

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032024\
 Data File : VU058177.D
 Acq On : 20 Mar 2024 16:57
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 01:50:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 21 01:49:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	103531	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	102289	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	50257	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	32134	4.314	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.200%
7) Chloroethane-d5	1.911	69	29862	4.877	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.563	65	14355	4.453	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.000%
20) 2-Butanone-d5	4.624	46	84738	69.042	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.080%#
24) Chloroform-d	5.055	84	74890	5.316	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
26) 1,2-Dichloroethane-d4	5.695	65	36341	5.693	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.800%
32) Benzene-d6	5.721	84	140378	4.709	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.200%
36) 1,2-Dichloropropane-d6	6.682	67	44768	4.940	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.800%
41) Toluene-d8	7.891	98	124771	4.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.174	79	13712	4.400	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.627	63	68827	65.783	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.560%#
56) 1,1,2,2-Tetrachloroeth...	10.750	84	31552	5.678	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	42500	5.135	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.600%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	29746	4.742	ug/L 98
3) Chloromethane	1.518	50	35527	4.843	ug/L 98
5) Vinyl chloride	1.602	62	39684	5.030	ug/L 99
6) Bromomethane	1.856	94	20569	4.950	ug/L 96
8) Chloroethane	1.930	64	26838	5.402	ug/L 99
9) Trichlorofluoromethane	2.136	101	60855	5.414	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	39438	5.612	ug/L 98
12) 1,1-Dichloroethene	2.576	96	33789	5.409	ug/L 90
13) Acetone	2.637	43	62397	68.315	ug/L 100
14) Carbon disulfide	2.788	76	80291	4.157	ug/L 100
15) Methyl Acetate	2.952	43	13519	6.670	ug/L 99
16) Methylene chloride	3.039	84	43099	5.677	ug/L 99
17) Methyl tert-butyl Ether	3.354	73	88096	5.964	ug/L 99
18) trans-1,2-Dichloroethene	3.348	96	35083	5.156	ug/L 98
19) 1,1-Dichloroethane	3.862	63	81276	5.988	ug/L 99
21) 2-Butanone	4.705	43	92894	64.545	ug/L 95
22) cis-1,2-Dichloroethene	4.660	96	43569	5.821	ug/L 97
23) Bromochloromethane	4.968	128	17214	6.193	ug/L 94
25) Chloroform	5.078	83	84595	6.105	ug/L 99

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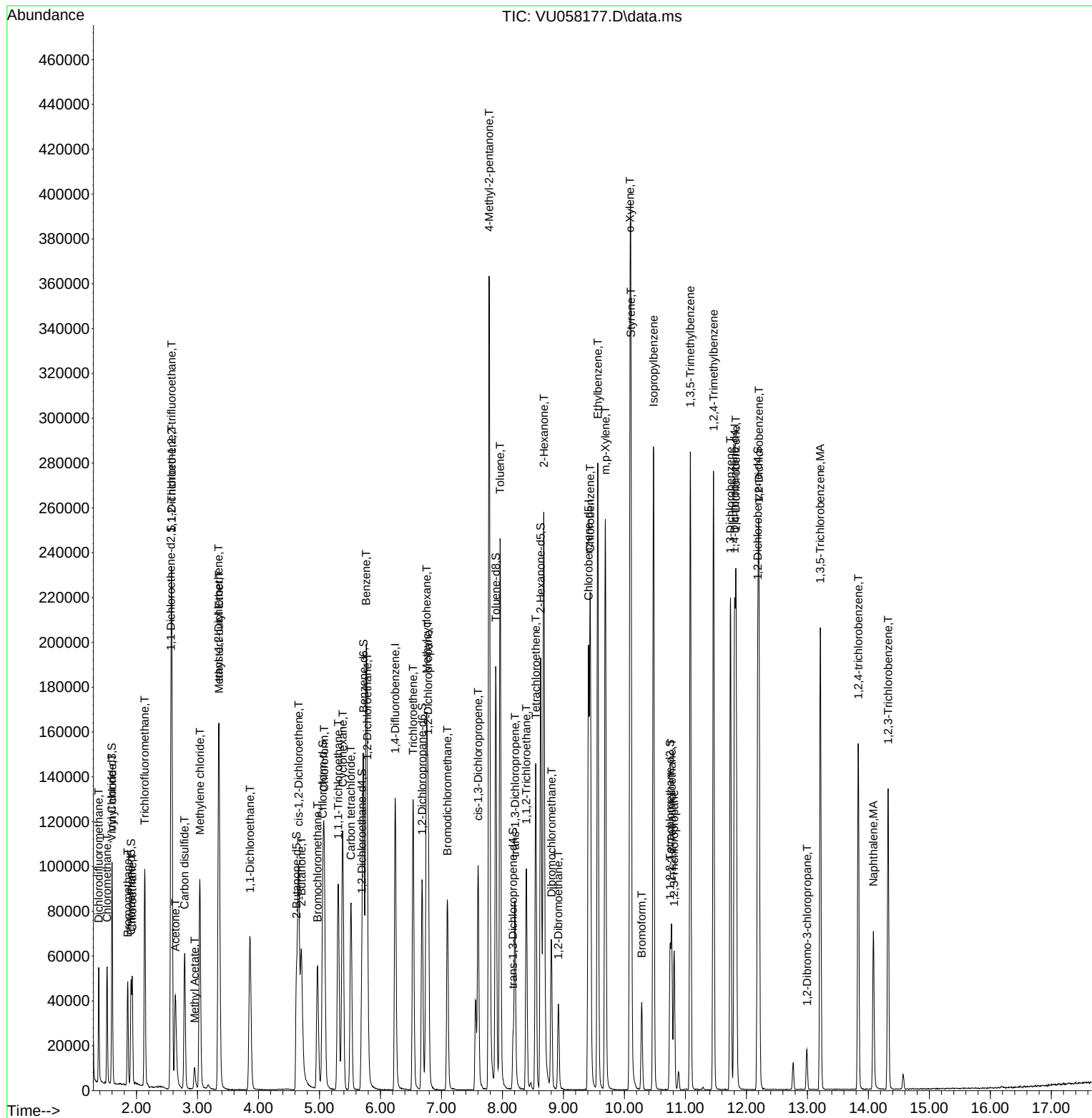
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	48272	6.292	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	66260	5.442	ug/L	97
30) Cyclohexane	5.380	56	56990	4.636	ug/L	98
31) Carbon tetrachloride	5.515	117	56197	5.312	ug/L	98
33) Benzene	5.766	78	171435	5.462	ug/L	100
34) Trichloroethene	6.534	95	46096	5.582	ug/L	94
35) Methylcyclohexane	6.756	83	60878	4.809	ug/L	98
37) 1,2-Dichloropropane	6.782	63	47585	5.879	ug/L	99
38) Bromodichloromethane	7.097	83	56157	5.719	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	60298	5.407	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	246908	66.313	ug/L	100
42) Toluene	7.962	91	178770	5.469	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	48993	5.513	ug/L	95
45) 1,1,2-Trichloroethane	8.393	97	29783	6.206	ug/L	98
47) Tetrachloroethene	8.547	164	29383	5.128	ug/L	96
48) 2-Hexanone	8.679	43	179050	65.573	ug/L	99
49) Dibromochloromethane	8.804	129	32885	5.789	ug/L	99
50) 1,2-Dibromoethane	8.917	107	26079	6.123	ug/L #	96
51) Chlorobenzene	9.441	112	112847	5.505	ug/L	98
52) Ethylbenzene	9.563	91	199011	5.440	ug/L	99
53) m,p-Xylene	9.688	106	70241	5.375	ug/L	96
54) o-Xylene	10.094	106	71257	5.471	ug/L	99
55) Styrene	10.110	104	116430	5.695	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	35643	6.305	ug/L	97
59) Bromoform	10.283	173	16047	5.725	ug/L	99
60) Isopropylbenzene	10.479	105	182607	5.456	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	25790	6.265	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	151058	5.351	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	149903	5.380	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	86563	5.690	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	81472	5.471	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	78352	5.899	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	5082	6.222	ug/L	93
69) 1,3,5-Trichlorobenzene	13.212	180	59682	5.453	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	44529	5.415	ug/L	96
71) Naphthalene	14.084	128	59378	5.288	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	38734	5.964	ug/L	99

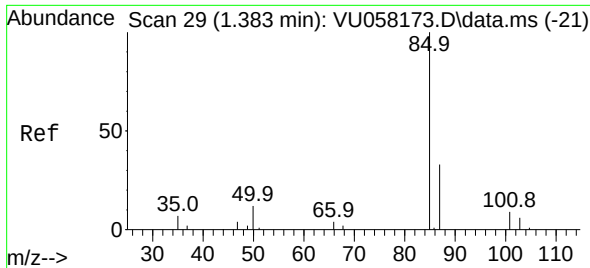
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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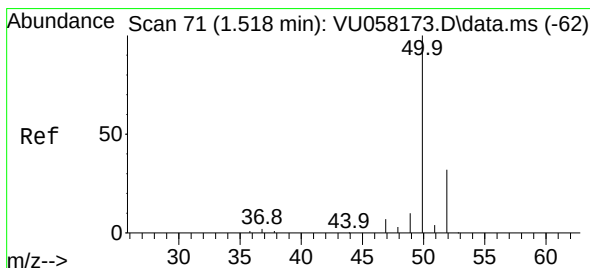
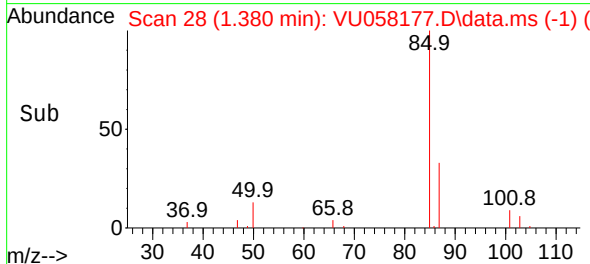
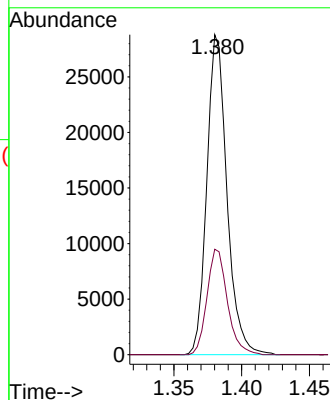
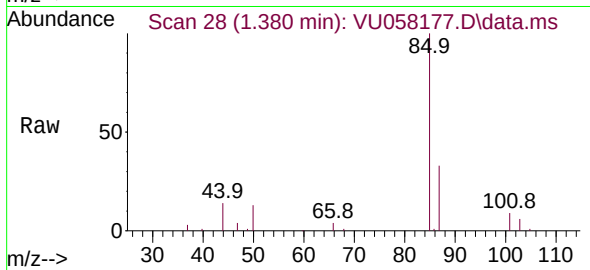




#2
Dichlorodifluoromethane
Concen: 4.742 ug/L
RT: 1.380 min Scan# 29
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

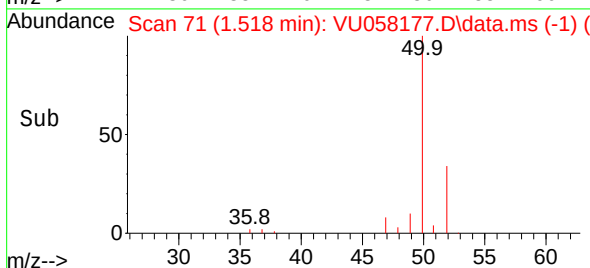
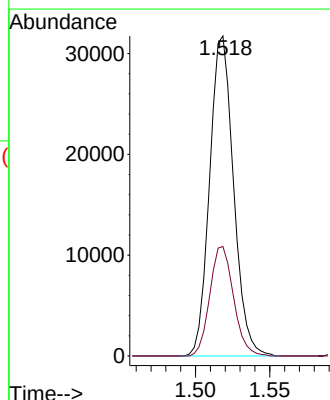
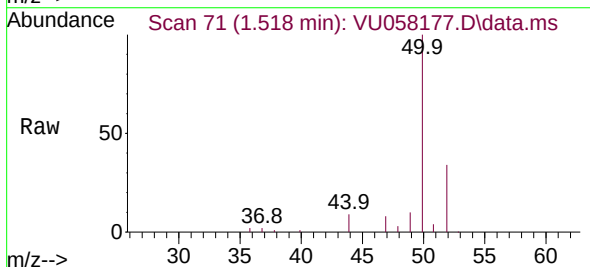
Instrument :
MSVOA_U
ClientSampleId :

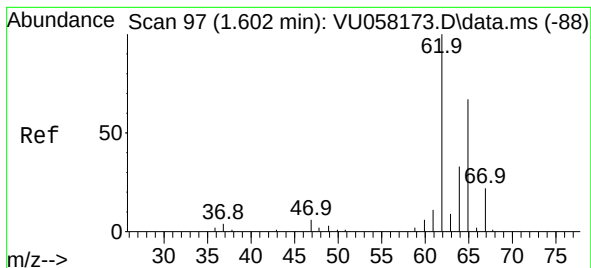
Tgt Ion: 85 Resp: 29746
Ion Ratio Lower Upper
85 100
87 33.4 25.8 38.6



#3
Chloromethane
Concen: 4.843 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion: 50 Resp: 35527
Ion Ratio Lower Upper
50 100
52 34.2 23.1 42.9





#5

Vinyl chloride

Concen: 5.030 ug/L

RT: 1.602 min Scan# 9

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

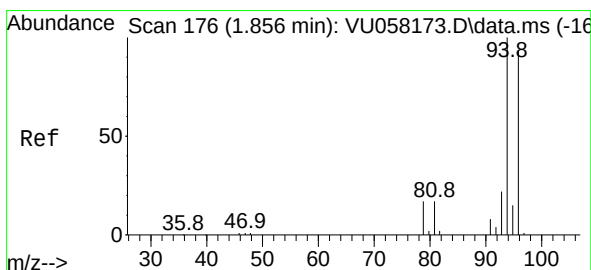
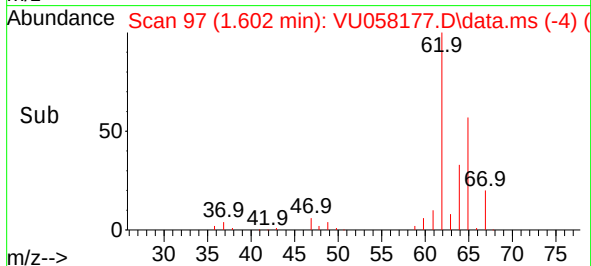
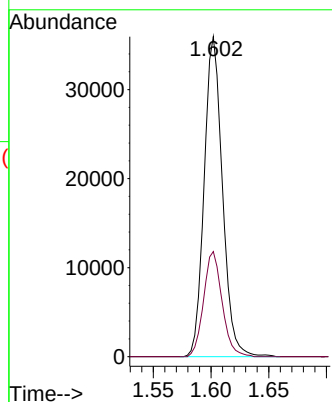
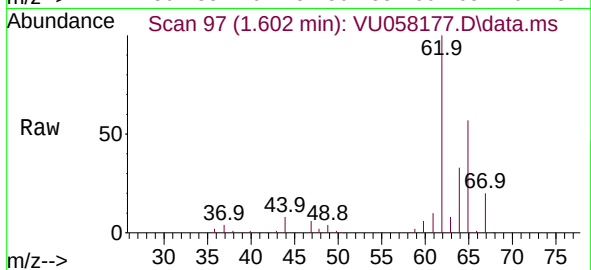
ClientSampleId :

Tgt Ion: 62 Resp: 39684

Ion Ratio Lower Upper

62 100

64 32.9 22.5 41.7



#6

Bromomethane

Concen: 4.950 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU058177.D

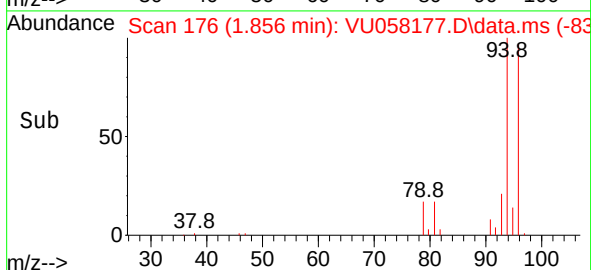
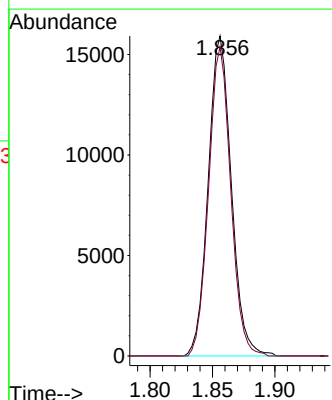
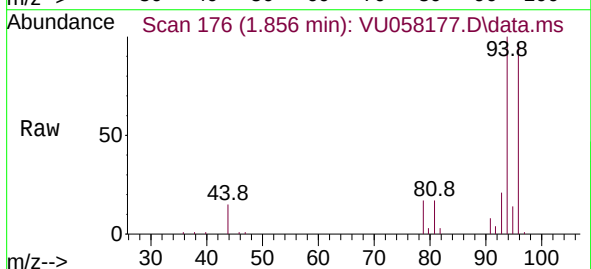
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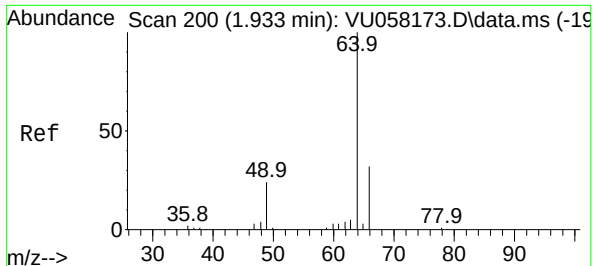
Tgt Ion: 94 Resp: 20569

Ion Ratio Lower Upper

94 100

96 96.7 65.2 121.2

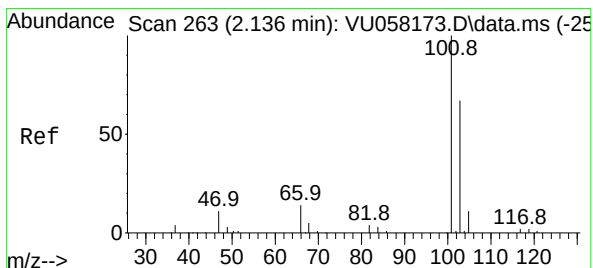
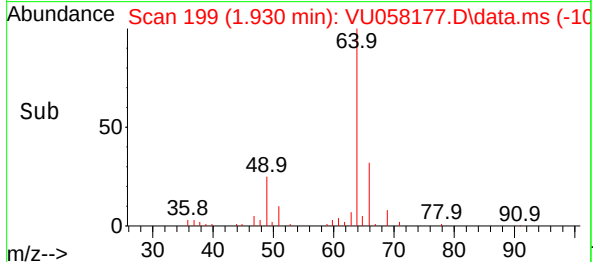
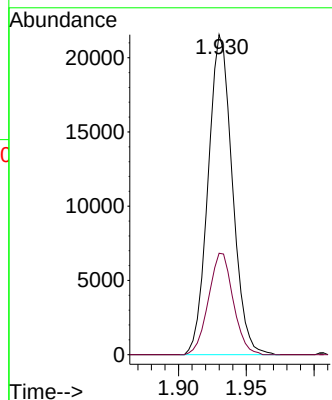
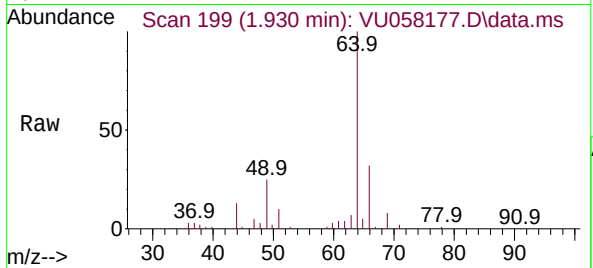




#8
Chloroethane
Concen: 5.402 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

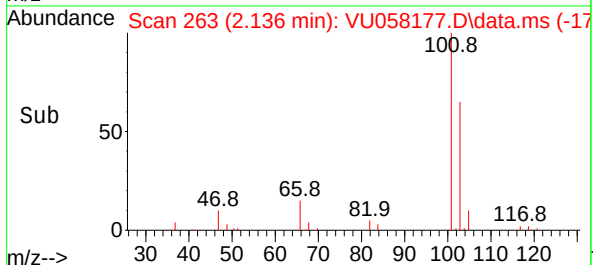
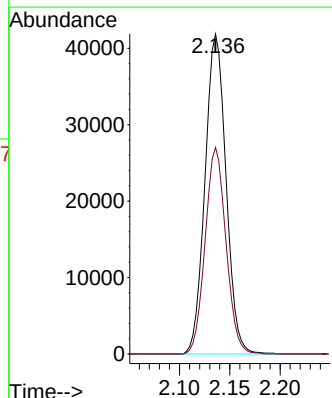
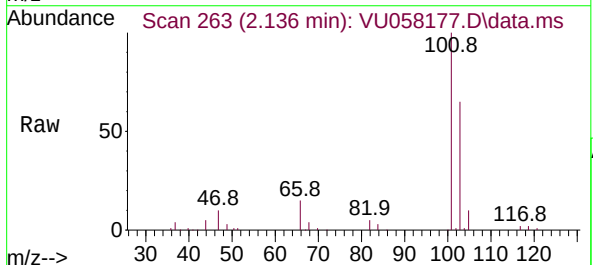
Instrument :
MSVOA_U
ClientSampleId :

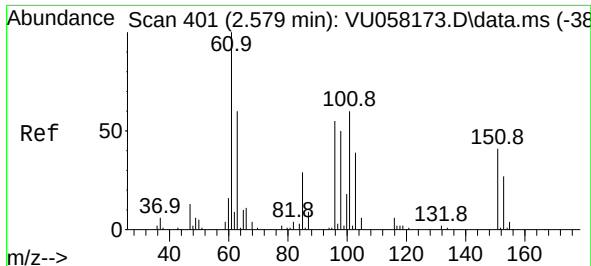
Tgt Ion: 64 Resp: 26838
Ion Ratio Lower Upper
64 100
66 30.2 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.414 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion:101 Resp: 60855
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2

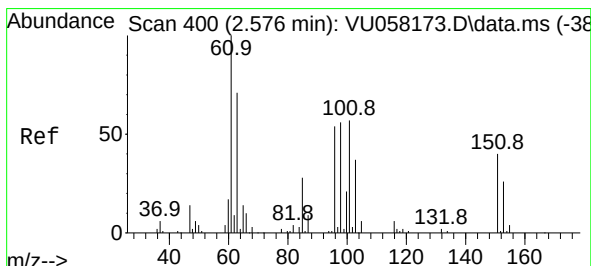
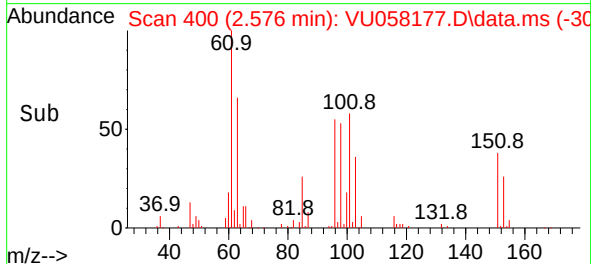
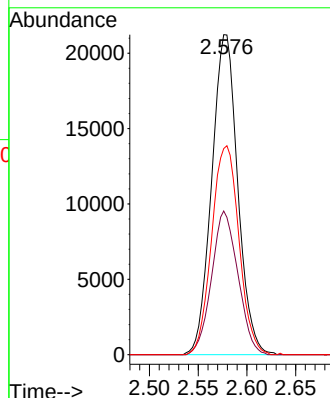
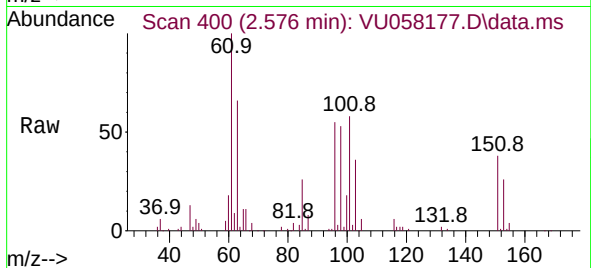




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.612 ug/L
 RT: 2.576 min Scan# 401
 Delta R.T. -0.003 min
 Lab File: VU058177.D
 Acq: 20 Mar 2024 16:57

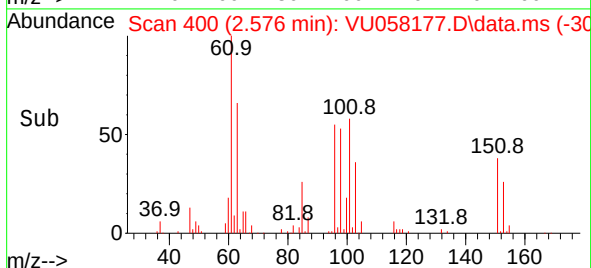
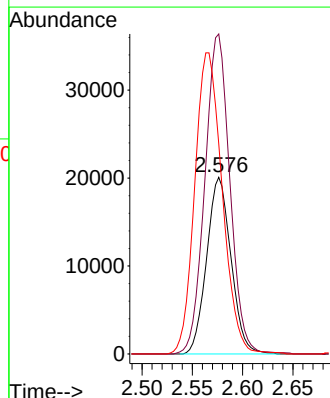
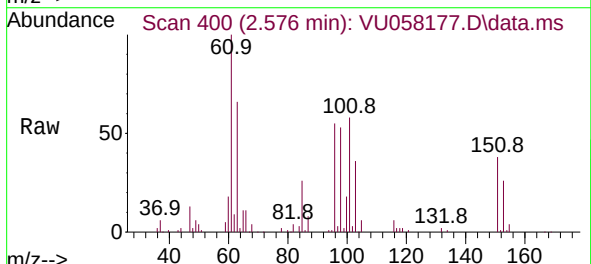
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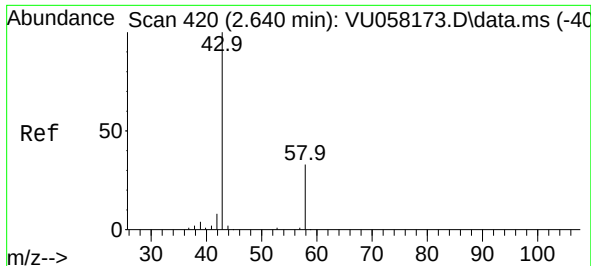
Tgt Ion:101 Resp: 39438
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.3 55.9
 151 68.5 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 5.409 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU058177.D
 Acq: 20 Mar 2024 16:57

Tgt Ion: 96 Resp: 33789
 Ion Ratio Lower Upper
 96 100
 61 181.1 131.8 244.8
 63 118.9 98.1 182.1





#13

Acetone

Concen: 68.315 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

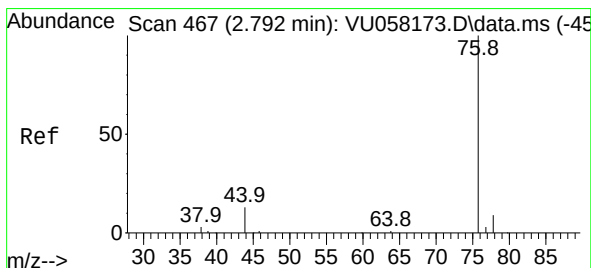
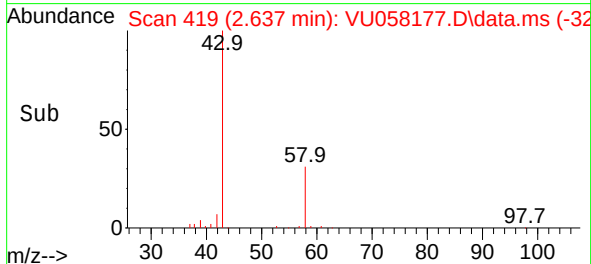
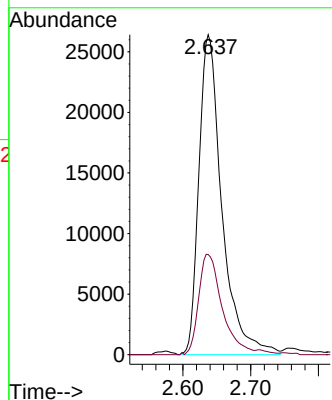
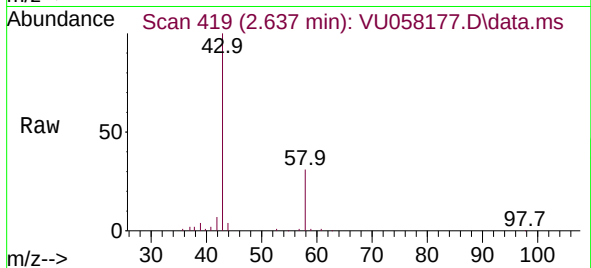
ClientSampleId :

Tgt Ion: 43 Resp: 62397

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.6



#14

Carbon disulfide

Concen: 4.157 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU058177.D

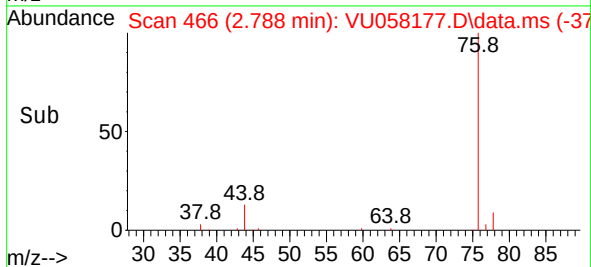
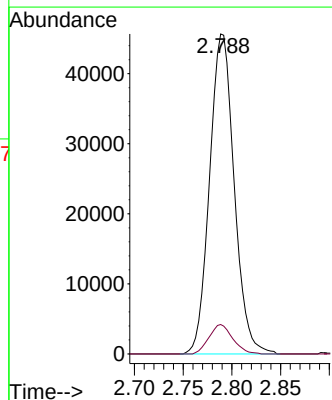
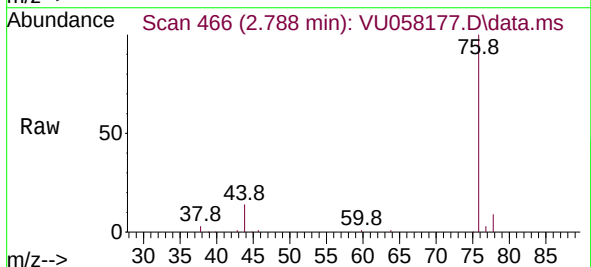
Acq: 20 Mar 2024 16:57

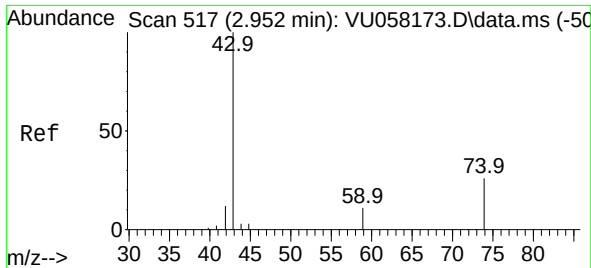
Tgt Ion: 76 Resp: 80291

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 6.670 ug/L

RT: 2.952 min Scan# 517

Delta R.T. 0.000 min

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Instrument :

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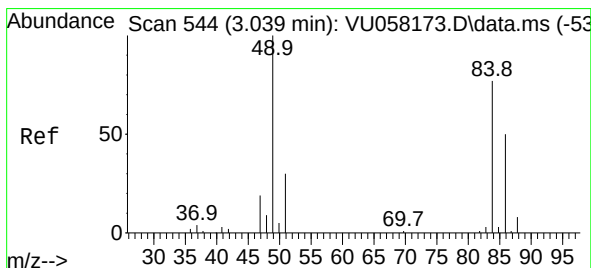
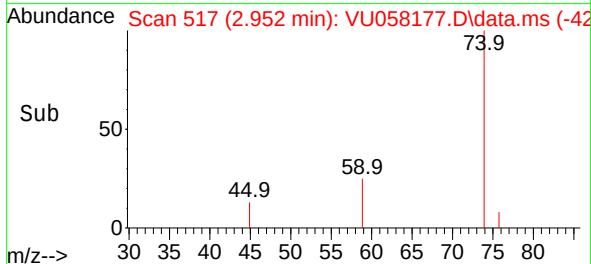
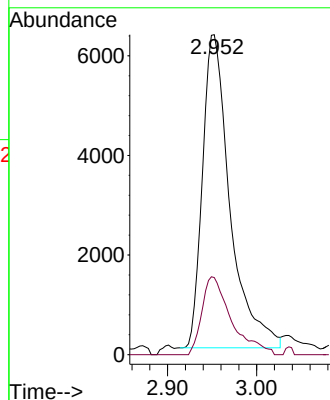
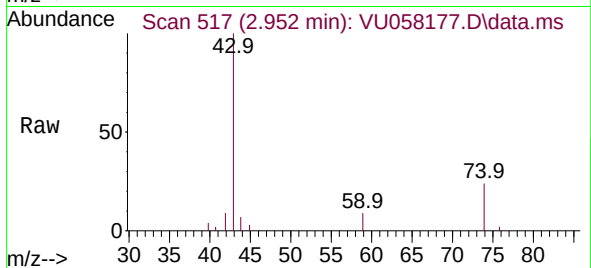
ClientSampleId :

Tgt Ion: 43 Resp: 13519

Ion Ratio Lower Upper

43 100

74 26.4 20.6 31.0



#16

Methylene chloride

Concen: 5.677 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

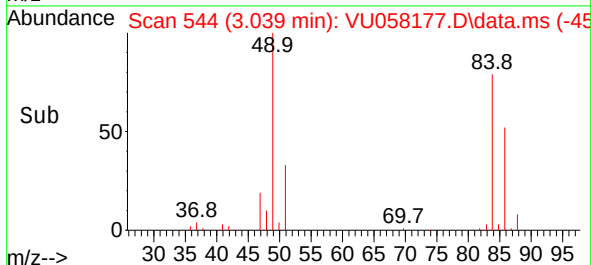
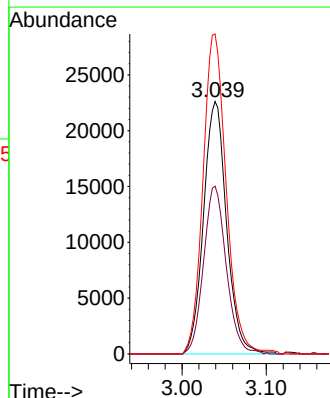
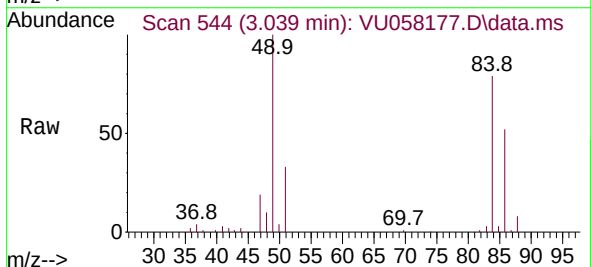
Tgt Ion: 84 Resp: 43099

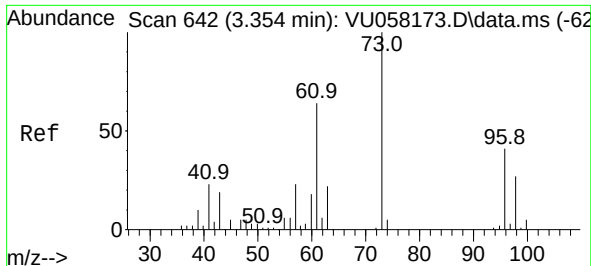
Ion Ratio Lower Upper

84 100

86 66.5 44.4 82.4

49 126.7 88.8 165.0

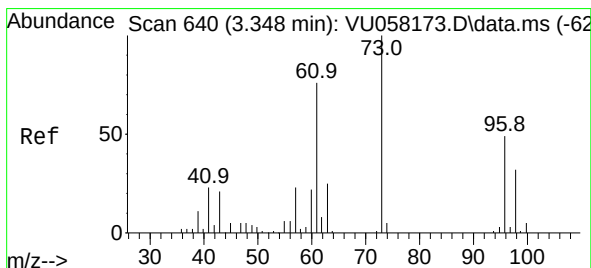
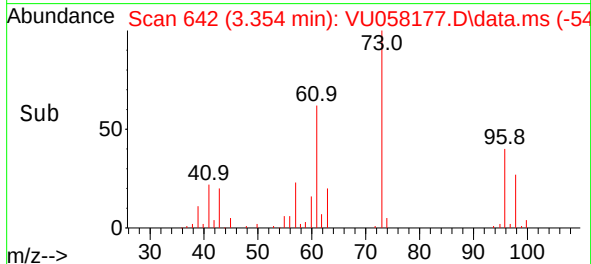
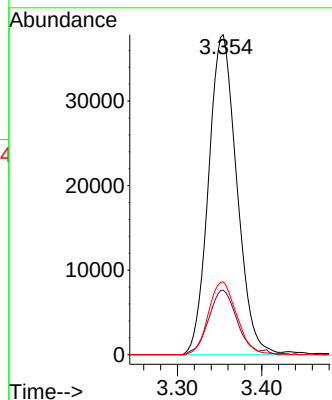
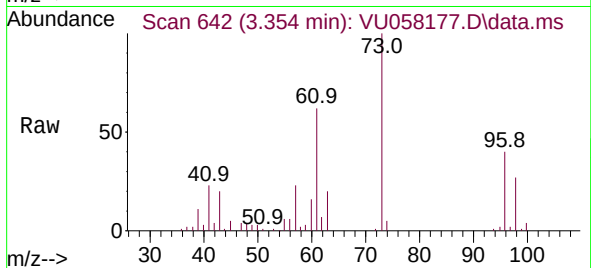




#17
Methyl tert-butyl Ether
Concen: 5.964 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

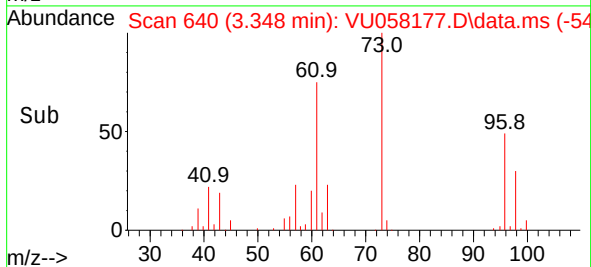
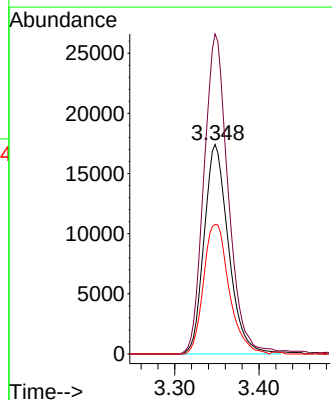
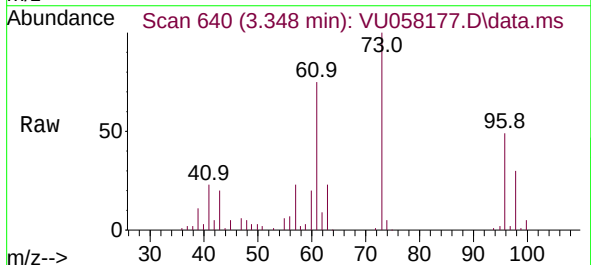
Instrument :
MSVOA_U
ClientSampleId :

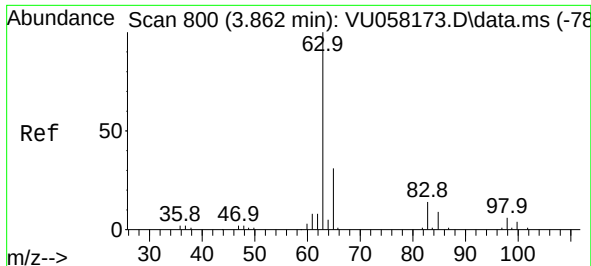
Tgt Ion: 73	Resp: 88096
Ion Ratio	Lower Upper
73 100	
43 20.1	16.2 24.4
57 22.8	17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.156 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

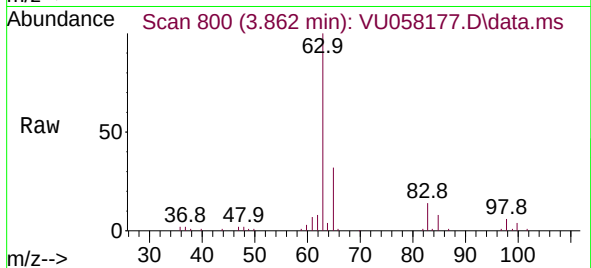
Tgt Ion: 96	Resp: 35083
Ion Ratio	Lower Upper
96 100	
61 152.7	107.7 199.9
98 61.8	45.8 85.0



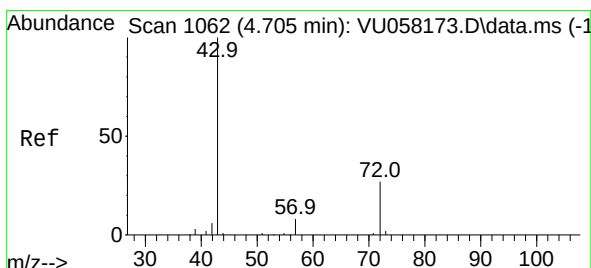
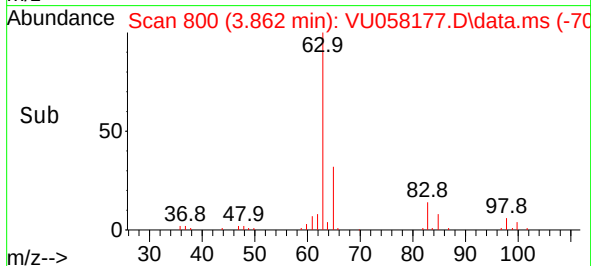
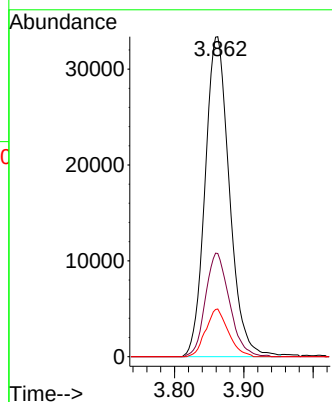


#19
1,1-Dichloroethane
Concen: 5.988 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Instrument :
MSVOA_U
ClientSampleId :

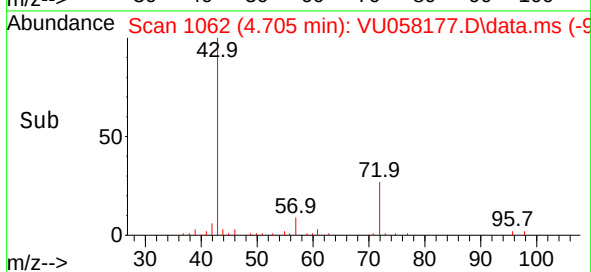
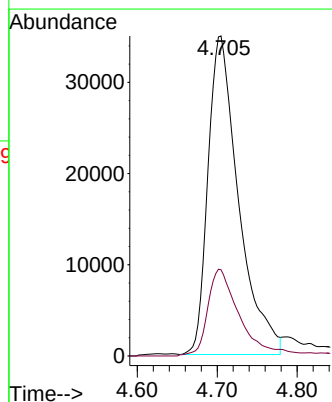
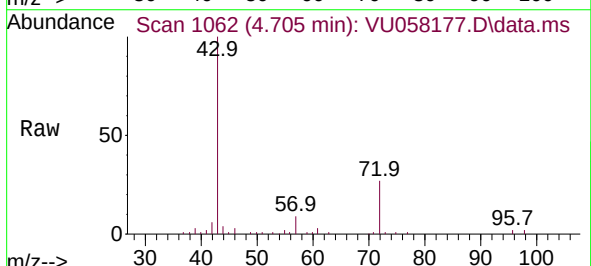


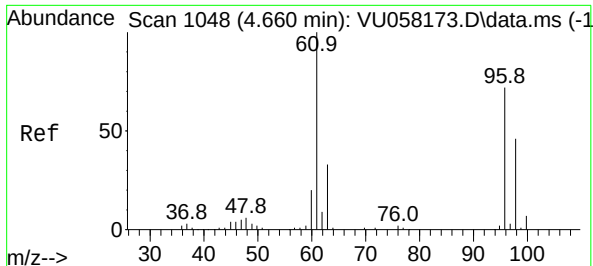
Tgt Ion: 63 Resp: 81276
Ion Ratio Lower Upper
63 100
65 31.7 22.1 41.1
83 14.3 9.0 16.6



#21
2-Butanone
Concen: 64.545 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion: 43 Resp: 92894
Ion Ratio Lower Upper
43 100
72 28.4 13.0 39.0

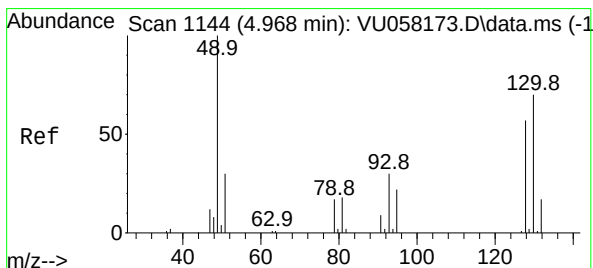
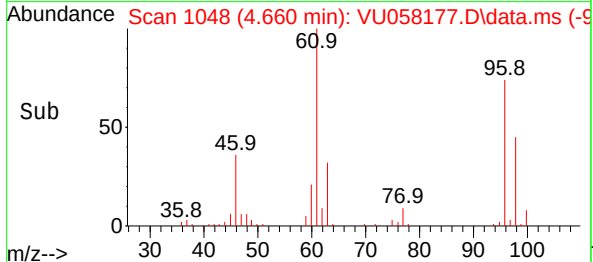
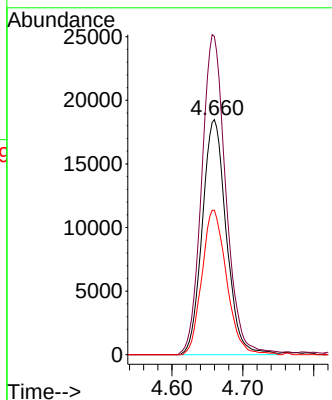
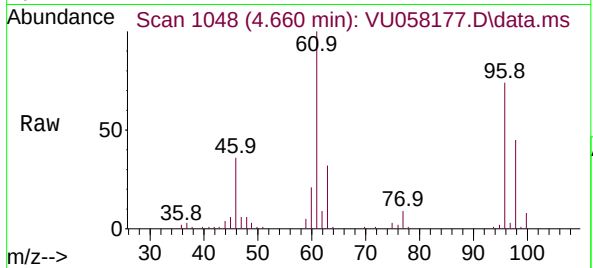




#22
 cis-1,2-Dichloroethene
 Concen: 5.821 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU058177.D
 Acq: 20 Mar 2024 16:57

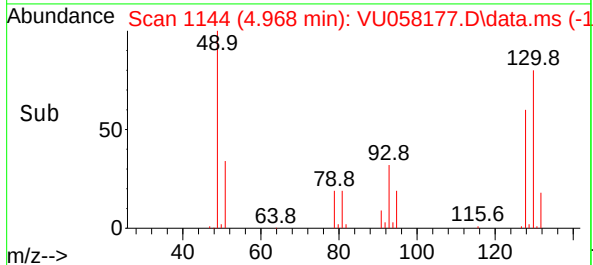
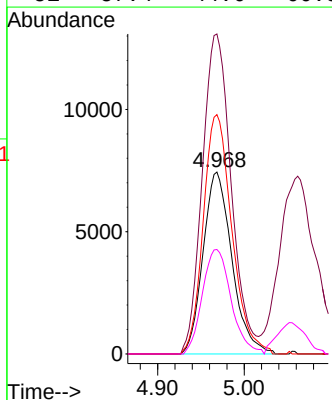
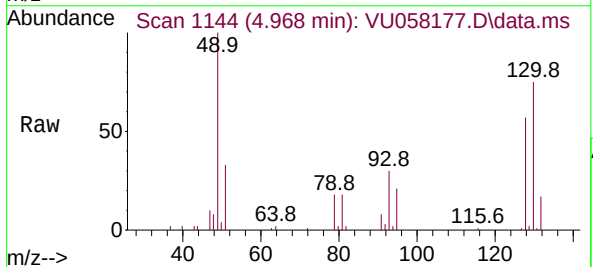
Instrument :
 MSVOA_U
 ClientSampleId :

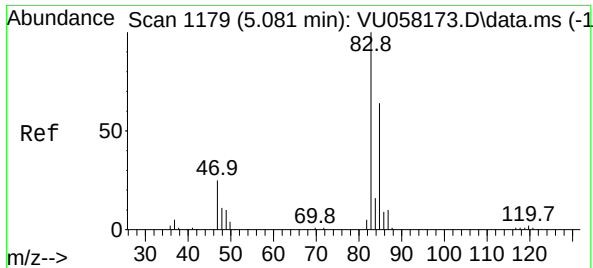
Tgt Ion: 96 Resp: 43569
 Ion Ratio Lower Upper
 96 100
 61 135.5 97.2 180.4
 98 61.5 45.5 84.5



#23
 Bromochloromethane
 Concen: 6.193 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU058177.D
 Acq: 20 Mar 2024 16:57

Tgt Ion:128 Resp: 17214
 Ion Ratio Lower Upper
 128 100
 49 183.0 122.0 226.6
 130 131.5 86.6 160.8
 51 57.4 44.6 66.8

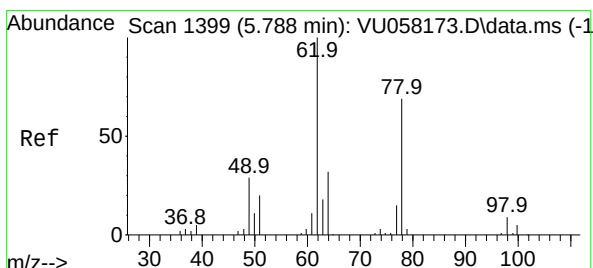
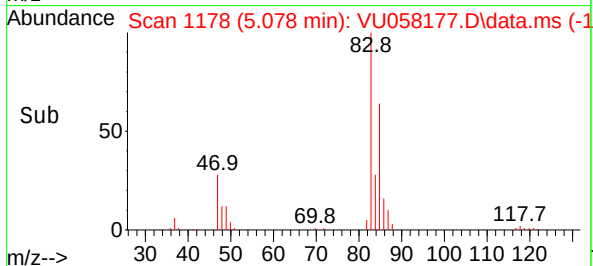
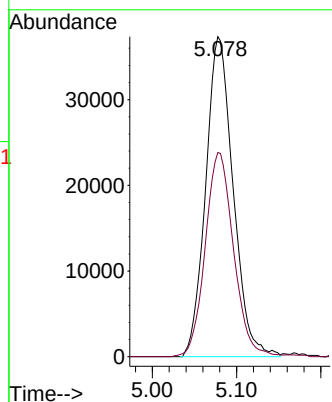
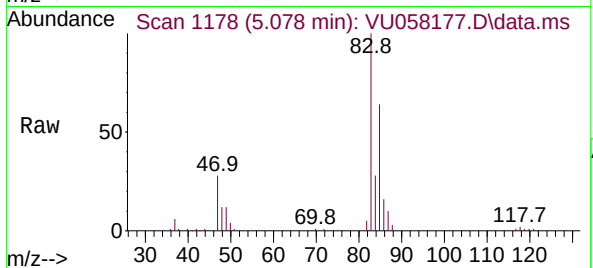




#25
Chloroform
Concen: 6.105 ug/L
RT: 5.078 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

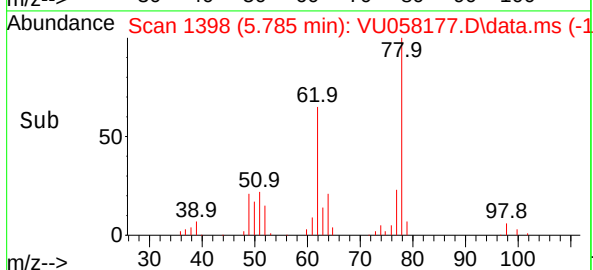
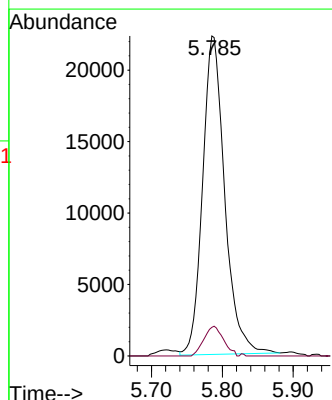
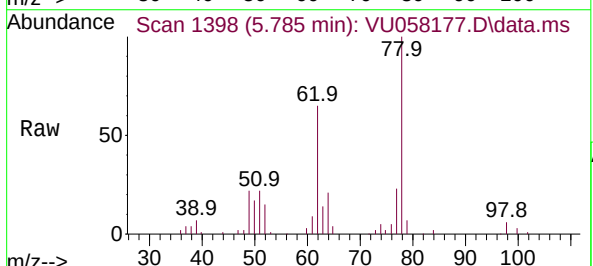
Instrument :
MSVOA_U
ClientSampleId :

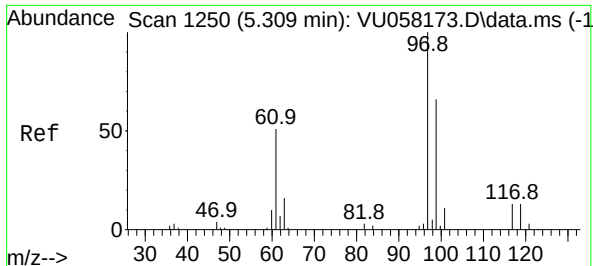
Tgt Ion: 83 Resp: 84595
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 6.292 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion: 62 Resp: 48272
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4

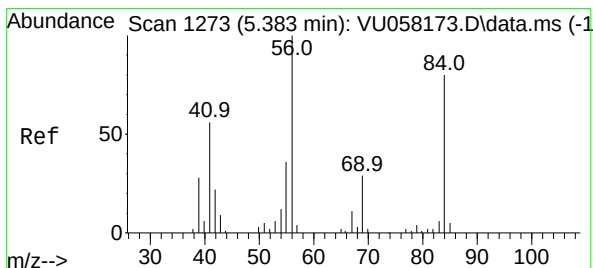
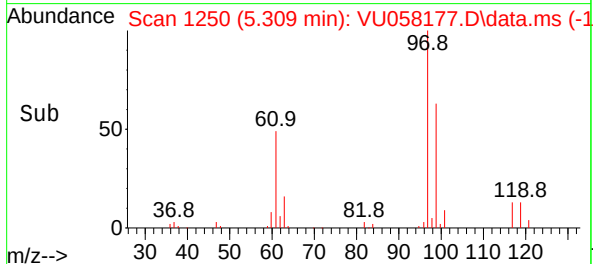
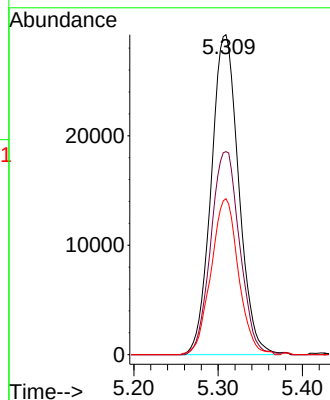
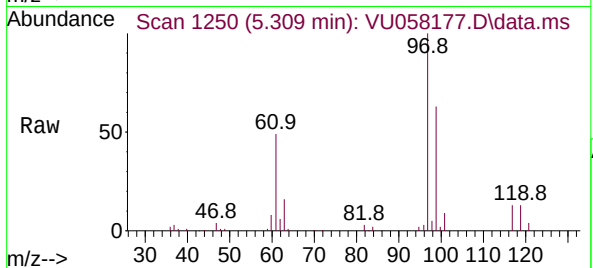




#29
1,1,1-Trichloroethane
Concen: 5.442 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

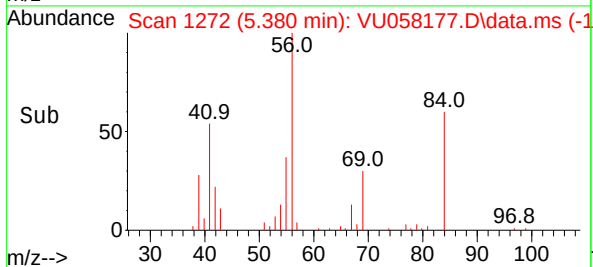
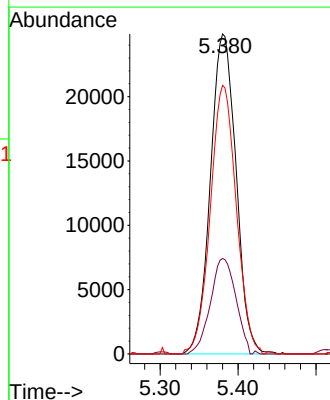
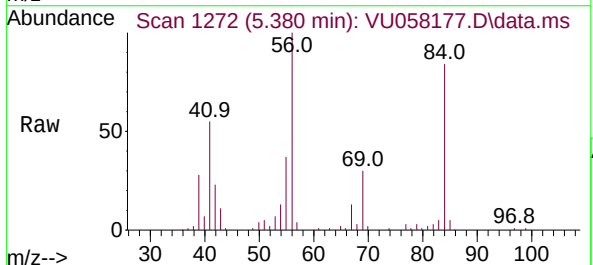
Instrument :
MSVOA_U
ClientSampleId :

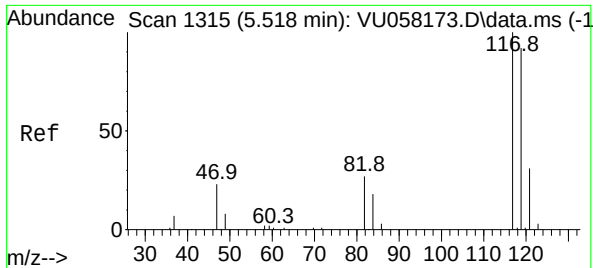
Tgt Ion:	97	Resp:	66260
Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.2	76.8
61	48.6	37.4	56.2



#30
Cyclohexane
Concen: 4.636 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion:	56	Resp:	56990
Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.2	36.2
84	84.8	66.6	99.8

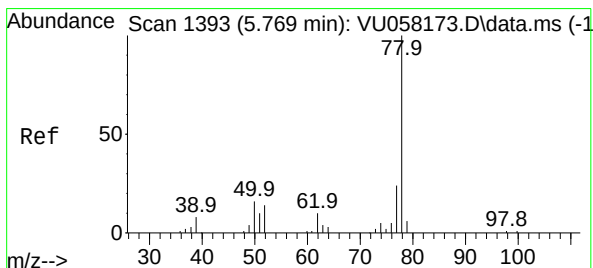
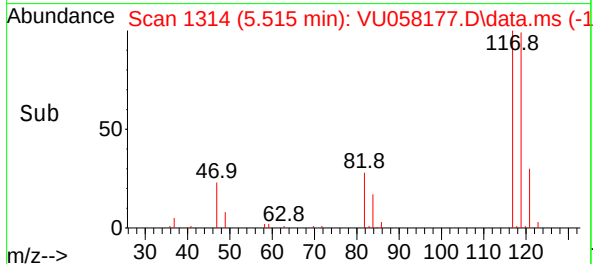
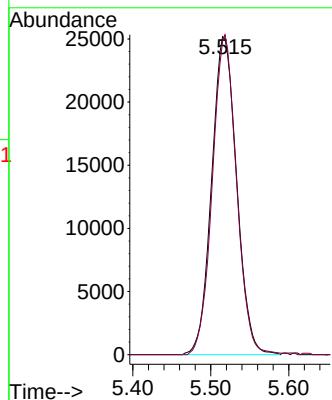
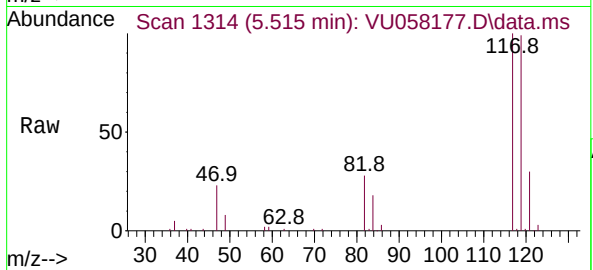




#31
Carbon tetrachloride
Concen: 5.312 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

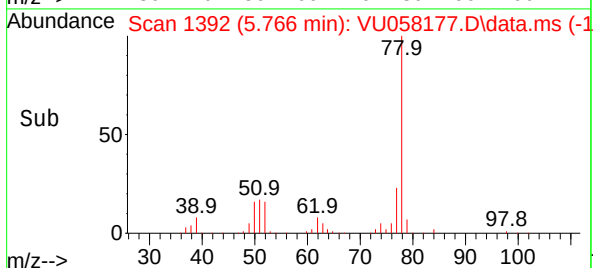
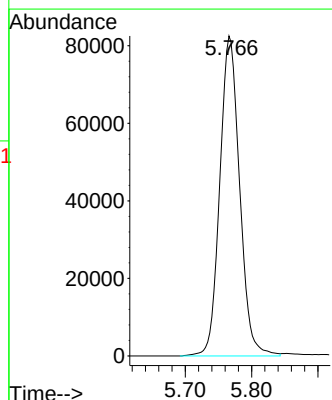
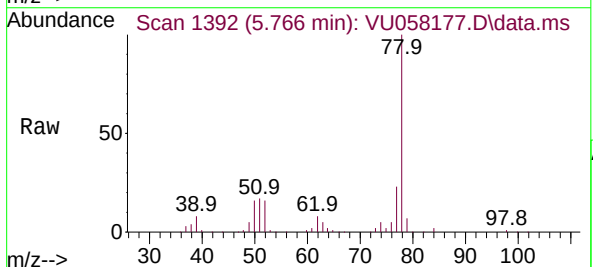
Instrument :
MSVOA_U
ClientSampleId :

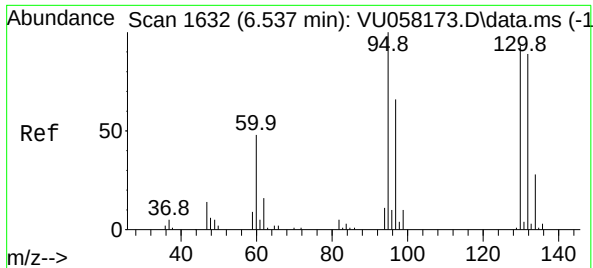
Tgt Ion:117 Resp: 56197
Ion Ratio Lower Upper
117 100
119 96.8 75.8 113.8



#33
Benzene
Concen: 5.462 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion: 78 Resp: 171435

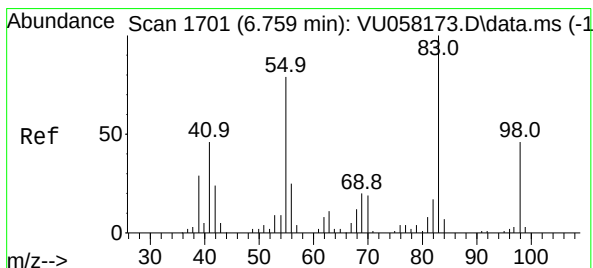
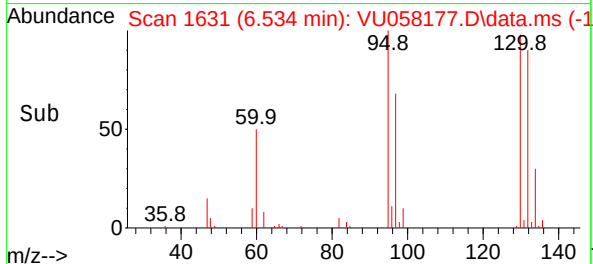
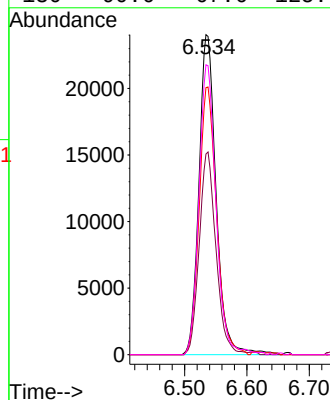
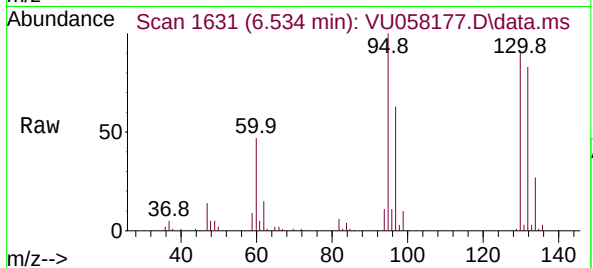




#34
Trichloroethene
Concen: 5.582 ug/L
RT: 6.534 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

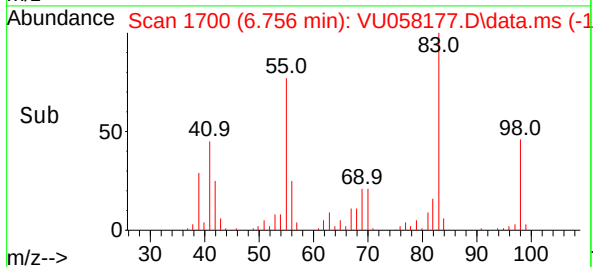
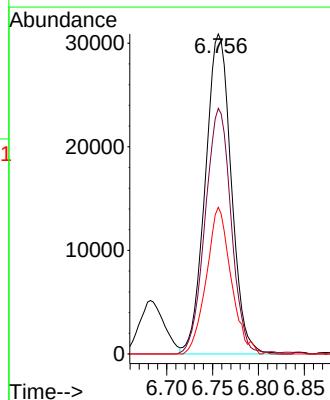
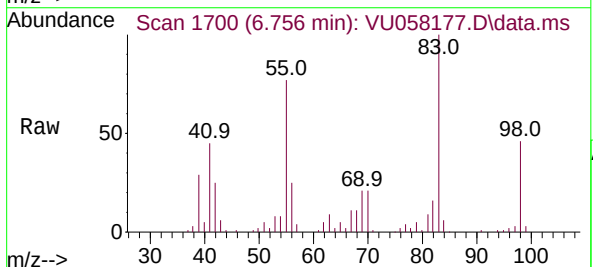
Instrument :
MSVOA_U
ClientSampleId :

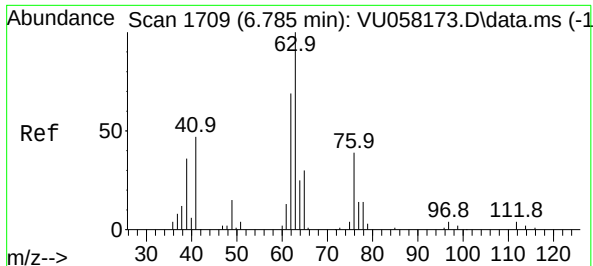
Tgt Ion: 95 Resp: 46096
Ion Ratio Lower Upper
95 100
97 62.7 45.3 84.1
132 83.4 63.1 117.1
130 90.6 67.6 125.6



#35
Methylcyclohexane
Concen: 4.809 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion: 83 Resp: 60878
Ion Ratio Lower Upper
83 100
55 76.7 63.0 94.6
98 43.5 36.2 54.4

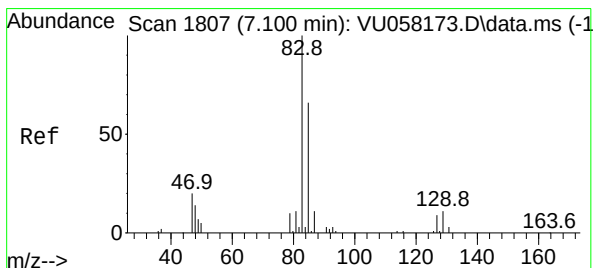
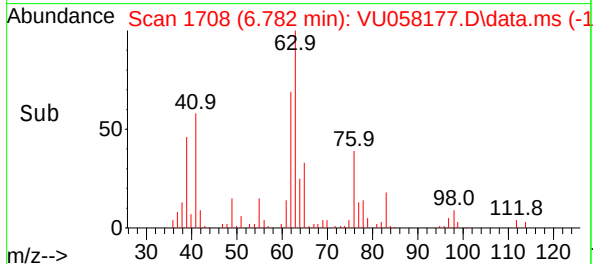
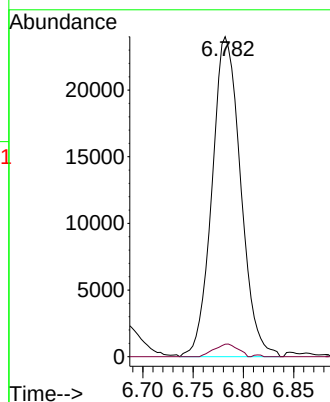
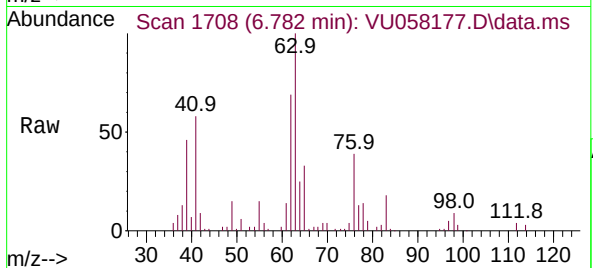




#37
1,2-Dichloropropane
Concen: 5.879 ug/L
RT: 6.782 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

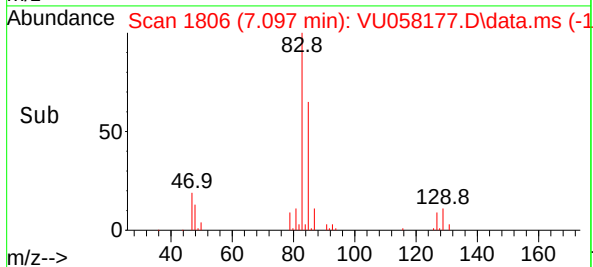
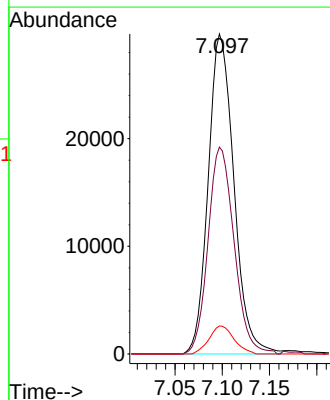
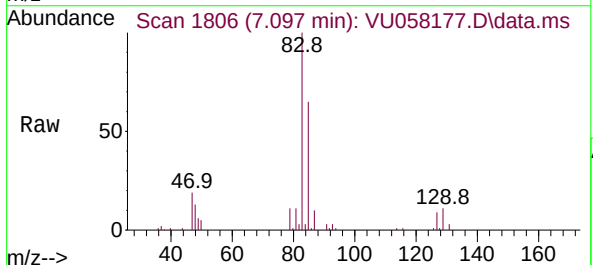
Instrument :
MSVOA_U
ClientSampleId :

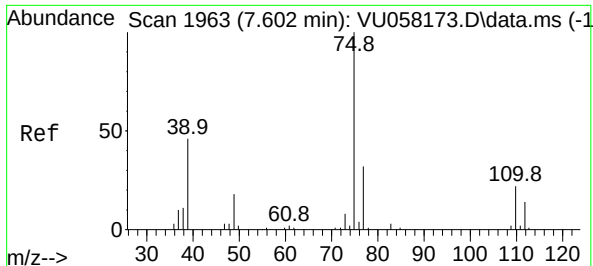
Tgt Ion: 63 Resp: 47585
Ion Ratio Lower Upper
63 100
112 3.2 3.0 4.4



#38
Bromodichloromethane
Concen: 5.719 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion: 83 Resp: 56157
Ion Ratio Lower Upper
83 100
85 64.6 44.5 82.7
127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.407 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

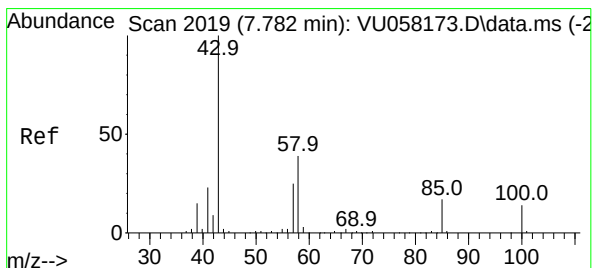
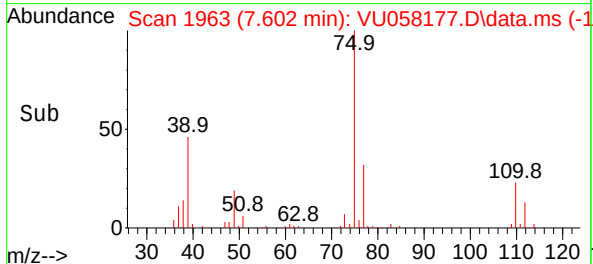
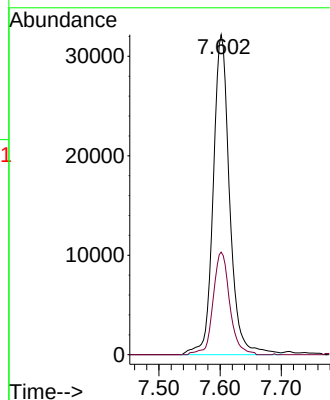
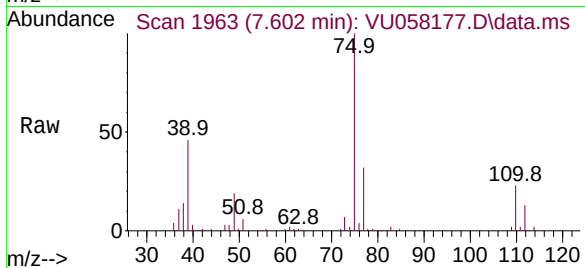
ClientSampleId :

Tgt Ion: 75 Resp: 60298

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 66.313 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

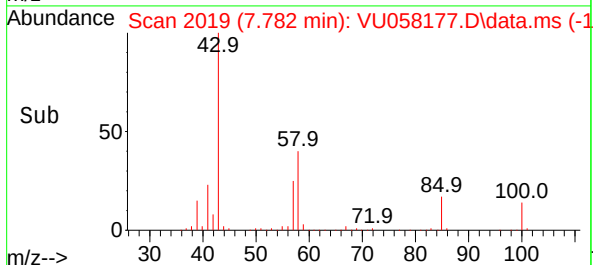
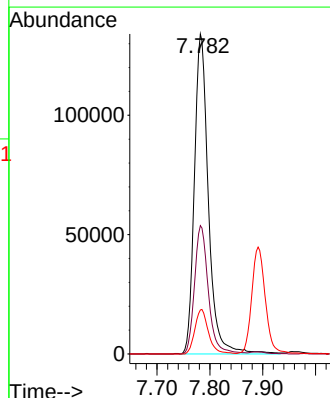
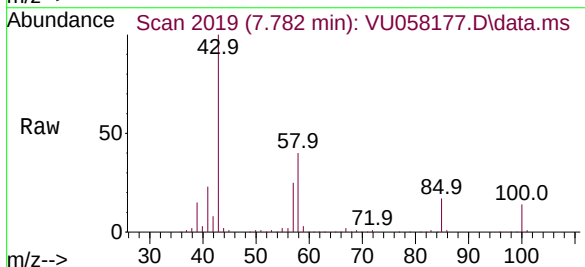
Tgt Ion: 43 Resp: 246908

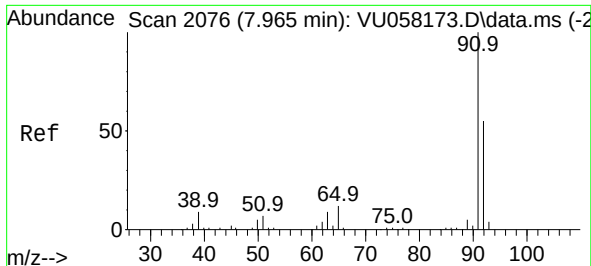
Ion Ratio Lower Upper

43 100

58 39.6 31.7 47.5

100 13.5 11.3 16.9





#42

Toluene

Concen: 5.469 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

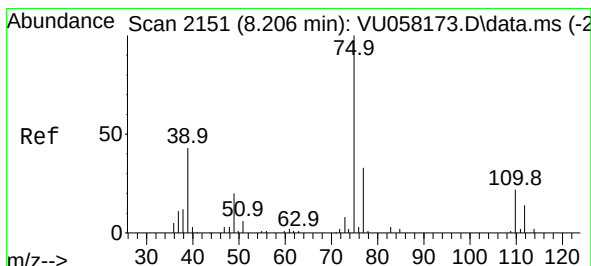
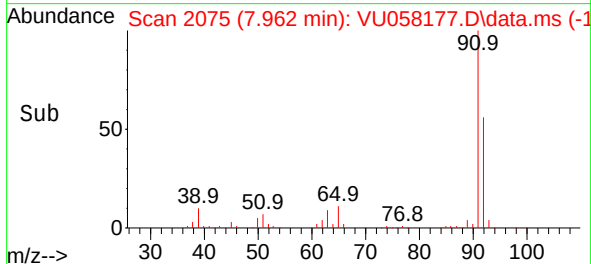
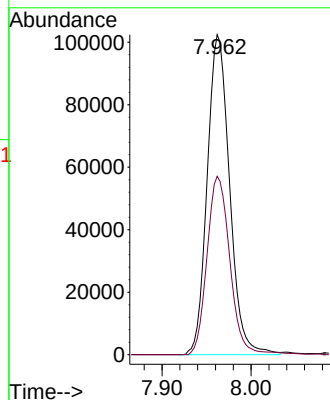
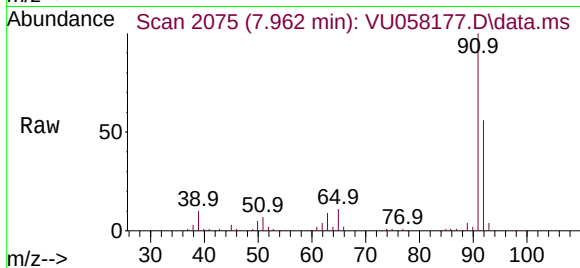
ClientSampleId :

Tgt Ion: 91 Resp: 178770

Ion Ratio Lower Upper

91 100

92 55.8 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.513 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU058177.D

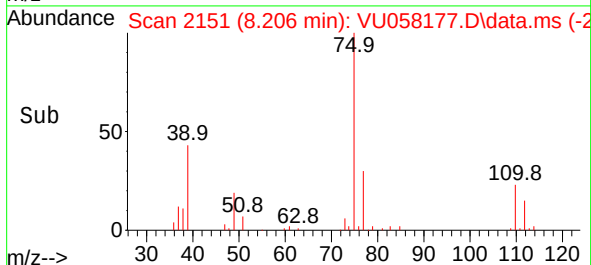
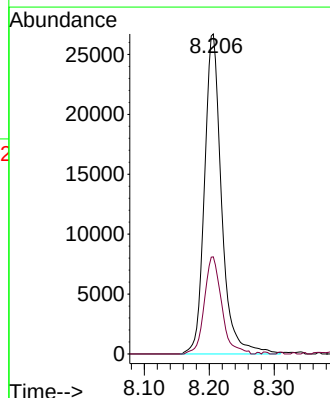
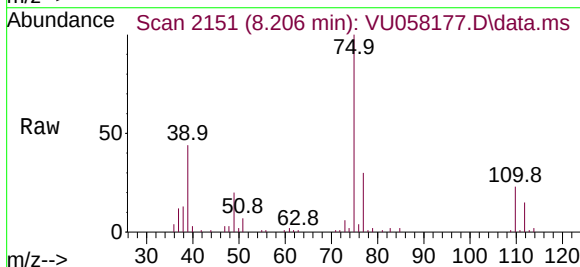
Acq: 20 Mar 2024 16:57

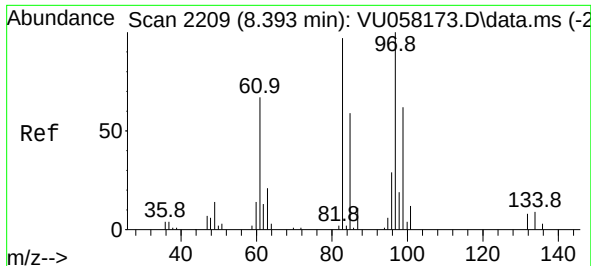
Tgt Ion: 75 Resp: 48993

Ion Ratio Lower Upper

75 100

77 30.4 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 6.206 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 29783

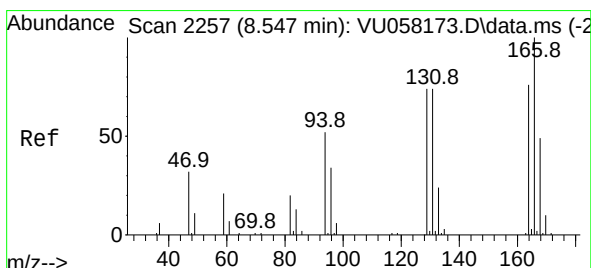
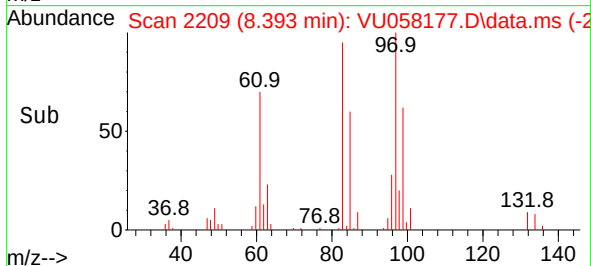
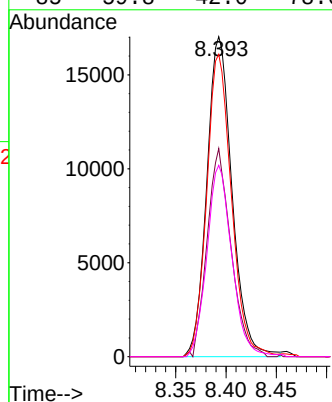
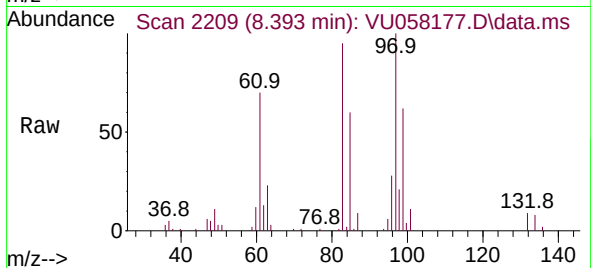
Ion Ratio Lower Upper

97 100

99 65.1 44.2 82.2

83 94.5 64.2 119.2

85 59.8 42.0 78.0



#47

Tetrachloroethene

Concen: 5.128 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Tgt Ion:164 Resp: 29383

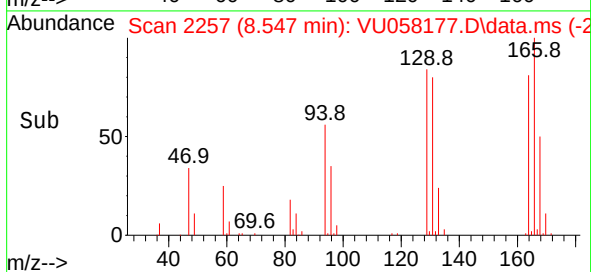
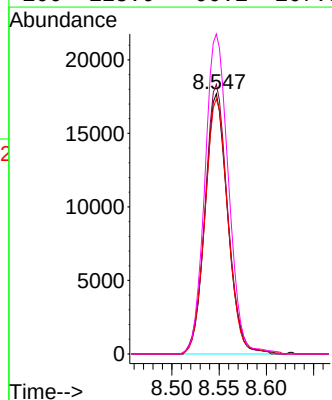
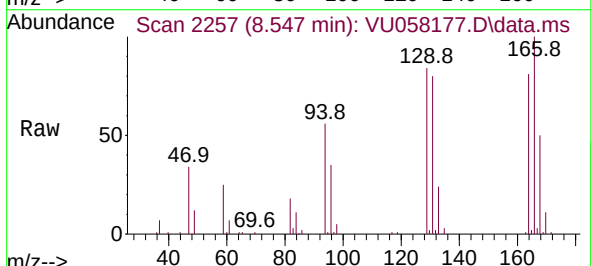
Ion Ratio Lower Upper

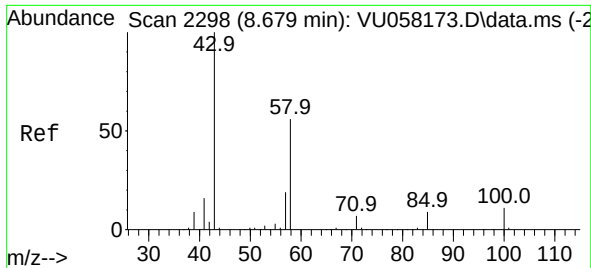
164 100

129 103.7 69.3 128.7

131 98.1 69.9 129.9

166 123.0 90.1 167.3

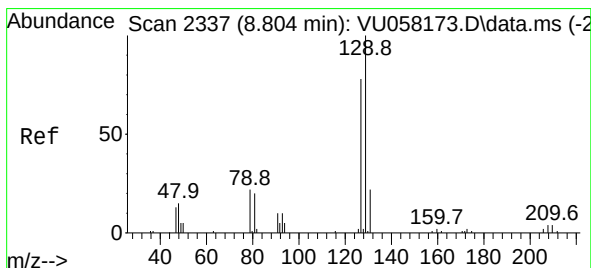
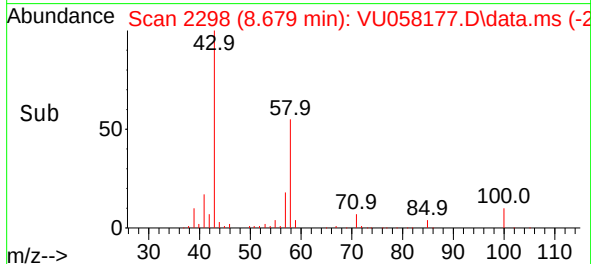
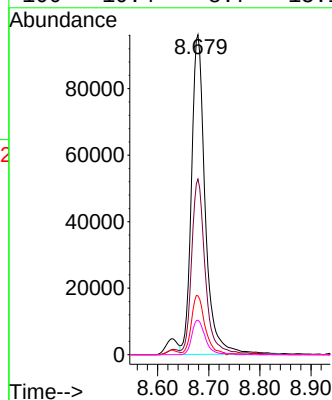
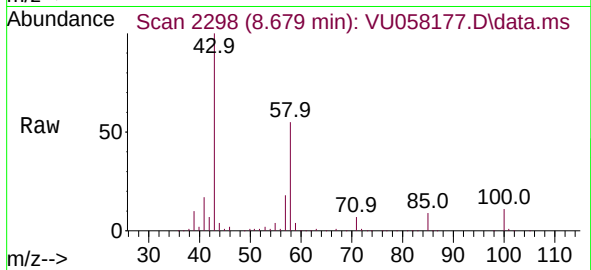




#48
2-Hexanone
Concen: 65.573 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

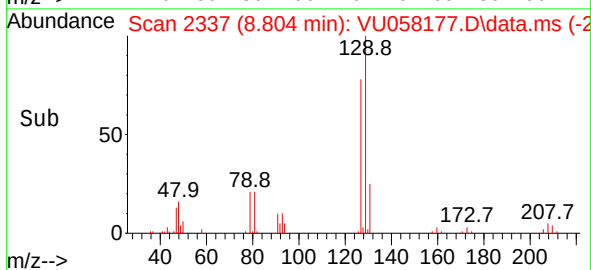
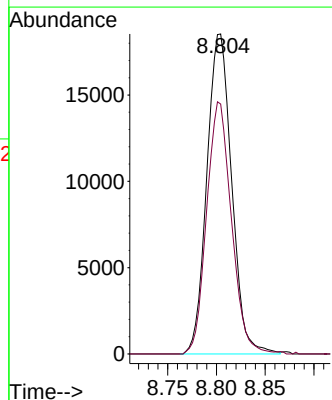
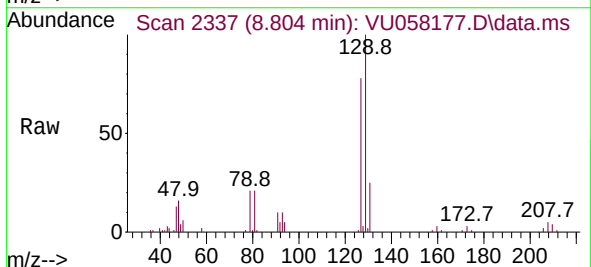
Instrument :
MSVOA_U
ClientSampleId :

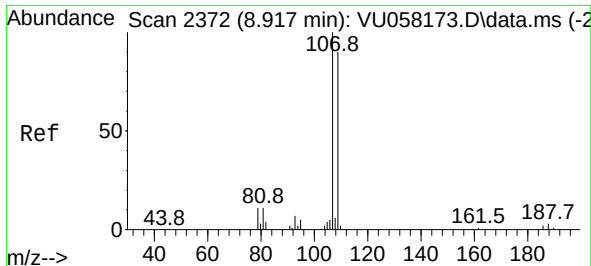
Tgt Ion:	43	Resp:	179050
Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.3	64.9
57	18.5	15.2	22.8
100	10.4	8.7	13.1



#49
Dibromochloromethane
Concen: 5.789 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion:	129	Resp:	32885
Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.2	102.6





#50

1,2-Dibromoethane

Concen: 6.123 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

ClientSampleId :

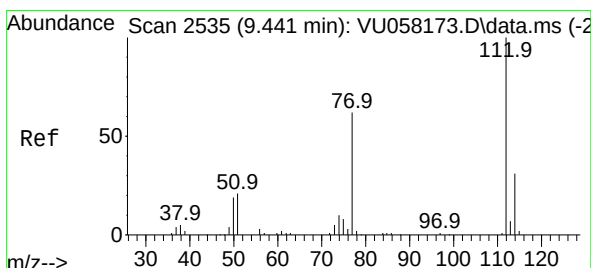
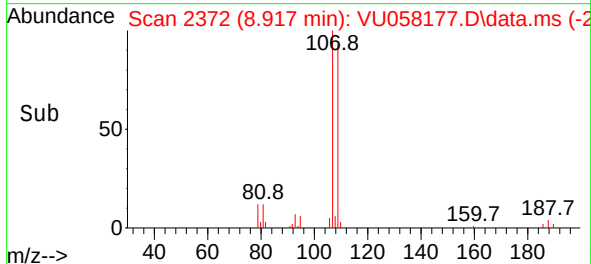
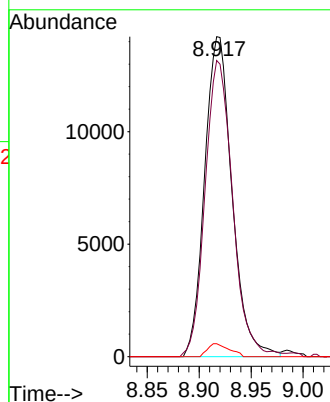
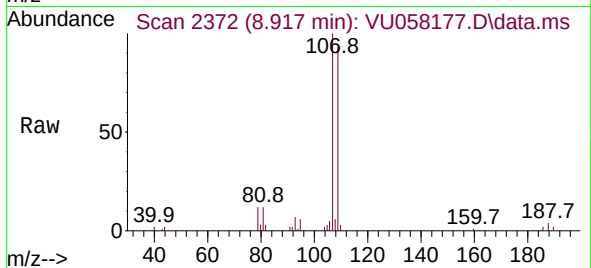
Tgt Ion:107 Resp: 26079

Ion Ratio Lower Upper

107 100

109 92.5 67.8 125.8

188 4.0 2.4 3.6#



#51

Chlorobenzene

Concen: 5.505 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

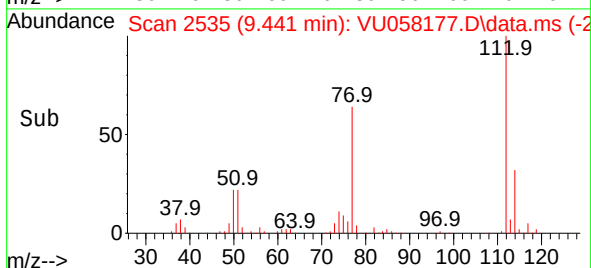
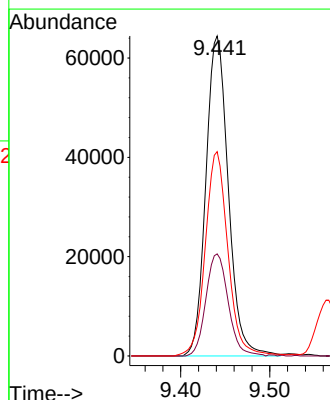
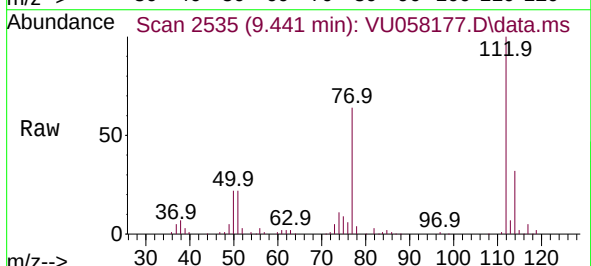
Tgt Ion:112 Resp: 112847

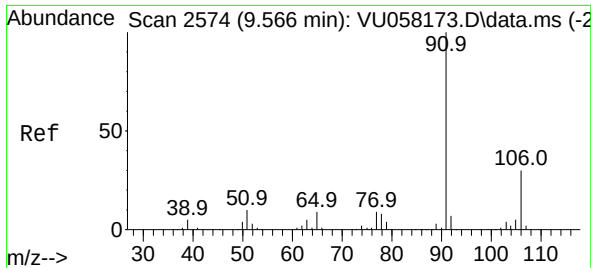
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.1

77 63.8 52.3 78.5





#52

Ethylbenzene

Concen: 5.440 ug/L

RT: 9.563 min Scan# 2574

Delta R.T. -0.003 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

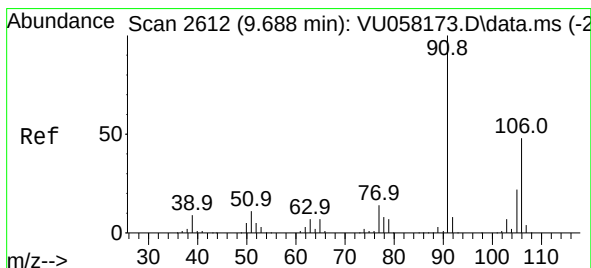
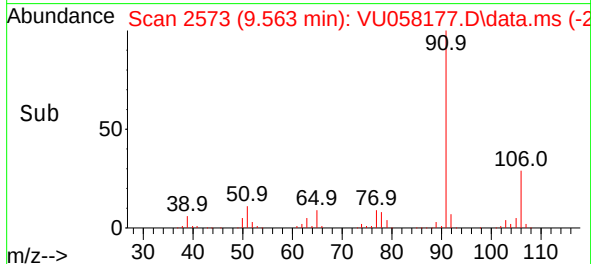
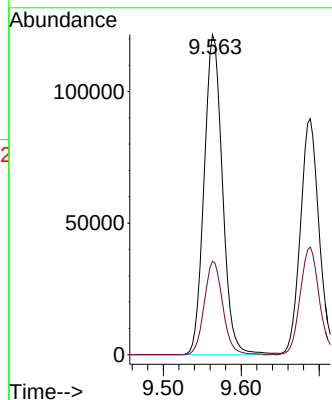
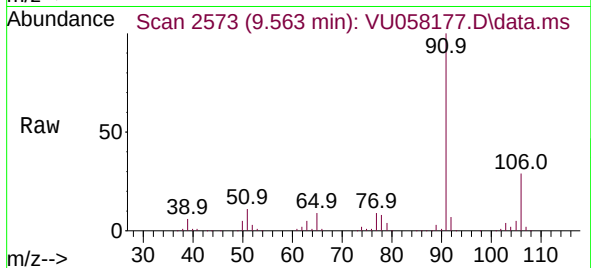
ClientSampleId :

Tgt Ion: 91 Resp: 199011

Ion Ratio Lower Upper

91 100

106 29.2 20.9 38.7



#53

m,p-Xylene

Concen: 5.375 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU058177.D

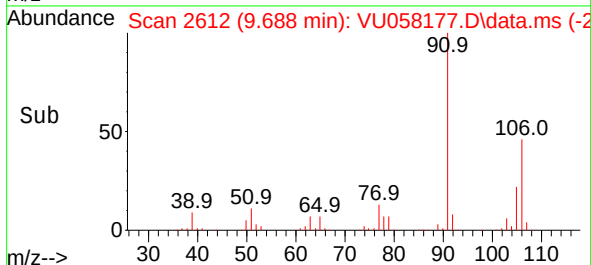
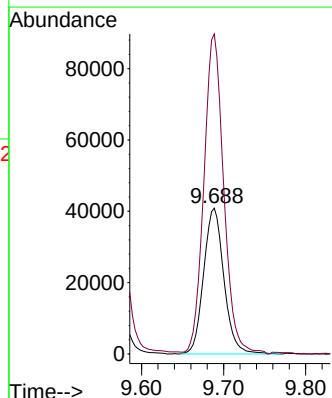
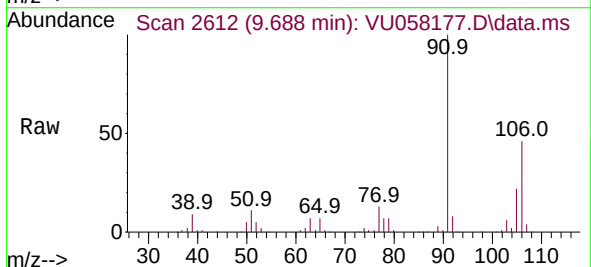
Acq: 20 Mar 2024 16:57

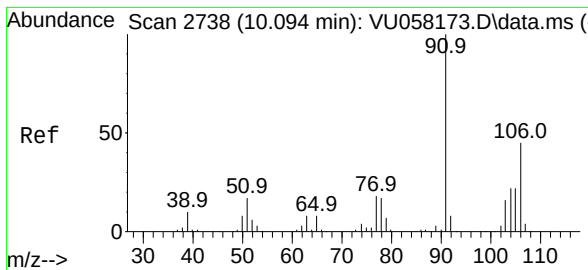
Tgt Ion:106 Resp: 70241

Ion Ratio Lower Upper

106 100

91 219.6 148.8 276.4

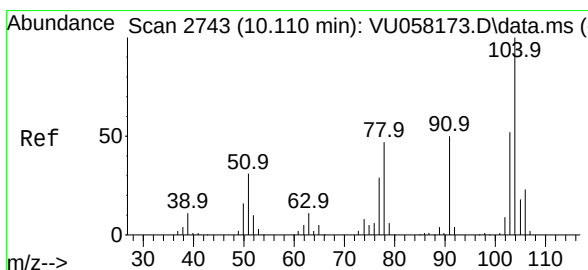
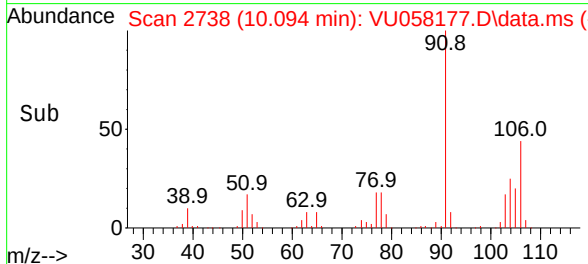
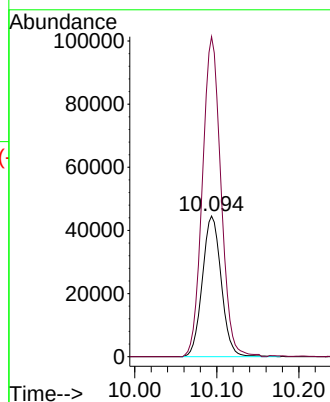
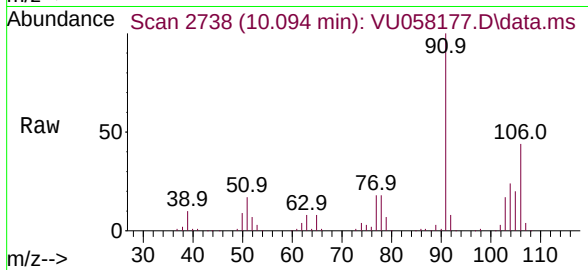




#54
o-Xylene
Concen: 5.471 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

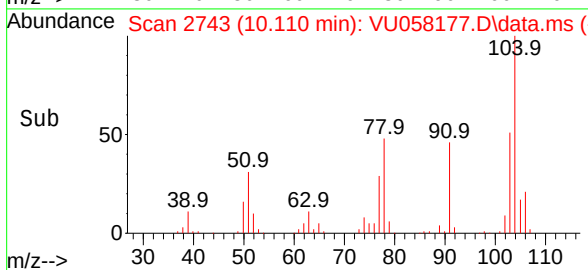
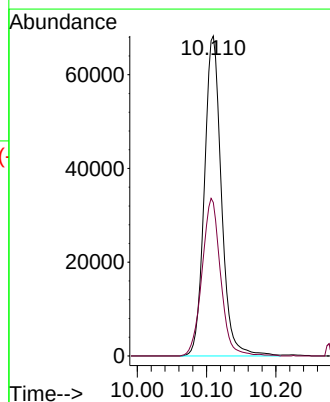
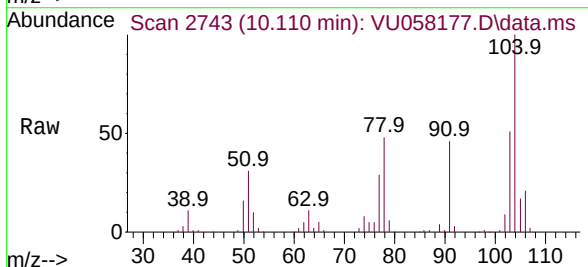
Instrument :
MSVOA_U
ClientSampleId :

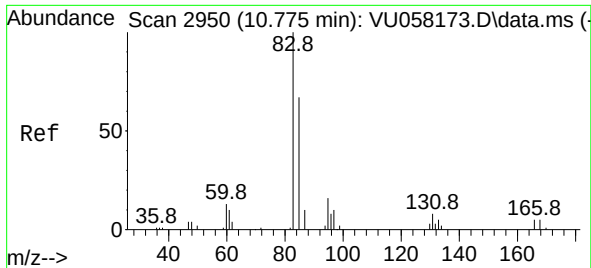
Tgt Ion:106 Resp: 71257
Ion Ratio Lower Upper
106 100
91 227.6 158.3 294.1



#55
Styrene
Concen: 5.695 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion:104 Resp: 116430
Ion Ratio Lower Upper
104 100
78 48.0 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 6.305 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

ClientSampleId :

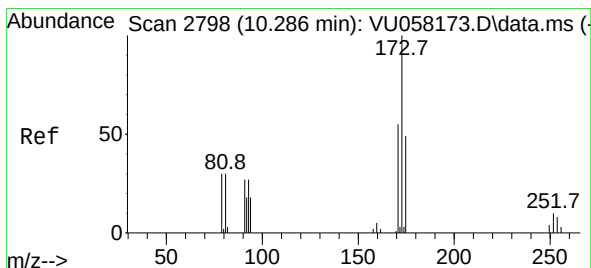
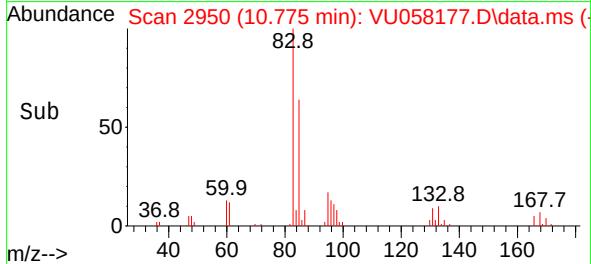
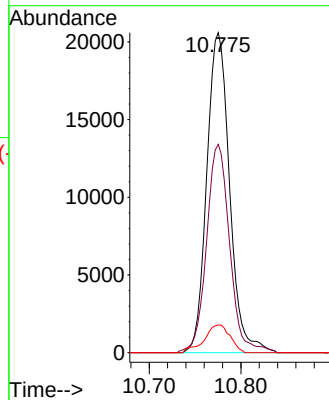
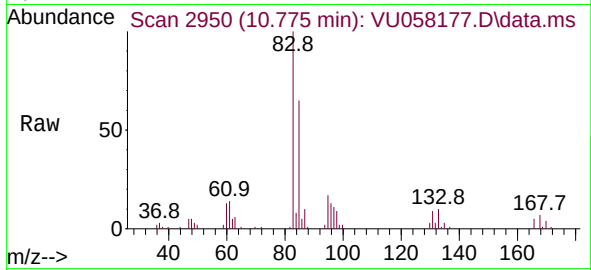
Tgt Ion: 83 Resp: 35643

Ion Ratio Lower Upper

83 100

85 65.1 44.0 81.6

131 8.6 6.9 10.3



#59

Bromoform

Concen: 5.725 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

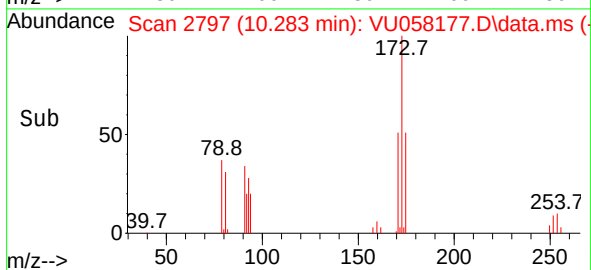
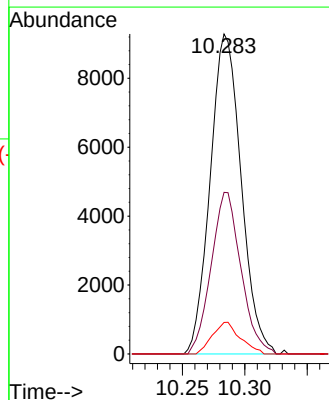
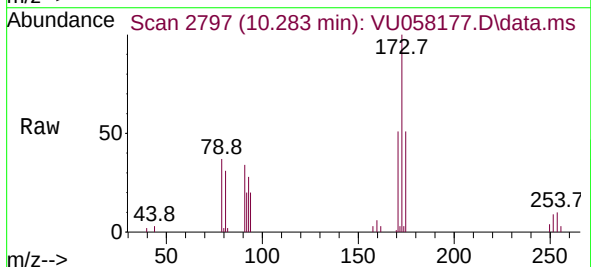
Tgt Ion:173 Resp: 16047

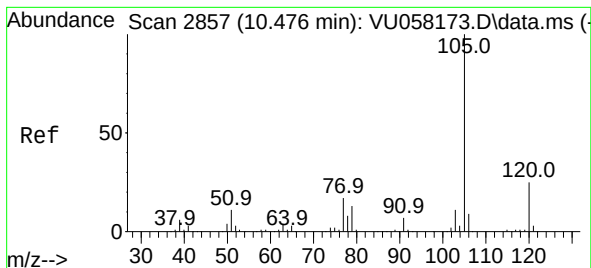
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 8.9 7.3 10.9





#60

Isopropylbenzene

Concen: 5.456 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

ClientSampleId :

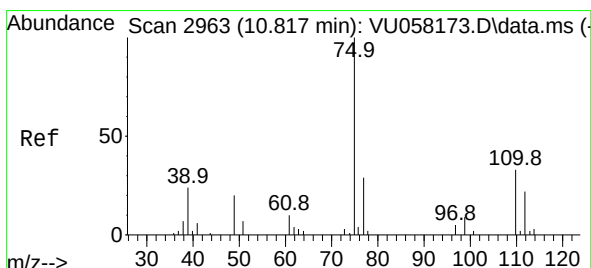
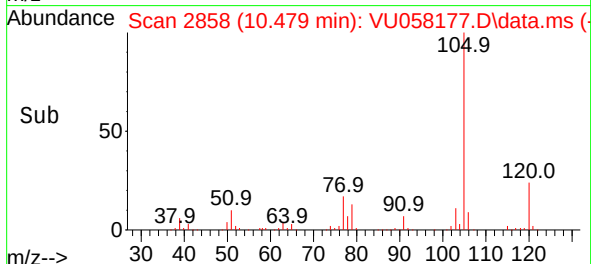
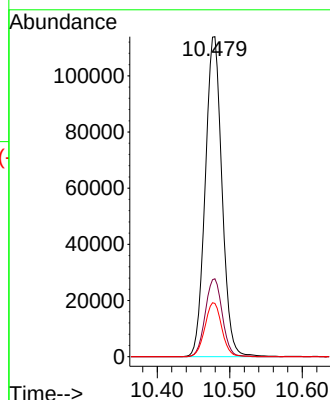
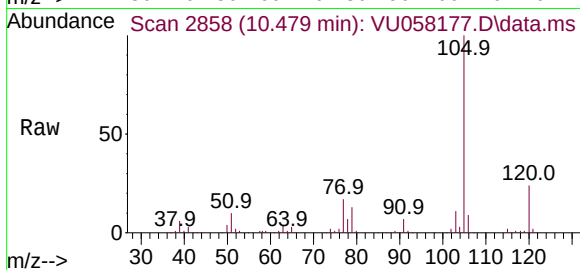
Tgt Ion:105 Resp: 182607

Ion Ratio Lower Upper

105 100

120 24.7 20.4 30.6

77 17.0 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 6.265 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

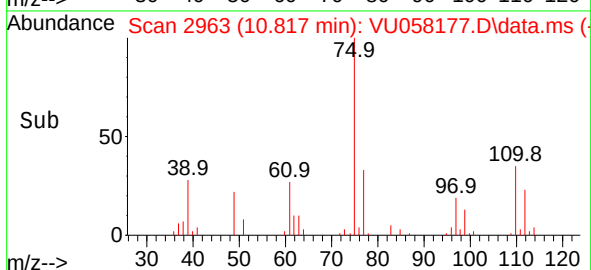
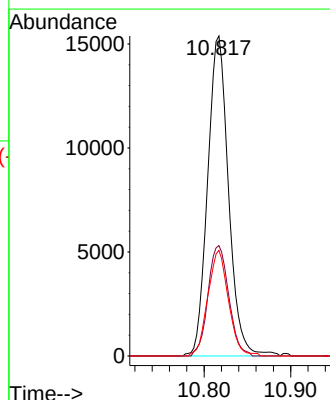
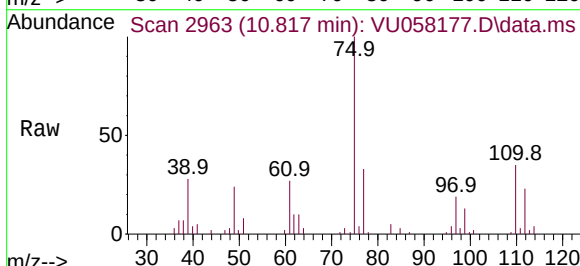
Tgt Ion: 75 Resp: 25790

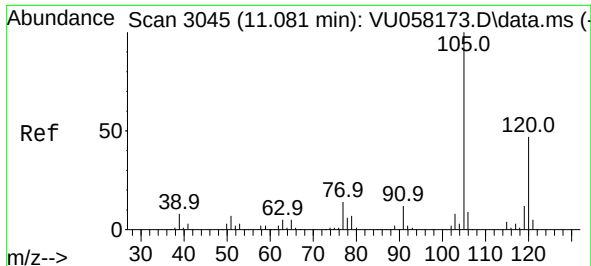
Ion Ratio Lower Upper

75 100

110 34.3 28.0 42.0

77 32.5 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.351 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

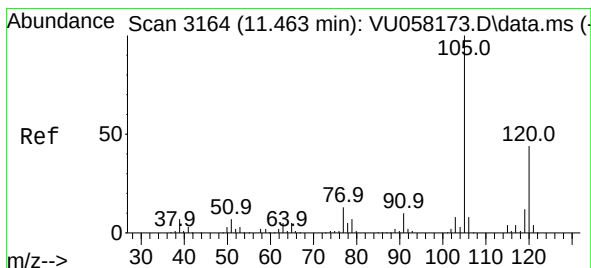
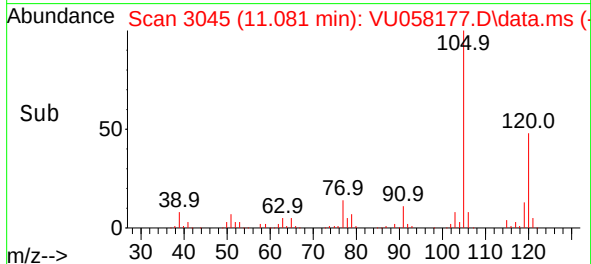
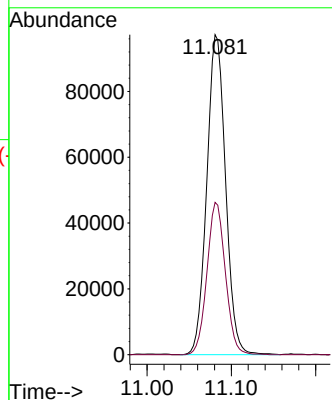
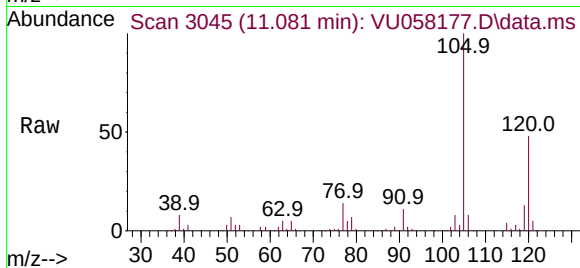
ClientSampleId :

Tgt Ion:105 Resp: 151058

Ion Ratio Lower Upper

105 100

120 46.7 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.380 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU058177.D

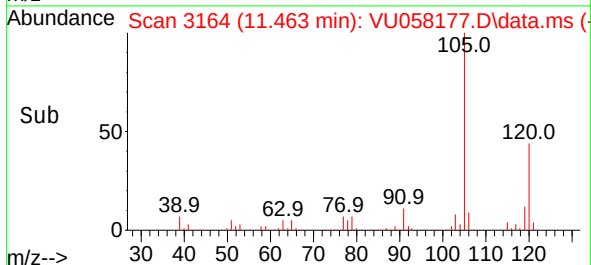
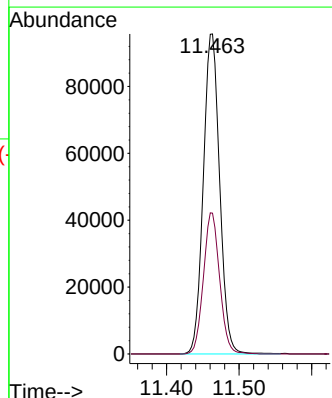
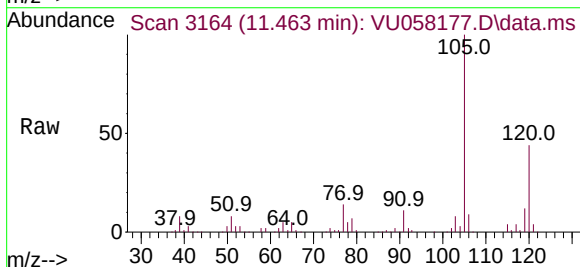
Acq: 20 Mar 2024 16:57

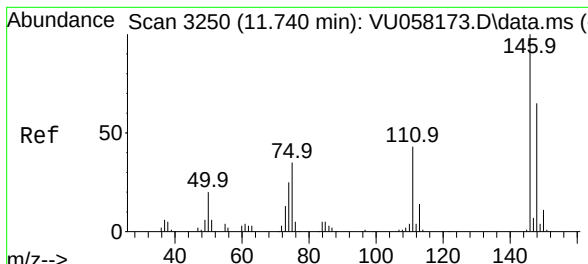
Tgt Ion:105 Resp: 149903

Ion Ratio Lower Upper

105 100

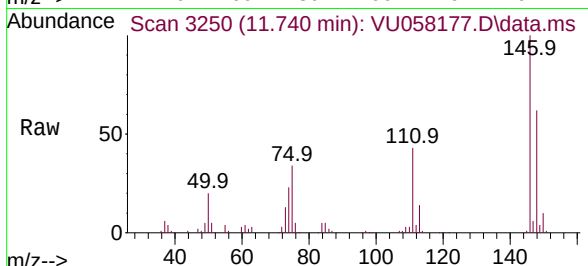
120 43.7 34.8 52.2



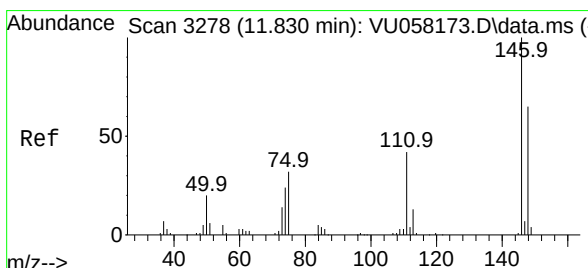
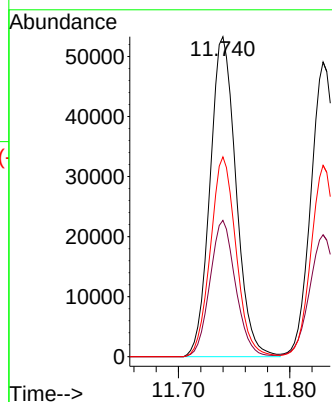
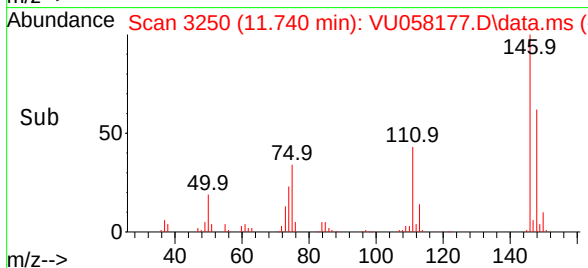


#64
 1,3-Dichlorobenzene
 Concen: 5.690 ug/L
 RT: 11.740 min Scan# 3250
 Delta R.T. 0.000 min
 Lab File: VU058177.D
 Acq: 20 Mar 2024 16:57

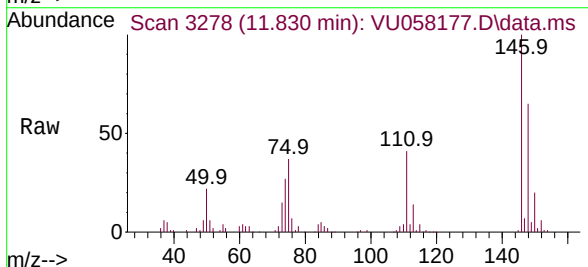
Instrument :
 MSVOA_U
 ClientSampleId :



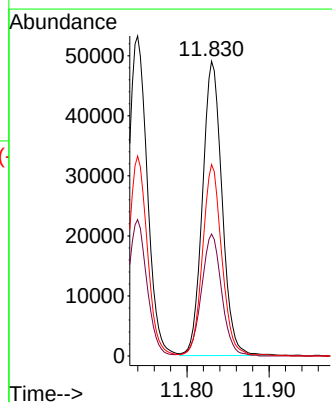
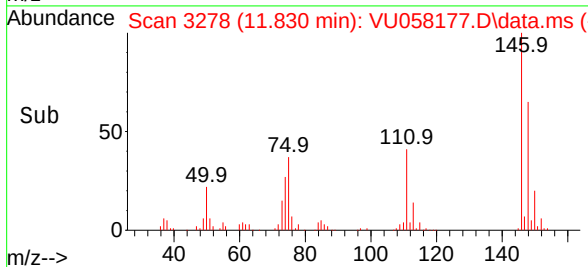
Tgt Ion:146 Resp: 86563
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.9 57.5
 148 62.5 45.4 84.4

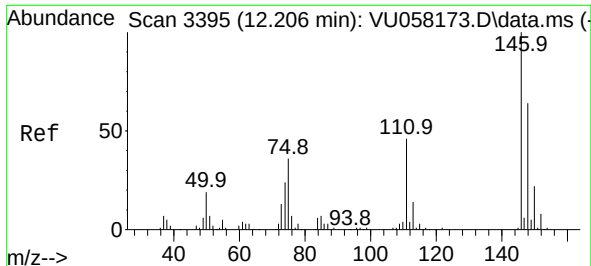


#65
 1,4-Dichlorobenzene
 Concen: 5.471 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.000 min
 Lab File: VU058177.D
 Acq: 20 Mar 2024 16:57



Tgt Ion:146 Resp: 81472
 Ion Ratio Lower Upper
 146 100
 111 41.4 30.1 55.9
 148 64.9 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.899 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

ClientSampleId :

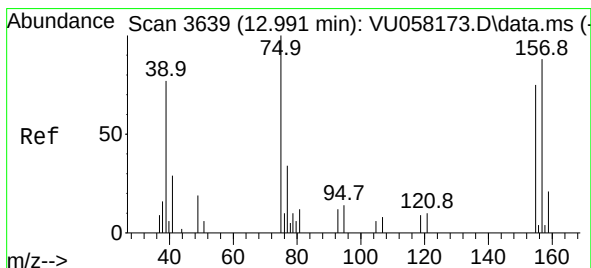
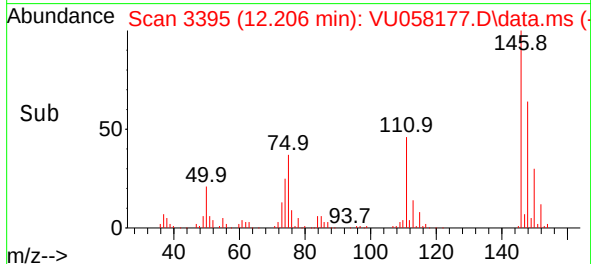
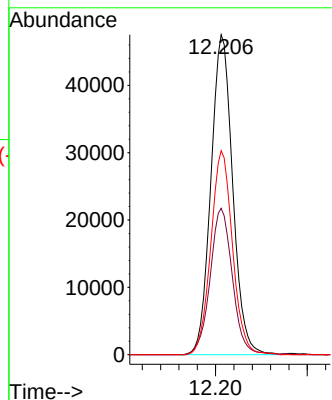
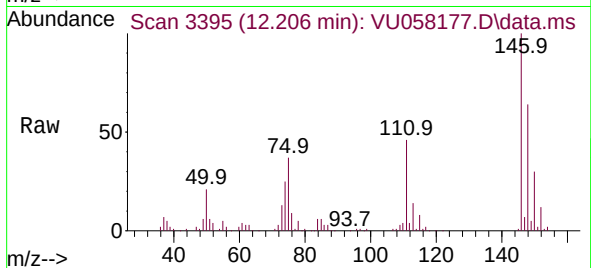
Tgt Ion:146 Resp: 78352

Ion Ratio Lower Upper

146 100

111 45.8 37.4 56.0

148 63.7 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 6.222 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

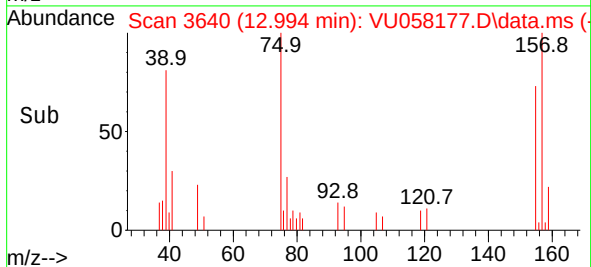
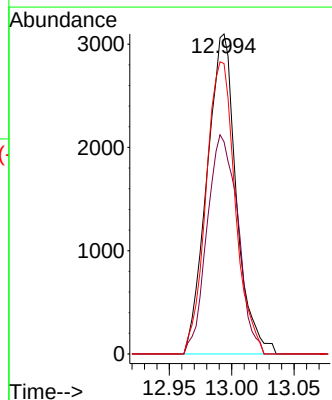
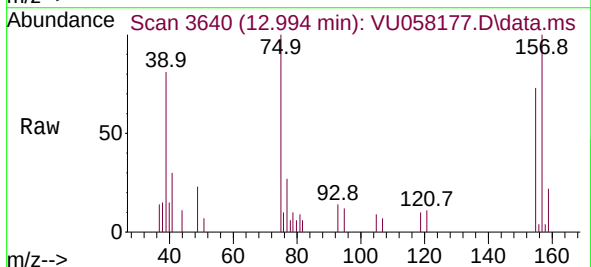
Tgt Ion: 75 Resp: 5082

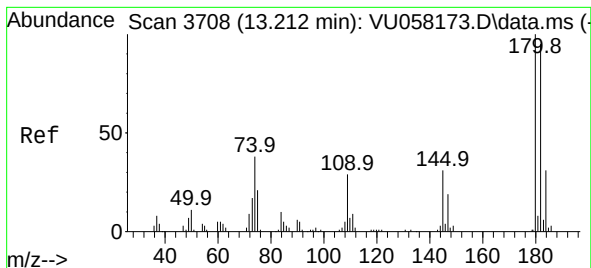
Ion Ratio Lower Upper

75 100

155 66.3 61.0 91.6

157 90.8 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 5.453 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

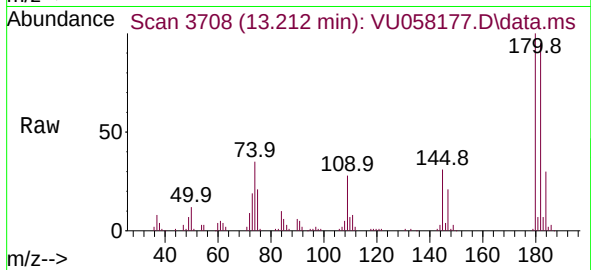
Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 59682

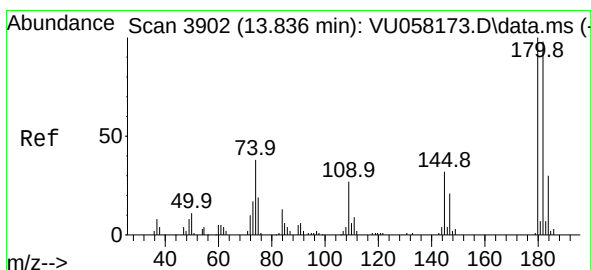
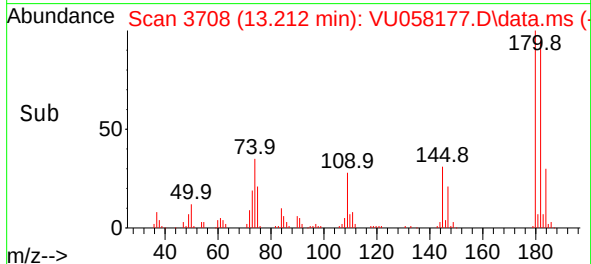
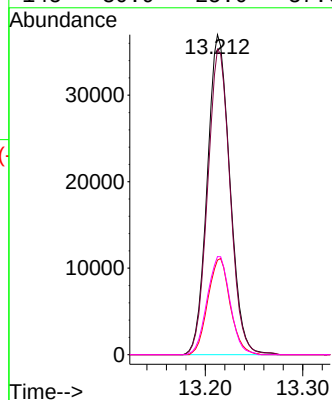
Ion Ratio Lower Upper

180 100

182 94.7 76.3 114.5

184 29.6 24.6 36.8

145 30.9 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 5.415 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU058177.D

Acq: 20 Mar 2024 16:57

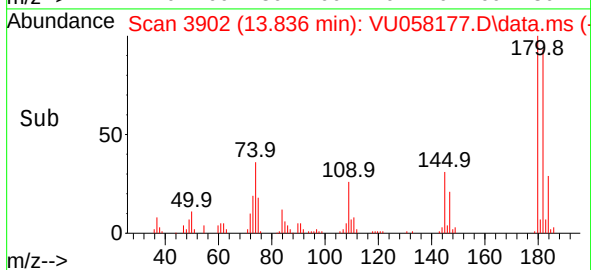
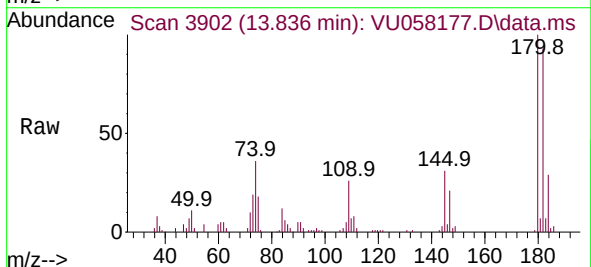
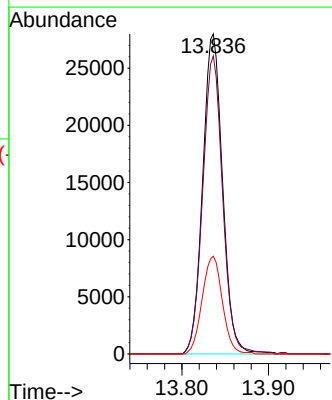
Tgt Ion:180 Resp: 44529

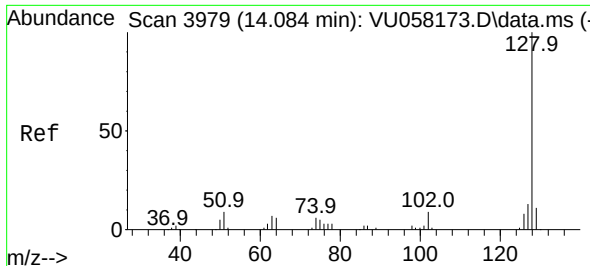
Ion Ratio Lower Upper

180 100

182 93.4 77.9 116.9

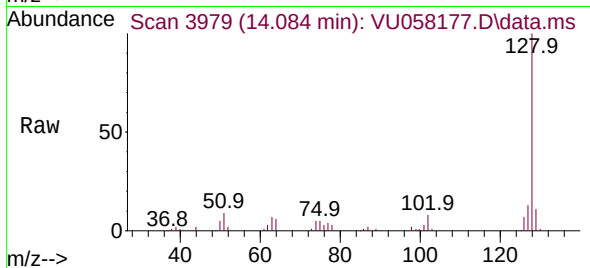
145 31.1 25.8 38.8



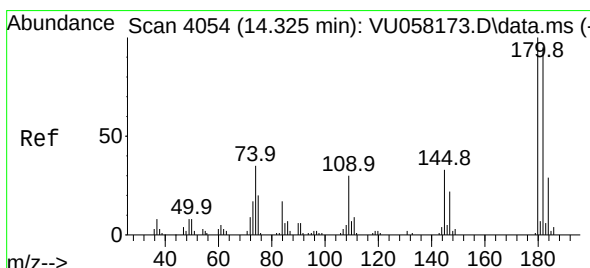
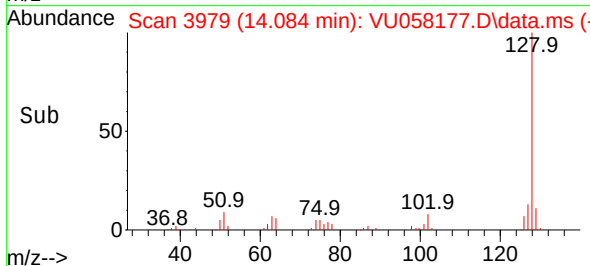
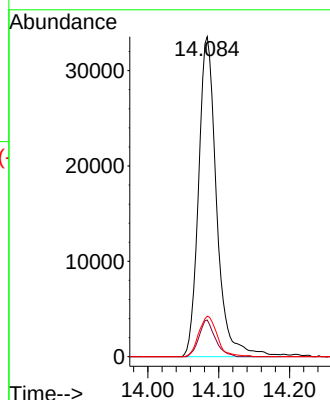


#71
Naphthalene
Concen: 5.288 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 59378
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.6
127 13.0 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.964 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU058177.D
Acq: 20 Mar 2024 16:57

Tgt Ion:180 Resp: 38734
Ion Ratio Lower Upper
180 100
182 97.2 77.6 116.4
145 34.2 28.7 43.1

