

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032124\
 Data File : VU058182.D
 Acq On : 21 Mar 2024 13:23
 Operator : MD/SY
 Sample : VSTD010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 22 04:40:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 22 04:38:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	91858	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	86869	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	43771	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80944	11.998	ug/L	0.00
7) Chloroethane-d5	1.911	69	65779	11.809	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	34738	12.019	ug/L	0.00
20) 2-Butanone-d5	4.621	46	155532	137.897	ug/L	0.00
24) Chloroform-d	5.052	84	149497	11.852	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	69721	12.094	ug/L	0.00
32) Benzene-d6	5.718	84	304233	11.918	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	90372	11.703	ug/L	0.00
41) Toluene-d8	7.891	98	274947	11.938	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	30299	11.681	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	127094	141.309	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	59092	12.515	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.184	152	86592	11.879	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	50565	9.811	ug/L	99
3) Chloromethane	1.515	50	61208	10.021	ug/L	96
5) Vinyl chloride	1.602	62	69178	10.598	ug/L	100
6) Bromomethane	1.856	94	38179	10.980	ug/L	100
8) Chloroethane	1.930	64	47246	11.324	ug/L	100
9) Trichlorofluoromethane	2.136	101	112253	11.744	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	71221	11.831	ug/L	97
12) 1,1-Dichloroethene	2.576	96	61219	11.661	ug/L	87
13) Acetone	2.640	43	125157	156.222	ug/L	97
14) Carbon disulfide	2.788	76	141738	9.043	ug/L	100
15) Methyl Acetate	2.949	43	24113	13.552	ug/L	93
16) Methylene chloride	3.039	84	76612	11.758	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	169675	13.292	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	65862	11.475	ug/L	97
19) 1,1-Dichloroethane	3.859	63	145873	12.484	ug/L	99
21) 2-Butanone	4.702	43	191477	151.568	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	80831	12.575	ug/L	97
23) Bromochloromethane	4.965	128	31844	13.284	ug/L	96
25) Chloroform	5.078	83	151540	12.627	ug/L	97
27) 1,2-Dichloroethane	5.785	62	88275	13.299	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	124097	12.429	ug/L	99
30) Cyclohexane	5.380	56	109588	11.229	ug/L	99
31) Carbon tetrachloride	5.518	117	105215	12.252	ug/L	99
33) Benzene	5.766	78	312593	12.181	ug/L	100
34) Trichloroethene	6.534	95	80389	11.903	ug/L	97
35) Methylcyclohexane	6.756	83	118374	11.736	ug/L	99
37) 1,2-Dichloropropane	6.782	63	88283	13.229	ug/L	100
38) Bromodichloromethane	7.097	83	106300	13.219	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	118776	13.069	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	462250	149.523	ug/L	100
42) Toluene	7.962	91	339116	12.732	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	96701	13.338	ug/L	100

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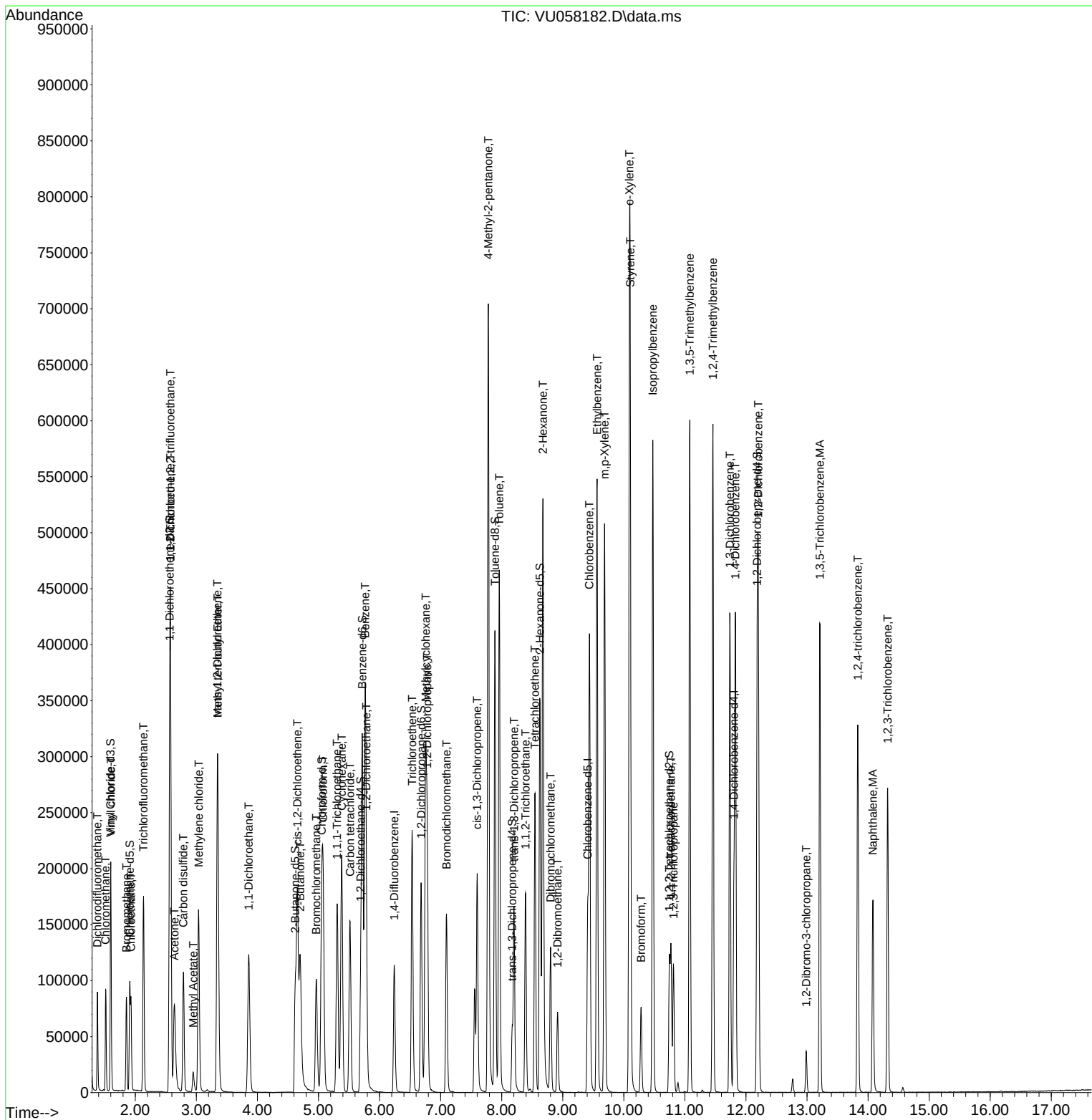
Instrument :
 MSVOA_U
 ClientSampleId :

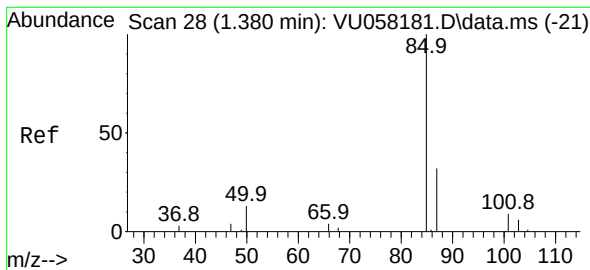
Quant Time: Mar 22 04:40:46 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	55625	13.920	ug/L	98
47) Tetrachloroethene	8.544	164	55520	11.893	ug/L	99
48) 2-Hexanone	8.676	43	344342	152.299	ug/L	97
49) Dibromochloromethane	8.801	129	65051	13.931	ug/L	98
50) 1,2-Dibromoethane	8.917	107	48579	13.778	ug/L	96
51) Chlorobenzene	9.438	112	213835	12.667	ug/L	99
52) Ethylbenzene	9.563	91	385131	12.890	ug/L	99
53) m,p-Xylene	9.685	106	140540	13.207	ug/L	98
54) o-Xylene	10.094	106	140839	13.146	ug/L	100
55) Styrene	10.106	104	233352	13.979	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	65140	13.822	ug/L	97
59) Bromoform	10.283	173	33610	14.024	ug/L #	95
60) Isopropylbenzene	10.476	105	365129	12.857	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	48705	13.745	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	317588	13.264	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	320948	13.623	ug/L	97
64) 1,3-Dichlorobenzene	11.737	146	165940	12.768	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	158852	12.521	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	152533	13.375	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	9608	13.781	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	124059	13.313	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	97329	13.971	ug/L	98
71) Naphthalene	14.081	128	140000	14.717	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	78561	14.120	ug/L	97

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

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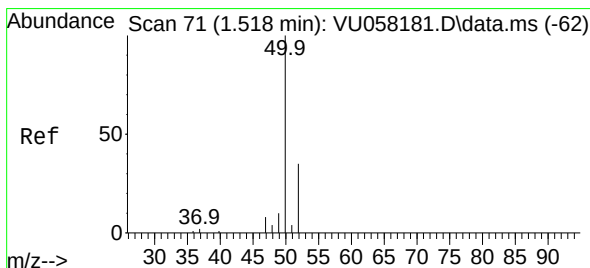
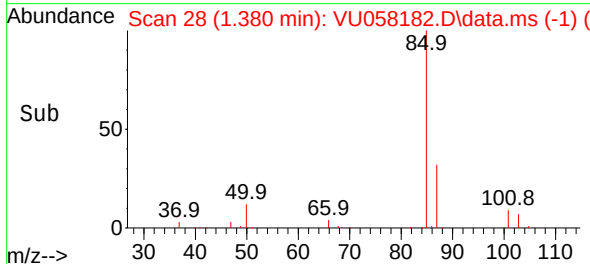
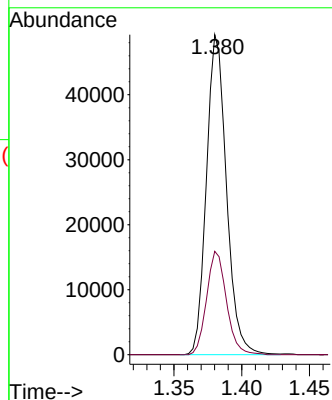
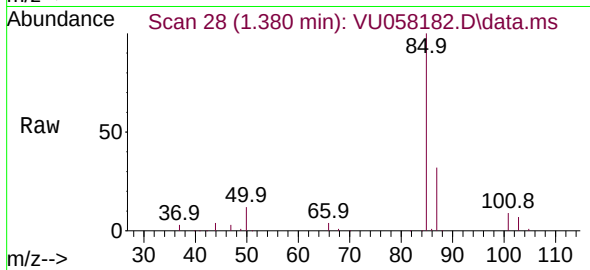




#2
 Dichlorodifluoromethane
 Concen: 9.811 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU058182.D
 Acq: 21 Mar 2024 13:23

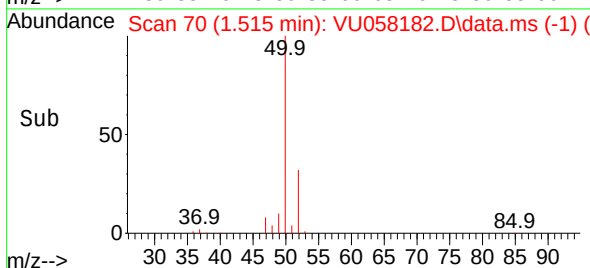
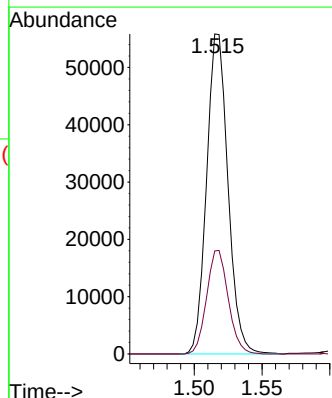
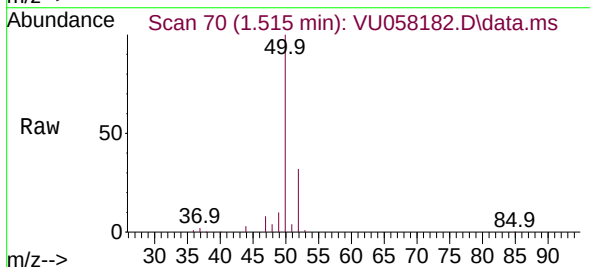
Instrument :
 MSVOA_U
 ClientSampleId :

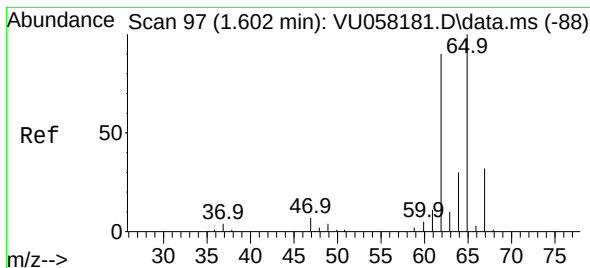
Tgt Ion: 85 Resp: 50565
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.8



#3
 Chloromethane
 Concen: 10.021 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU058182.D
 Acq: 21 Mar 2024 13:23

Tgt Ion: 50 Resp: 61208
 Ion Ratio Lower Upper
 50 100
 52 32.2 24.2 45.0





#5

Vinyl chloride

Concen: 10.598 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

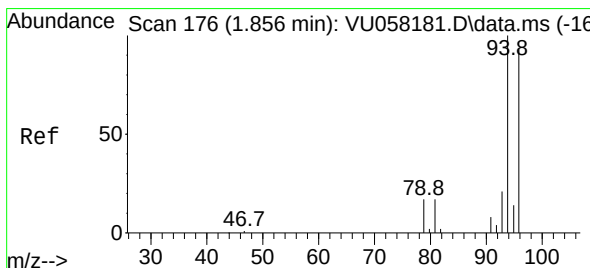
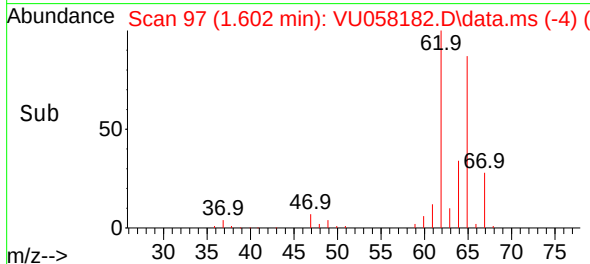
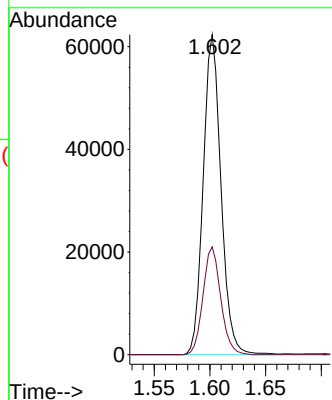
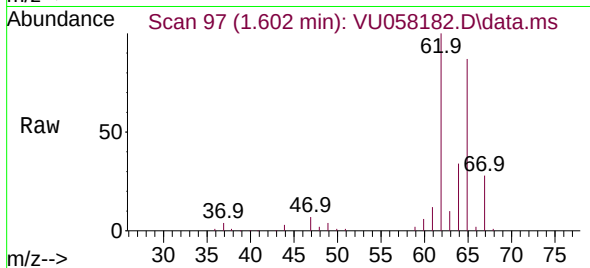
ClientSampleId :

Tgt Ion: 62 Resp: 69178

Ion Ratio Lower Upper

62 100

64 33.7 23.4 43.6



#6

Bromomethane

Concen: 10.980 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.000 min

Lab File: VU058182.D

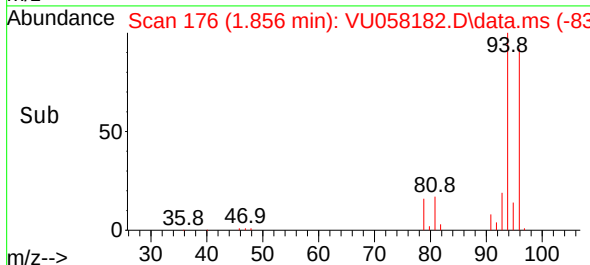
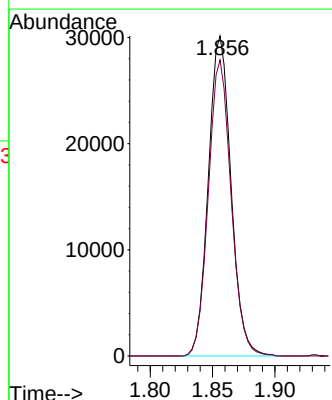
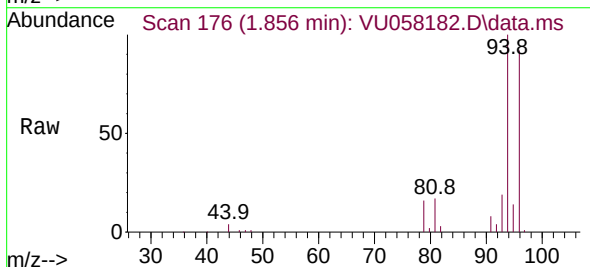
Acq: 21 Mar 2024 13:23

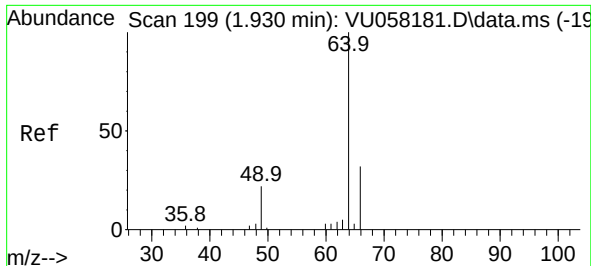
Tgt Ion: 94 Resp: 38179

Ion Ratio Lower Upper

94 100

96 92.5 64.8 120.4

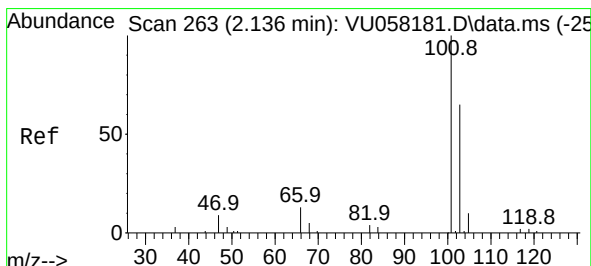
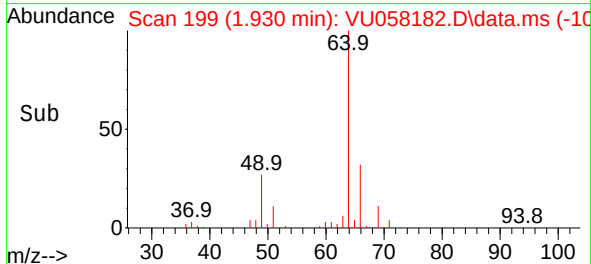
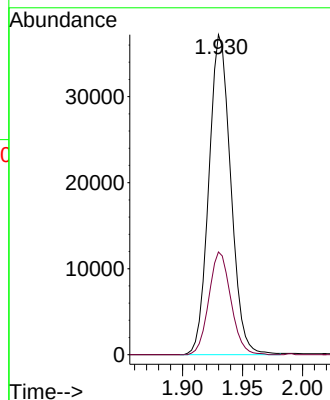
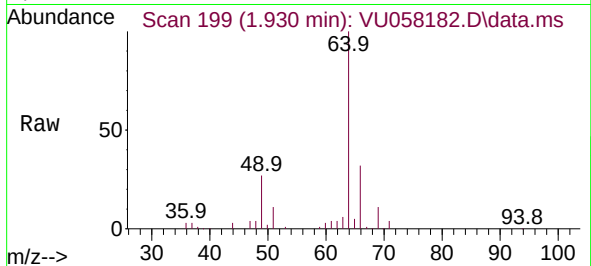




#8
Chloroethane
Concen: 11.324 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

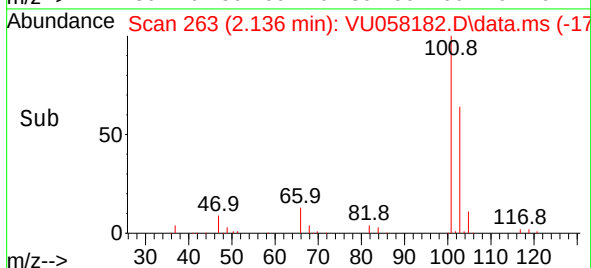
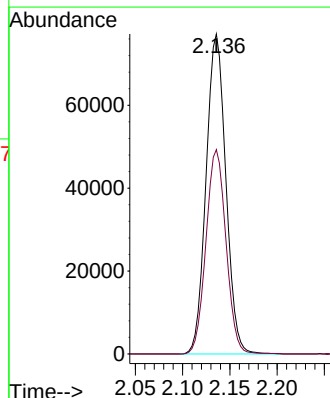
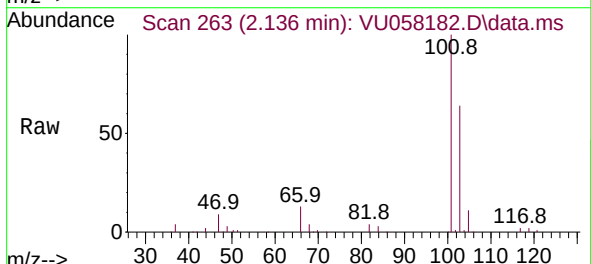
Instrument :
MSVOA_U
ClientSampleId :

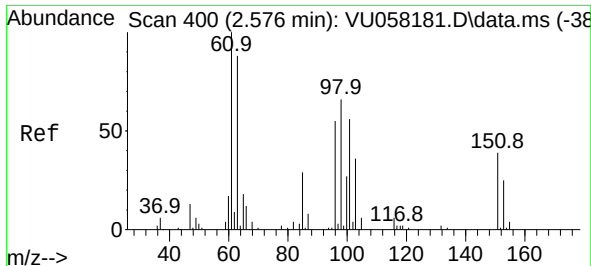
Tgt Ion: 64 Resp: 47246
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.9



#9
Trichlorofluoromethane
Concen: 11.744 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion:101 Resp: 112253
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

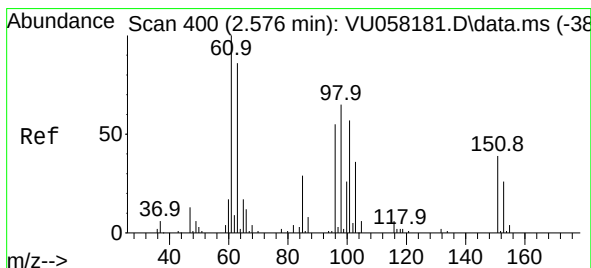
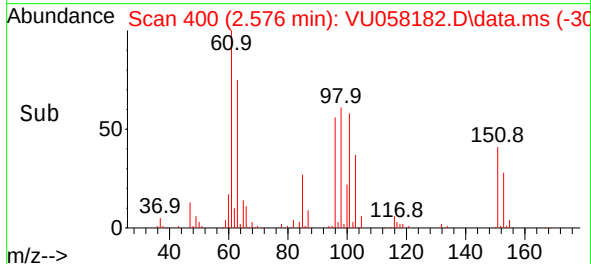
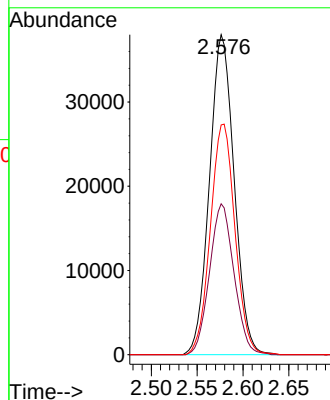
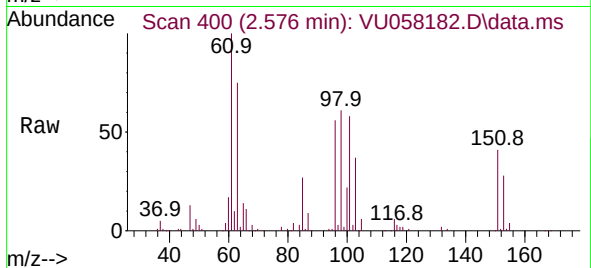




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.831 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

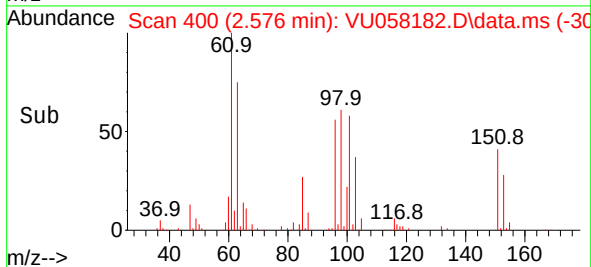
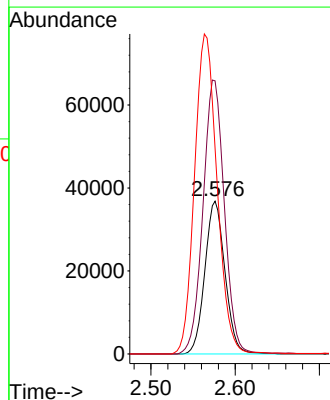
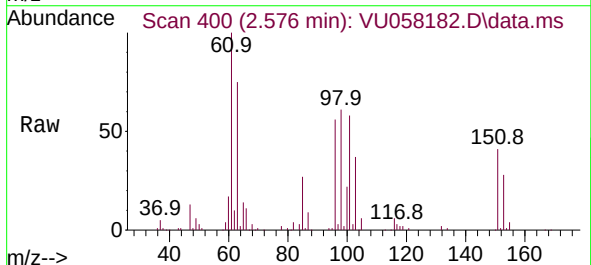
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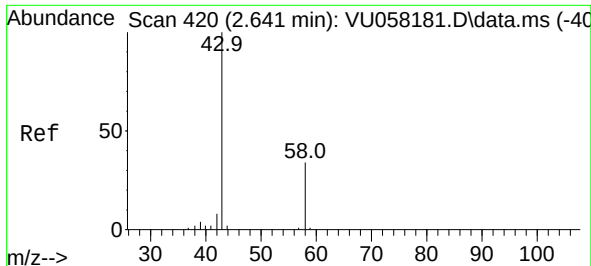
Tgt Ion:101 Resp: 71221
Ion Ratio Lower Upper
101 100
85 46.7 37.9 56.9
151 72.0 55.3 82.9



#12
1,1-Dichloroethene
Concen: 11.661 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion: 96 Resp: 61219
Ion Ratio Lower Upper
96 100
61 178.6 128.1 237.9
63 134.5 116.8 217.0





#13

Acetone

Concen: 156.222 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

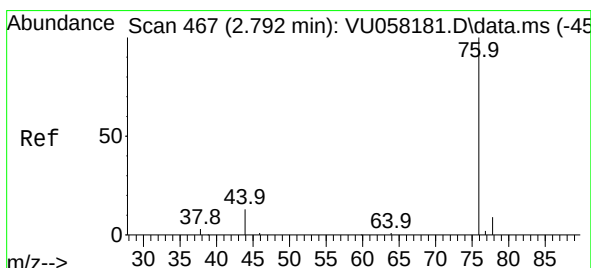
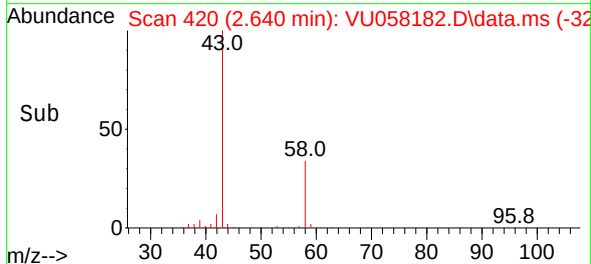
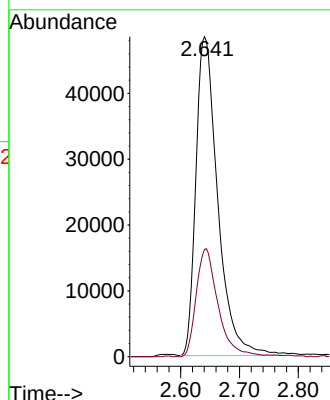
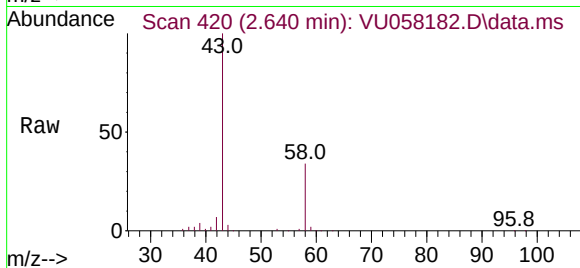
ClientSampleId :

Tgt Ion: 43 Resp: 125157

Ion Ratio Lower Upper

43 100

58 33.9 0.0 64.6



#14

Carbon disulfide

Concen: 9.043 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU058182.D

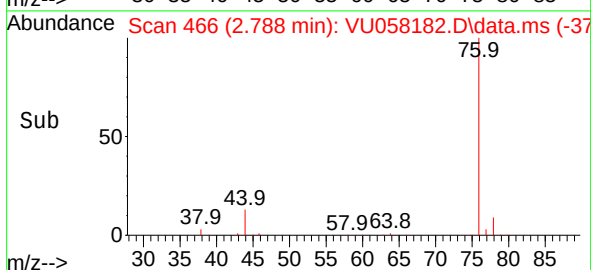
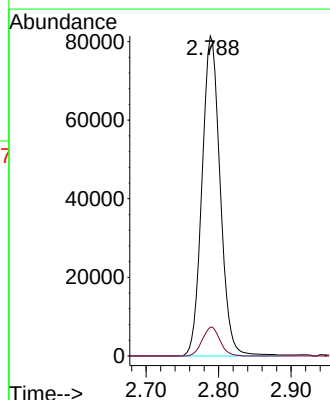
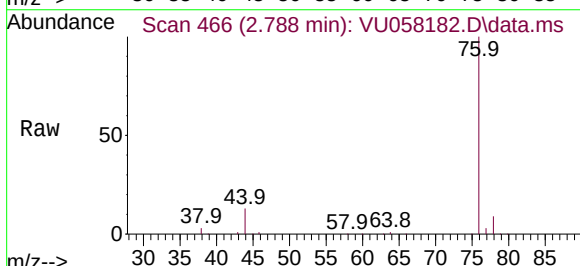
Acq: 21 Mar 2024 13:23

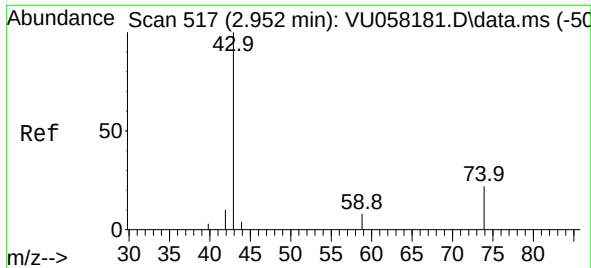
Tgt Ion: 76 Resp: 141738

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 13.552 ug/L

RT: 2.949 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

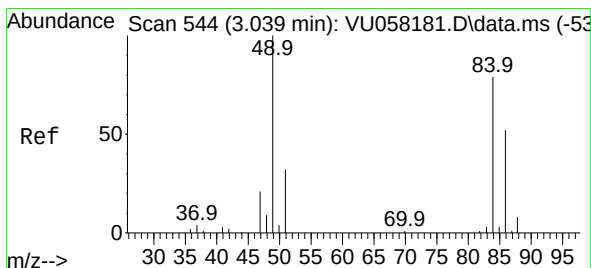
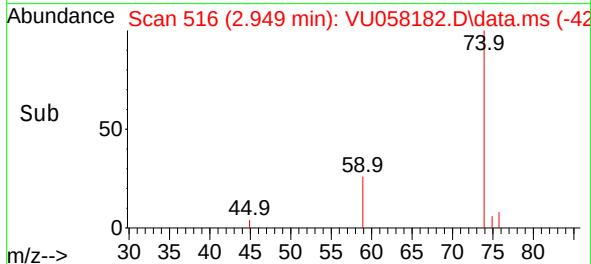
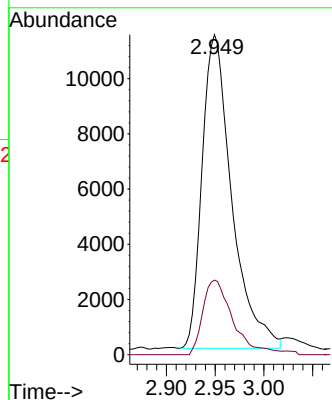
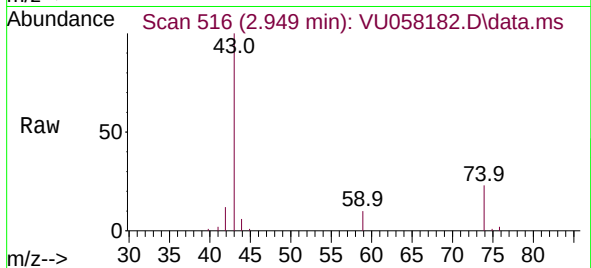
ClientSampleId :

Tgt Ion: 43 Resp: 24113

Ion Ratio Lower Upper

43 100

74 24.4 16.8 25.2



#16

Methylene chloride

Concen: 11.758 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

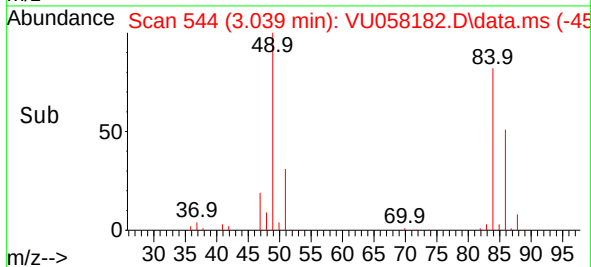
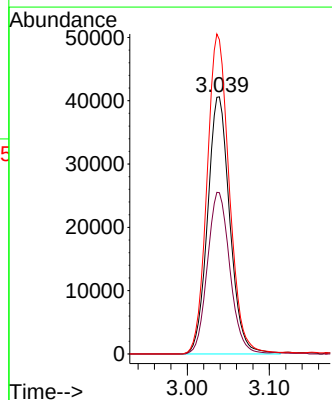
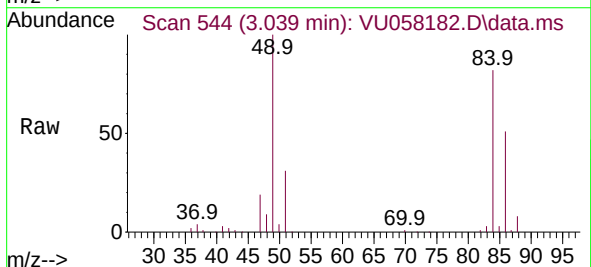
Tgt Ion: 84 Resp: 76612

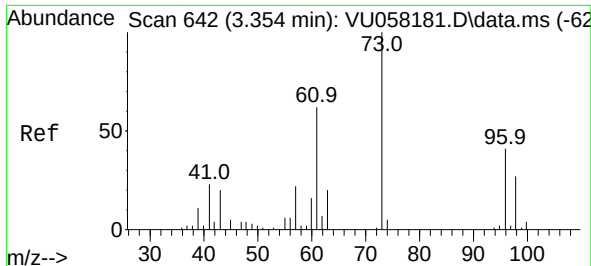
Ion Ratio Lower Upper

84 100

86 62.7 45.6 84.6

49 122.2 88.3 163.9

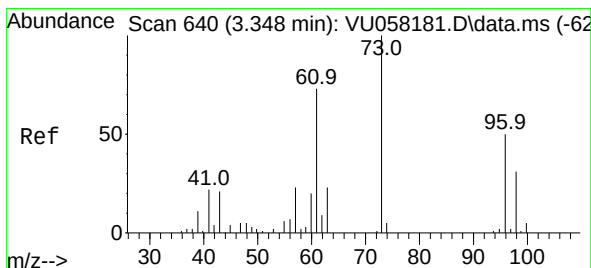
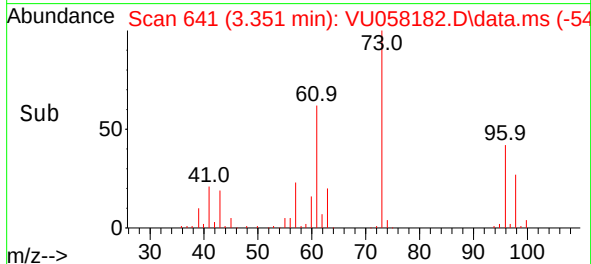
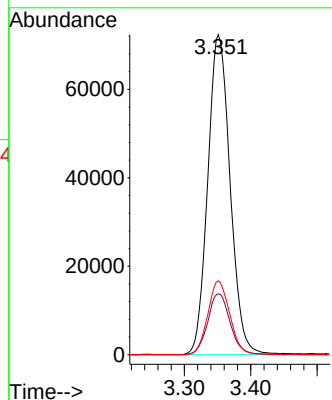
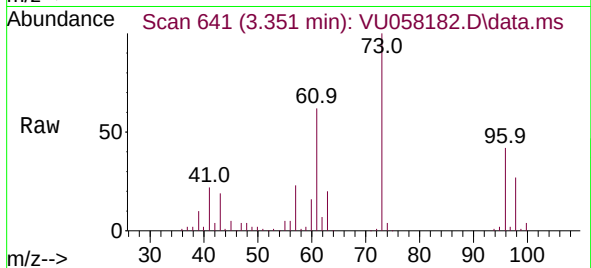




#17
Methyl tert-butyl Ether
Concen: 13.292 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

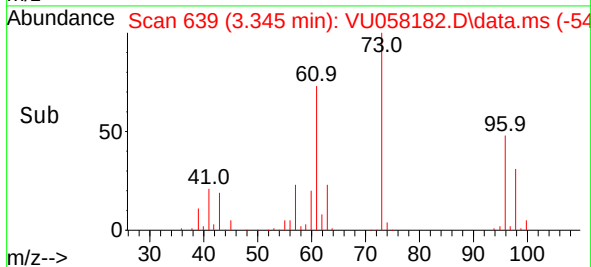
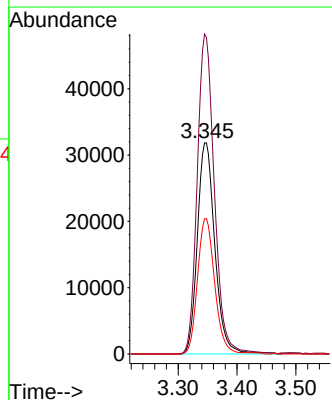
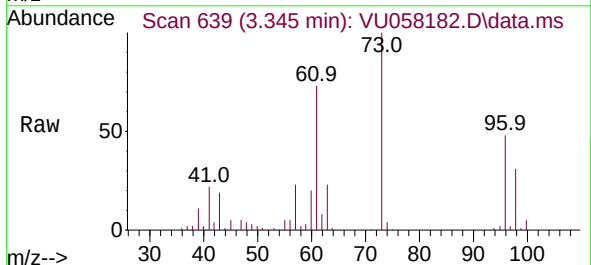
Instrument :
MSVOA_U
ClientSampleId :

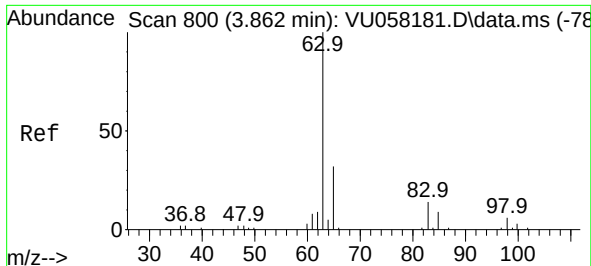
Tgt Ion: 73 Resp: 169675
Ion Ratio Lower Upper
73 100
43 19.1 15.5 23.3
57 22.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 11.475 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion: 96 Resp: 65862
Ion Ratio Lower Upper
96 100
61 151.6 102.5 190.3
98 63.9 44.0 81.8

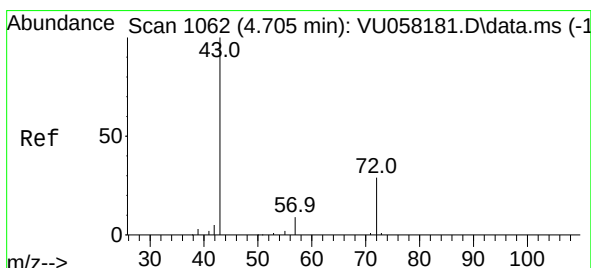
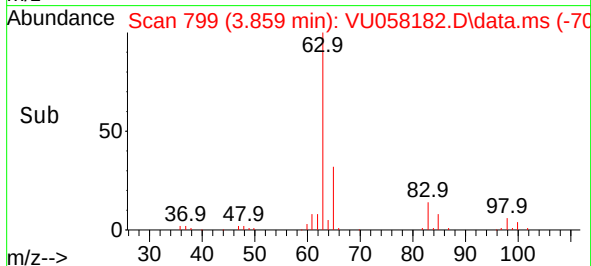
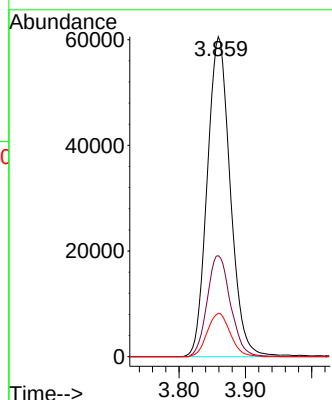
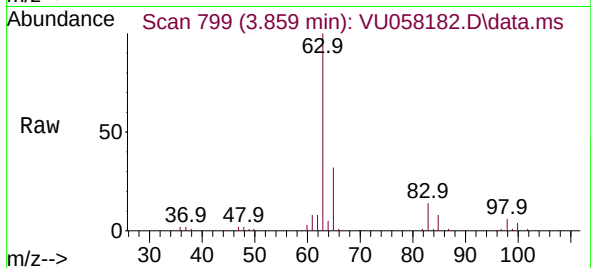




#19
1,1-Dichloroethane
Concen: 12.484 ug/L
RT: 3.859 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

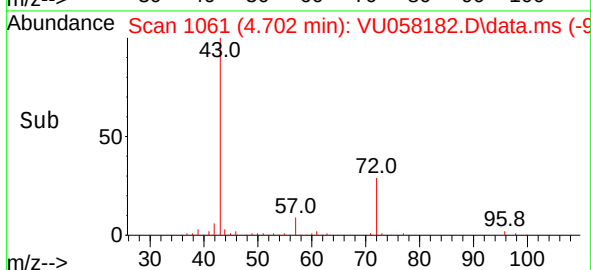
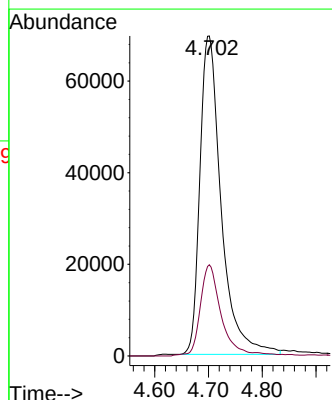
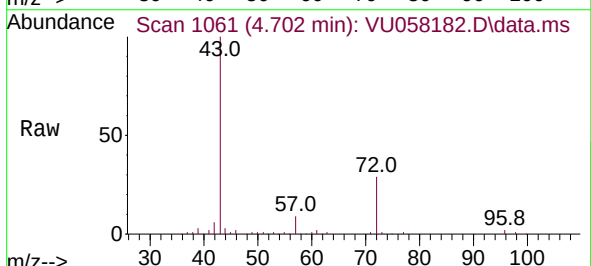
Instrument :
MSVOA_U
ClientSampleId :

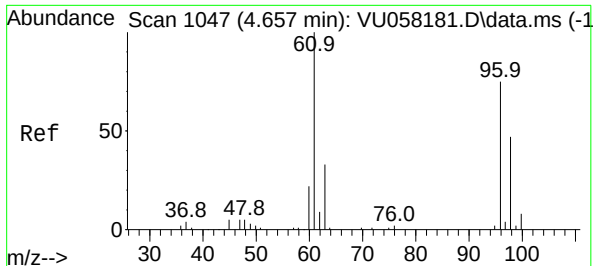
Tgt Ion: 63 Resp: 145873
Ion Ratio Lower Upper
63 100
65 31.6 22.3 41.5
83 13.6 10.0 18.6



#21
2-Butanone
Concen: 151.568 ug/L
RT: 4.702 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion: 43 Resp: 191477
Ion Ratio Lower Upper
43 100
72 27.5 14.0 41.9

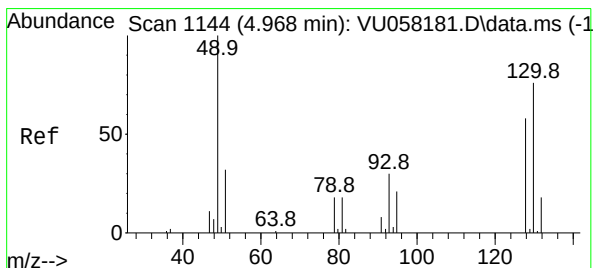
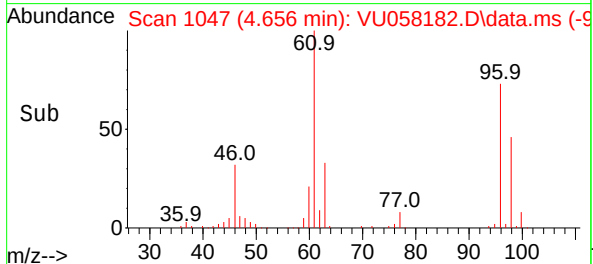
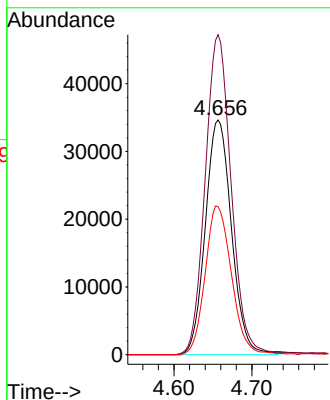
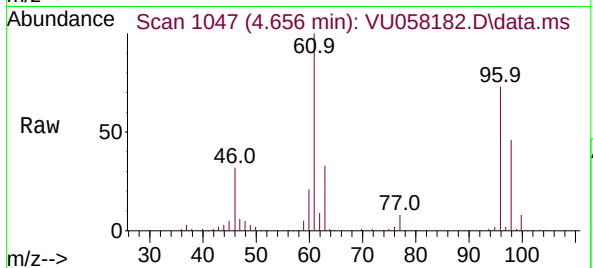




#22
 cis-1,2-Dichloroethene
 Concen: 12.575 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU058182.D
 Acq: 21 Mar 2024 13:23

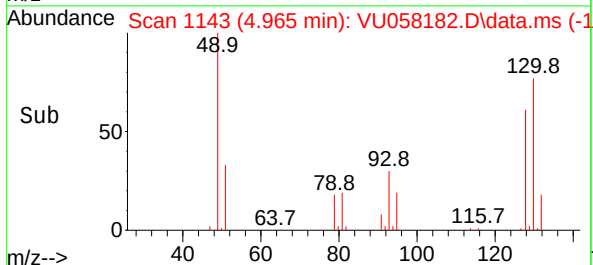
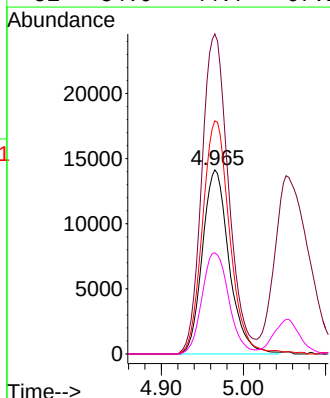
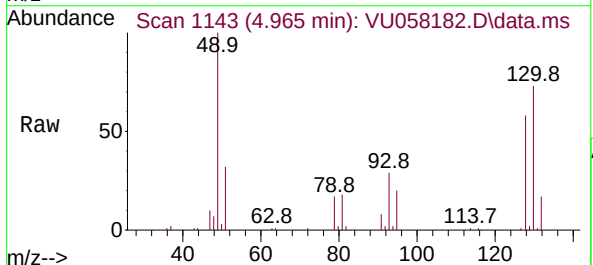
Instrument :
 MSVOA_U
 ClientSampleId :

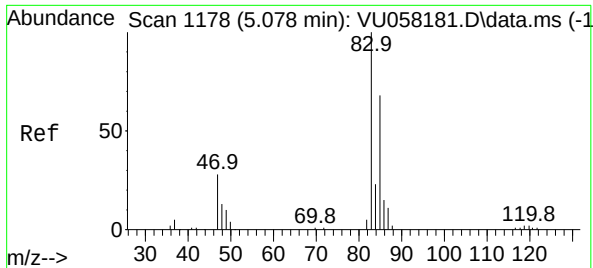
Tgt Ion: 96 Resp: 80831
 Ion Ratio Lower Upper
 96 100
 61 136.3 92.8 172.4
 98 63.1 43.2 80.2



#23
 Bromochloromethane
 Concen: 13.284 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.003 min
 Lab File: VU058182.D
 Acq: 21 Mar 2024 13:23

Tgt Ion: 128 Resp: 31844
 Ion Ratio Lower Upper
 128 100
 49 173.7 125.0 232.2
 130 126.6 92.3 171.5
 51 54.9 44.7 67.1





#25

Chloroform

Concen: 12.627 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

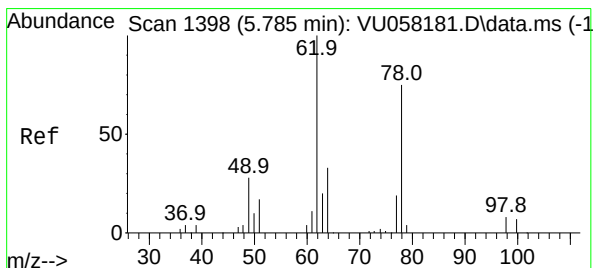
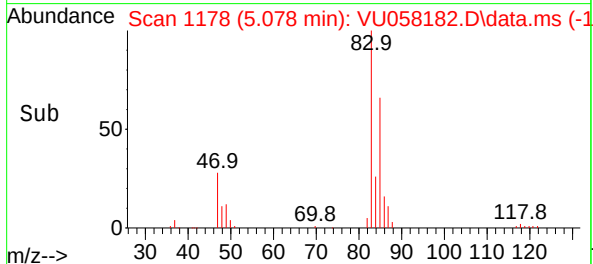
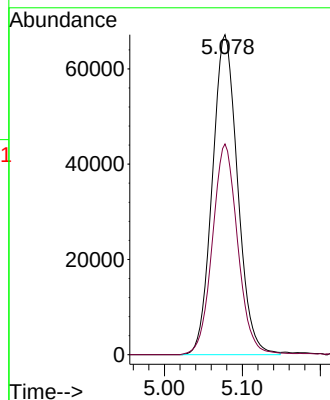
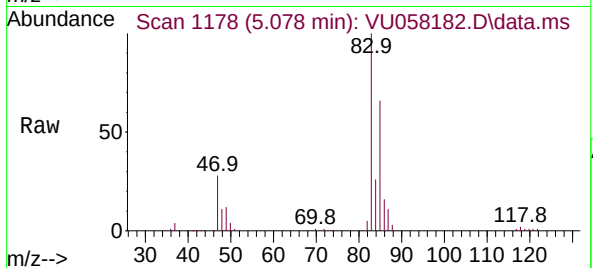
ClientSampleId :

Tgt Ion: 83 Resp: 151540

Ion Ratio Lower Upper

83 100

85 65.9 47.9 88.9



#27

1,2-Dichloroethane

Concen: 13.299 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU058182.D

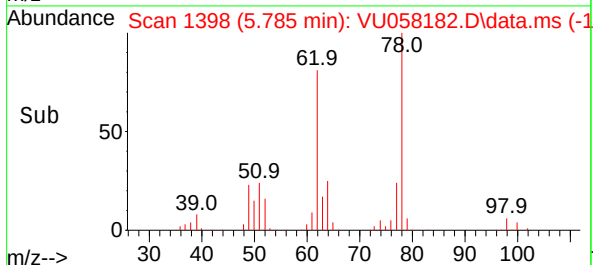
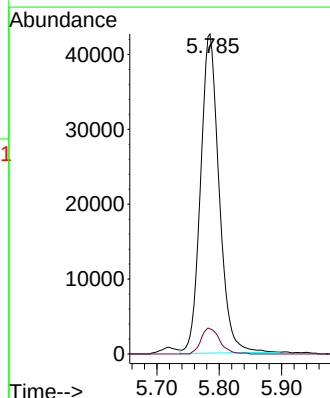
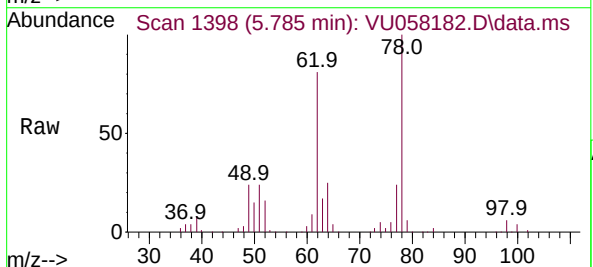
Acq: 21 Mar 2024 13:23

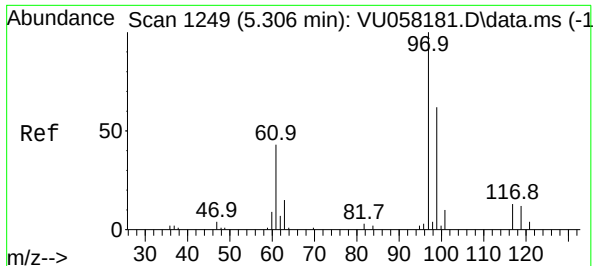
Tgt Ion: 62 Resp: 88275

Ion Ratio Lower Upper

62 100

98 7.9 6.6 10.0

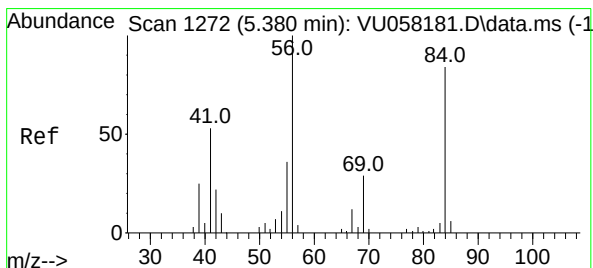
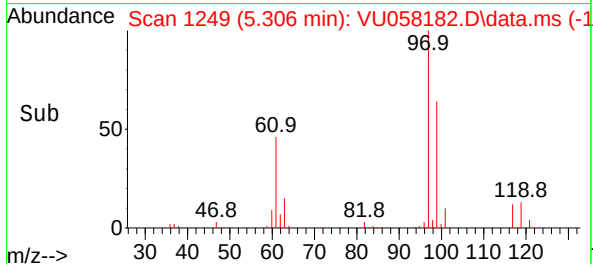
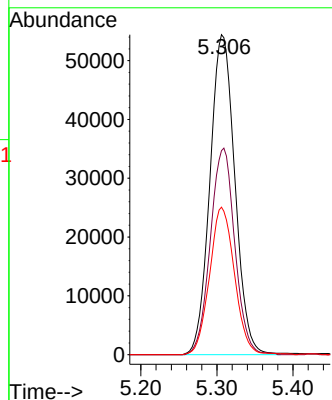
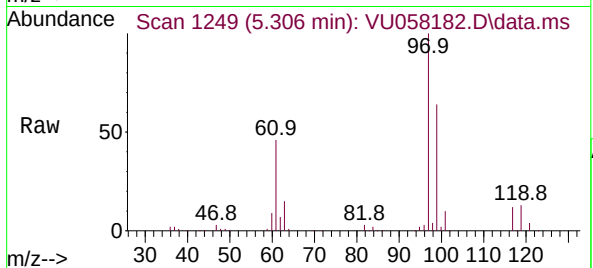




#29
1,1,1-Trichloroethane
Concen: 12.429 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

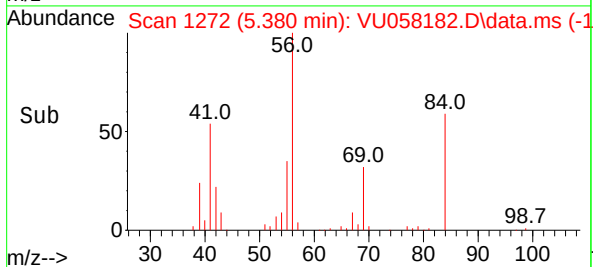
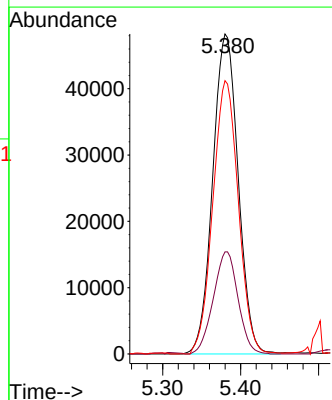
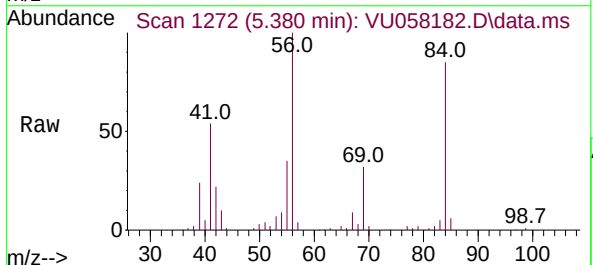
Instrument :
MSVOA_U
ClientSampleId :

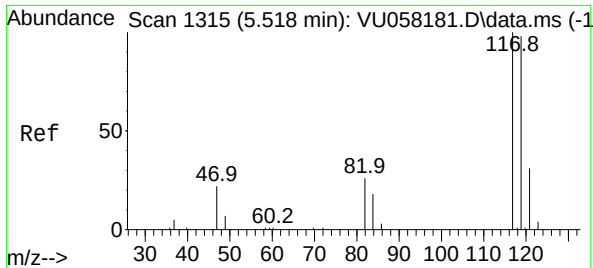
Tgt Ion: 97 Resp: 124097
Ion Ratio Lower Upper
97 100
99 63.4 50.5 75.7
61 46.1 36.3 54.5



#30
Cyclohexane
Concen: 11.229 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion: 56 Resp: 109588
Ion Ratio Lower Upper
56 100
69 30.9 24.2 36.2
84 85.7 69.7 104.5

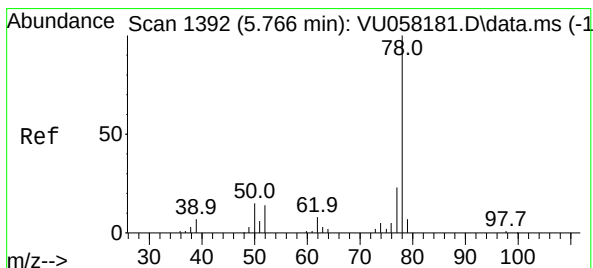
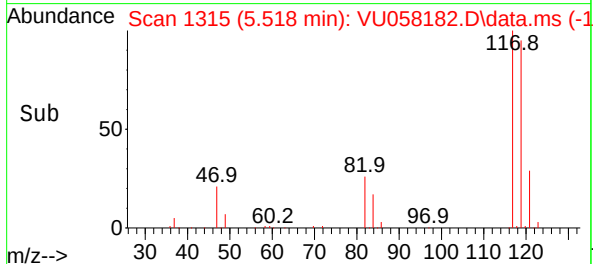
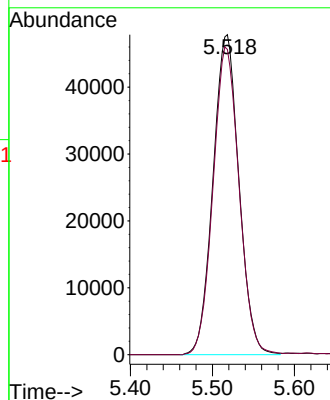
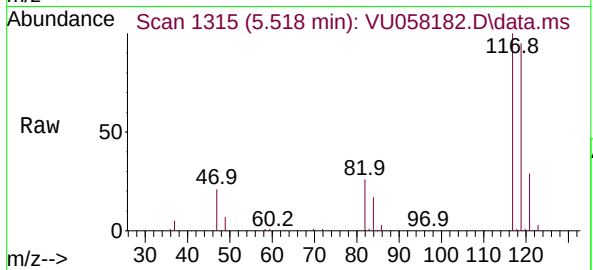




#31
Carbon tetrachloride
Concen: 12.252 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

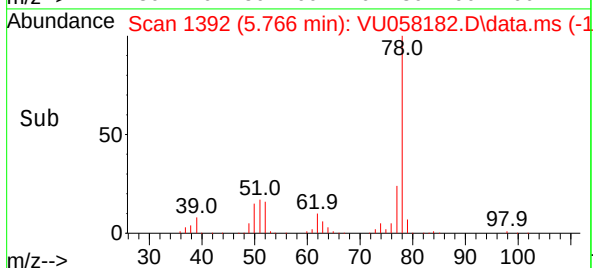
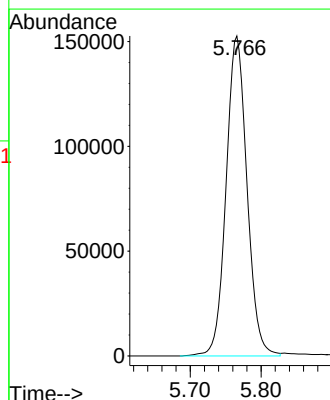
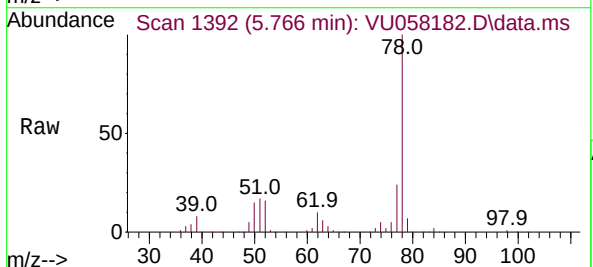
Instrument :
MSVOA_U
ClientSampleId :

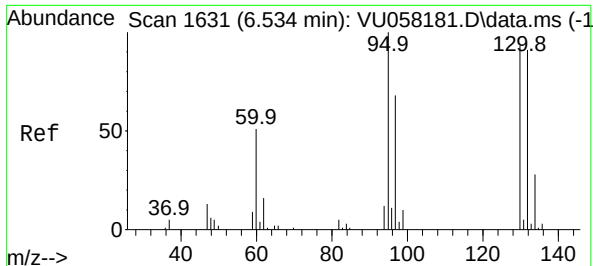
Tgt Ion:117 Resp: 105215
Ion Ratio Lower Upper
117 100
119 96.6 78.1 117.1



#33
Benzene
Concen: 12.181 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

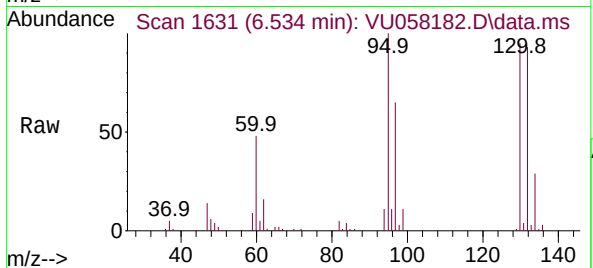
Tgt Ion: 78 Resp: 312593



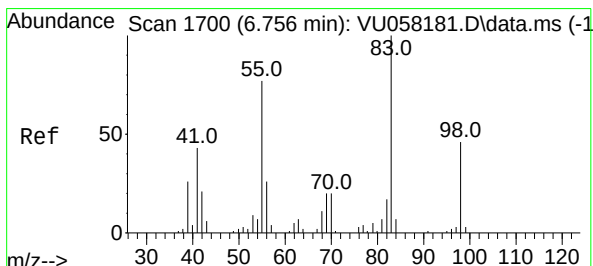
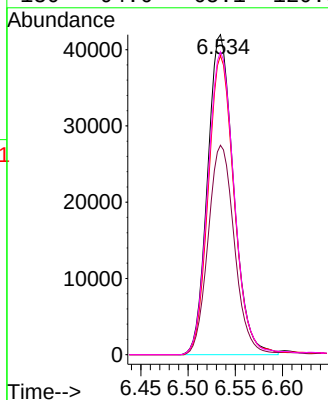
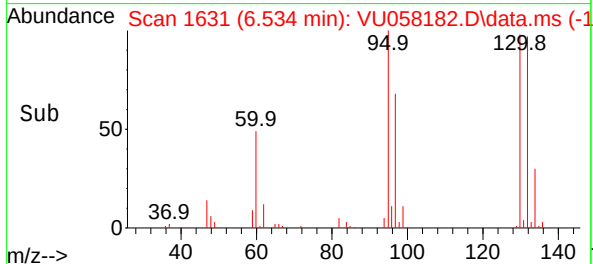


#34
Trichloroethene
Concen: 11.903 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

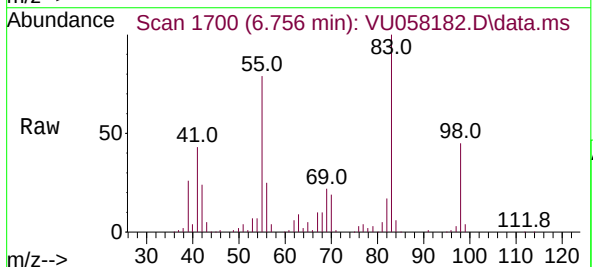
Instrument :
MSVOA_U
ClientSampleId :



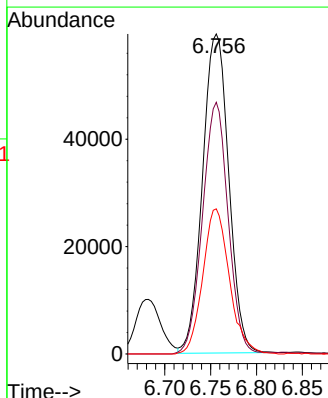
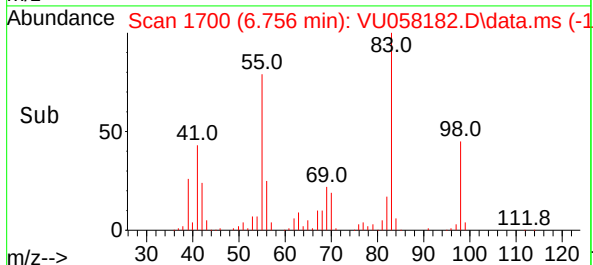
Tgt Ion: 95 Resp: 80389
Ion Ratio Lower Upper
95 100
97 65.4 47.7 88.7
132 93.4 63.6 118.2
130 94.6 65.1 120.9

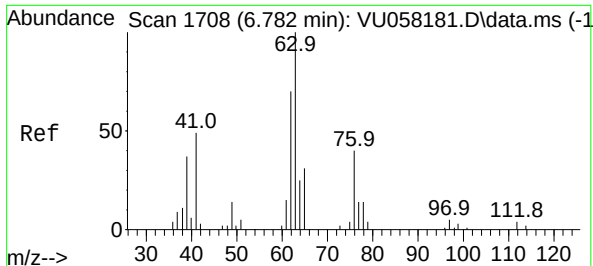


#35
Methylcyclohexane
Concen: 11.736 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23



Tgt Ion: 83 Resp: 118374
Ion Ratio Lower Upper
83 100
55 77.0 62.7 94.1
98 46.1 37.3 55.9

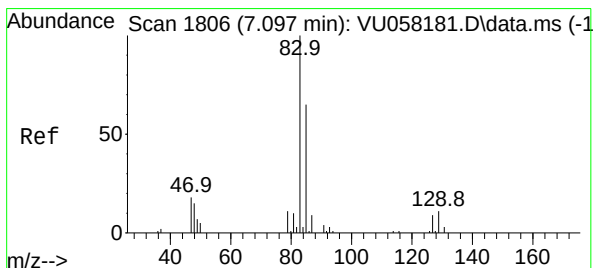
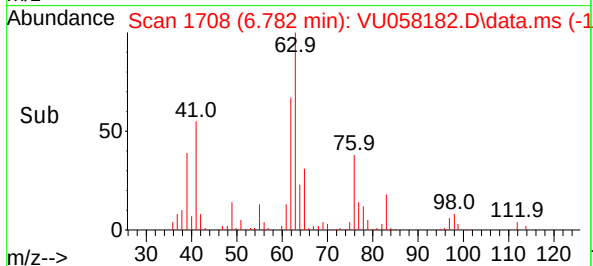
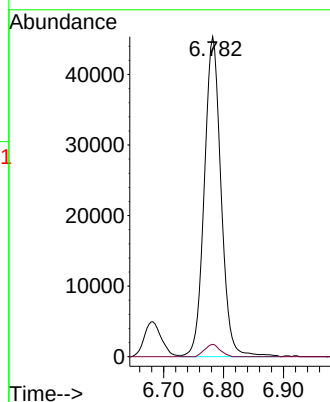
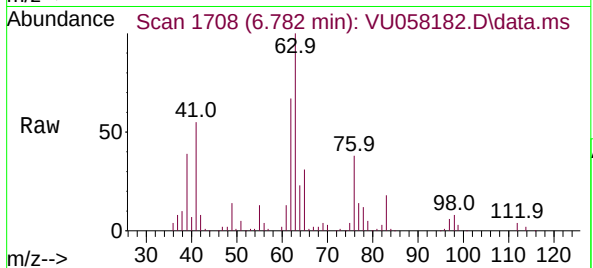




#37
1,2-Dichloropropane
Concen: 13.229 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

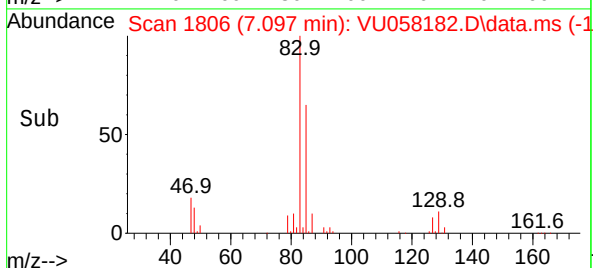
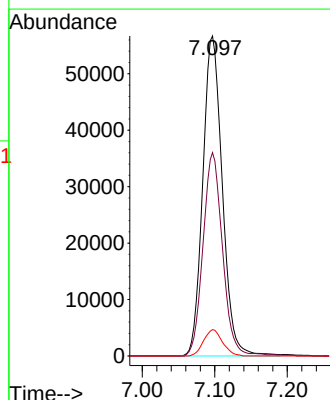
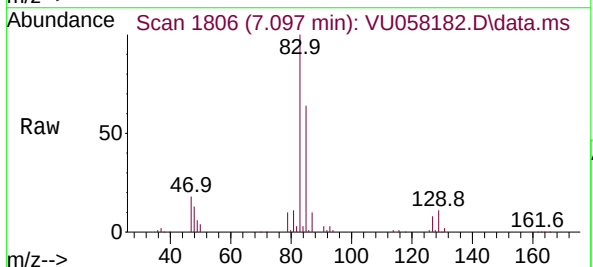
Instrument :
MSVOA_U
ClientSampleId :

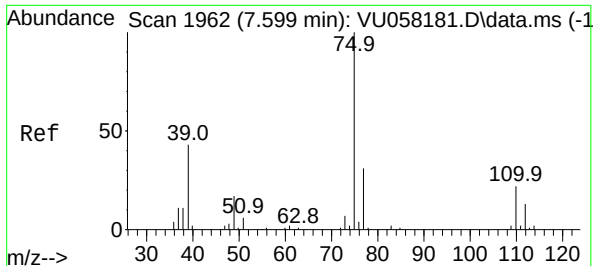
Tgt Ion: 63 Resp: 88283
Ion Ratio Lower Upper
63 100
112 3.5 2.7 4.1



#38
Bromodichloromethane
Concen: 13.219 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion: 83 Resp: 106300
Ion Ratio Lower Upper
83 100
85 63.6 45.6 84.8
127 8.2 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 13.069 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

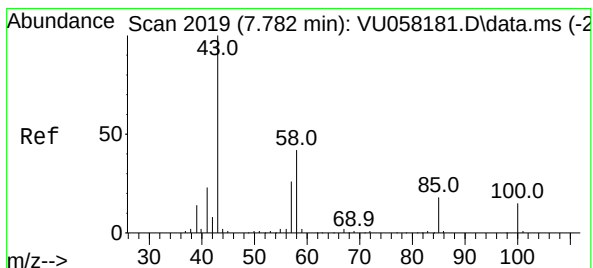
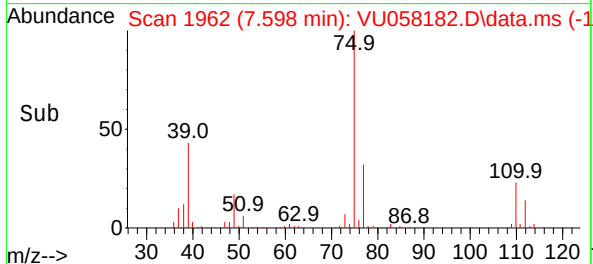
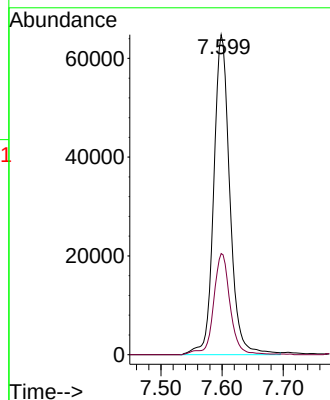
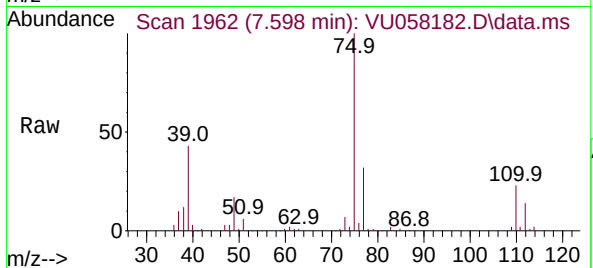
ClientSampleId :

Tgt Ion: 75 Resp: 118776

Ion Ratio Lower Upper

75 100

77 31.6 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 149.523 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

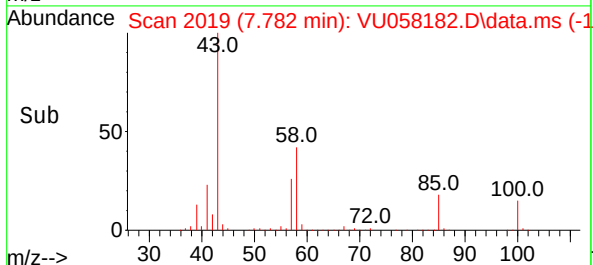
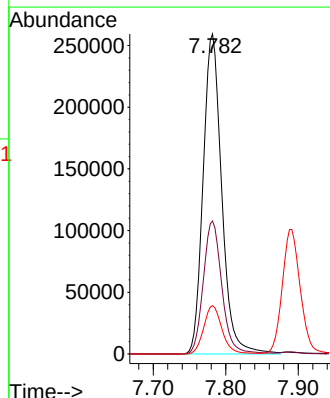
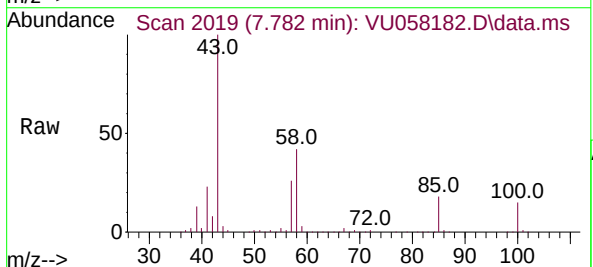
Tgt Ion: 43 Resp: 462250

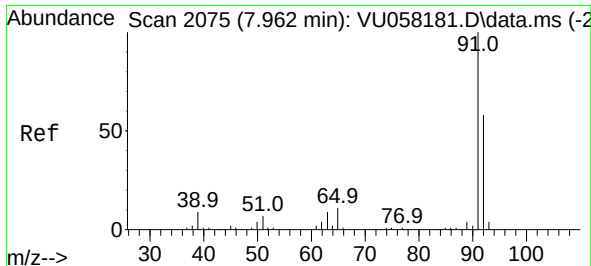
Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8

100 14.9 11.5 17.3





#42

Toluene

Concen: 12.732 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

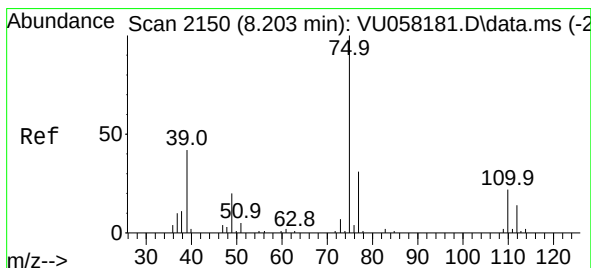
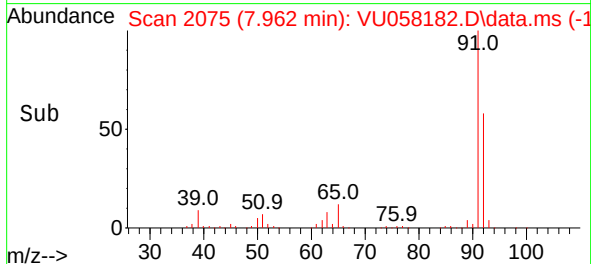
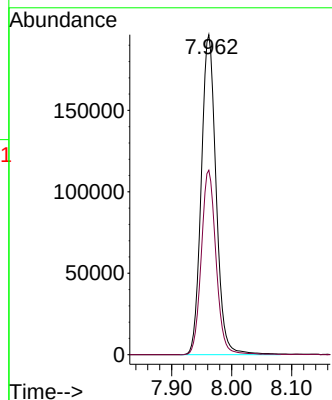
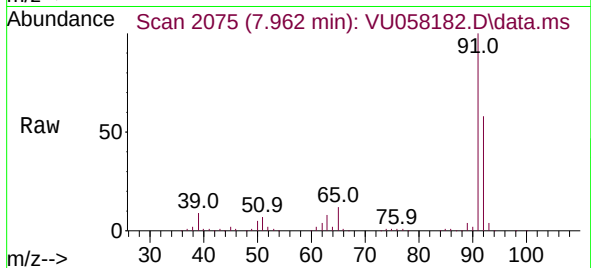
ClientSampleId :

Tgt Ion: 91 Resp: 339116

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 13.338 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU058182.D

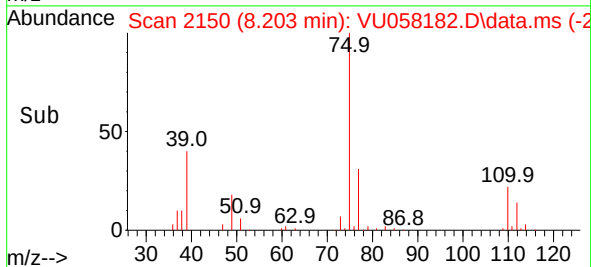
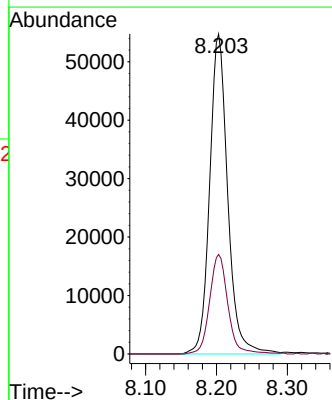
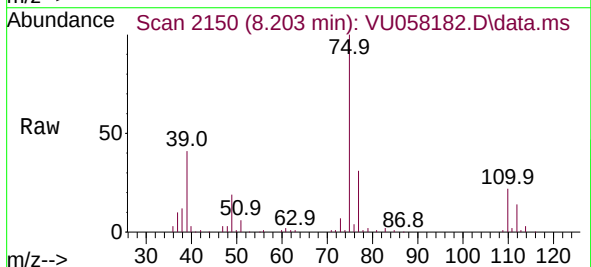
Acq: 21 Mar 2024 13:23

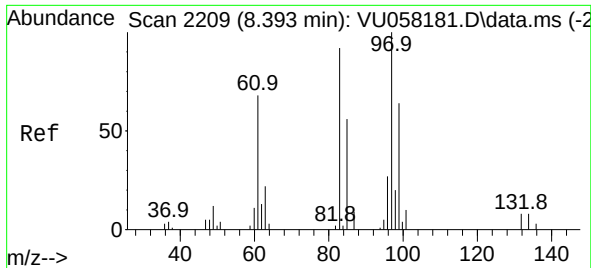
Tgt Ion: 75 Resp: 96701

Ion Ratio Lower Upper

75 100

77 31.1 21.7 40.3

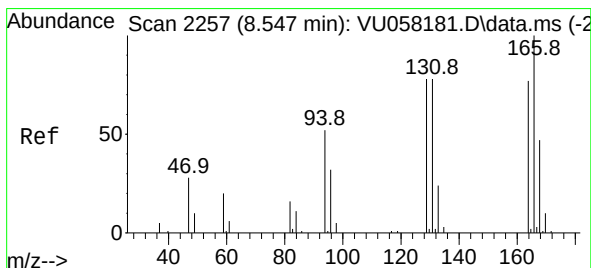
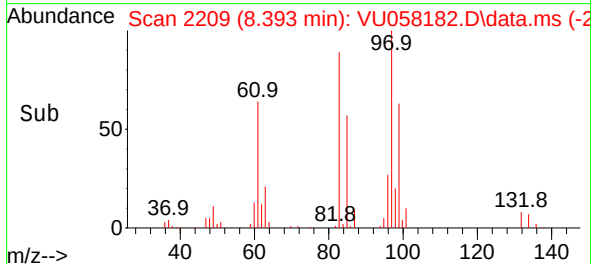
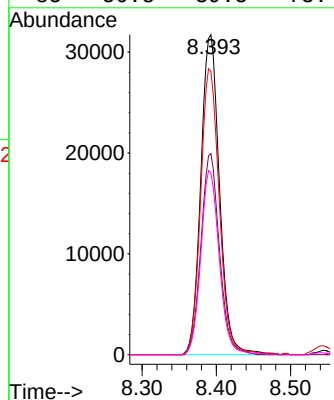
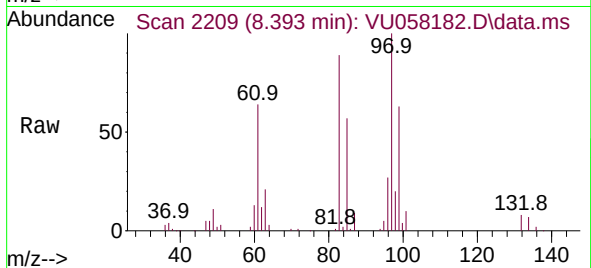




#45
1,1,2-Trichloroethane
Concen: 13.920 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

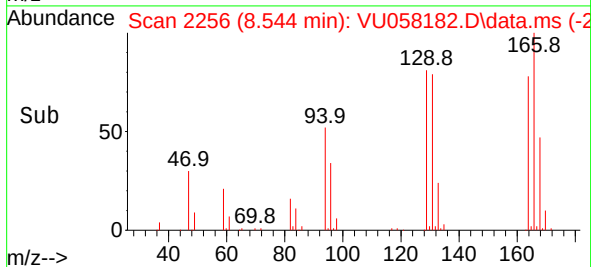
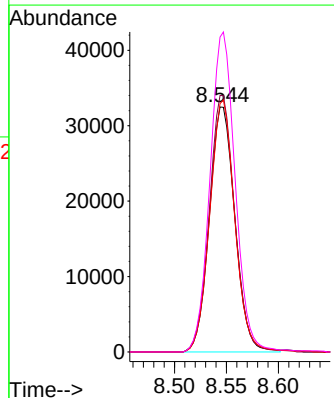
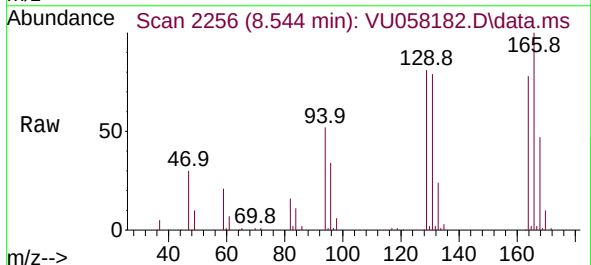
Instrument :
MSVOA_U
ClientSampleId :

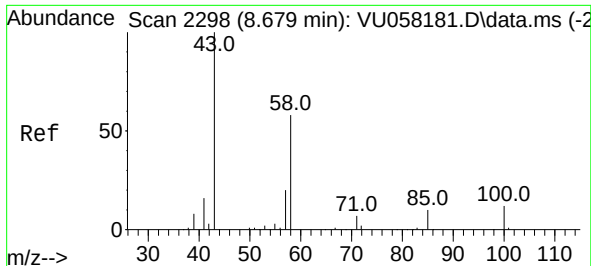
Tgt Ion:	97	Resp:	55625
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.5	82.7
83	88.5	64.1	119.1
85	56.8	39.5	73.4



#47
Tetrachloroethene
Concen: 11.893 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion:	164	Resp:	55520
Ion	Ratio	Lower	Upper
164	100		
129	104.8	71.3	132.3
131	101.4	70.8	131.4
166	128.6	90.9	168.9



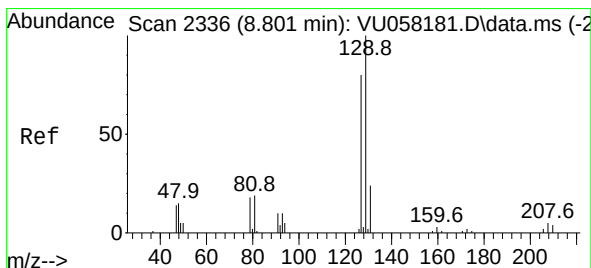
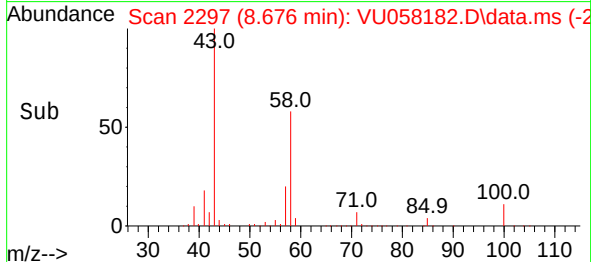
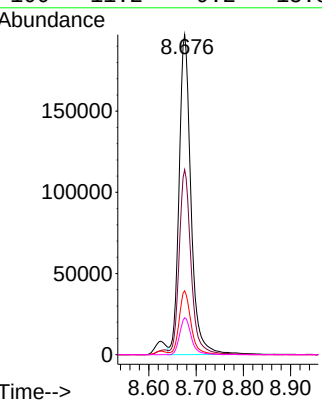
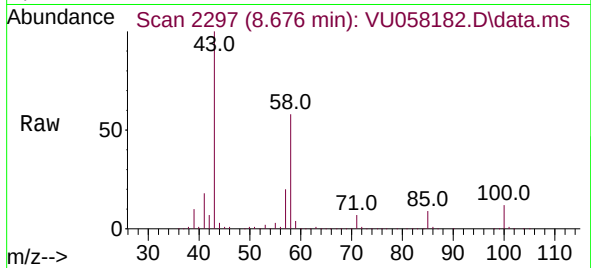


#48
2-Hexanone
Concen: 152.299 ug/L
RT: 8.676 min Scan# 2298
Delta R.T. -0.003 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 344342

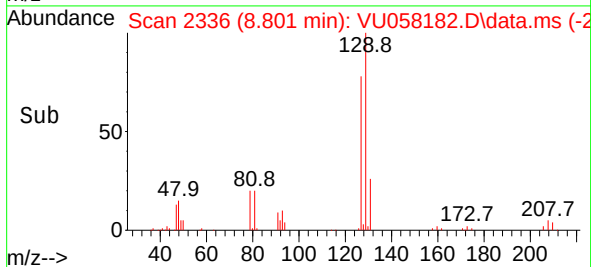
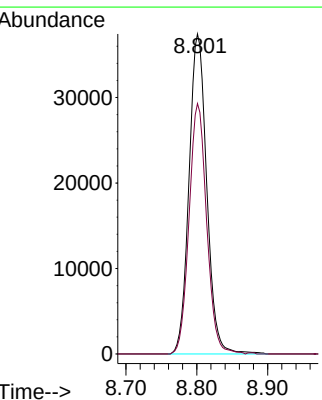
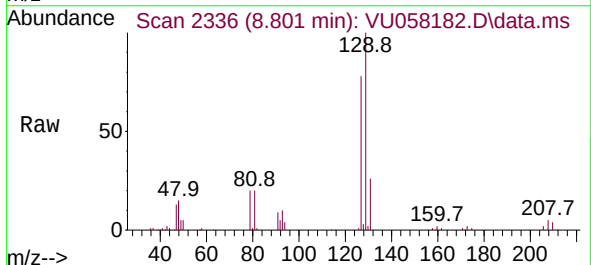
Ion	Ratio	Lower	Upper
43	100		
58	57.1	48.3	72.5
57	20.0	16.3	24.5
100	11.2	9.2	13.8

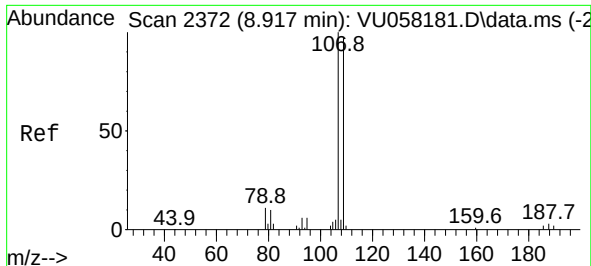


#49
Dibromochloromethane
Concen: 13.931 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion: 129 Resp: 65051

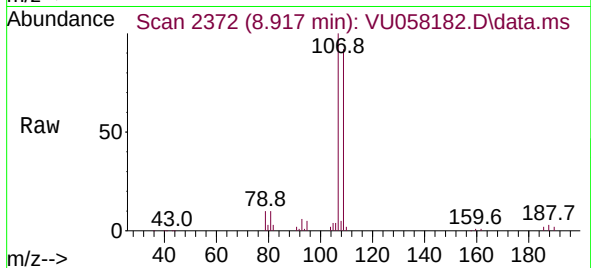
Ion	Ratio	Lower	Upper
129	100		
127	78.2	55.7	103.5



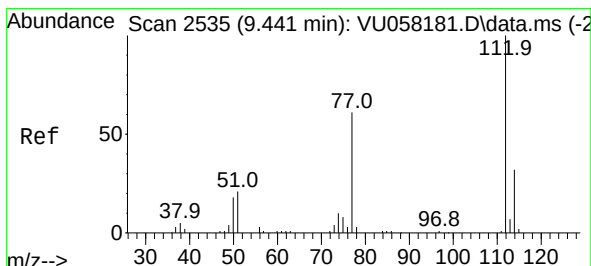
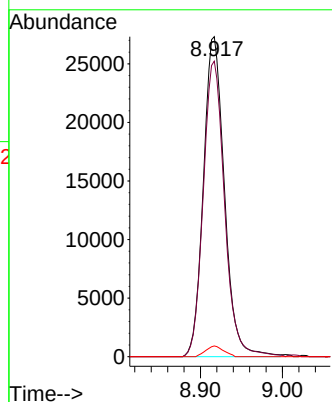
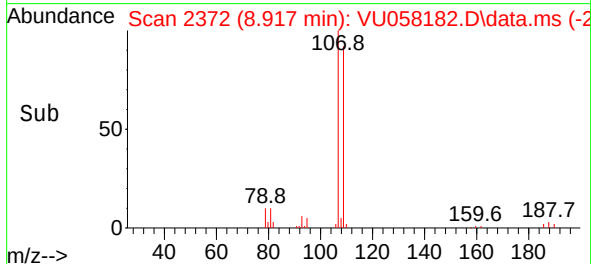


#50
1,2-Dibromoethane
Concen: 13.778 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Instrument :
MSVOA_U
ClientSampleId :

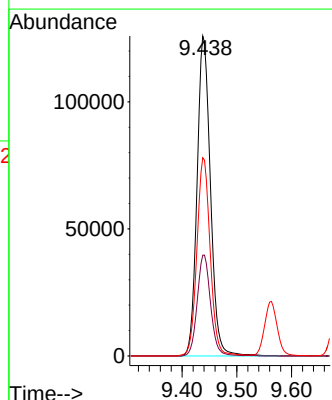
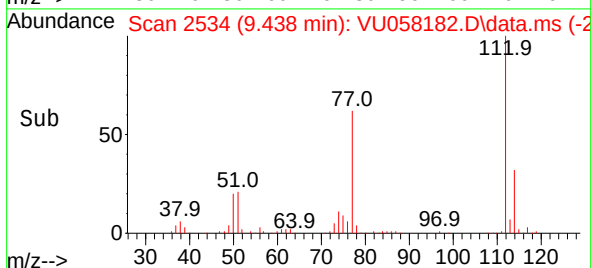
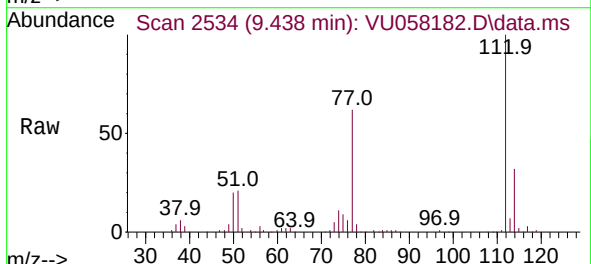


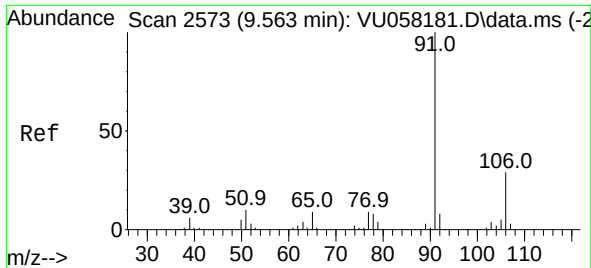
Tgt Ion:107 Resp: 48579
Ion Ratio Lower Upper
107 100
109 92.3 67.8 125.8
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 12.667 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.003 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion:112 Resp: 213835
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.3
77 61.9 48.9 73.3

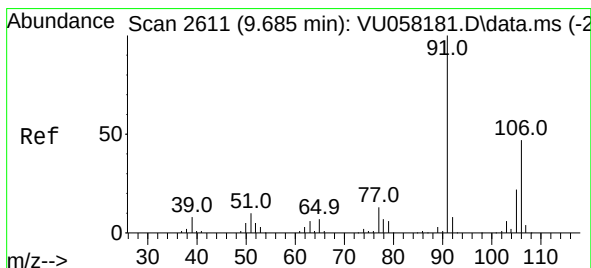
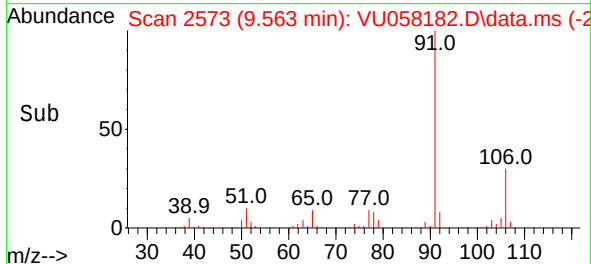
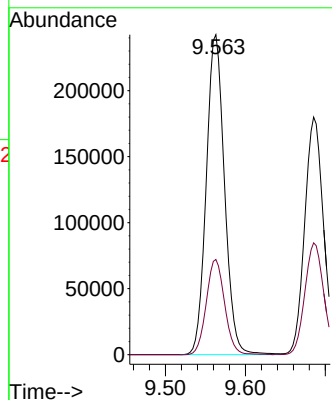
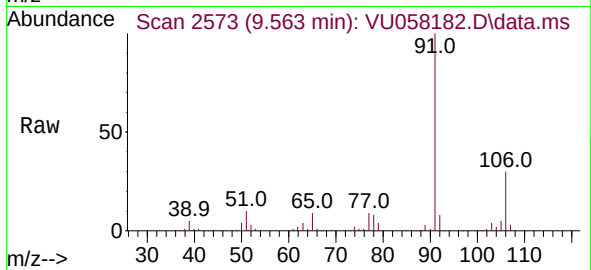




#52
Ethylbenzene
Concen: 12.890 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

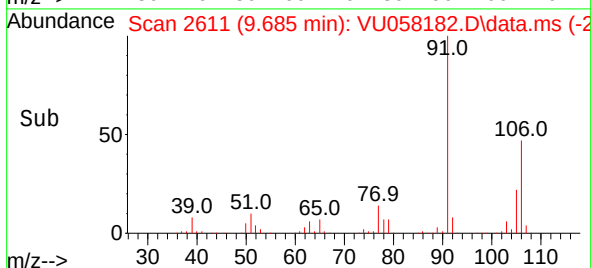
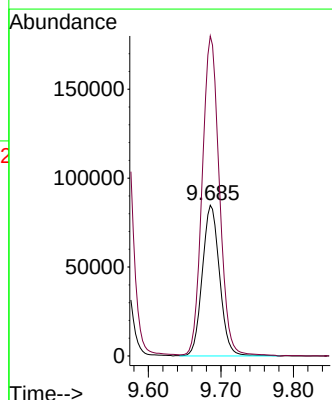
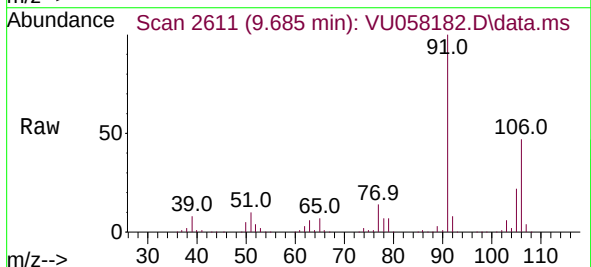
Instrument :
MSVOA_U
ClientSampleId :

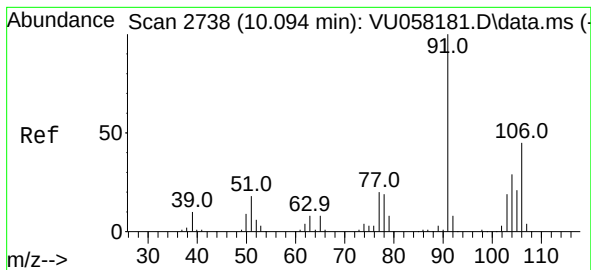
Tgt Ion: 91 Resp: 385131
Ion Ratio Lower Upper
91 100
106 29.8 20.6 38.2



#53
m,p-Xylene
Concen: 13.207 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion:106 Resp: 140540
Ion Ratio Lower Upper
106 100
91 212.3 151.0 280.4





#54

o-Xylene

Concen: 13.146 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

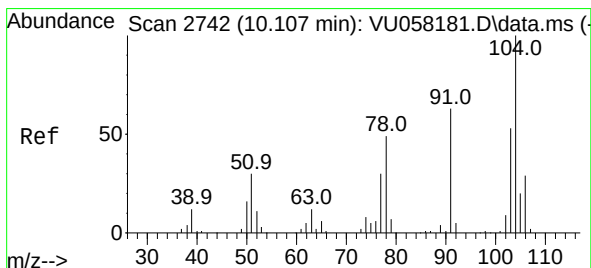
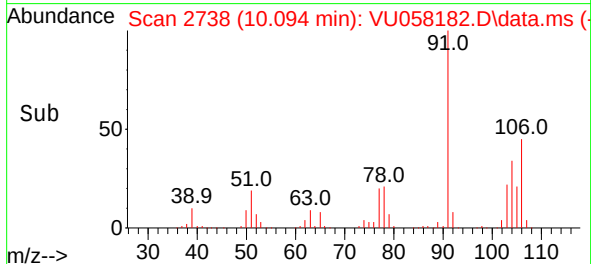
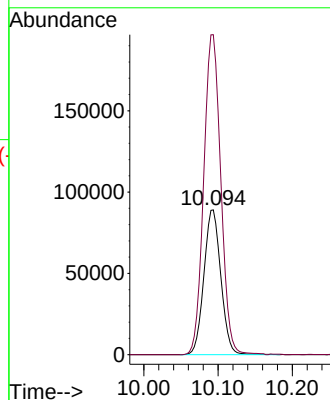
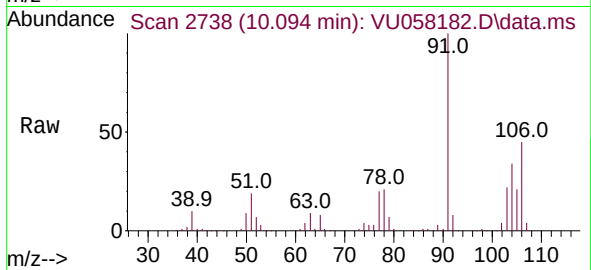
ClientSampleId :

Tgt Ion:106 Resp: 140839

Ion Ratio Lower Upper

106 100

91 221.0 154.3 286.7



#55

Styrene

Concen: 13.979 ug/L

RT: 10.106 min Scan# 2742

Delta R.T. -0.000 min

Lab File: VU058182.D

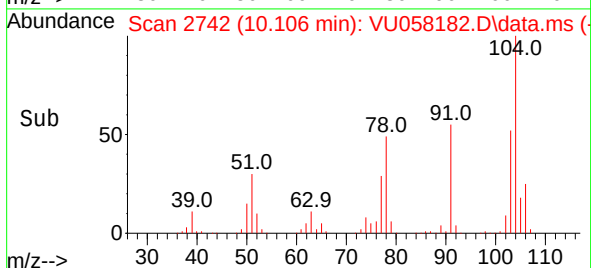
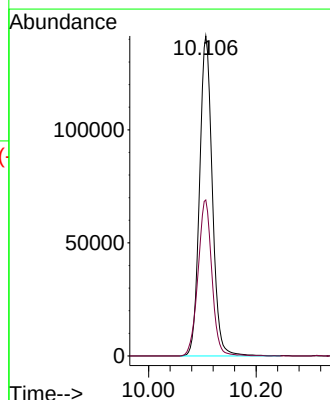
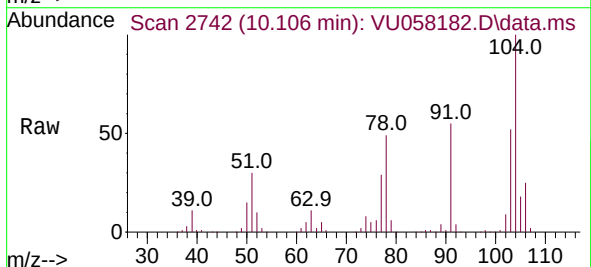
Acq: 21 Mar 2024 13:23

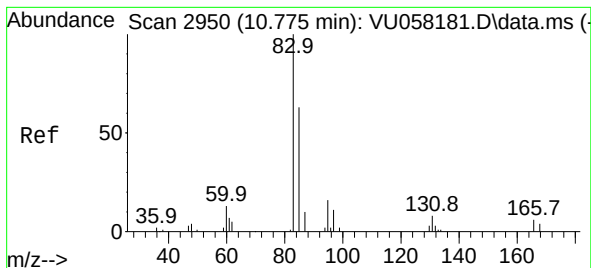
Tgt Ion:104 Resp: 233352

Ion Ratio Lower Upper

104 100

78 48.8 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 13.822 ug/L

RT: 10.772 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

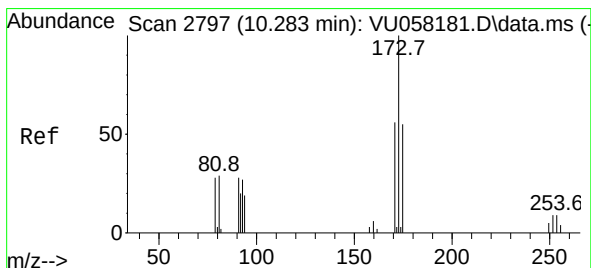
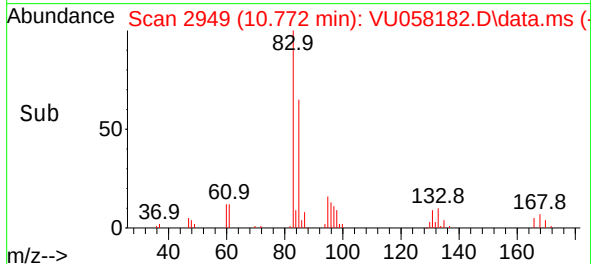
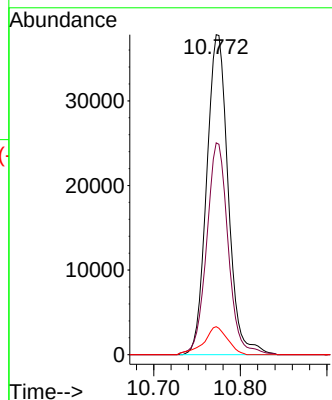
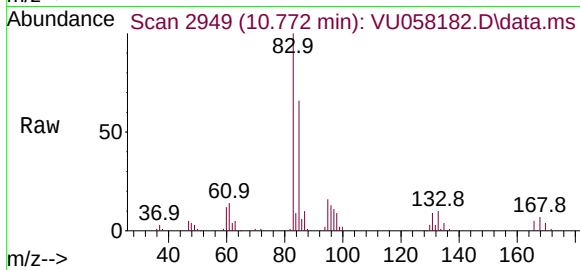
Tgt Ion: 83 Resp: 65140

Ion Ratio Lower Upper

83 100

85 66.2 44.7 82.9

131 8.7 7.0 10.6



#59

Bromoform

Concen: 14.024 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

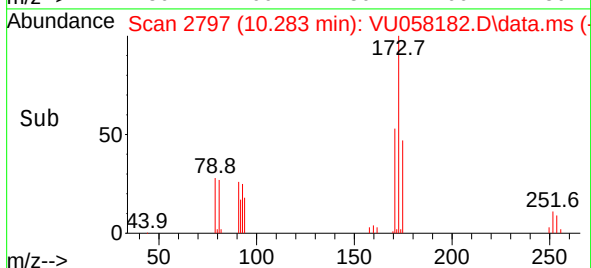
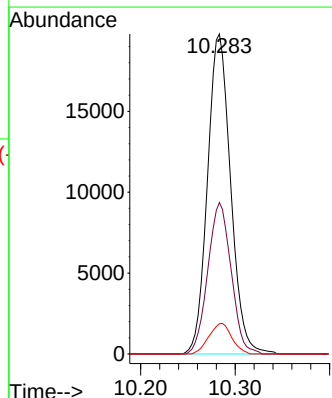
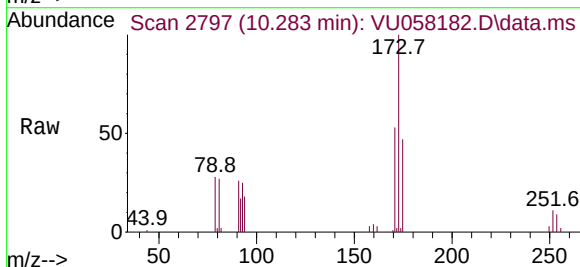
Tgt Ion:173 Resp: 33610

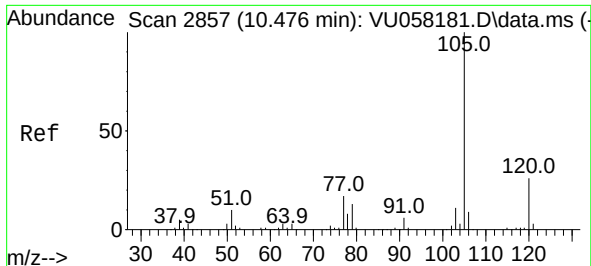
Ion Ratio Lower Upper

173 100

175 47.6 40.9 61.3

254 9.4 5.8 8.8#

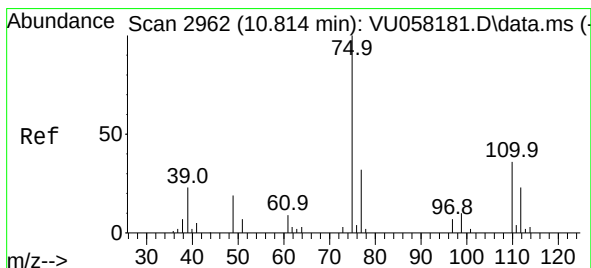
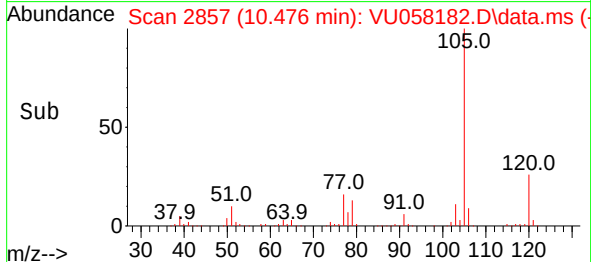
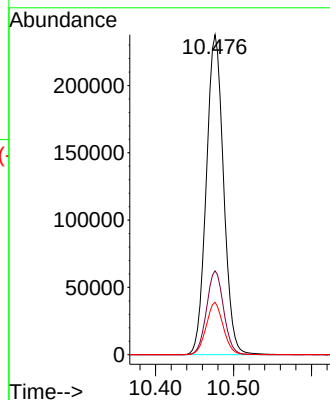
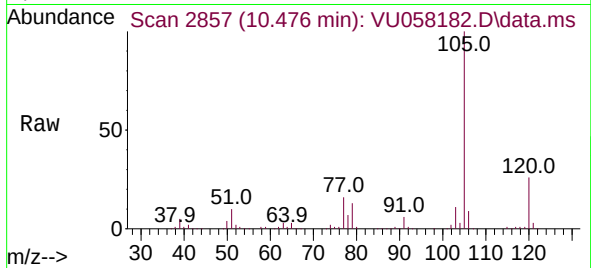




#60
Isopropylbenzene
Concen: 12.857 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

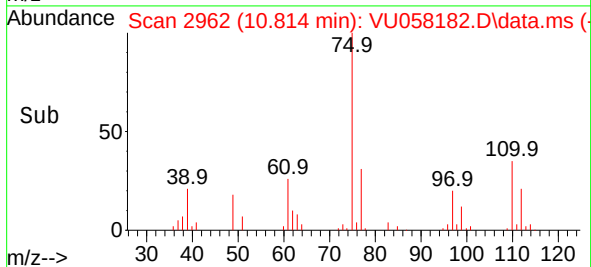
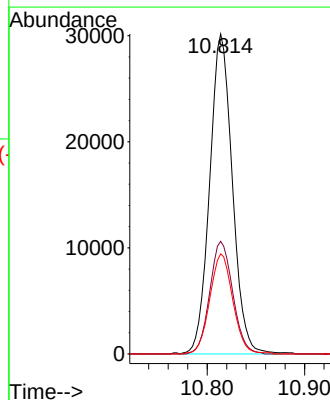
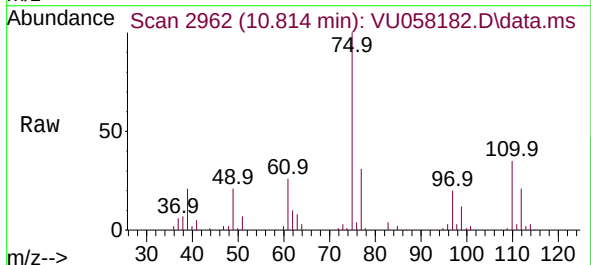
Instrument :
MSVOA_U
ClientSampleId :

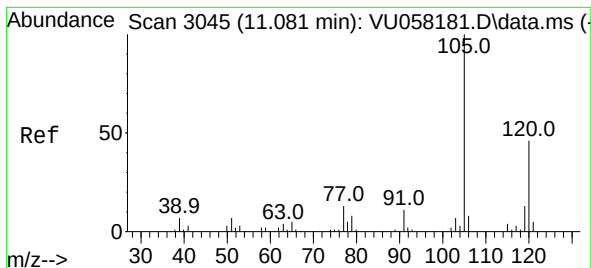
Tgt Ion:105 Resp: 365129
Ion Ratio Lower Upper
105 100
120 26.0 20.5 30.7
77 16.2 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 13.745 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion: 75 Resp: 48705
Ion Ratio Lower Upper
75 100
110 35.7 28.1 42.1
77 31.7 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 13.264 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

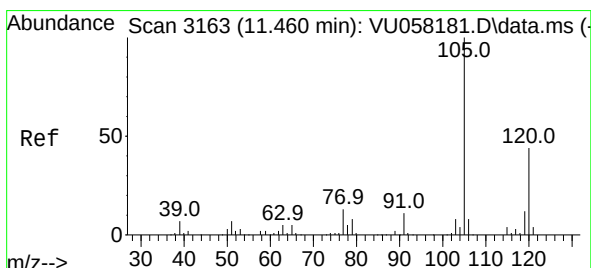
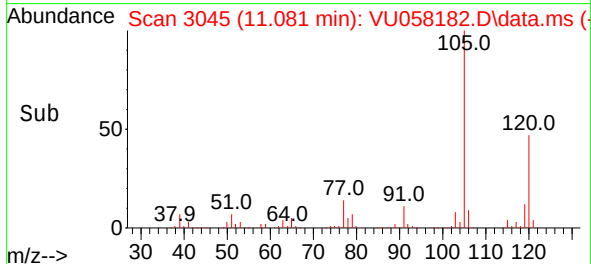
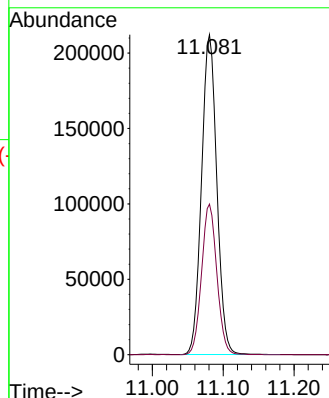
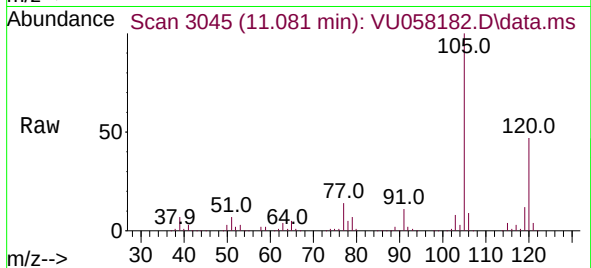
ClientSampleId :

Tgt Ion:105 Resp: 317588

Ion Ratio Lower Upper

105 100

120 47.0 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 13.623 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VU058182.D

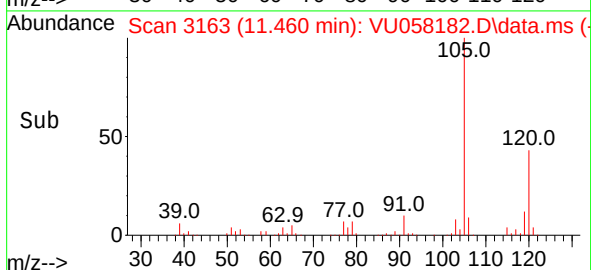
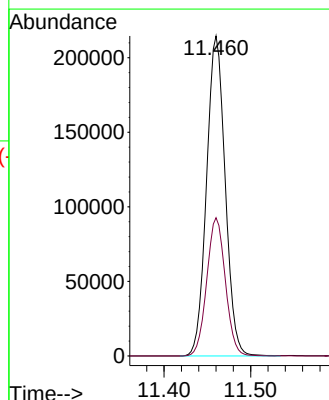
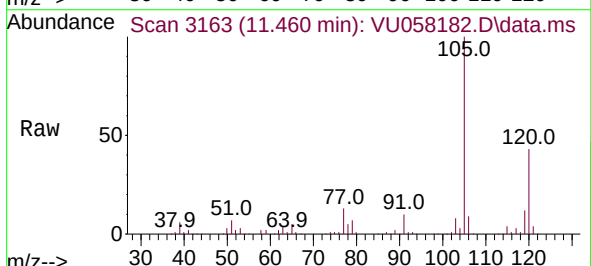
Acq: 21 Mar 2024 13:23

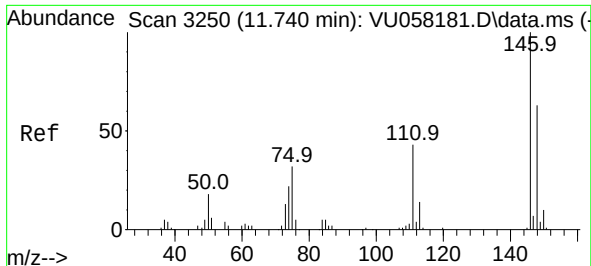
Tgt Ion:105 Resp: 320948

Ion Ratio Lower Upper

105 100

120 43.1 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 12.768 ug/L

RT: 11.737 min Scan# 3249

Delta R.T. -0.003 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

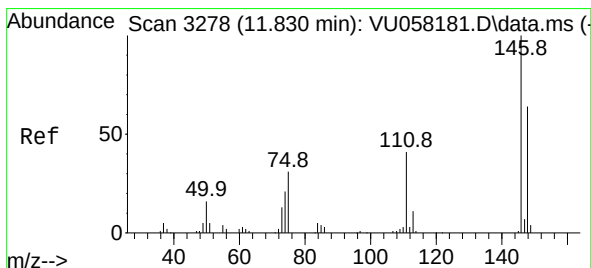
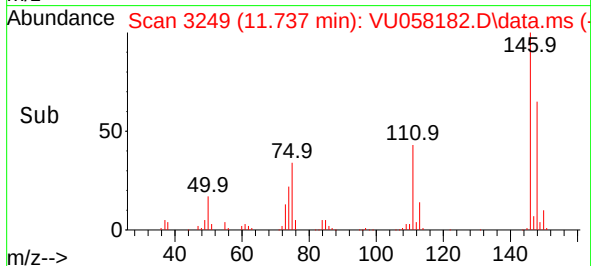
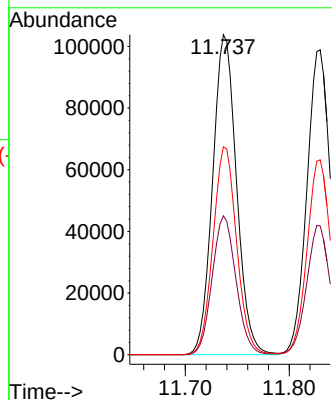
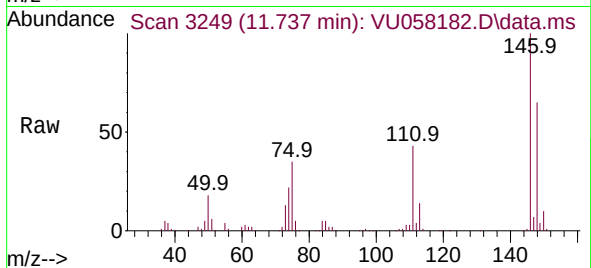
Tgt Ion:146 Resp: 165940

Ion Ratio Lower Upper

146 100

111 43.4 29.9 55.5

148 64.9 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 12.521 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

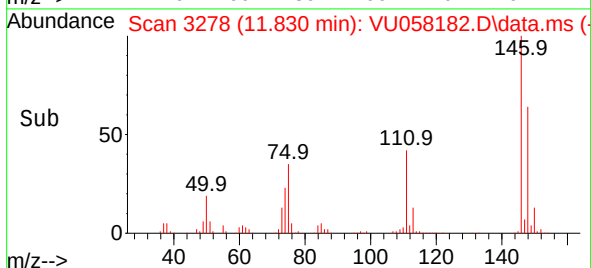
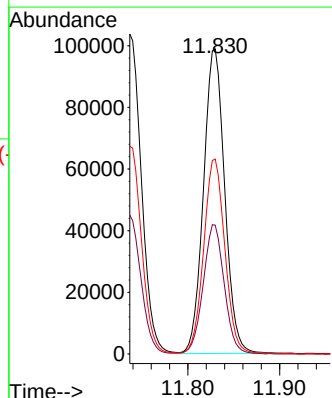
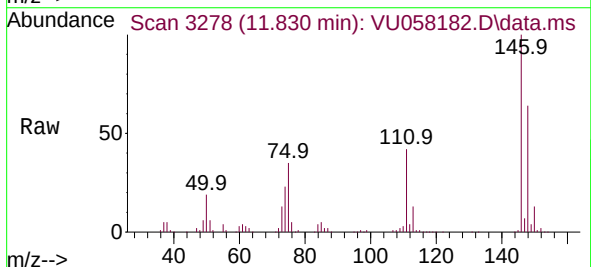
Tgt Ion:146 Resp: 158852

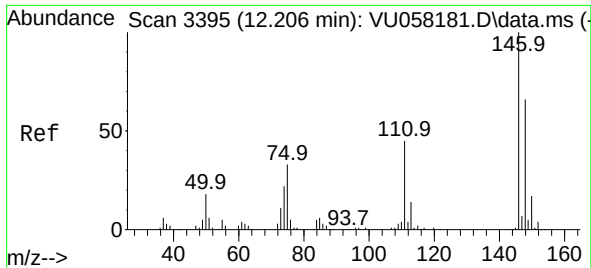
Ion Ratio Lower Upper

146 100

111 42.3 29.0 53.8

148 63.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 13.375 ug/L

RT: 12.203 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :

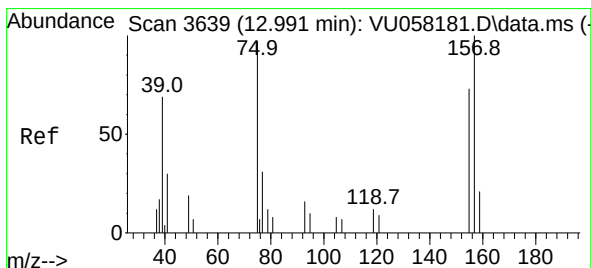
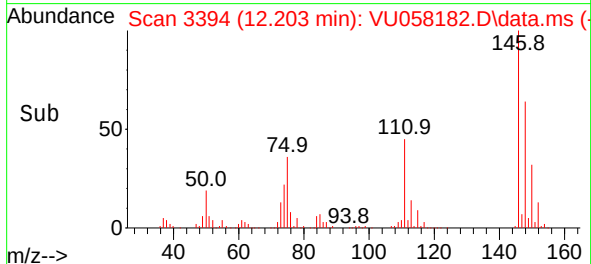
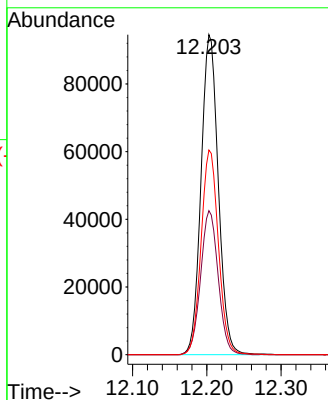
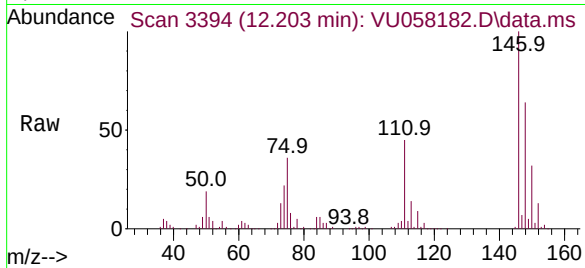
Tgt Ion:146 Resp: 152533

Ion Ratio Lower Upper

146 100

111 45.0 35.9 53.9

148 63.9 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 13.781 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

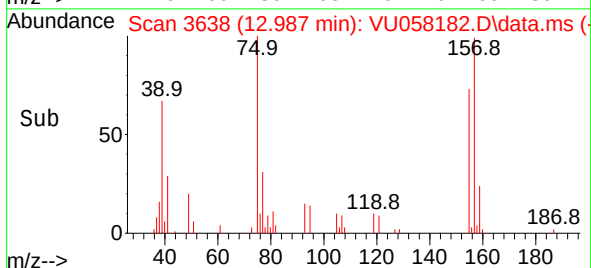
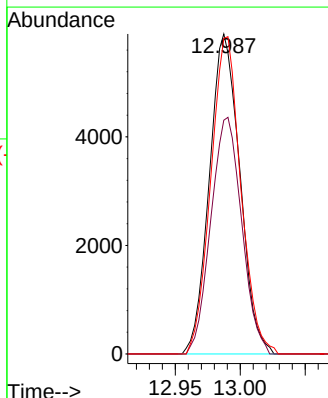
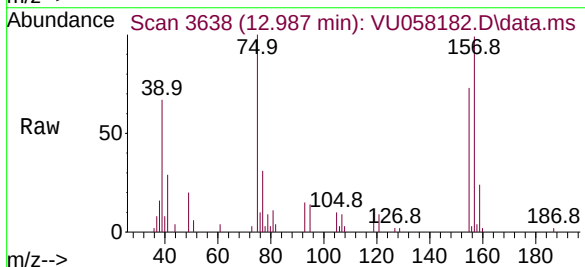
Tgt Ion: 75 Resp: 9608

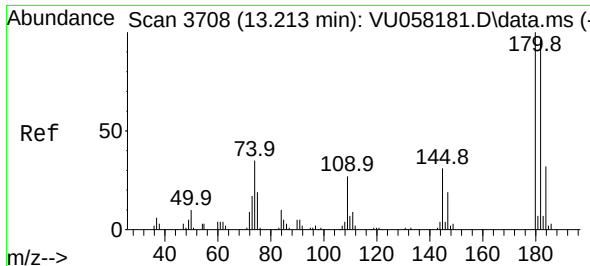
Ion Ratio Lower Upper

75 100

155 73.1 60.2 90.2

157 98.6 82.6 123.8





#69

1,3,5-Trichlorobenzene

Concen: 13.313 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

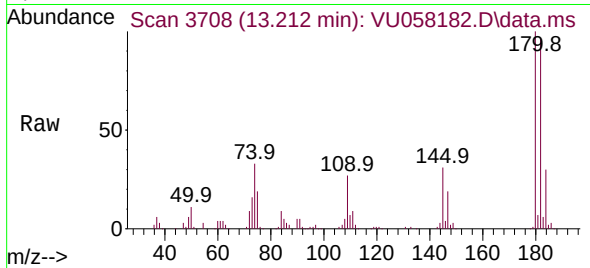
Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 124059

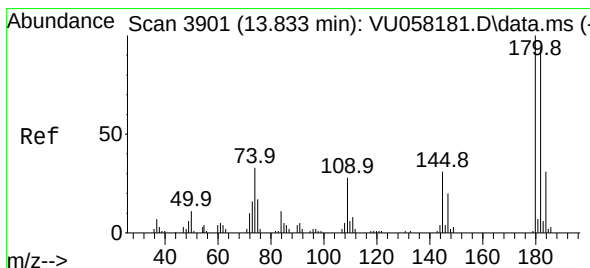
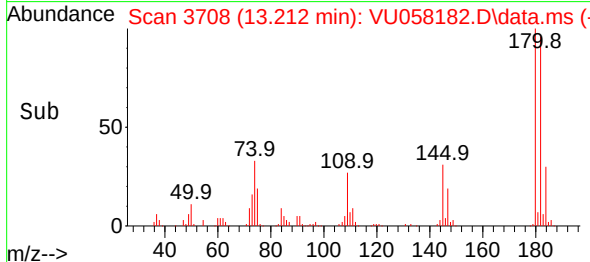
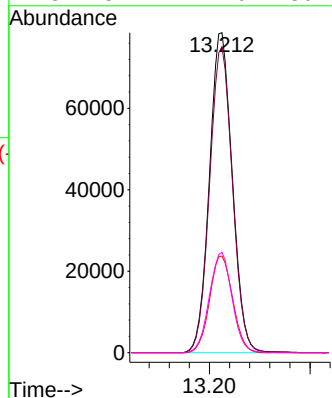
Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.0

184 30.4 24.8 37.2

145 31.1 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 13.971 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU058182.D

Acq: 21 Mar 2024 13:23

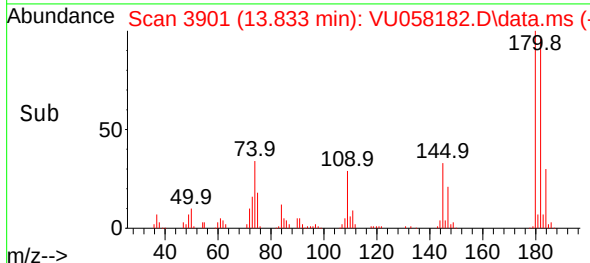
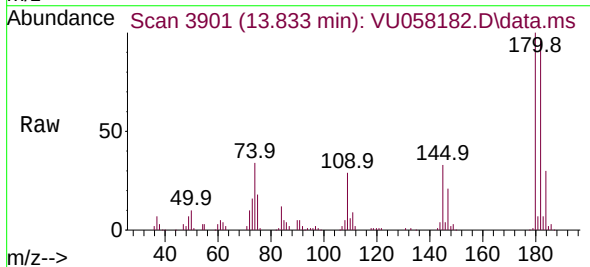
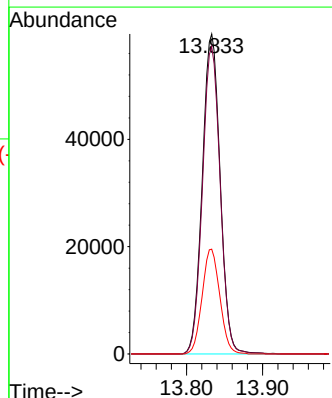
Tgt Ion:180 Resp: 97329

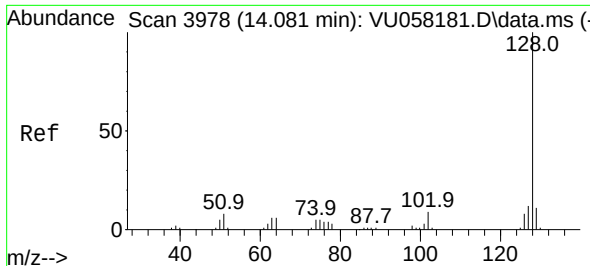
Ion Ratio Lower Upper

180 100

182 95.2 74.5 111.7

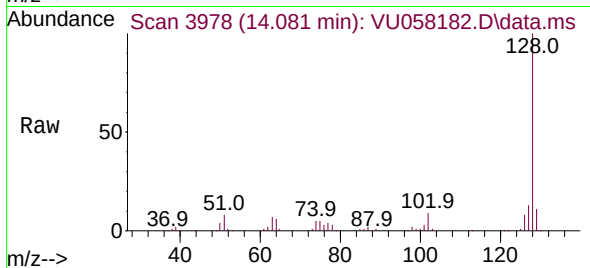
145 32.4 24.5 36.7



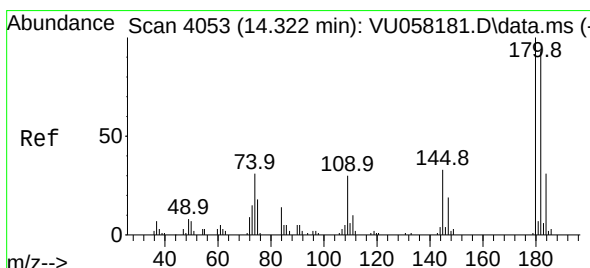
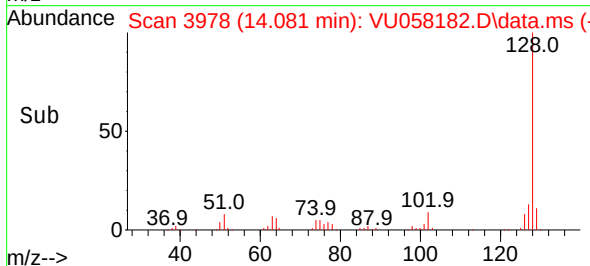
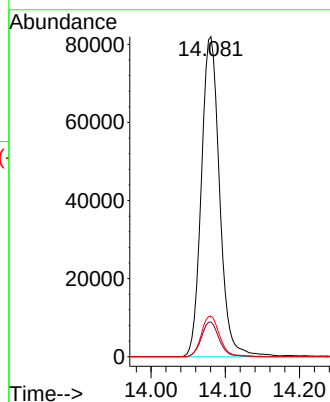


#71
Naphthalene
Concen: 14.717 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 140000
Ion Ratio Lower Upper
128 100
129 10.6 8.1 12.1
127 12.8 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 14.120 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.000 min
Lab File: VU058182.D
Acq: 21 Mar 2024 13:23

Tgt Ion:180 Resp: 78561
Ion Ratio Lower Upper
180 100
182 95.6 74.4 111.6
145 34.7 26.3 39.5

