

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030724\
 Data File : VU058002.D
 Acq On : 06 Mar 2024 15:36
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 03:59:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 07 03:58:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	143019	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	135213	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	68099	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	47444	4.611	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.200%
7) Chloroethane-d5	1.904	69	41309	4.884	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.557	65	21482	4.824	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.400%
20) 2-Butanone-d5	4.612	46	94506	55.741	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.480%
24) Chloroform-d	5.052	84	97943	5.033	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.695	65	46316	5.252	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.721	84	193560	4.912	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
36) 1,2-Dichloropropane-d6	6.685	67	59747	4.988	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.894	98	172736	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.177	79	20936	5.082	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.627	63	80415	58.144	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.280%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	40472	5.510	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	56924	5.076	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	44253	5.107	ug/L	99
3) Chloromethane	1.518	50	50992	5.032	ug/L	100
5) Vinyl chloride	1.599	62	54727	5.021	ug/L	97
6) Bromomethane	1.850	94	28470	4.959	ug/L	98
8) Chloroethane	1.927	64	35105	5.115	ug/L	94
9) Trichlorofluoromethane	2.133	101	80320	5.173	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	50423	5.194	ug/L	99
12) 1,1-Dichloroethene	2.573	96	44102	5.111	ug/L	89
13) Acetone	2.612	43	68286	54.120	ug/L	98
14) Carbon disulfide	2.785	76	128111	4.801	ug/L	100
15) Methyl Acetate	2.943	43	15235	5.441	ug/L	95
16) Methylene chloride	3.036	84	51621	4.922	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	106069	5.198	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	46358	4.932	ug/L	97
19) 1,1-Dichloroethane	3.859	63	97491	5.200	ug/L	99
21) 2-Butanone	4.689	43	103476	52.047	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	53131	5.138	ug/L	96
23) Bromochloromethane	4.965	128	20556	5.354	ug/L	93
25) Chloroform	5.078	83	101836	5.320	ug/L	99

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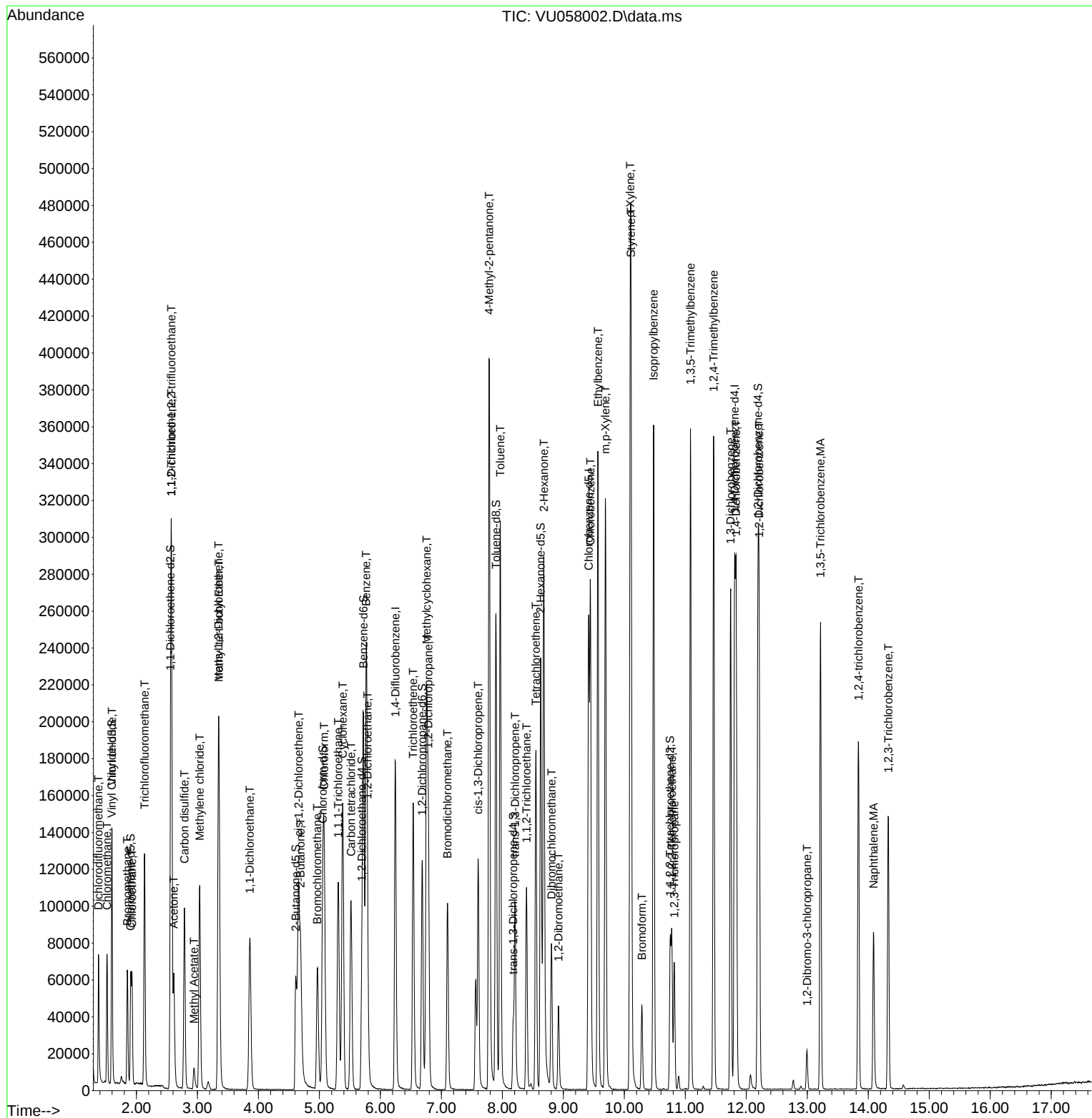
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	56689	5.349	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	83311	5.177	ug/L	98
30) Cyclohexane	5.380	56	78810	4.850	ug/L	99
31) Carbon tetrachloride	5.518	117	70706	5.056	ug/L	98
33) Benzene	5.766	78	213732	5.151	ug/L	100
34) Trichloroethene	6.538	95	54403	4.983	ug/L	98
35) Methylcyclohexane	6.756	83	83188	4.971	ug/L	100
37) 1,2-Dichloropropane	6.785	63	55063	5.147	ug/L	98
38) Bromodichloromethane	7.100	83	67295	5.184	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	77286	5.243	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	264807	53.803	ug/L	99
42) Toluene	7.965	91	223111	5.163	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	60045	5.111	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	32762	5.164	ug/L	99
47) Tetrachloroethene	8.550	164	37873	5.000	ug/L	98
48) 2-Hexanone	8.679	43	194765	53.960	ug/L	99
49) Dibromochloromethane	8.804	129	39718	5.289	ug/L	100
50) 1,2-Dibromoethane	8.920	107	30618	5.438	ug/L	96
51) Chlorobenzene	9.444	112	137127	5.061	ug/L	98
52) Ethylbenzene	9.566	91	245332	5.074	ug/L	100
53) m,p-Xylene	9.689	106	86577	5.012	ug/L	98
54) o-Xylene	10.097	106	85420	4.961	ug/L	98
55) Styrene	10.110	104	141536	5.237	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	41265	5.522	ug/L	96
59) Bromoform	10.287	173	19620	5.166	ug/L	96
60) Isopropylbenzene	10.480	105	226018	4.983	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	28742	5.152	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	189328	4.949	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	189762	5.026	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	105281	5.107	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	100157	4.964	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	91258	5.070	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	5963	5.388	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	73536	4.959	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	54334	4.877	ug/L	99
71) Naphthalene	14.087	128	71703	4.712	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	43912	4.989	ug/L	97

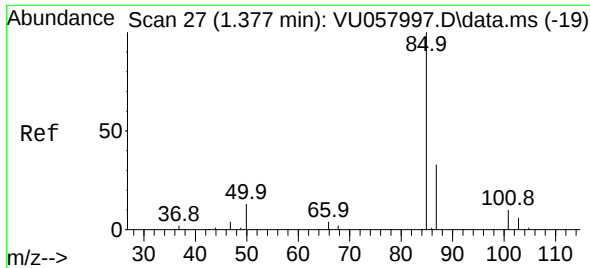
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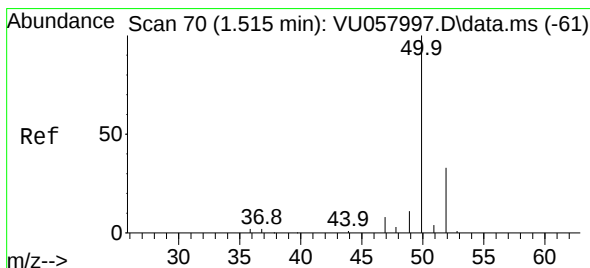
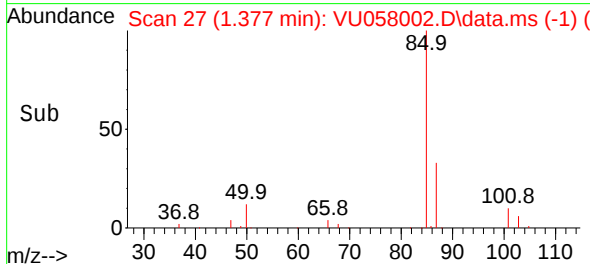
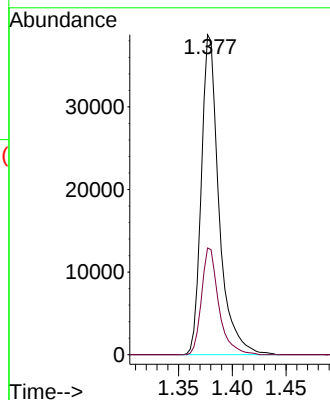
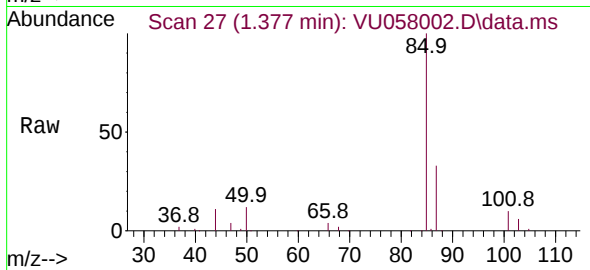




#2
Dichlorodifluoromethane
Concen: 5.107 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

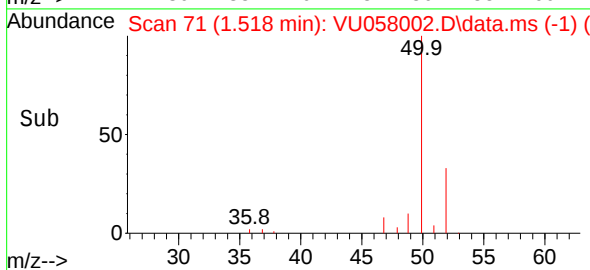
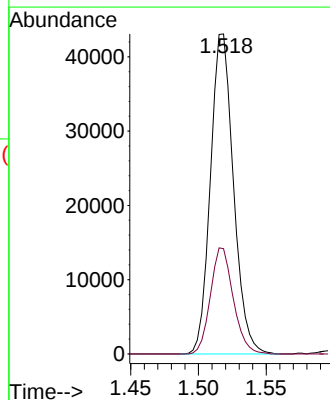
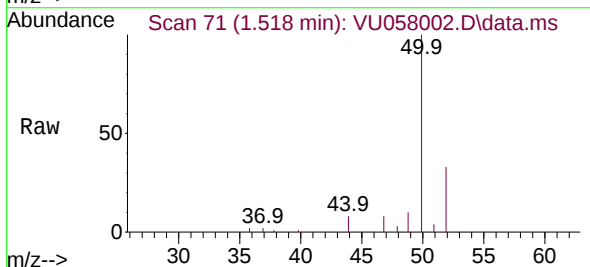
Instrument :
MSVOA_U
ClientSampleId :

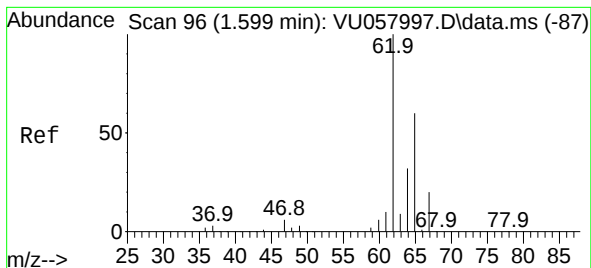
Tgt Ion: 85 Resp: 44253
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.6



#3
Chloromethane
Concen: 5.032 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.003 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion: 50 Resp: 50992
Ion Ratio Lower Upper
50 100
52 32.9 23.1 42.9





#5

Vinyl chloride

Concen: 5.021 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

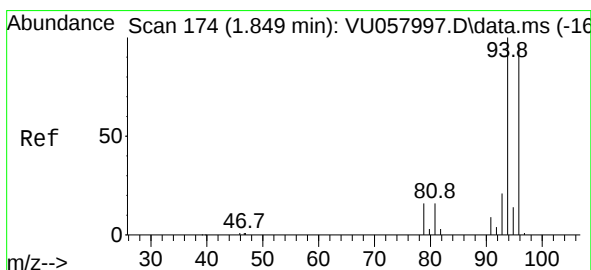
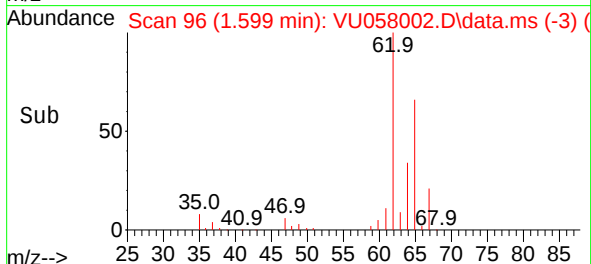
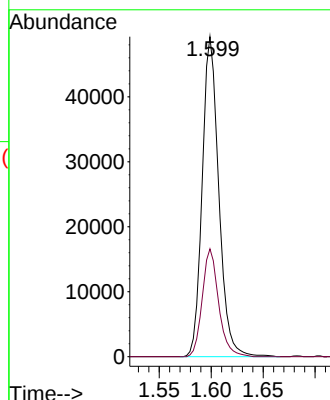
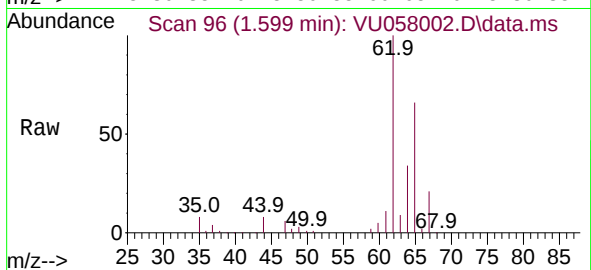
ClientSampleId :

Tgt Ion: 62 Resp: 54727

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#6

Bromomethane

Concen: 4.959 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU058002.D

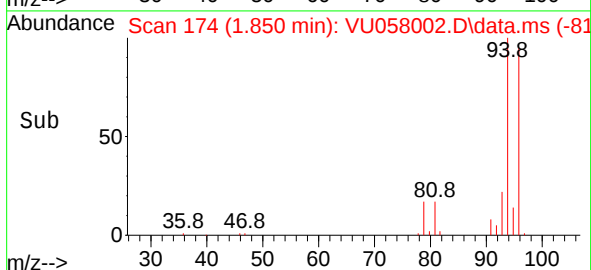
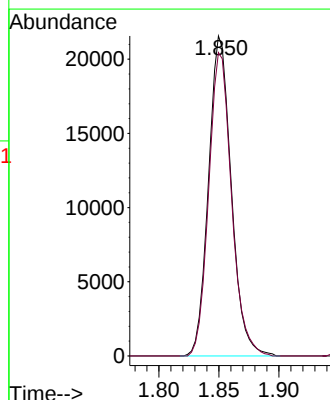
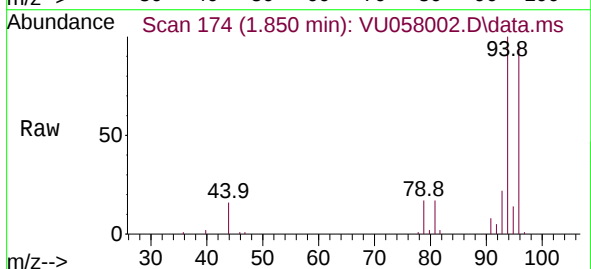
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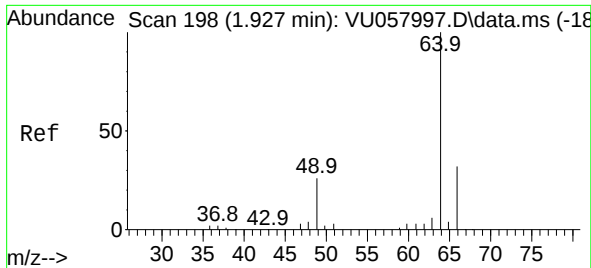
Tgt Ion: 94 Resp: 28470

Ion Ratio Lower Upper

94 100

96 94.8 65.2 121.2

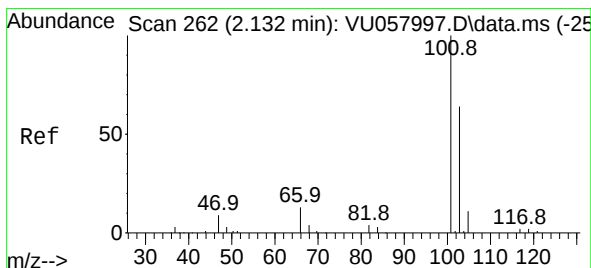
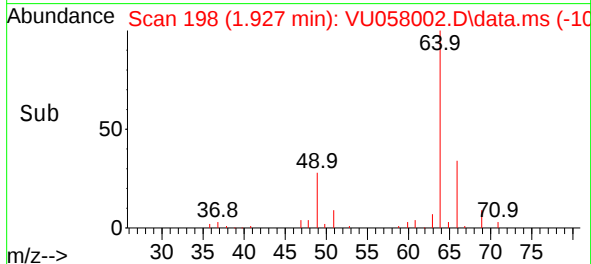
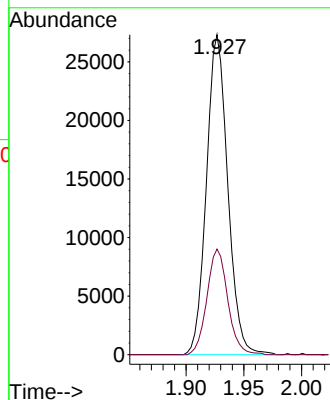
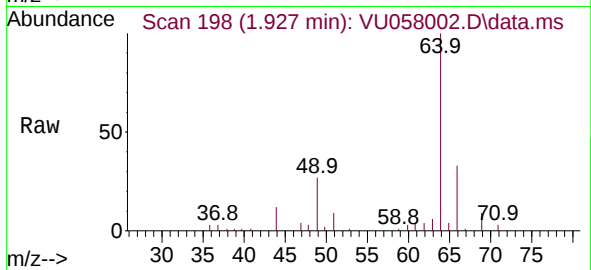




#8
Chloroethane
Concen: 5.115 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

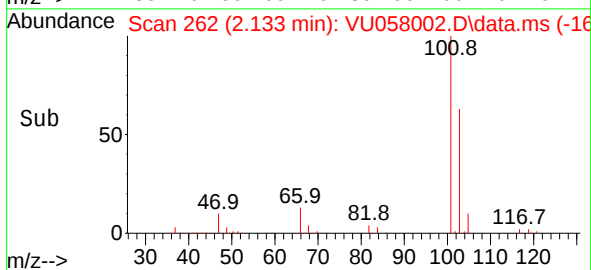
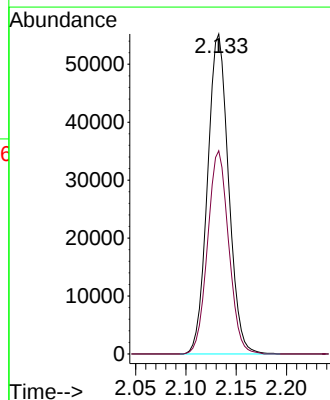
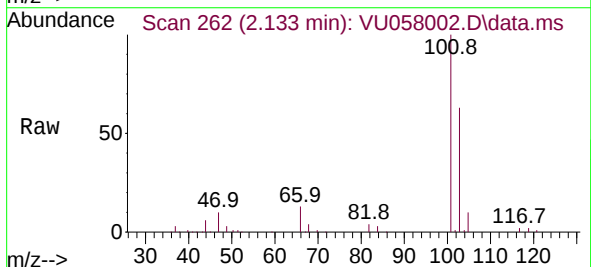
Instrument :
MSVOA_U
ClientSampleId :

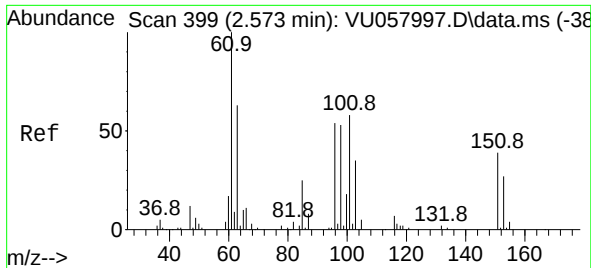
Tgt Ion: 64 Resp: 35105
Ion Ratio Lower Upper
64 100
66 33.0 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.173 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion:101 Resp: 80320
Ion Ratio Lower Upper
101 100
103 63.5 51.4 77.2

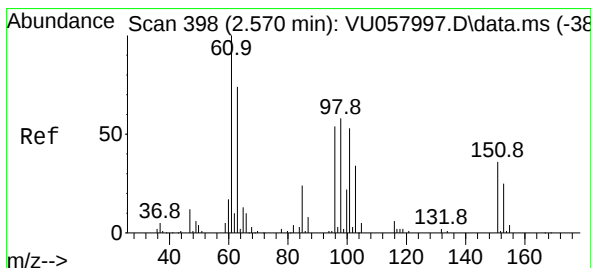
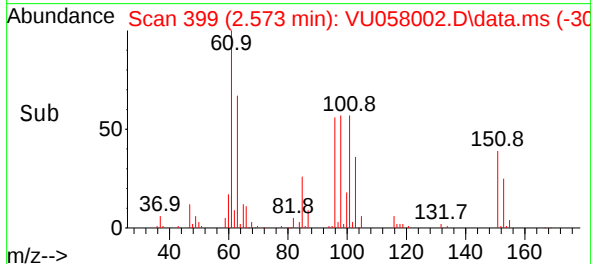
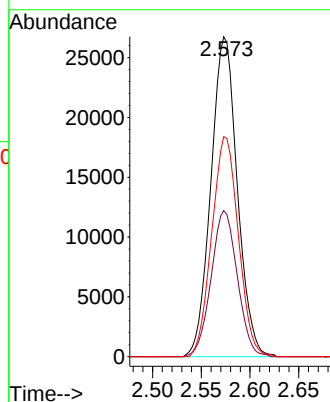
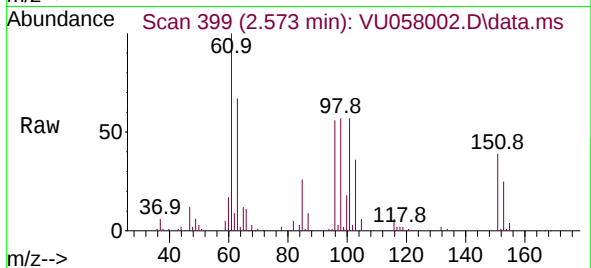




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.194 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU058002.D
 Acq: 06 Mar 2024 15:36

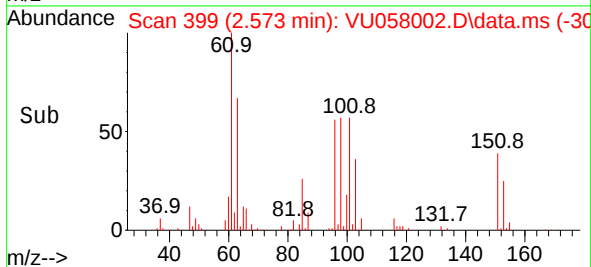
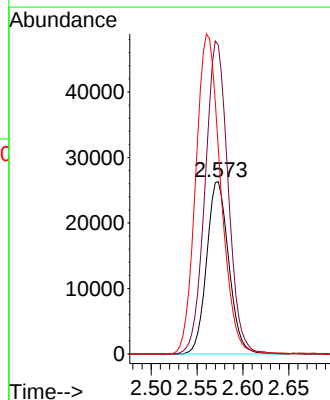
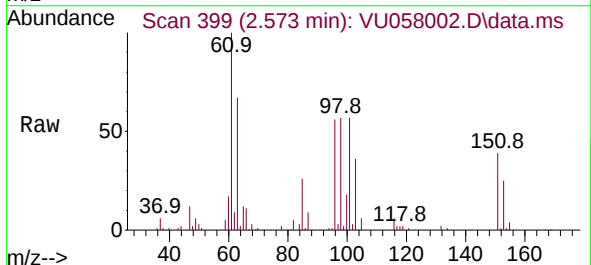
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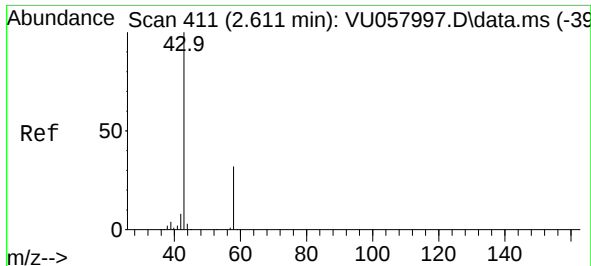
Tgt Ion:101 Resp: 50423
 Ion Ratio Lower Upper
 101 100
 85 45.1 37.3 55.9
 151 69.2 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 5.111 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.003 min
 Lab File: VU058002.D
 Acq: 06 Mar 2024 15:36

Tgt Ion: 96 Resp: 44102
 Ion Ratio Lower Upper
 96 100
 61 179.4 131.8 244.8
 63 119.8 98.1 182.1





#13

Acetone

Concen: 54.120 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

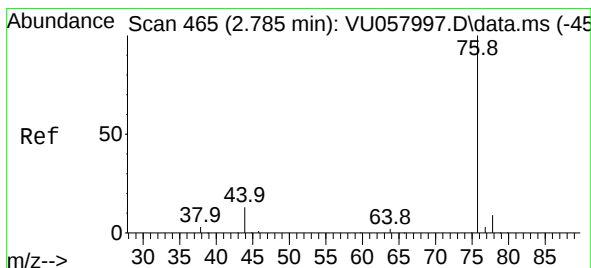
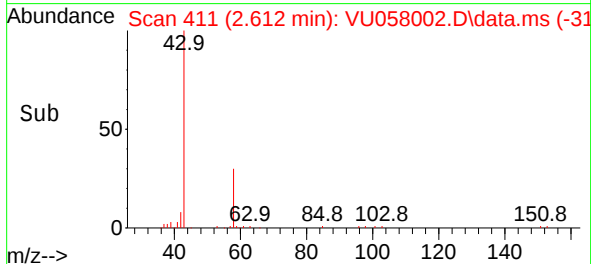
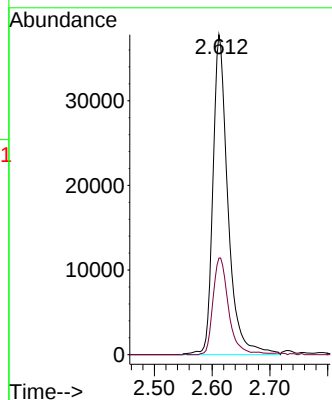
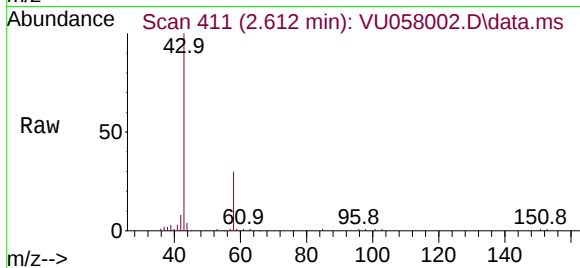
ClientSampleId :

Tgt Ion: 43 Resp: 68286

Ion Ratio Lower Upper

43 100

58 30.9 0.0 63.6



#14

Carbon disulfide

Concen: 4.801 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.000 min

Lab File: VU058002.D

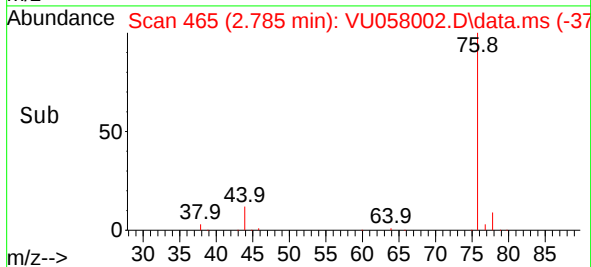
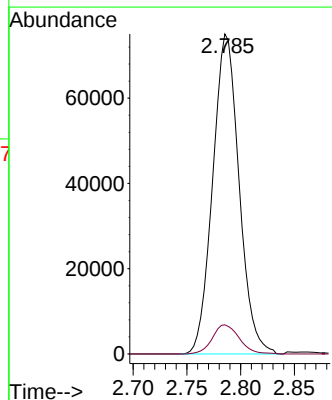
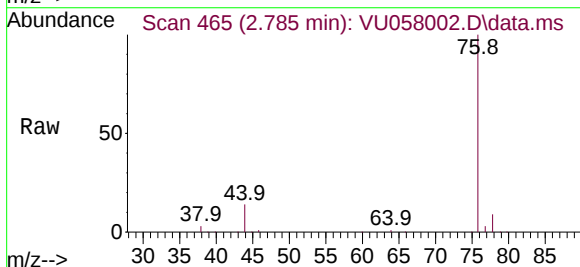
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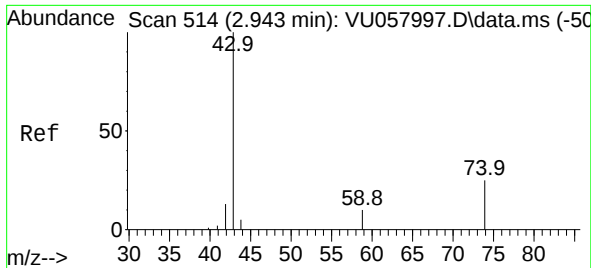
Tgt Ion: 76 Resp: 128111

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 5.441 ug/L

RT: 2.943 min Scan# 514

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

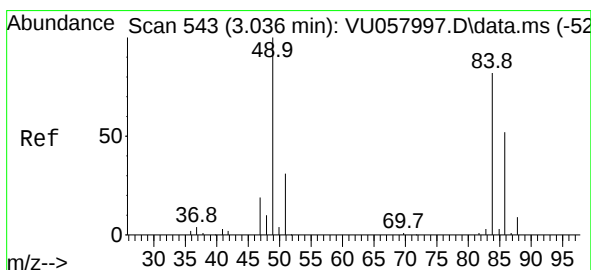
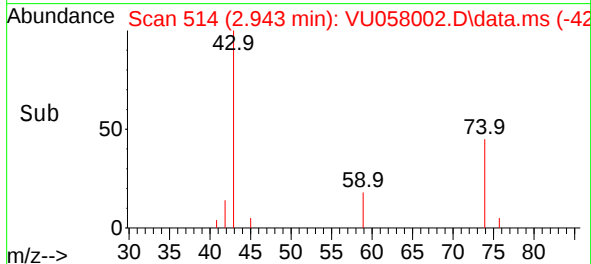
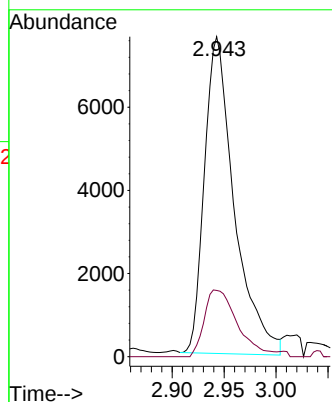
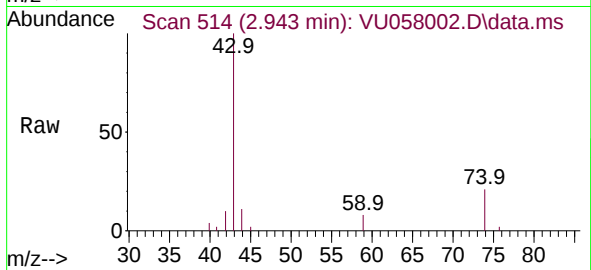
ClientSampleId :

Tgt Ion: 43 Resp: 15235

Ion Ratio Lower Upper

43 100

74 23.4 20.6 31.0



#16

Methylene chloride

Concen: 4.922 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

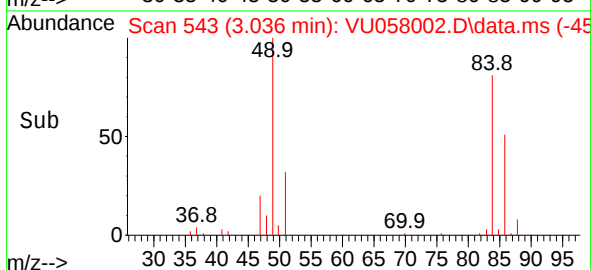
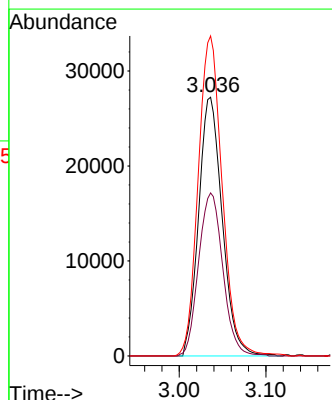
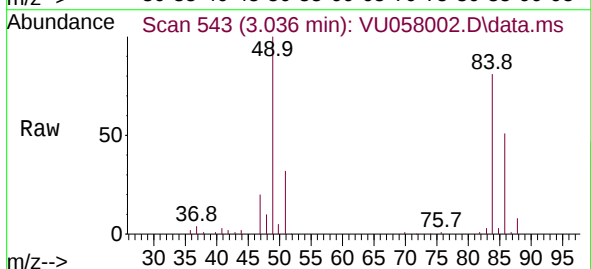
Tgt Ion: 84 Resp: 51621

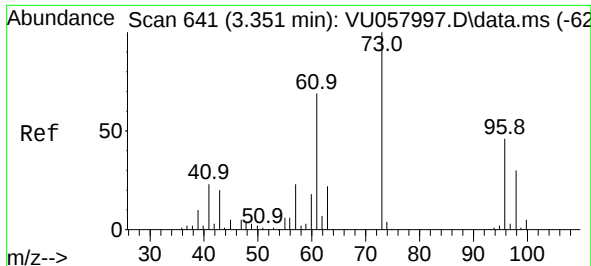
Ion Ratio Lower Upper

84 100

86 63.0 44.4 82.4

49 129.6 88.8 165.0

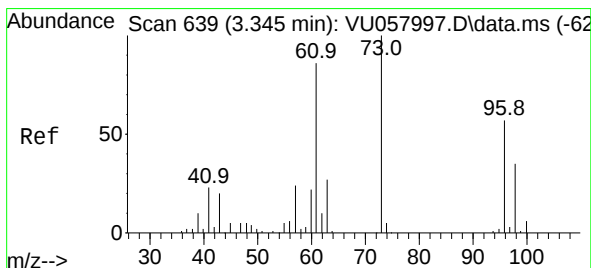
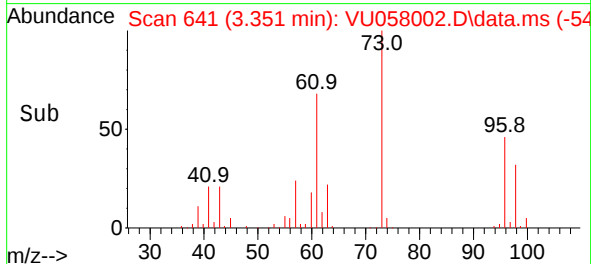
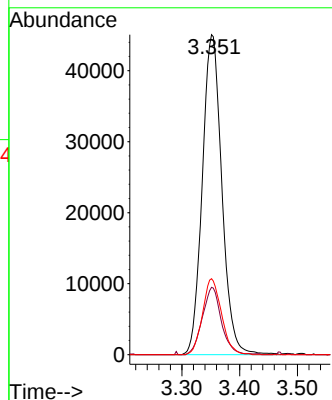
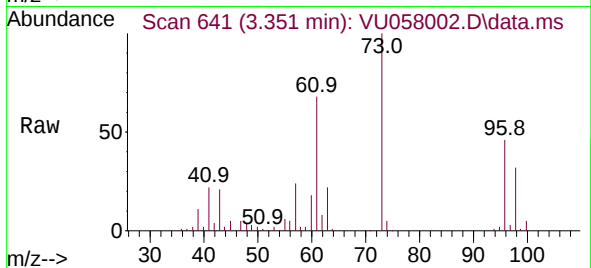




#17
Methyl tert-butyl Ether
Concen: 5.198 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

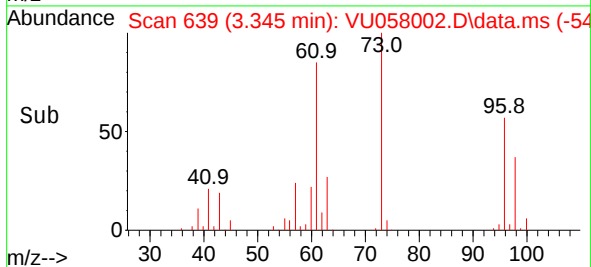
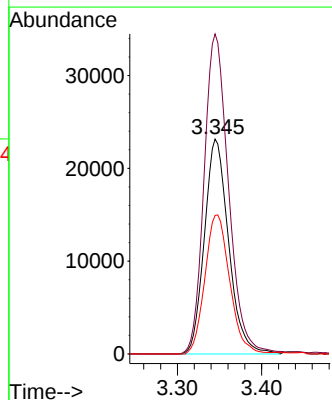
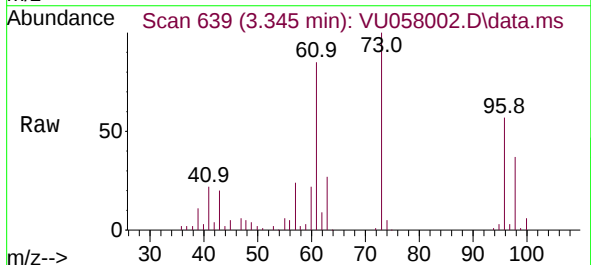
Instrument :
MSVOA_U
ClientSampleId :

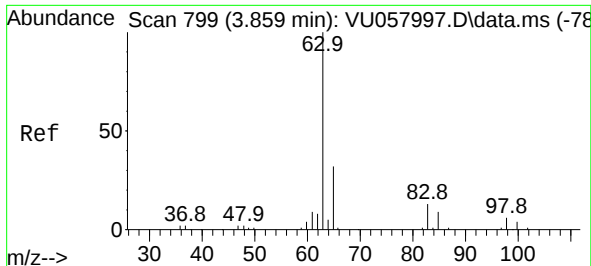
Tgt Ion: 73 Resp: 106069
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.4
57 23.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.932 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion: 96 Resp: 46358
Ion Ratio Lower Upper
96 100
61 148.9 107.7 199.9
98 64.5 45.8 85.0

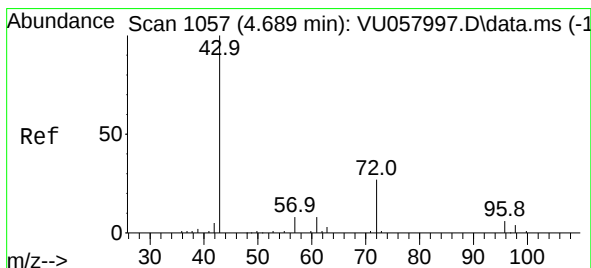
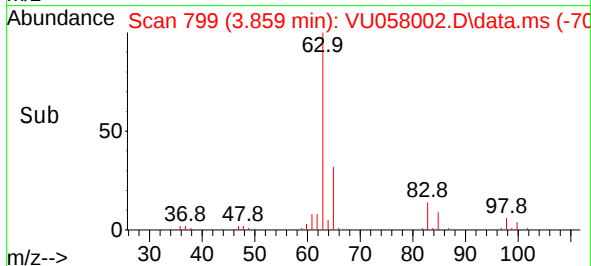
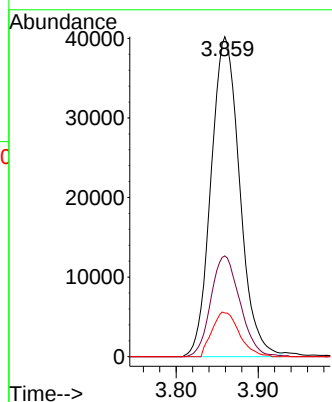
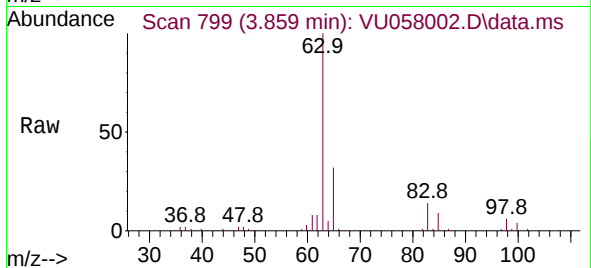




#19
1,1-Dichloroethane
Concen: 5.200 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

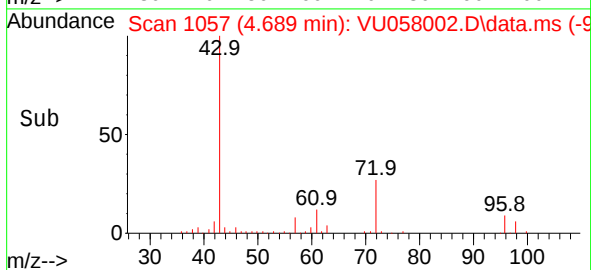
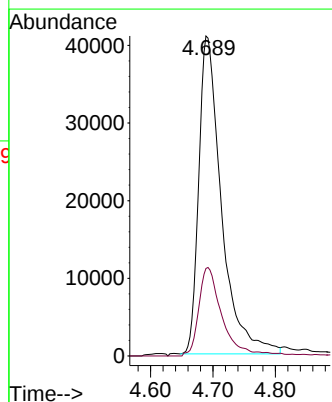
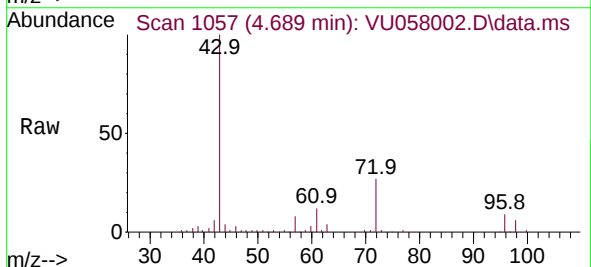
Instrument :
MSVOA_U
ClientSampleId :

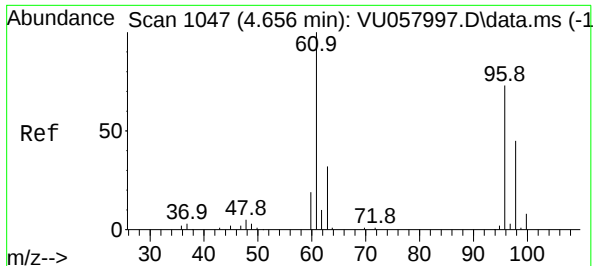
Tgt Ion: 63 Resp: 97491
Ion Ratio Lower Upper
63 100
65 31.5 22.1 41.1
83 13.7 9.0 16.6



#21
2-Butanone
Concen: 52.047 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion: 43 Resp: 103476
Ion Ratio Lower Upper
43 100
72 28.4 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 5.138 ug/L

RT: 4.660 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :

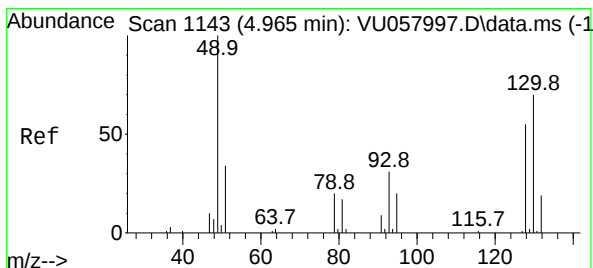
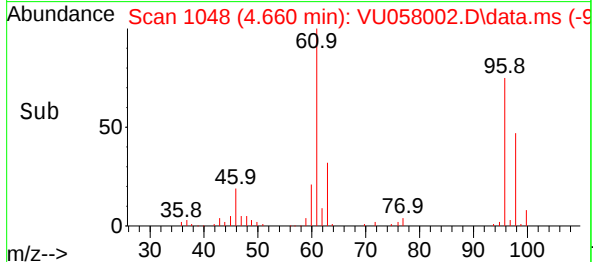
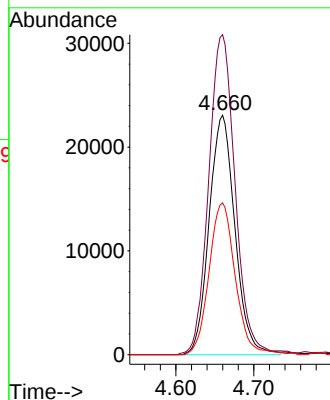
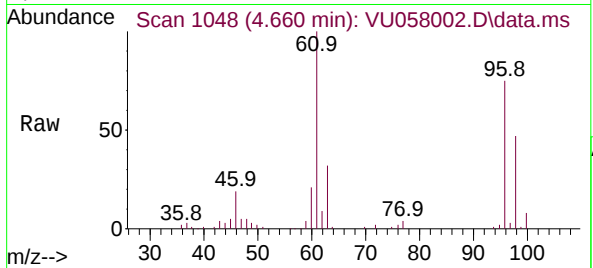
Tgt Ion: 96 Resp: 53131

Ion Ratio Lower Upper

96 100

61 133.6 97.2 180.4

98 63.4 45.5 84.5



#23

Bromochloromethane

Concen: 5.354 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Tgt Ion: 128 Resp: 20556

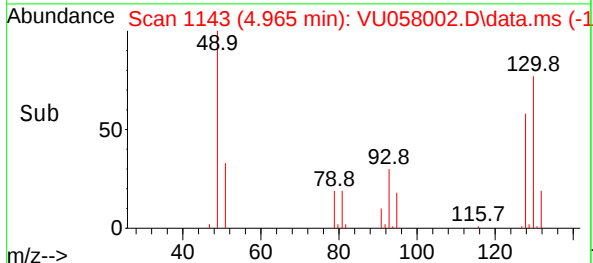
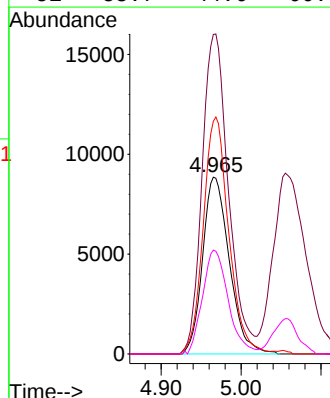
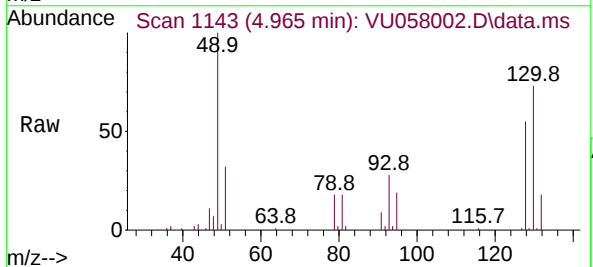
Ion Ratio Lower Upper

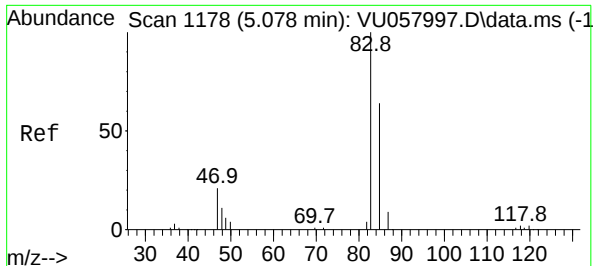
128 100

49 185.9 122.0 226.6

130 131.7 86.6 160.8

51 58.7 44.6 66.8





#25

Chloroform

Concen: 5.320 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

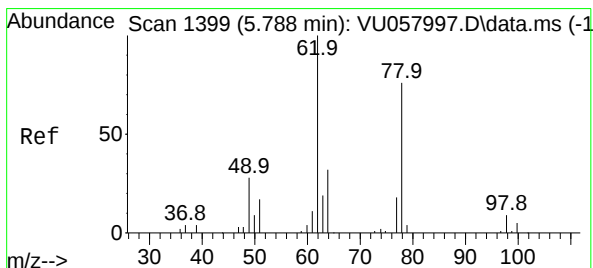
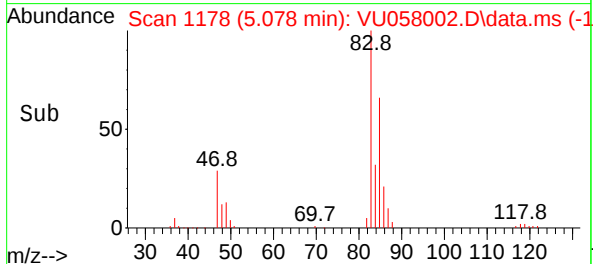
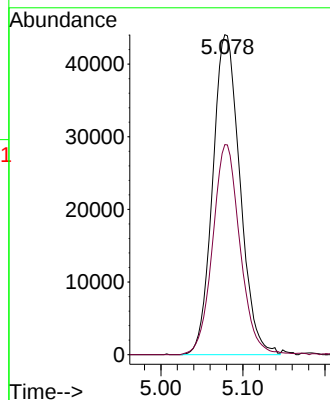
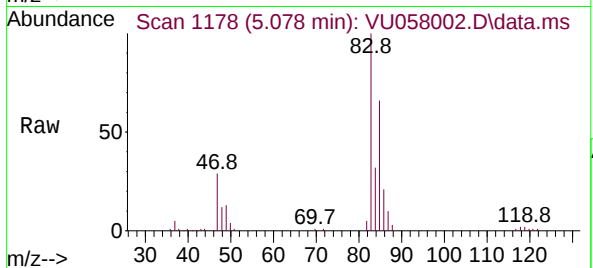
ClientSampleId :

Tgt Ion: 83 Resp: 101836

Ion Ratio Lower Upper

83 100

85 65.6 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.349 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU058002.D

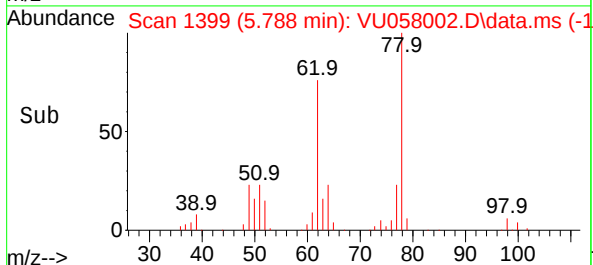
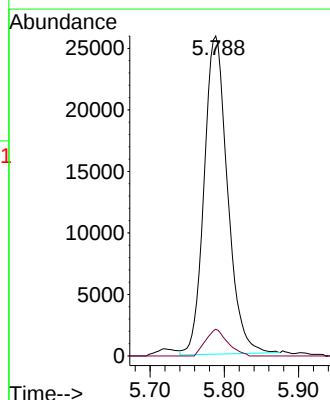
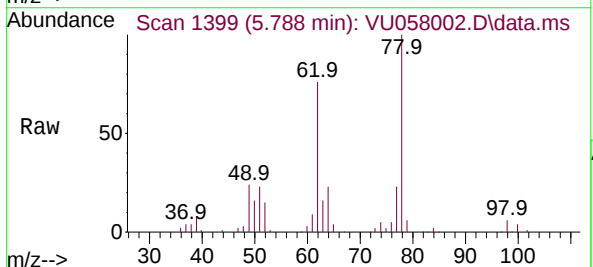
Acq: 06 Mar 2024 15:36

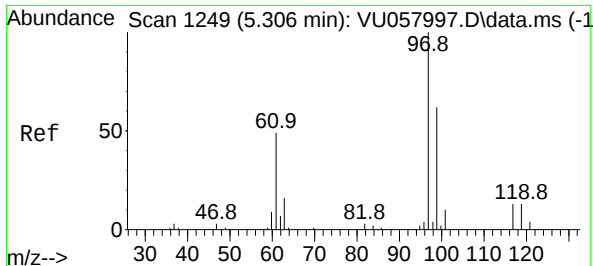
Tgt Ion: 62 Resp: 56689

Ion Ratio Lower Upper

62 100

98 8.3 7.0 10.4

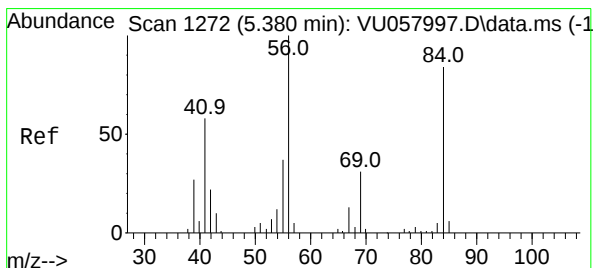
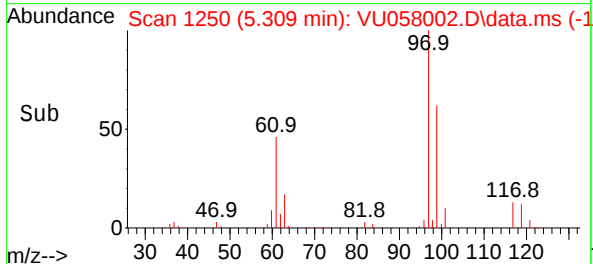
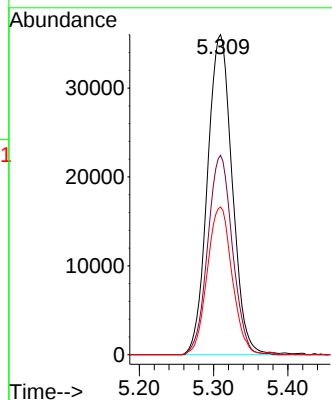
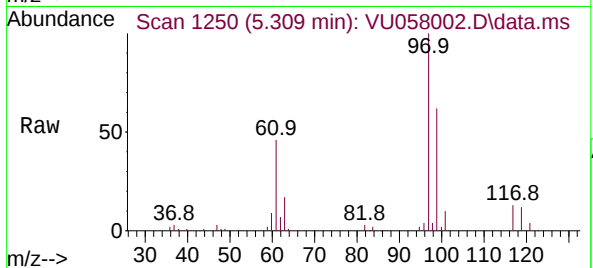




#29
1,1,1-Trichloroethane
Concen: 5.177 ug/L
RT: 5.309 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

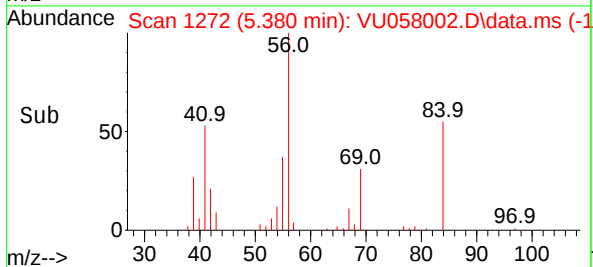
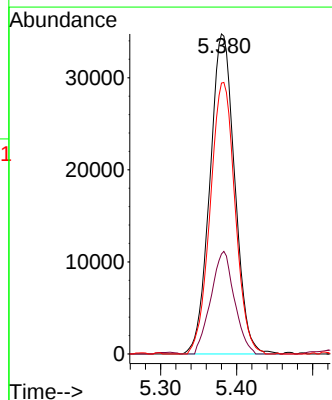
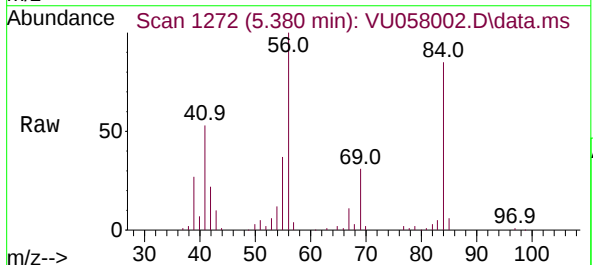
Instrument :
MSVOA_U
ClientSampleId :

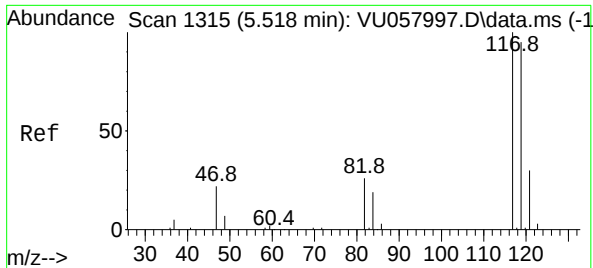
Tgt Ion: 97	Resp: 83311
Ion Ratio	Lower Upper
97	100
99	62.1 51.2 76.8
61	46.4 37.4 56.2



#30
Cyclohexane
Concen: 4.850 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion: 56	Resp: 78810
Ion Ratio	Lower Upper
56	100
69	30.3 24.2 36.2
84	84.8 66.6 99.8

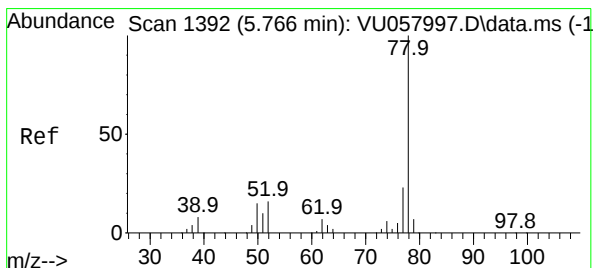
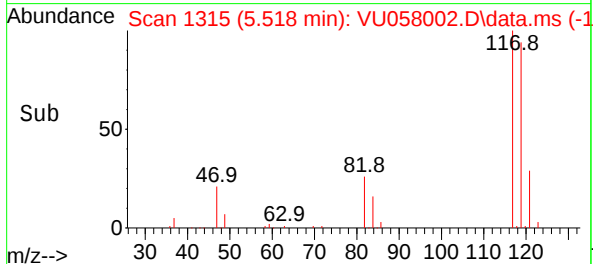
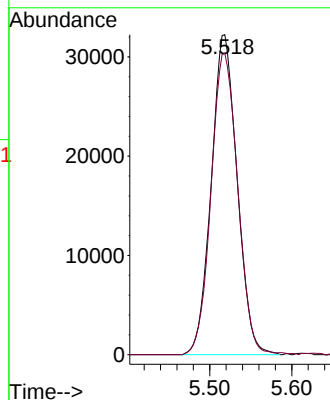
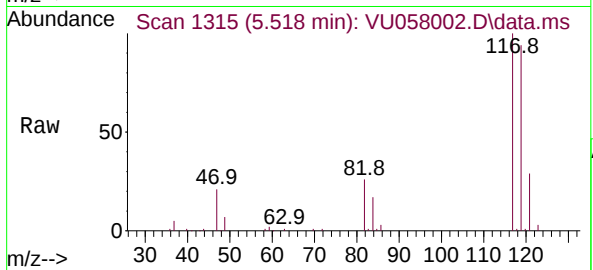




#31
Carbon tetrachloride
Concen: 5.056 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

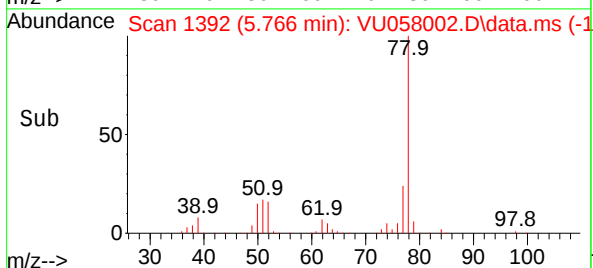
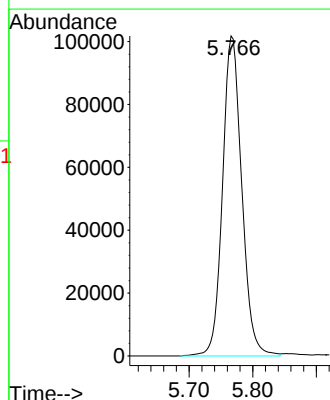
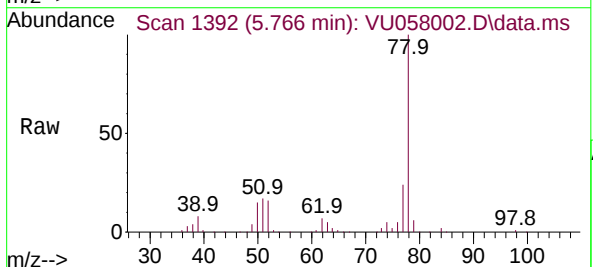
Instrument :
MSVOA_U
ClientSampleId :

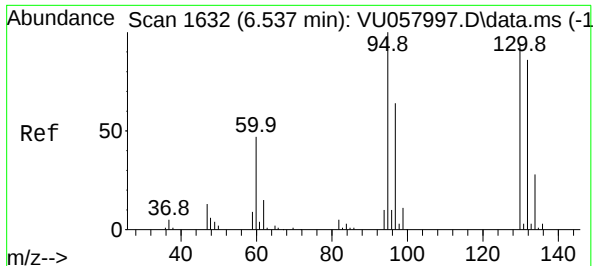
Tgt Ion:117 Resp: 70706
Ion Ratio Lower Upper
117 100
119 96.8 75.8 113.8



#33
Benzene
Concen: 5.151 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion: 78 Resp: 213732





#34

Trichloroethene

Concen: 4.983 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 54403

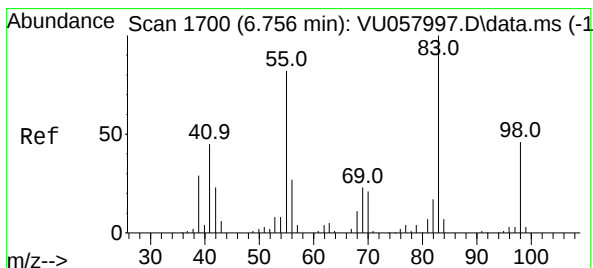
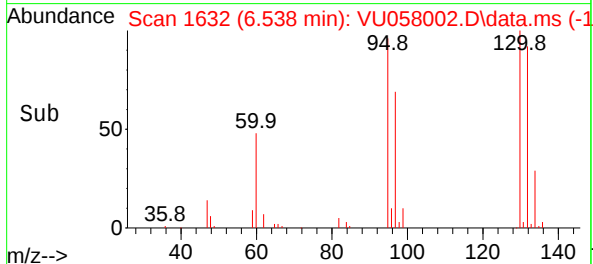
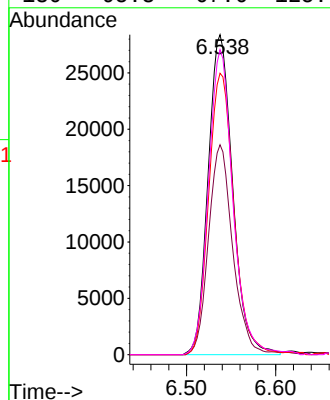
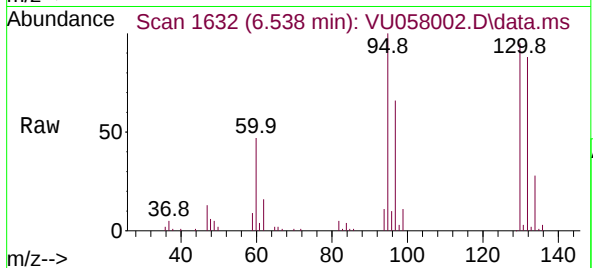
Ion Ratio Lower Upper

95 100

97 65.6 45.3 84.1

132 88.0 63.1 117.1

130 95.3 67.6 125.6



#35

Methylcyclohexane

Concen: 4.971 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

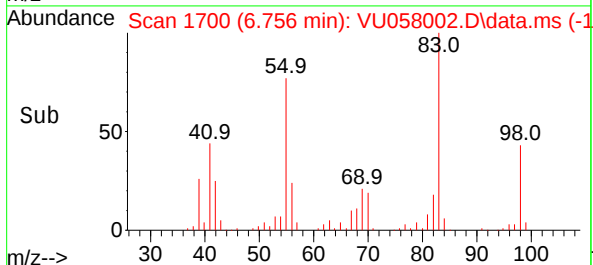
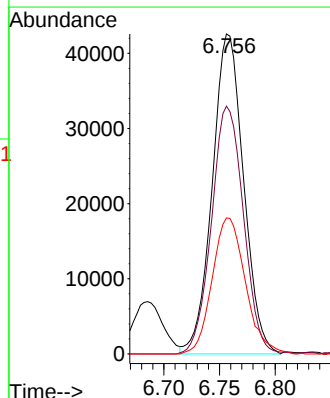
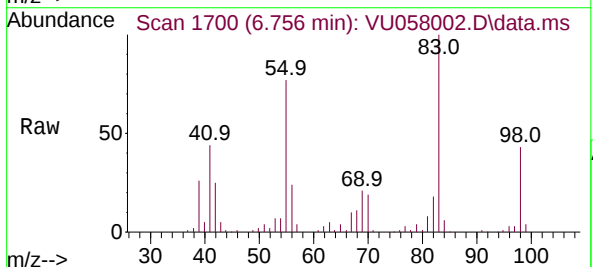
Tgt Ion: 83 Resp: 83188

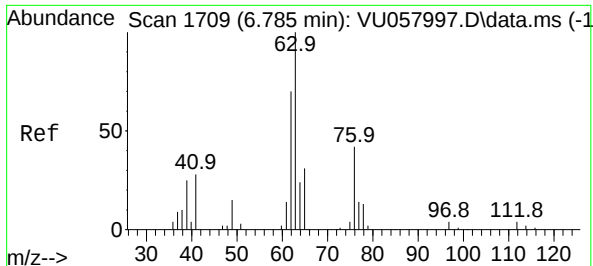
Ion Ratio Lower Upper

83 100

55 79.2 63.0 94.6

98 45.2 36.2 54.4

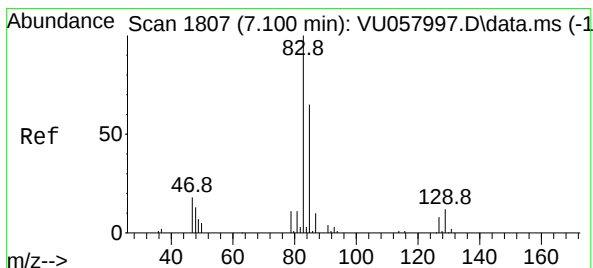
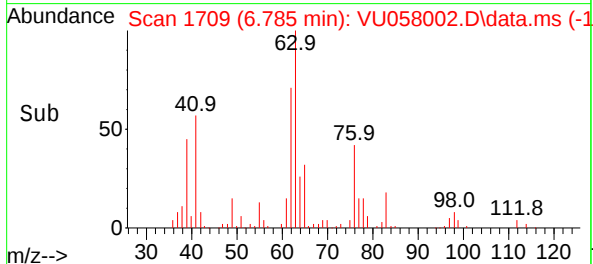
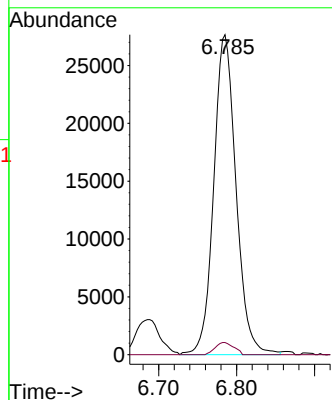
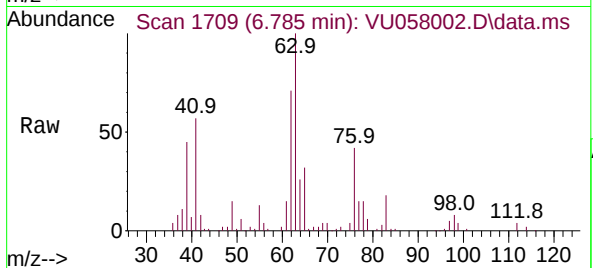




#37
1,2-Dichloropropane
Concen: 5.147 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

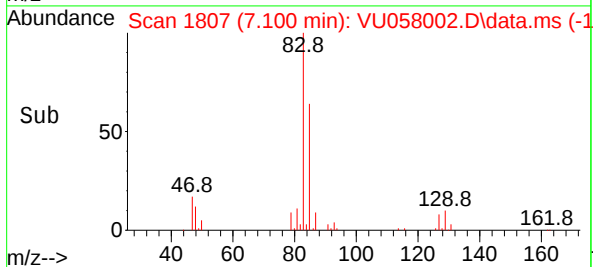
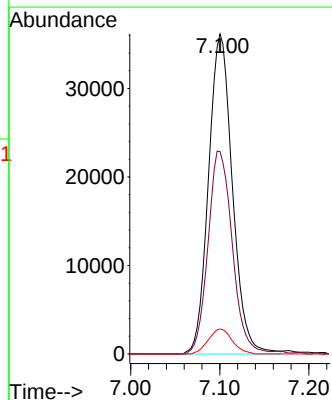
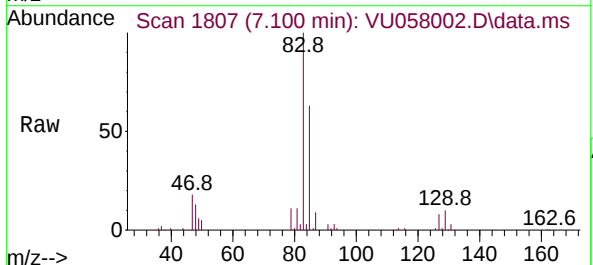
Instrument :
MSVOA_U
ClientSampleId :

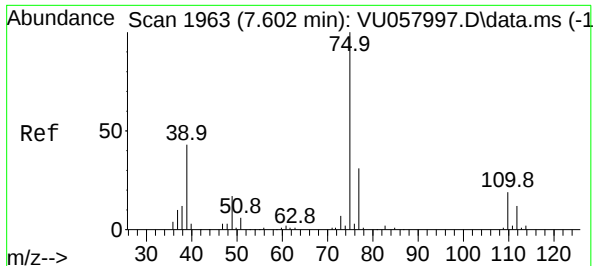
Tgt Ion: 63 Resp: 55063
Ion Ratio Lower Upper
63 100
112 3.2 3.0 4.4



#38
Bromodichloromethane
Concen: 5.184 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion: 83 Resp: 67295
Ion Ratio Lower Upper
83 100
85 63.2 44.5 82.7
127 7.8 6.6 9.8

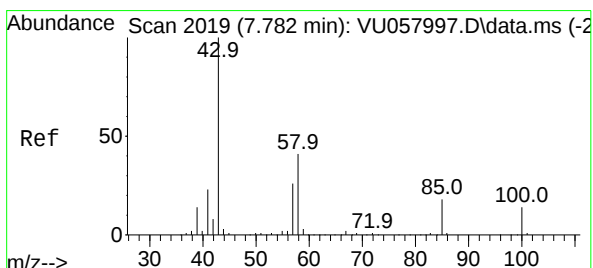
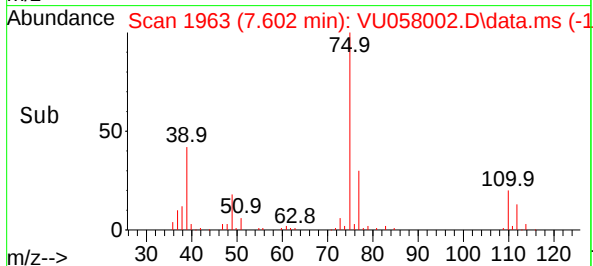
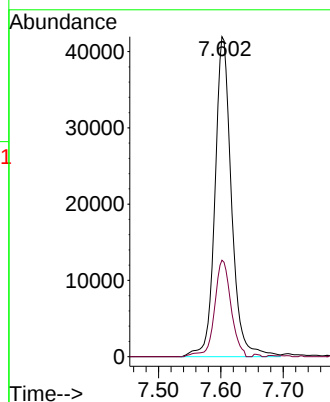
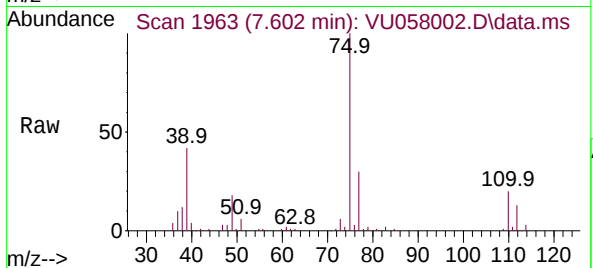




#39
 cis-1,3-Dichloropropene
 Concen: 5.243 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU058002.D
 Acq: 06 Mar 2024 15:36

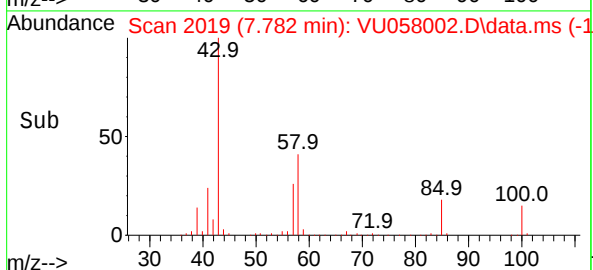
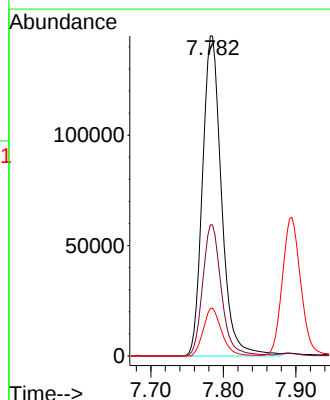
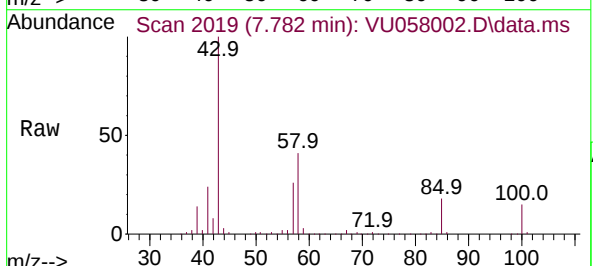
Instrument :
 MSVOA_U
 ClientSampleId :

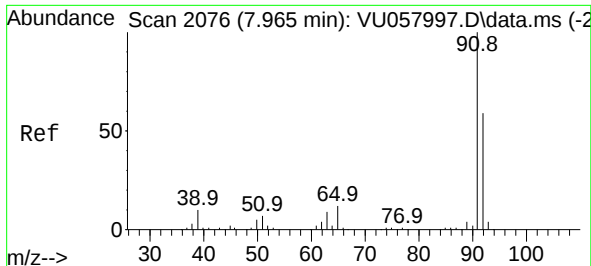
Tgt Ion: 75 Resp: 77286
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.803 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU058002.D
 Acq: 06 Mar 2024 15:36

Tgt Ion: 43 Resp: 264807
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.7 47.5
 100 14.4 11.3 16.9





#42

Toluene

Concen: 5.163 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

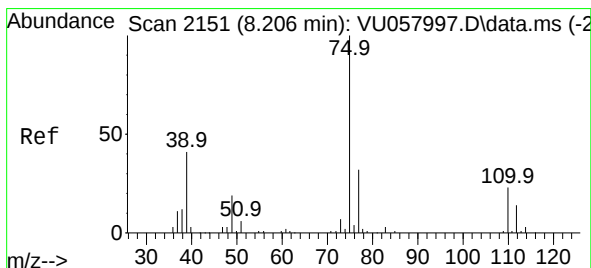
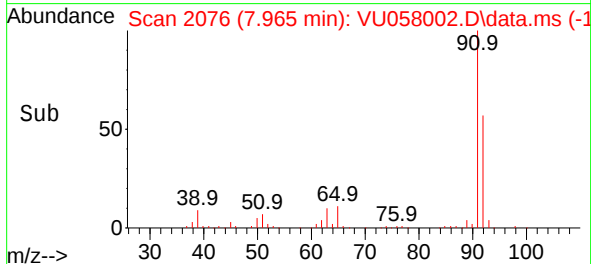
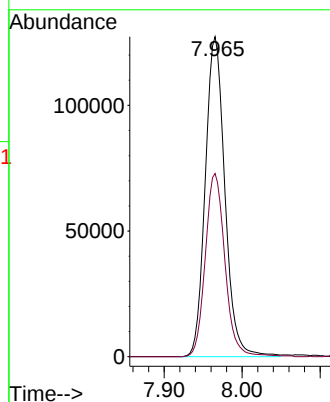
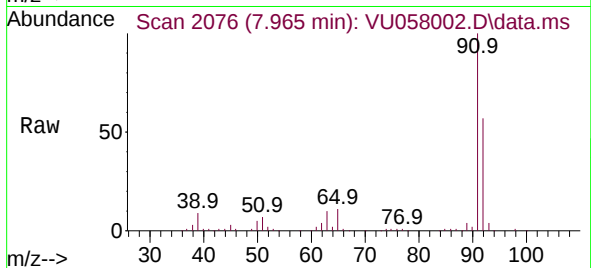
ClientSampleId :

Tgt Ion: 91 Resp: 223111

Ion Ratio Lower Upper

91 100

92 57.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.111 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU058002.D

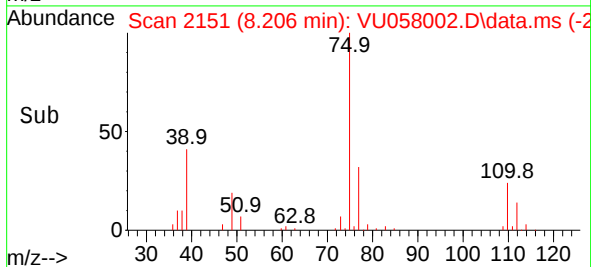
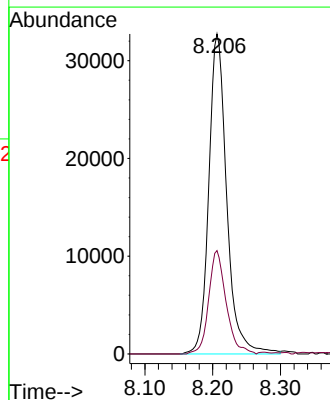
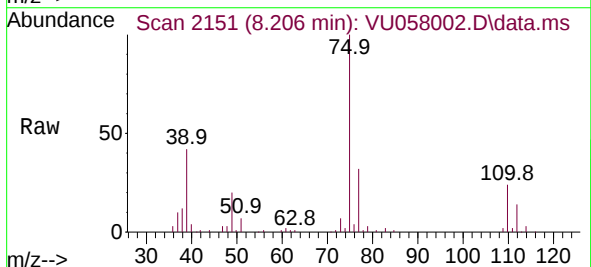
Acq: 06 Mar 2024 15:36

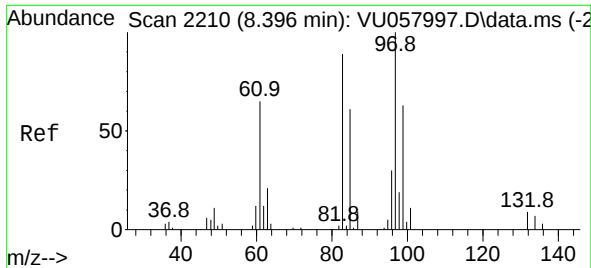
Tgt Ion: 75 Resp: 60045

Ion Ratio Lower Upper

75 100

77 32.3 23.1 42.9

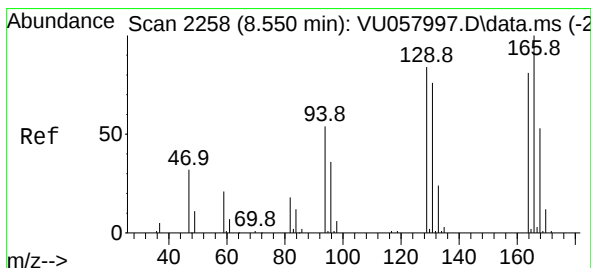
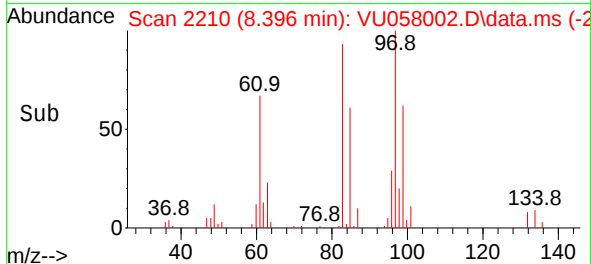
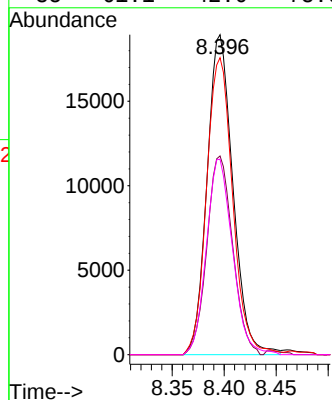
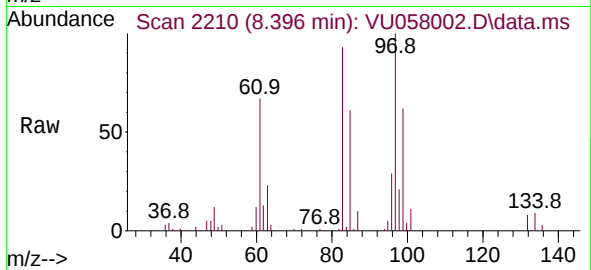




#45
1,1,2-Trichloroethane
Concen: 5.164 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

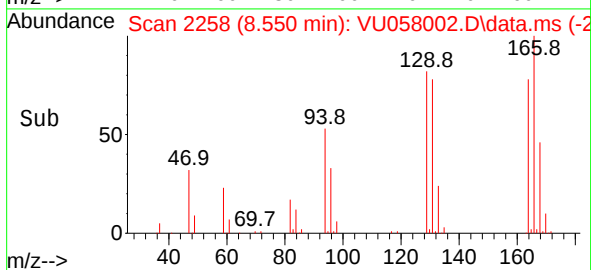
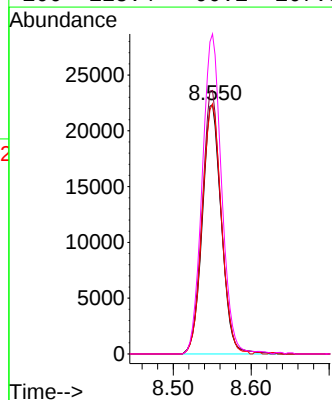
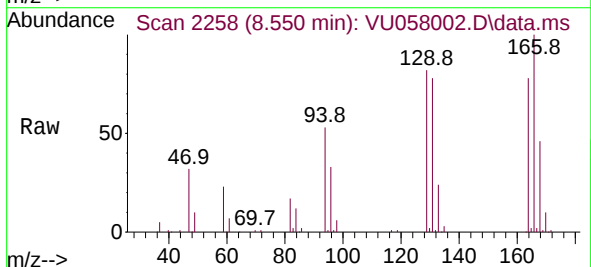
Instrument :
MSVOA_U
ClientSampleId :

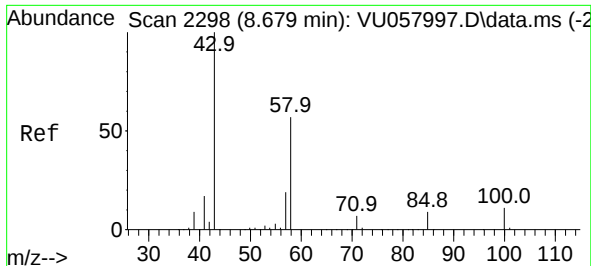
Tgt Ion: 97	Resp: 32762
Ion Ratio	Lower Upper
97 100	
99 62.1	44.2 82.2
83 92.8	64.2 119.2
85 61.1	42.0 78.0



#47
Tetrachloroethene
Concen: 5.000 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt	Ion:164	Resp:	37873
Ion	Ratio	Lower	Upper
164	100		
129	105.7	69.3	128.7
131	100.3	69.9	129.9
166	128.4	90.1	167.3





#48

2-Hexanone

Concen: 53.960 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 194765

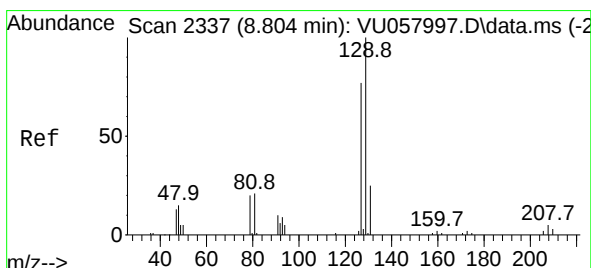
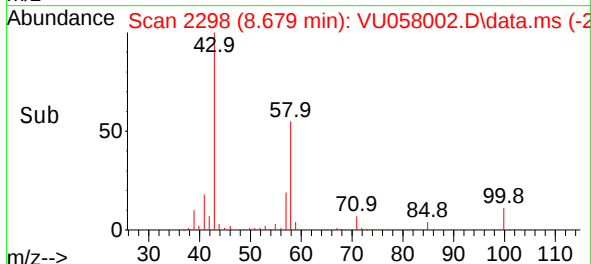
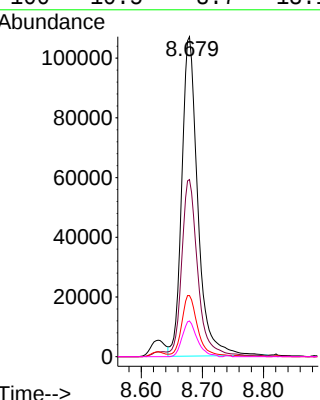
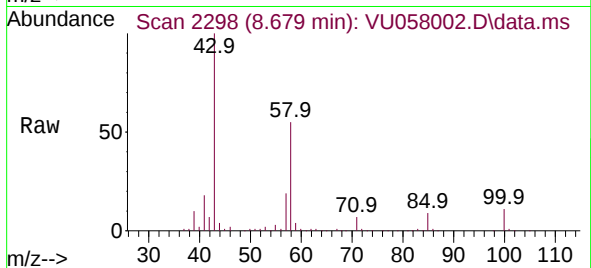
Ion Ratio Lower Upper

43 100

58 54.9 43.3 64.9

57 19.3 15.2 22.8

100 10.5 8.7 13.1



#49

Dibromochloromethane

Concen: 5.289 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU058002.D

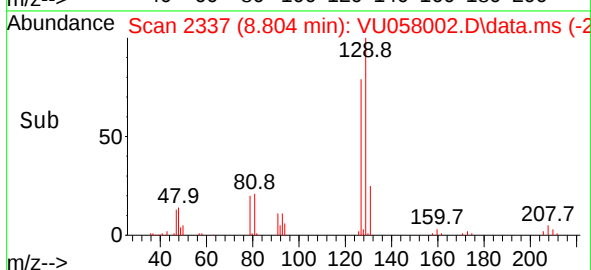
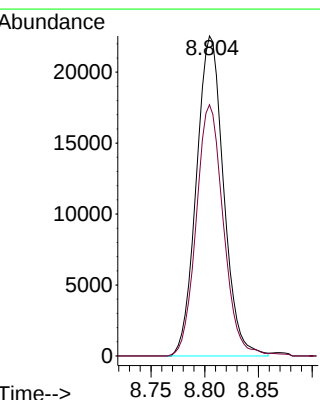
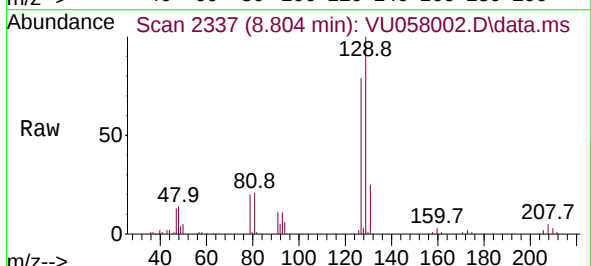
Acq: 06 Mar 2024 15:36

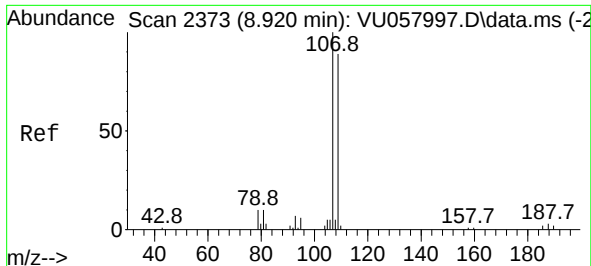
Tgt Ion:129 Resp: 39718

Ion Ratio Lower Upper

129 100

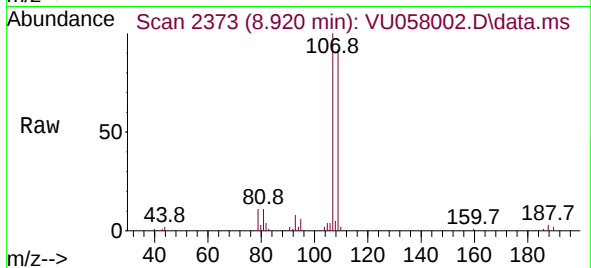
127 78.5 55.2 102.6



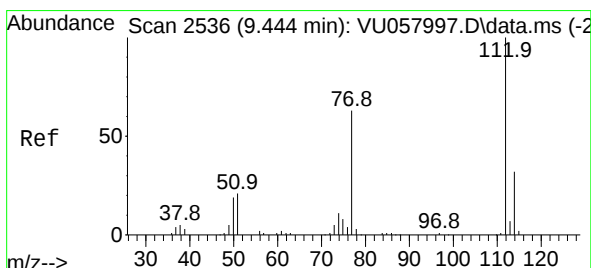
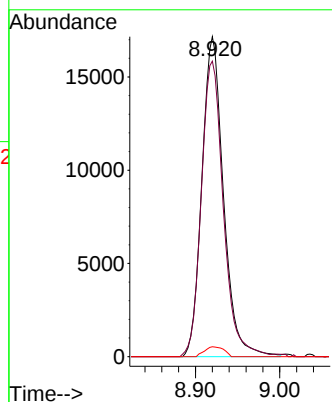
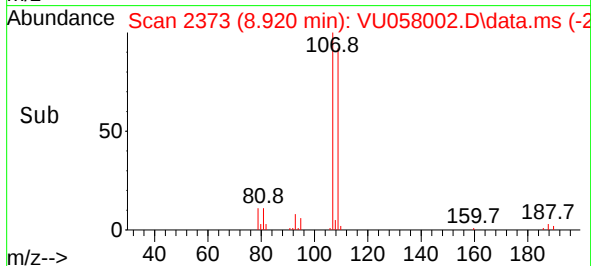


#50
1,2-Dibromoethane
Concen: 5.438 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Instrument :
MSVOA_U
ClientSampleId :

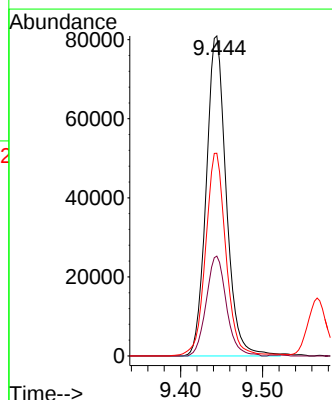
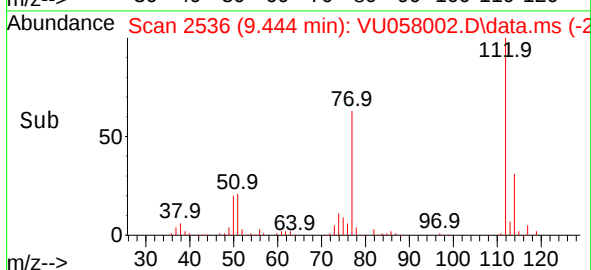
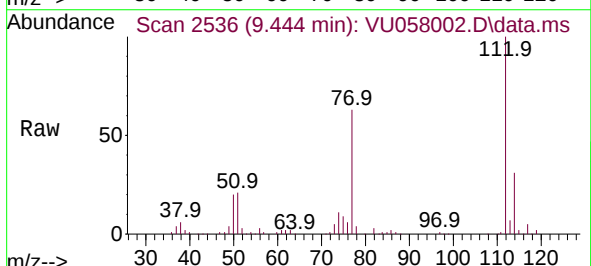


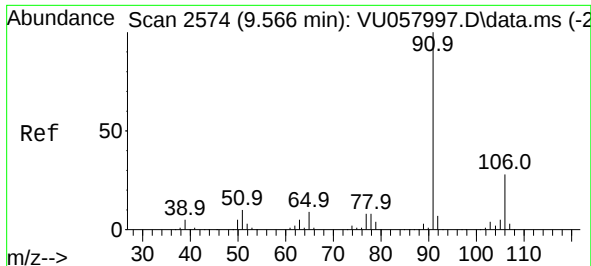
Tgt Ion:107 Resp: 30618
Ion Ratio Lower Upper
107 100
109 92.4 67.8 125.8
188 3.1 2.4 3.6



#51
Chlorobenzene
Concen: 5.061 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion:112 Resp: 137127
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.1
77 63.4 52.3 78.5

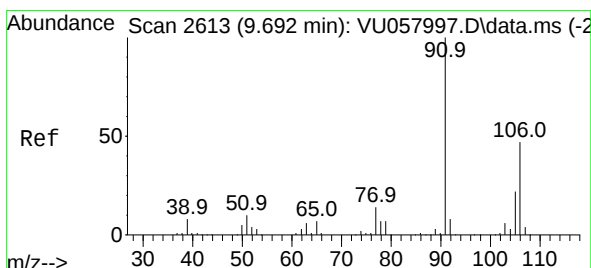
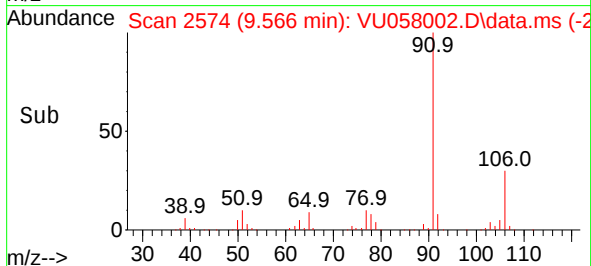
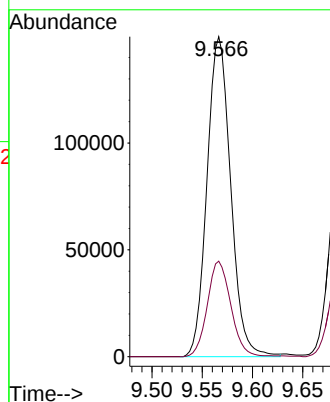
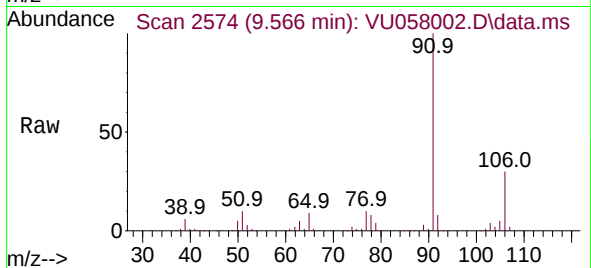




#52
Ethylbenzene
Concen: 5.074 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

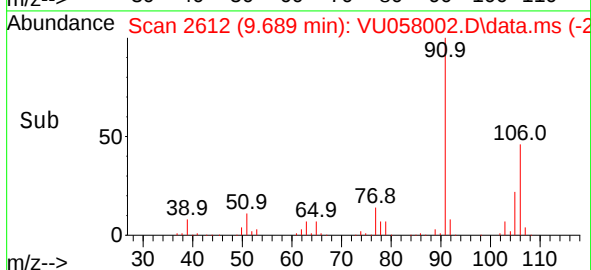
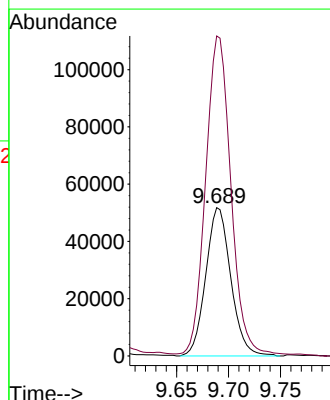
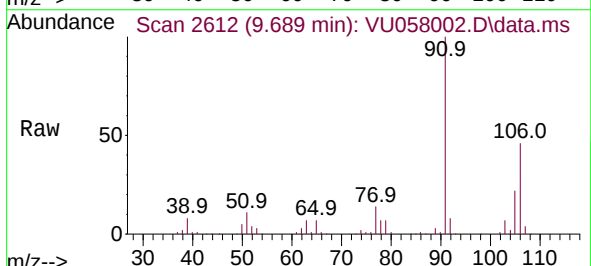
Instrument :
MSVOA_U
ClientSampleId :

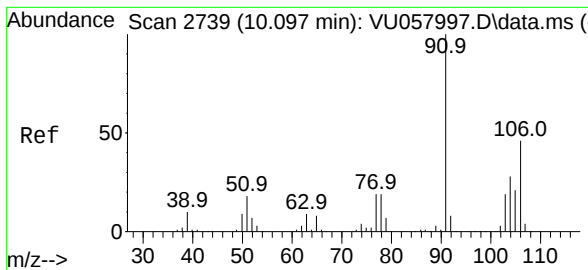
Tgt Ion: 91 Resp: 245332
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.7



#53
m,p-Xylene
Concen: 5.012 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion: 106 Resp: 86577
Ion Ratio Lower Upper
106 100
91 215.7 148.8 276.4

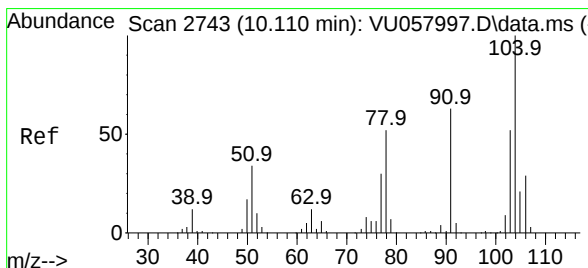
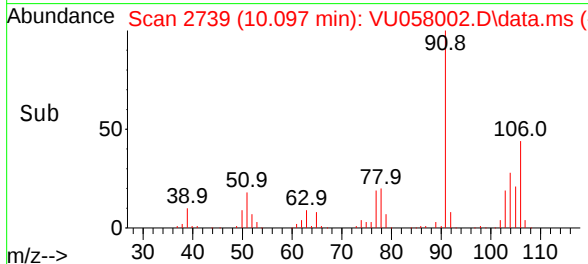
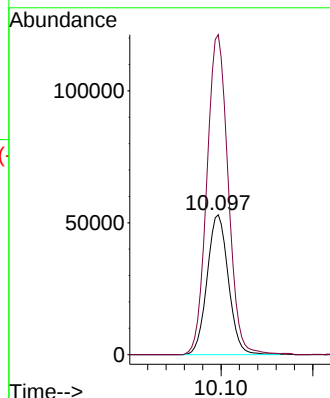
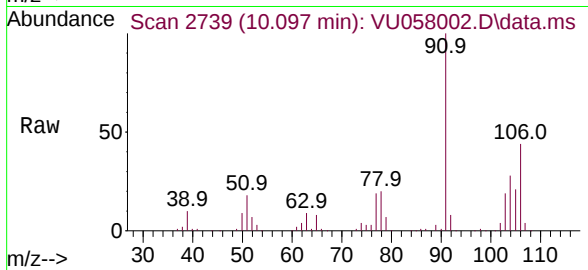




#54
o-Xylene
Concen: 4.961 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

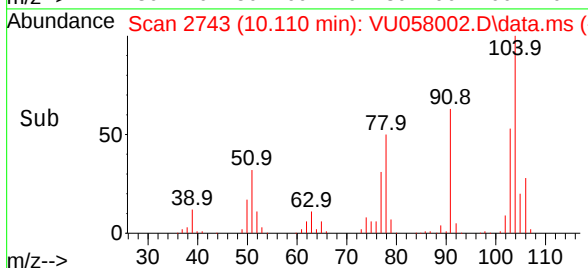
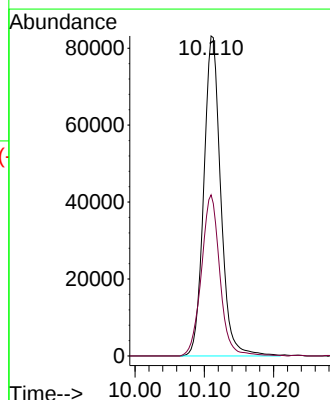
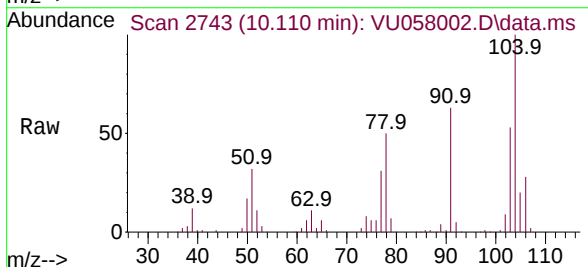
Instrument :
MSVOA_U
ClientSampleId :

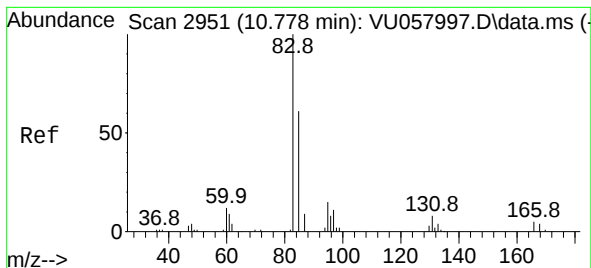
Tgt Ion:106 Resp: 85420
Ion Ratio Lower Upper
106 100
91 228.7 158.3 294.1



#55
Styrene
Concen: 5.237 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion:104 Resp: 141536
Ion Ratio Lower Upper
104 100
78 50.3 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.522 ug/L

RT: 10.779 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :

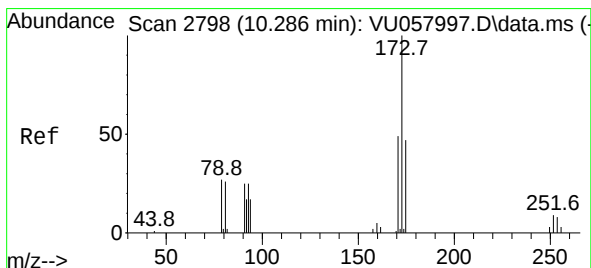
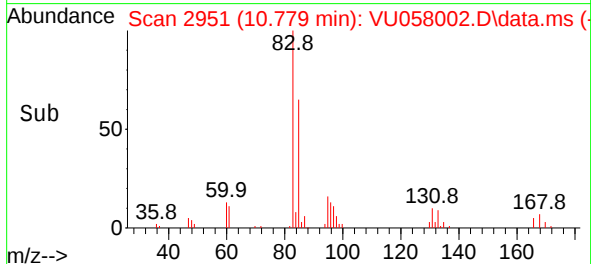
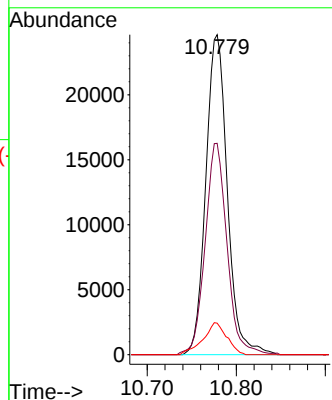
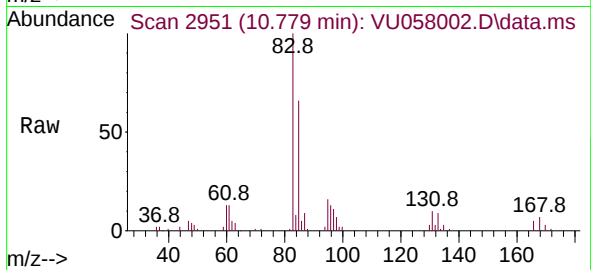
Tgt Ion: 83 Resp: 41265

Ion Ratio Lower Upper

83 100

85 66.0 44.0 81.6

131 9.9 6.9 10.3



#59

Bromoform

Concen: 5.166 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

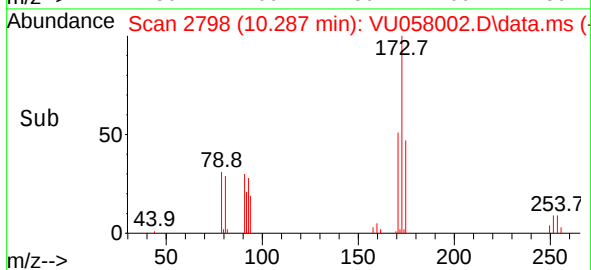
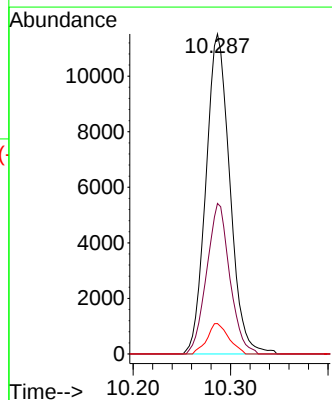
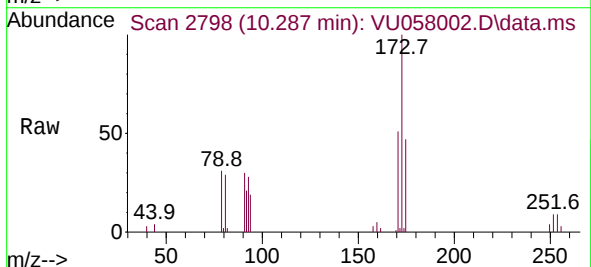
Tgt Ion:173 Resp: 19620

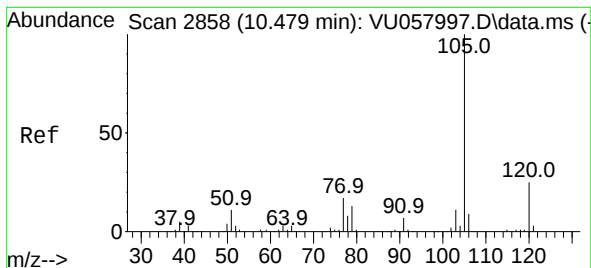
Ion Ratio Lower Upper

173 100

175 45.5 38.6 57.8

254 8.6 7.3 10.9





#60

Isopropylbenzene

Concen: 4.983 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :

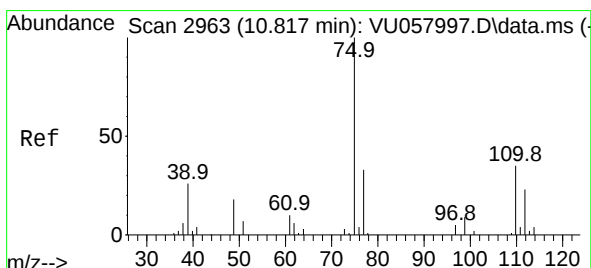
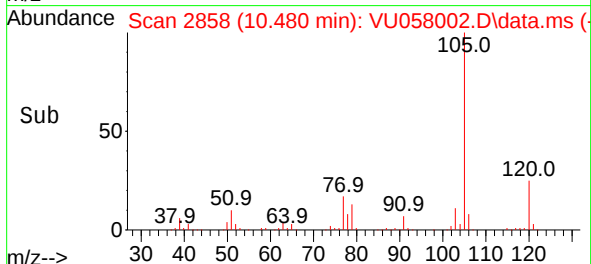
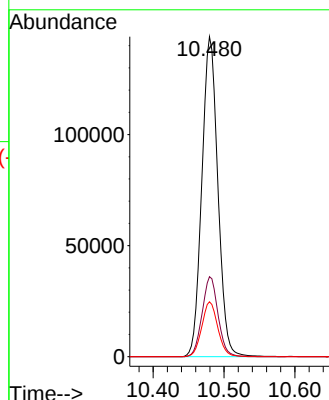
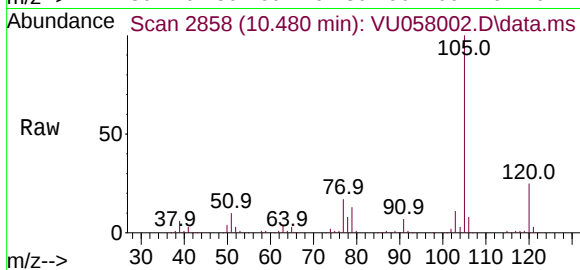
Tgt Ion:105 Resp: 226018

Ion Ratio Lower Upper

105 100

120 24.8 20.4 30.6

77 17.1 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.152 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

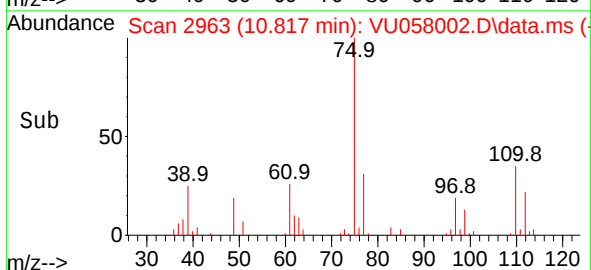
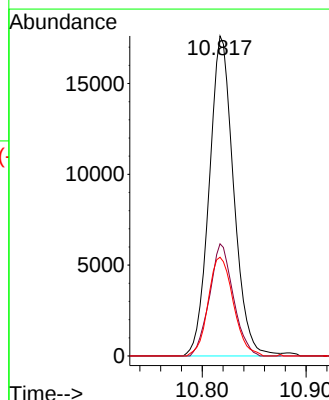
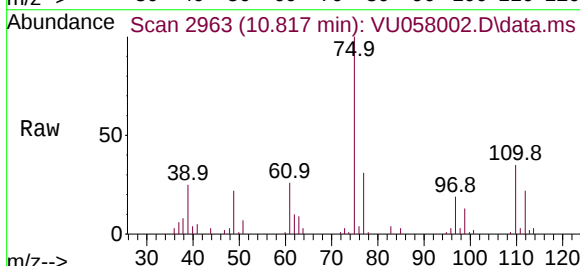
Tgt Ion: 75 Resp: 28742

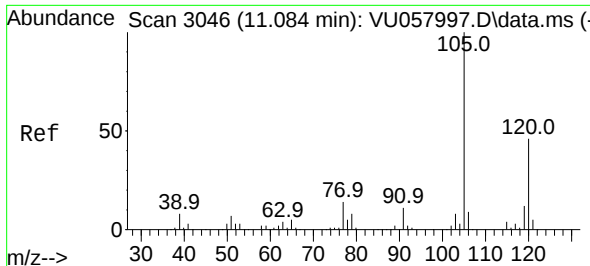
Ion Ratio Lower Upper

75 100

110 34.1 28.0 42.0

77 31.8 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 4.949 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

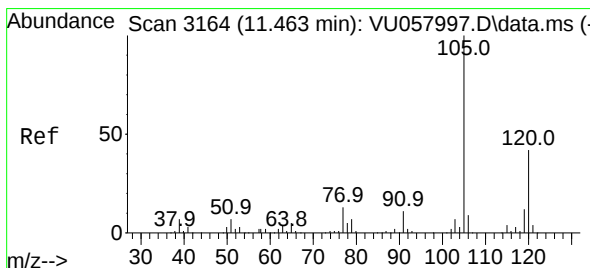
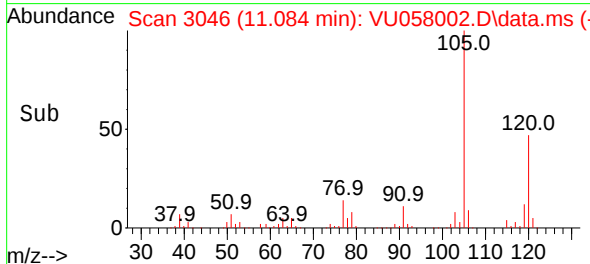
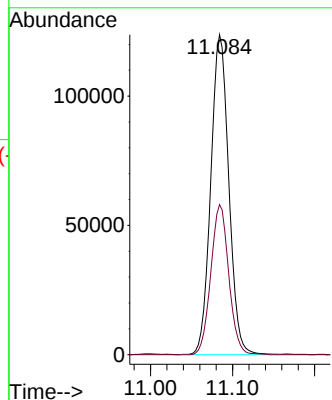
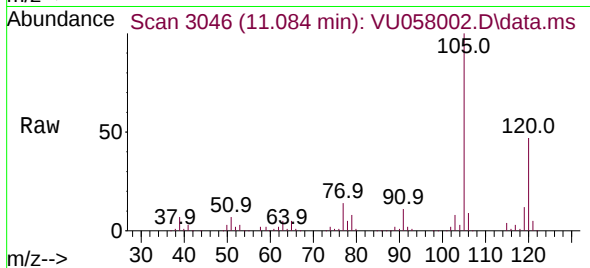
ClientSampleId :

Tgt Ion:105 Resp: 189328

Ion Ratio Lower Upper

105 100

120 46.7 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.026 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058002.D

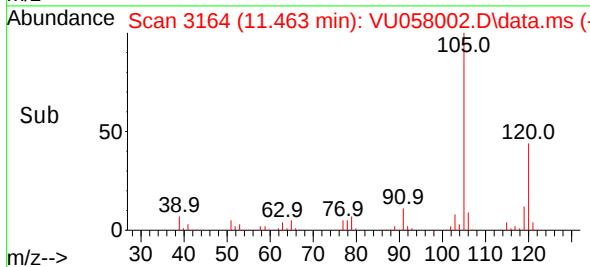
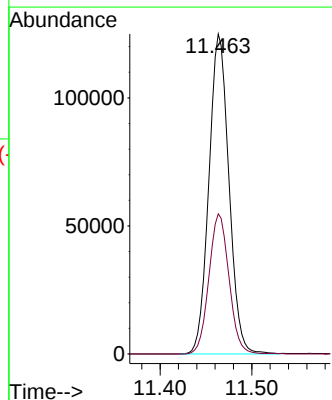
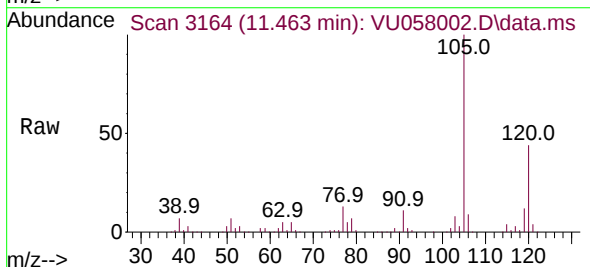
Acq: 06 Mar 2024 15:36

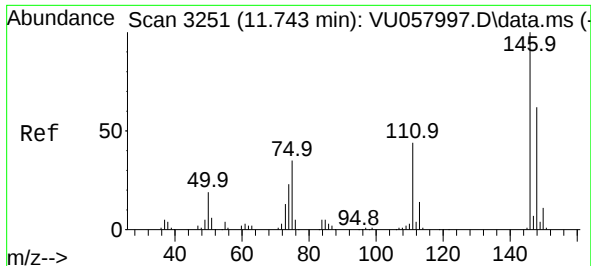
Tgt Ion:105 Resp: 189762

Ion Ratio Lower Upper

105 100

120 43.8 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 5.107 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :

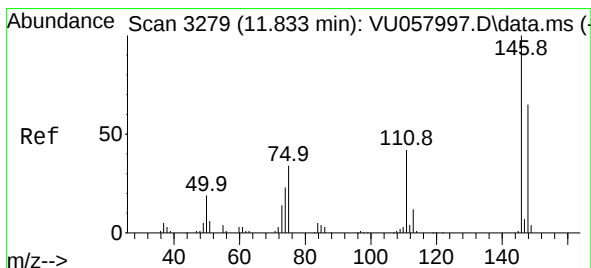
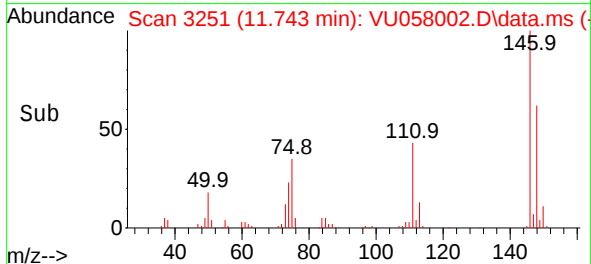
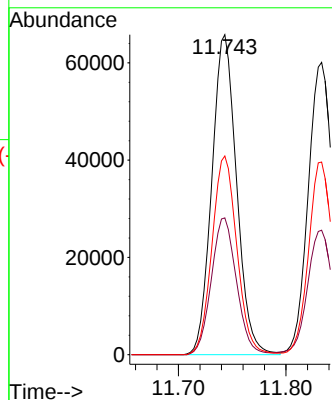
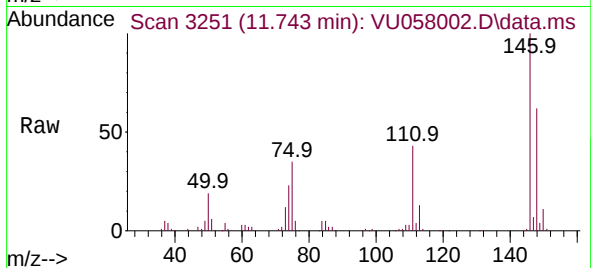
Tgt Ion:146 Resp: 105281

Ion Ratio Lower Upper

146 100

111 42.8 30.9 57.5

148 62.1 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 4.964 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

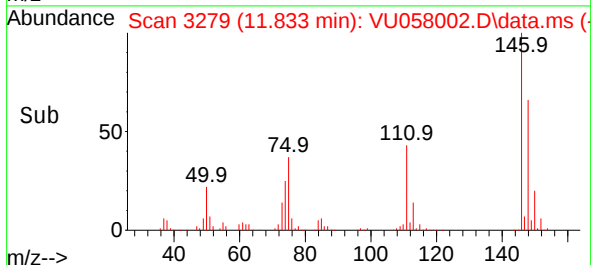
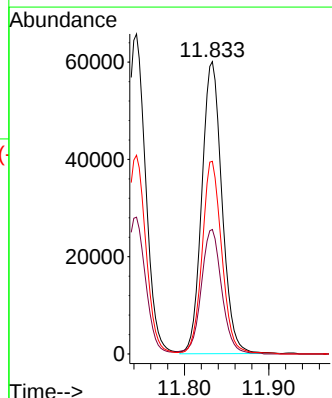
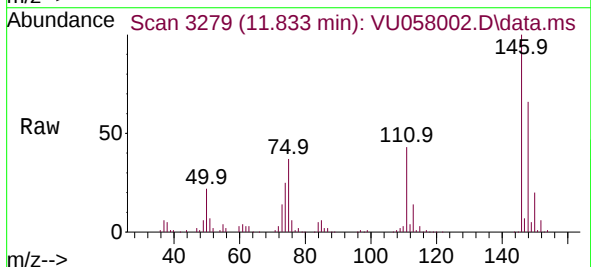
Tgt Ion:146 Resp: 100157

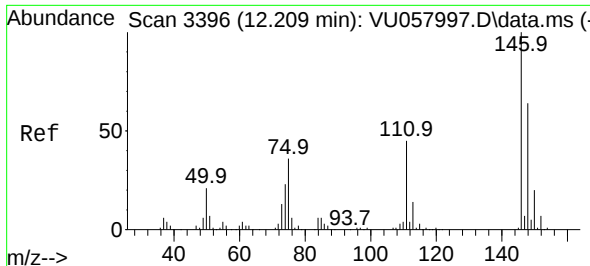
Ion Ratio Lower Upper

146 100

111 42.6 30.1 55.9

148 65.9 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.070 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :

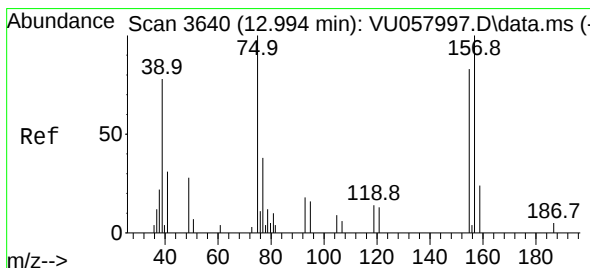
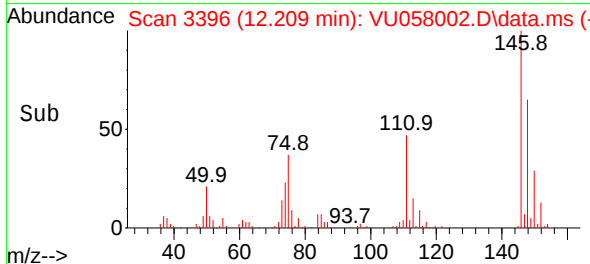
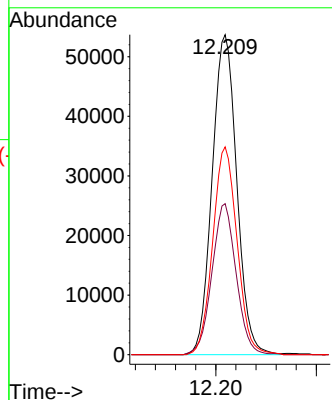
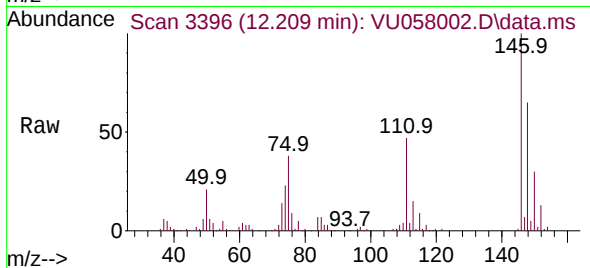
Tgt Ion:146 Resp: 91258

Ion Ratio Lower Upper

146 100

111 47.2 37.4 56.0

148 65.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.388 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

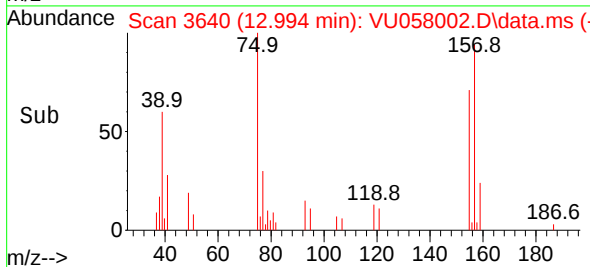
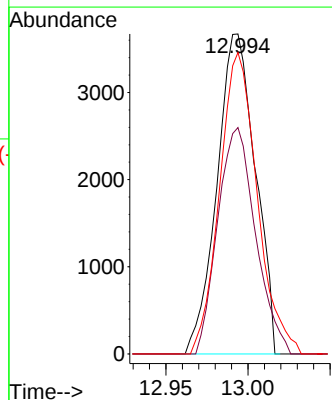
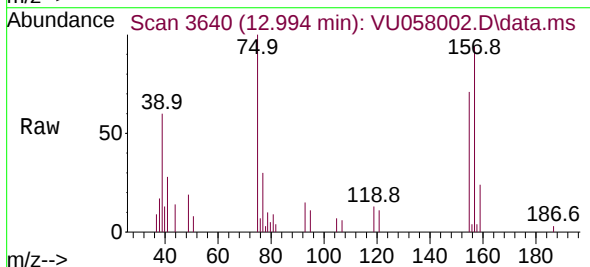
Tgt Ion: 75 Resp: 5963

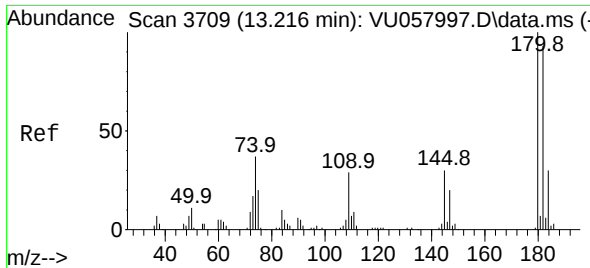
Ion Ratio Lower Upper

75 100

155 70.8 61.0 91.6

157 94.2 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 4.959 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.000 min

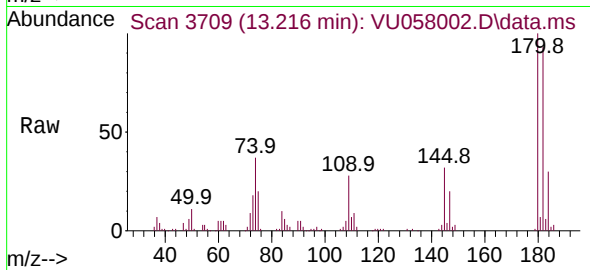
Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 73536

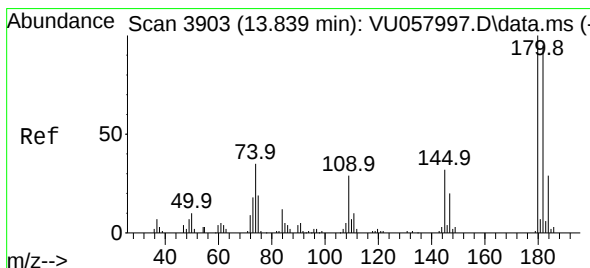
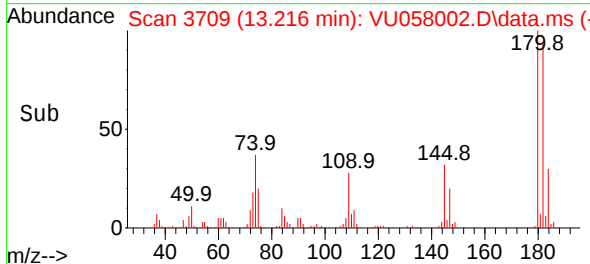
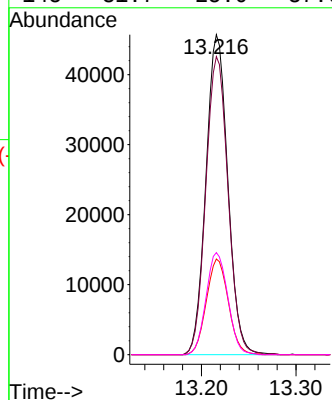
Ion Ratio Lower Upper

180 100

182 94.3 76.3 114.5

184 30.0 24.6 36.8

145 31.7 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 4.877 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.000 min

Lab File: VU058002.D

Acq: 06 Mar 2024 15:36

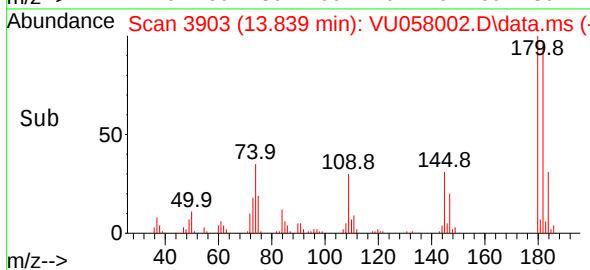
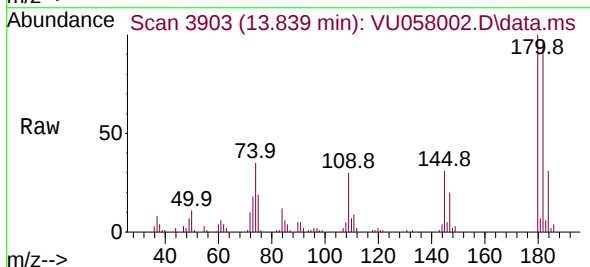
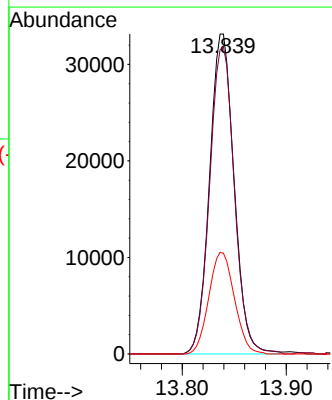
Tgt Ion:180 Resp: 54334

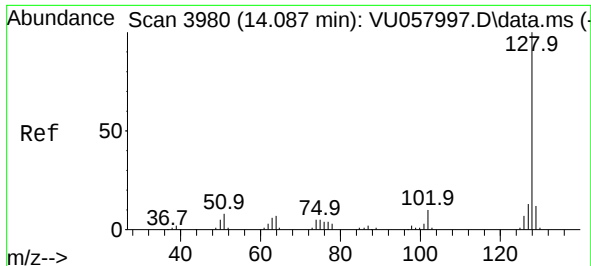
Ion Ratio Lower Upper

180 100

182 96.7 77.9 116.9

145 33.1 25.8 38.8

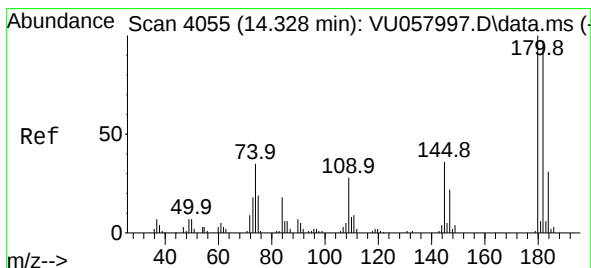
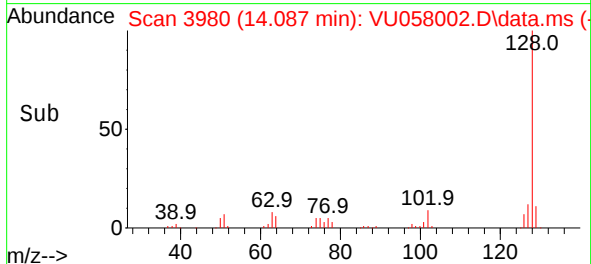
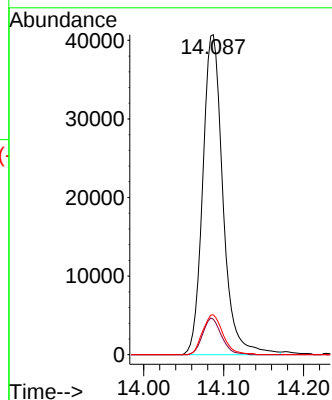
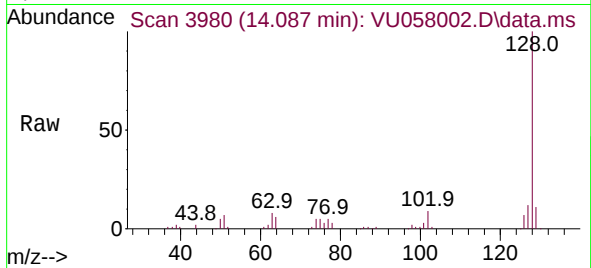




#71
Naphthalene
Concen: 4.712 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 71703
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 12.6 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.989 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.000 min
Lab File: VU058002.D
Acq: 06 Mar 2024 15:36

Tgt Ion:180 Resp: 43912
Ion Ratio Lower Upper
180 100
182 93.7 77.6 116.4
145 35.3 28.7 43.1

