

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032524\
 Data File : VU058219.D
 Acq On : 25 Mar 2024 19:00
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 26 01:43:45 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	69836	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	67657	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	33950	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	23501	3.982	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.908	69	21928	4.552	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.000%
11) 1,1-Dichloroethene-d2	2.560	65	9973	4.070	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.624	46	54672	52.145	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.300%
24) Chloroform-d	5.052	84	48997	4.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.692	65	23364	4.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
32) Benzene-d6	5.718	84	95106	4.328	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
36) 1,2-Dichloropropane-d6	6.682	67	29822	4.605	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.891	98	84915	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	8.174	79	9230	4.448	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.628	63	42220	50.238	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.480%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	20612	4.885	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	28175	4.457	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	14028	4.877	ug/L	98
3) Chloromethane	1.515	50	17421	4.751	ug/L	96
5) Vinyl chloride	1.599	62	20185	5.042	ug/L	98
6) Bromomethane	1.853	94	11436	5.326	ug/L	100
8) Chloroethane	1.930	64	14699	5.567	ug/L	97
9) Trichlorofluoromethane	2.133	101	32994	5.071	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	20885	5.001	ug/L	99
12) 1,1-Dichloroethene	2.573	96	17390	4.967	ug/L	94
13) Acetone	2.637	43	33321	49.106	ug/L	98
14) Carbon disulfide	2.785	76	37560	4.802	ug/L	98
15) Methyl Acetate	2.949	43	6684	4.745	ug/L	93
16) Methylene chloride	3.036	84	23388	4.714	ug/L	99
17) Methyl tert-butyl Ether	3.351	73	46836	4.985	ug/L	98
18) trans-1,2-Dichloroethene	3.345	96	18307	5.003	ug/L	99
19) 1,1-Dichloroethane	3.859	63	42779	5.204	ug/L	98
21) 2-Butanone	4.705	43	50451	48.939	ug/L	100
22) cis-1,2-Dichloroethene	4.657	96	22227	4.916	ug/L	99
23) Bromochloromethane	4.965	128	9245	5.480	ug/L	96
25) Chloroform	5.078	83	43906	5.093	ug/L	95

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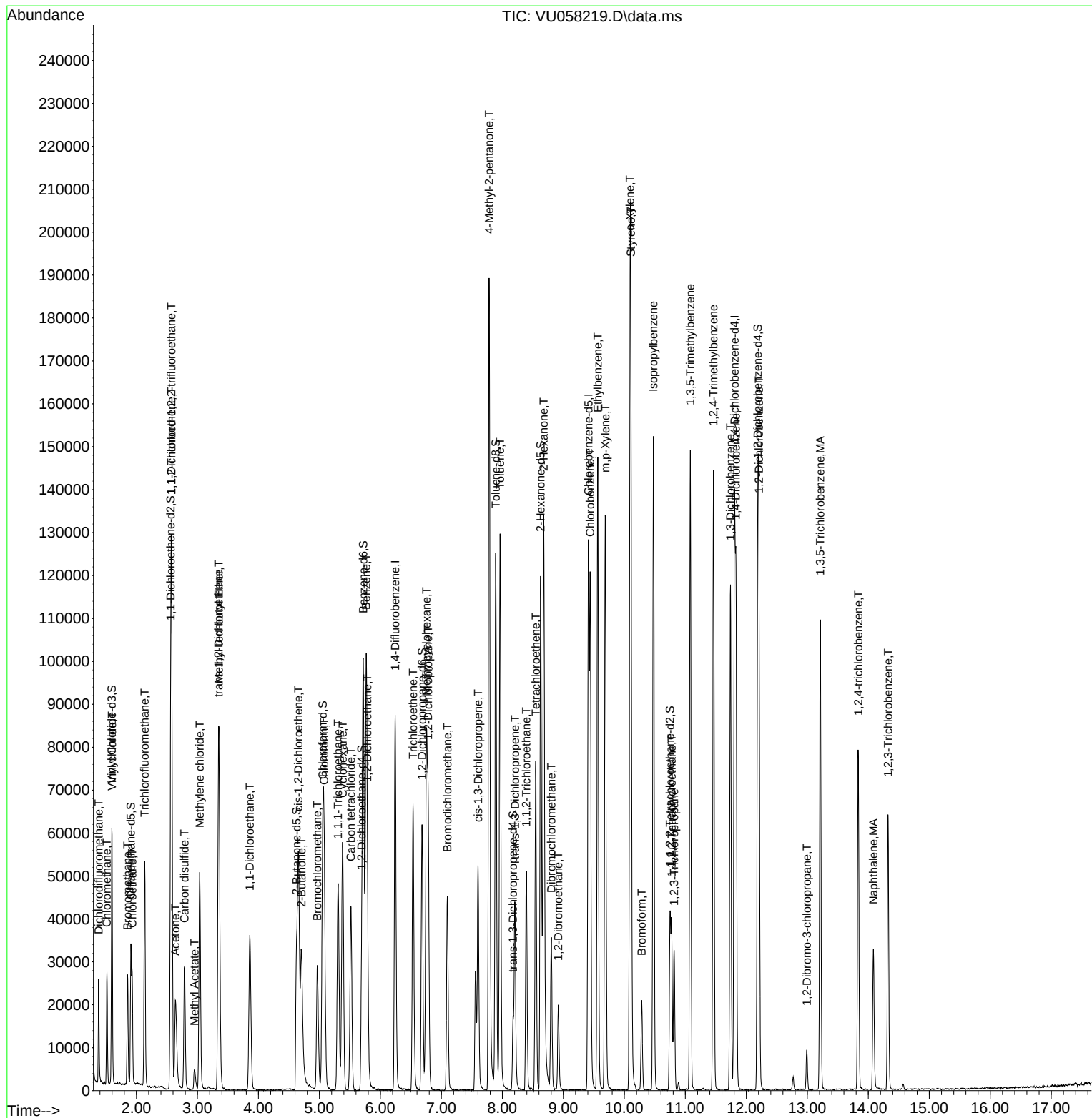
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	24731	5.053	ug/L	98
29) 1,1,1-Trichloroethane	5.306	97	35212	5.034	ug/L	98
30) Cyclohexane	5.380	56	28362	4.642	ug/L	98
31) Carbon tetrachloride	5.515	117	28742	4.827	ug/L	100
33) Benzene	5.766	78	89111	5.015	ug/L	100
34) Trichloroethene	6.534	95	23130	4.996	ug/L	97
35) Methylcyclohexane	6.753	83	30231	4.682	ug/L	99
37) 1,2-Dichloropropane	6.782	63	25138	5.064	ug/L	100
38) Bromodichloromethane	7.097	83	29582	5.199	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	32499	5.162	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	124779	49.712	ug/L	98
42) Toluene	7.962	91	95445	5.084	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	25112	5.069	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	15871	5.076	ug/L	96
47) Tetrachloroethene	8.547	164	15792	5.093	ug/L	99
48) 2-Hexanone	8.676	43	90085	49.283	ug/L	94
49) Dibromochloromethane	8.801	129	17972	5.253	ug/L	99
50) 1,2-Dibromoethane	8.917	107	13299	4.941	ug/L	99
51) Chlorobenzene	9.441	112	60253	4.981	ug/L	97
52) Ethylbenzene	9.563	91	103085	4.917	ug/L	99
53) m,p-Xylene	9.689	106	38134	5.105	ug/L	94
54) o-Xylene	10.094	106	37279	4.944	ug/L	96
55) Styrene	10.107	104	61216	5.142	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	19122	5.189	ug/L	99
59) Bromoform	10.283	173	9356	5.247	ug/L	95
60) Isopropylbenzene	10.476	105	96824	4.747	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	13896	4.888	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	79750	4.659	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	79318	4.666	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	45510	4.791	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	44302	4.826	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	42080	4.791	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	2484	5.794	ug/L	93
69) 1,3,5-Trichlorobenzene	13.213	180	32198	4.848	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	23319	4.707	ug/L	97
71) Naphthalene	14.084	128	28761	4.263	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	19452	4.795	ug/L	100

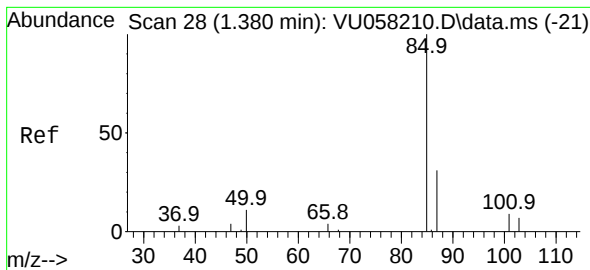
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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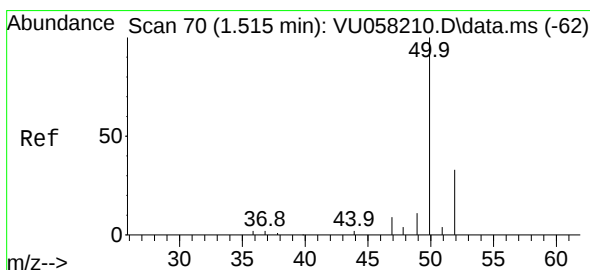
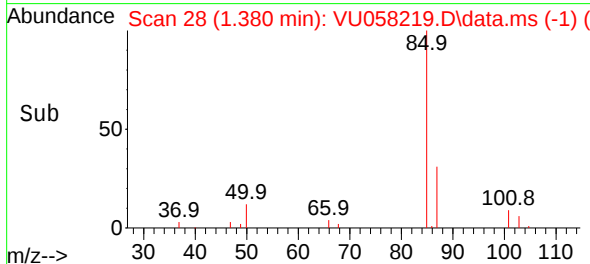
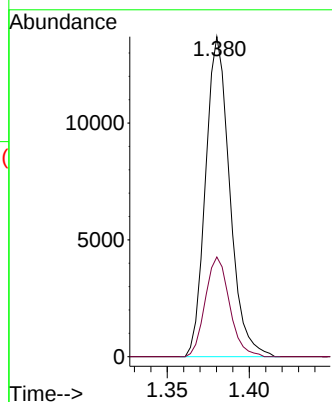
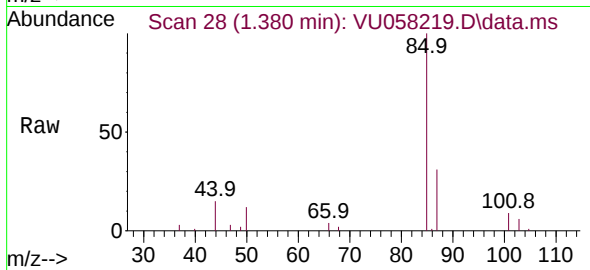




#2
 Dichlorodifluoromethane
 Concen: 4.877 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058219.D
 Acq: 25 Mar 2024 19:00

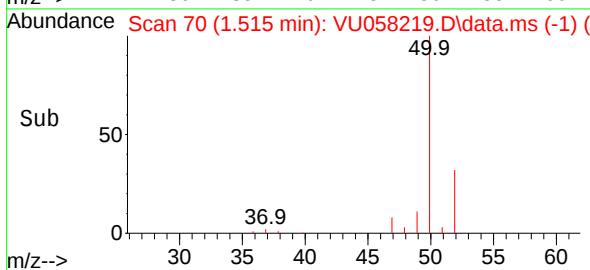
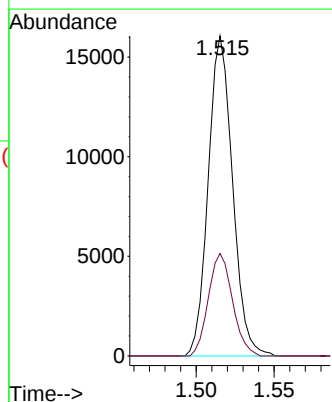
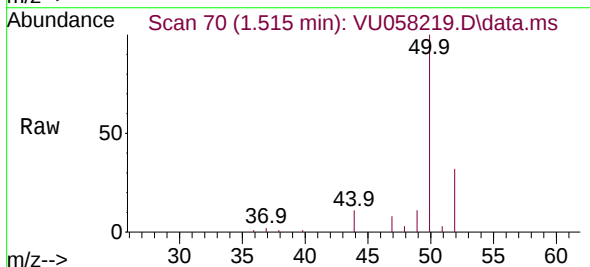
Instrument :
 MSVOA_U
 ClientSampleId :

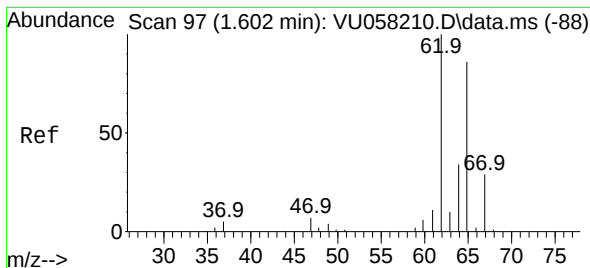
Tgt Ion: 85 Resp: 14028
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.8 38.8



#3
 Chloromethane
 Concen: 4.751 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU058219.D
 Acq: 25 Mar 2024 19:00

Tgt Ion: 50 Resp: 17421
 Ion Ratio Lower Upper
 50 100
 52 32.0 24.2 45.0





#5

Vinyl chloride

Concen: 5.042 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.003 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

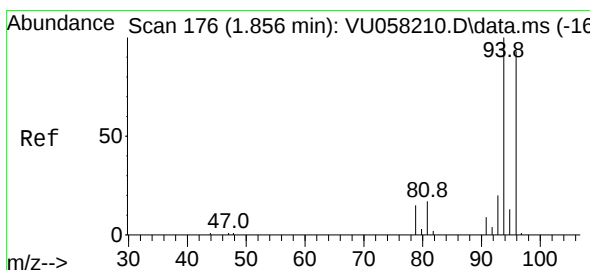
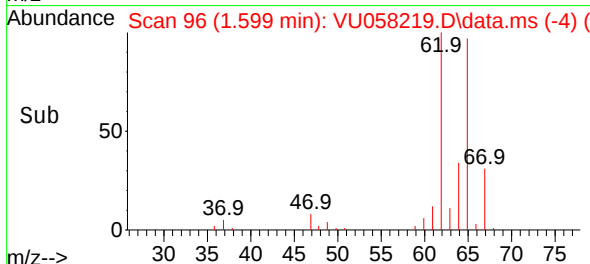
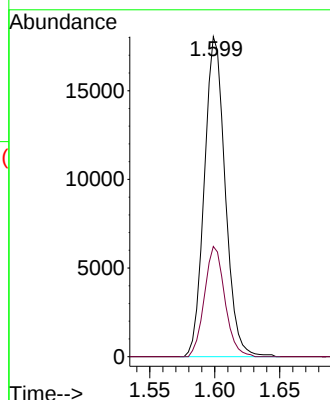
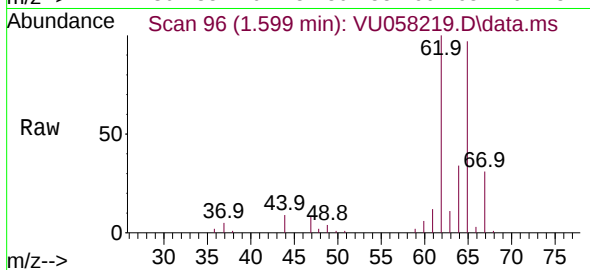
ClientSampleId :

Tgt Ion: 62 Resp: 20185

Ion Ratio Lower Upper

62 100

64 34.4 23.4 43.6



#6

Bromomethane

Concen: 5.326 ug/L

RT: 1.853 min Scan# 175

Delta R.T. -0.003 min

Lab File: VU058219.D

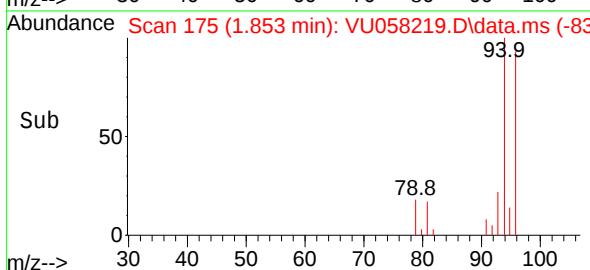
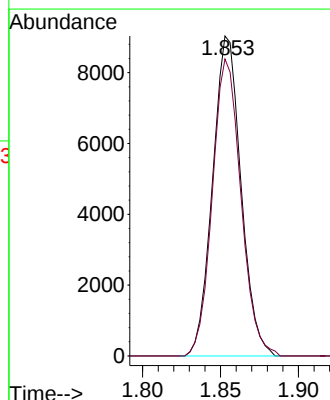
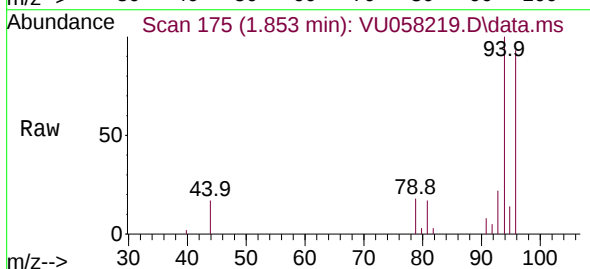
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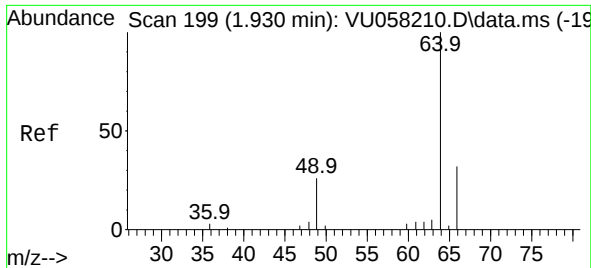
Tgt Ion: 94 Resp: 11436

Ion Ratio Lower Upper

94 100

96 92.8 64.8 120.4

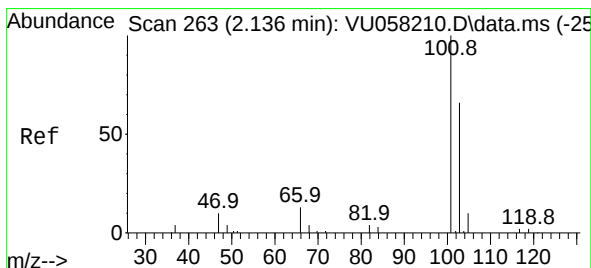
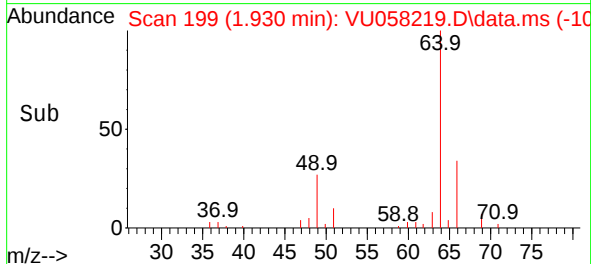
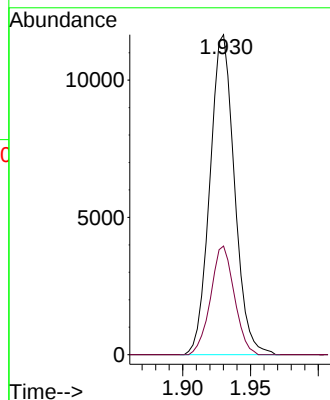
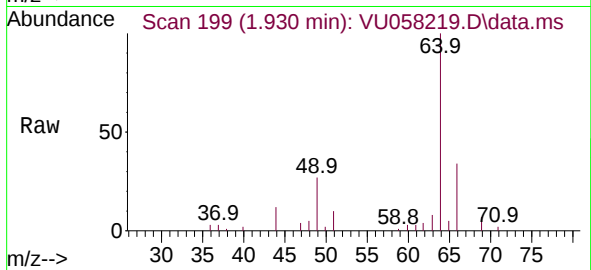




#8
Chloroethane
Concen: 5.567 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

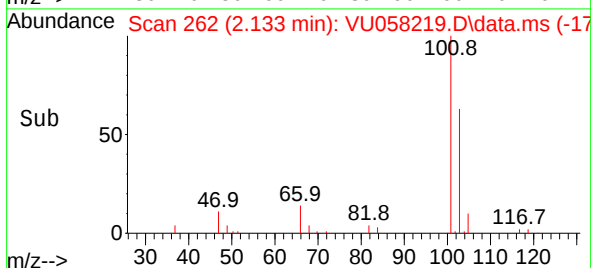
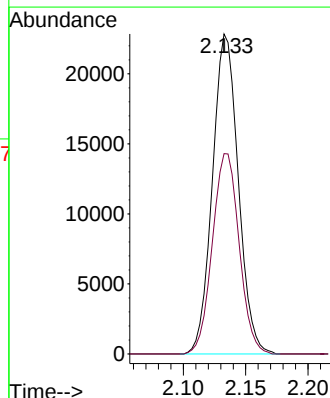
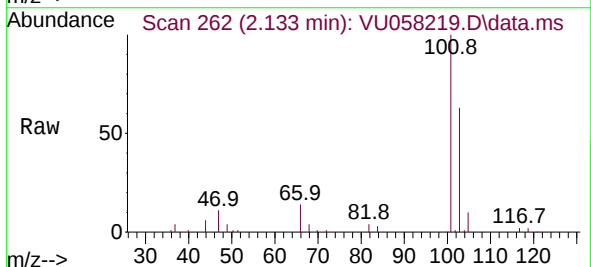
Instrument :
MSVOA_U
ClientSampleId :

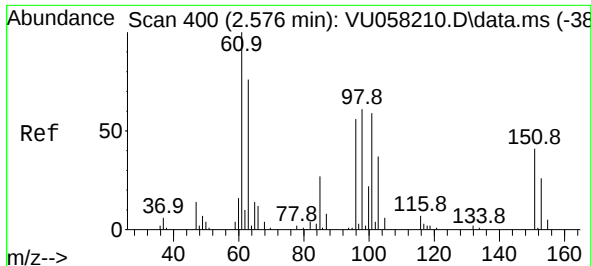
Tgt Ion: 64 Resp: 14699
Ion Ratio Lower Upper
64 100
66 34.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.071 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion:101 Resp: 32994
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

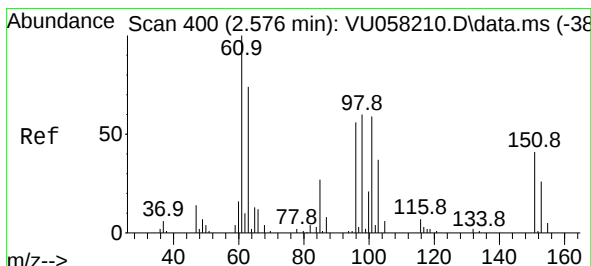
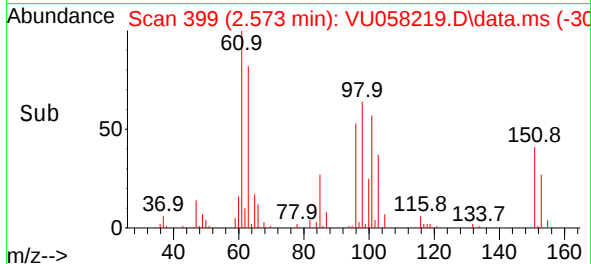
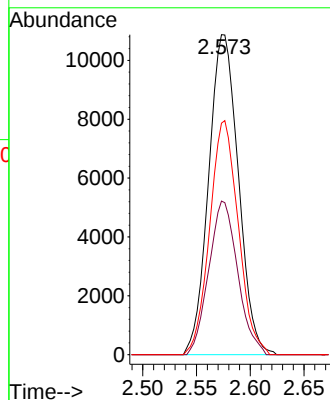
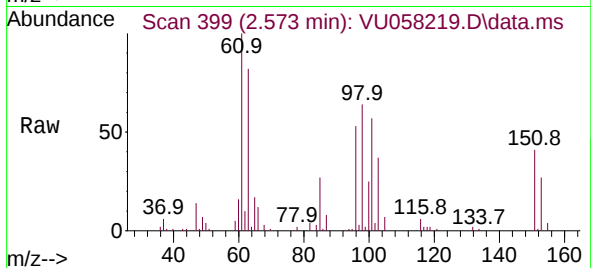




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.001 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

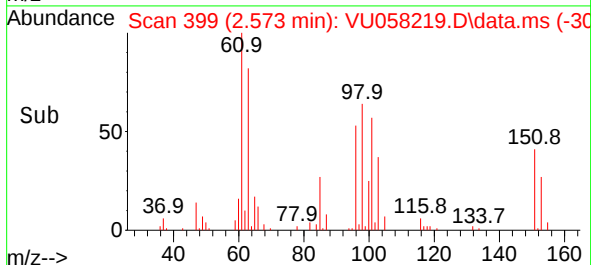
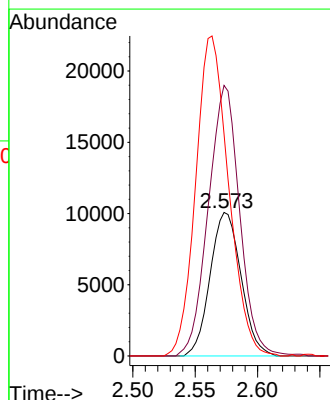
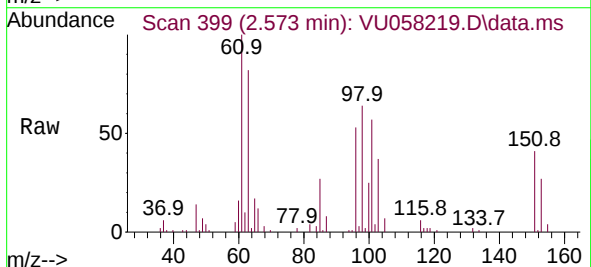
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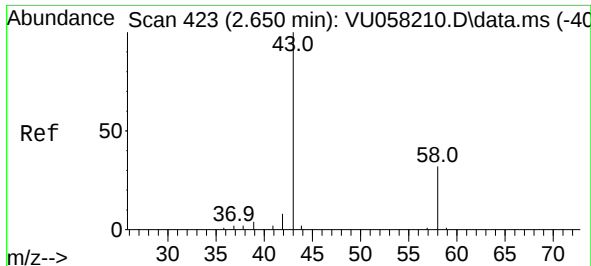
Tgt Ion:101 Resp: 20885
Ion Ratio Lower Upper
101 100
85 46.6 37.9 56.9
151 70.4 55.3 82.9



#12
1,1-Dichloroethene
Concen: 4.967 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion: 96 Resp: 17390
Ion Ratio Lower Upper
96 100
61 188.5 128.1 237.9
63 154.7 116.8 217.0





#13

Acetone

Concen: 49.106 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.013 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

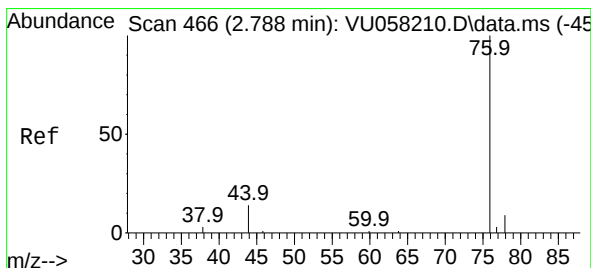
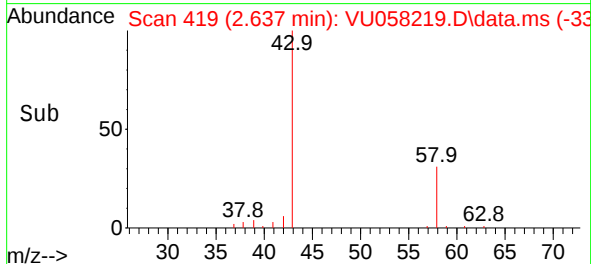
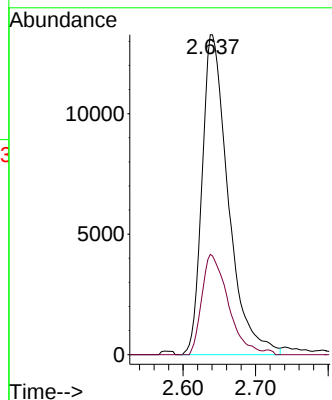
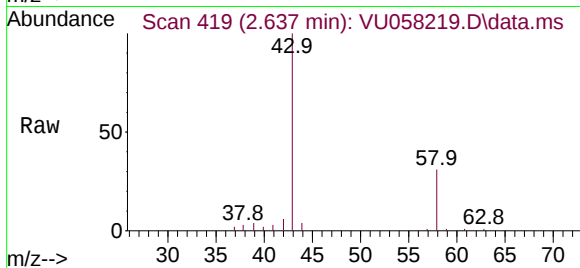
ClientSampleId :

Tgt Ion: 43 Resp: 33321

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.6



#14

Carbon disulfide

Concen: 4.802 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU058219.D

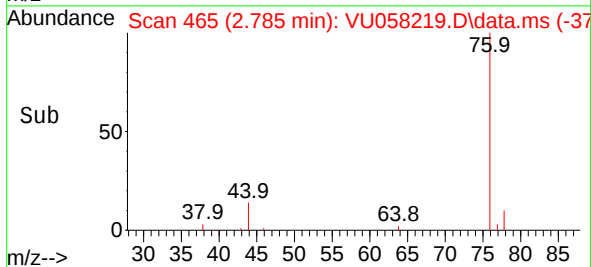
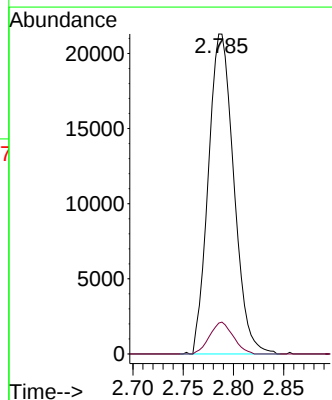
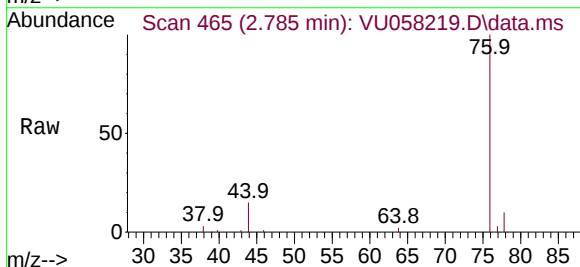
Acq: 25 Mar 2024 19:00

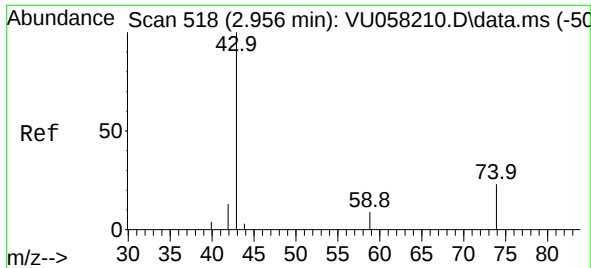
Tgt Ion: 76 Resp: 37560

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8





#15

Methyl Acetate

Concen: 4.745 ug/L

RT: 2.949 min Scan# 51

Delta R.T. -0.006 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

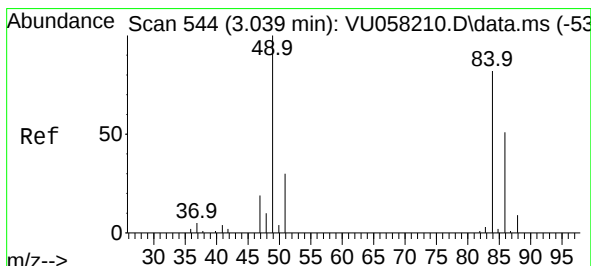
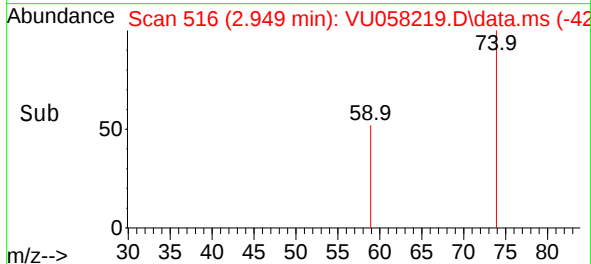
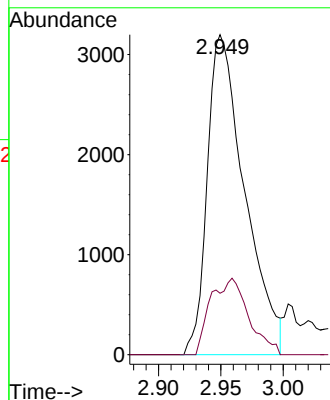
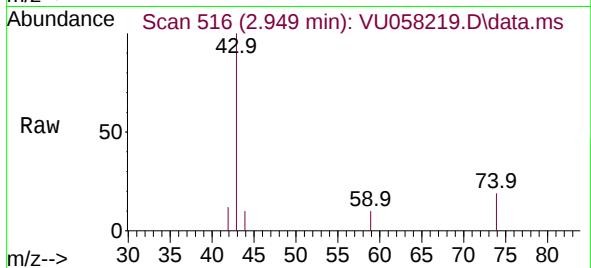
ClientSampleId :

Tgt Ion: 43 Resp: 6684

Ion Ratio Lower Upper

43 100

74 24.3 16.8 25.2



#16

Methylene chloride

Concen: 4.714 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

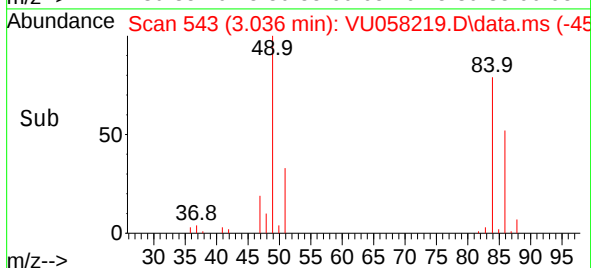
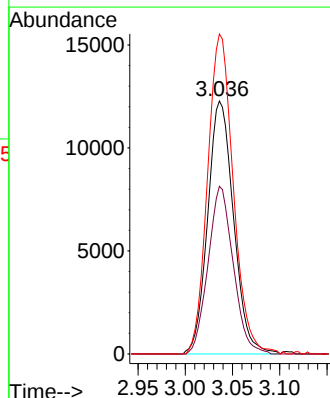
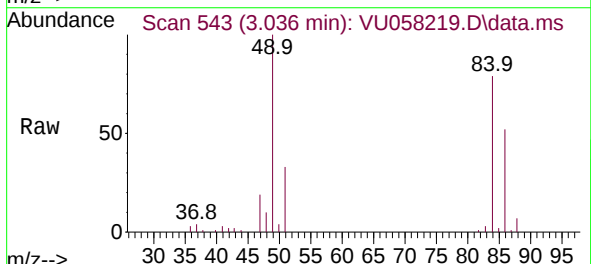
Tgt Ion: 84 Resp: 23388

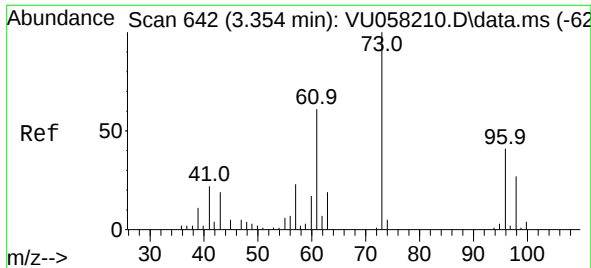
Ion Ratio Lower Upper

84 100

86 66.3 45.6 84.6

49 126.5 88.3 163.9

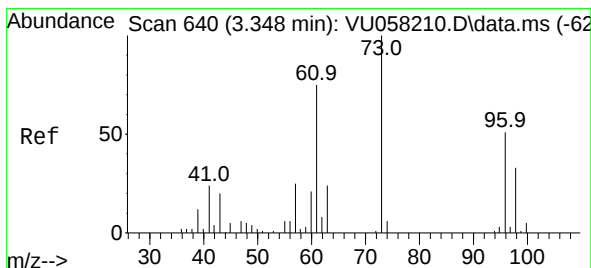
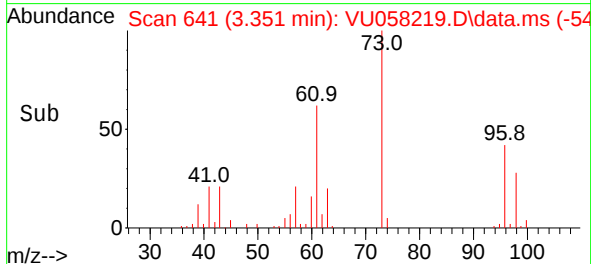
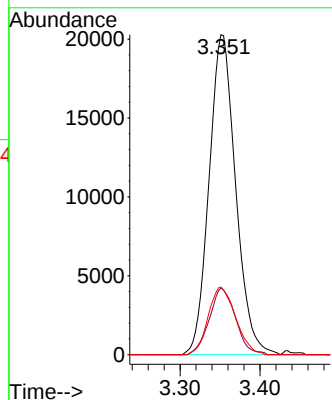
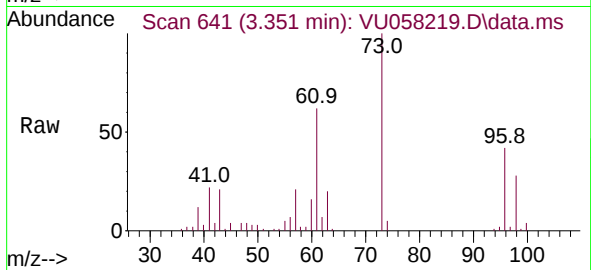




#17
Methyl tert-butyl Ether
Concen: 4.985 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

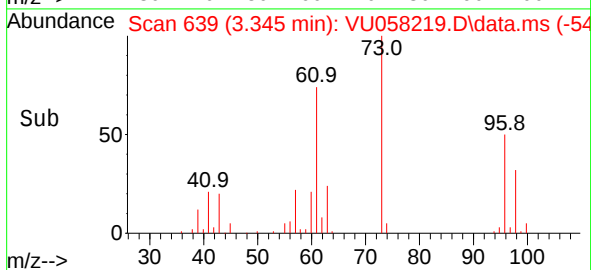
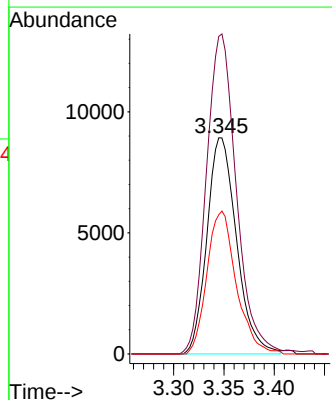
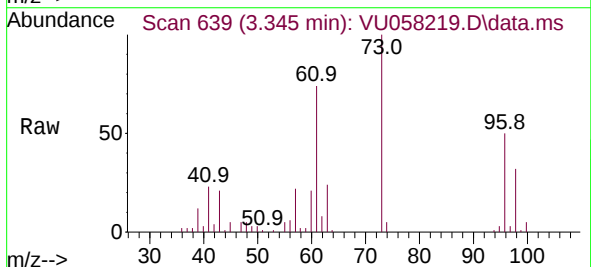
Instrument :
MSVOA_U
ClientSampleId :

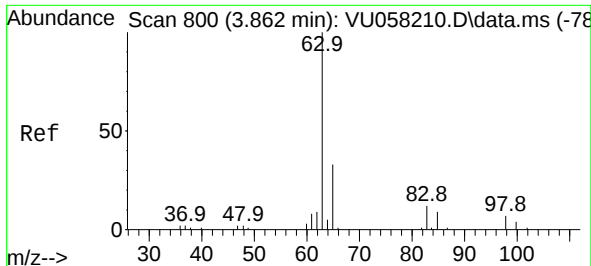
Tgt Ion: 73 Resp: 46836
Ion Ratio Lower Upper
73 100
43 20.4 15.5 23.3
57 21.9 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.003 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion: 96 Resp: 18307
Ion Ratio Lower Upper
96 100
61 146.9 102.5 190.3
98 64.4 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.204 ug/L

RT: 3.859 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :

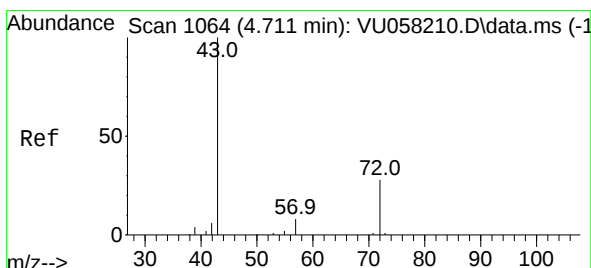
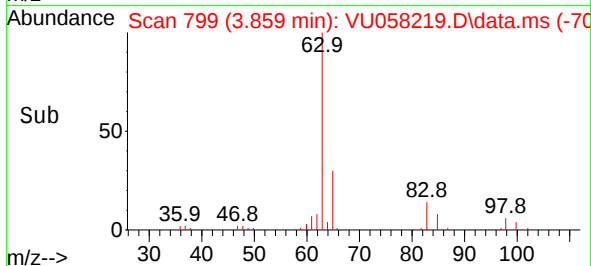
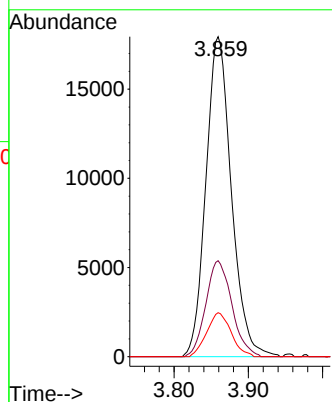
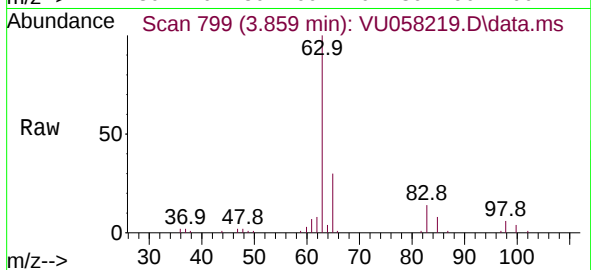
Tgt Ion: 63 Resp: 42779

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.5

83 13.8 10.0 18.6



#21

2-Butanone

Concen: 48.939 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.006 min

Lab File: VU058219.D

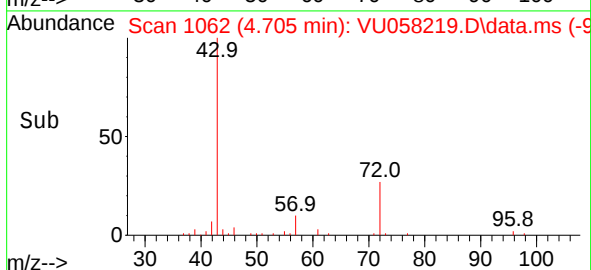
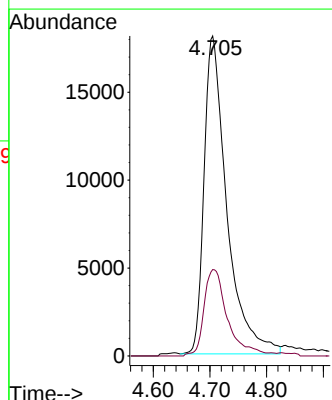
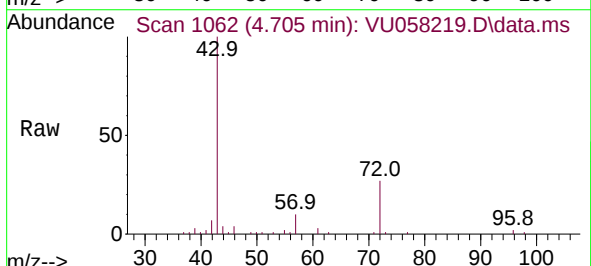
Acq: 25 Mar 2024 19:00

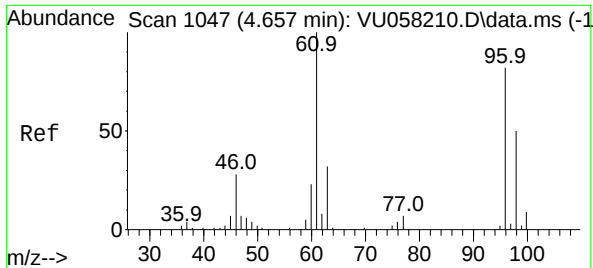
Tgt Ion: 43 Resp: 50451

Ion Ratio Lower Upper

43 100

72 28.0 14.0 41.9

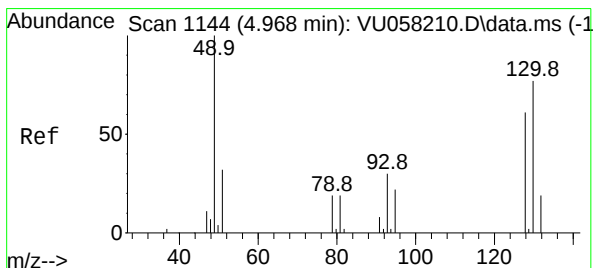
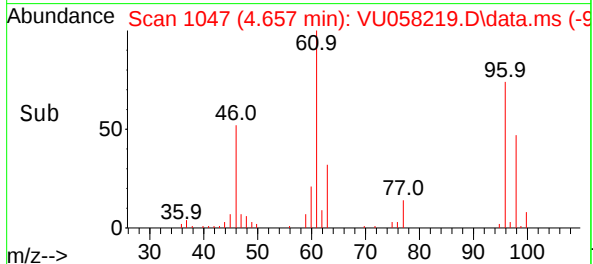
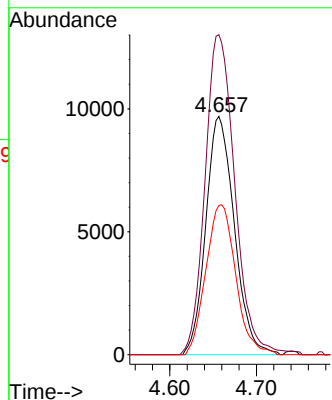
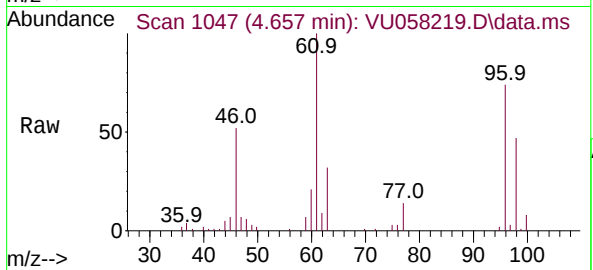




#22
cis-1,2-Dichloroethene
Concen: 4.916 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

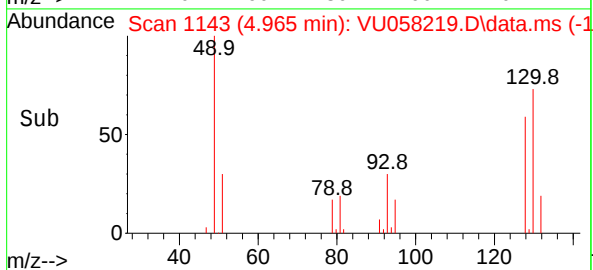
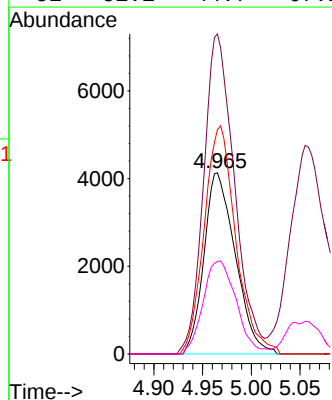
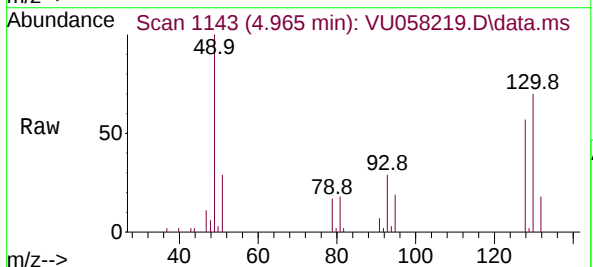
Instrument :
MSVOA_U
ClientSampleId :

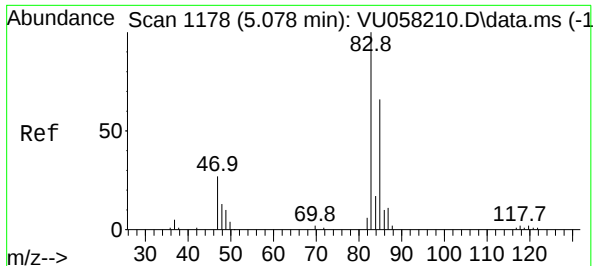
Tgt Ion: 96 Resp: 22227
Ion Ratio Lower Upper
96 100
61 134.3 92.8 172.4
98 62.6 43.2 80.2



#23
Bromochloromethane
Concen: 5.480 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion:128 Resp: 9245
Ion Ratio Lower Upper
128 100
49 181.5 125.0 232.2
130 123.9 92.3 171.5
51 51.1 44.7 67.1

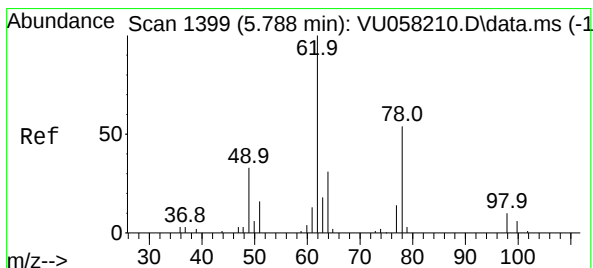
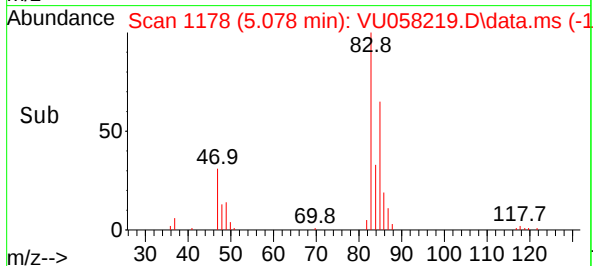
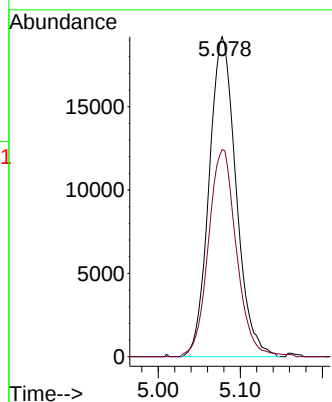
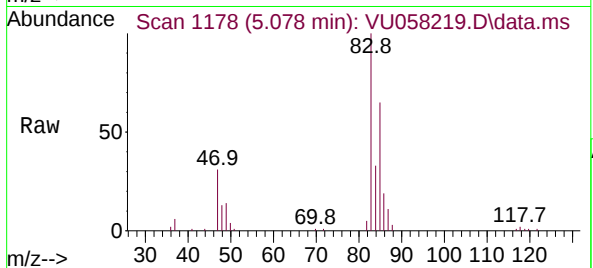




#25
Chloroform
Concen: 5.093 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

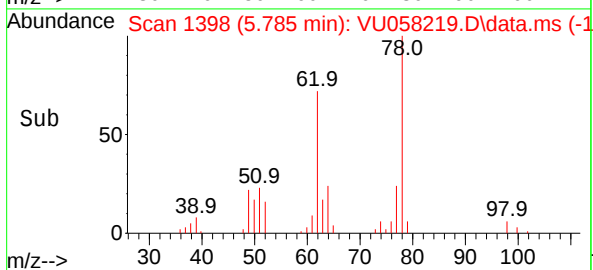
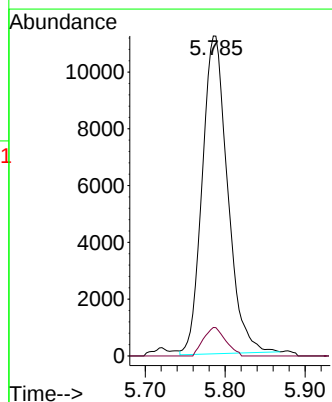
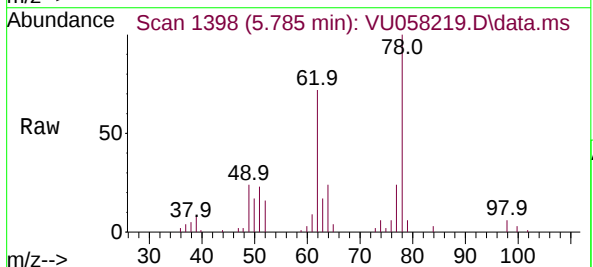
Instrument :
MSVOA_U
ClientSampleId :

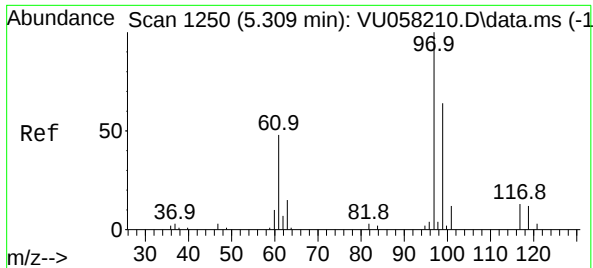
Tgt Ion: 83 Resp: 43906
Ion Ratio Lower Upper
83 100
85 64.7 47.9 88.9



#27
1,2-Dichloroethane
Concen: 5.053 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion: 62 Resp: 24731
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0

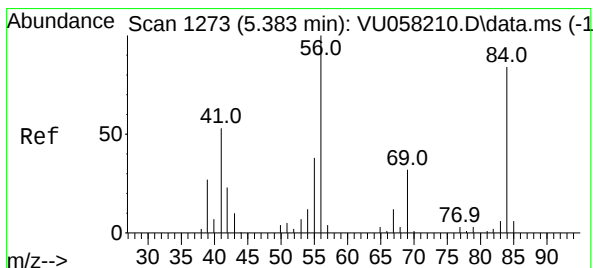
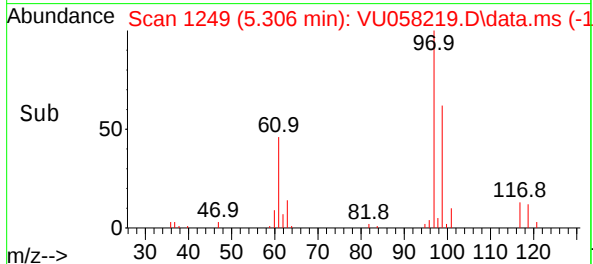
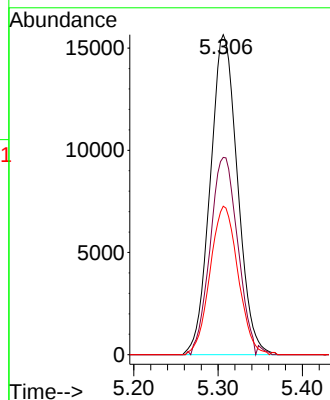
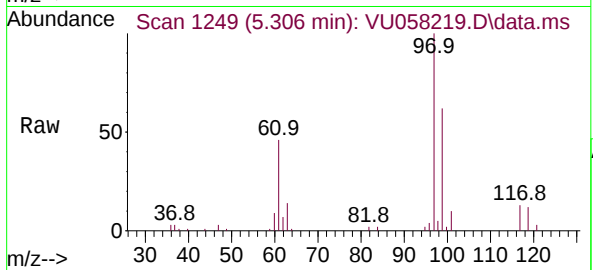




#29
1,1,1-Trichloroethane
Concen: 5.034 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

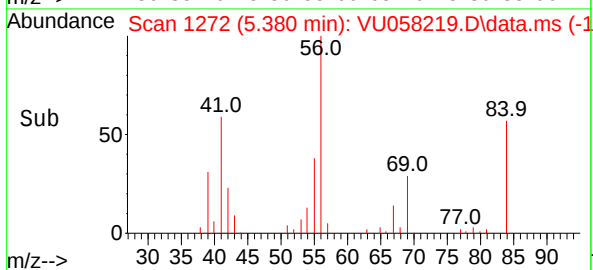
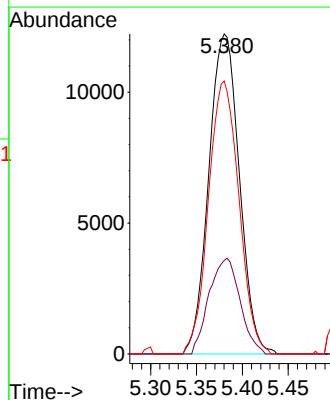
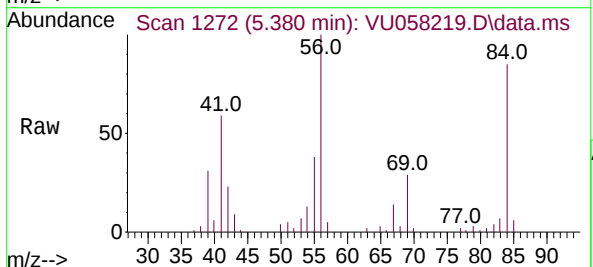
Instrument :
MSVOA_U
ClientSampleId :

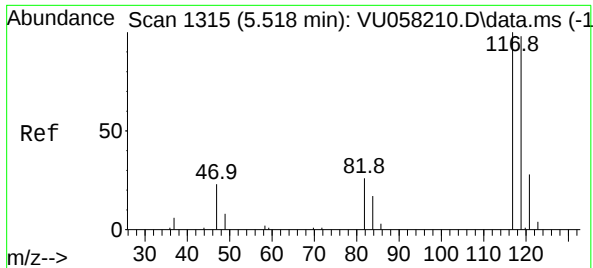
Tgt Ion:	97	Resp:	35212
Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.5	75.7
61	47.6	36.3	54.5



#30
Cyclohexane
Concen: 4.642 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion:	56	Resp:	28362
Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.2	36.2
84	85.2	69.7	104.5

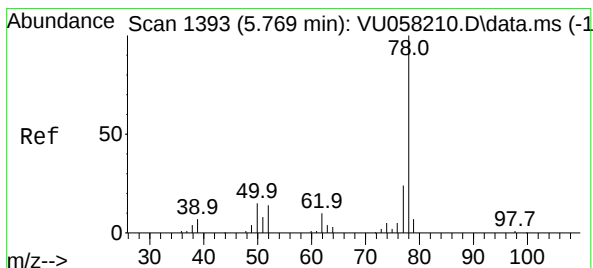
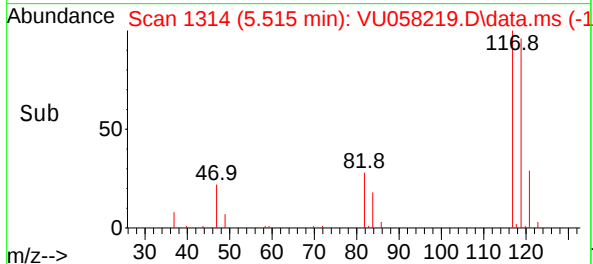
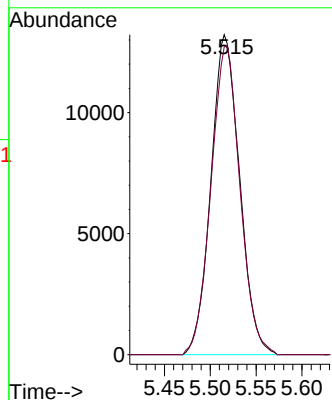
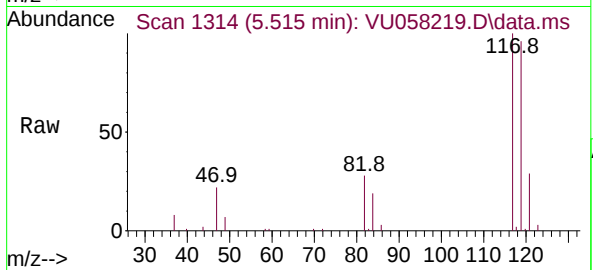




#31
Carbon tetrachloride
Concen: 4.827 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

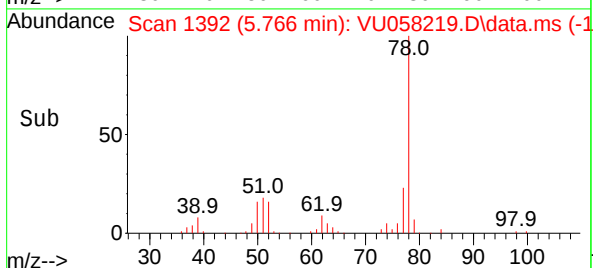
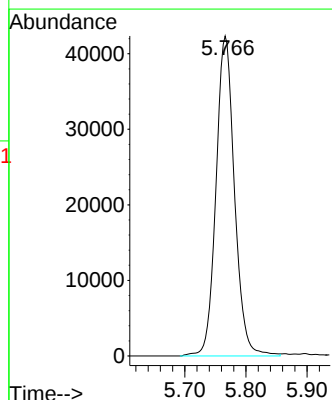
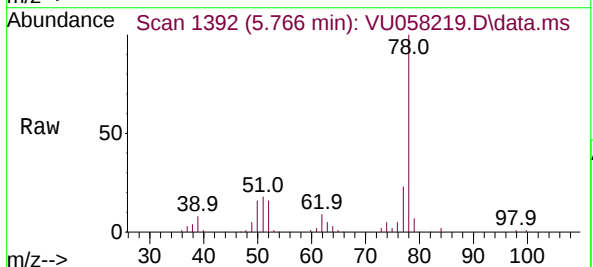
Instrument :
MSVOA_U
ClientSampleId :

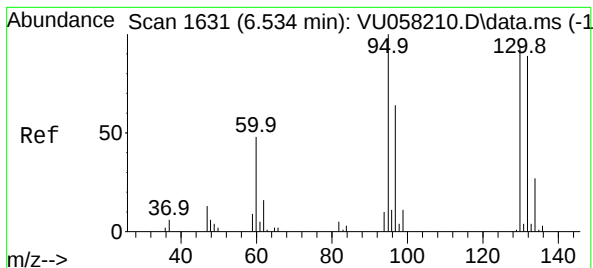
Tgt Ion:117 Resp: 28742
Ion Ratio Lower Upper
117 100
119 97.6 78.1 117.1



#33
Benzene
Concen: 5.015 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion: 78 Resp: 89111





#34

Trichloroethene

Concen: 4.996 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 23130

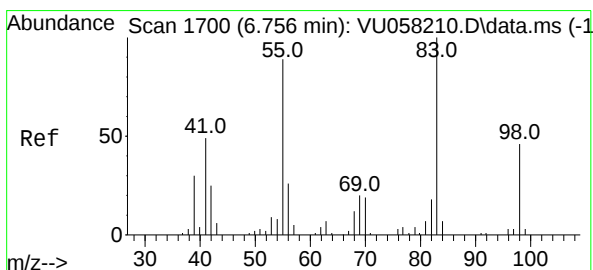
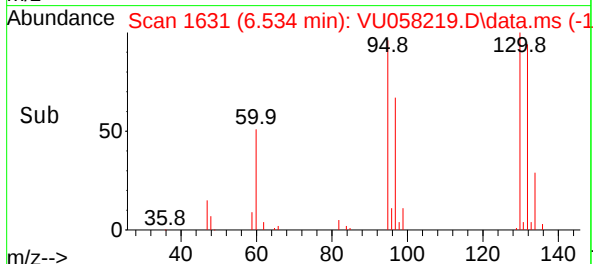
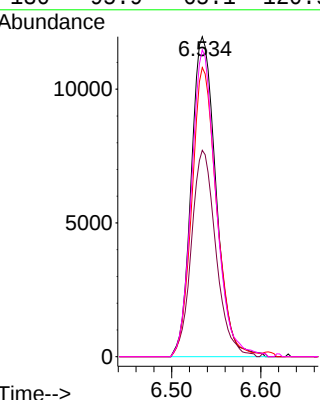
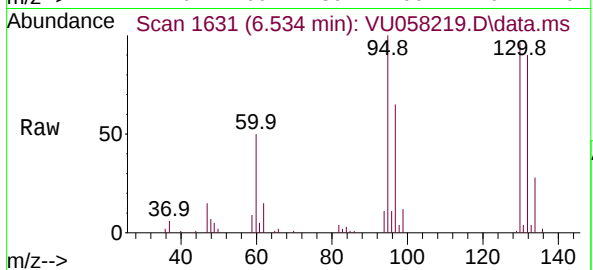
Ion Ratio Lower Upper

95 100

97 64.5 47.7 88.7

132 90.4 63.6 118.2

130 95.9 65.1 120.9



#35

Methylcyclohexane

Concen: 4.682 ug/L

RT: 6.753 min Scan# 1699

Delta R.T. -0.003 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

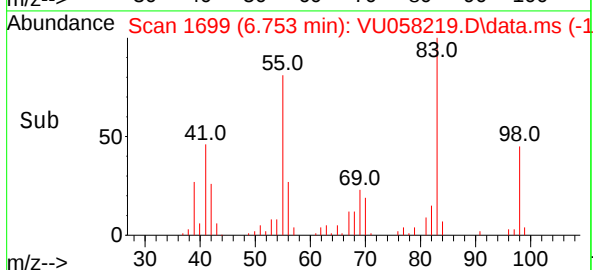
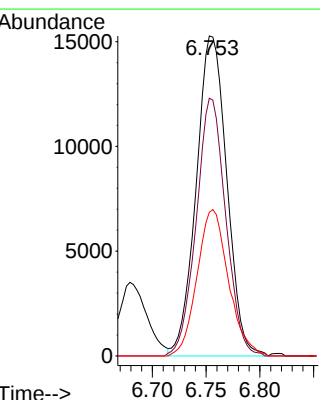
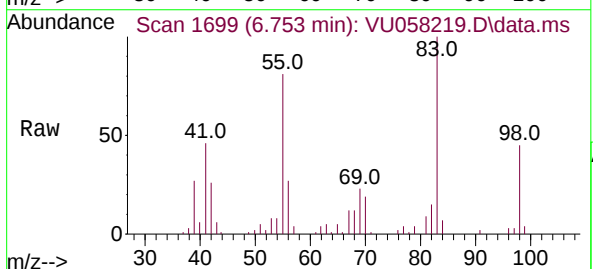
Tgt Ion: 83 Resp: 30231

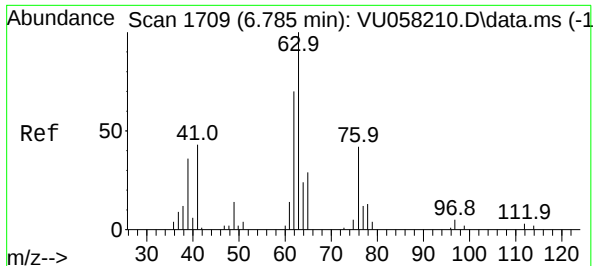
Ion Ratio Lower Upper

83 100

55 77.6 62.7 94.1

98 47.0 37.3 55.9

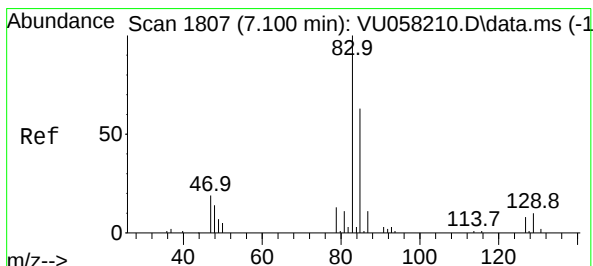
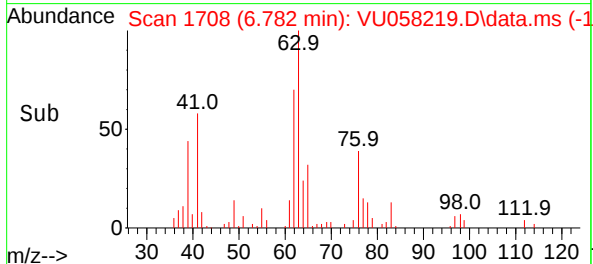
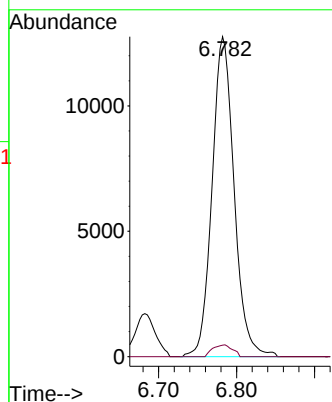
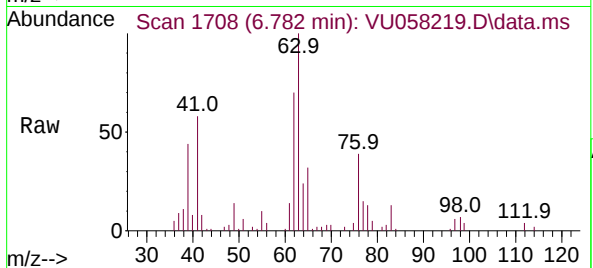




#37
1,2-Dichloropropane
Concen: 5.064 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

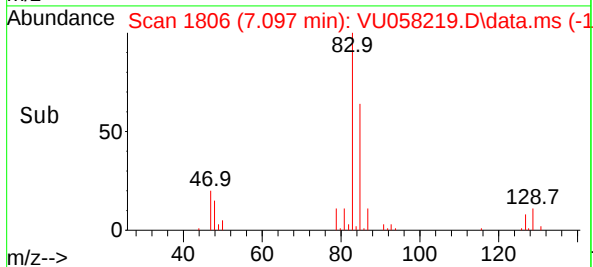
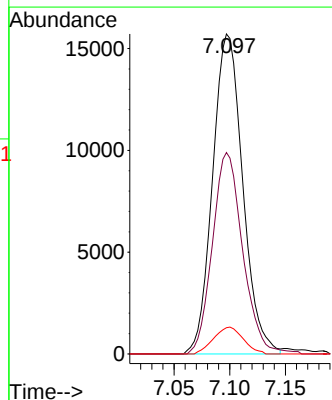
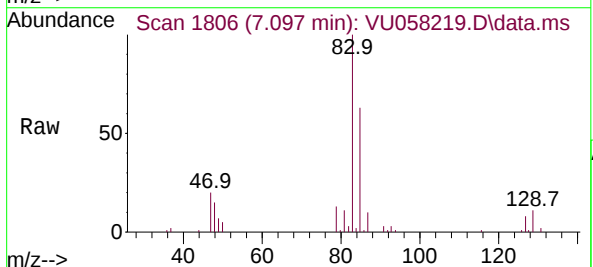
Instrument :
MSVOA_U
ClientSampleId :

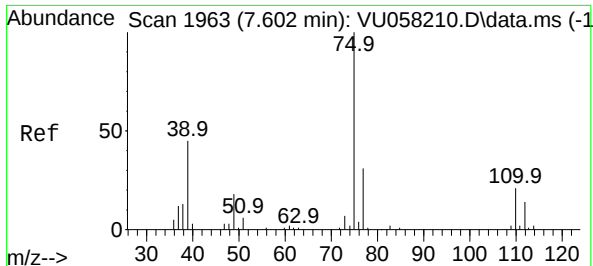
Tgt Ion: 63 Resp: 25138
Ion Ratio Lower Upper
63 100
112 3.3 2.7 4.1



#38
Bromodichloromethane
Concen: 5.199 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion: 83 Resp: 29582
Ion Ratio Lower Upper
83 100
85 63.0 45.6 84.8
127 9.1 7.1 10.7

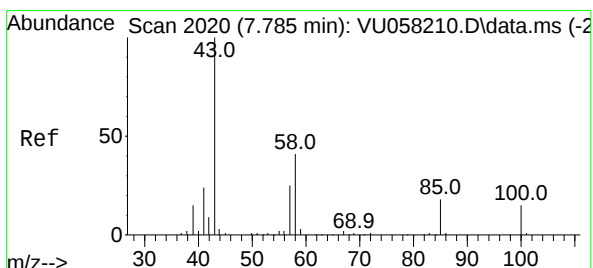
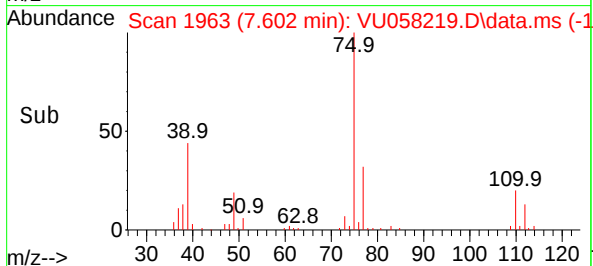
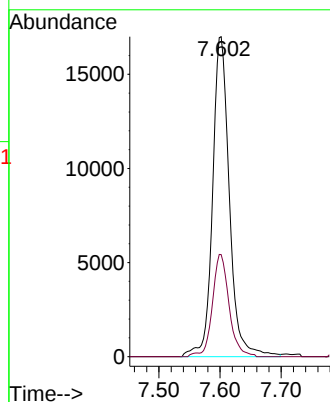
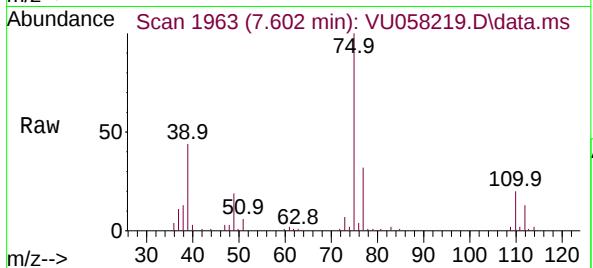




#39
cis-1,3-Dichloropropene
Concen: 5.162 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

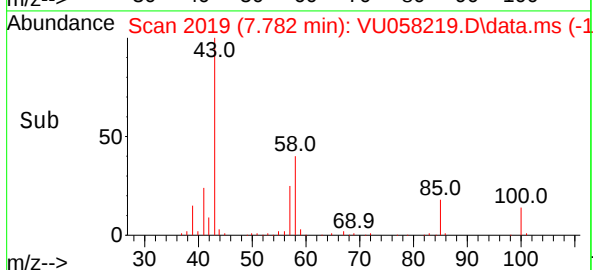
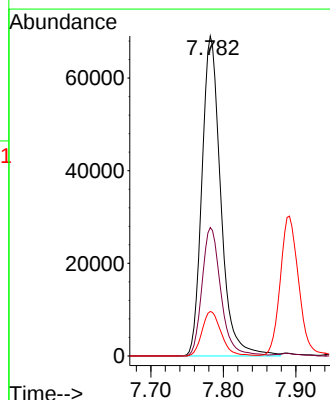
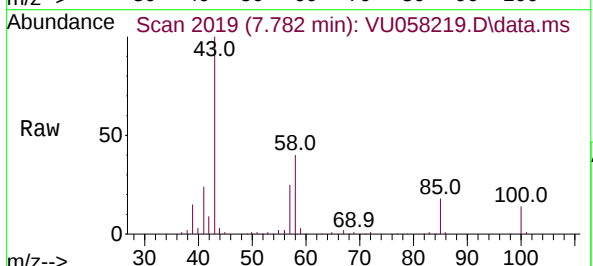
Instrument :
MSVOA_U
ClientSampleId :

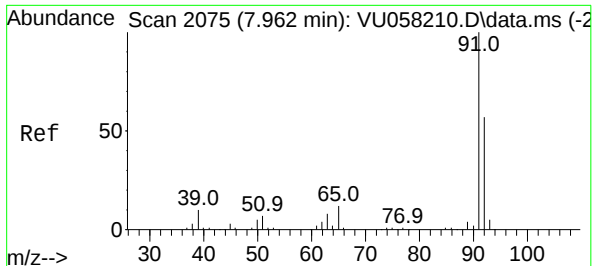
Tgt Ion: 75 Resp: 32499
Ion Ratio Lower Upper
75 100
77 31.9 21.4 39.8



#40
4-Methyl-2-pentanone
Concen: 49.712 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. -0.003 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion: 43 Resp: 124779
Ion Ratio Lower Upper
43 100
58 40.3 33.2 49.8
100 14.2 11.5 17.3





#42

Toluene

Concen: 5.084 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

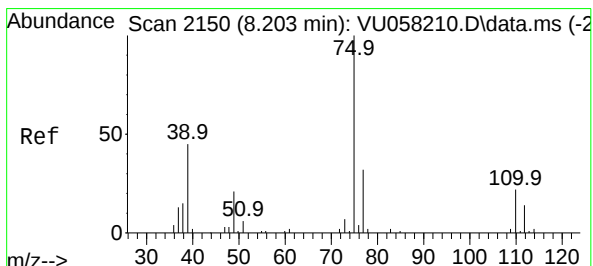
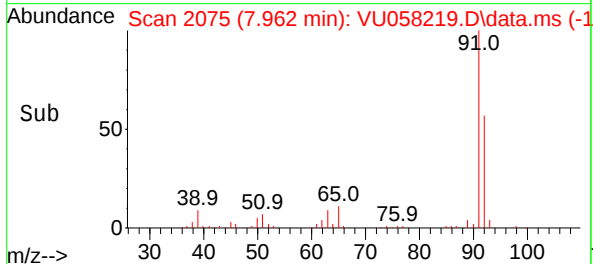
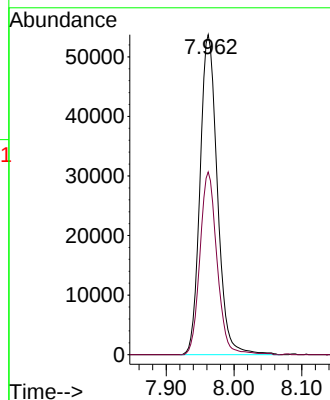
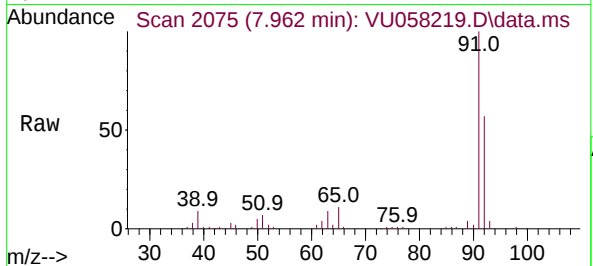
ClientSampleId :

Tgt Ion: 91 Resp: 95445

Ion Ratio Lower Upper

91 100

92 57.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.069 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU058219.D

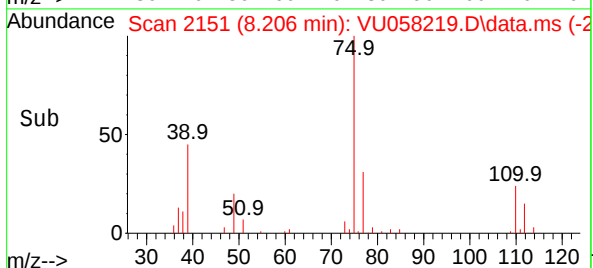
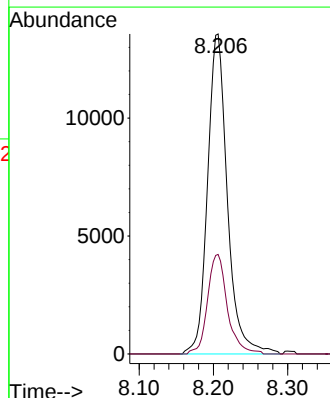
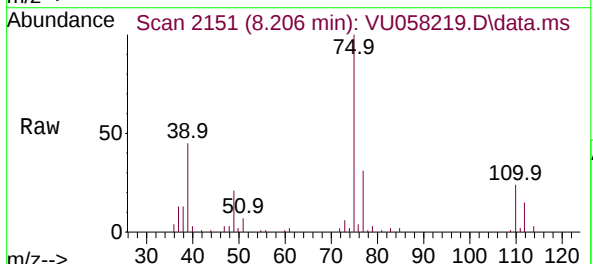
Acq: 25 Mar 2024 19:00

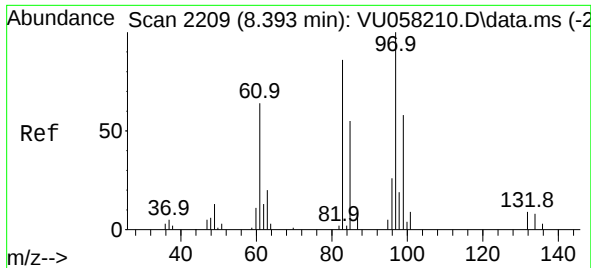
Tgt Ion: 75 Resp: 25112

Ion Ratio Lower Upper

75 100

77 31.1 21.7 40.3

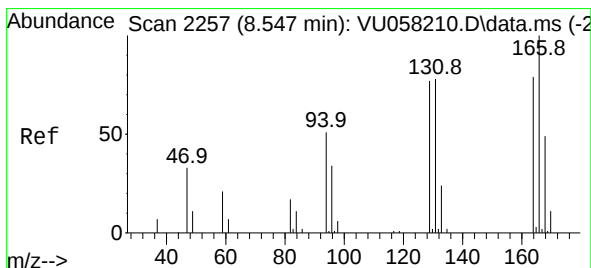
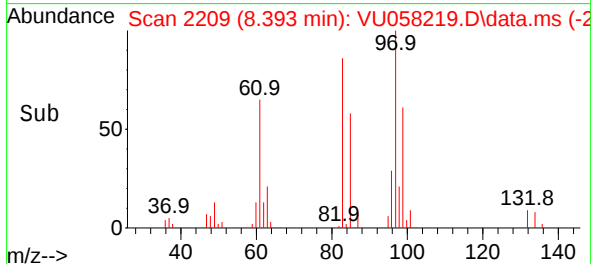
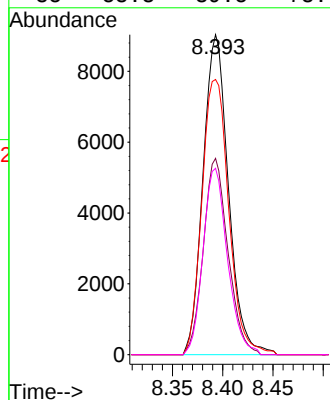
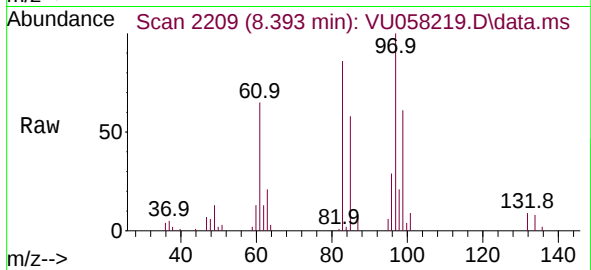




#45
1,1,2-Trichloroethane
Concen: 5.076 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

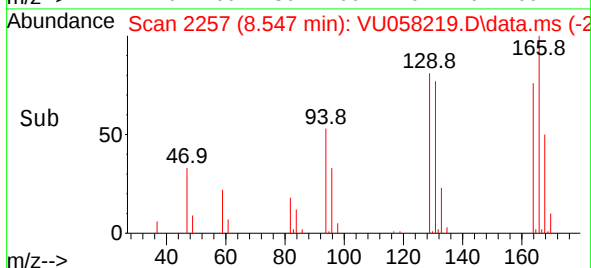
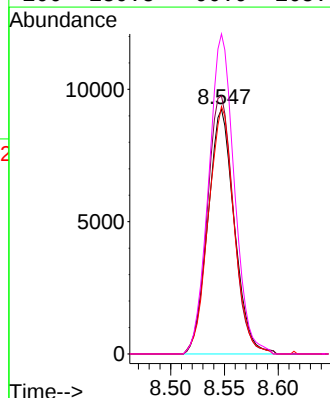
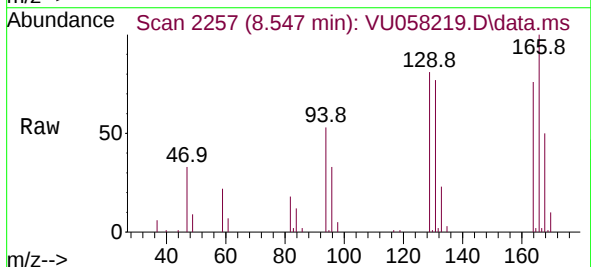
Instrument :
MSVOA_U
ClientSampleId :

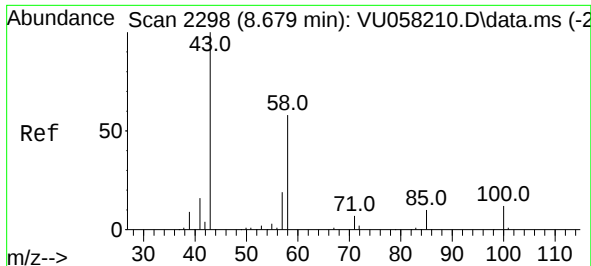
Tgt Ion: 97	Resp: 15871
Ion Ratio	Lower Upper
97 100	
99 61.3	44.5 82.7
83 86.0	64.1 119.1
85 58.3	39.5 73.4



#47
Tetrachloroethene
Concen: 5.093 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt	Ion:164	Resp:	15792
Ion	Ratio	Lower	Upper
164	100		
129	105.5	71.3	132.3
131	101.2	70.8	131.4
166	130.8	90.9	168.9





#48

2-Hexanone

Concen: 49.283 ug/L

RT: 8.676 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 90085

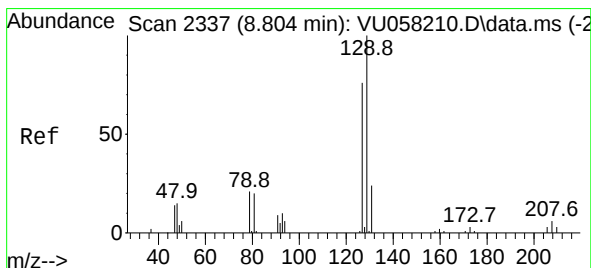
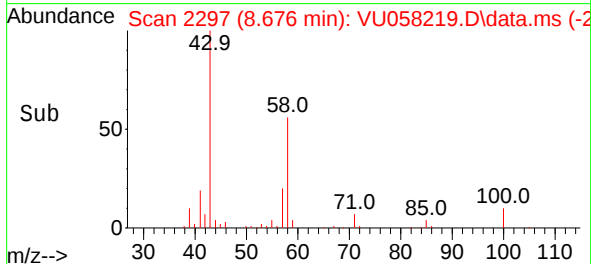
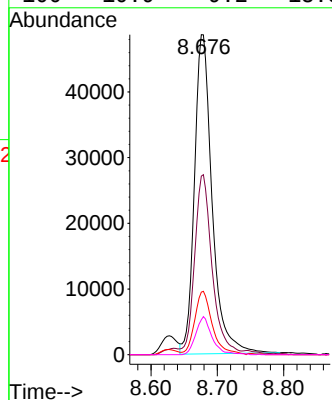
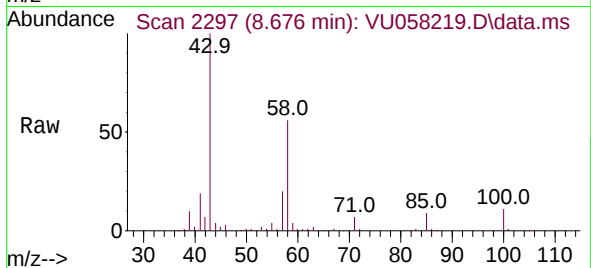
Ion Ratio Lower Upper

43 100

58 53.5 48.3 72.5

57 19.7 16.3 24.5

100 10.9 9.2 13.8



#49

Dibromochloromethane

Concen: 5.253 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.003 min

Lab File: VU058219.D

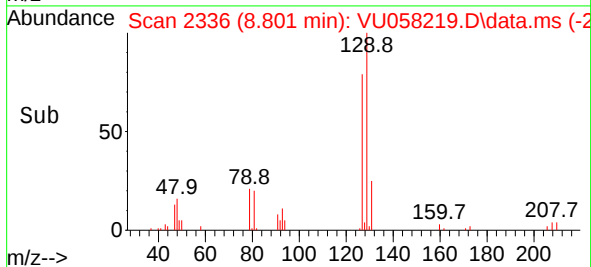
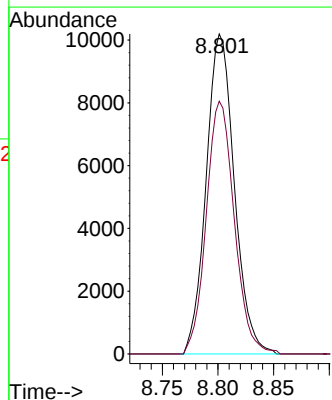
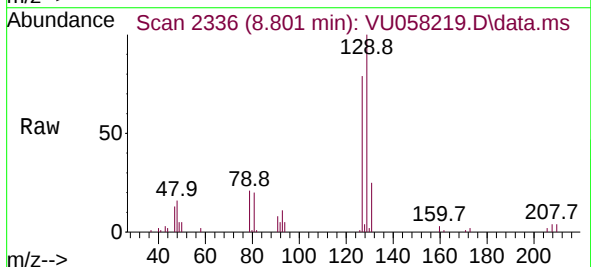
Acq: 25 Mar 2024 19:00

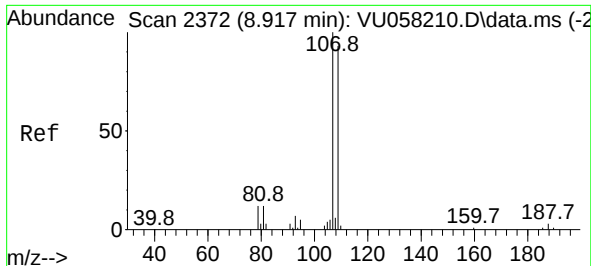
Tgt Ion: 129 Resp: 17972

Ion Ratio Lower Upper

129 100

127 79.0 55.7 103.5

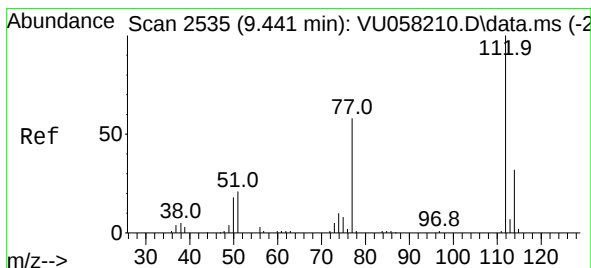
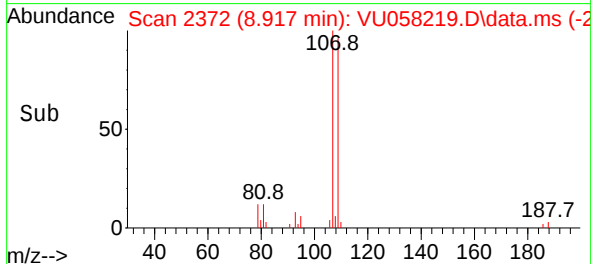
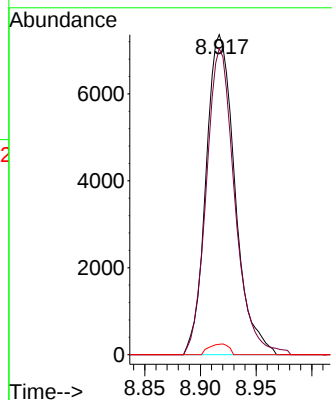
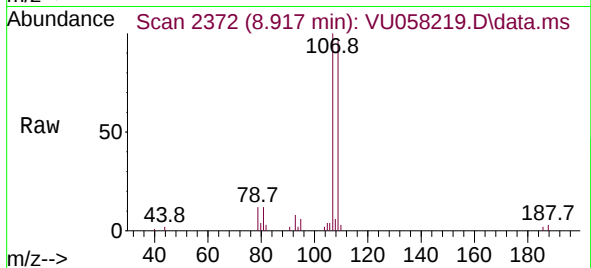




#50
1,2-Dibromoethane
Concen: 4.941 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

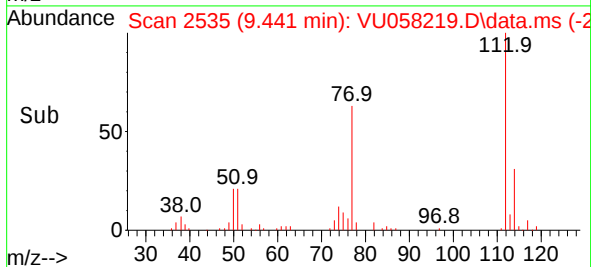
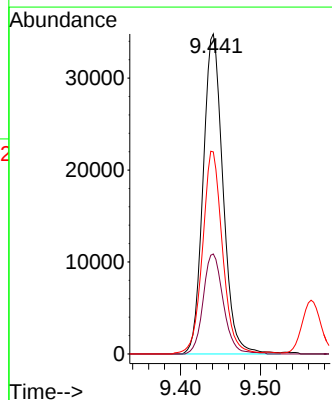
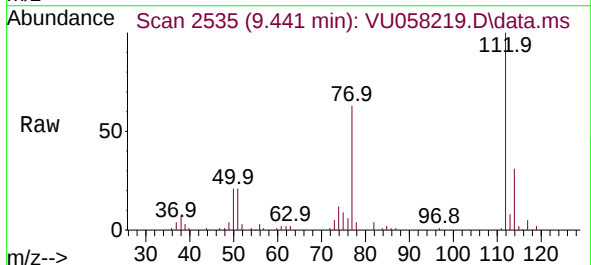
Instrument :
MSVOA_U
ClientSampleId :

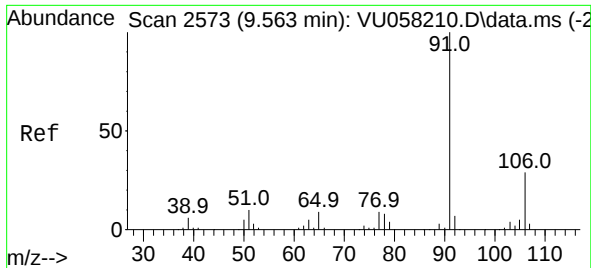
Tgt Ion:107 Resp: 13299
Ion Ratio Lower Upper
107 100
109 95.7 67.8 125.8
188 3.3 2.5 3.7



#51
Chlorobenzene
Concen: 4.981 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion:112 Resp: 60253
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.3
77 63.2 48.9 73.3

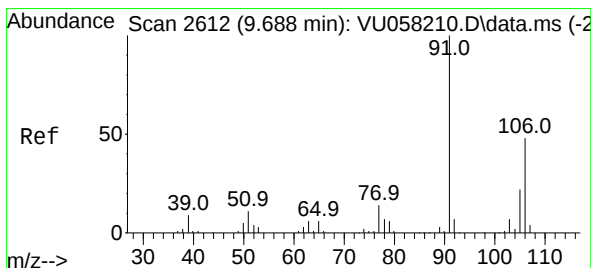
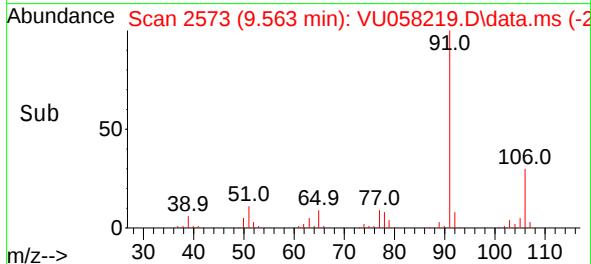
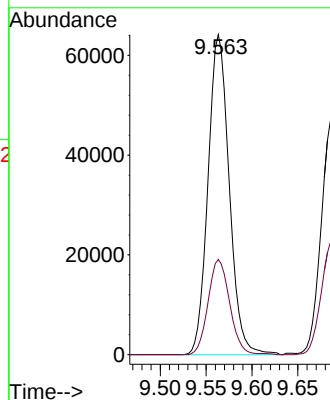
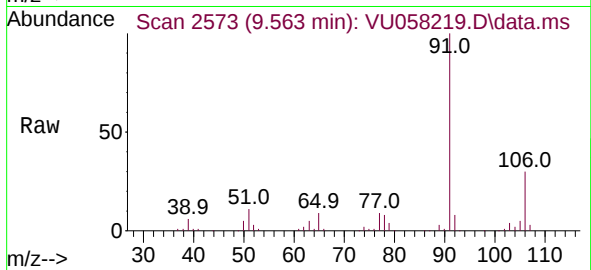




#52
Ethylbenzene
Concen: 4.917 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

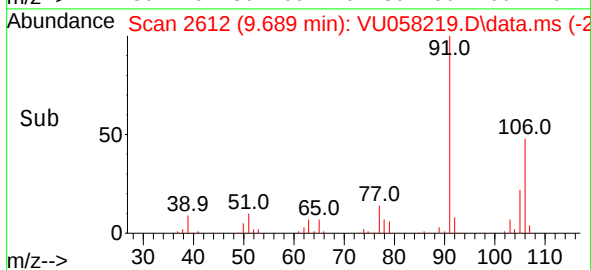
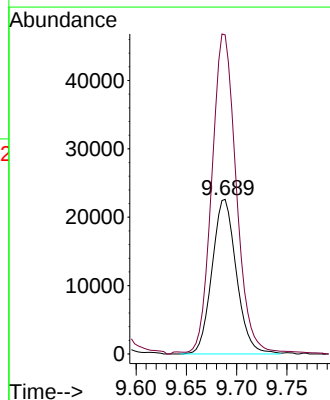
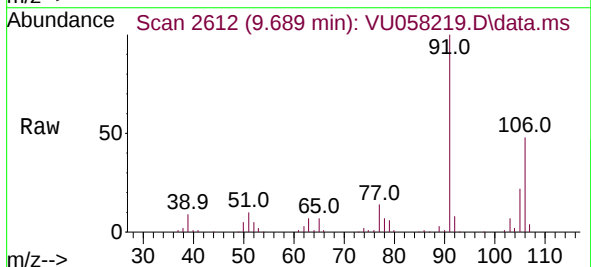
Instrument :
MSVOA_U
ClientSampleId :

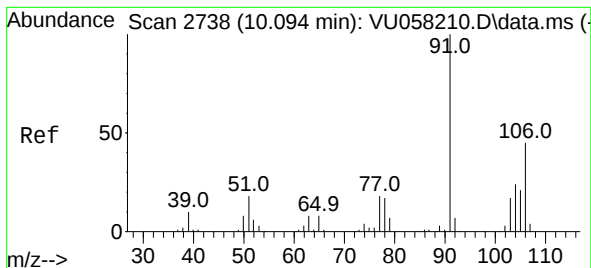
Tgt Ion: 91 Resp: 103085
Ion Ratio Lower Upper
91 100
106 29.8 20.6 38.2



#53
m,p-Xylene
Concen: 5.105 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion:106 Resp: 38134
Ion Ratio Lower Upper
106 100
91 206.4 151.0 280.4





#54

o-Xylene

Concen: 4.944 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

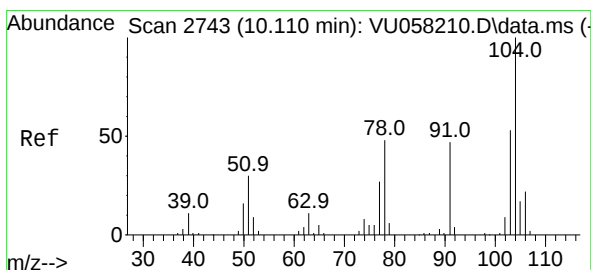
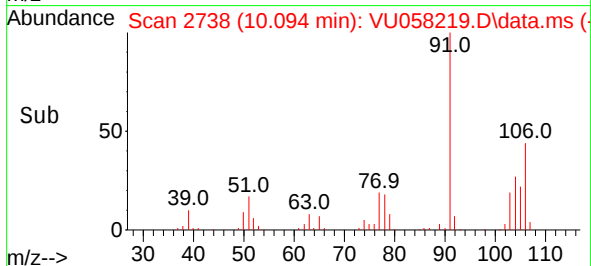
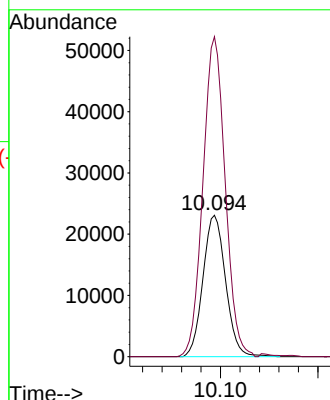
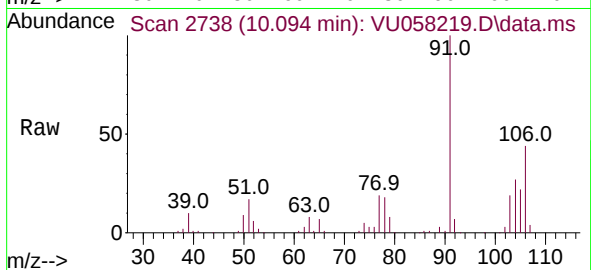
ClientSampleId :

Tgt Ion:106 Resp: 37279

Ion Ratio Lower Upper

106 100

91 226.2 154.3 286.7



#55

Styrene

Concen: 5.142 ug/L

RT: 10.107 min Scan# 2742

Delta R.T. -0.003 min

Lab File: VU058219.D

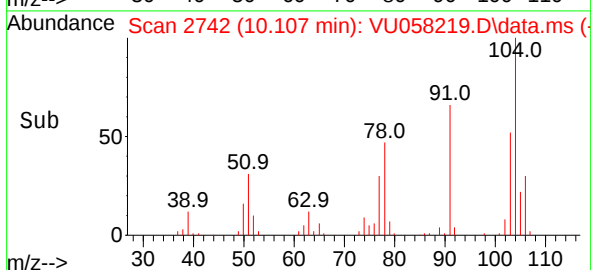
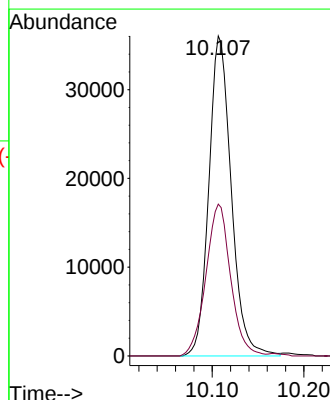
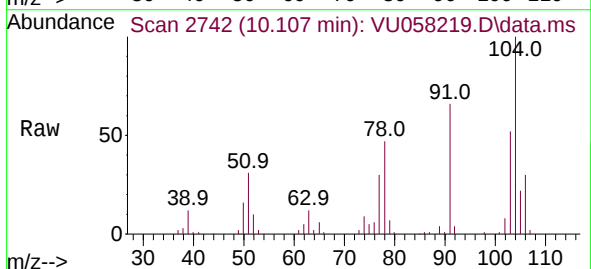
Acq: 25 Mar 2024 19:00

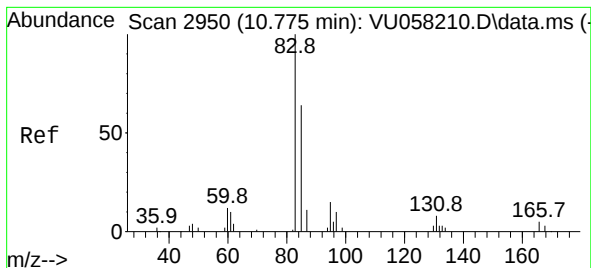
Tgt Ion:104 Resp: 61216

Ion Ratio Lower Upper

104 100

78 47.5 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.189 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :

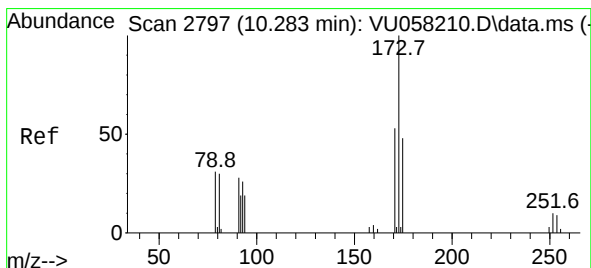
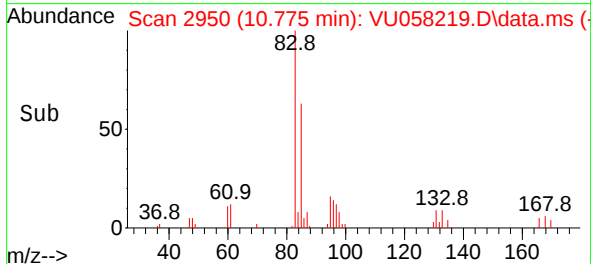
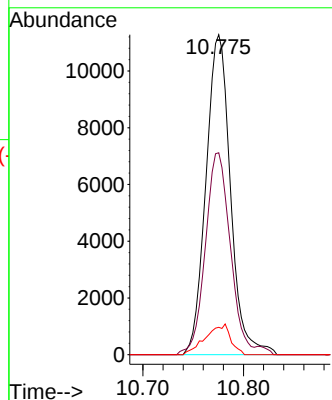
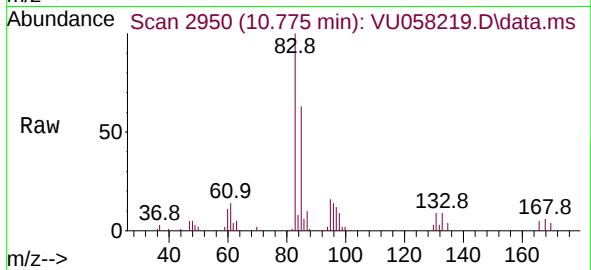
Tgt Ion: 83 Resp: 19122

Ion Ratio Lower Upper

83 100

85 63.1 44.7 82.9

131 8.5 7.0 10.6



#59

Bromoform

Concen: 5.247 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

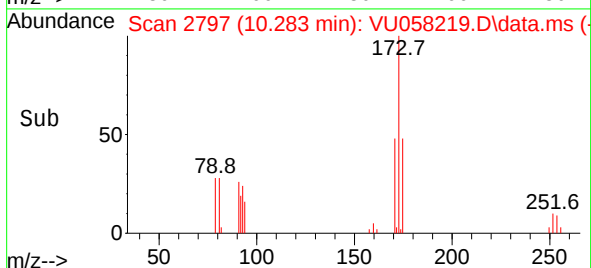
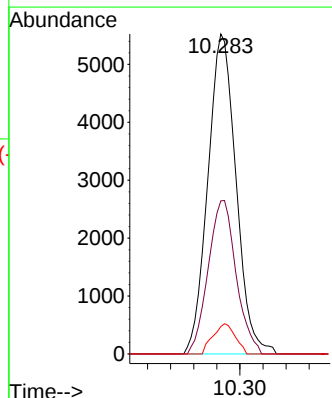
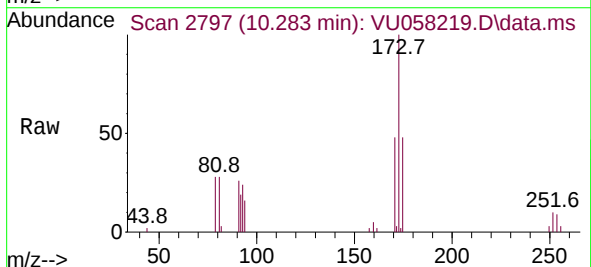
Tgt Ion:173 Resp: 9356

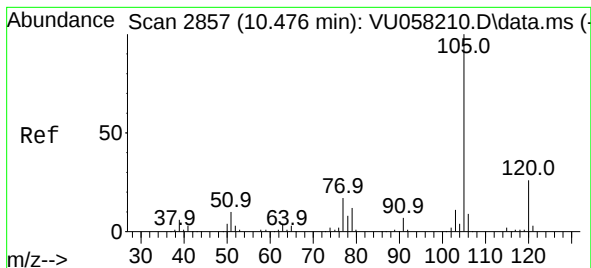
Ion Ratio Lower Upper

173 100

175 47.5 40.9 61.3

254 7.4 5.8 8.8





#60

Isopropylbenzene

Concen: 4.747 ug/L

RT: 10.476 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU058219.D

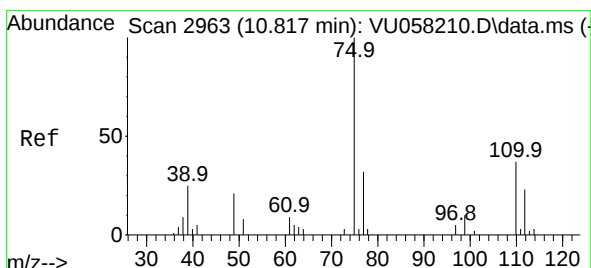
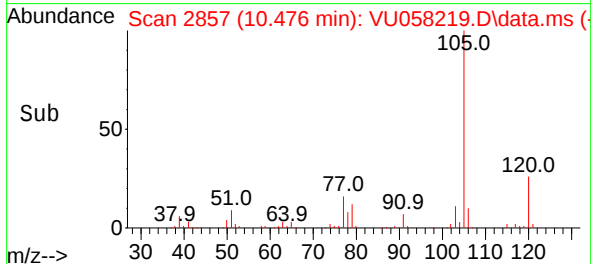
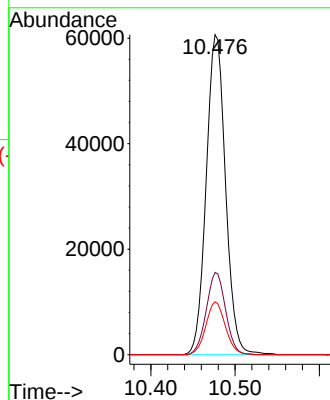
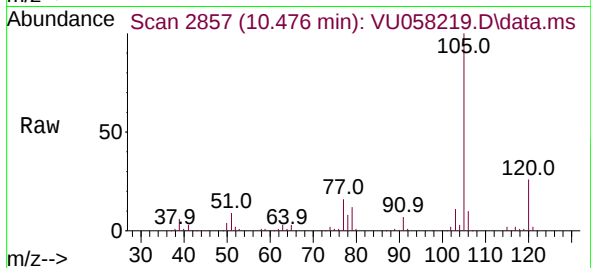
Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	96824
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7
77	16.7	13.2	19.8



#61

1,2,3-Trichloropropane

Concen: 4.888 ug/L

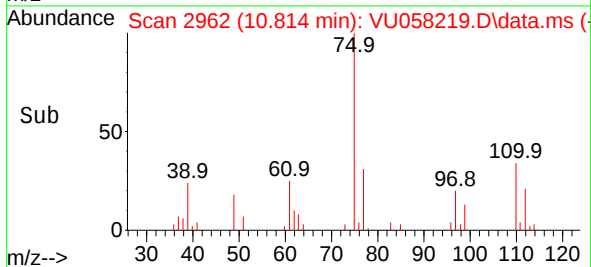
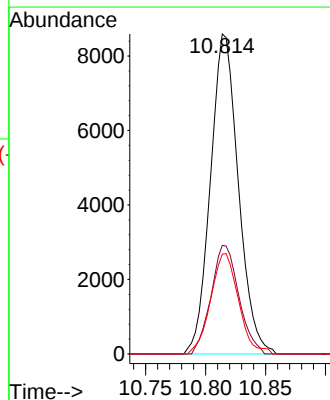
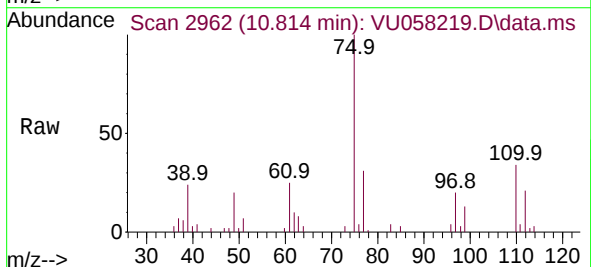
RT: 10.814 min Scan# 2962

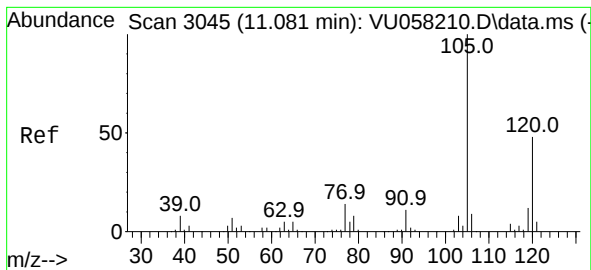
Delta R.T. -0.003 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Tgt Ion:	75	Resp:	13896
Ion	Ratio	Lower	Upper
75	100		
110	33.7	28.1	42.1
77	31.2	25.1	37.7





#62

1,3,5-Trimethylbenzene

Concen: 4.659 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

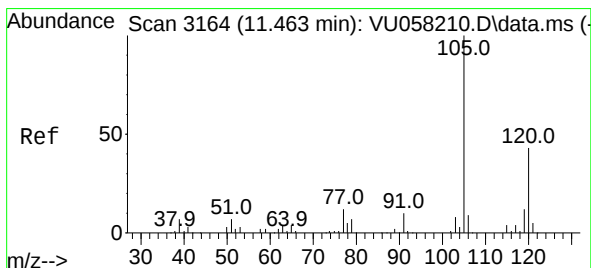
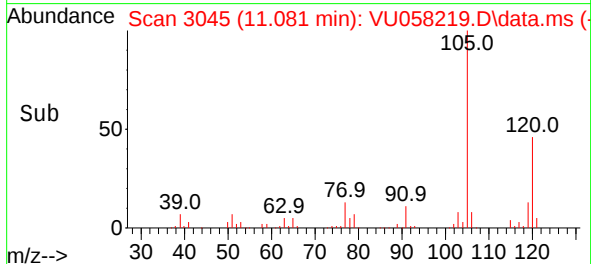
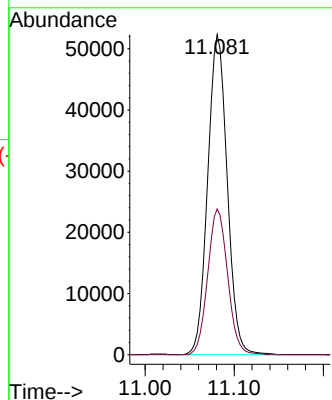
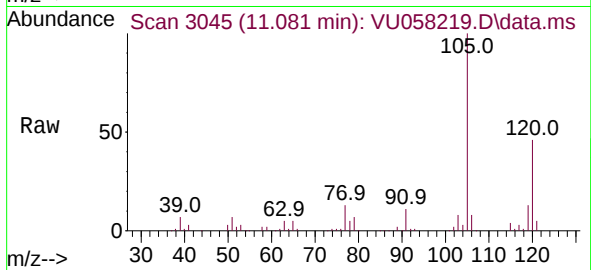
ClientSampleId :

Tgt Ion:105 Resp: 79750

Ion Ratio Lower Upper

105 100

120 46.4 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.666 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU058219.D

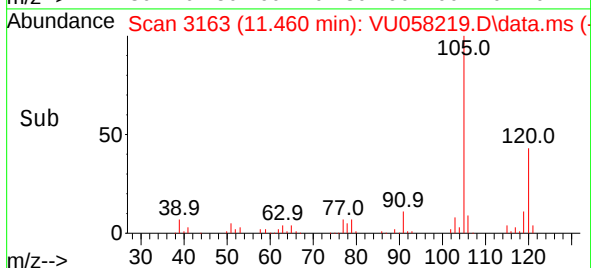
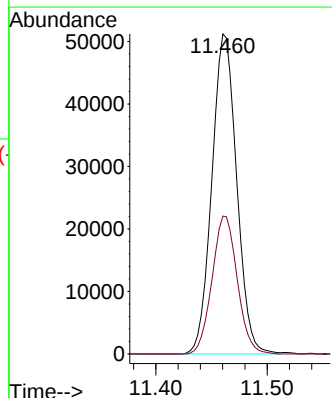
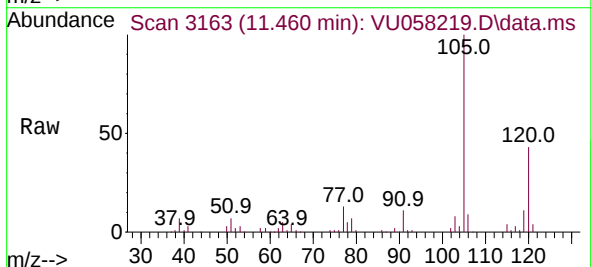
Acq: 25 Mar 2024 19:00

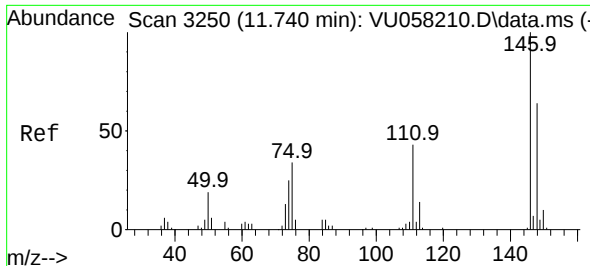
Tgt Ion:105 Resp: 79318

Ion Ratio Lower Upper

105 100

120 43.7 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 4.791 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :

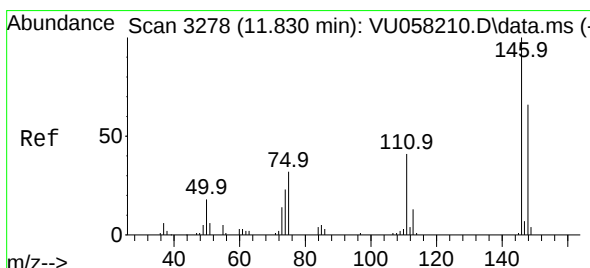
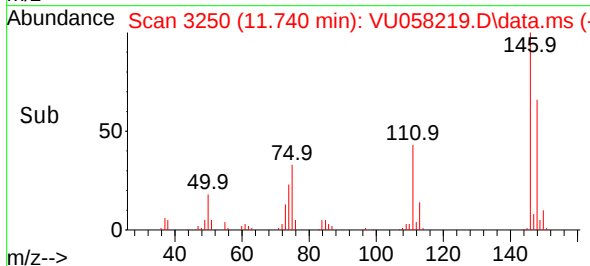
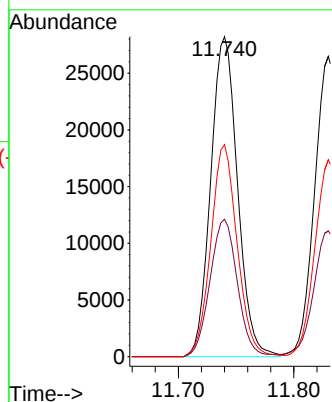
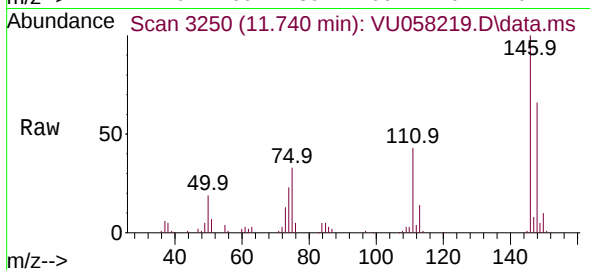
Tgt Ion:146 Resp: 45510

Ion Ratio Lower Upper

146 100

111 42.9 29.9 55.5

148 66.3 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 4.826 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

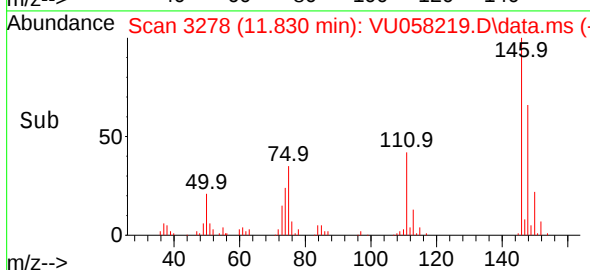
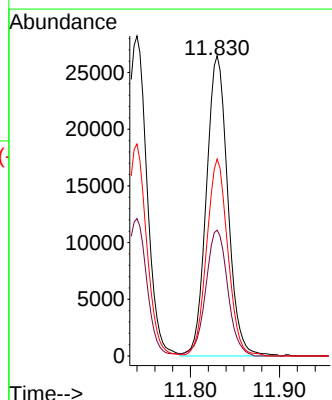
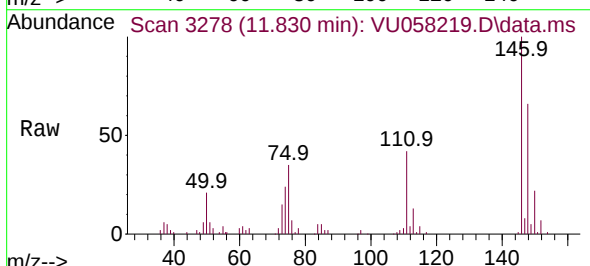
Tgt Ion:146 Resp: 44302

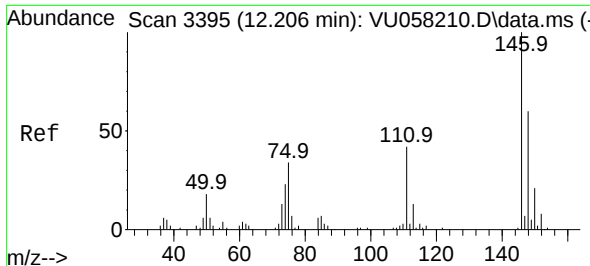
Ion Ratio Lower Upper

146 100

111 41.9 29.0 53.8

148 65.6 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.791 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :

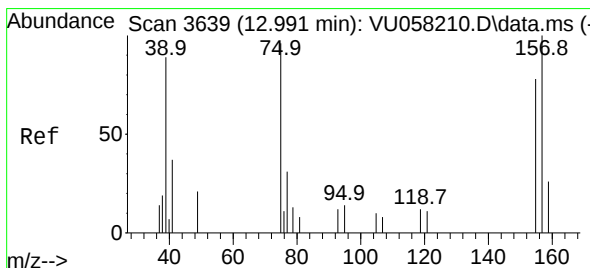
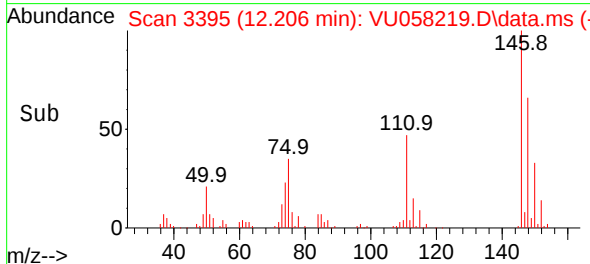
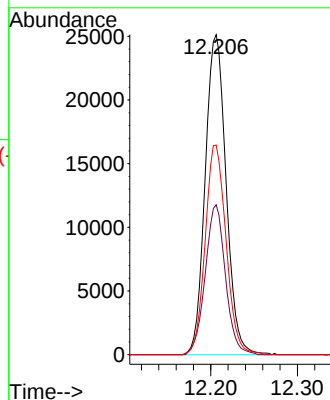
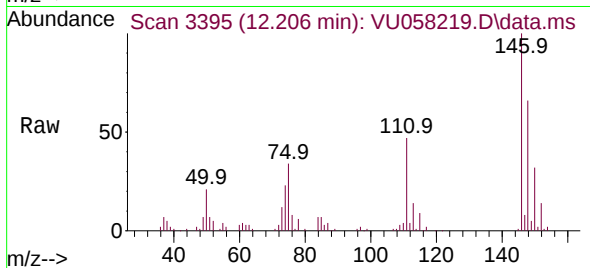
Tgt Ion:146 Resp: 42080

Ion Ratio Lower Upper

146 100

111 46.9 35.9 53.9

148 65.5 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.794 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

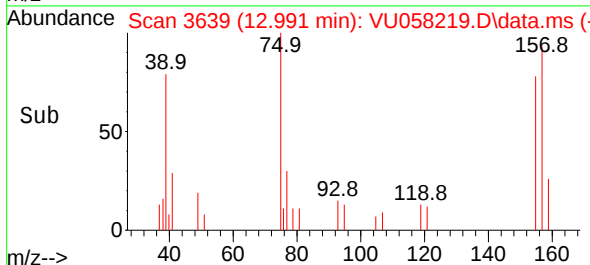
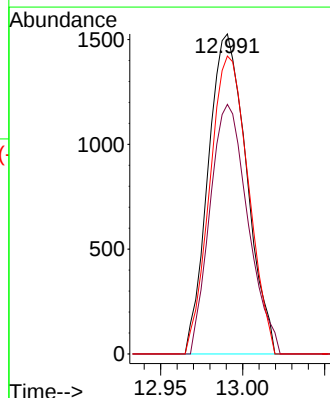
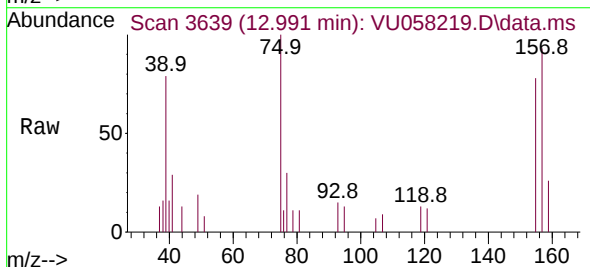
Tgt Ion: 75 Resp: 2484

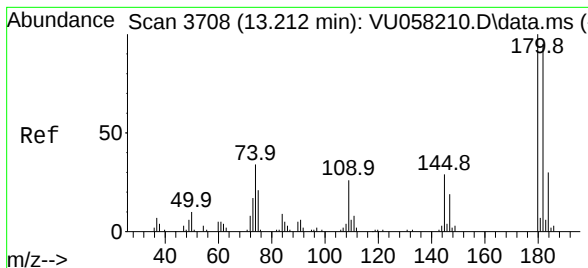
Ion Ratio Lower Upper

75 100

155 78.0 60.2 90.2

157 93.1 82.6 123.8





#69

1,3,5-Trichlorobenzene

Concen: 4.848 ug/L

RT: 13.213 min Scan# 31

Delta R.T. 0.000 min

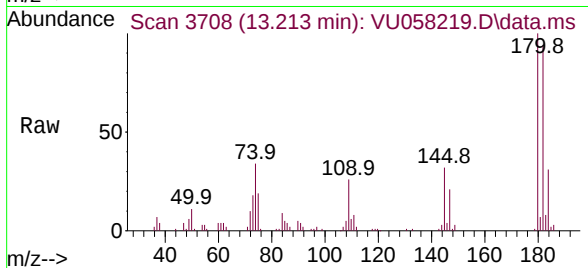
Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 32198

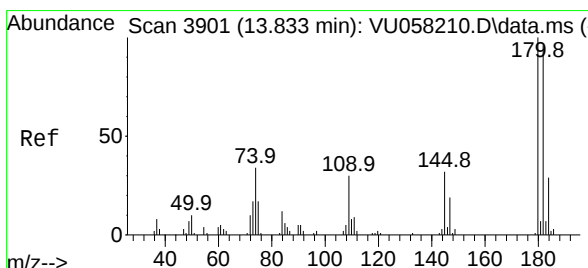
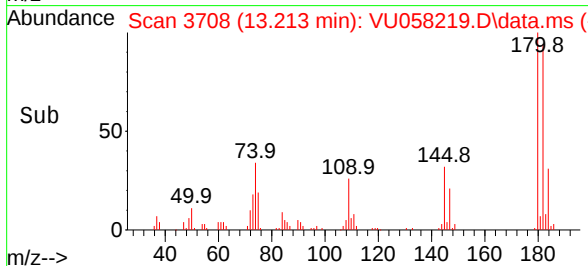
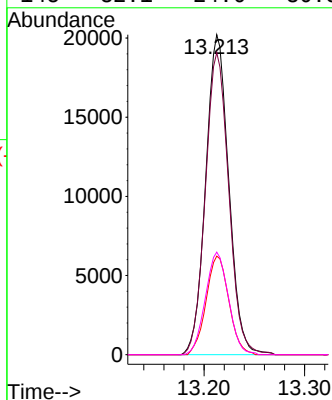
Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.0

184 30.4 24.8 37.2

145 32.1 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 4.707 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU058219.D

Acq: 25 Mar 2024 19:00

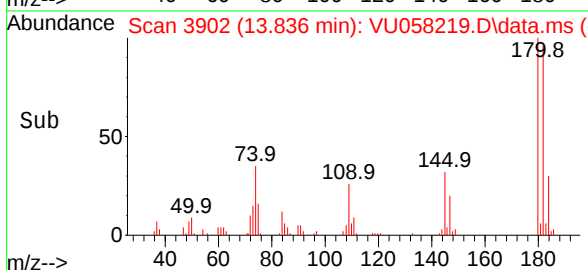
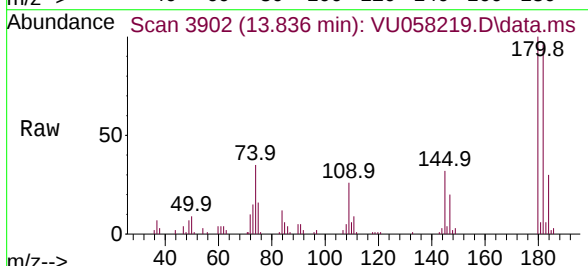
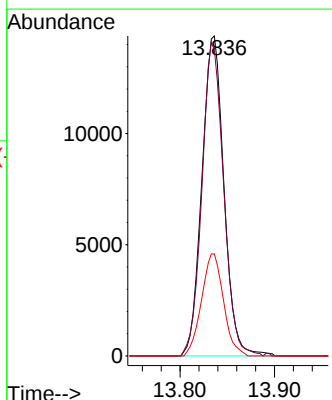
Tgt Ion:180 Resp: 23319

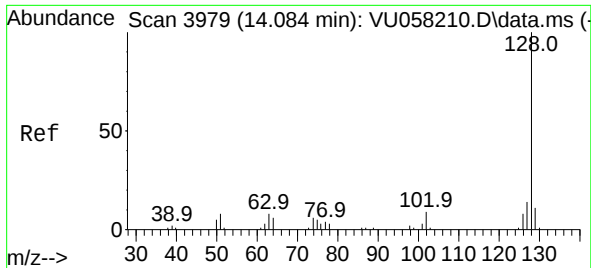
Ion Ratio Lower Upper

180 100

182 96.3 74.5 111.7

145 31.8 24.5 36.7

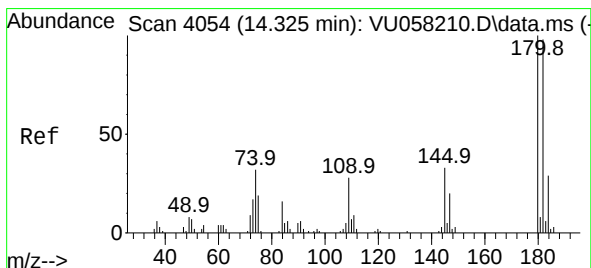
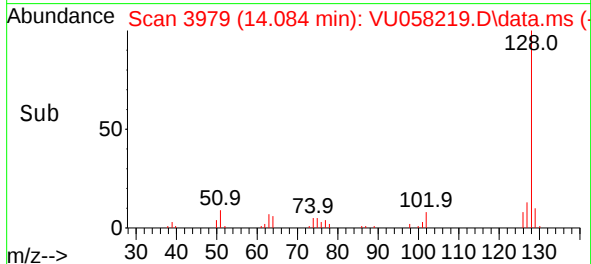
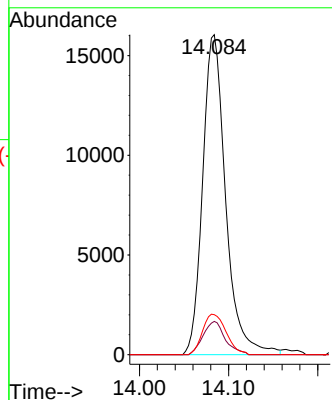
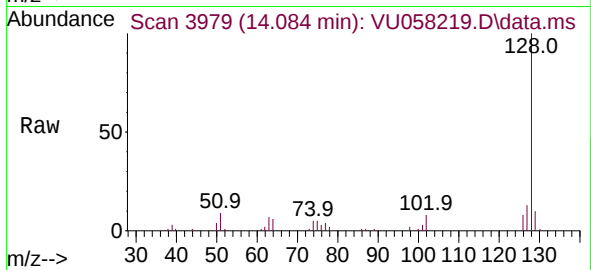




#71
Naphthalene
Concen: 4.263 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 28761
Ion Ratio Lower Upper
128 100
129 10.0 8.1 12.1
127 13.0 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.795 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU058219.D
Acq: 25 Mar 2024 19:00

Tgt Ion:180 Resp: 19452
Ion Ratio Lower Upper
180 100
182 93.4 74.4 111.6
145 32.8 26.3 39.5

