

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031324\
 Data File : VU058090.D
 Acq On : 13 Mar 2024 18:42
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 14 04:42:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 14 04:37:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	137560	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	129765	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	66080	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	32161	3.249	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.000%
7) Chloroethane-d5	1.904	69	32301	3.971	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.560	65	15281	3.568	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.400%
20) 2-Butanone-d5	4.608	46	94435	57.909	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.820%
24) Chloroform-d	5.052	84	88753	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
26) 1,2-Dichloroethane-d4	5.692	65	41536	4.897	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.721	84	166435	4.401	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.682	67	55092	4.792	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.891	98	147617	4.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	8.174	79	17212	4.354	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.000%
46) 2-Hexanone-d5	8.624	63	79607	59.976	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.960%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	37542	5.325	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	50768	4.665	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	37554	4.506	ug/L	100
3) Chloromethane	1.515	50	44336	4.549	ug/L	98
5) Vinyl chloride	1.599	62	49207	4.694	ug/L	100
6) Bromomethane	1.849	94	26006	4.710	ug/L	99
8) Chloroethane	1.927	64	32554	4.931	ug/L	95
9) Trichlorofluoromethane	2.132	101	72252	4.838	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	45809	4.906	ug/L	99
12) 1,1-Dichloroethene	2.573	96	40820	4.918	ug/L	85
13) Acetone	2.612	43	54669	45.047	ug/L	95
14) Carbon disulfide	2.785	76	111040	4.326	ug/L	100
15) Methyl Acetate	2.943	43	13267	4.926	ug/L	96
16) Methylene chloride	3.033	84	48978	4.855	ug/L	98
17) Methyl tert-butyl Ether	3.351	73	99653	5.077	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	44488	4.921	ug/L	92
19) 1,1-Dichloroethane	3.856	63	93228	5.169	ug/L	97
21) 2-Butanone	4.689	43	92878	48.570	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	50156	5.043	ug/L	98
23) Bromochloromethane	4.965	128	20160	5.459	ug/L	97
25) Chloroform	5.074	83	95885	5.208	ug/L	99

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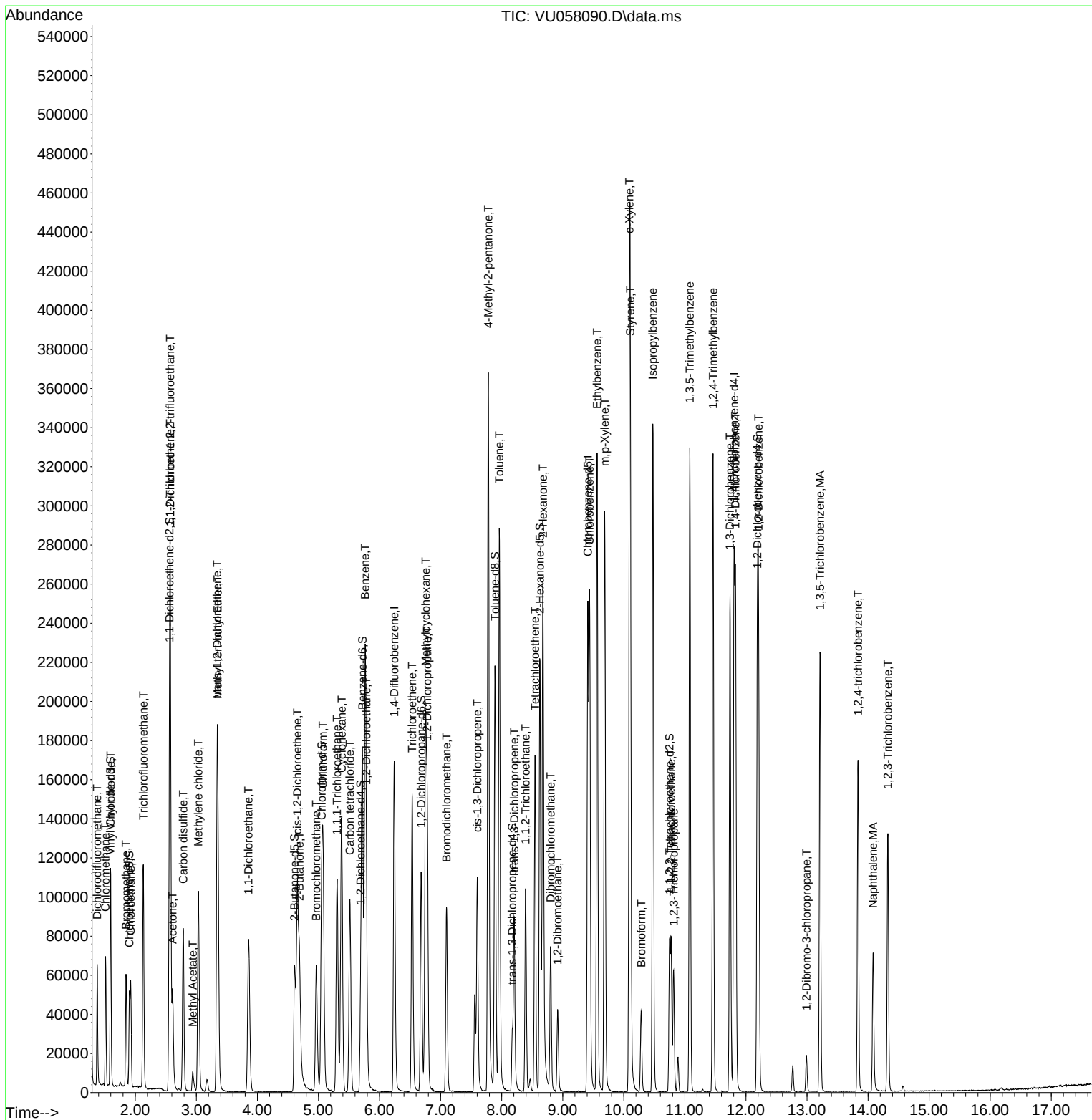
Instrument :
 MSVOA_U
 ClientSampleId :

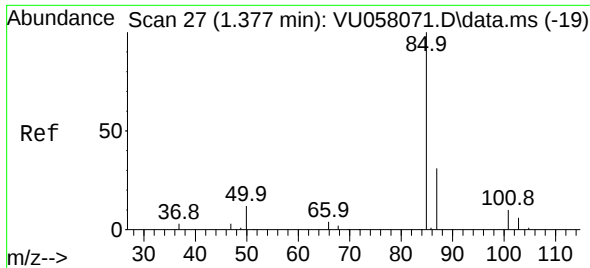
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	54079	5.305	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	77932	5.046	ug/L	98
30) Cyclohexane	5.380	56	71536	4.587	ug/L	99
31) Carbon tetrachloride	5.515	117	67131	5.002	ug/L	98
33) Benzene	5.766	78	200983	5.047	ug/L	100
34) Trichloroethene	6.537	95	54302	5.183	ug/L	98
35) Methylcyclohexane	6.756	83	73982	4.606	ug/L	97
37) 1,2-Dichloropropane	6.782	63	51741	5.039	ug/L	99
38) Bromodichloromethane	7.097	83	63293	5.081	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	68618	4.850	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	244092	51.676	ug/L	99
42) Toluene	7.962	91	210505	5.076	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	53858	4.777	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	31554	5.183	ug/L	98
47) Tetrachloroethene	8.547	164	35399	4.870	ug/L	97
48) 2-Hexanone	8.676	43	171001	49.365	ug/L	99
49) Dibromochloromethane	8.801	129	36518	5.067	ug/L	98
50) 1,2-Dibromoethane	8.917	107	28548	5.283	ug/L	91
51) Chlorobenzene	9.441	112	131589	5.060	ug/L	97
52) Ethylbenzene	9.563	91	230005	4.956	ug/L	100
53) m,p-Xylene	9.688	106	82312	4.965	ug/L	99
54) o-Xylene	10.094	106	83535	5.055	ug/L	98
55) Styrene	10.110	104	134759	5.196	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	38466	5.363	ug/L	96
59) Bromoform	10.286	173	18361	4.982	ug/L	99
60) Isopropylbenzene	10.476	105	213966	4.862	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	27259	5.036	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	179609	4.839	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	178344	4.868	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	97245	4.861	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	93912	4.796	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	86349	4.944	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	4997	4.653	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	66673	4.633	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	48537	4.489	ug/L	97
71) Naphthalene	14.084	128	59609	4.037	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	38389	4.495	ug/L	98

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

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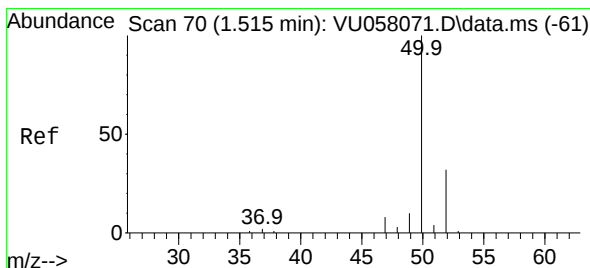
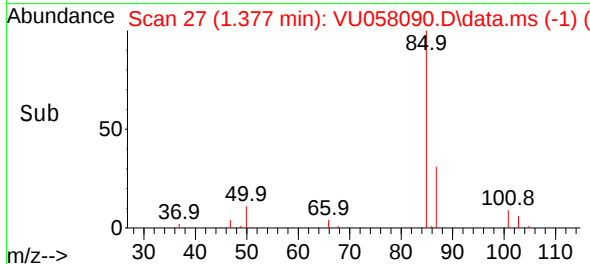
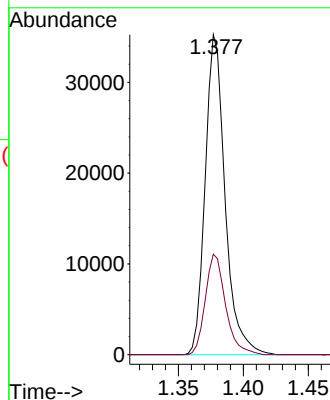
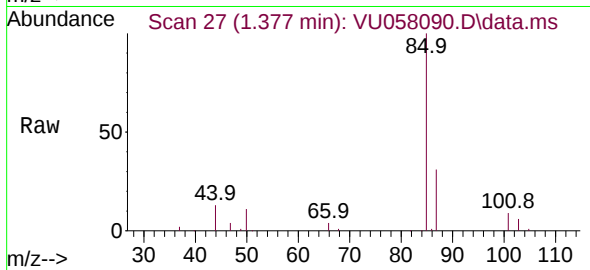




#2
 Dichlorodifluoromethane
 Concen: 4.506 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU058090.D
 Acq: 13 Mar 2024 18:42

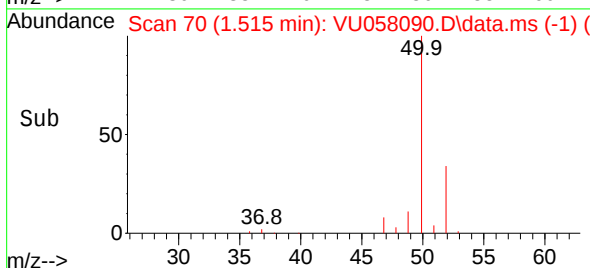
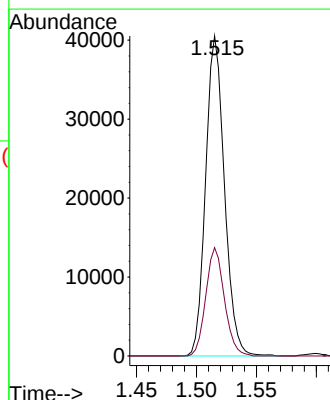
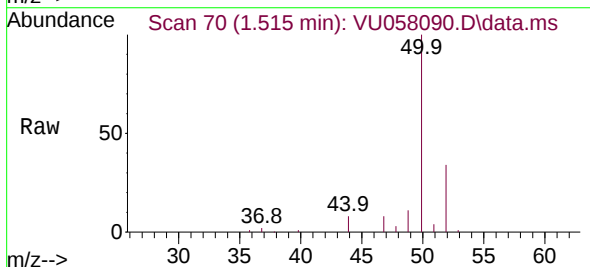
Instrument :
 MSVOA_U
 ClientSampleId :

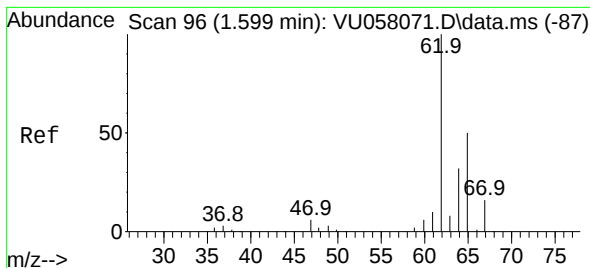
Tgt Ion: 85 Resp: 37554
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.6



#3
 Chloromethane
 Concen: 4.549 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU058090.D
 Acq: 13 Mar 2024 18:42

Tgt Ion: 50 Resp: 44336
 Ion Ratio Lower Upper
 50 100
 52 33.9 23.1 42.9





#5

Vinyl chloride

Concen: 4.694 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

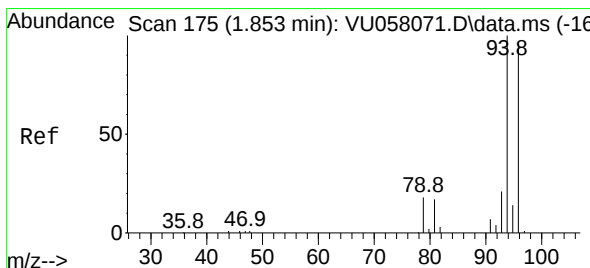
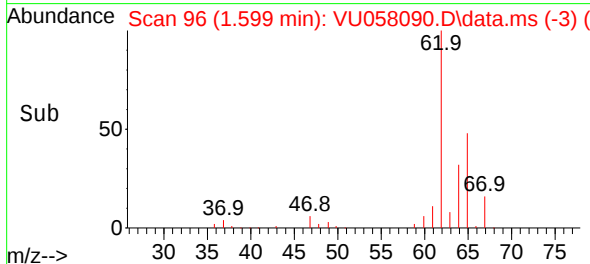
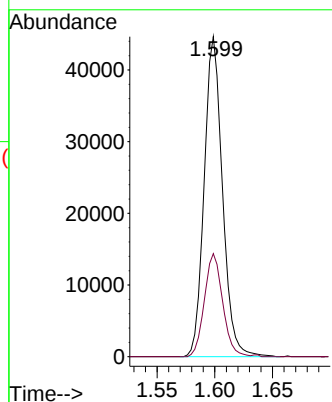
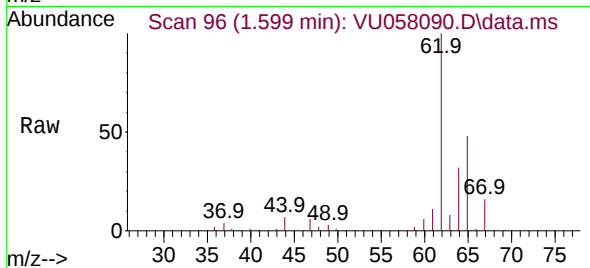
ClientSampleId :

Tgt Ion: 62 Resp: 49207

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



#6

Bromomethane

Concen: 4.710 ug/L

RT: 1.849 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU058090.D

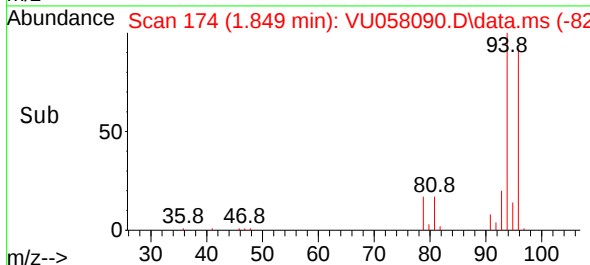
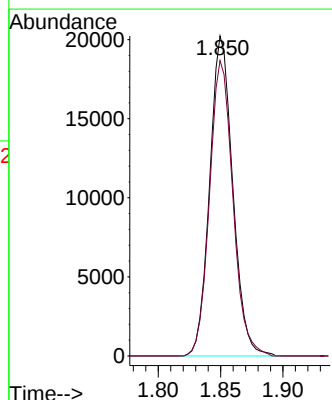
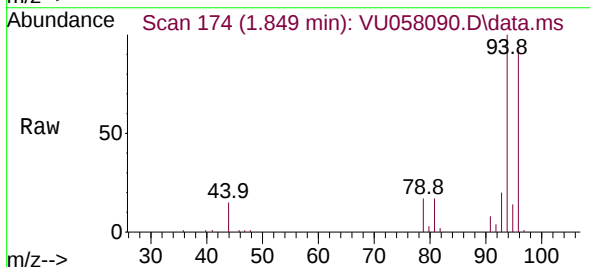
Acq: 13 Mar 2024 18:42

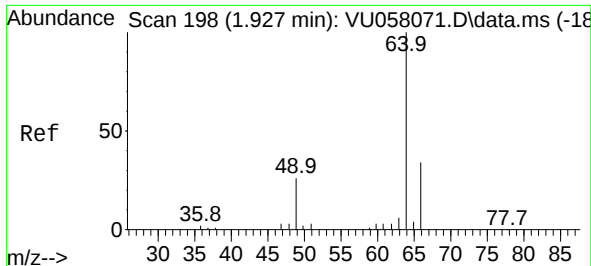
Tgt Ion: 94 Resp: 26006

Ion Ratio Lower Upper

94 100

96 92.3 65.2 121.2

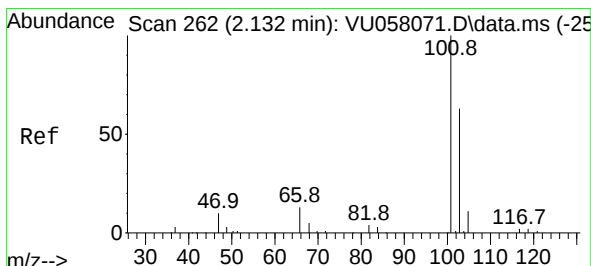
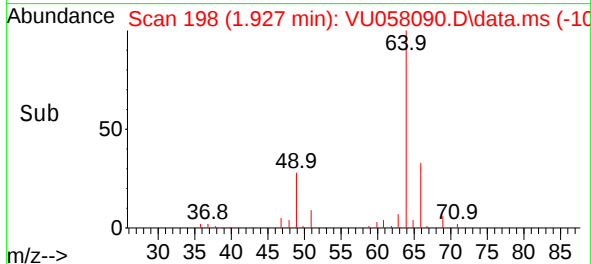
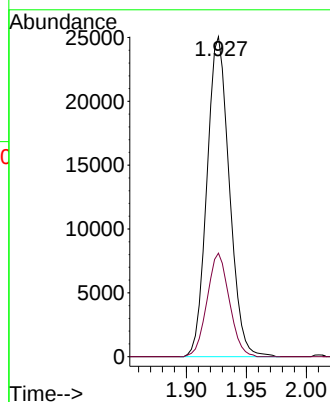
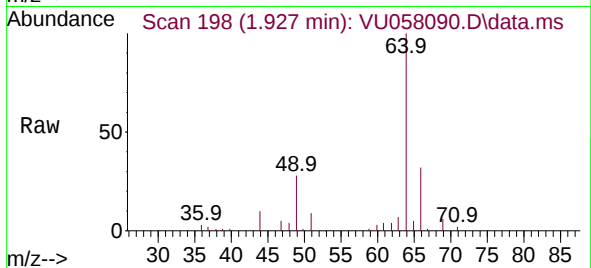




#8
Chloroethane
Concen: 4.931 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

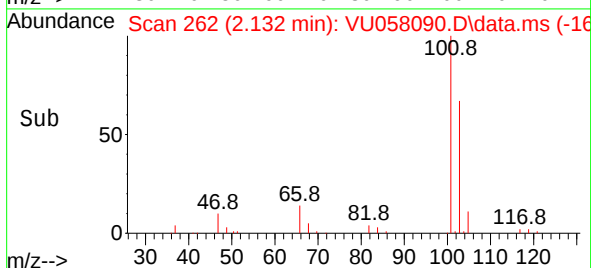
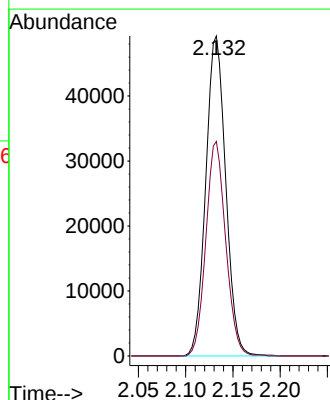
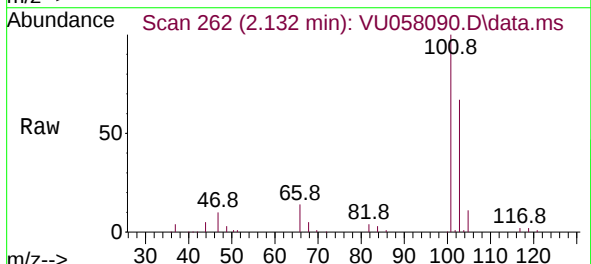
Instrument :
MSVOA_U
ClientSampleId :

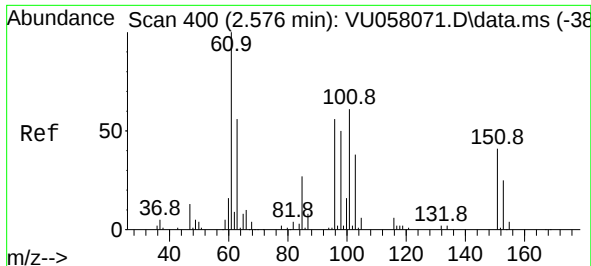
Tgt Ion: 64 Resp: 32554
Ion Ratio Lower Upper
64 100
66 32.4 20.9 38.9



#9
Trichlorofluoromethane
Concen: 4.838 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion:101 Resp: 72252
Ion Ratio Lower Upper
101 100
103 66.4 51.4 77.2





#10

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

Concen: 4.906 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :

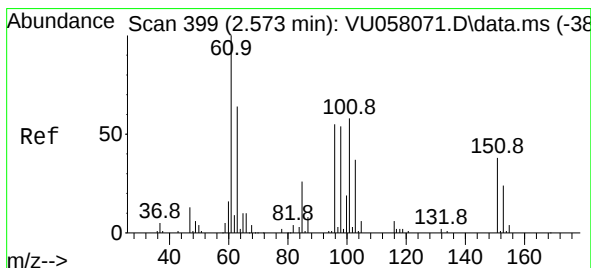
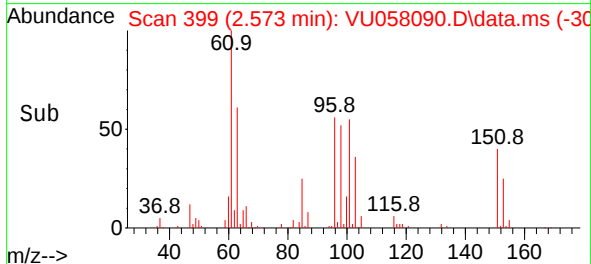
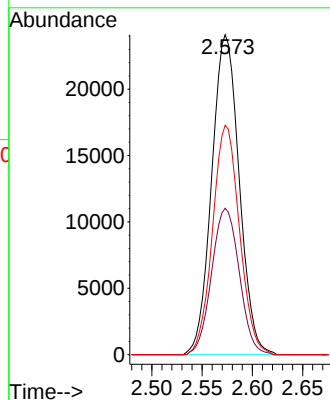
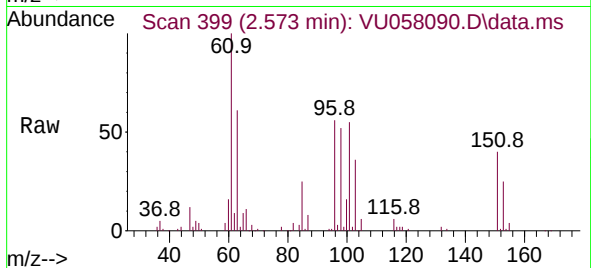
Tgt Ion:101 Resp: 45809

Ion Ratio Lower Upper

101 100

85 46.0 37.3 55.9

151 70.3 56.0 84.0



#12

1,1-Dichloroethene

Concen: 4.918 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

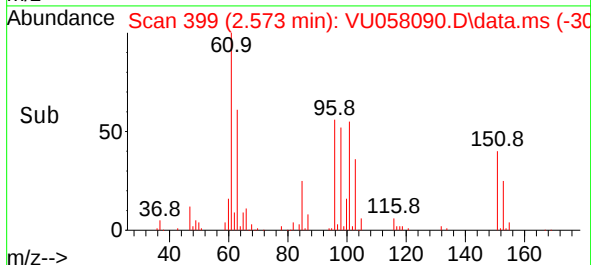
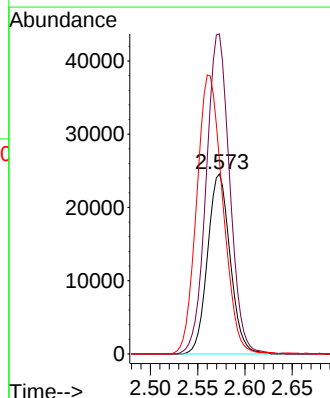
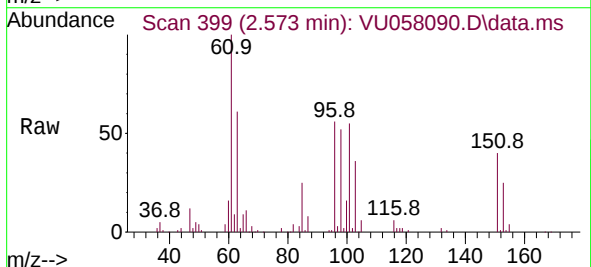
Tgt Ion: 96 Resp: 40820

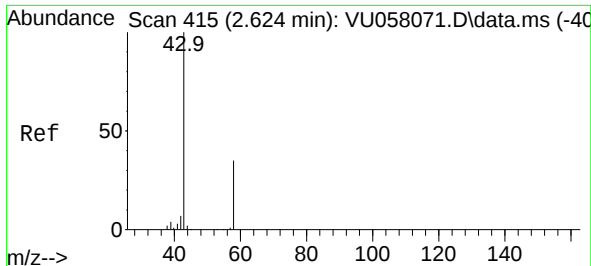
Ion Ratio Lower Upper

96 100

61 177.8 131.8 244.8

63 107.8 98.1 182.1





#13

Acetone

Concen: 45.047 ug/L

RT: 2.612 min Scan# 411

Delta R.T. -0.013 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

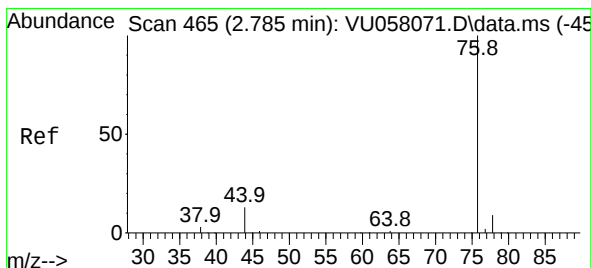
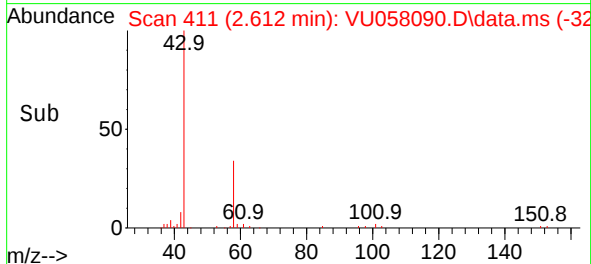
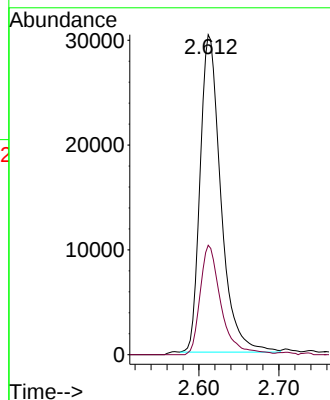
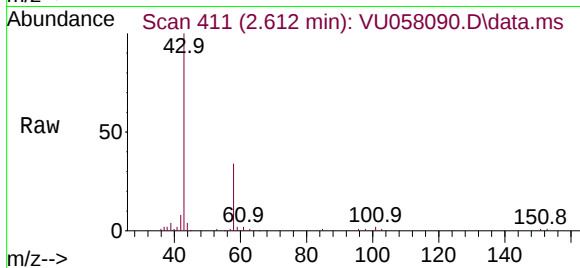
ClientSampleId :

Tgt Ion: 43 Resp: 54669

Ion Ratio Lower Upper

43 100

58 34.7 0.0 63.6



#14

Carbon disulfide

Concen: 4.326 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU058090.D

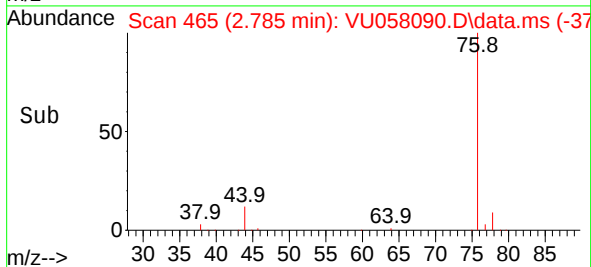
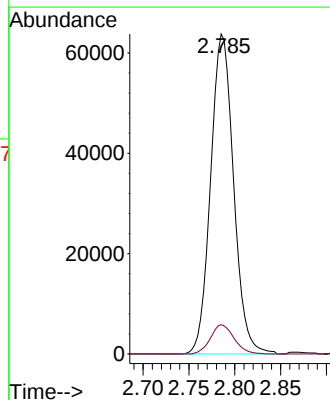
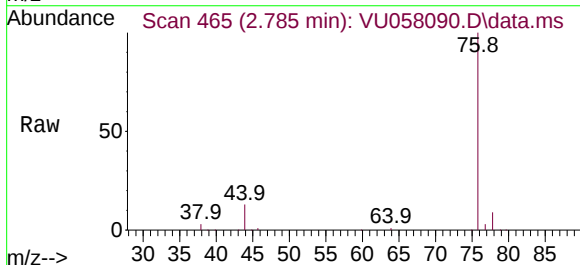
Acq: 13 Mar 2024 18:42

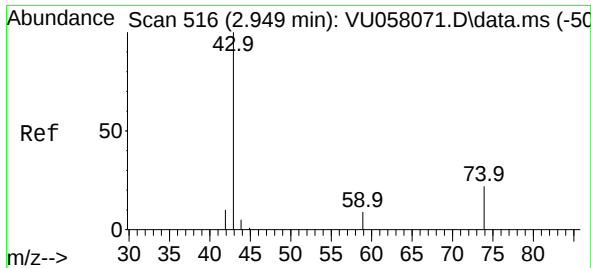
Tgt Ion: 76 Resp: 111040

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 4.926 ug/L

RT: 2.943 min Scan# 51

Delta R.T. -0.006 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

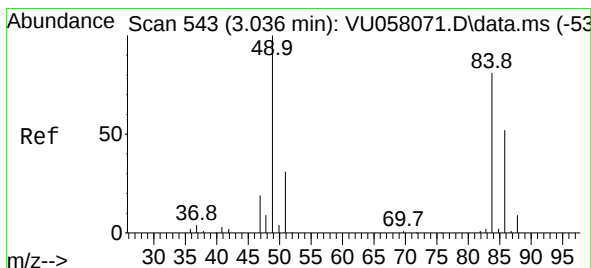
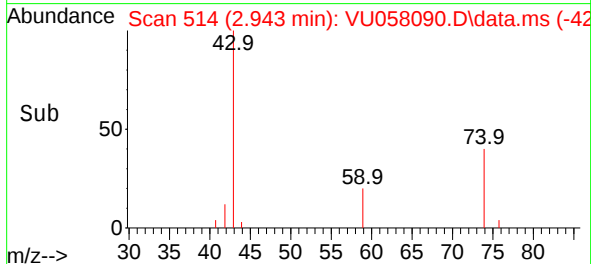
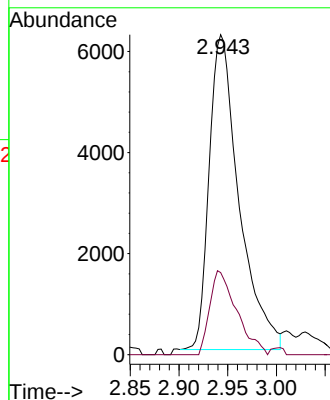
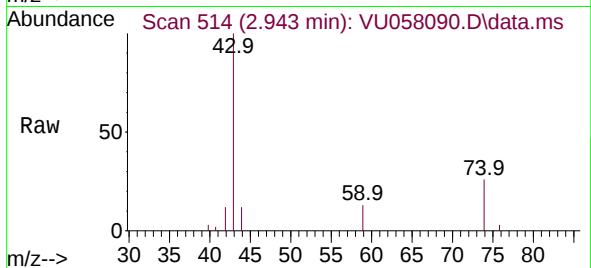
ClientSampleId :

Tgt Ion: 43 Resp: 13267

Ion Ratio Lower Upper

43 100

74 24.0 20.6 31.0



#16

Methylene chloride

Concen: 4.855 ug/L

RT: 3.033 min Scan# 542

Delta R.T. -0.003 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

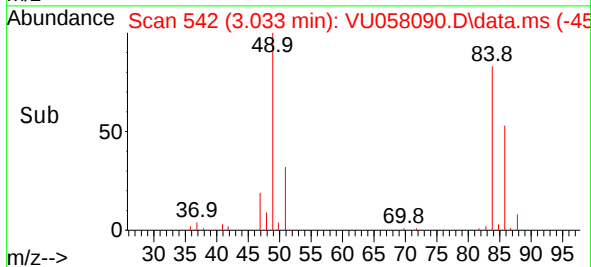
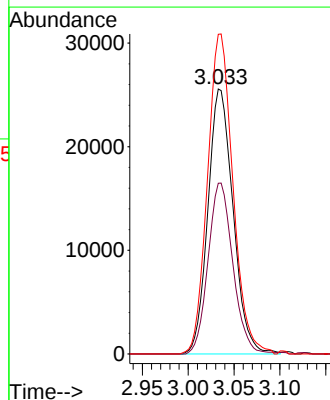
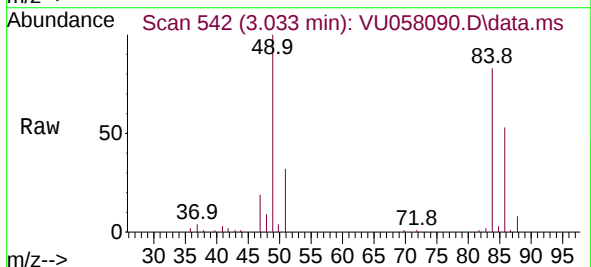
Tgt Ion: 84 Resp: 48978

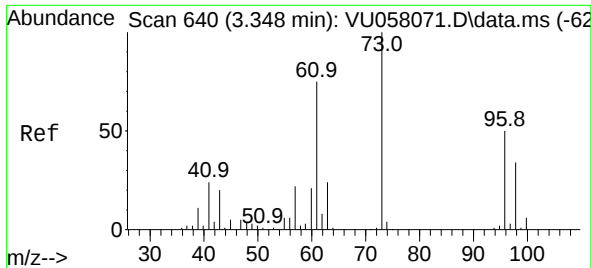
Ion Ratio Lower Upper

84 100

86 65.6 44.4 82.4

49 125.9 88.8 165.0

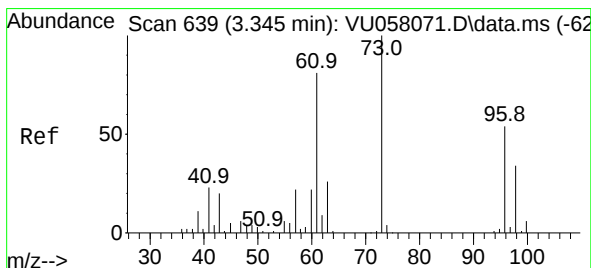
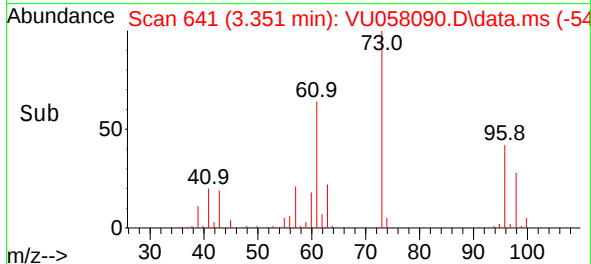
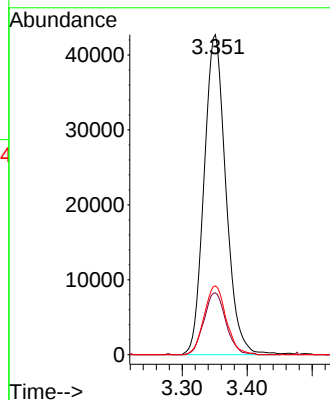
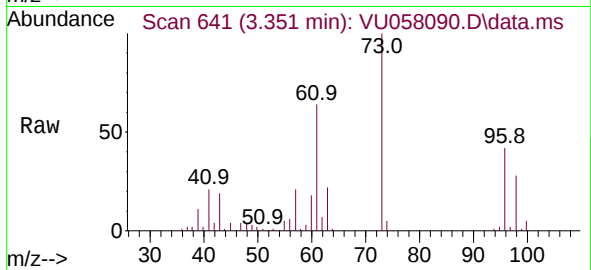




#17
Methyl tert-butyl Ether
Concen: 5.077 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

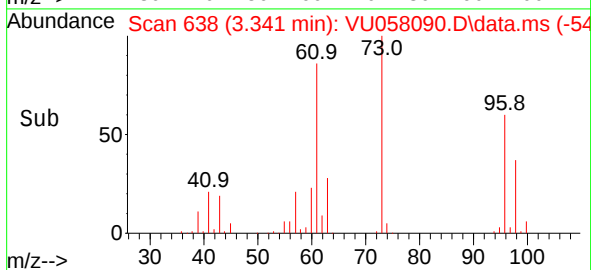
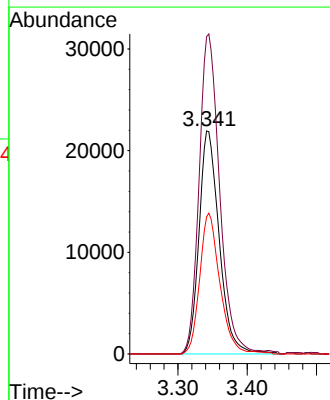
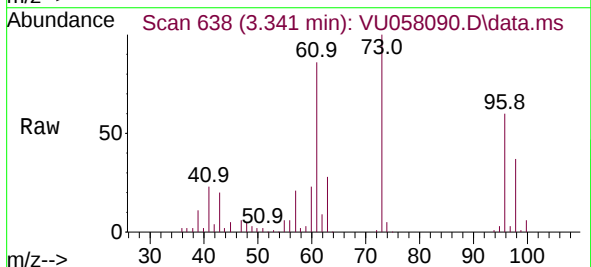
Instrument :
MSVOA_U
ClientSampleId :

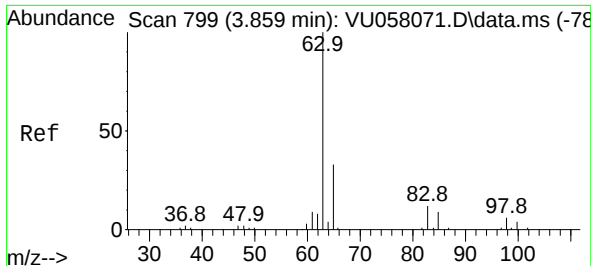
Tgt Ion: 73 Resp: 99653
Ion Ratio Lower Upper
73 100
43 19.6 16.2 24.4
57 21.8 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.921 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion: 96 Resp: 44488
Ion Ratio Lower Upper
96 100
61 142.3 107.7 199.9
98 61.5 45.8 85.0

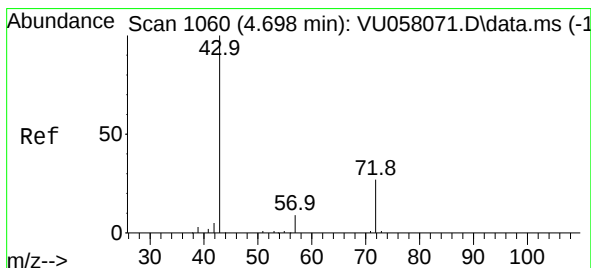
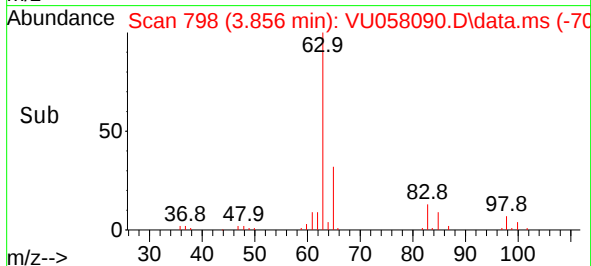
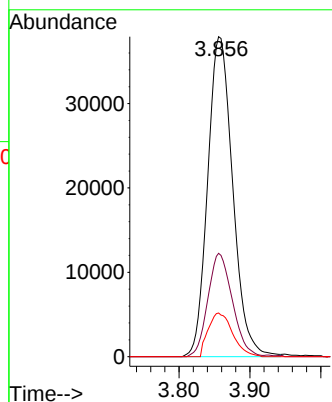
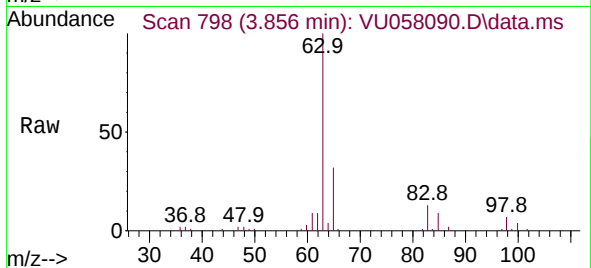




#19
1,1-Dichloroethane
Concen: 5.169 ug/L
RT: 3.856 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

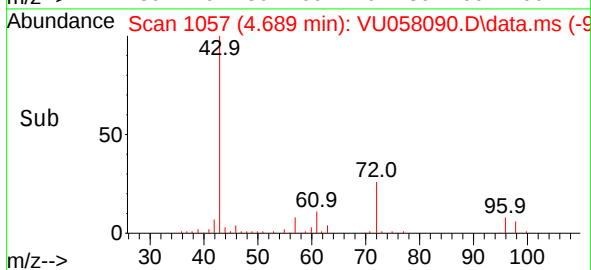
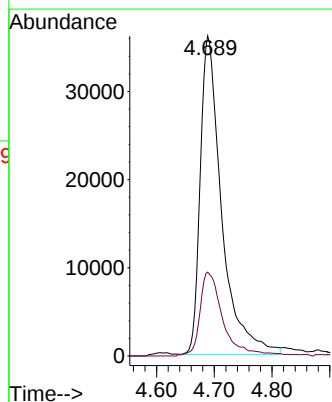
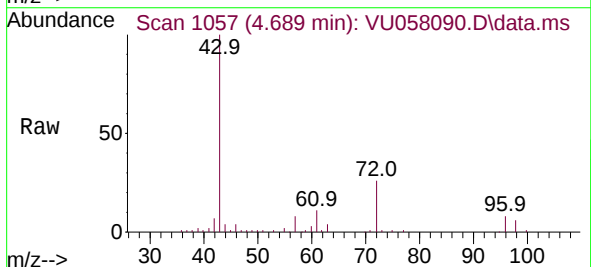
Instrument :
MSVOA_U
ClientSampleId :

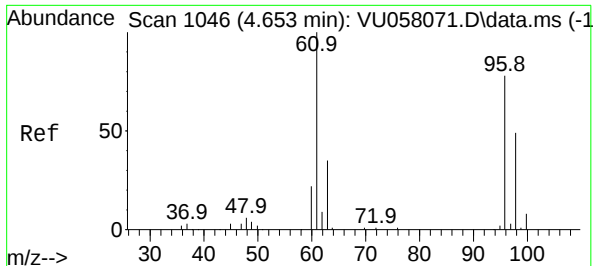
Tgt Ion:	63	Resp:	93228
Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.1	41.1
83	13.7	9.0	16.6



#21
2-Butanone
Concen: 48.570 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.010 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion:	43	Resp:	92878
Ion	Ratio	Lower	Upper
43	100		
72	27.7	13.0	39.0





#22

cis-1,2-Dichloroethene

Concen: 5.043 ug/L

RT: 4.656 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :

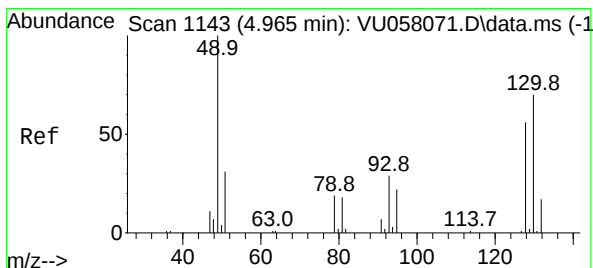
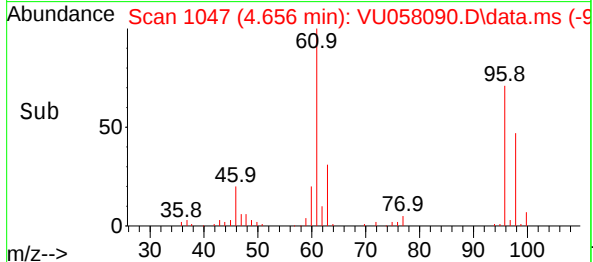
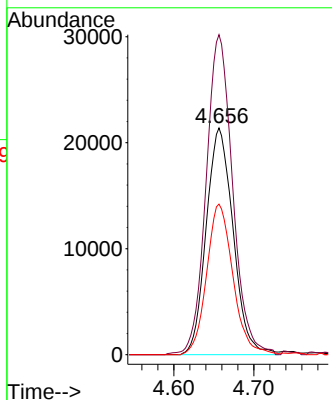
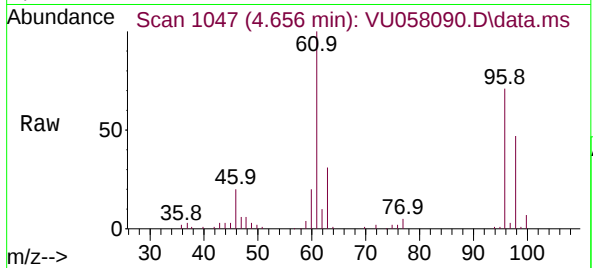
Tgt Ion: 96 Resp: 50156

Ion Ratio Lower Upper

96 100

61 141.1 97.2 180.4

98 66.4 45.5 84.5



#23

Bromochloromethane

Concen: 5.459 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Tgt Ion:128 Resp: 20160

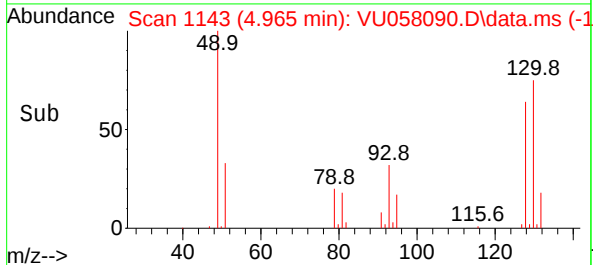
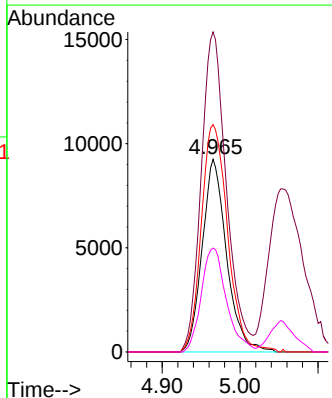
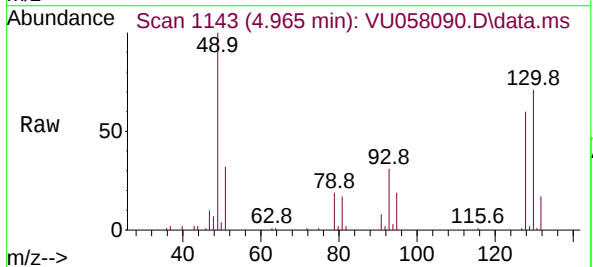
Ion Ratio Lower Upper

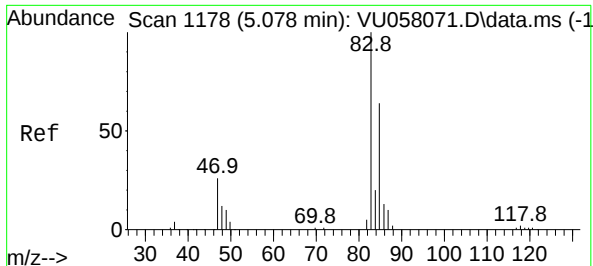
128 100

49 172.0 122.0 226.6

130 118.1 86.6 160.8

51 53.9 44.6 66.8

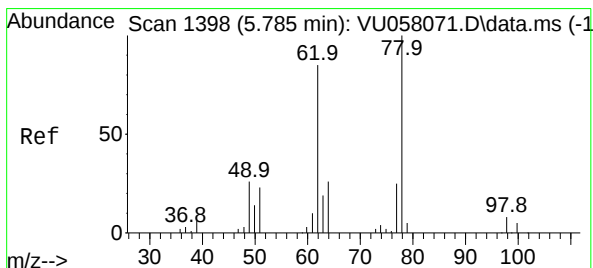
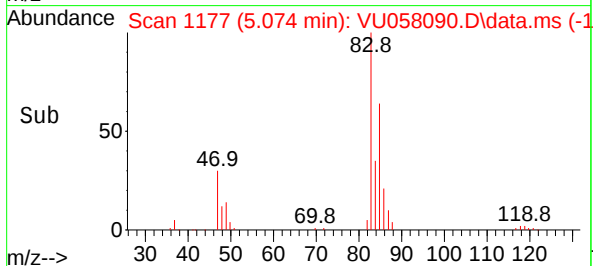
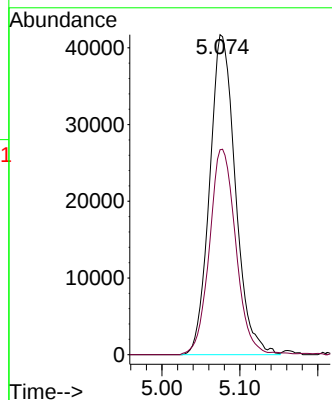
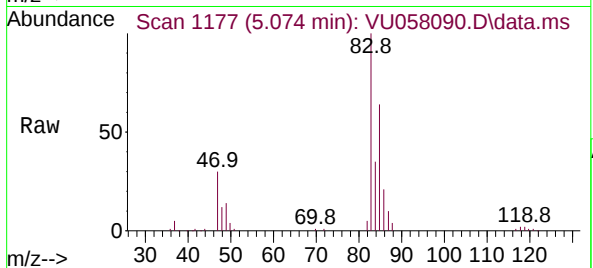




#25
Chloroform
Concen: 5.208 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. -0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

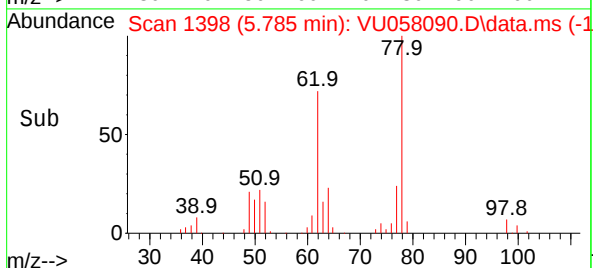
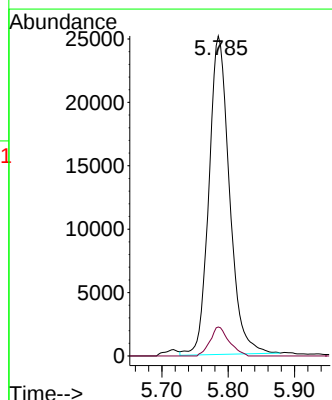
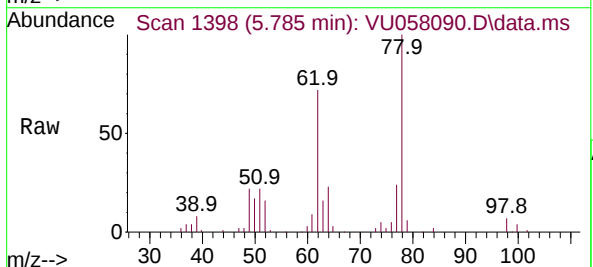
Instrument :
MSVOA_U
ClientSampleId :

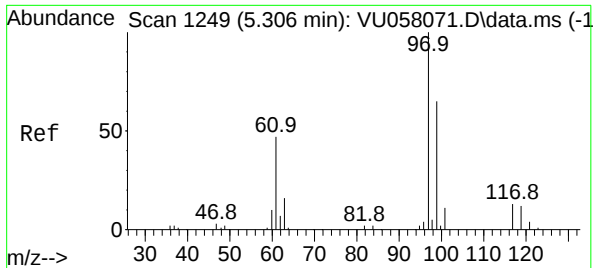
Tgt Ion: 83 Resp: 95885
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.305 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion: 62 Resp: 54079
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.4

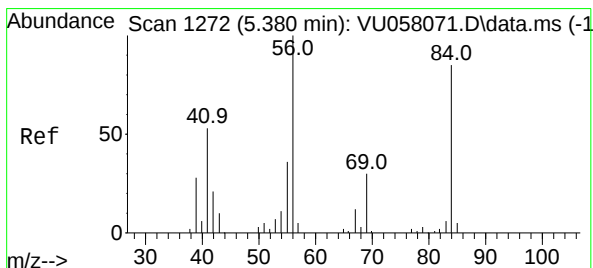
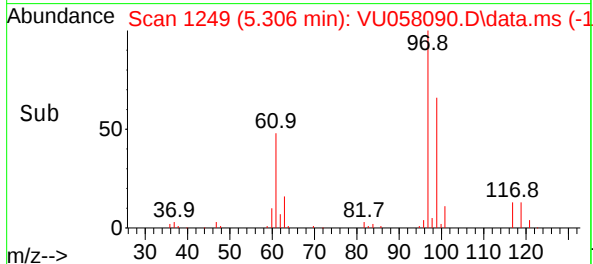
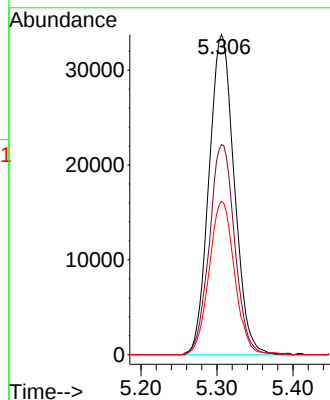
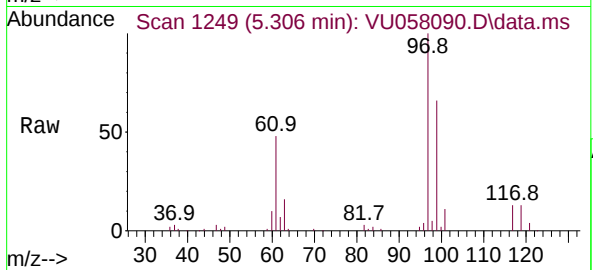




#29
1,1,1-Trichloroethane
Concen: 5.046 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

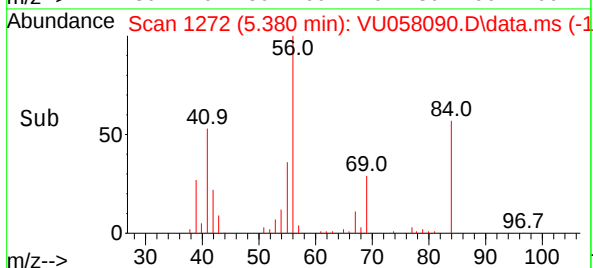
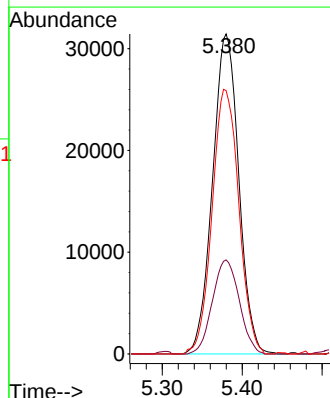
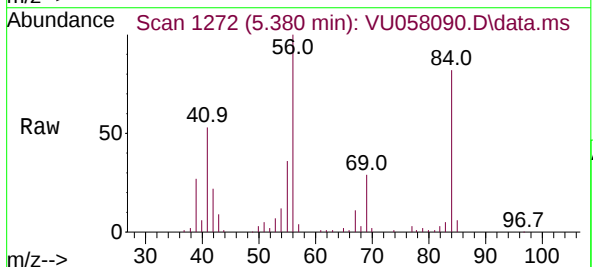
Instrument :
MSVOA_U
ClientSampleId :

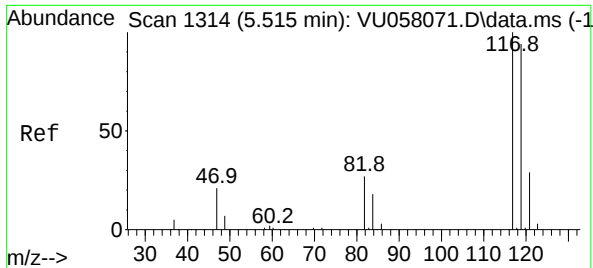
Tgt Ion: 97	Resp: 77932
Ion Ratio	Lower Upper
97 100	
99 65.7	51.2 76.8
61 48.0	37.4 56.2



#30
Cyclohexane
Concen: 4.587 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion: 56	Resp: 71536
Ion Ratio	Lower Upper
56 100	
69 30.1	24.2 36.2
84 84.2	66.6 99.8

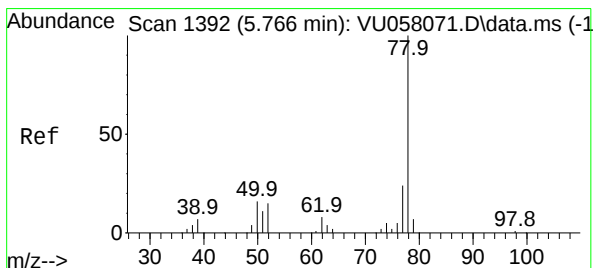
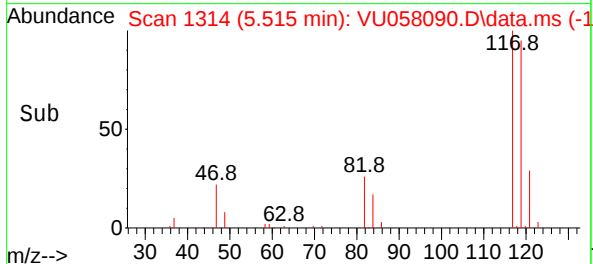
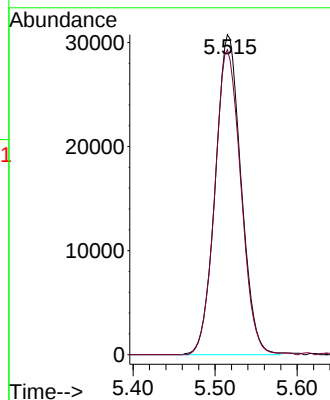
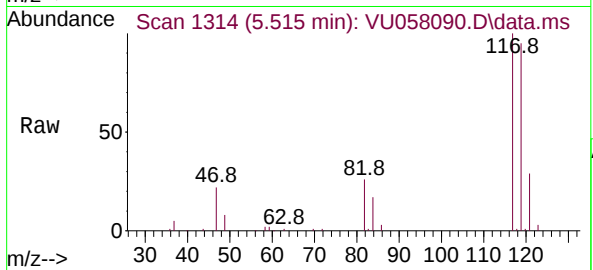




#31
Carbon tetrachloride
Concen: 5.002 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

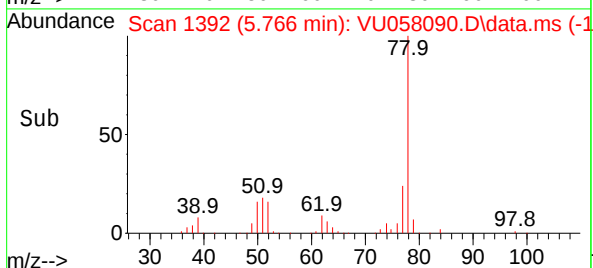
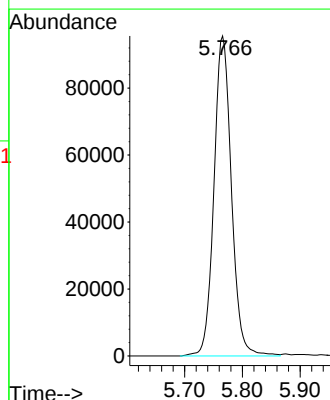
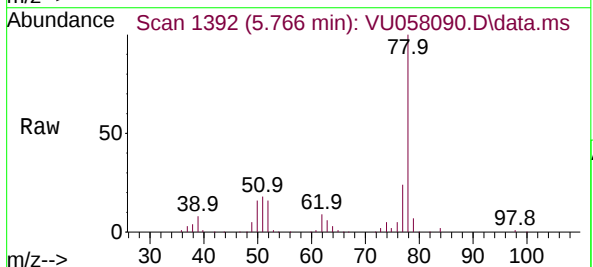
Instrument :
MSVOA_U
ClientSampleId :

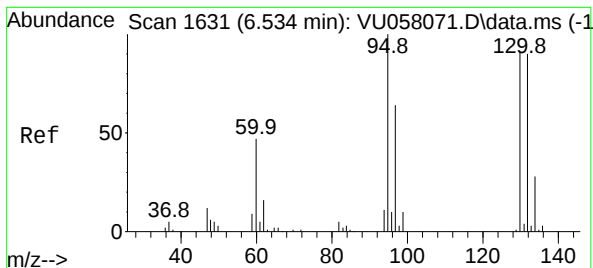
Tgt Ion:117 Resp: 67131
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8



#33
Benzene
Concen: 5.047 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion: 78 Resp: 200983





#34

Trichloroethene

Concen: 5.183 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 54302

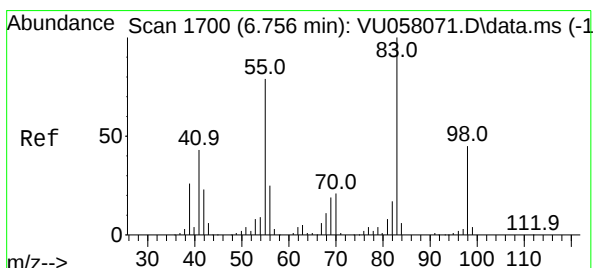
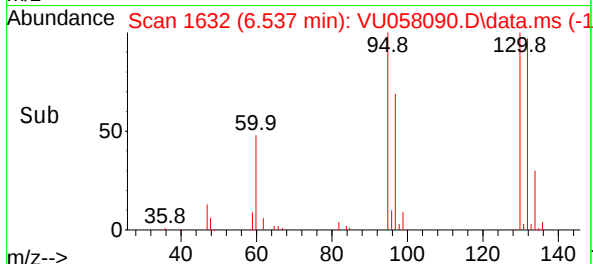
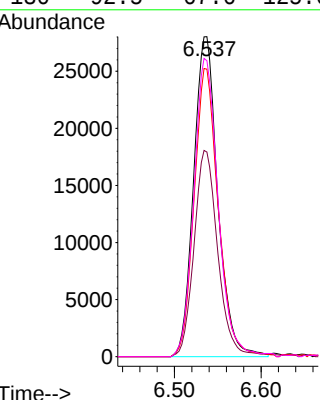
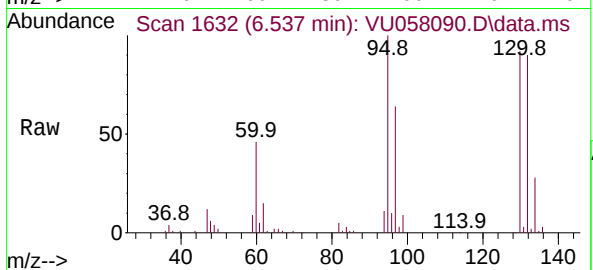
Ion Ratio Lower Upper

95 100

97 64.0 45.3 84.1

132 89.8 63.1 117.1

130 92.5 67.6 125.6



#35

Methylcyclohexane

Concen: 4.606 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

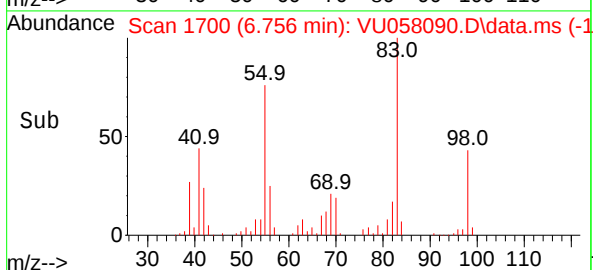
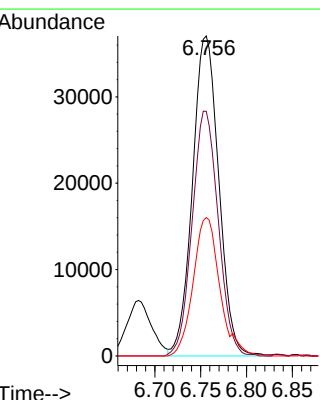
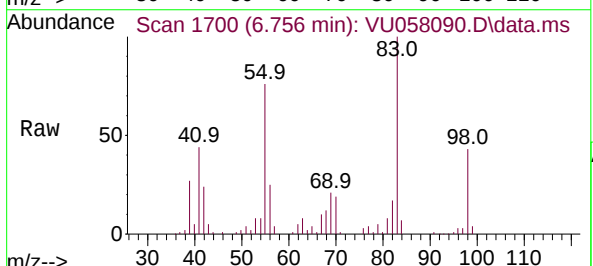
Tgt Ion: 83 Resp: 73982

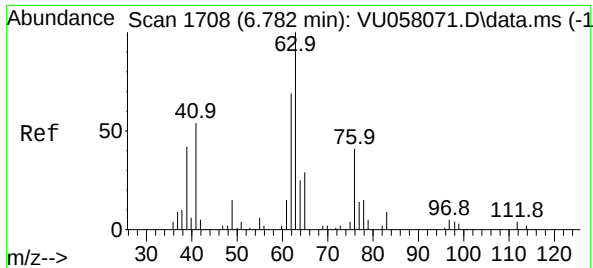
Ion Ratio Lower Upper

83 100

55 75.8 63.0 94.6

98 43.5 36.2 54.4

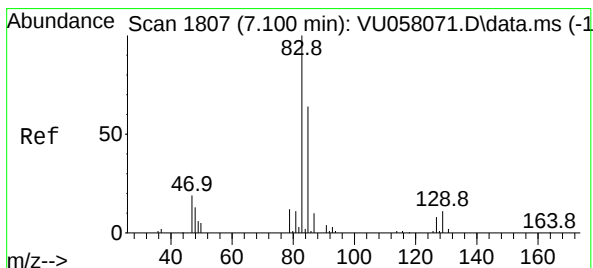
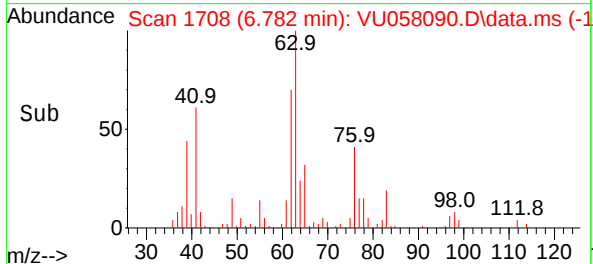
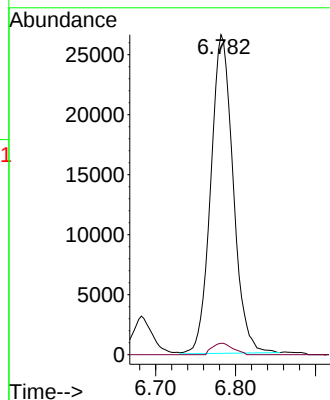
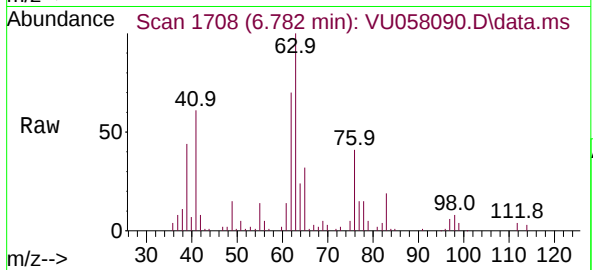




#37
1,2-Dichloropropane
Concen: 5.039 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

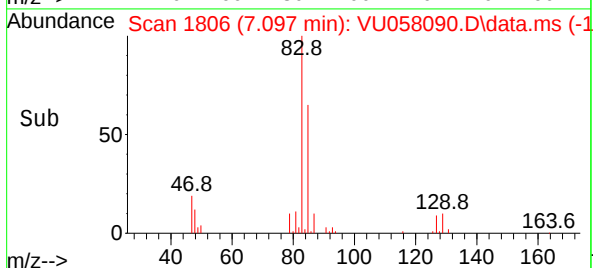
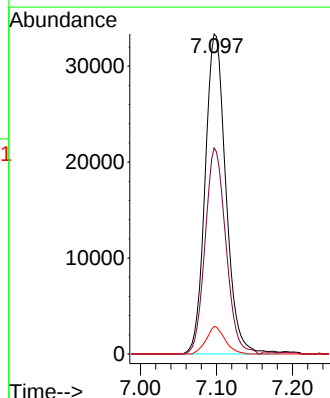
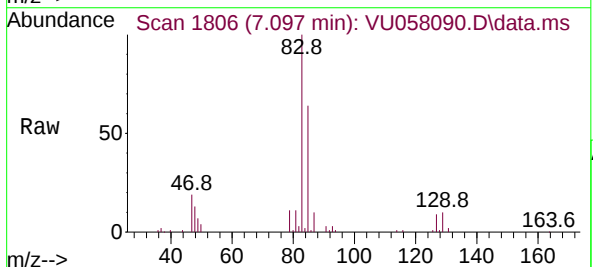
Instrument :
MSVOA_U
ClientSampleId :

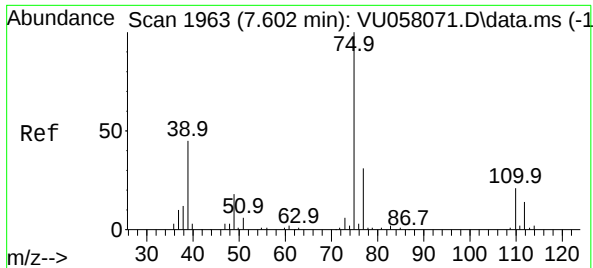
Tgt Ion: 63 Resp: 51741
Ion Ratio Lower Upper
63 100
112 3.3 3.0 4.4



#38
Bromodichloromethane
Concen: 5.081 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion: 83 Resp: 63293
Ion Ratio Lower Upper
83 100
85 64.4 44.5 82.7
127 8.6 6.6 9.8

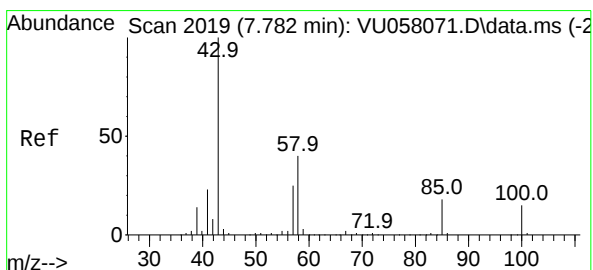
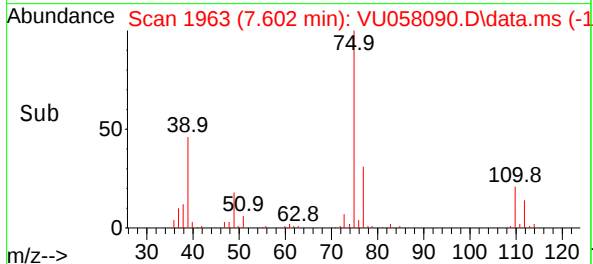
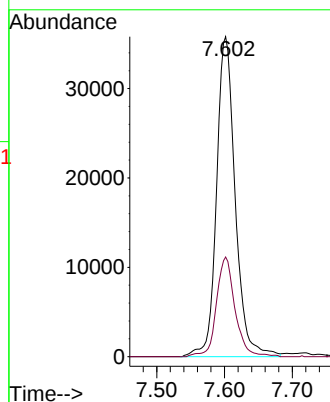
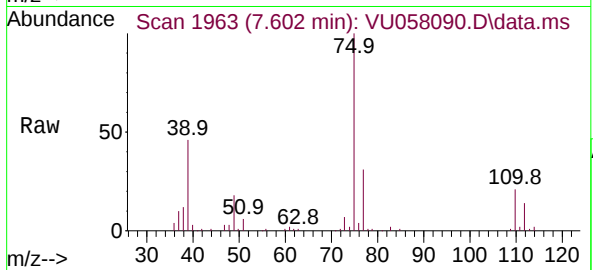




#39
 cis-1,3-Dichloropropene
 Concen: 4.850 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU058090.D
 Acq: 13 Mar 2024 18:42

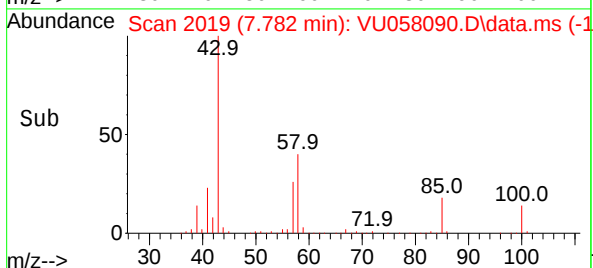
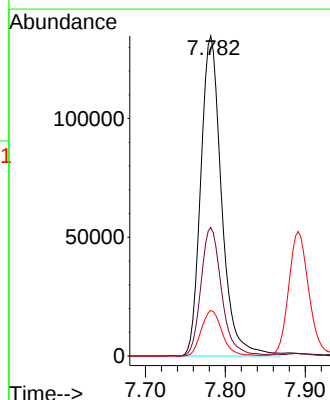
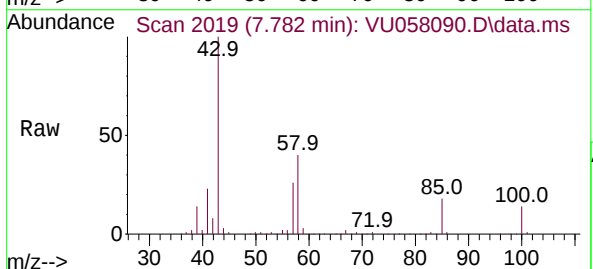
Instrument :
 MSVOA_U
 ClientSampleId :

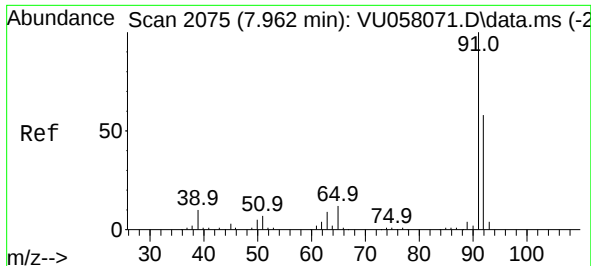
Tgt Ion: 75 Resp: 68618
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 51.676 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU058090.D
 Acq: 13 Mar 2024 18:42

Tgt Ion: 43 Resp: 244092
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.7 47.5
 100 14.3 11.3 16.9





#42

Toluene

Concen: 5.076 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

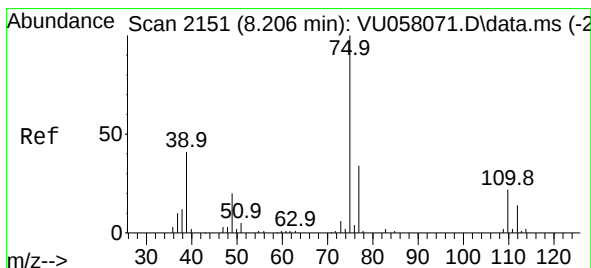
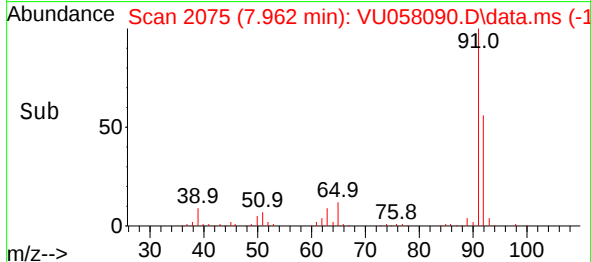
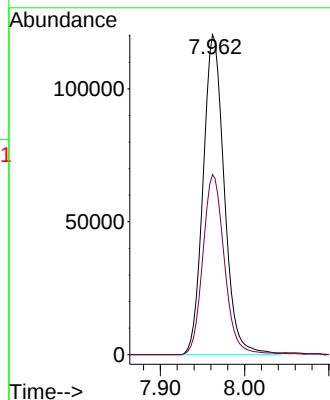
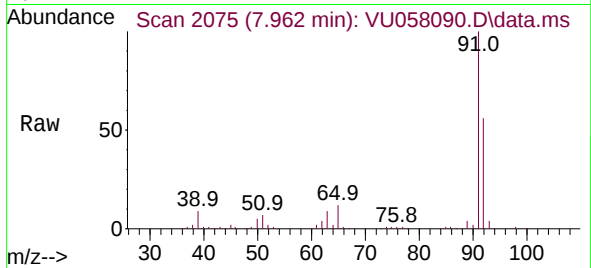
ClientSampleId :

Tgt Ion: 91 Resp: 210505

Ion Ratio Lower Upper

91 100

92 56.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.777 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU058090.D

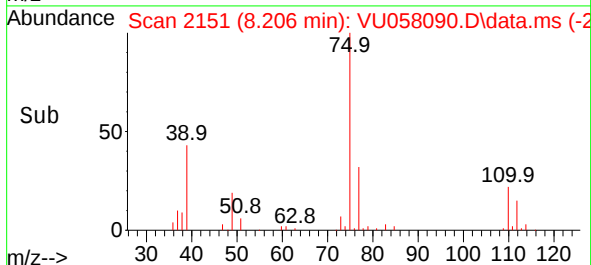
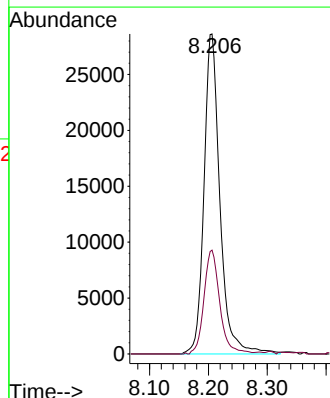
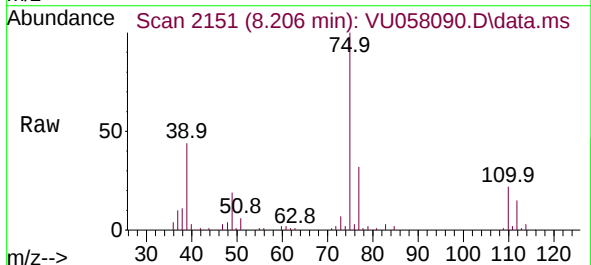
Acq: 13 Mar 2024 18:42

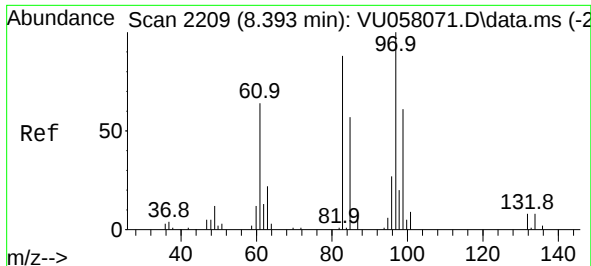
Tgt Ion: 75 Resp: 53858

Ion Ratio Lower Upper

75 100

77 32.5 23.1 42.9

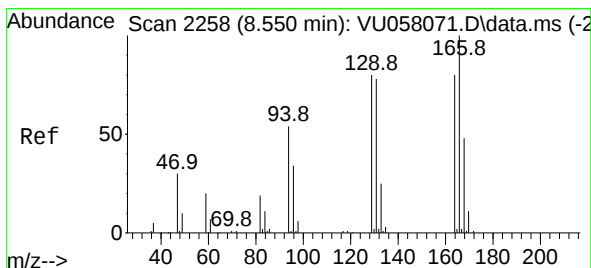
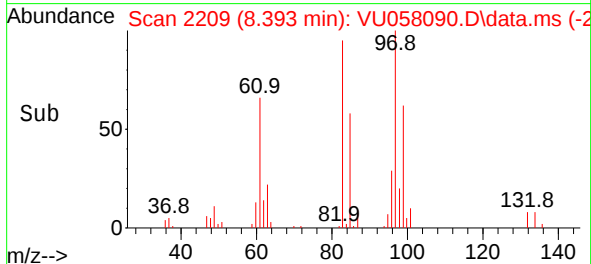
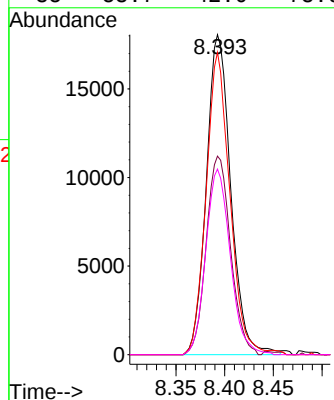
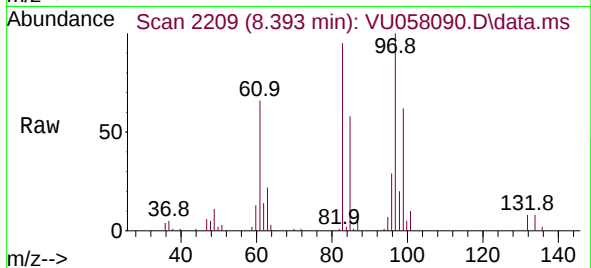




#45
1,1,2-Trichloroethane
Concen: 5.183 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

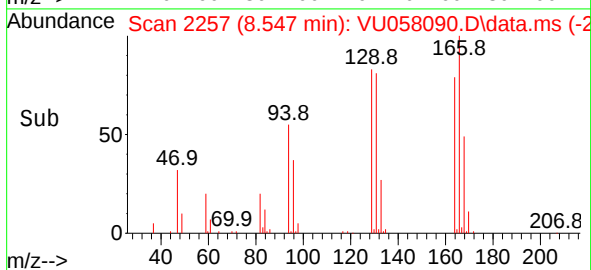
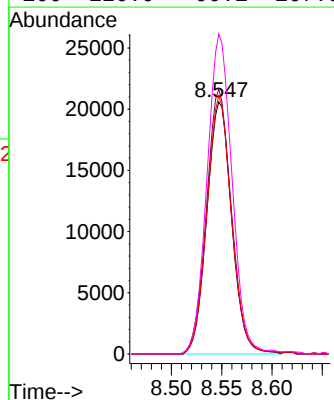
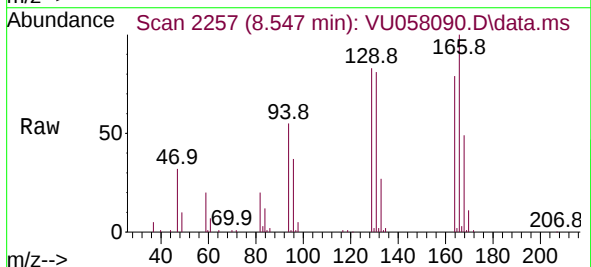
Instrument :
MSVOA_U
ClientSampleId :

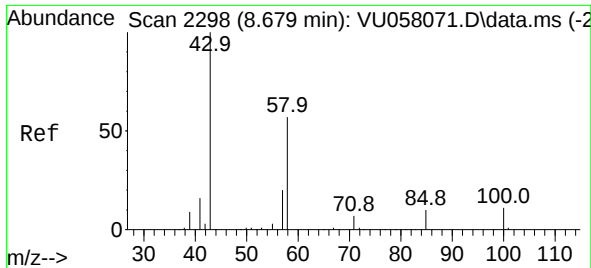
Tgt Ion: 97	Resp: 31554
Ion Ratio	Lower Upper
97 100	
99 62.1	44.2 82.2
83 94.5	64.2 119.2
85 58.7	42.0 78.0



#47
Tetrachloroethene
Concen: 4.870 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

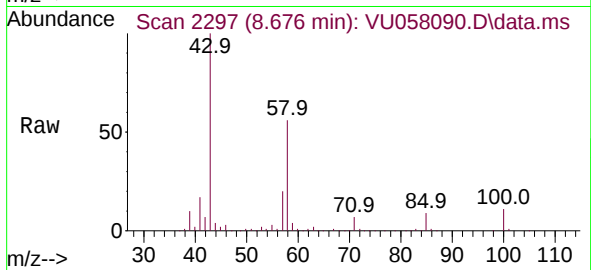
Tgt	Ion:164	Resp:	35399
Ion	Ratio	Lower	Upper
164	100		
129	105.0	69.3	128.7
131	102.3	69.9	129.9
166	126.9	90.1	167.3



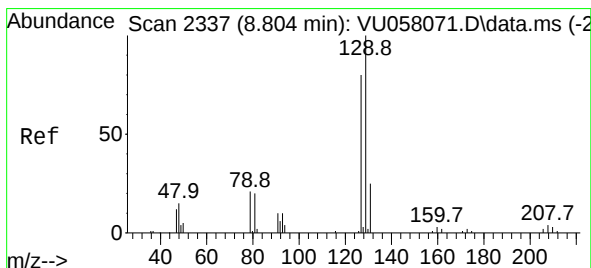
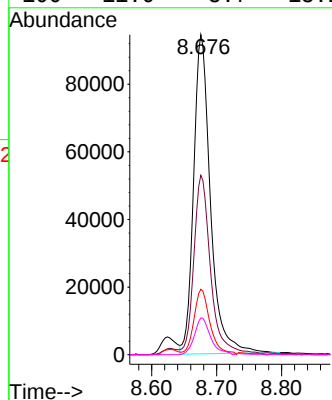
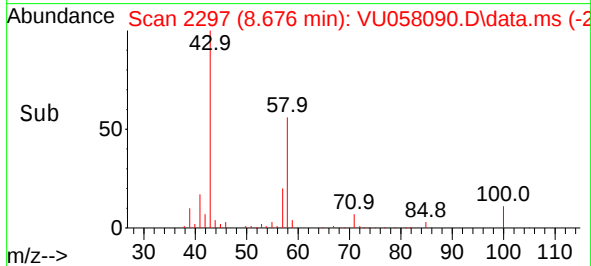


#48
2-Hexanone
Concen: 49.365 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Instrument :
MSVOA_U
ClientSampleId :

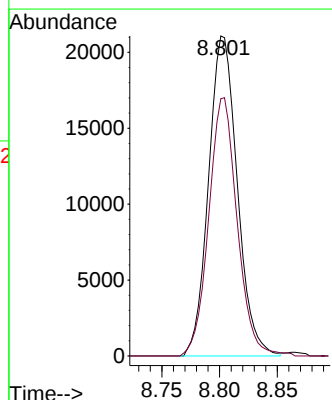
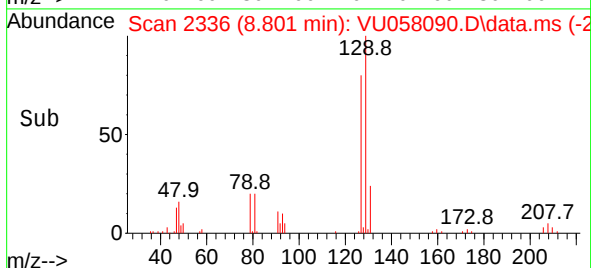
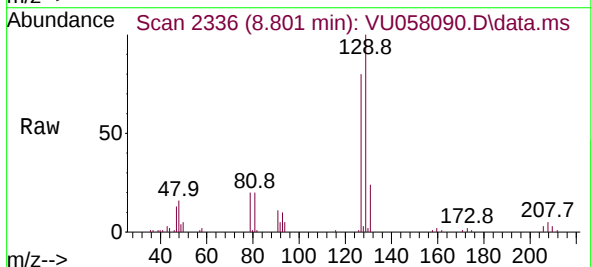


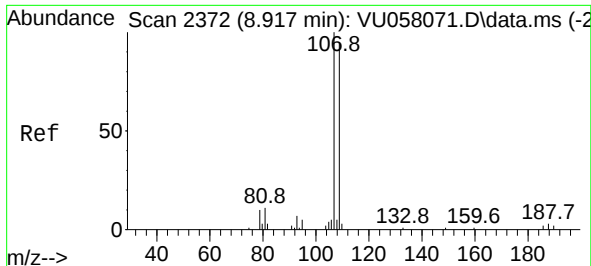
Tgt Ion: 43 Resp: 171001
Ion Ratio Lower Upper
43 100
58 55.1 43.3 64.9
57 19.5 15.2 22.8
100 11.0 8.7 13.1



#49
Dibromochloromethane
Concen: 5.067 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion:129 Resp: 36518
Ion Ratio Lower Upper
129 100
127 80.4 55.2 102.6

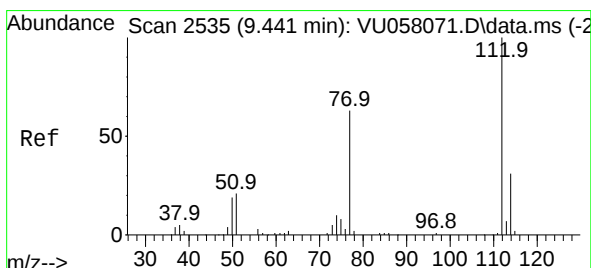
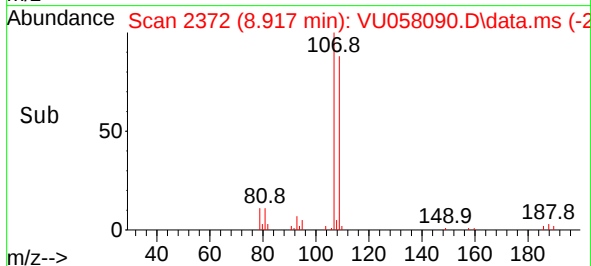
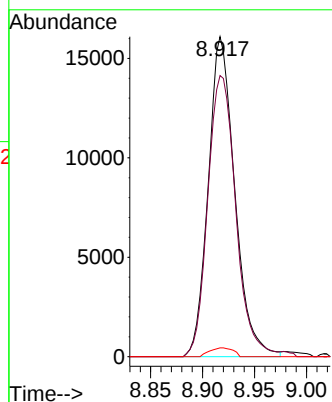
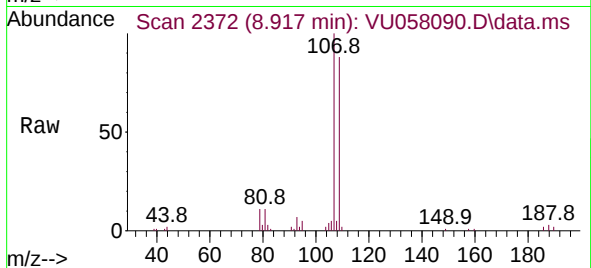




#50
1,2-Dibromoethane
Concen: 5.283 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

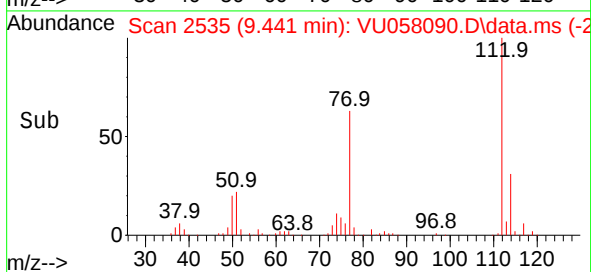
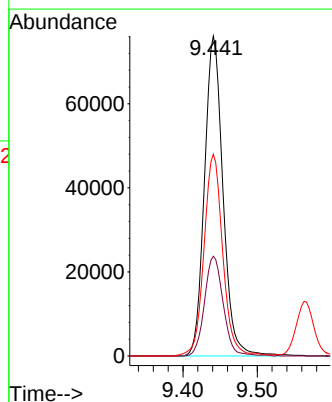
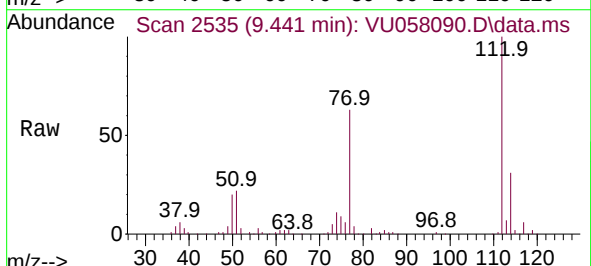
Instrument :
MSVOA_U
ClientSampleId :

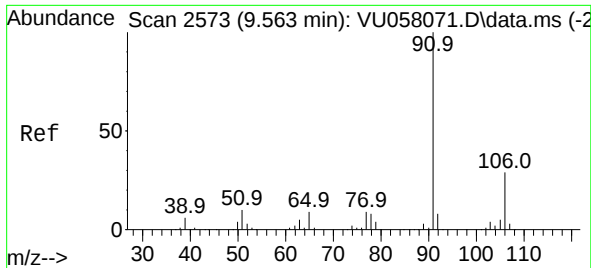
Tgt Ion:107 Resp: 28548
Ion Ratio Lower Upper
107 100
109 87.8 67.8 125.8
188 2.7 2.4 3.6



#51
Chlorobenzene
Concen: 5.060 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion:112 Resp: 131589
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.1
77 63.1 52.3 78.5

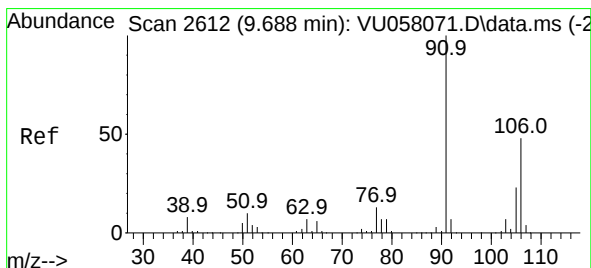
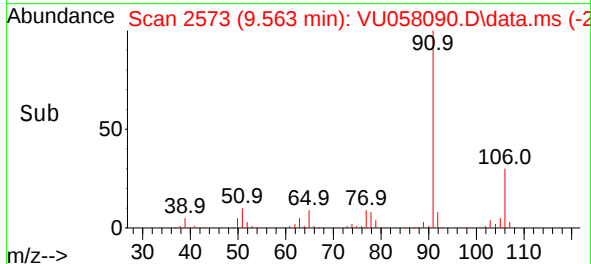
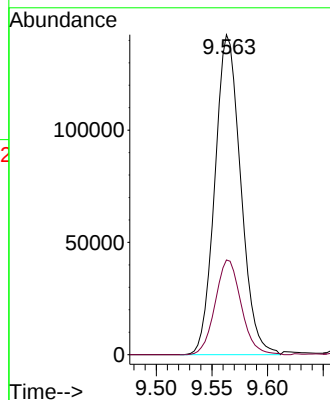
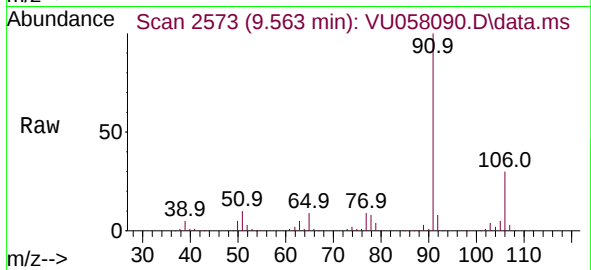




#52
Ethylbenzene
Concen: 4.956 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

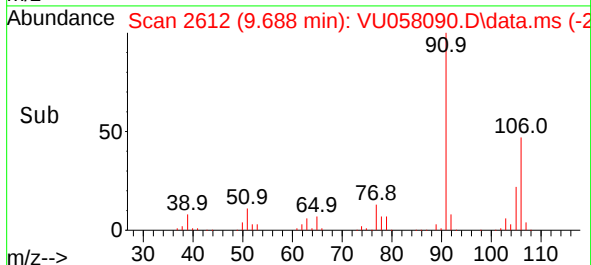
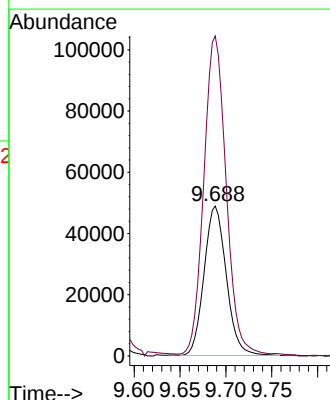
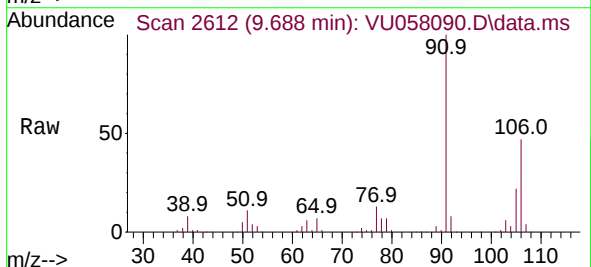
Instrument :
MSVOA_U
ClientSampleId :

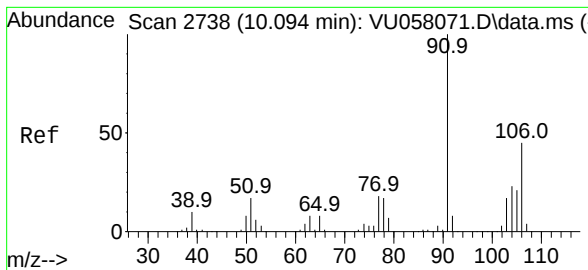
Tgt Ion: 91 Resp: 230005
Ion Ratio Lower Upper
91 100
106 29.6 20.9 38.7



#53
m,p-Xylene
Concen: 4.965 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion:106 Resp: 82312
Ion Ratio Lower Upper
106 100
91 213.4 148.8 276.4





#54

o-Xylene

Concen: 5.055 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

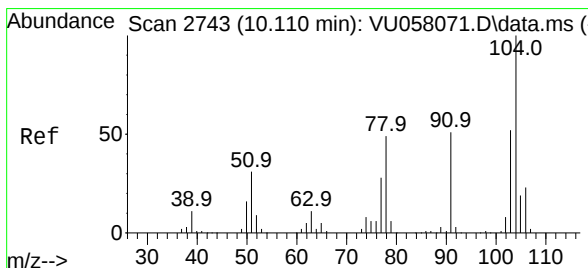
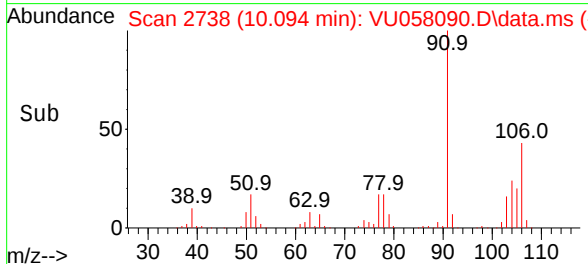
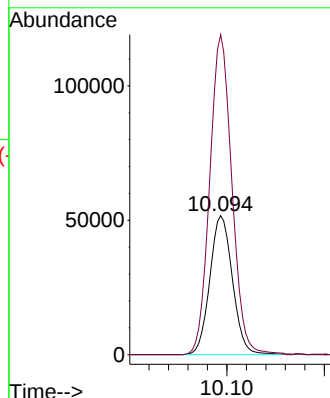
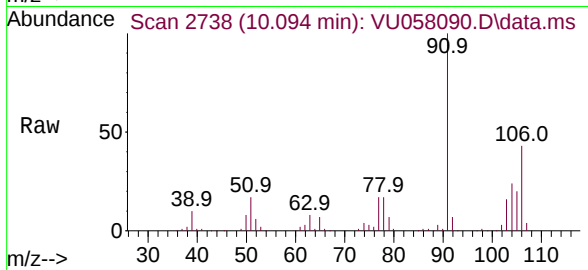
ClientSampleId :

Tgt Ion:106 Resp: 83535

Ion Ratio Lower Upper

106 100

91 230.3 158.3 294.1



#55

Styrene

Concen: 5.196 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU058090.D

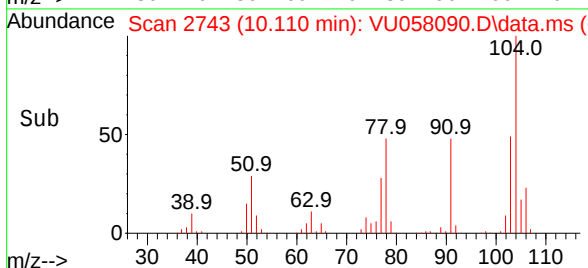
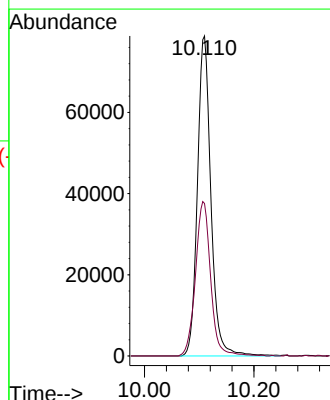
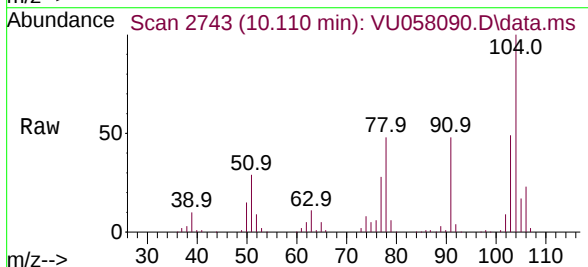
Acq: 13 Mar 2024 18:42

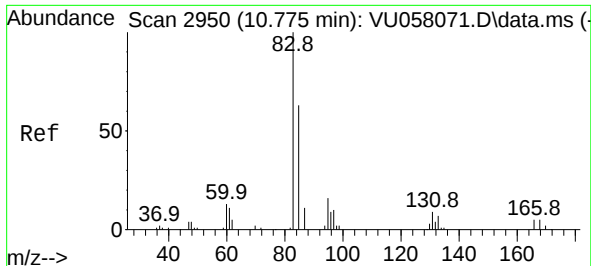
Tgt Ion:104 Resp: 134759

Ion Ratio Lower Upper

104 100

78 47.7 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.363 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :

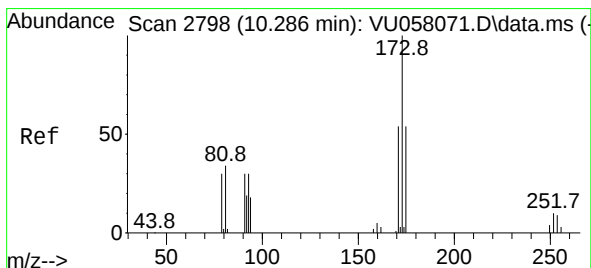
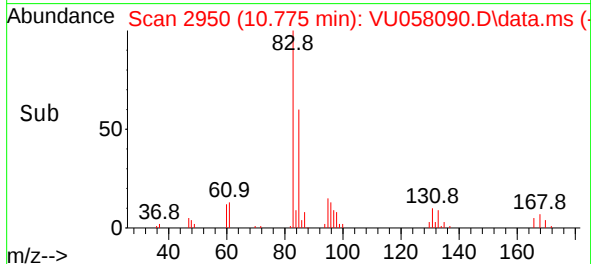
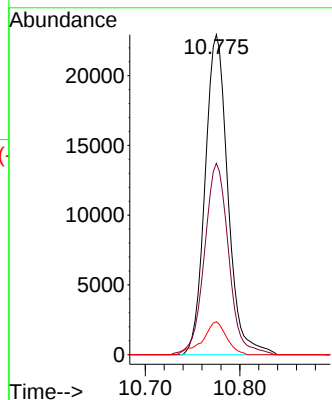
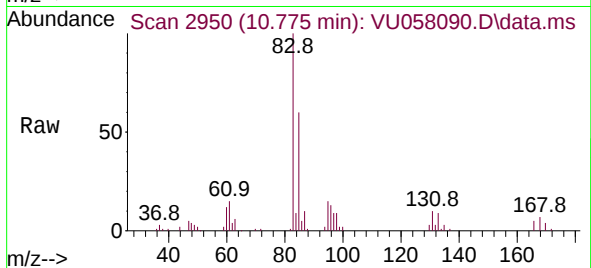
Tgt Ion: 83 Resp: 38466

Ion Ratio Lower Upper

83 100

85 59.8 44.0 81.6

131 10.3 6.9 10.3



#59

Bromoform

Concen: 4.982 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

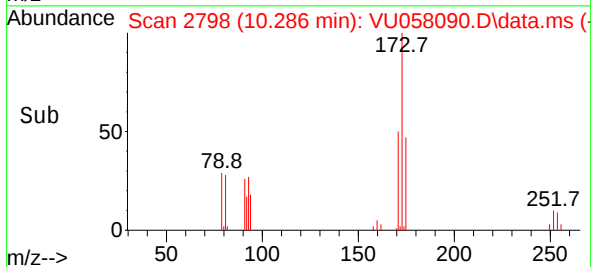
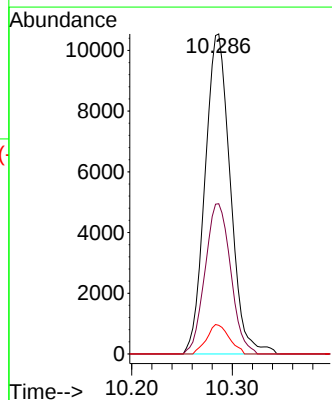
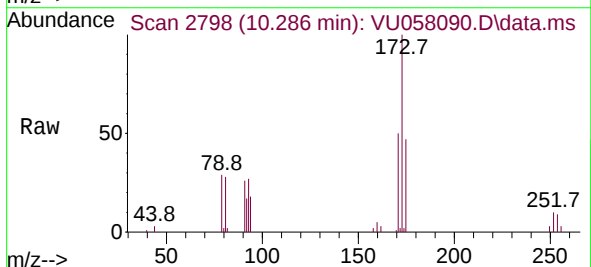
Tgt Ion:173 Resp: 18361

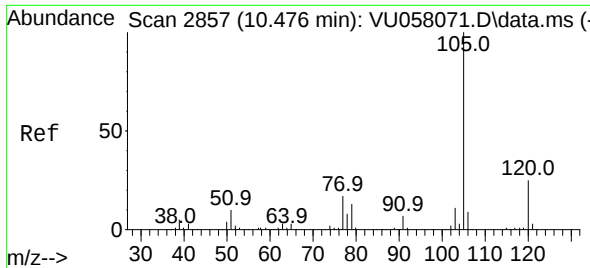
Ion Ratio Lower Upper

173 100

175 47.7 38.6 57.8

254 8.2 7.3 10.9

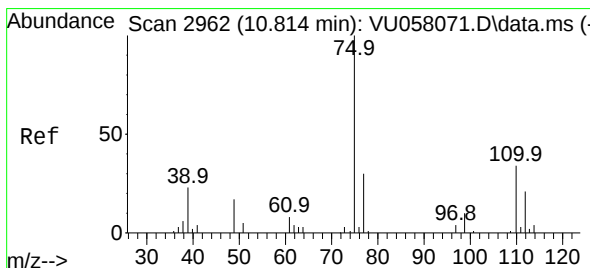
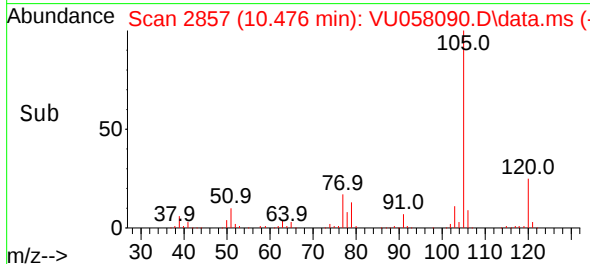
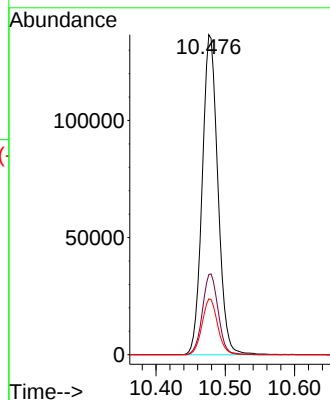
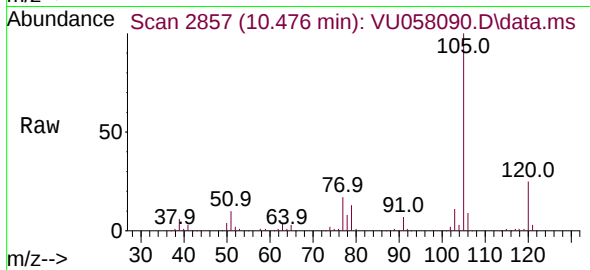




#60
Isopropylbenzene
Concen: 4.862 ug/L
RT: 10.476 min Scan# 213966
Delta R.T. -0.000 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

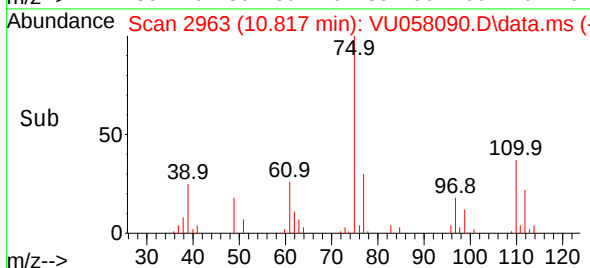
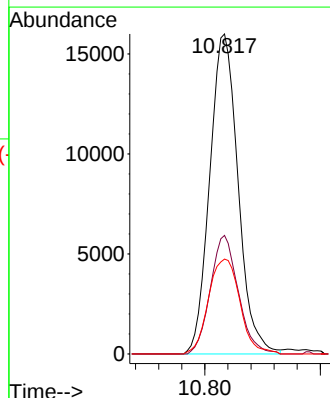
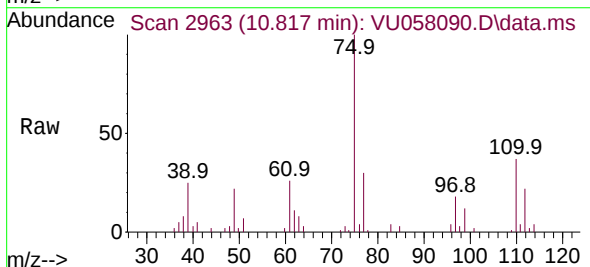
Instrument :
MSVOA_U
ClientSampleId :

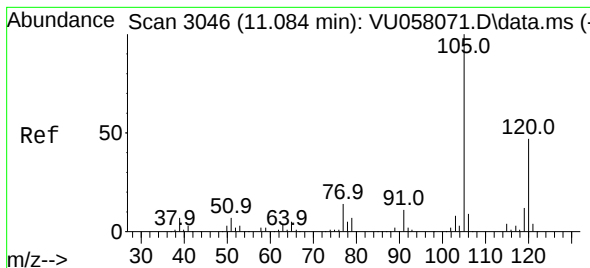
Tgt Ion:105 Resp: 213966
Ion Ratio Lower Upper
105 100
120 25.3 20.4 30.6
77 17.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.036 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU058090.D
Acq: 13 Mar 2024 18:42

Tgt Ion: 75 Resp: 27259
Ion Ratio Lower Upper
75 100
110 36.4 28.0 42.0
77 32.9 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 4.839 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

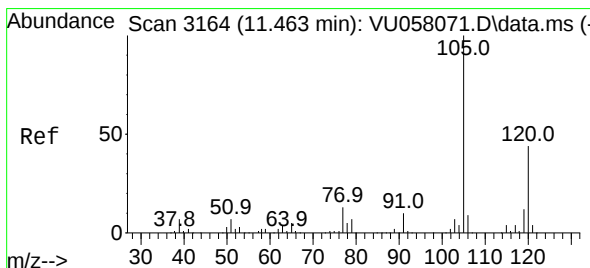
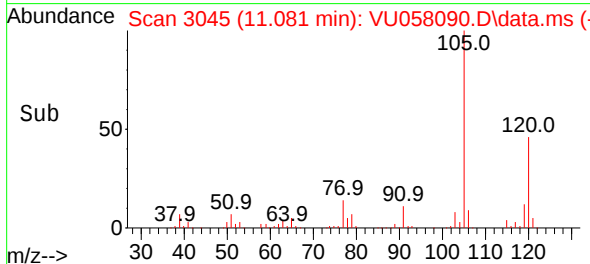
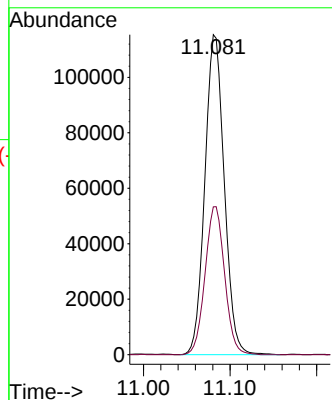
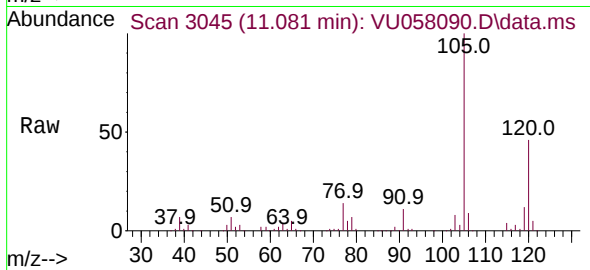
ClientSampleId :

Tgt Ion:105 Resp: 179609

Ion Ratio Lower Upper

105 100

120 46.6 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 4.868 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU058090.D

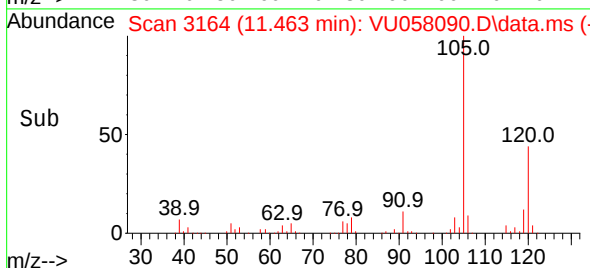
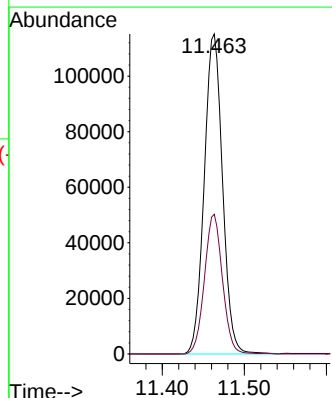
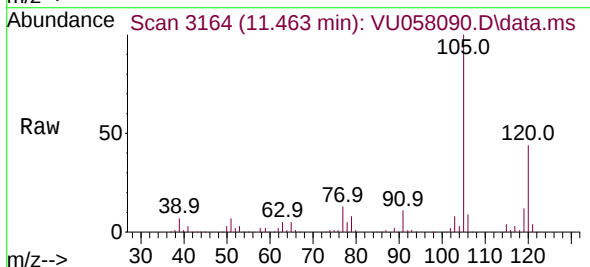
Acq: 13 Mar 2024 18:42

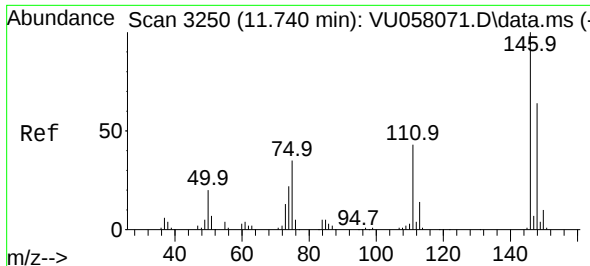
Tgt Ion:105 Resp: 178344

Ion Ratio Lower Upper

105 100

120 42.8 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 4.861 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

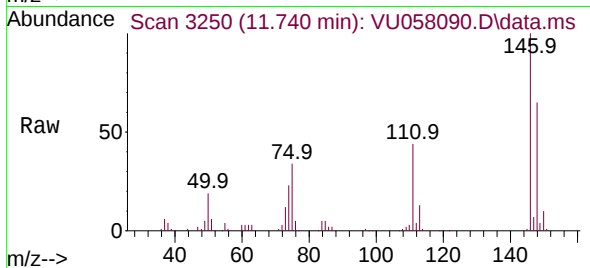
Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :



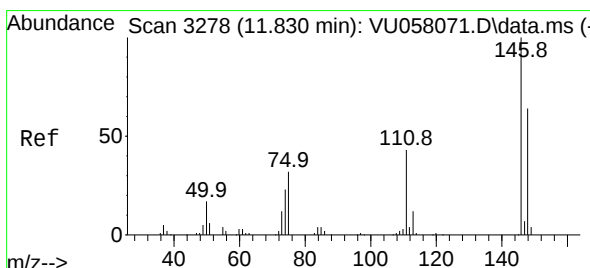
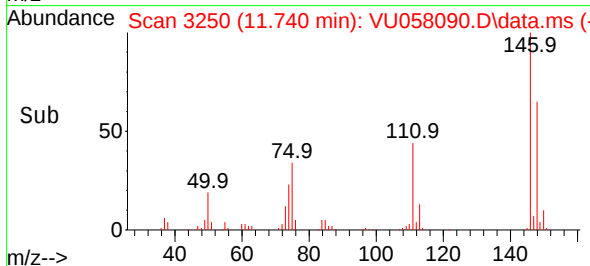
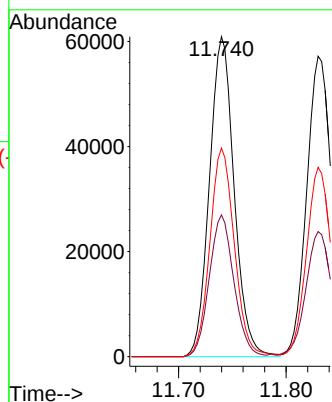
Tgt Ion:146 Resp: 97245

Ion Ratio Lower Upper

146 100

111 44.3 30.9 57.5

148 65.2 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 4.796 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

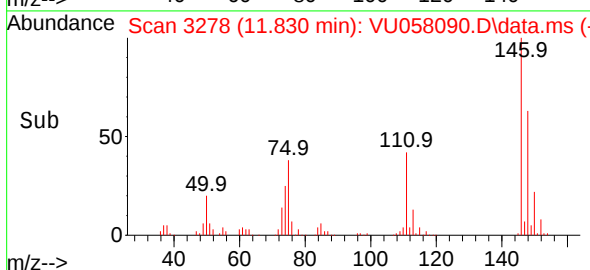
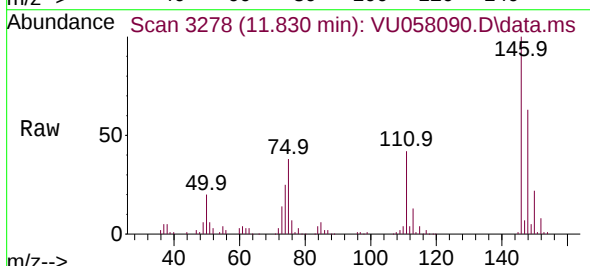
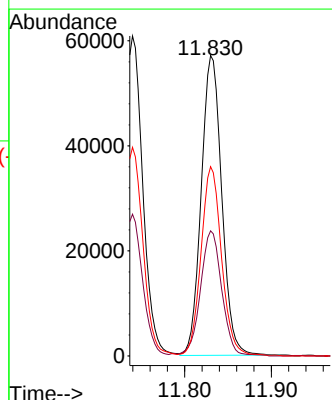
Tgt Ion:146 Resp: 93912

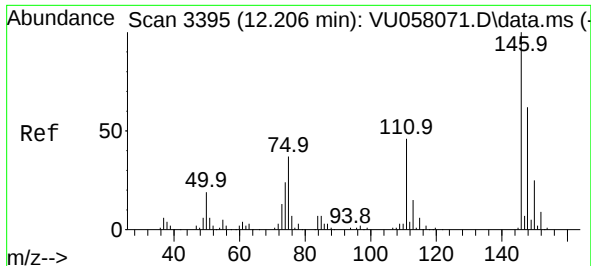
Ion Ratio Lower Upper

146 100

111 41.6 30.1 55.9

148 63.0 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 4.944 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

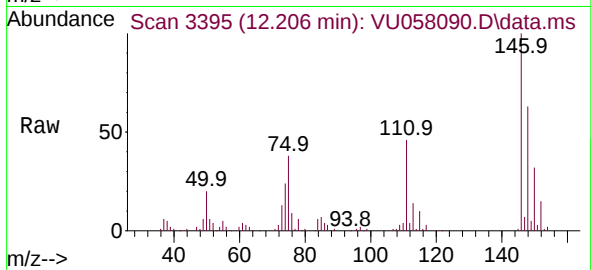
Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :



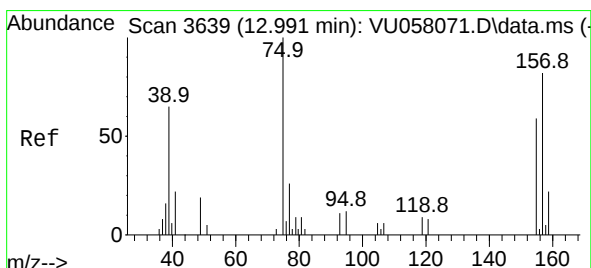
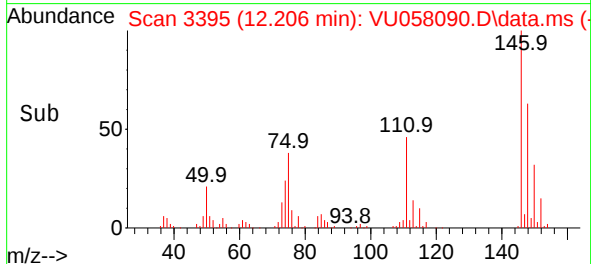
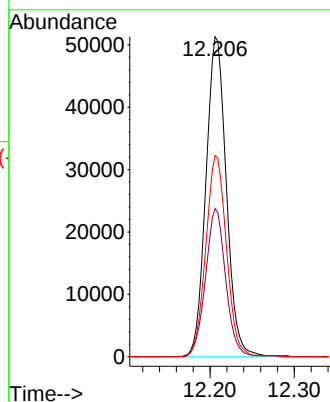
Tgt Ion:146 Resp: 86349

Ion Ratio Lower Upper

146 100

111 46.3 37.4 56.0

148 62.9 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.653 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

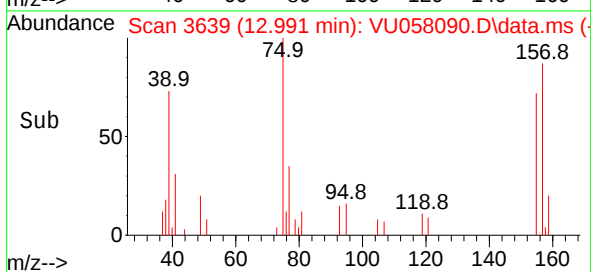
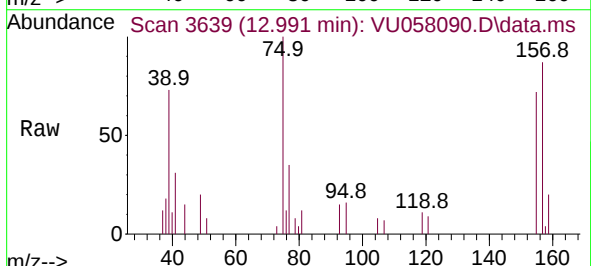
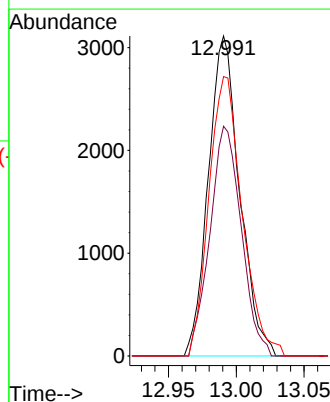
Tgt Ion: 75 Resp: 4997

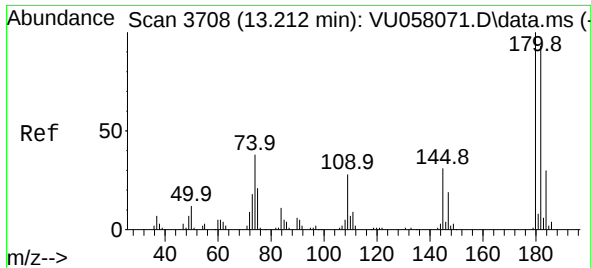
Ion Ratio Lower Upper

75 100

155 71.8 61.0 91.6

157 87.3 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 4.633 ug/L

RT: 13.216 min Scan# 3708

Delta R.T. 0.003 min

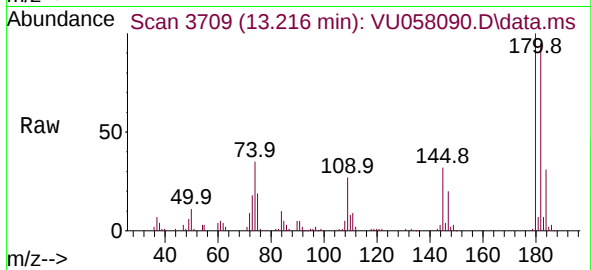
Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 66673

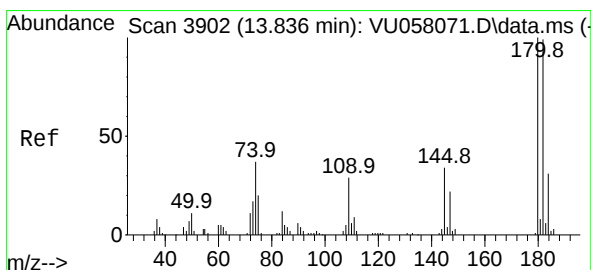
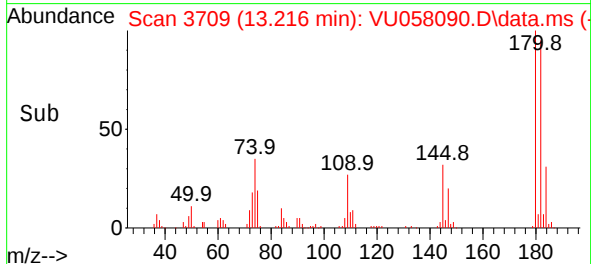
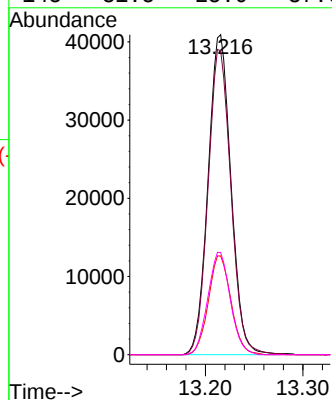
Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

184 30.5 24.6 36.8

145 31.5 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 4.489 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

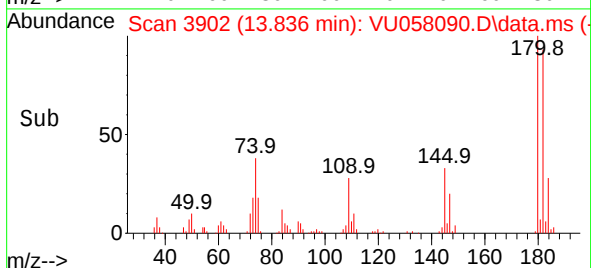
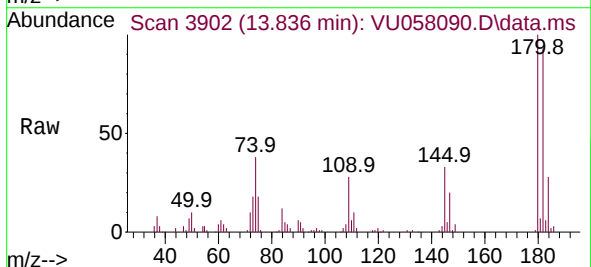
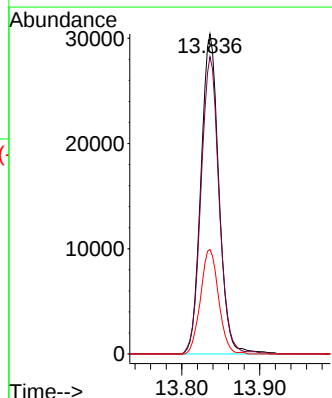
Tgt Ion:180 Resp: 48537

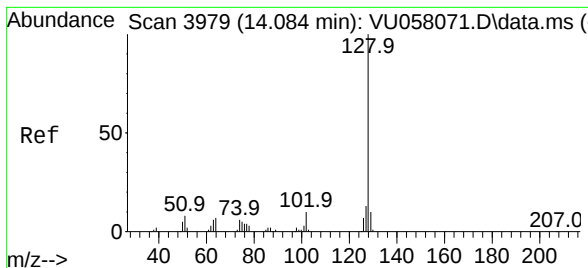
Ion Ratio Lower Upper

180 100

182 94.0 77.9 116.9

145 32.9 25.8 38.8





#71

Naphthalene

Concen: 4.037 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU058090.D

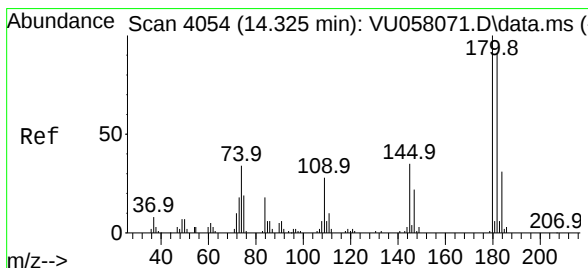
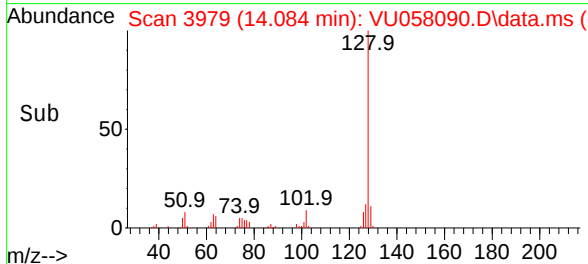
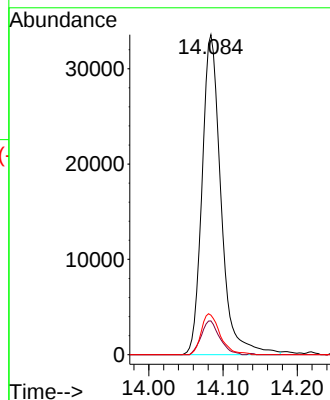
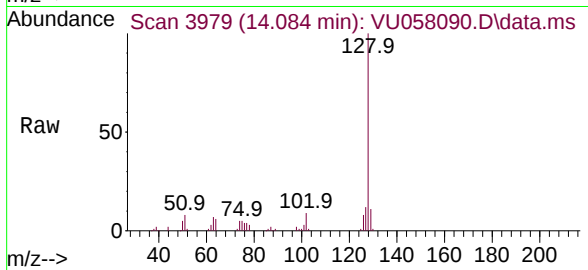
Acq: 13 Mar 2024 18:42

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:128	Resp:	59609
Ion Ratio	Lower	Upper
128	100	
129	10.3	9.0 13.6
127	12.7	10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.495 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU058090.D

Acq: 13 Mar 2024 18:42

Tgt Ion:180	Resp:	38389
Ion Ratio	Lower	Upper
180	100	
182	95.4	77.6 116.4
145	34.5	28.7 43.1

