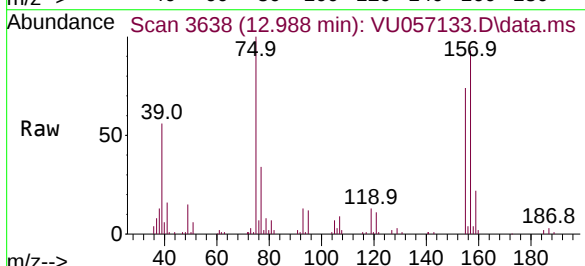
Tgt Ion: 75 Resp: 38676

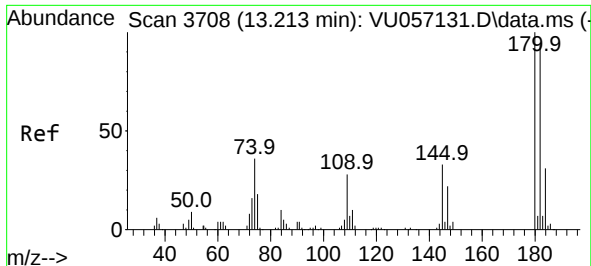
Ion Ratio Lower Upper

75 100

155 73.6 61.4 92.0

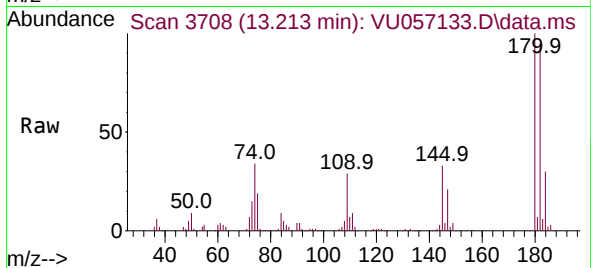
157 92.6 80.2 120.2



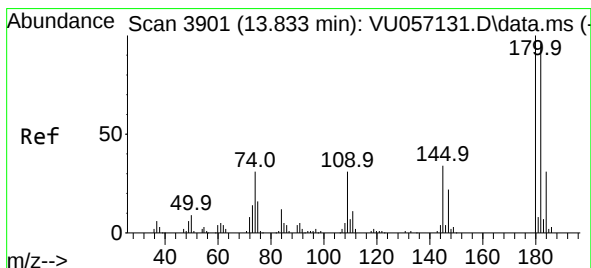
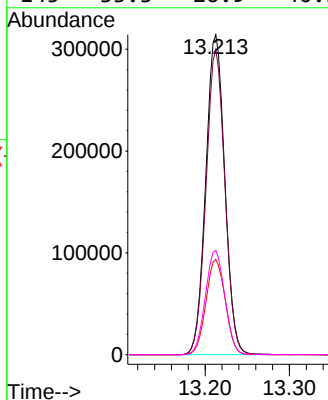
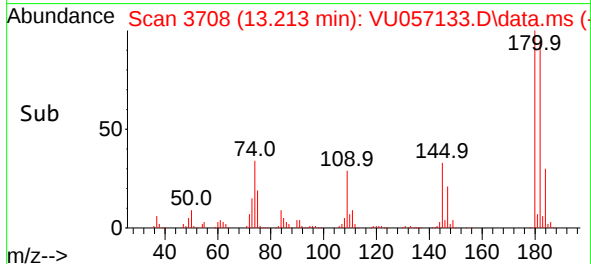


#69
 1,3,5-Trichlorobenzene
 Concen: 19.166 ug/L
 RT: 13.213 min Scan# 3708
 Delta R.T. 0.000 min
 Lab File: VU057133.D
 Acq: 21 Dec 2023 13:03

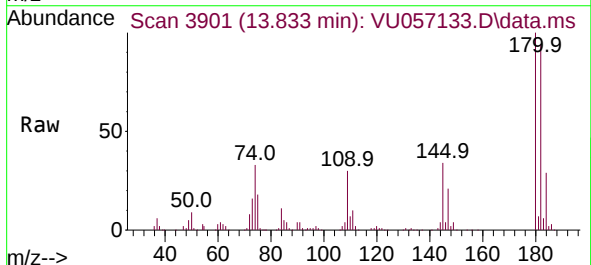
Instrument :
 MSVOA_U
 ClientSampleId :



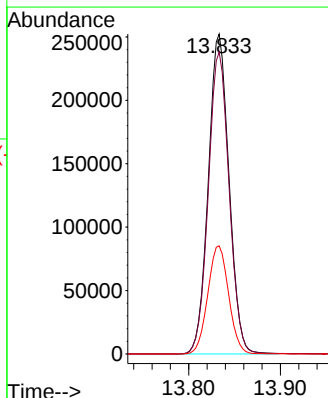
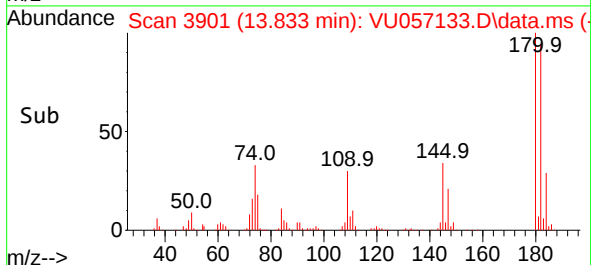
Tgt Ion:180 Resp: 494380
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.6 113.4
 184 30.2 24.2 36.2
 145 33.3 26.9 40.3

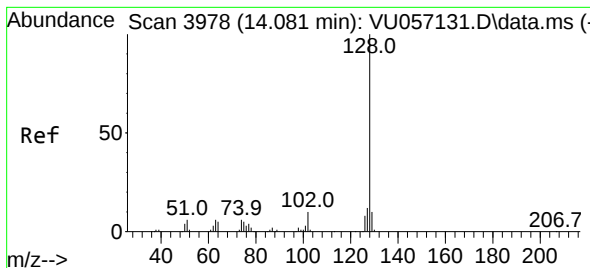


#70
 1,2,4-trichlorobenzene
 Concen: 19.414 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU057133.D
 Acq: 21 Dec 2023 13:03



Tgt Ion:180 Resp: 395804
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.0
 145 34.1 27.7 41.5





#71

Naphthalene

Concen: 18.634 ug/L

RT: 14.078 min Scan# 3978

Delta R.T. -0.003 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Instrument :

MSVOA_U

ClientSampleId :

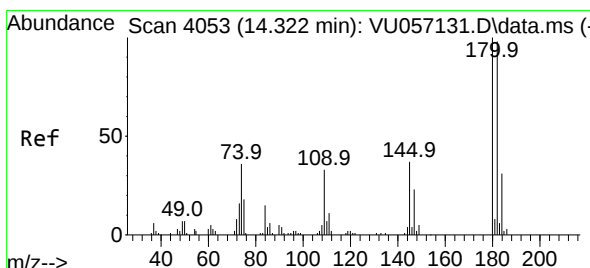
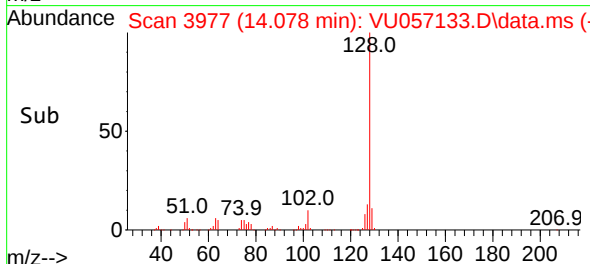
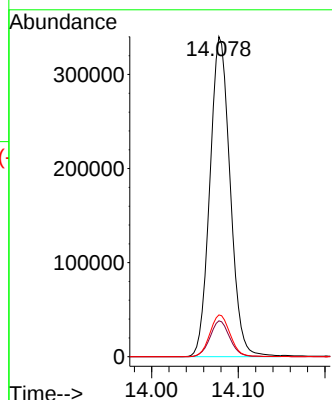
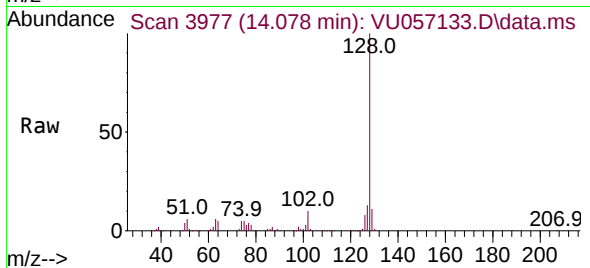
Tgt Ion:128 Resp: 552727

Ion Ratio Lower Upper

128 100

129 11.0 8.2 12.4

127 13.1 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 17.856 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU057133.D

Acq: 21 Dec 2023 13:03

Tgt Ion:180 Resp: 307181

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

145 36.4 28.9 43.3

