

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032724\
 Data File : VU058221.D
 Acq On : 27 Mar 2024 11:24
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 28 04:43:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Mar 26 01:41:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	68533	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	66567	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	31211	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	27516	4.751	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.000%
7) Chloroethane-d5	1.911	69	25032	5.295	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.000%
11) 1,1-Dichloroethene-d2	2.560	65	11504	4.784	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	4.628	46	59461	57.791	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.580%
24) Chloroform-d	5.055	84	54711	5.284	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.600%
26) 1,2-Dichloroethane-d4	5.695	65	26200	5.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.200%
32) Benzene-d6	5.721	84	106484	4.925	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
36) 1,2-Dichloropropane-d6	6.682	67	33293	5.225	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.891	98	94473	4.932	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
43) trans-1,3-Dichloroprop...	8.174	79	10605	5.194	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.800%
46) 2-Hexanone-d5	8.627	63	42900	51.883	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.760%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	22963	5.532	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	29263	5.035	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	14558	5.157	ug/L	100
3) Chloromethane	1.515	50	16973	4.717	ug/L	95
5) Vinyl chloride	1.599	62	19639	4.998	ug/L	97
6) Bromomethane	1.853	94	10854	5.151	ug/L	93
8) Chloroethane	1.930	64	13764	5.312	ug/L	100
9) Trichlorofluoromethane	2.136	101	33237	5.205	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	20789	5.073	ug/L	98
12) 1,1-Dichloroethene	2.573	96	17207	5.008	ug/L	96
13) Acetone	2.644	43	34641	52.022	ug/L	97
14) Carbon disulfide	2.788	76	34019	4.432	ug/L	99
15) Methyl Acetate	2.952	43	7291	5.275	ug/L	99
16) Methylene chloride	3.036	84	22320	4.584	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	46471	5.040	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	17741	4.941	ug/L	98
19) 1,1-Dichloroethane	3.859	63	42795	5.305	ug/L	99
21) 2-Butanone	4.711	43	50557	49.974	ug/L	98
22) cis-1,2-Dichloroethene	4.657	96	22029	4.965	ug/L	96
23) Bromochloromethane	4.968	128	8673	5.238	ug/L	95
25) Chloroform	5.081	83	44470	5.256	ug/L	96

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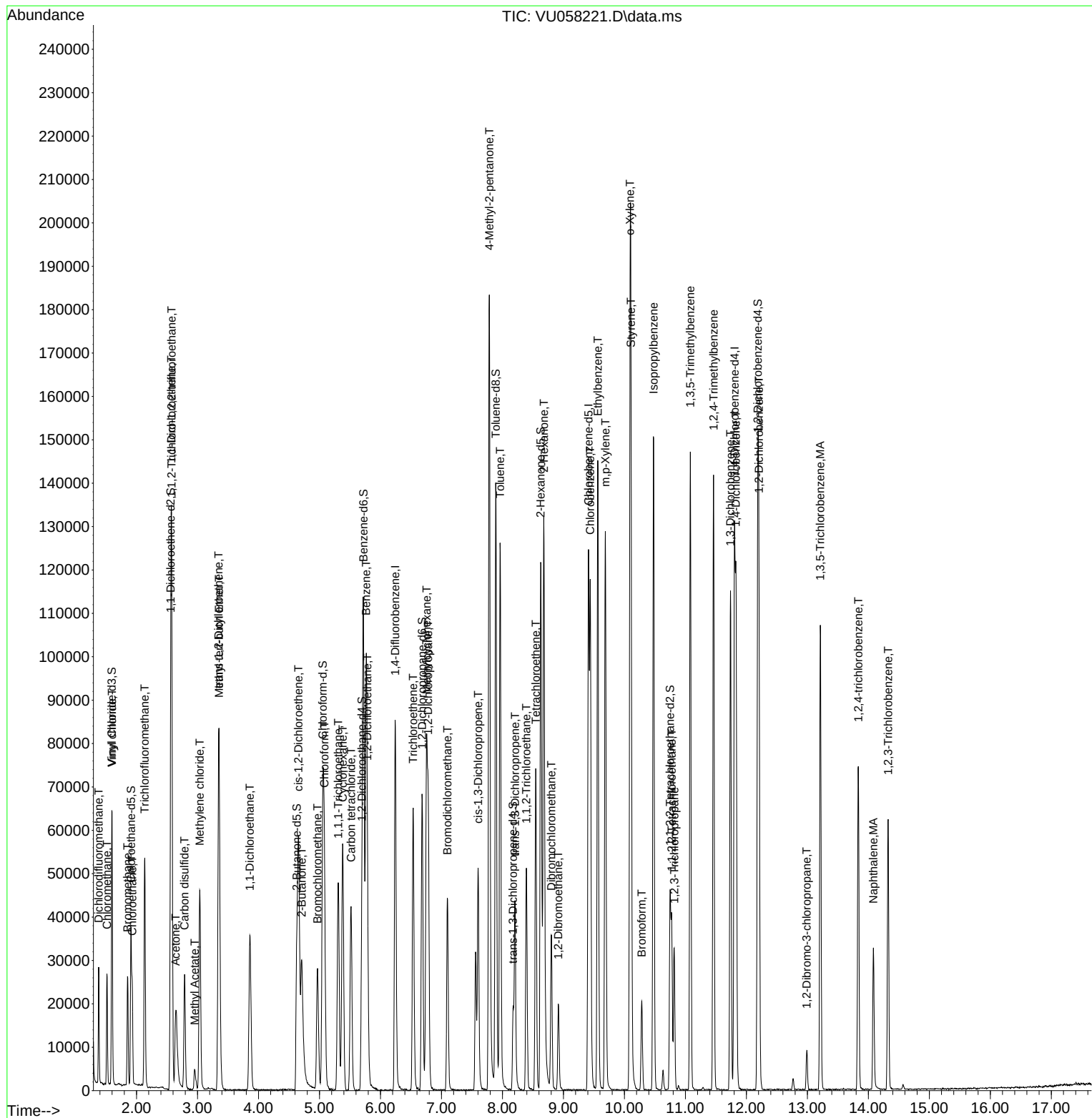
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	24876	5.179	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	34971	5.081	ug/L	98
30) Cyclohexane	5.383	56	27151	4.516	ug/L	99
31) Carbon tetrachloride	5.518	117	29093	4.966	ug/L	98
33) Benzene	5.766	78	87469	5.003	ug/L	100
34) Trichloroethene	6.537	95	22187	4.871	ug/L	96
35) Methylcyclohexane	6.756	83	29198	4.596	ug/L	99
37) 1,2-Dichloropropane	6.782	63	25323	5.185	ug/L	99
38) Bromodichloromethane	7.100	83	28684	5.124	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	31727	5.122	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	123839	50.146	ug/L	99
42) Toluene	7.962	91	92440	5.004	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	25743	5.281	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	15664	5.092	ug/L	97
47) Tetrachloroethene	8.547	164	15518	5.086	ug/L	97
48) 2-Hexanone	8.679	43	89557	49.796	ug/L	95
49) Dibromochloromethane	8.801	129	17958	5.335	ug/L	96
50) 1,2-Dibromoethane	8.917	107	13904	5.250	ug/L	92
51) Chlorobenzene	9.441	112	59518	5.001	ug/L	99
52) Ethylbenzene	9.563	91	102410	4.965	ug/L	99
53) m,p-Xylene	9.688	106	36122	4.915	ug/L	100
54) o-Xylene	10.094	106	37825	5.098	ug/L	98
55) Styrene	10.110	104	60479	5.163	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.775	83	19274	5.315	ug/L	97
59) Bromoform	10.283	173	9049	5.521	ug/L #	95
60) Isopropylbenzene	10.479	105	95339	5.085	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	13824	5.289	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	79426	5.047	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	77883	4.983	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	45307	5.188	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	44492	5.272	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	42004	5.201	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	2489	6.315	ug/L	87
69) 1,3,5-Trichlorobenzene	13.212	180	31800	5.208	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	23068	5.065	ug/L	98
71) Naphthalene	14.084	128	27890	4.497	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	18575	4.981	ug/L	98

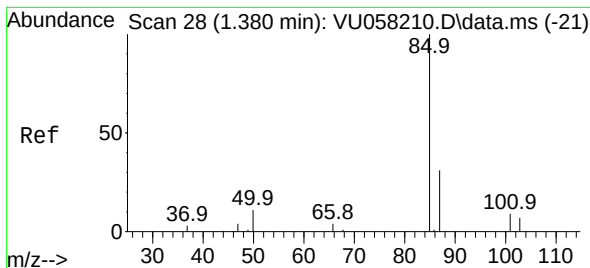
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

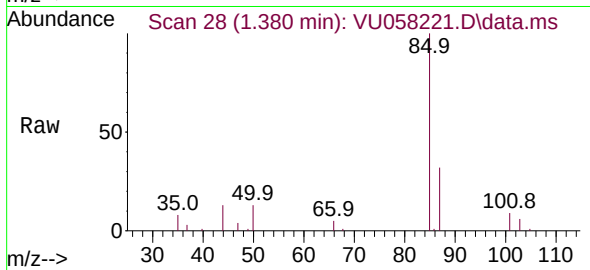
Quant Time: Mar 28 04:43:49 2024
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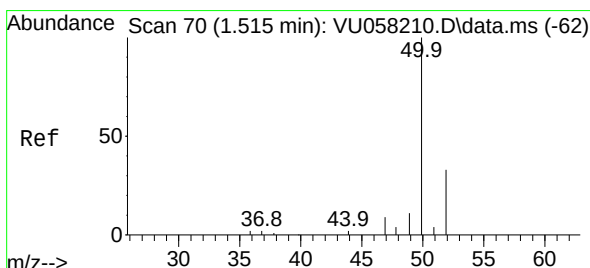
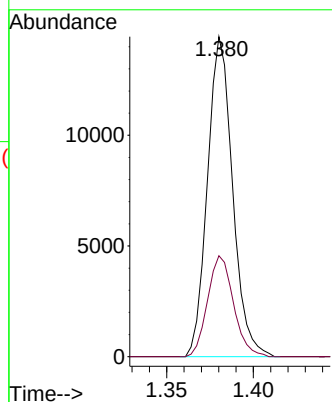
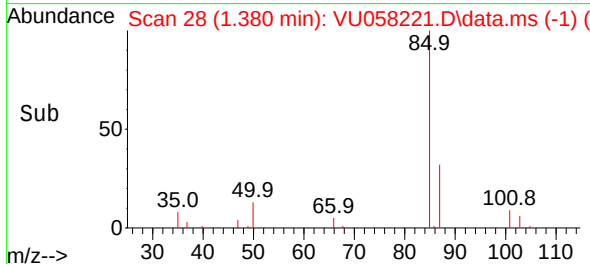


#2
 Dichlorodifluoromethane
 Concen: 5.157 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU058221.D
 Acq: 27 Mar 2024 11:24

Instrument :
 MSVOA_U
 ClientSampleId :

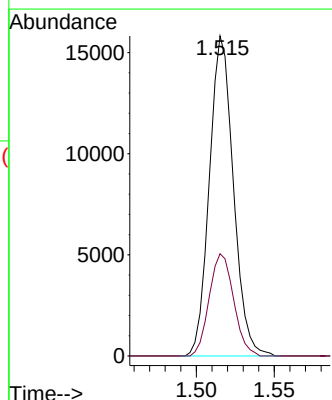
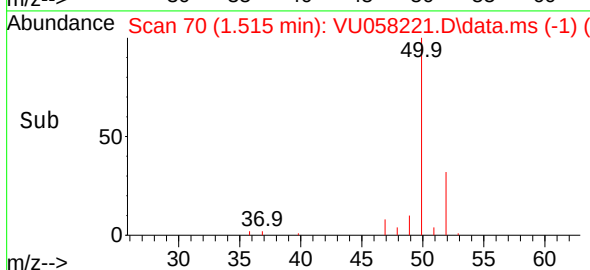
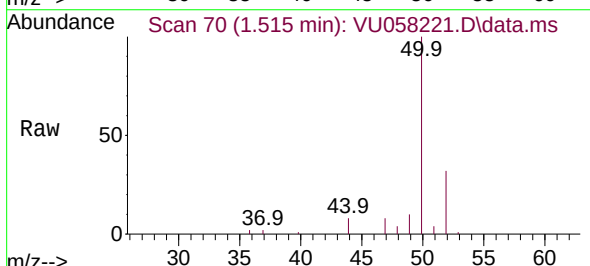


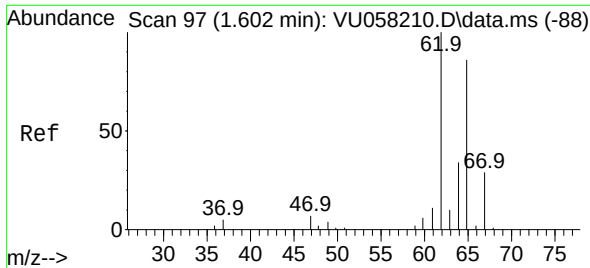
Tgt Ion: 85 Resp: 14558
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.8



#3
 Chloromethane
 Concen: 4.717 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU058221.D
 Acq: 27 Mar 2024 11:24

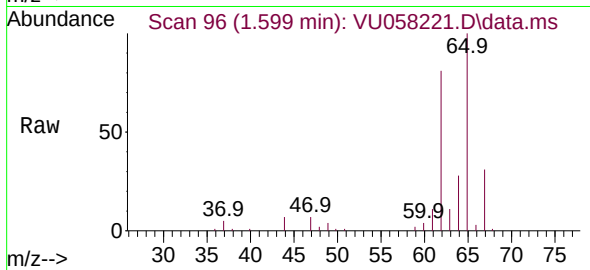
Tgt Ion: 50 Resp: 16973
 Ion Ratio Lower Upper
 50 100
 52 32.0 24.2 45.0



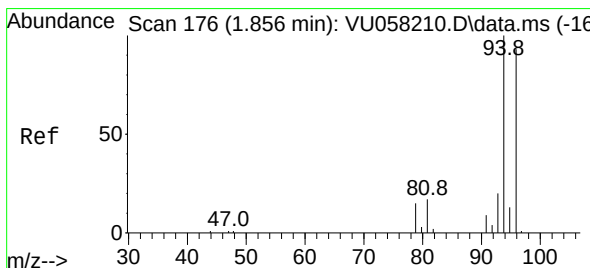
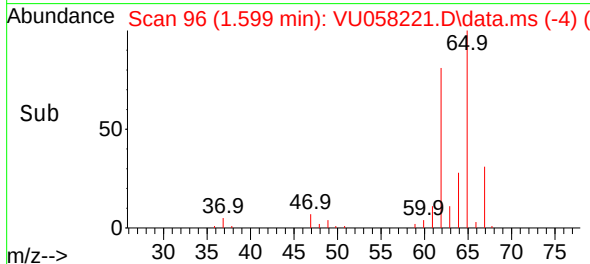
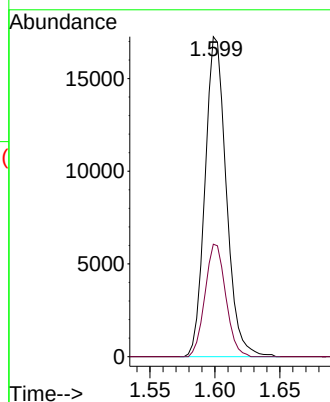


#5
 Vinyl chloride
 Concen: 4.998 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU058221.D
 Acq: 27 Mar 2024 11:24

Instrument :
 MSVOA_U
 ClientSampleId :

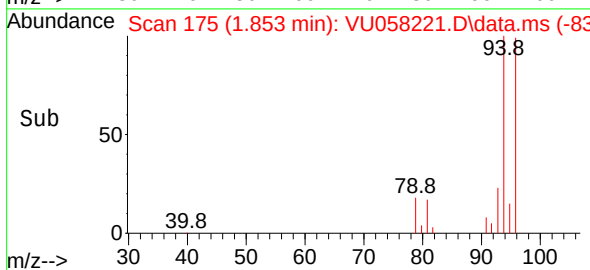
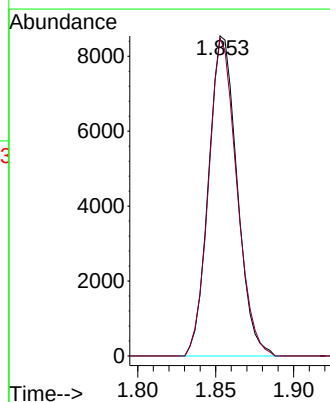
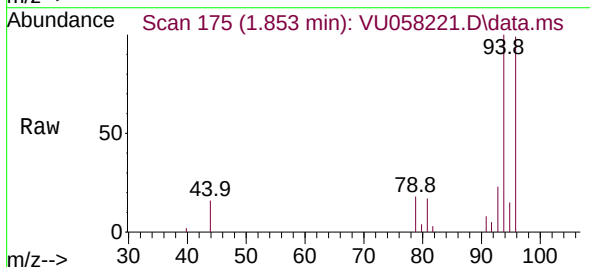


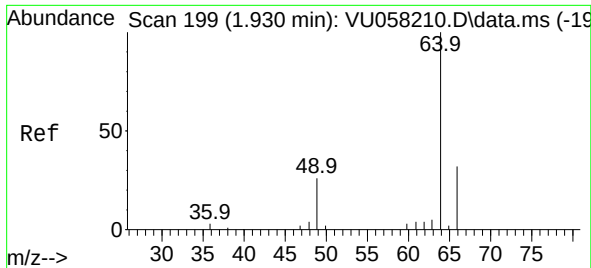
Tgt Ion: 62 Resp: 19639
 Ion Ratio Lower Upper
 62 100
 64 35.2 23.4 43.6



#6
 Bromomethane
 Concen: 5.151 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU058221.D
 Acq: 27 Mar 2024 11:24

Tgt Ion: 94 Resp: 10854
 Ion Ratio Lower Upper
 94 100
 96 99.2 64.8 120.4

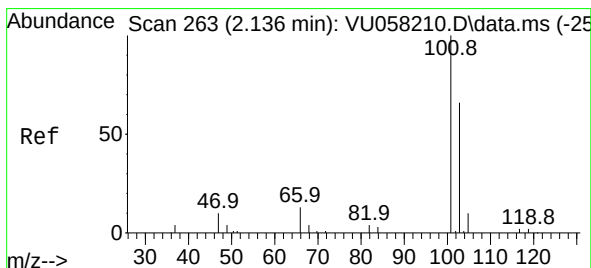
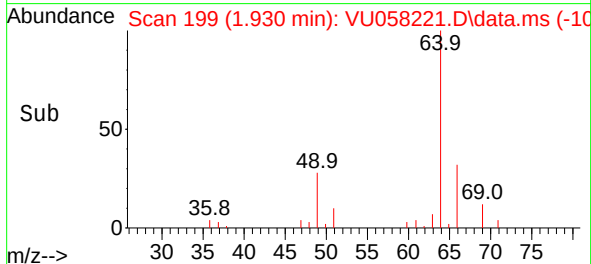
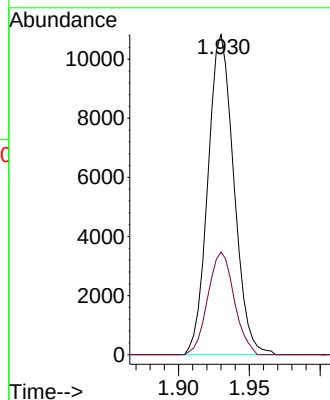
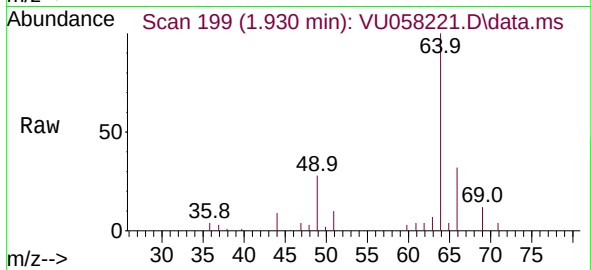




#8
Chloroethane
Concen: 5.312 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

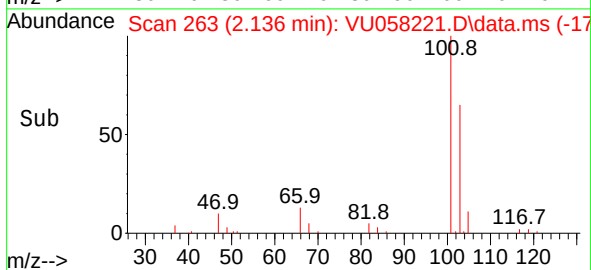
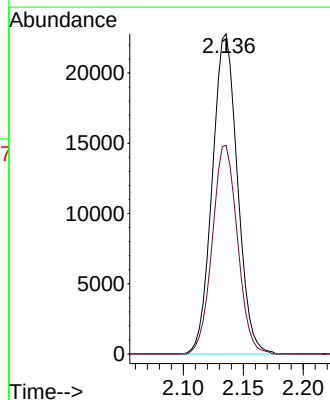
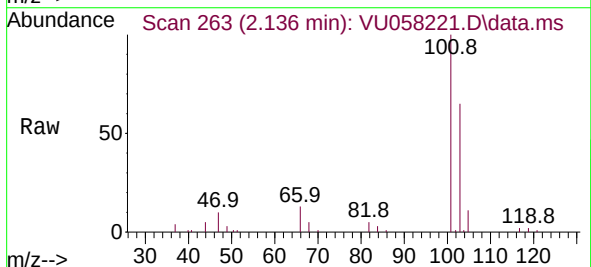
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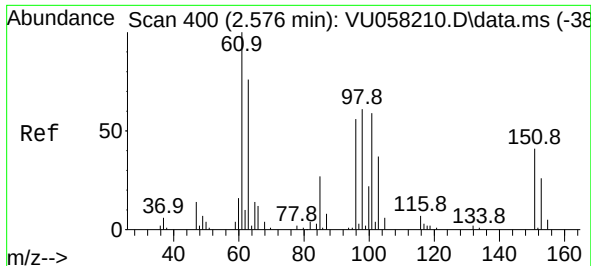
Tgt Ion: 64 Resp: 13764
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.205 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion:101 Resp: 33237
Ion Ratio Lower Upper
101 100
103 65.2 52.3 78.5

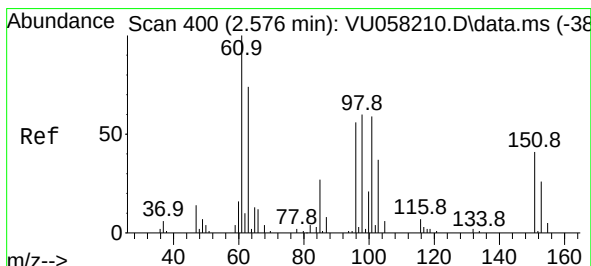
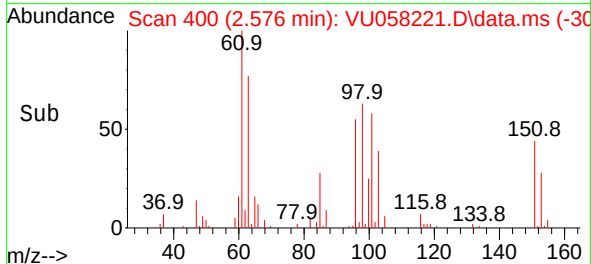
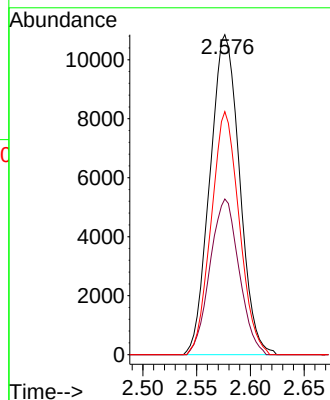
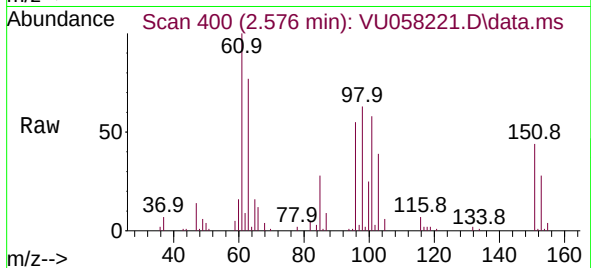




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.073 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

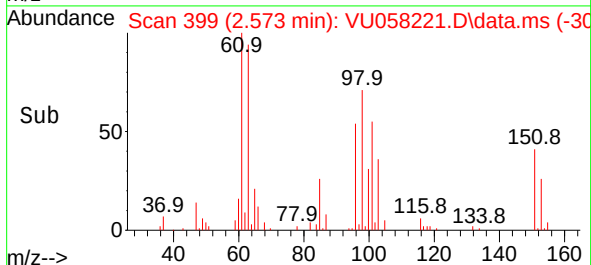
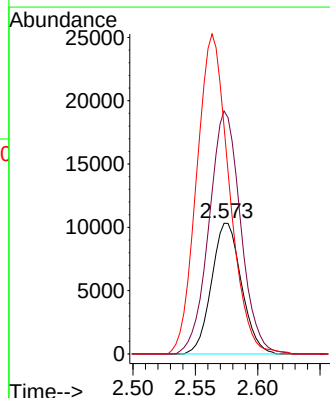
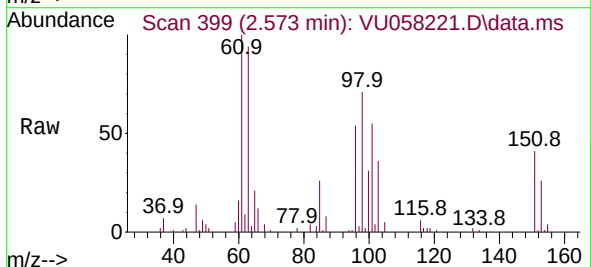
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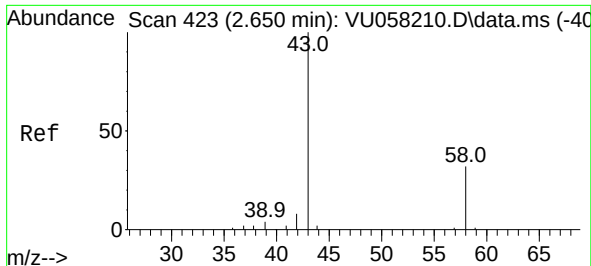
Tgt Ion:101 Resp: 20789
Ion Ratio Lower Upper
101 100
85 47.6 37.9 56.9
151 72.0 55.3 82.9



#12
1,1-Dichloroethene
Concen: 5.008 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion: 96 Resp: 17207
Ion Ratio Lower Upper
96 100
61 185.9 128.1 237.9
63 173.9 116.8 217.0





#13

Acetone

Concen: 52.022 ug/L

RT: 2.644 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

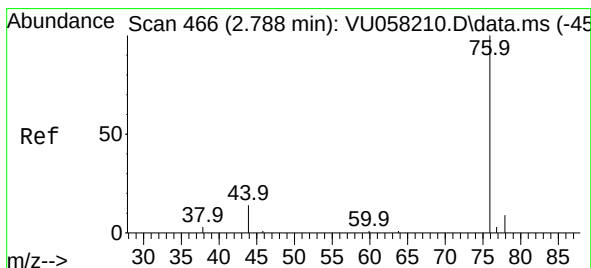
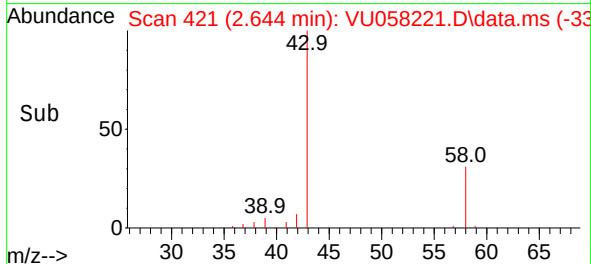
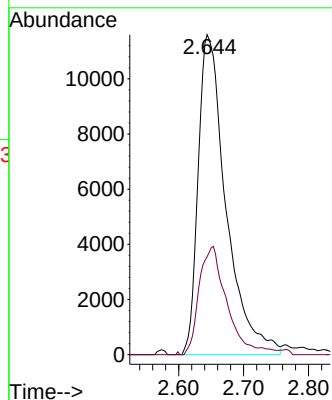
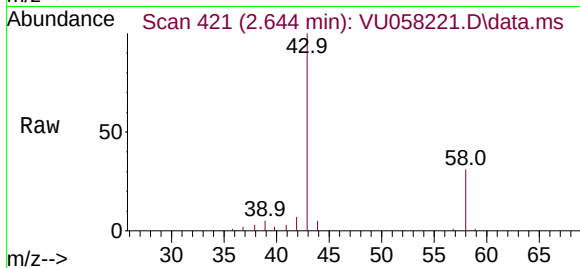
ClientSampleId :

Tgt Ion: 43 Resp: 34641

Ion Ratio Lower Upper

43 100

58 33.8 0.0 64.6



#14

Carbon disulfide

Concen: 4.432 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU058221.D

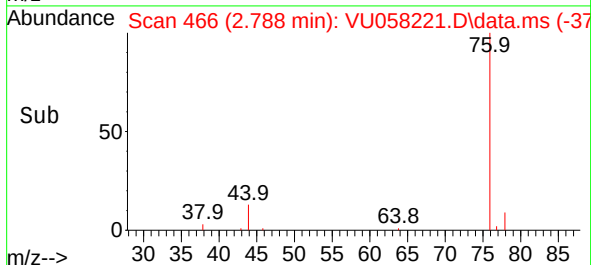
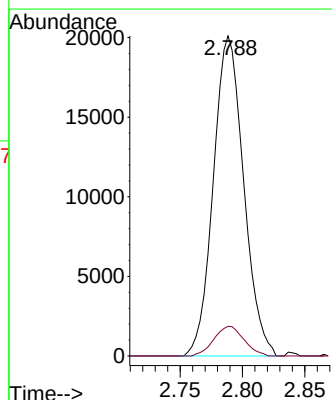
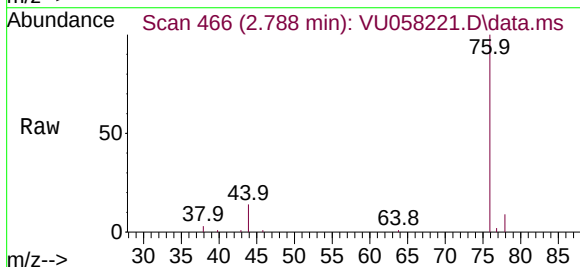
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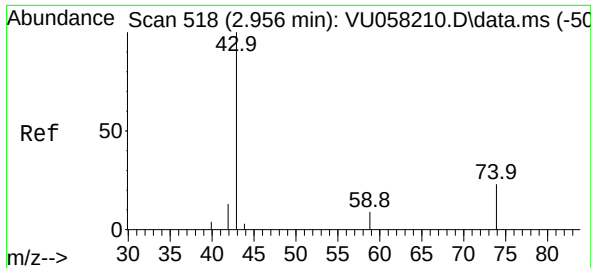
Tgt Ion: 76 Resp: 34019

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8





#15

Methyl Acetate

Concen: 5.275 ug/L

RT: 2.952 min Scan# 518

Delta R.T. -0.003 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

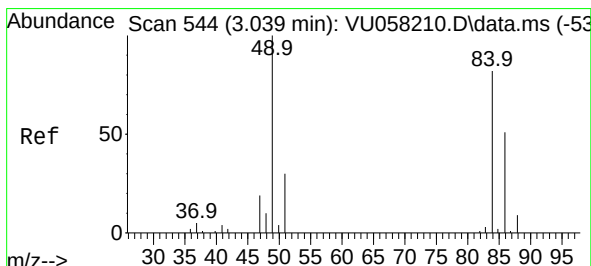
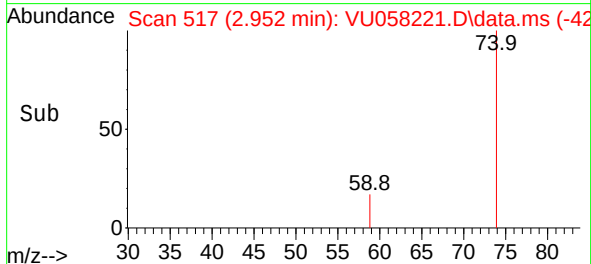
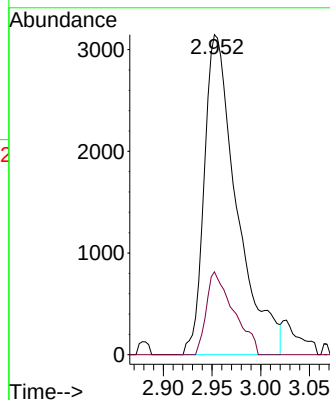
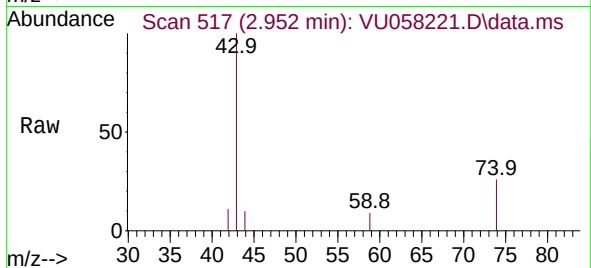
ClientSampleId :

Tgt Ion: 43 Resp: 7291

Ion Ratio Lower Upper

43 100

74 21.6 16.8 25.2



#16

Methylene chloride

Concen: 4.584 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

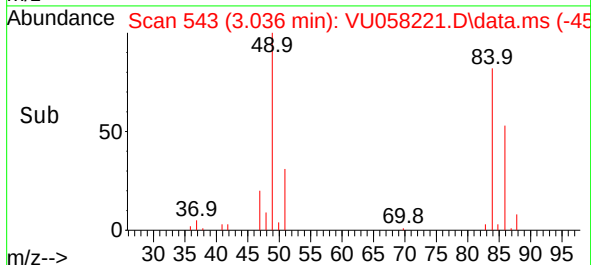
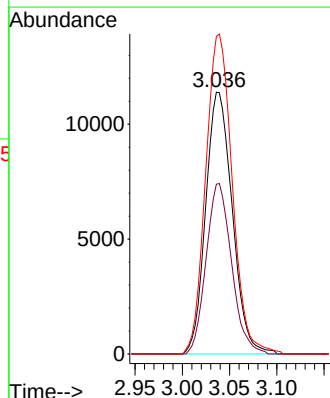
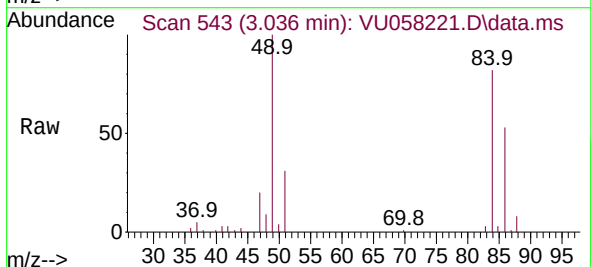
Tgt Ion: 84 Resp: 22320

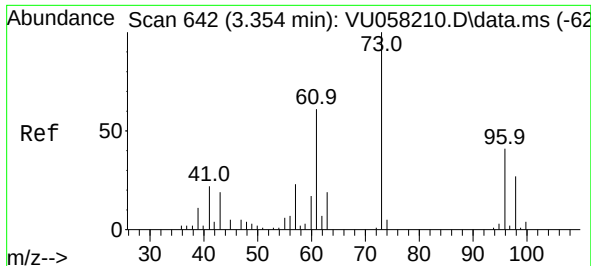
Ion Ratio Lower Upper

84 100

86 64.8 45.6 84.6

49 121.3 88.3 163.9

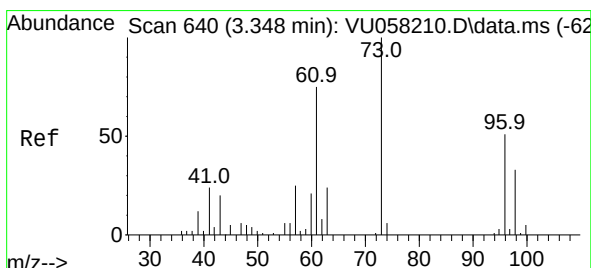
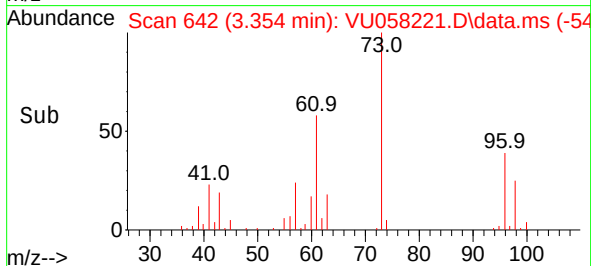
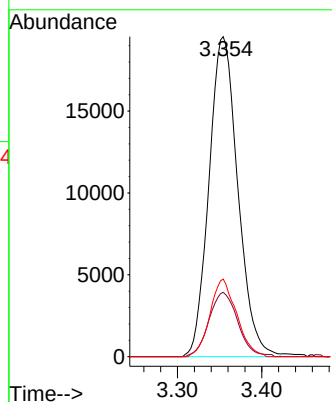
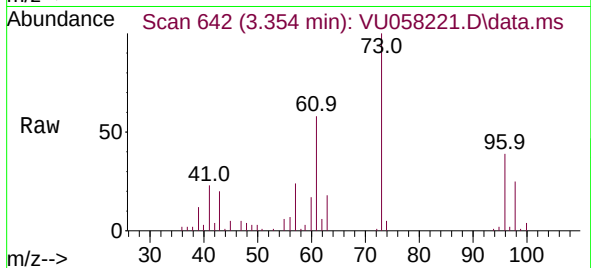




#17
Methyl tert-butyl Ether
Concen: 5.040 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

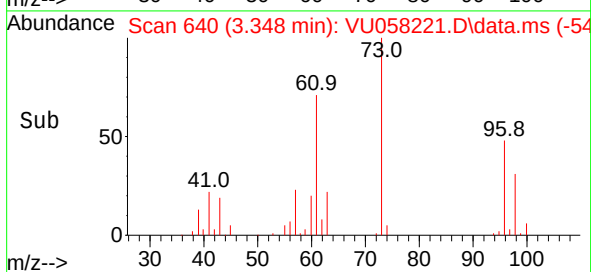
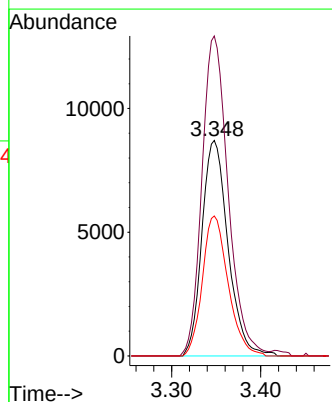
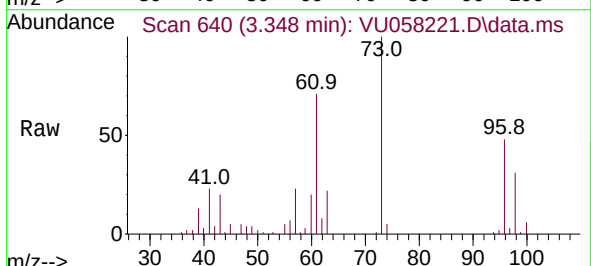
Instrument :
MSVOA_U
ClientSampleId :

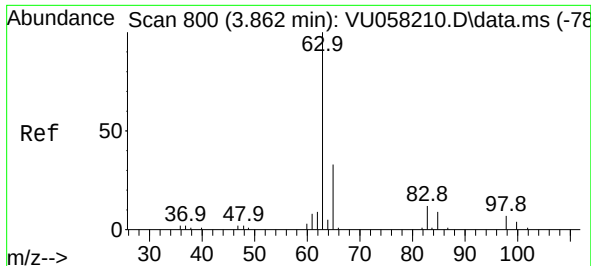
Tgt Ion: 73 Resp: 46471
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 22.4 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 4.941 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

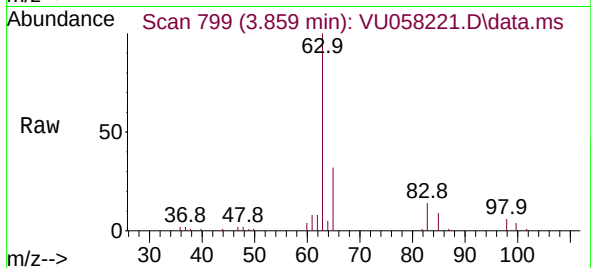
Tgt Ion: 96 Resp: 17741
Ion Ratio Lower Upper
96 100
61 148.5 102.5 190.3
98 65.0 44.0 81.8



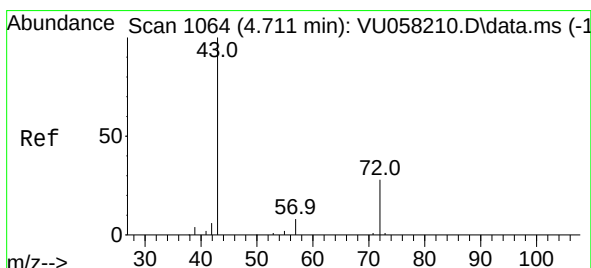
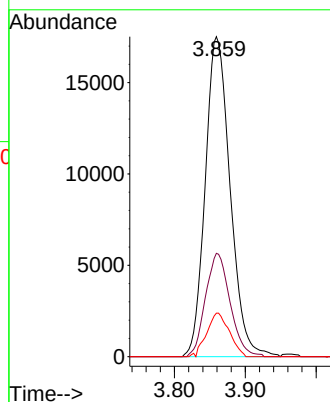
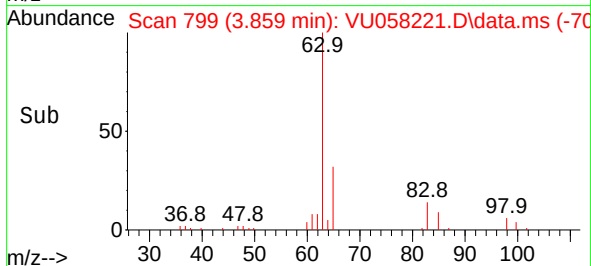


#19
1,1-Dichloroethane
Concen: 5.305 ug/L
RT: 3.859 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Instrument :
MSVOA_U
ClientSampleId :

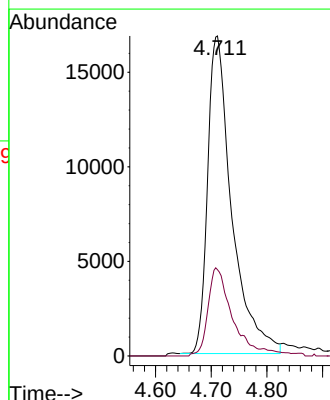
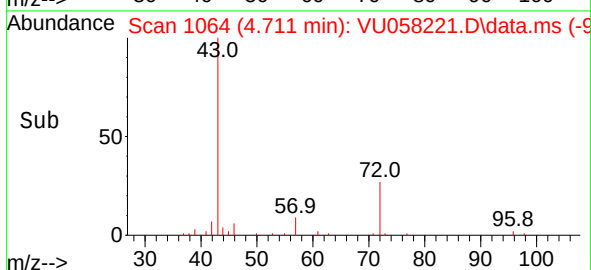
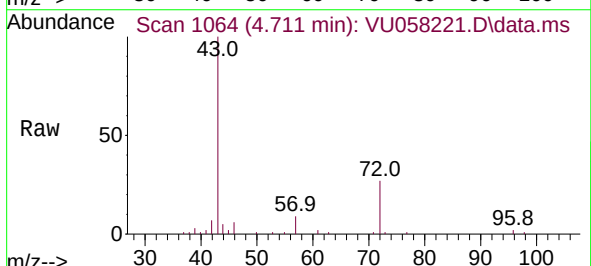


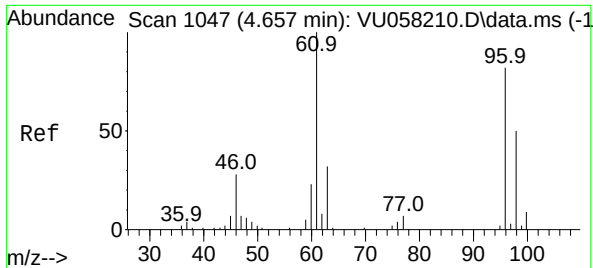
Tgt Ion: 63 Resp: 42795
Ion Ratio Lower Upper
63 100
65 32.3 22.3 41.5
83 13.6 10.0 18.6



#21
2-Butanone
Concen: 49.974 ug/L
RT: 4.711 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion: 43 Resp: 50557
Ion Ratio Lower Upper
43 100
72 26.9 14.0 41.9

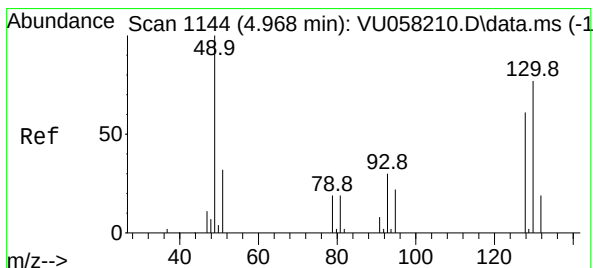
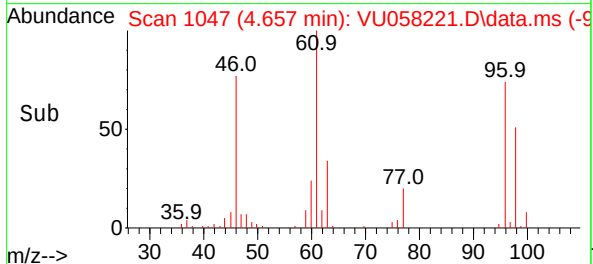
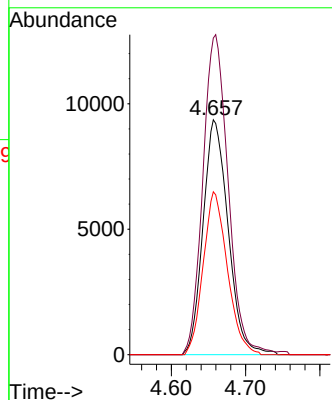
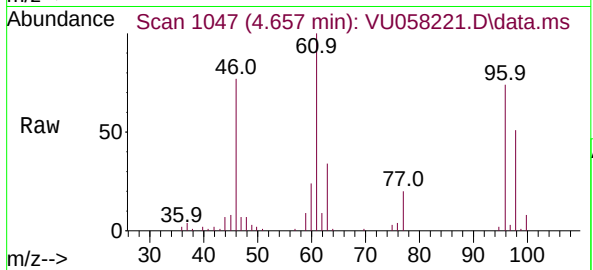




#22
cis-1,2-Dichloroethene
Concen: 4.965 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

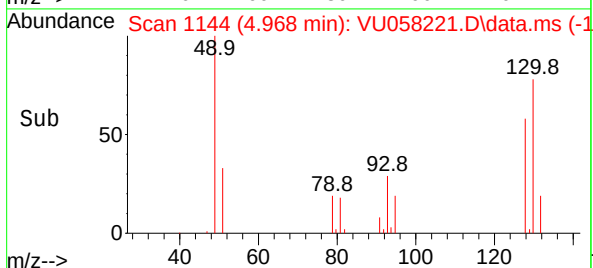
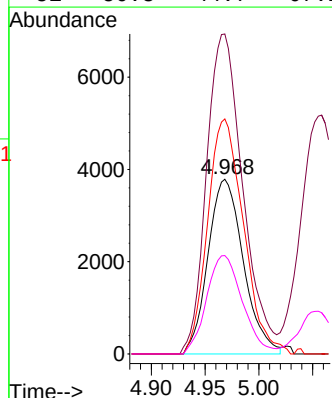
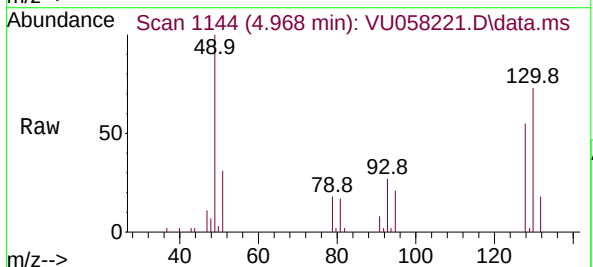
Instrument :
MSVOA_U
ClientSampleId :

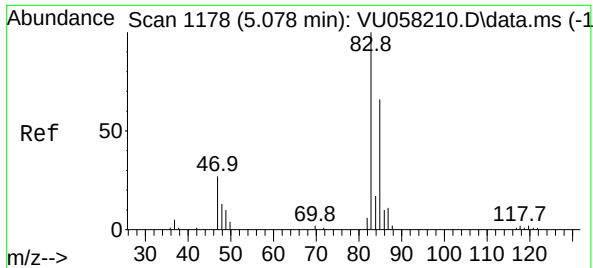
Tgt Ion:	96	Resp:	22029
Ion	Ratio	Lower	Upper
96	100		
61	134.8	92.8	172.4
98	69.3	43.2	80.2



#23
Bromochloromethane
Concen: 5.238 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion:	128	Resp:	8673
Ion	Ratio	Lower	Upper
128	100		
49	189.2	125.0	232.2
130	134.5	92.3	171.5
51	56.3	44.7	67.1





#25

Chloroform

Concen: 5.256 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

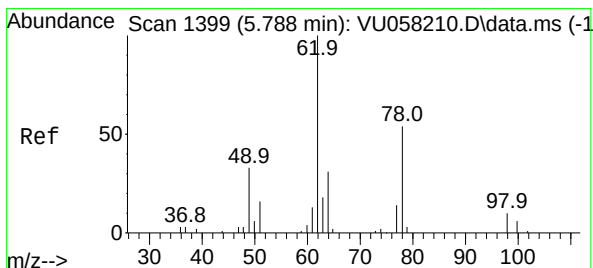
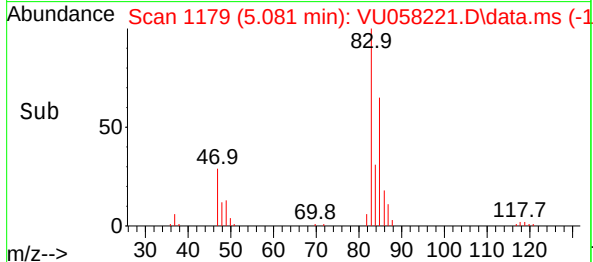
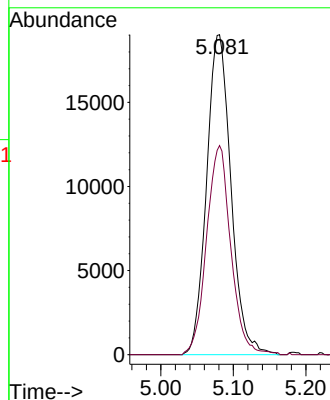
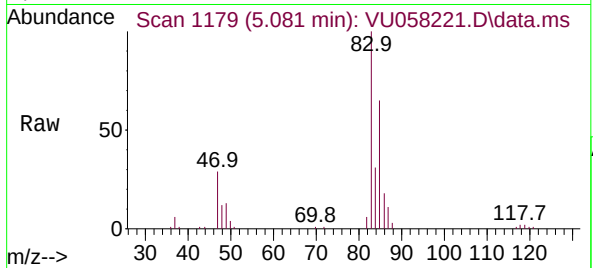
ClientSampleId :

Tgt Ion: 83 Resp: 44470

Ion Ratio Lower Upper

83 100

85 65.3 47.9 88.9



#27

1,2-Dichloroethane

Concen: 5.179 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU058221.D

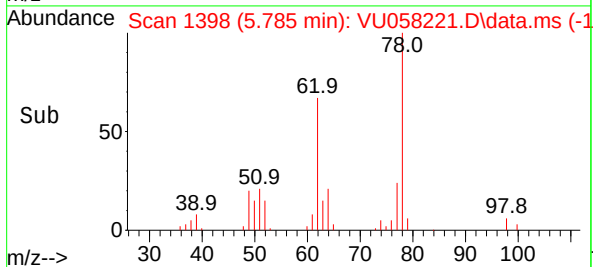
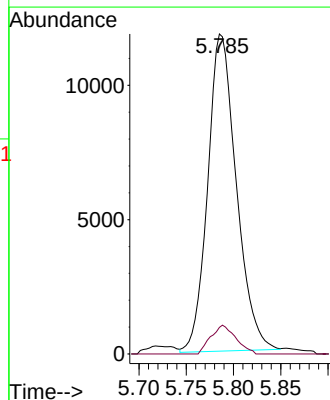
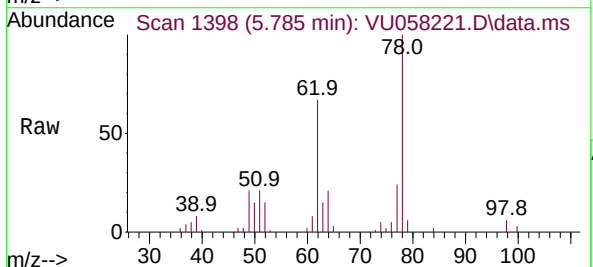
Acq: 27 Mar 2024 11:24

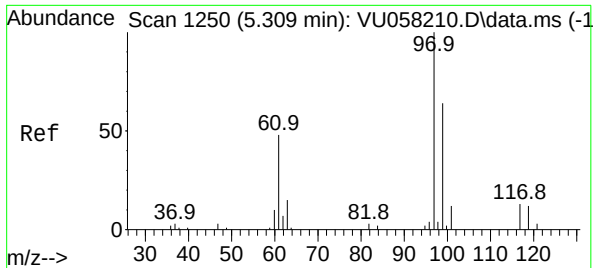
Tgt Ion: 62 Resp: 24876

Ion Ratio Lower Upper

62 100

98 8.3 6.6 10.0

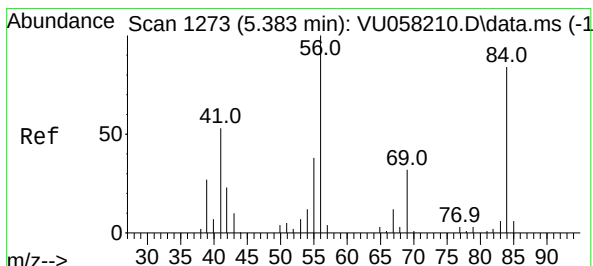
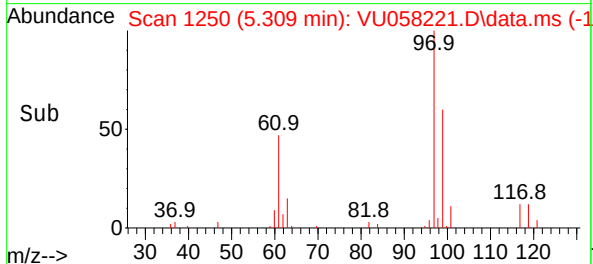
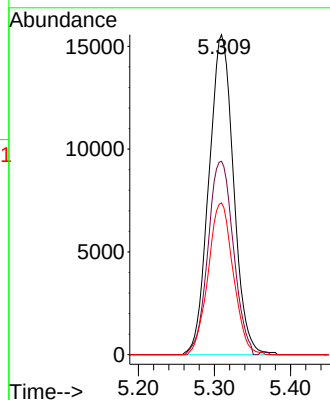
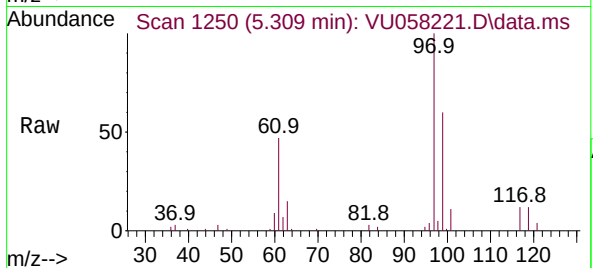




#29
1,1,1-Trichloroethane
Concen: 5.081 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

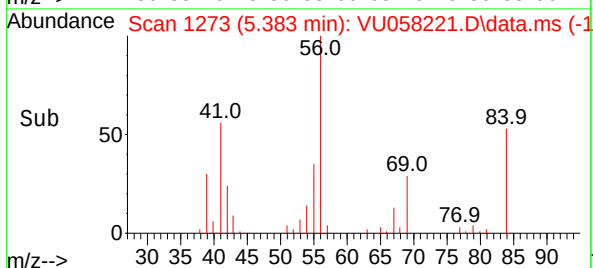
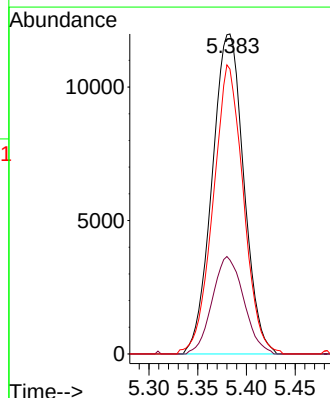
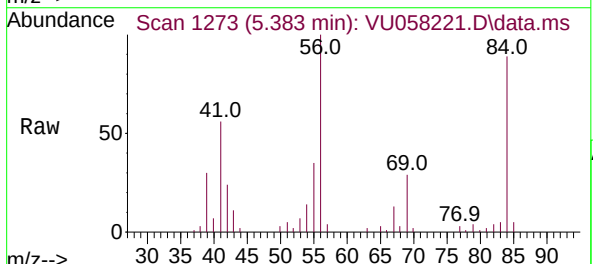
Instrument :
MSVOA_U
ClientSampleId :

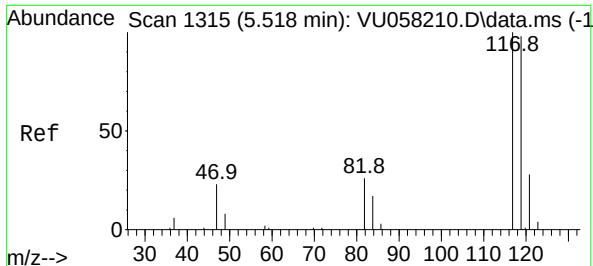
Tgt Ion:	97	Resp:	34971
Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.5	75.7
61	48.3	36.3	54.5



#30
Cyclohexane
Concen: 4.516 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

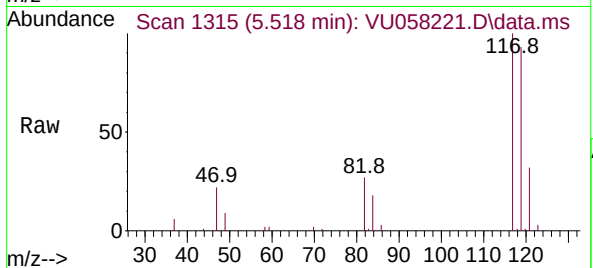
Tgt Ion:	56	Resp:	27151
Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.2	36.2
84	86.0	69.7	104.5



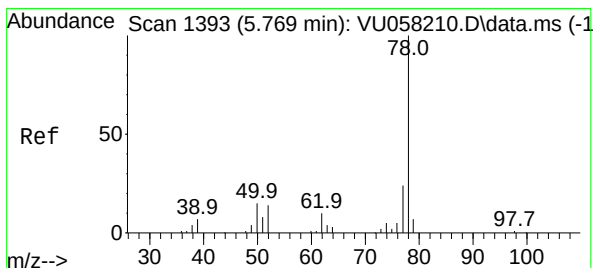
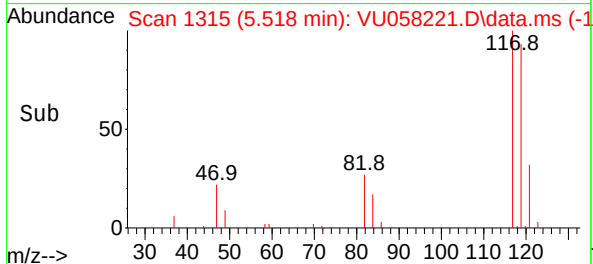
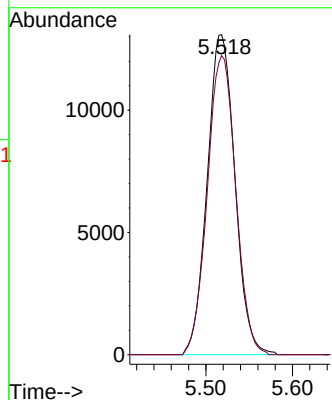


#31
Carbon tetrachloride
Concen: 4.966 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Instrument :
MSVOA_U
ClientSampleId :

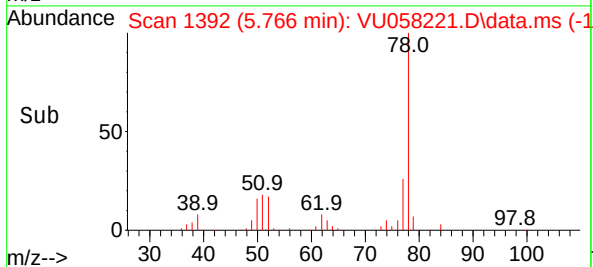
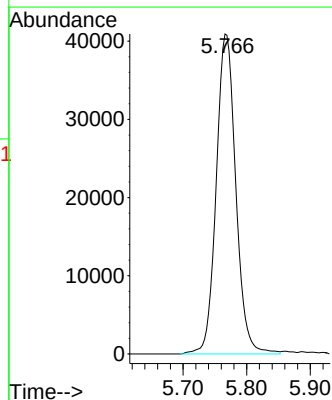
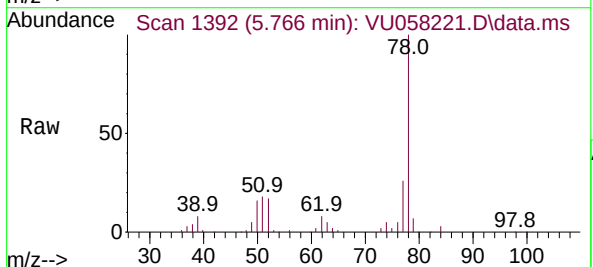


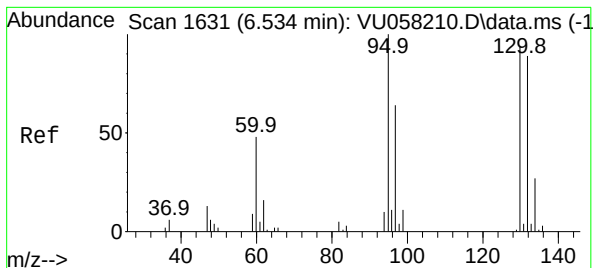
Tgt Ion:117 Resp: 29093
Ion Ratio Lower Upper
117 100
119 95.7 78.1 117.1



#33
Benzene
Concen: 5.003 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion: 78 Resp: 87469





#34

Trichloroethene

Concen: 4.871 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 22187

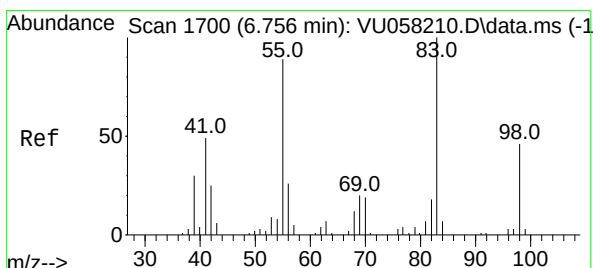
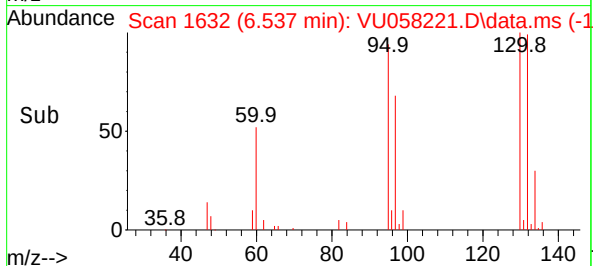
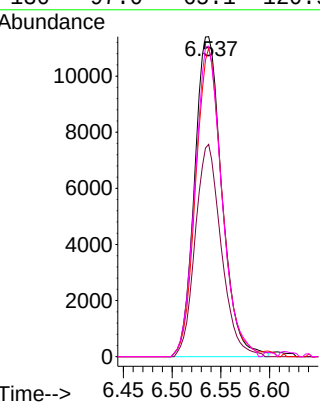
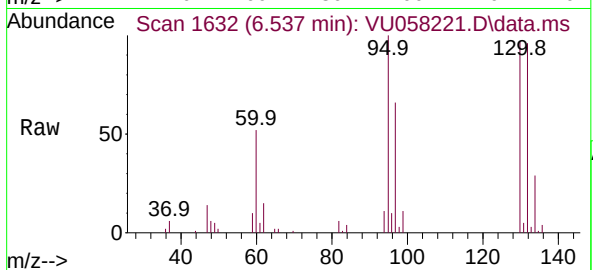
Ion Ratio Lower Upper

95 100

97 66.3 47.7 88.7

132 96.4 63.6 118.2

130 97.0 65.1 120.9



#35

Methylcyclohexane

Concen: 4.596 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

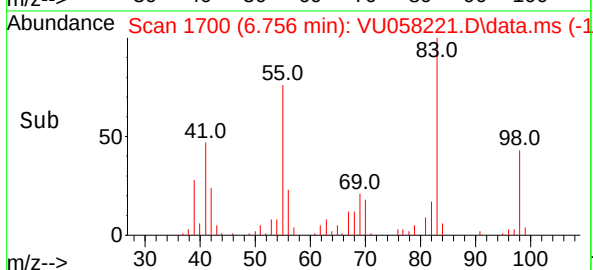
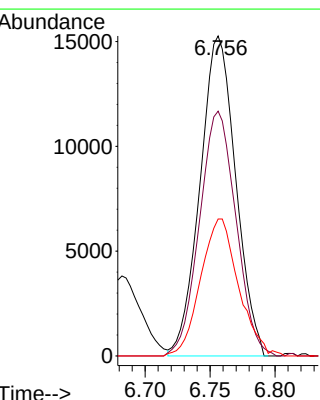
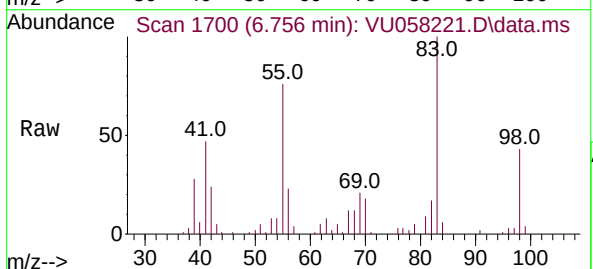
Tgt Ion: 83 Resp: 29198

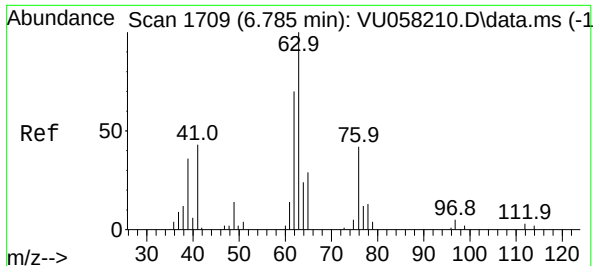
Ion Ratio Lower Upper

83 100

55 78.1 62.7 94.1

98 45.5 37.3 55.9

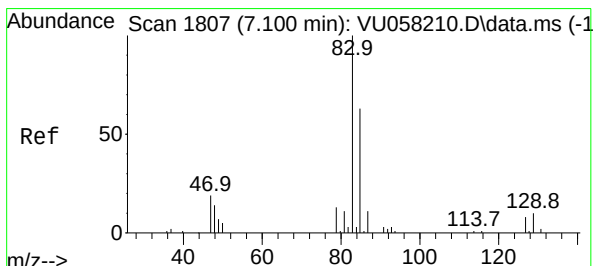
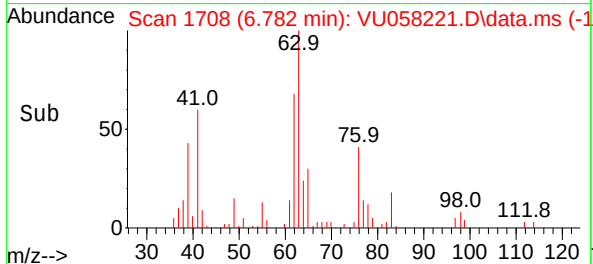
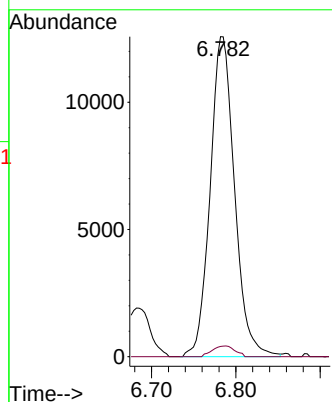
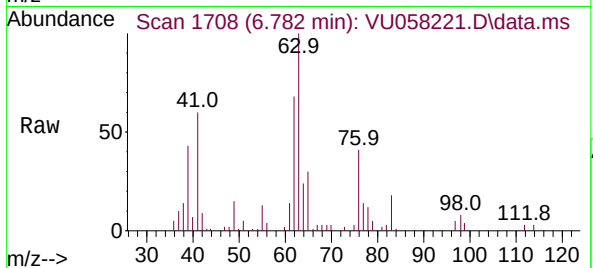




#37
1,2-Dichloropropane
Concen: 5.185 ug/L
RT: 6.782 min Scan# 1709
Delta R.T. -0.003 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

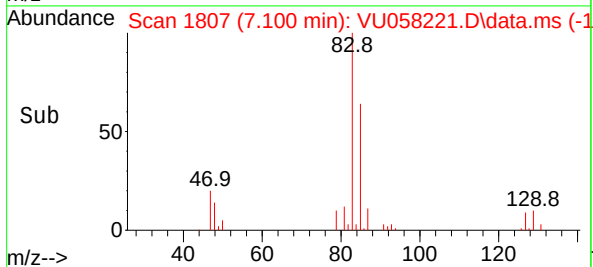
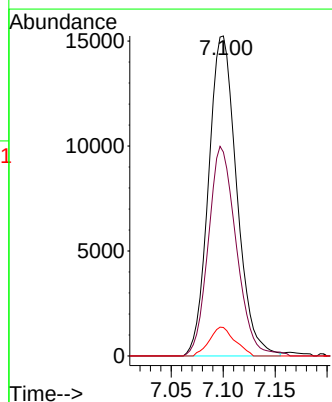
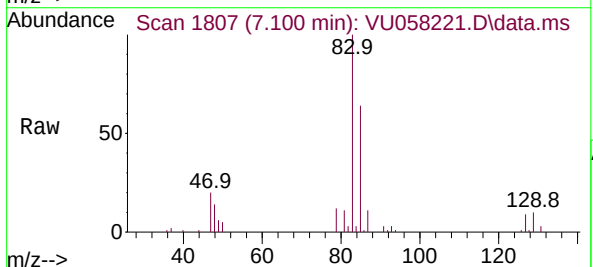
Instrument :
MSVOA_U
ClientSampleId :

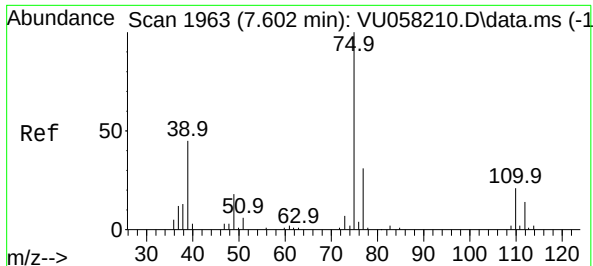
Tgt Ion: 63 Resp: 25323
Ion Ratio Lower Upper
63 100
112 3.1 2.7 4.1



#38
Bromodichloromethane
Concen: 5.124 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion: 83 Resp: 28684
Ion Ratio Lower Upper
83 100
85 63.7 45.6 84.8
127 8.9 7.1 10.7

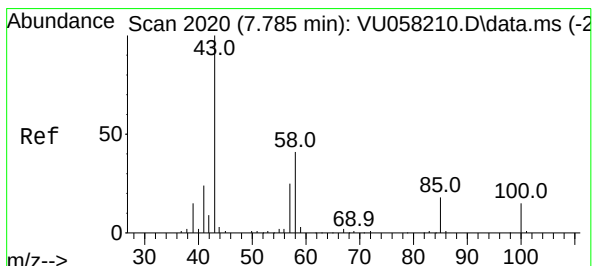
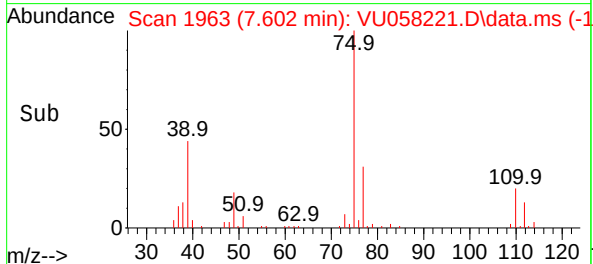
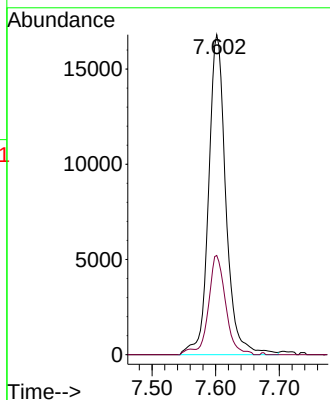
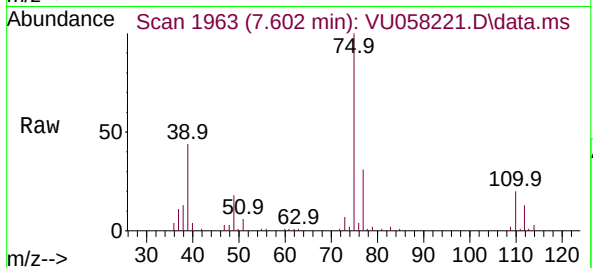




#39
 cis-1,3-Dichloropropene
 Concen: 5.122 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU058221.D
 Acq: 27 Mar 2024 11:24

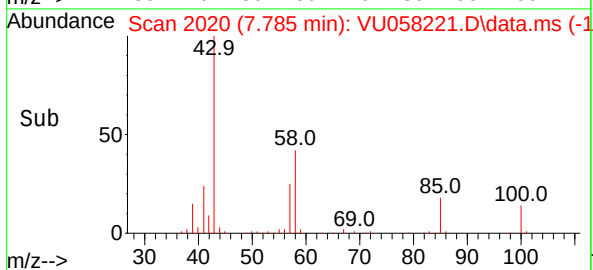
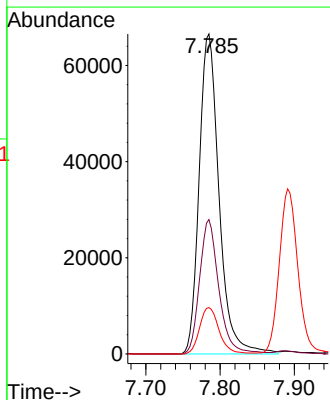
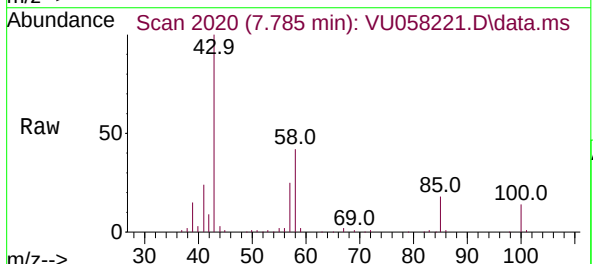
Instrument :
 MSVOA_U
 ClientSampleId :

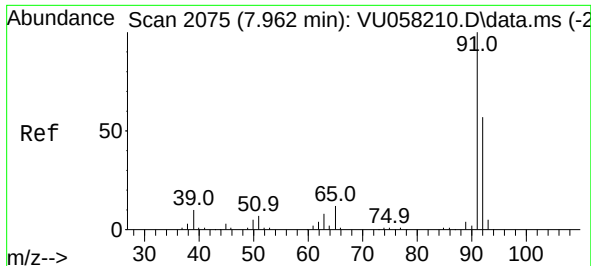
Tgt Ion: 75 Resp: 31727
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 50.146 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: VU058221.D
 Acq: 27 Mar 2024 11:24

Tgt Ion: 43 Resp: 123839
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.2 49.8
 100 14.2 11.5 17.3





#42

Toluene

Concen: 5.004 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

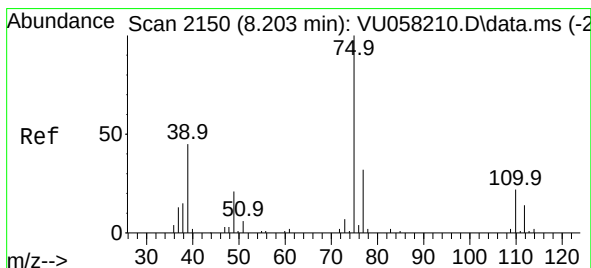
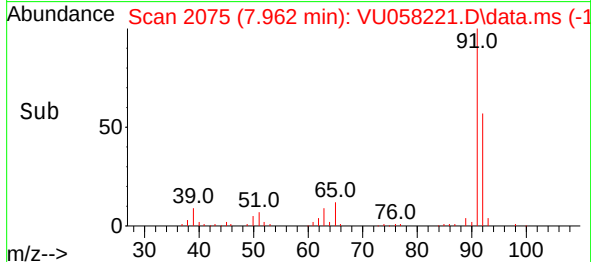
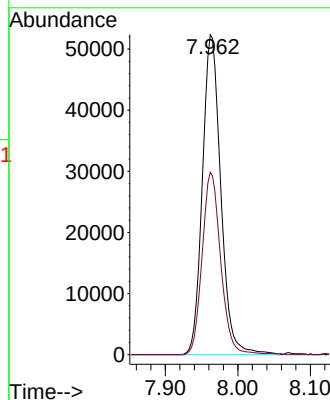
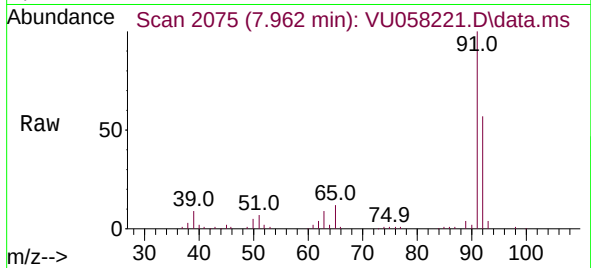
ClientSampleId :

Tgt Ion: 91 Resp: 92440

Ion Ratio Lower Upper

91 100

92 57.0 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.281 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU058221.D

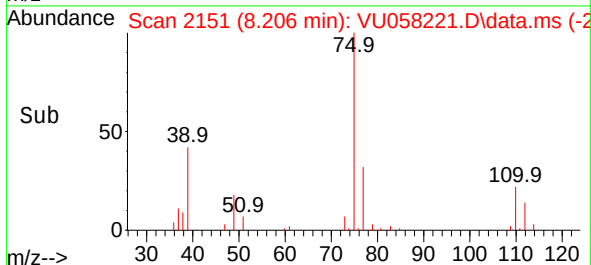
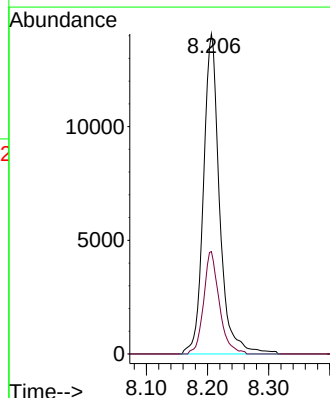
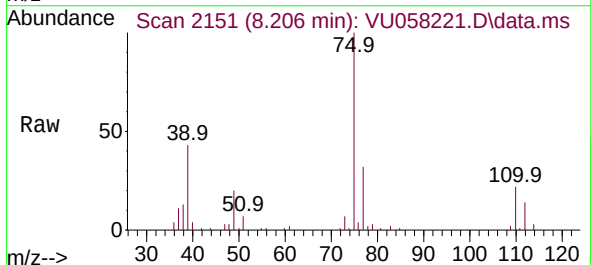
Acq: 27 Mar 2024 11:24

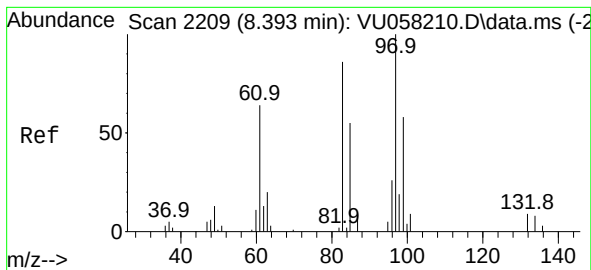
Tgt Ion: 75 Resp: 25743

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 5.092 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 15664

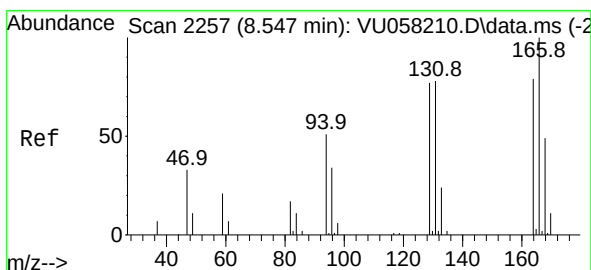
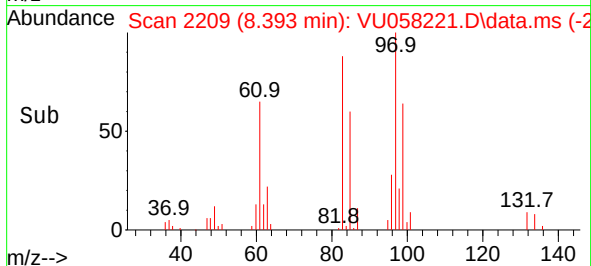
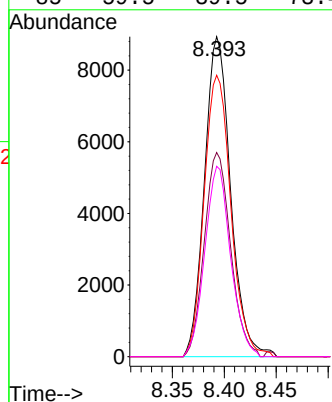
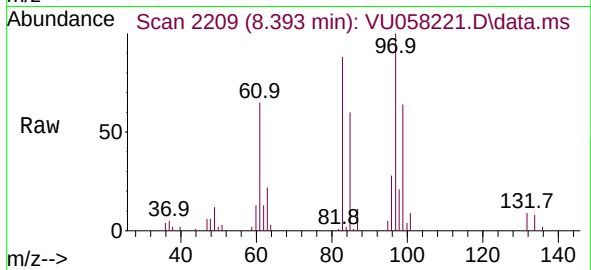
Ion Ratio Lower Upper

97 100

99 63.8 44.5 82.7

83 87.9 64.1 119.1

85 59.5 39.5 73.4



#47

Tetrachloroethene

Concen: 5.086 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Tgt Ion:164 Resp: 15518

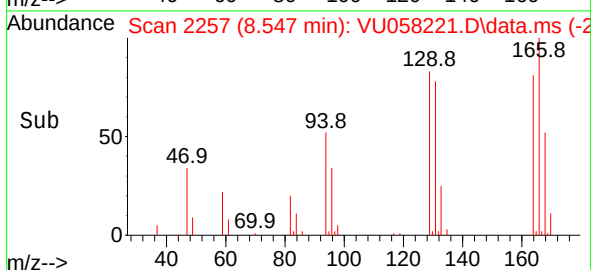
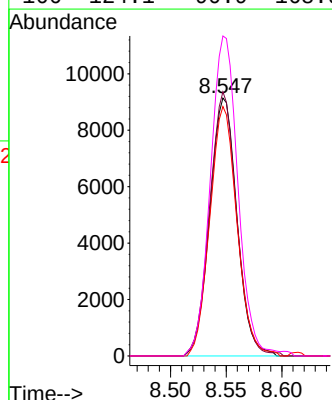
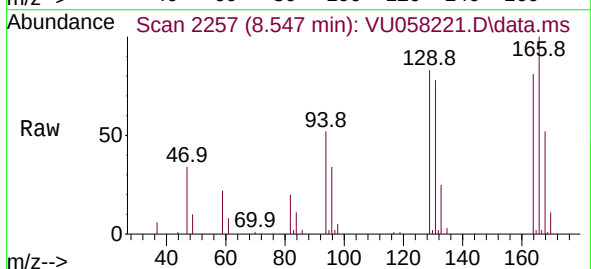
Ion Ratio Lower Upper

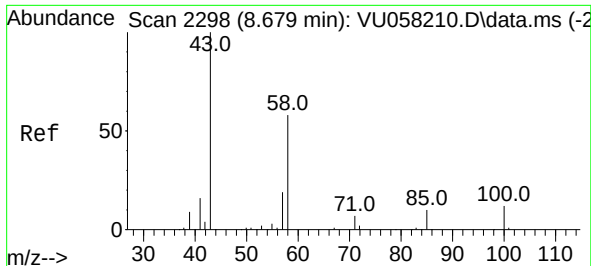
164 100

129 102.4 71.3 132.3

131 96.7 70.8 131.4

166 124.1 90.9 168.9

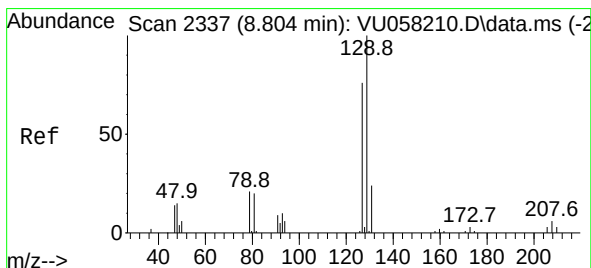
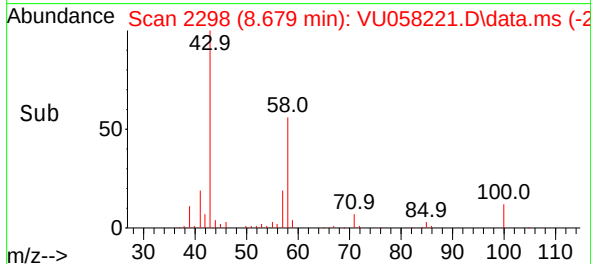
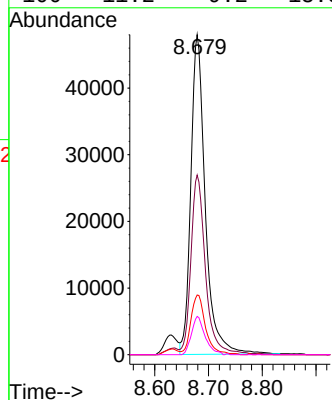
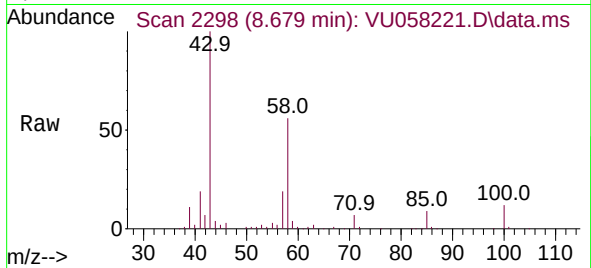




#48
2-Hexanone
Concen: 49.796 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

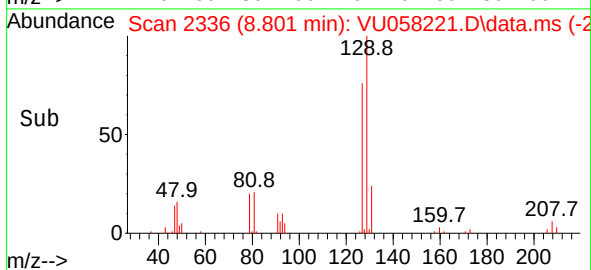
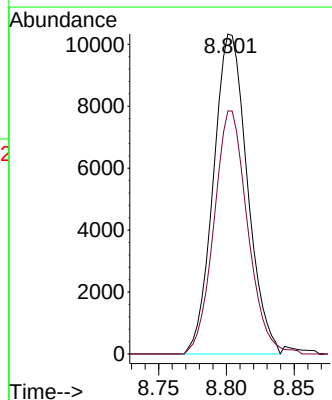
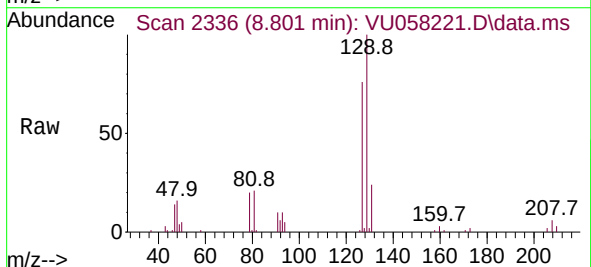
Instrument :
MSVOA_U
ClientSampleId :

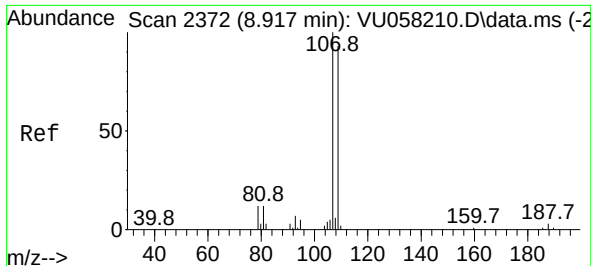
Tgt Ion: 43 Resp: 89557
Ion Ratio Lower Upper
43 100
58 55.8 48.3 72.5
57 19.1 16.3 24.5
100 11.2 9.2 13.8



#49
Dibromochloromethane
Concen: 5.335 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion: 129 Resp: 17958
Ion Ratio Lower Upper
129 100
127 76.0 55.7 103.5





#50

1,2-Dibromoethane

Concen: 5.250 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

Lab File: VU058221.D

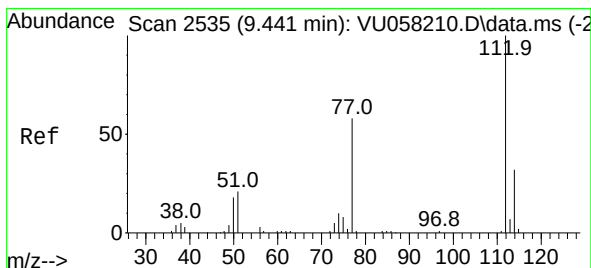
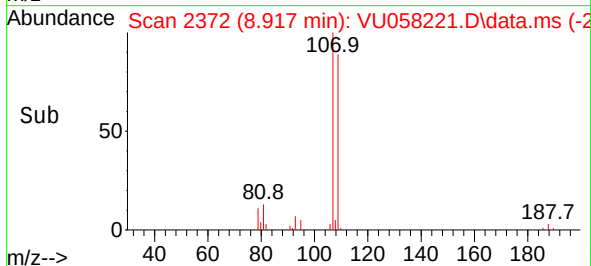
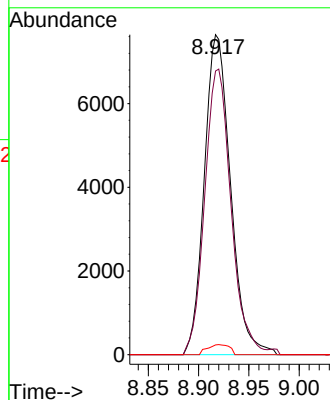
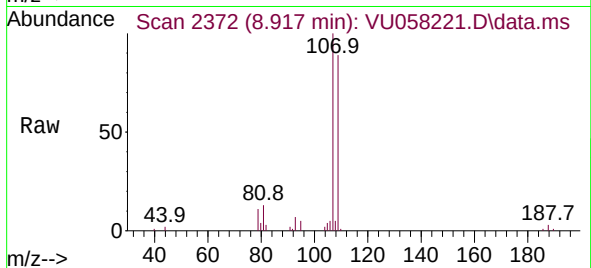
Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	13904
Ion Ratio	Lower	Upper	
107	100		
109	88.6	67.8	125.8
188	3.0	2.5	3.7



#51

Chlorobenzene

Concen: 5.001 ug/L

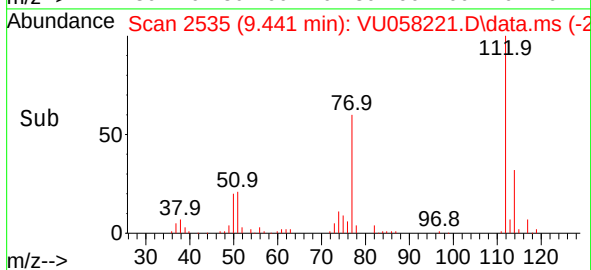
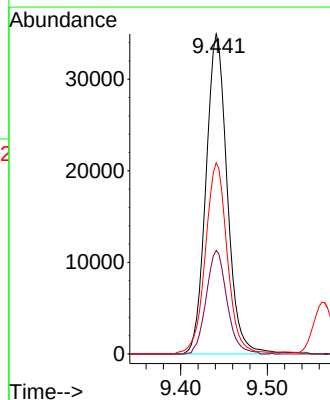
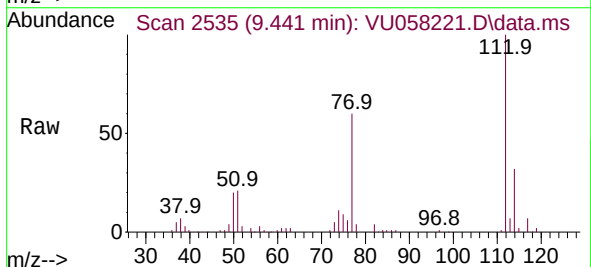
RT: 9.441 min Scan# 2535

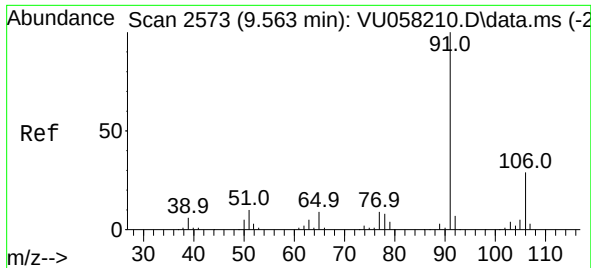
Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Tgt Ion:	112	Resp:	59518
Ion Ratio	Lower	Upper	
112	100		
114	32.4	22.7	42.3
77	59.8	48.9	73.3

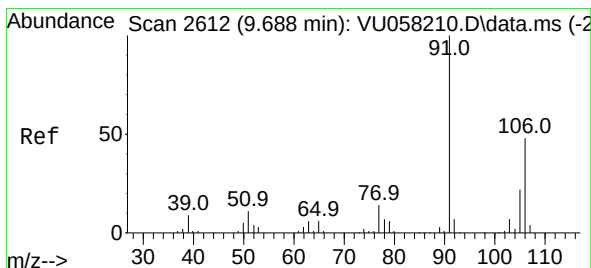
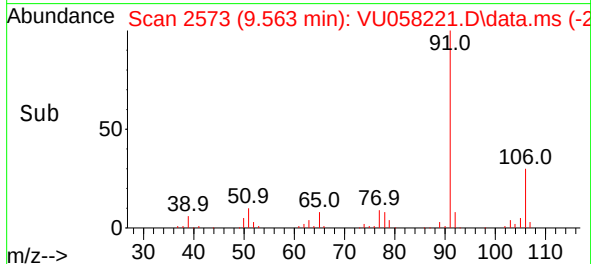
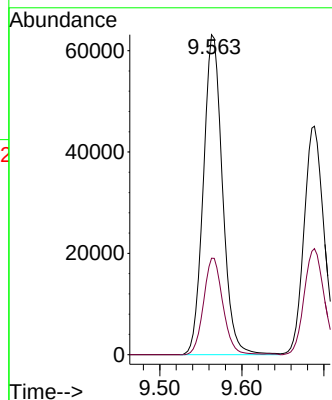
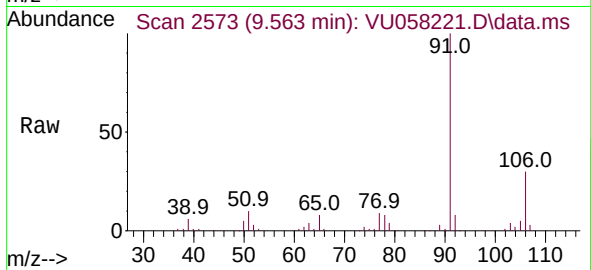




#52
Ethylbenzene
Concen: 4.965 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

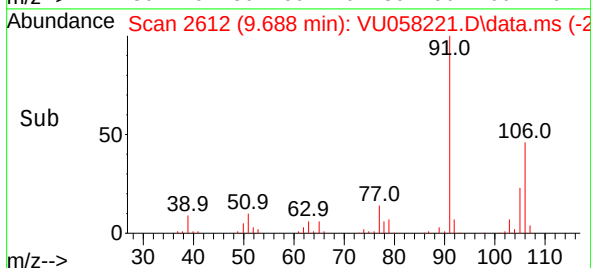
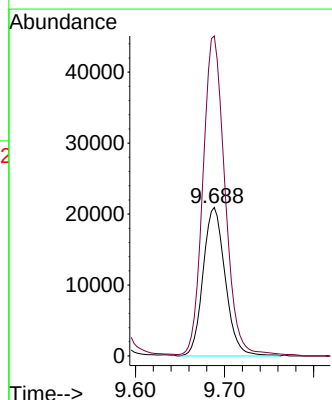
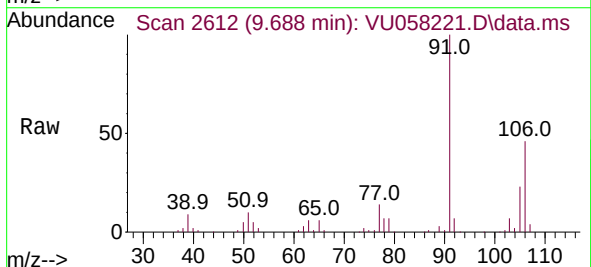
Instrument :
MSVOA_U
ClientSampleId :

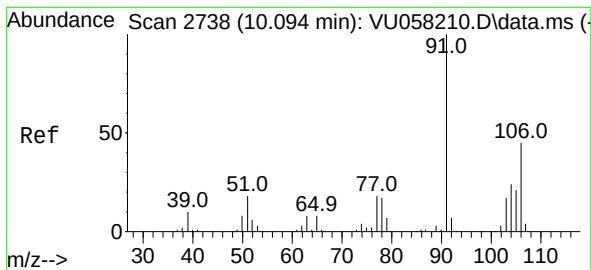
Tgt Ion: 91 Resp: 102410
Ion Ratio Lower Upper
91 100
106 30.1 20.6 38.2



#53
m,p-Xylene
Concen: 4.915 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion:106 Resp: 36122
Ion Ratio Lower Upper
106 100
91 215.4 151.0 280.4





#54

o-Xylene

Concen: 5.098 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

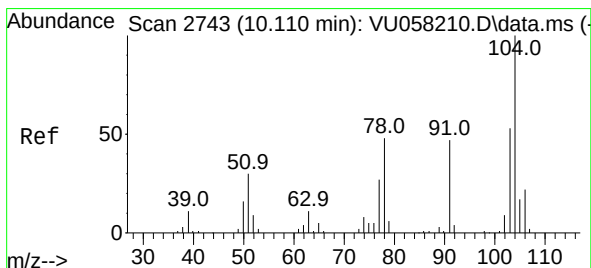
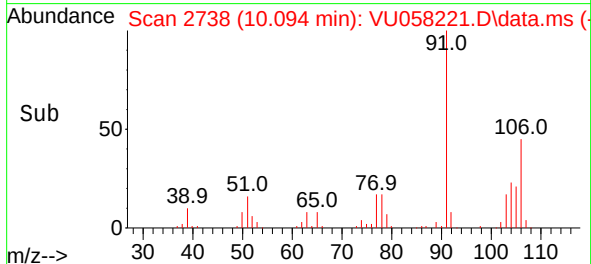
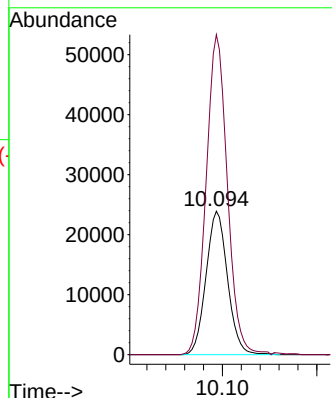
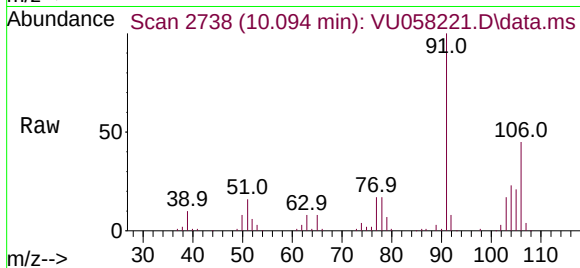
ClientSampleId :

Tgt Ion:106 Resp: 37825

Ion Ratio Lower Upper

106 100

91 223.1 154.3 286.7



#55

Styrene

Concen: 5.163 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU058221.D

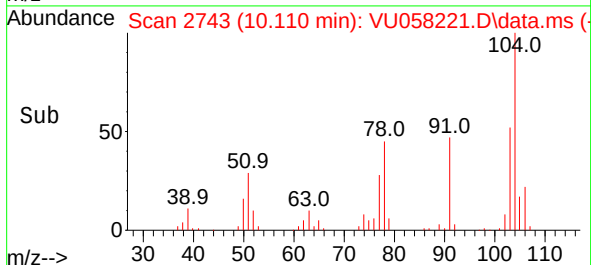
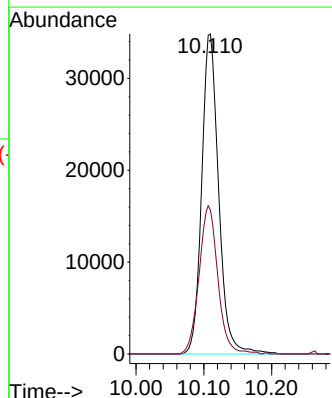
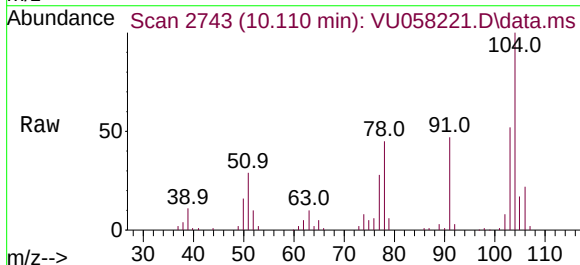
Acq: 27 Mar 2024 11:24

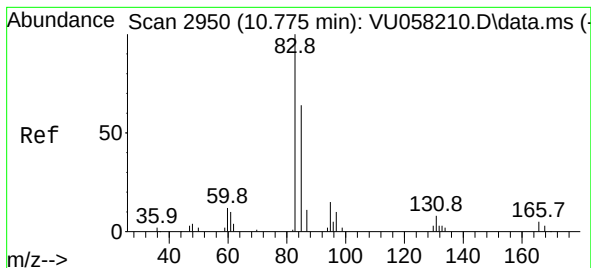
Tgt Ion:104 Resp: 60479

Ion Ratio Lower Upper

104 100

78 45.0 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.315 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :

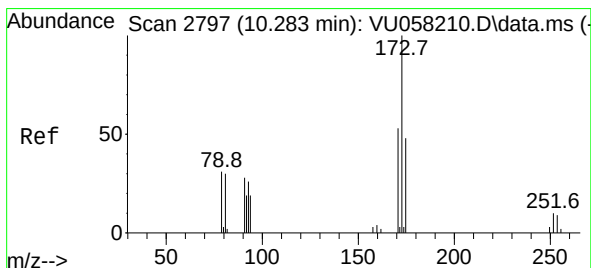
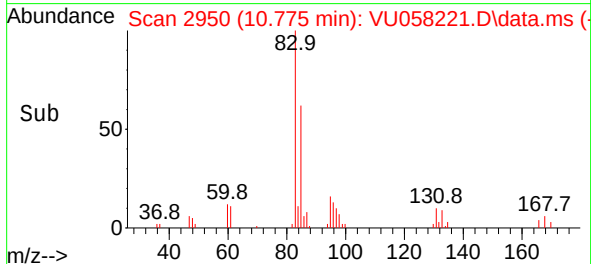
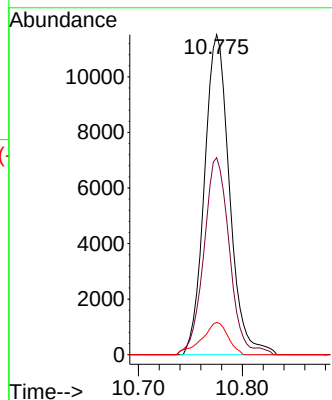
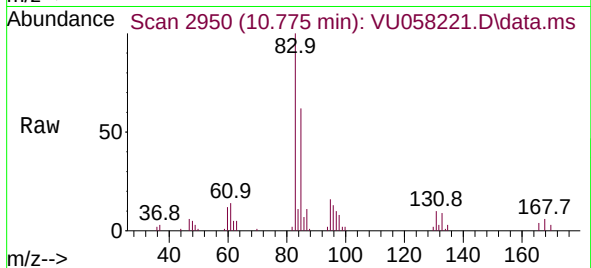
Tgt Ion: 83 Resp: 19274

Ion Ratio Lower Upper

83 100

85 61.5 44.7 82.9

131 10.1 7.0 10.6



#59

Bromoform

Concen: 5.521 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

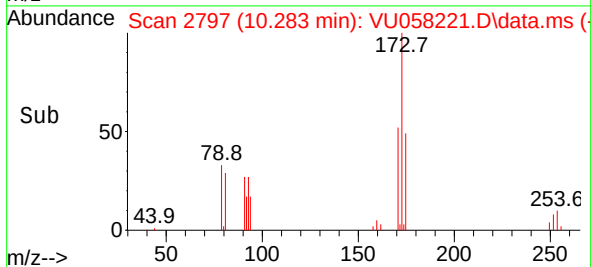
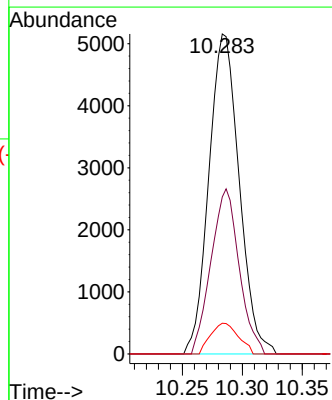
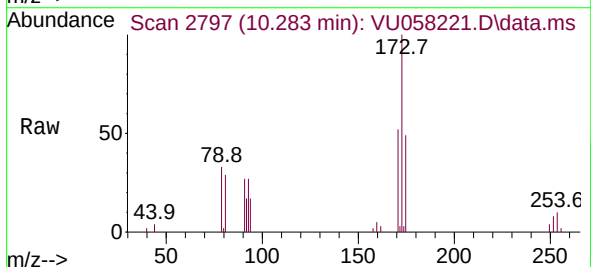
Tgt Ion:173 Resp: 9049

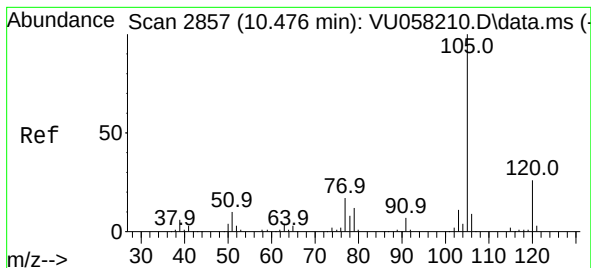
Ion Ratio Lower Upper

173 100

175 47.9 40.9 61.3

254 8.8 5.8 8.8#





#60

Isopropylbenzene

Concen: 5.085 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :

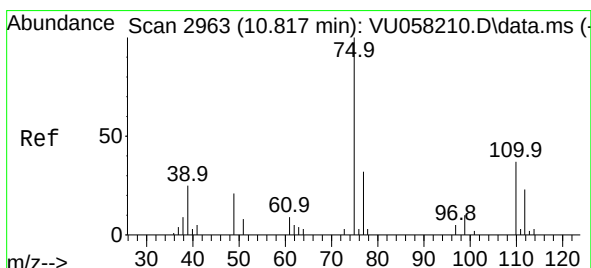
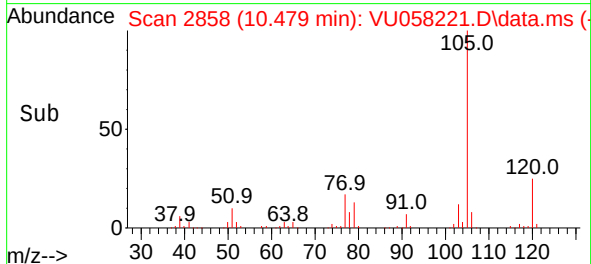
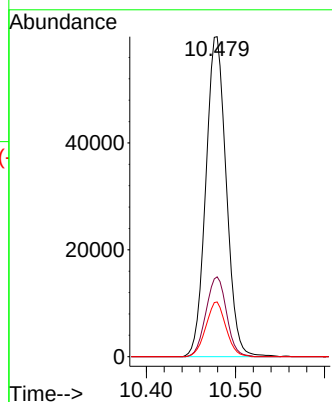
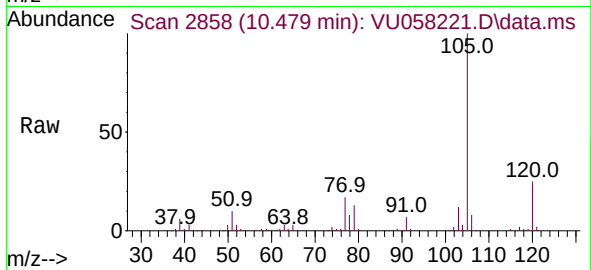
Tgt Ion:105 Resp: 95339

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.289 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

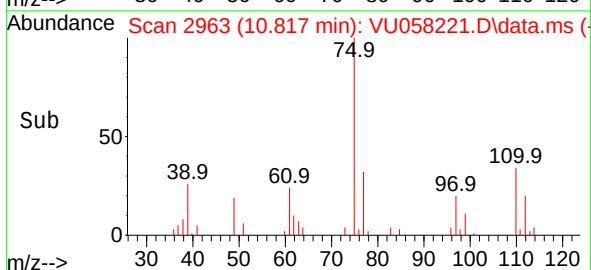
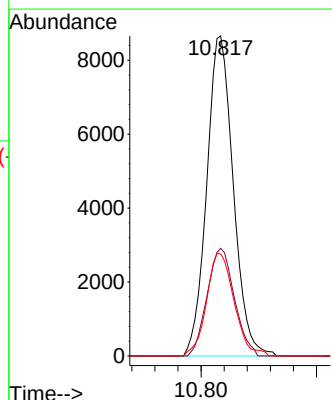
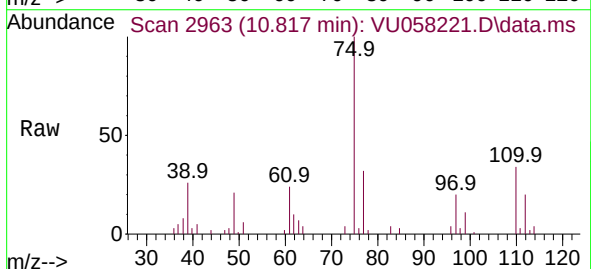
Tgt Ion: 75 Resp: 13824

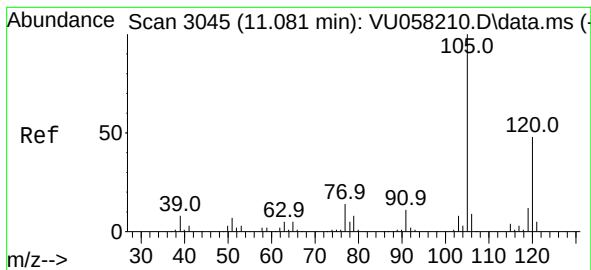
Ion Ratio Lower Upper

75 100

110 34.4 28.1 42.1

77 33.2 25.1 37.7





#62

1,3,5-Trimethylbenzene

Concen: 5.047 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

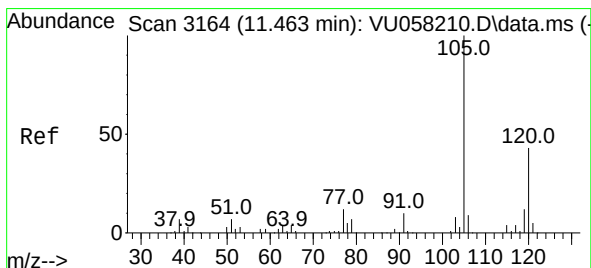
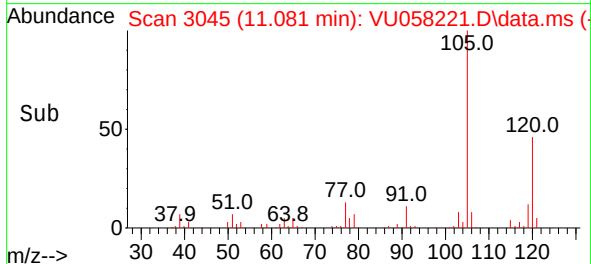
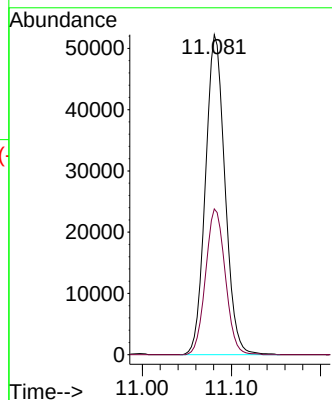
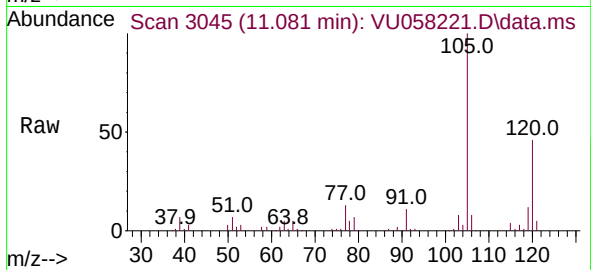
ClientSampleId :

Tgt Ion:105 Resp: 79426

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.983 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU058221.D

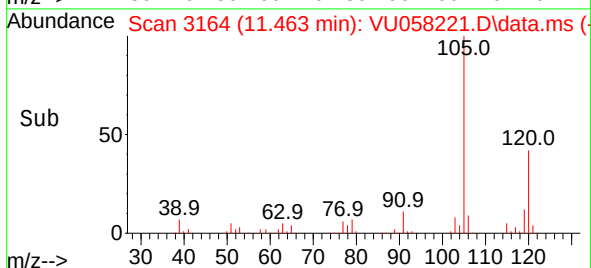
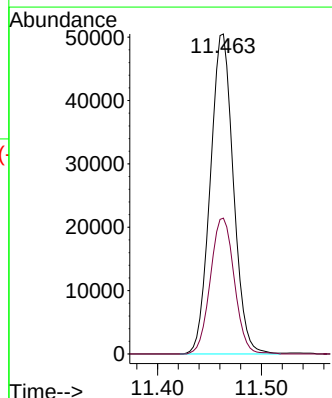
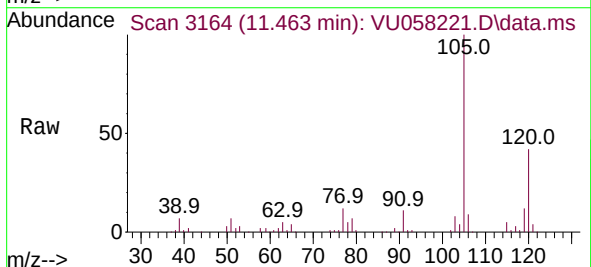
Acq: 27 Mar 2024 11:24

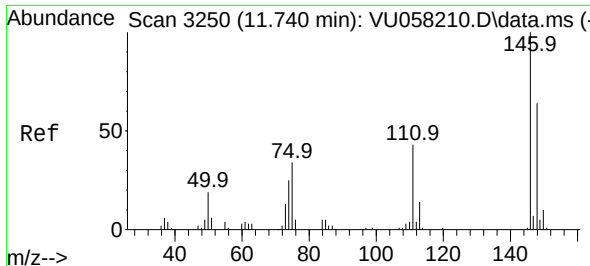
Tgt Ion:105 Resp: 77883

Ion Ratio Lower Upper

105 100

120 43.9 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 5.188 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :

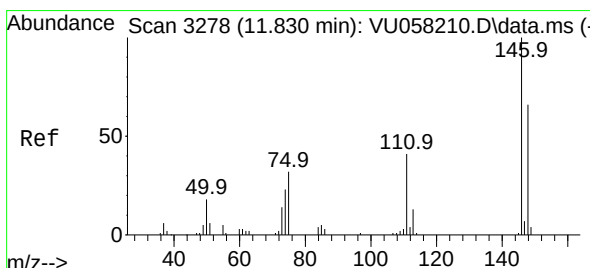
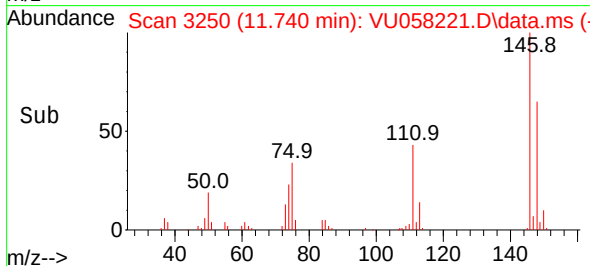
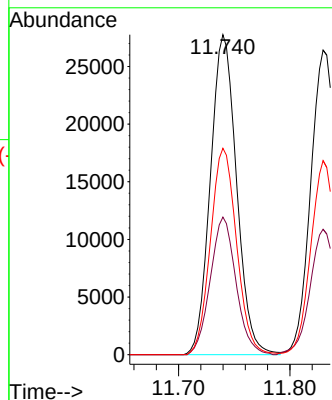
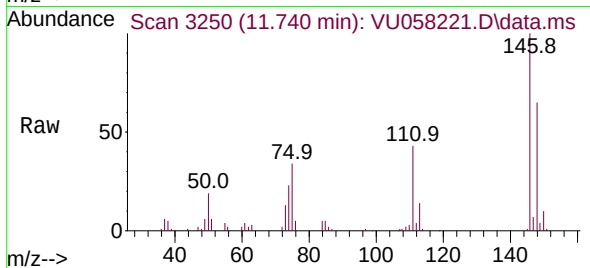
Tgt Ion:146 Resp: 45307

Ion Ratio Lower Upper

146 100

111 43.0 29.9 55.5

148 64.5 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 5.272 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

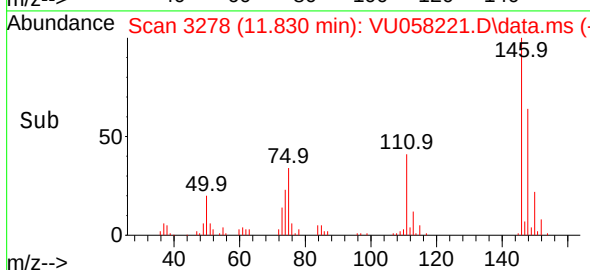
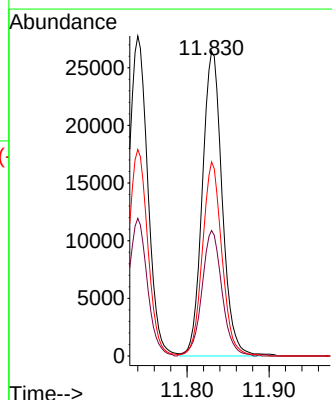
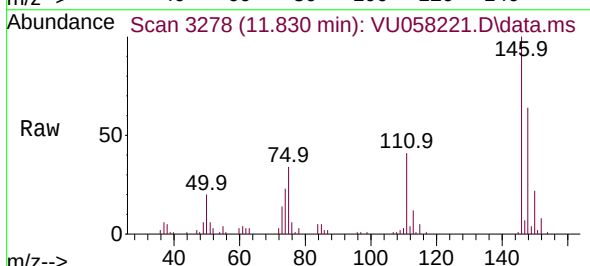
Tgt Ion:146 Resp: 44492

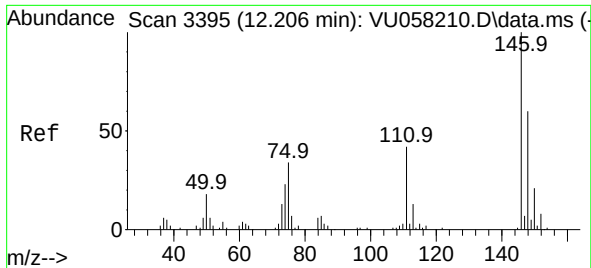
Ion Ratio Lower Upper

146 100

111 41.2 29.0 53.8

148 63.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 5.201 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058221.D

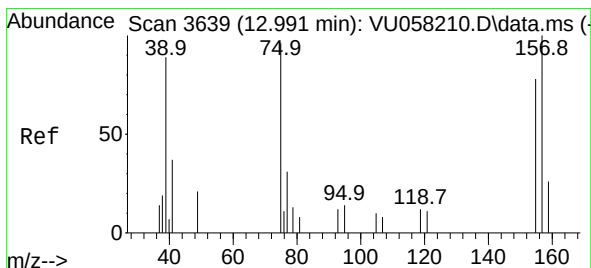
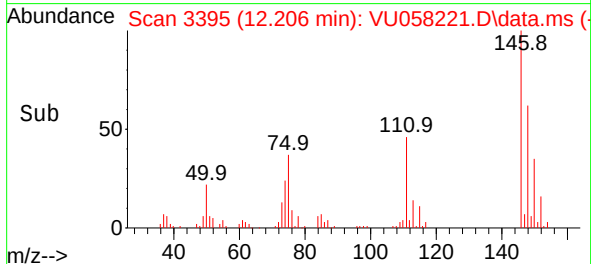
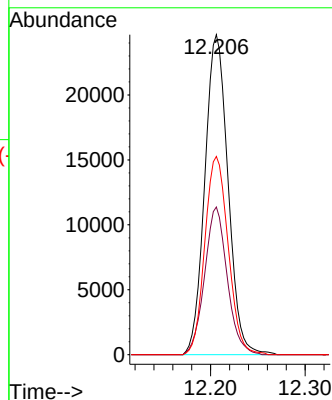
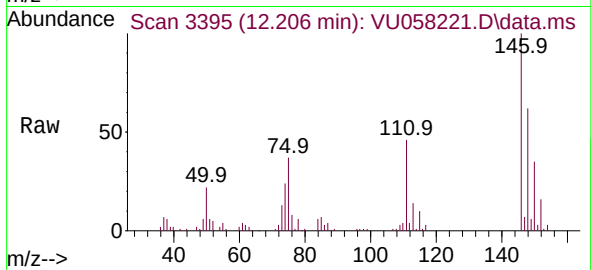
Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:146	Resp:	42004
Ion Ratio	Lower	Upper
146	100	
111	46.1	35.9 53.9
148	62.0	52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 6.315 ug/L

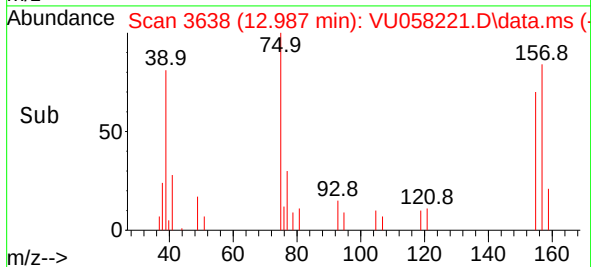
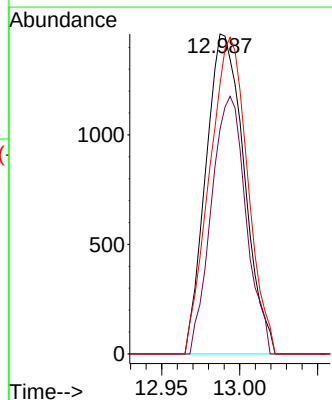
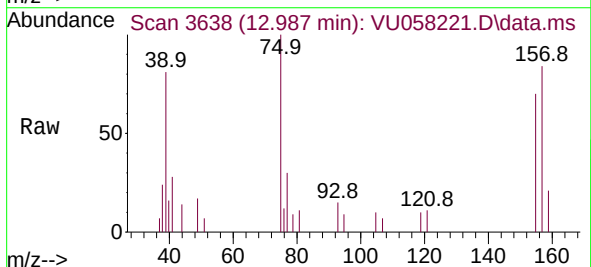
RT: 12.987 min Scan# 3638

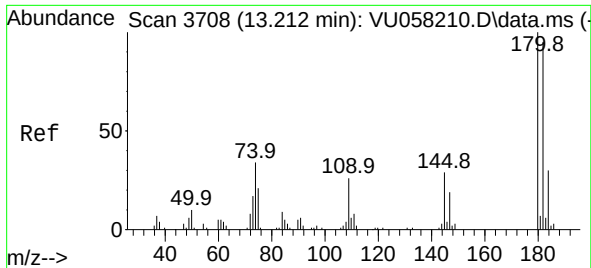
Delta R.T. -0.003 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Tgt Ion: 75	Resp:	2489
Ion Ratio	Lower	Upper
75	100	
155	70.3	60.2 90.2
157	84.4	82.6 123.8





#69

1,3,5-Trichlorobenzene

Concen: 5.208 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.000 min

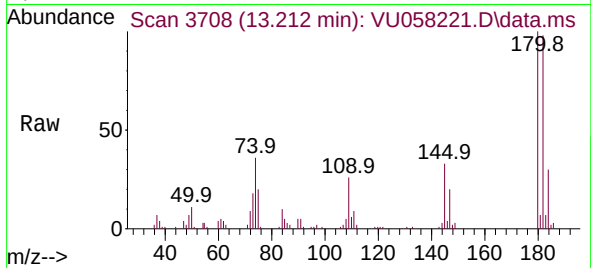
Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 31800

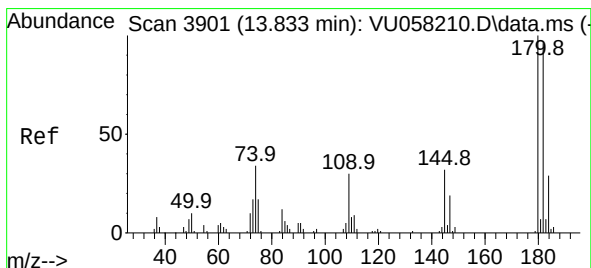
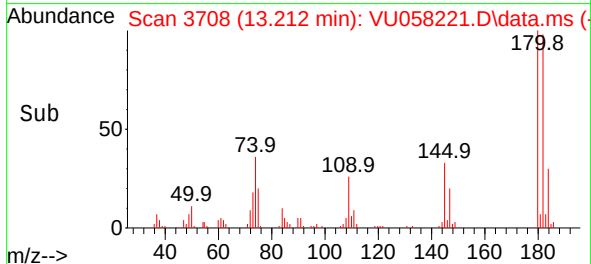
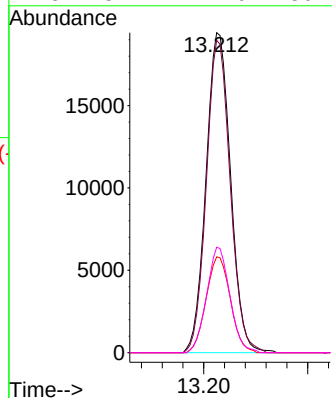
Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.0

184 29.6 24.8 37.2

145 31.2 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 5.065 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058221.D

Acq: 27 Mar 2024 11:24

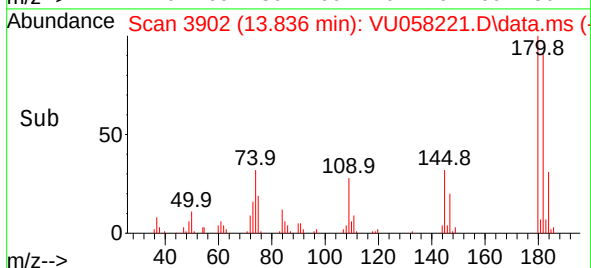
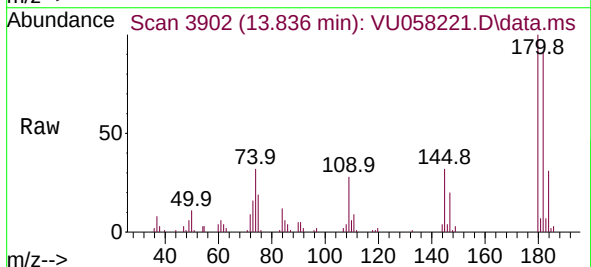
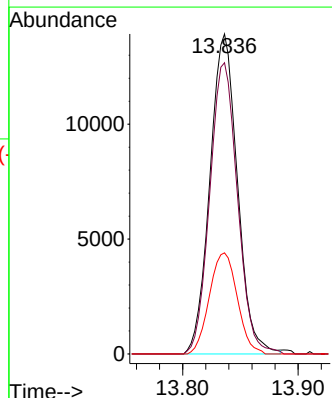
Tgt Ion:180 Resp: 23068

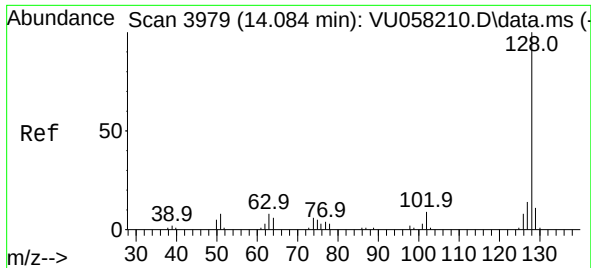
Ion Ratio Lower Upper

180 100

182 91.4 74.5 111.7

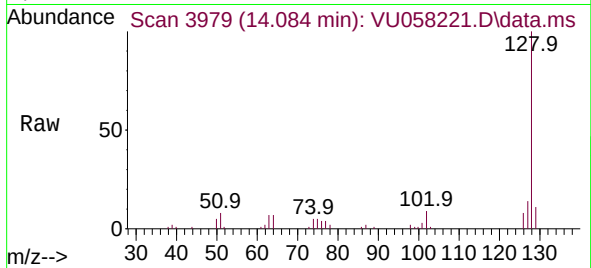
145 32.0 24.5 36.7



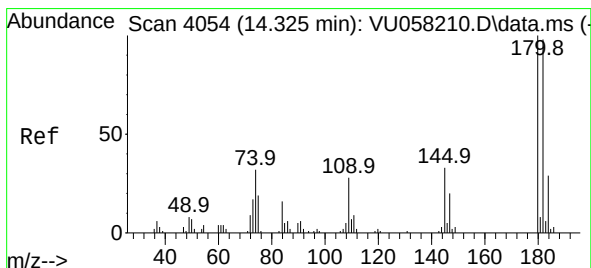
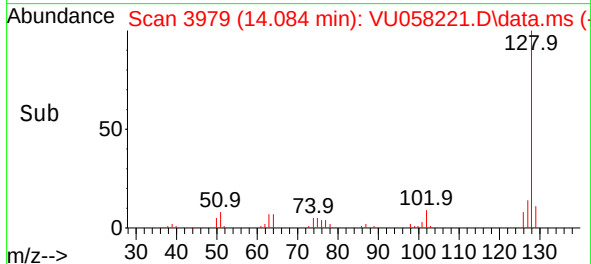
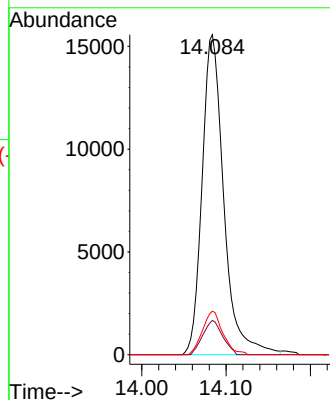


#71
Naphthalene
Concen: 4.497 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 27890
Ion Ratio Lower Upper
128 100
129 9.7 8.1 12.1
127 12.7 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.981 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU058221.D
Acq: 27 Mar 2024 11:24

Tgt Ion:180 Resp: 18575
Ion Ratio Lower Upper
180 100
182 95.6 74.4 111.6
145 33.3 26.3 39.5

