

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060424\
 Data File : VU059131.D
 Acq On : 04 Jun 2024 10:18
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 05 05:26:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 01 01:17:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	208510	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	209733	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	104586	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49669	39.785	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.560%
7) Chloroethane-d5	1.908	69	45728	42.759	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.520%
11) 1,1-Dichloroethene-d2	2.567	63	112453	45.634	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.260%
21) 2-Butanone-d5	4.612	46	104297	88.633	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.630%
24) Chloroform-d	5.055	84	120342	48.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.840%
26) 1,2-Dichloroethane-d4	5.695	65	71554	46.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.940%
32) Benzene-d6	5.721	84	214904	44.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.280%
36) 1,2-Dichloropropane-d6	6.682	67	76514	46.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.200%
41) Toluene-d8	7.891	98	190572	46.636	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.280%
43) trans-1,3-Dichloroprop...	8.174	79	28040	41.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.580%
47) 2-Hexanone-d5	8.624	63	65651	85.537	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.540%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	129174	45.986	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.187	152	69810	44.728	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.460%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.380	85	107738	50.996	ug/L	100
3) Chloromethane	1.519	50	121620	49.810	ug/L	99
5) Vinyl chloride	1.602	62	129031	53.780	ug/L	100
6) Bromomethane	1.853	94	74651	38.891	ug/L	98
8) Chloroethane	1.930	64	77655	51.903	ug/L	97
9) Trichlorofluoromethane	2.136	101	145590	52.147	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	87202	53.683	ug/L	98
12) 1,1-Dichloroethene	2.573	96	80549	54.672	ug/L	92
13) Acetone	2.615	43	83554	60.409	ug/L	98
14) Carbon disulfide	2.789	76	262561	52.915	ug/L	99
15) Methyl Acetate	2.937	43	108889	49.700	ug/L	97
16) Methylene chloride	3.036	84	102443	51.388	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	83274	52.367	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	259328	50.204	ug/L	100
19) 1,1-Dichloroethane	3.859	63	176730	51.849	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	94846	52.341	ug/L	97
22) 2-Butanone	4.689	43	134976	80.605	ug/L	99
23) Bromochloromethane	4.969	128	48622	52.972	ug/L	97
25) Chloroform	5.078	83	176689	53.535	ug/L	99

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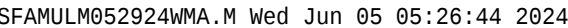
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 MSVOA_U
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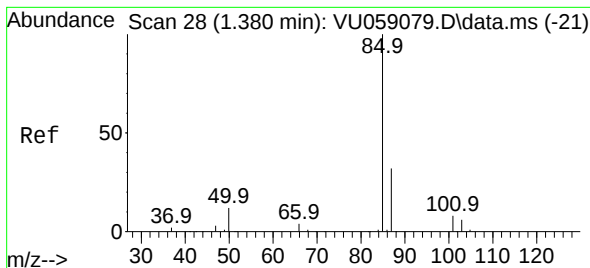
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	140544	50.407	ug/L	98
29) Cyclohexane	5.383	56	143683	51.315	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	141170	51.768	ug/L	99
31) Carbon tetrachloride	5.518	117	117508	53.051	ug/L	100
33) Benzene	5.766	78	391314	51.670	ug/L	100
34) Trichloroethene	6.538	95	98325	53.023	ug/L	98
35) Methylcyclohexane	6.760	83	140519	51.537	ug/L	100
37) 1,2-Dichloropropane	6.785	63	110613	51.436	ug/L	100
38) Bromodichloromethane	7.097	83	133585	53.328	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	138579	46.574	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	272985	96.827	ug/L	99
42) Toluene	7.965	91	408317	53.712	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	129645	48.129	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	99264	51.338	ug/L	98
46) Tetrachloroethene	8.547	164	65001	52.624	ug/L	95
48) 2-Hexanone	8.676	43	208869	87.842	ug/L	99
49) Dibromochloromethane	8.805	129	95363	54.574	ug/L	99
50) 1,2-Dibromoethane	8.917	107	102495	51.388	ug/L	95
51) Chlorobenzene	9.441	112	240869	52.498	ug/L	100
52) Ethylbenzene	9.567	91	421958	53.841	ug/L	99
53) m,p-Xylene	9.689	106	157865	54.808	ug/L	99
54) o-Xylene	10.094	106	151817	54.386	ug/L	99
55) Styrene	10.110	104	272657	57.463	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	172741	49.043	ug/L	97
59) Bromoform	10.284	173	71348	52.030	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	137660	47.332	ug/L	97
61) Isopropylbenzene	10.480	105	401302	54.540	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	282124	52.920	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	317553	54.948	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	181286	52.716	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	185271	52.166	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	180631	50.255	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	34834	47.244	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	116864	51.456	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	94284	51.977	ug/L	98
71) Naphthalene	14.081	128	257715	44.885	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100192	54.329	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 50.996 ug/L

RT: 1.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

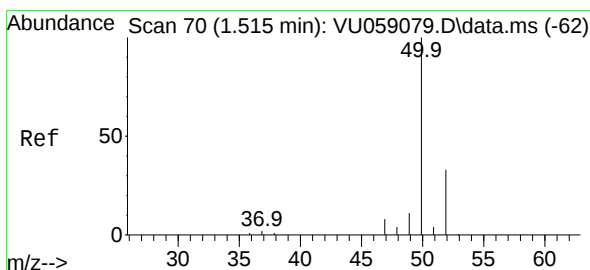
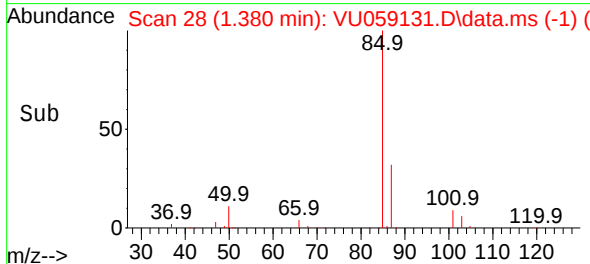
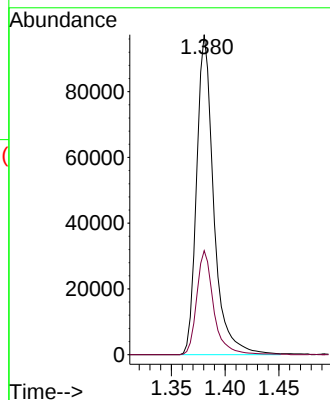
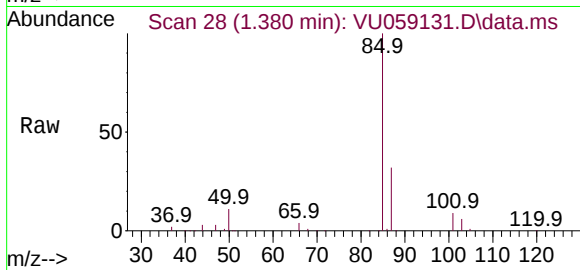
ClientSampleId :

Tgt Ion: 85 Resp: 107738

Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



#3

Chloromethane

Concen: 49.810 ug/L

RT: 1.519 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU059131.D

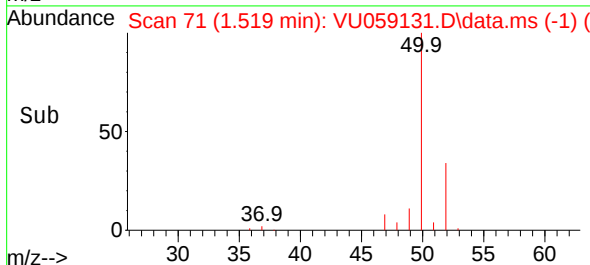
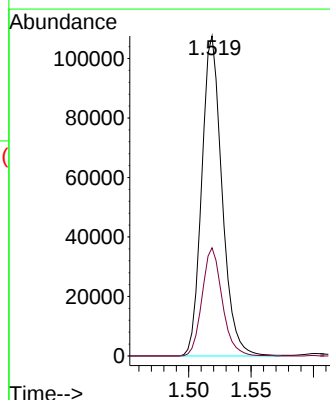
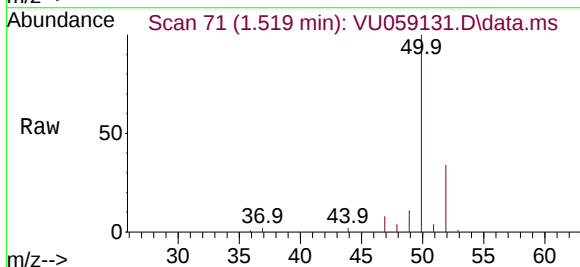
Acq: 04 Jun 2024 10:18

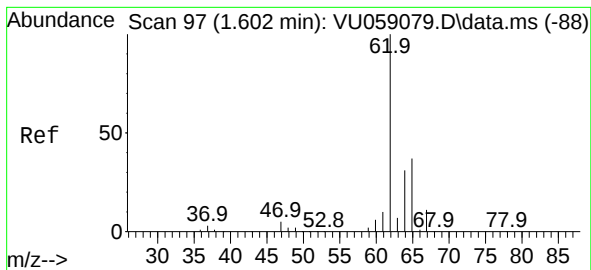
Tgt Ion: 50 Resp: 121620

Ion Ratio Lower Upper

50 100

52 33.8 23.2 43.2





#5

Vinyl chloride

Concen: 53.780 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

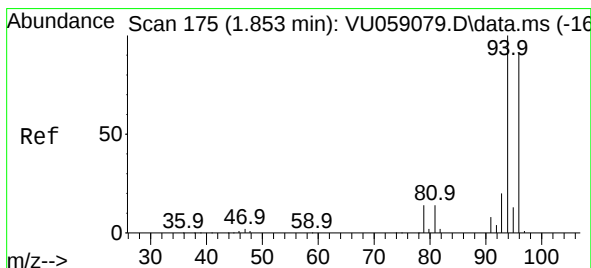
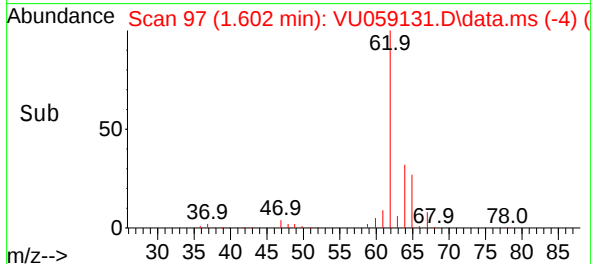
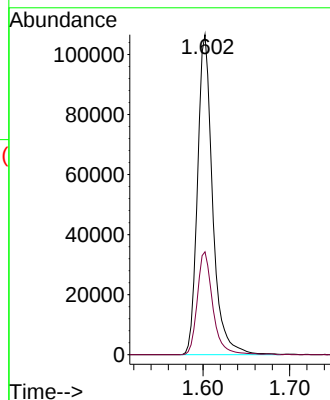
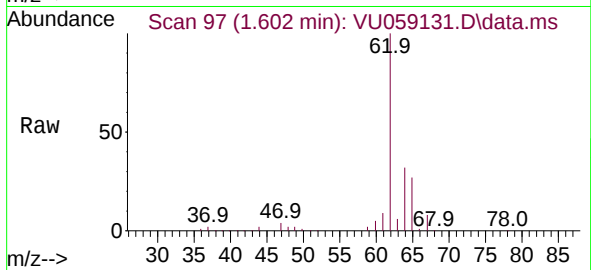
ClientSampleId :

Tgt Ion: 62 Resp: 129031

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 38.891 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU059131.D

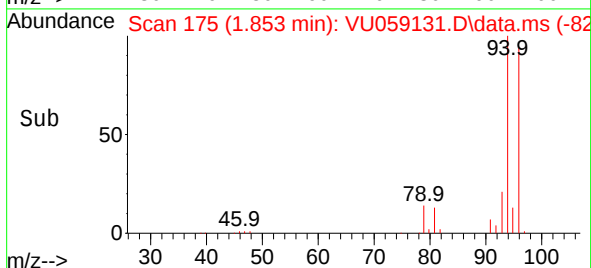
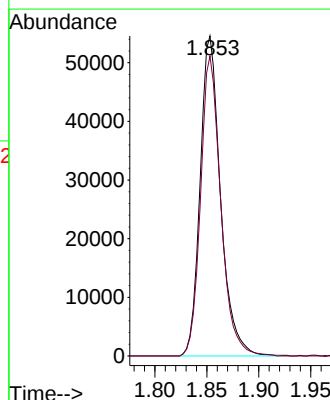
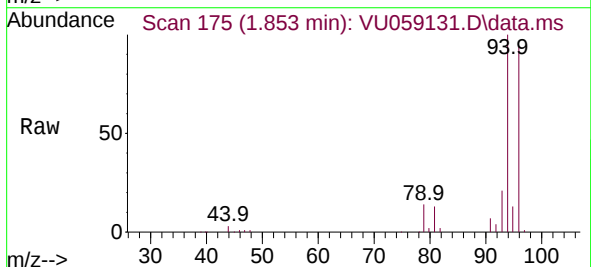
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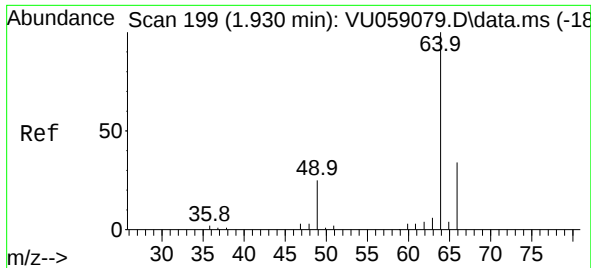
Tgt Ion: 94 Resp: 74651

Ion Ratio Lower Upper

94 100

96 93.7 67.1 124.7

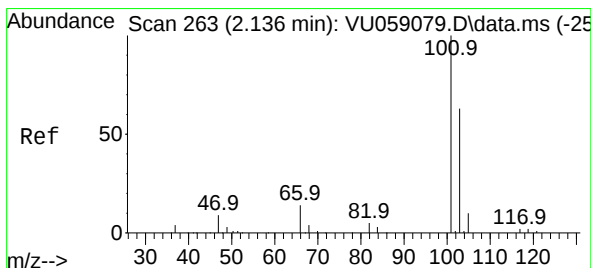
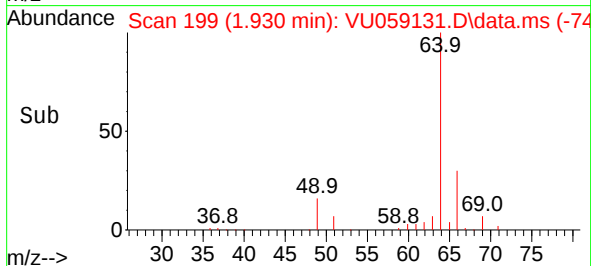
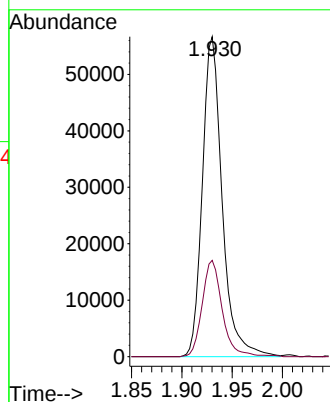
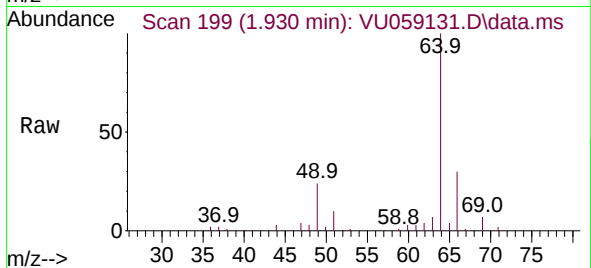




#8
Chloroethane
Concen: 51.903 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

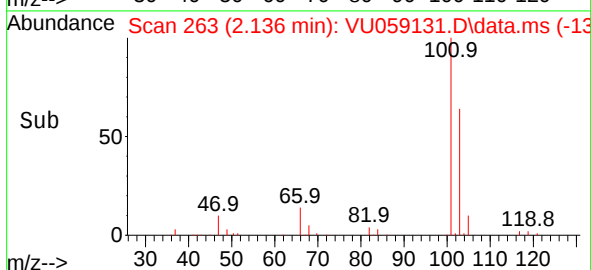
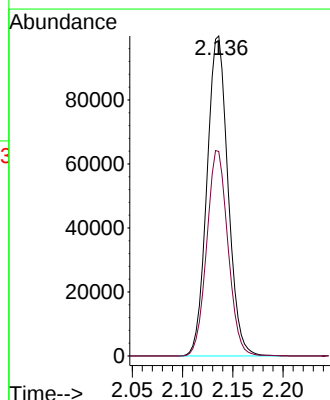
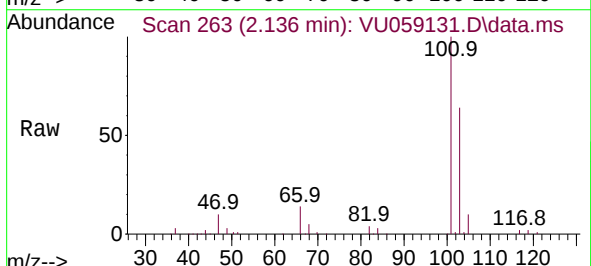
Instrument :
MSVOA_U
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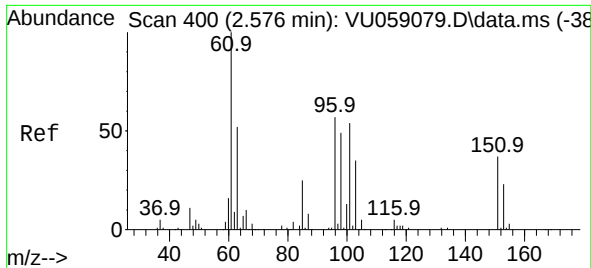
Tgt Ion: 64 Resp: 77655
Ion Ratio Lower Upper
64 100
66 30.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 52.147 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion:101 Resp: 145590
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

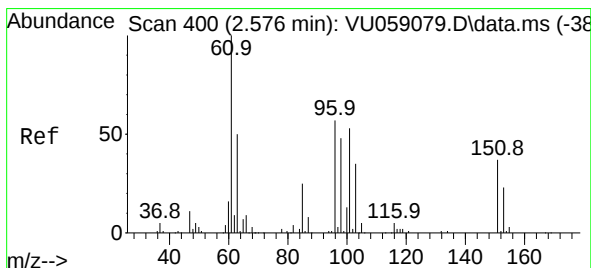
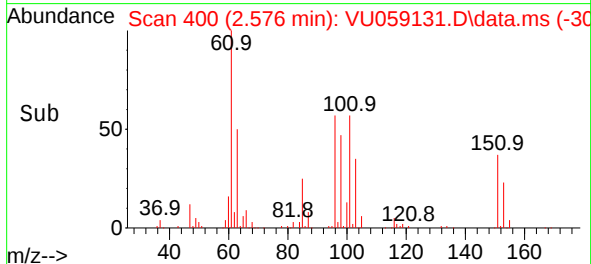
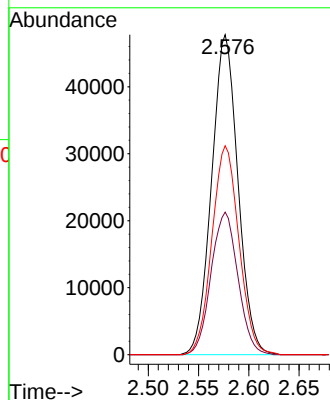
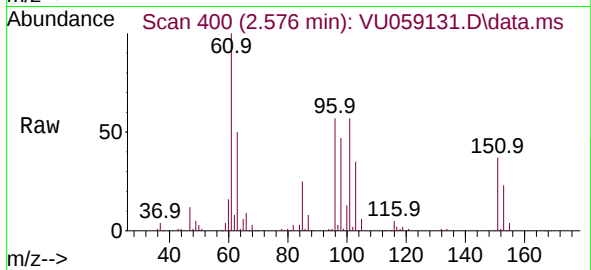




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 53.683 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

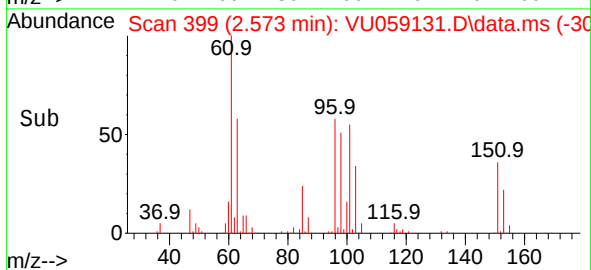
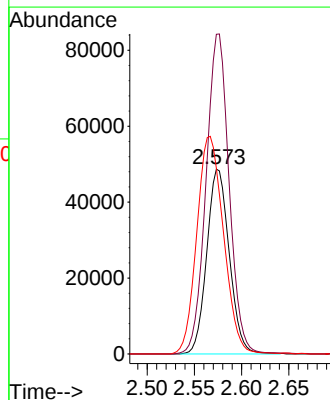
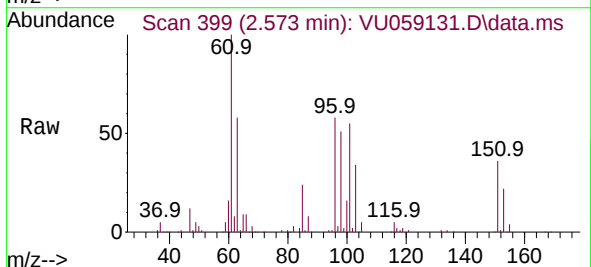
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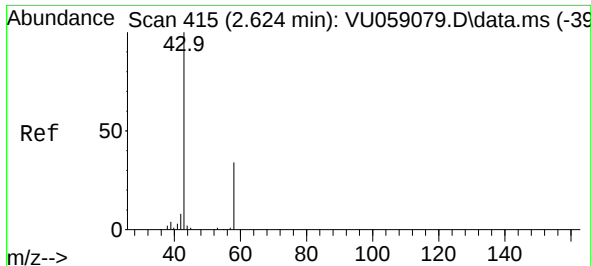
Tgt Ion:101 Resp: 87202
Ion Ratio Lower Upper
101 100
85 45.4 36.7 55.1
151 67.0 52.2 78.2



#12
1,1-Dichloroethene
Concen: 54.672 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion: 96 Resp: 80549
Ion Ratio Lower Upper
96 100
61 172.9 126.3 234.6
63 100.5 78.7 146.1





#13

Acetone

Concen: 60.409 ug/L

RT: 2.615 min Scan# 41

Delta R.T. 0.000 min

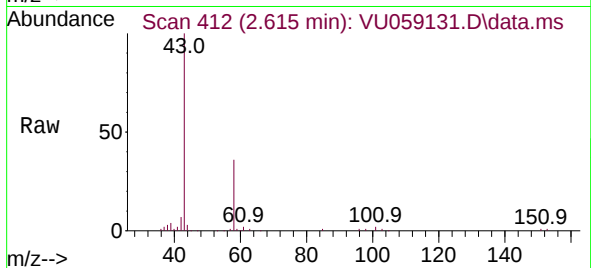
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MSVOA_U

ClientSampleId :

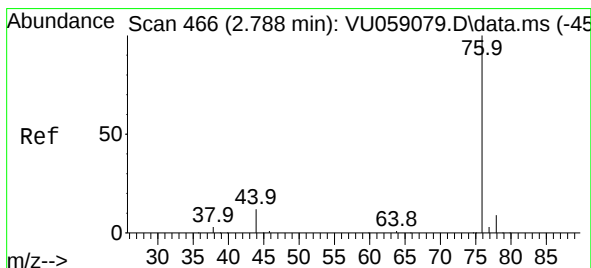
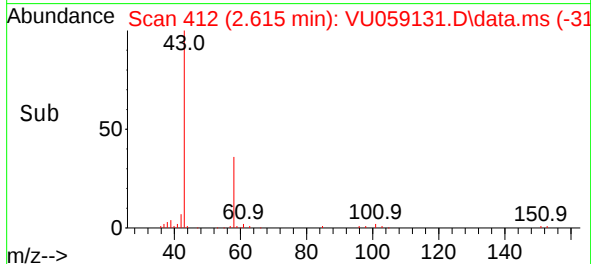
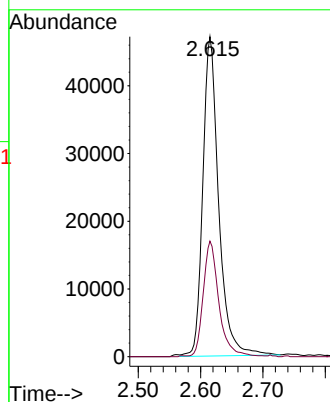


Tgt Ion: 43 Resp: 83554

Ion Ratio Lower Upper

43 100

58 35.7 0.0 68.8



#14

Carbon disulfide

Concen: 52.915 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU059131.D

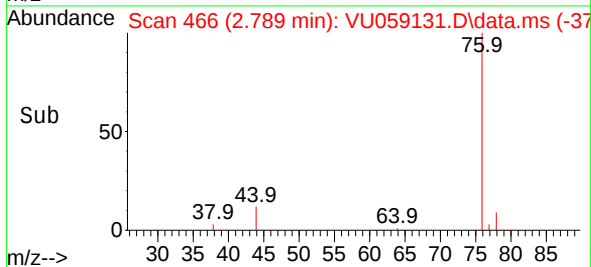
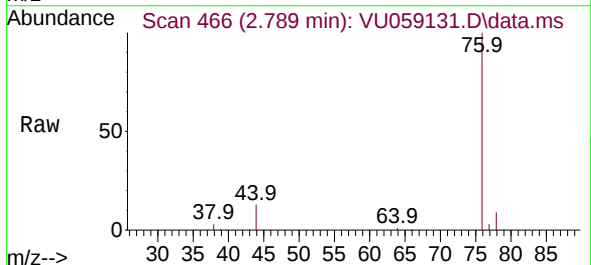
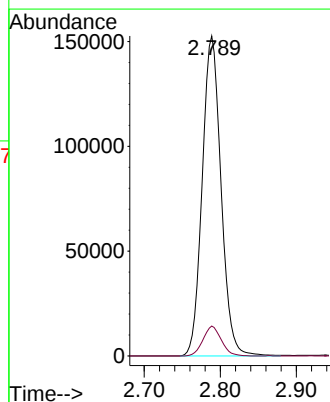
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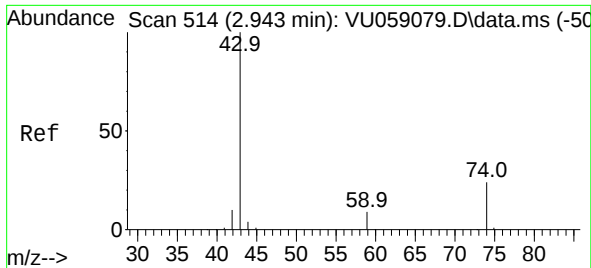
Tgt Ion: 76 Resp: 262561

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

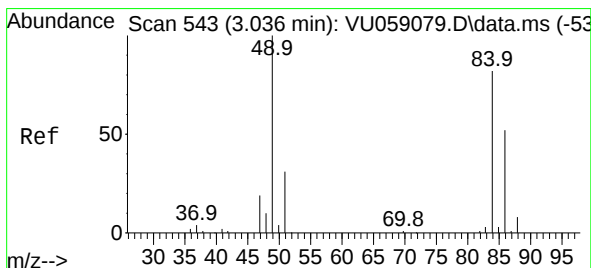
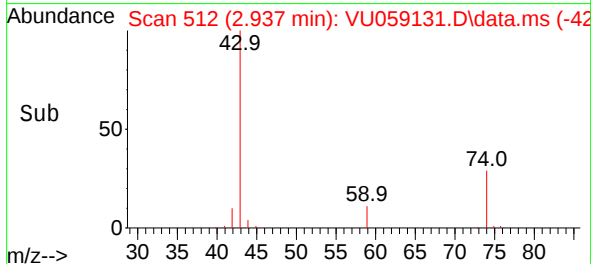
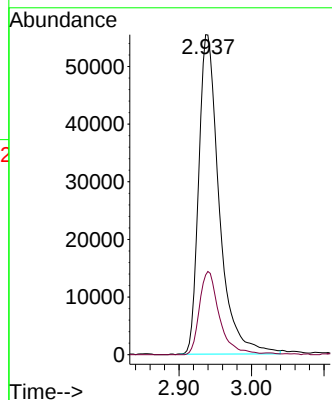
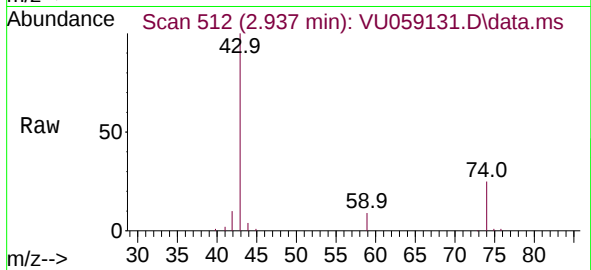




#15
Methyl Acetate
Concen: 49.700 ug/L
RT: 2.937 min Scan# 514
Delta R.T. -0.003 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

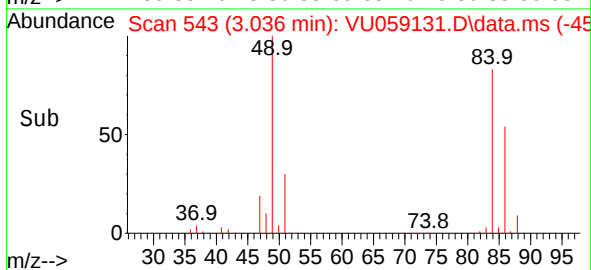
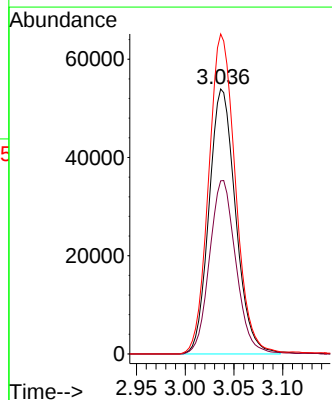
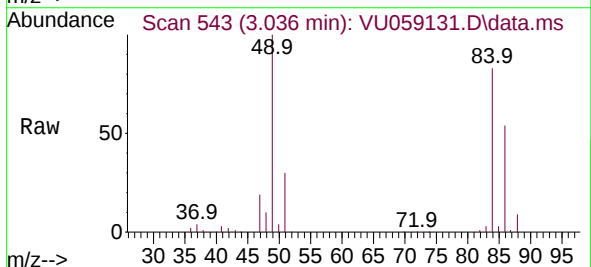
Instrument :
MSVOA_U
ClientSampleId :

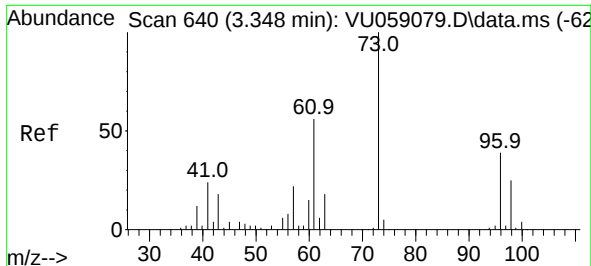
Tgt Ion: 43 Resp: 108889
Ion Ratio Lower Upper
43 100
74 24.7 20.8 31.2



#16
Methylene chloride
Concen: 51.388 ug/L
RT: 3.036 min Scan# 543
Delta R.T. -0.003 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion: 84 Resp: 102443
Ion Ratio Lower Upper
84 100
86 65.4 44.9 83.3
49 120.7 87.5 162.5

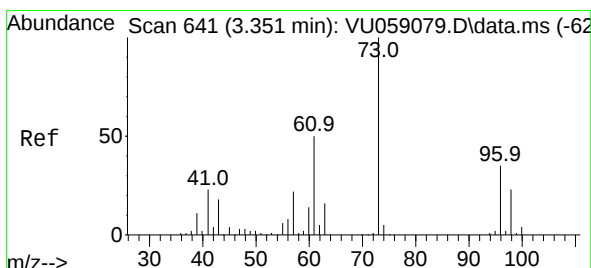
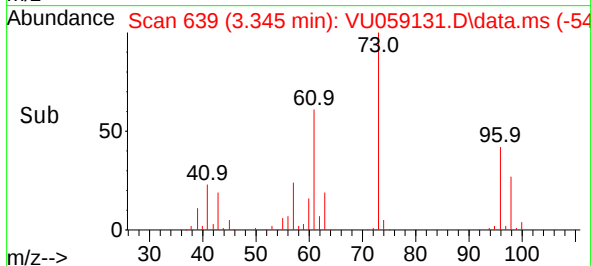
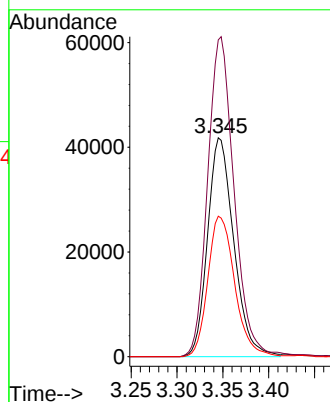
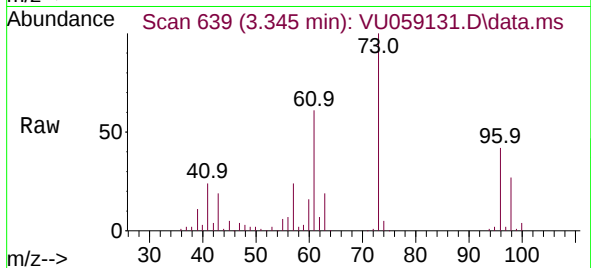




#17
trans-1,2-Dichloroethene
Concen: 52.367 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

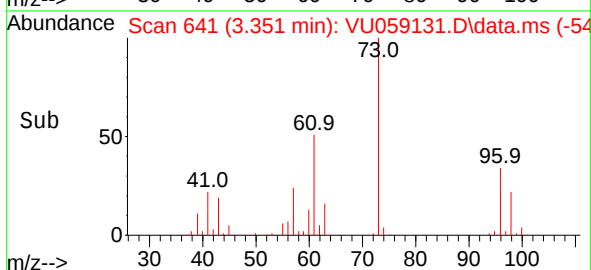
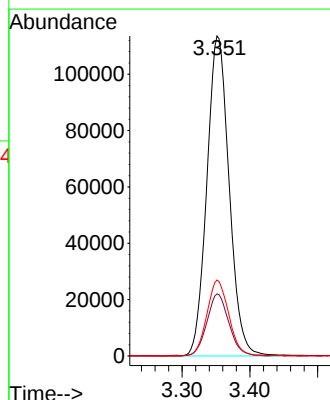
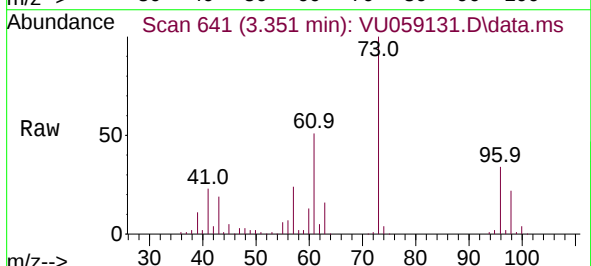
Instrument :
MSVOA_U
ClientSampleId :

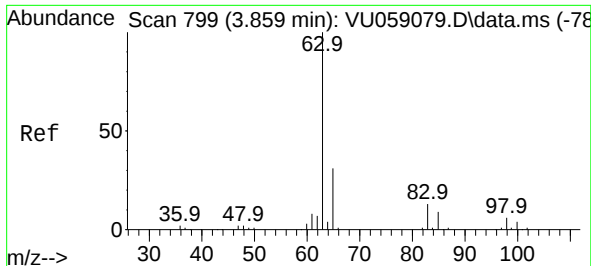
Tgt Ion: 96 Resp: 83274
Ion Ratio Lower Upper
96 100
61 144.7 103.5 192.3
98 64.2 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 50.204 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion: 73 Resp: 259328
Ion Ratio Lower Upper
73 100
43 19.2 15.6 23.4
57 23.2 18.6 28.0

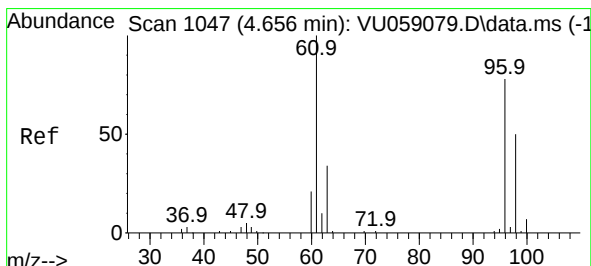
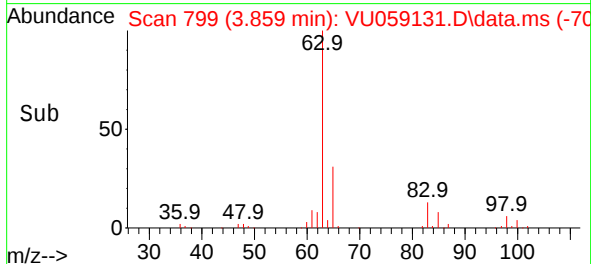
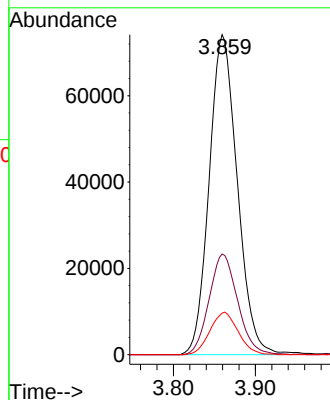
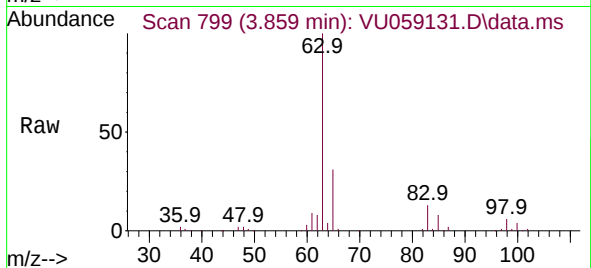




#19
1,1-Dichloroethane
Concen: 51.849 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

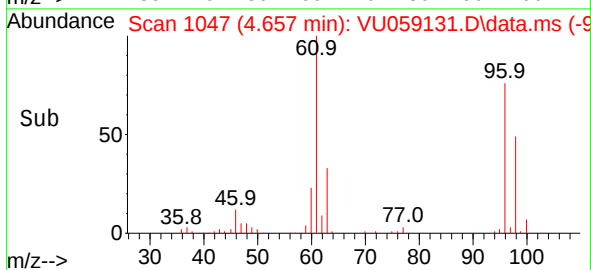
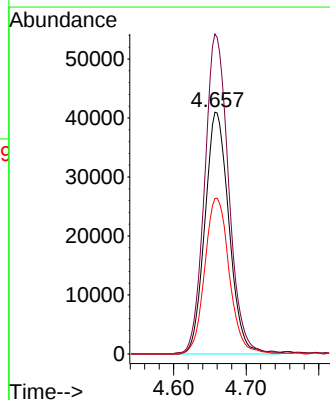
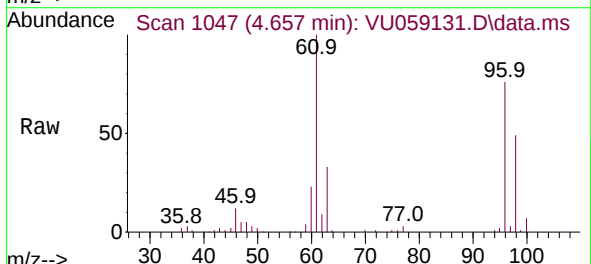
Instrument :
MSVOA_U
ClientSampleId :

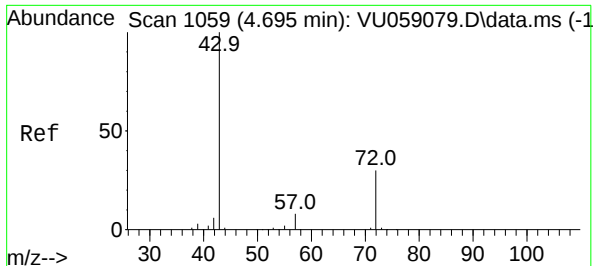
Tgt Ion: 63 Resp: 176730
Ion Ratio Lower Upper
63 100
65 31.5 21.3 39.5
83 13.0 8.8 16.3



#20
cis-1,2-Dichloroethene
Concen: 52.341 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion: 96 Resp: 94846
Ion Ratio Lower Upper
96 100
61 132.4 96.2 178.6
98 64.4 45.6 84.6

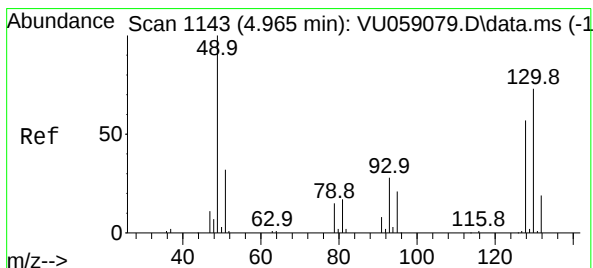
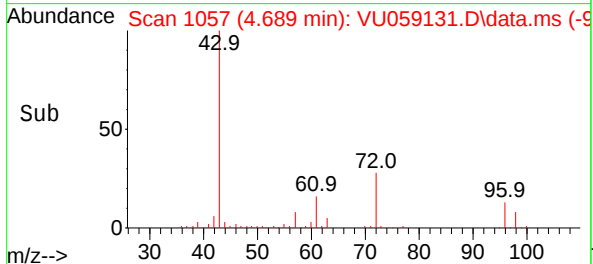
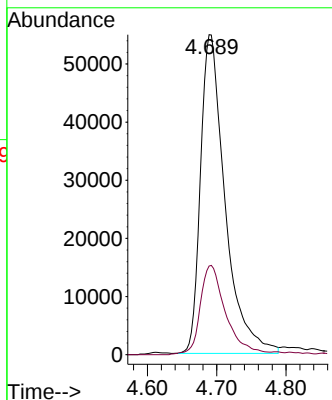
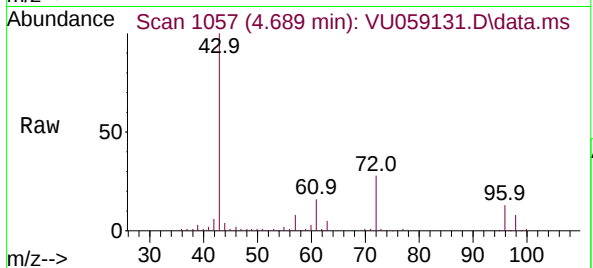




#22
2-Butanone
Concen: 80.605 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

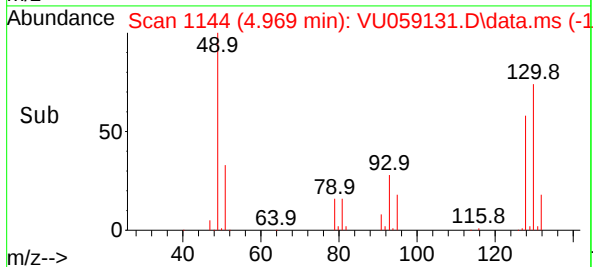
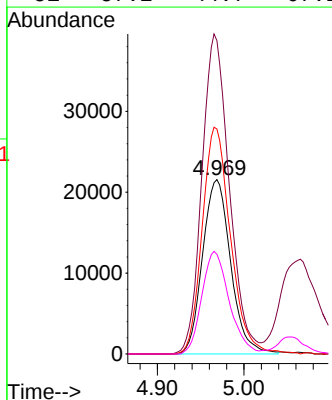
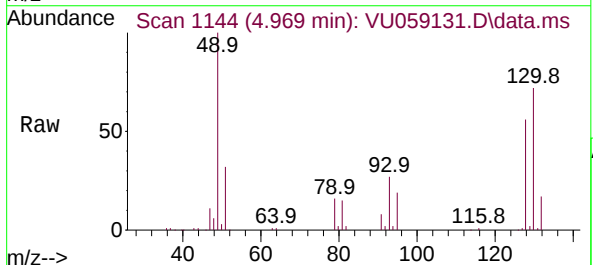
Instrument :
MSVOA_U
ClientSampleId :

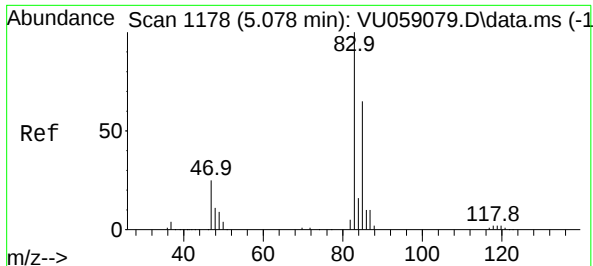
Tgt Ion: 43 Resp: 134976
Ion Ratio Lower Upper
43 100
72 29.0 14.2 42.8



#23
Bromochloromethane
Concen: 52.972 ug/L
RT: 4.969 min Scan# 1144
Delta R.T. 0.004 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion:128 Resp: 48622
Ion Ratio Lower Upper
128 100
49 179.6 128.4 238.4
130 128.9 86.9 161.3
51 57.2 44.7 67.1





#25

Chloroform

Concen: 53.535 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

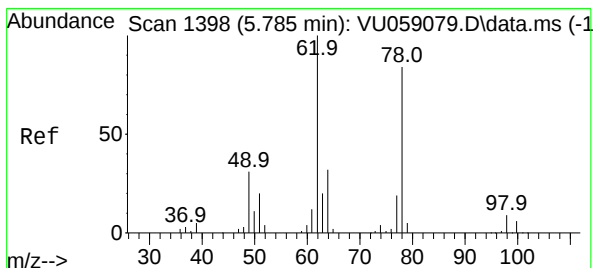
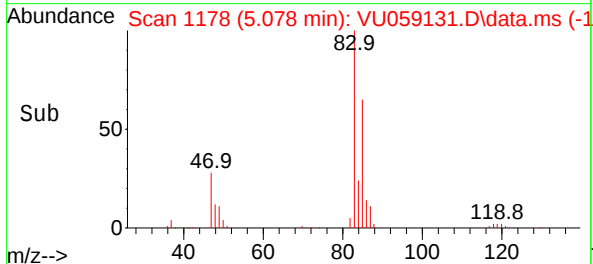
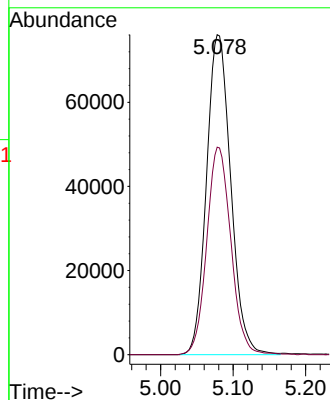
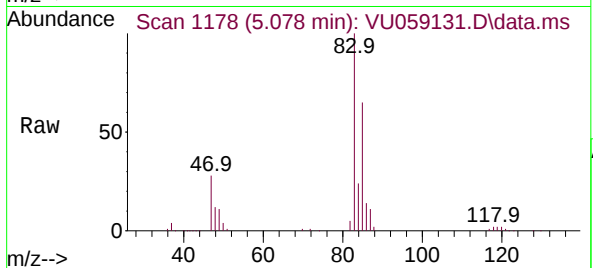
ClientSampleId :

Tgt Ion: 83 Resp: 176689

Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.7



#27

1,2-Dichloroethane

Concen: 50.407 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU059131.D

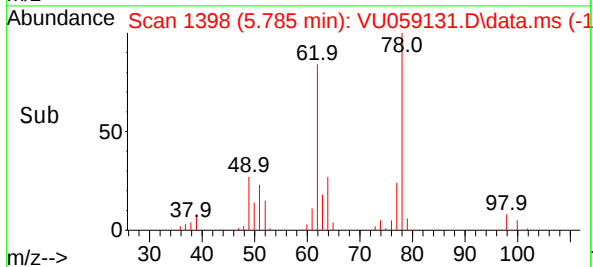
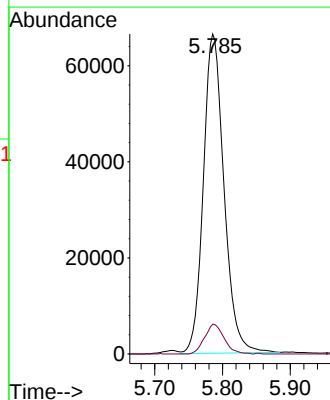
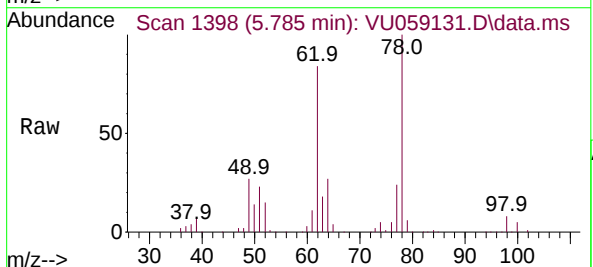
Acq: 04 Jun 2024 10:18

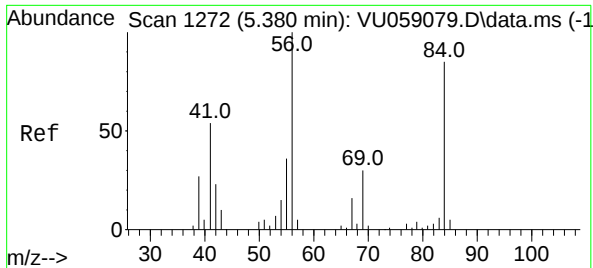
Tgt Ion: 62 Resp: 140544

Ion Ratio Lower Upper

62 100

98 9.3 6.9 10.3

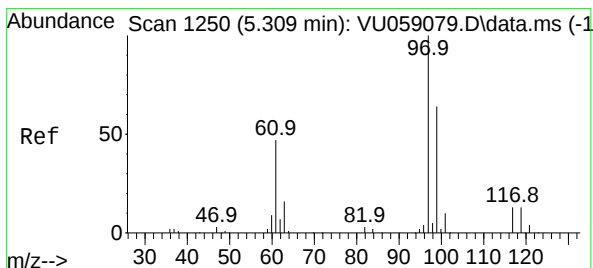
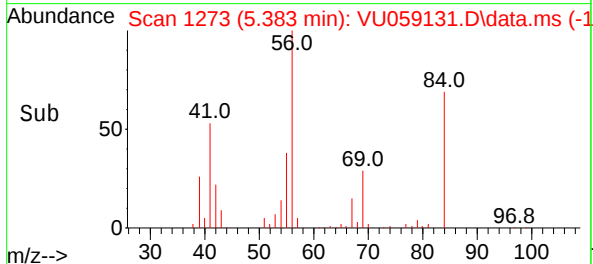
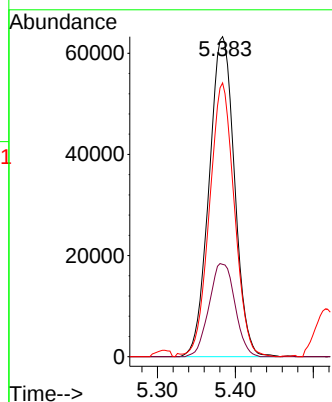
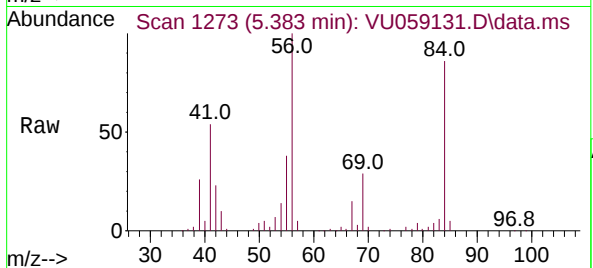




#29
Cyclohexane
Concen: 51.315 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

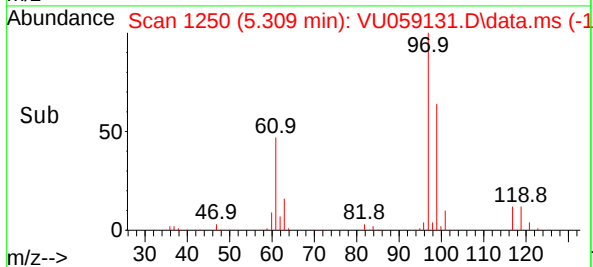
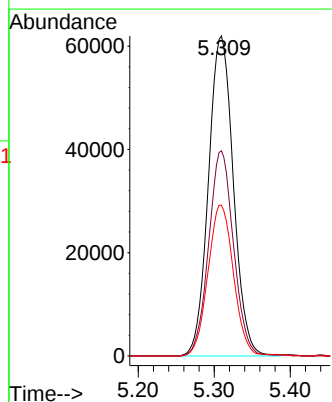
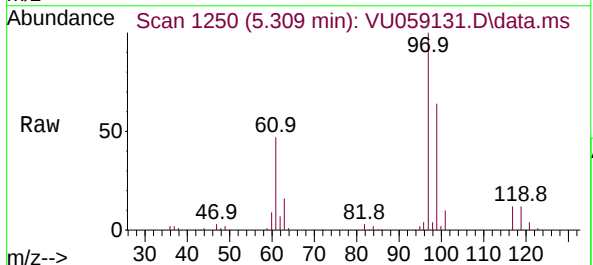
Instrument :
MSVOA_U
ClientSampleId :

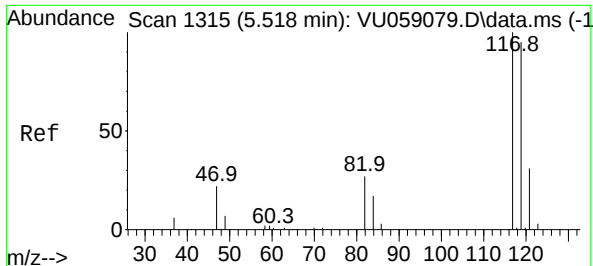
Tgt Ion: 56 Resp: 143683
Ion Ratio Lower Upper
56 100
69 29.6 24.6 37.0
84 83.6 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 51.768 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion: 97 Resp: 141170
Ion Ratio Lower Upper
97 100
99 63.9 51.6 77.4
61 48.2 39.1 58.7

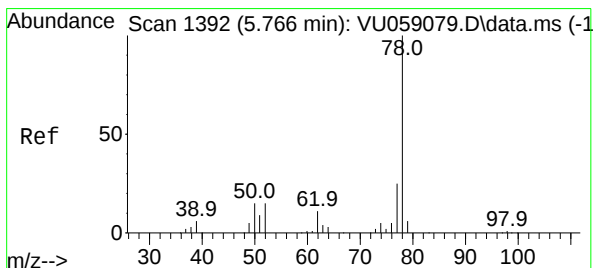
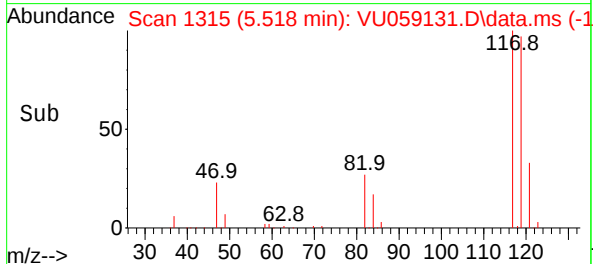
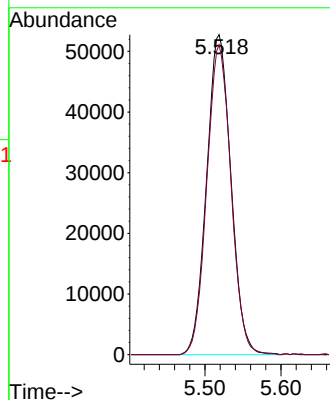
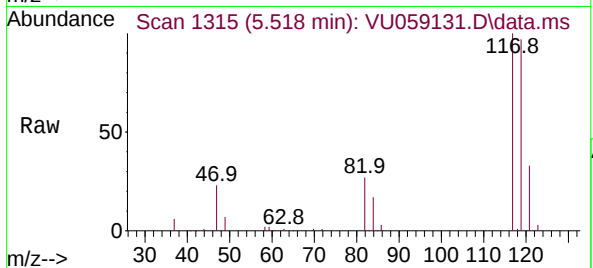




#31
Carbon tetrachloride
Concen: 53.051 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

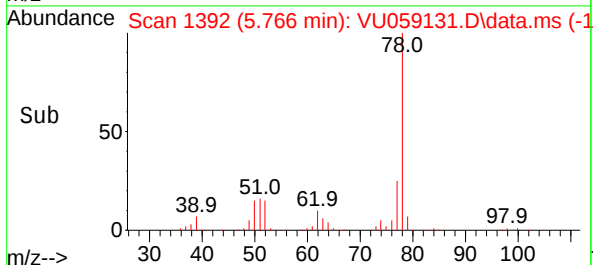
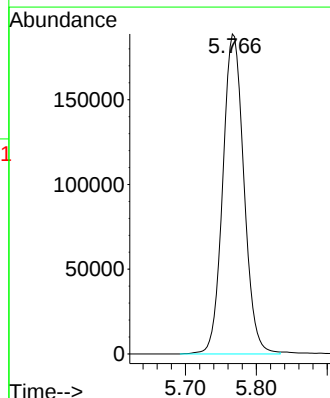
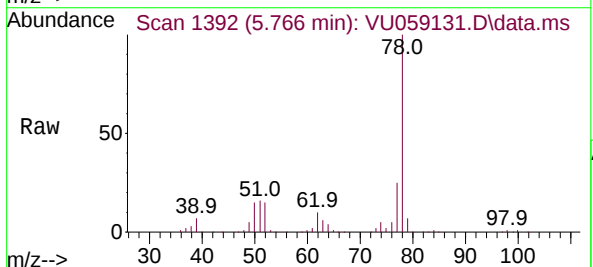
Instrument :
MSVOA_U
ClientSampleId :

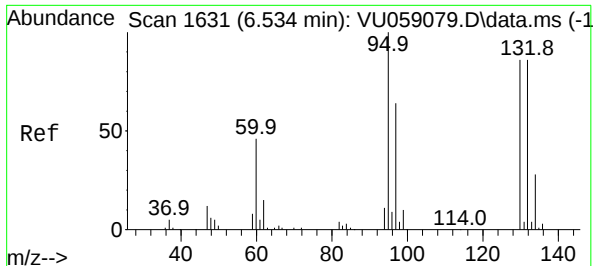
Tgt Ion:117 Resp: 117508
Ion Ratio Lower Upper
117 100
119 95.9 76.9 115.3



#33
Benzene
Concen: 51.670 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion: 78 Resp: 391314





#34

Trichloroethene

Concen: 53.023 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 98325

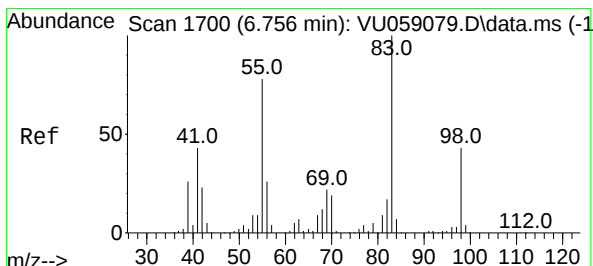
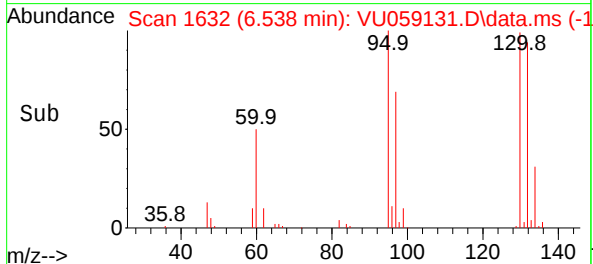
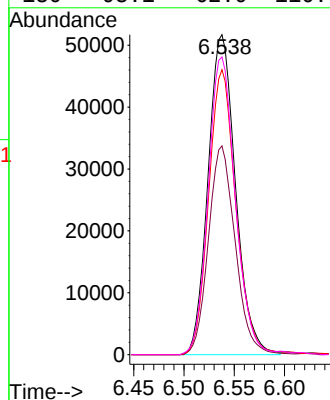
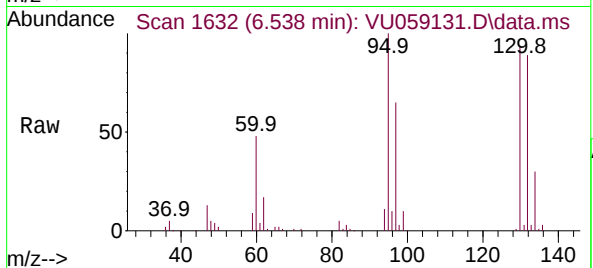
Ion Ratio Lower Upper

95 100

97 65.3 45.2 84.0

132 89.0 60.6 112.6

130 93.1 62.9 116.7



#35

Methylcyclohexane

Concen: 51.537 ug/L

RT: 6.760 min Scan# 1701

Delta R.T. 0.004 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

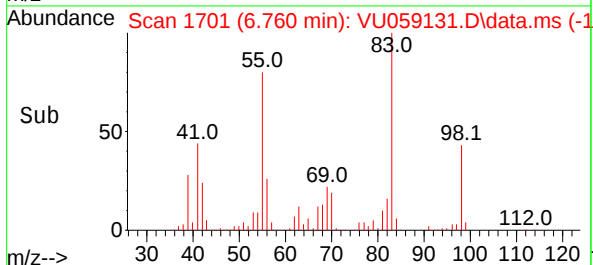
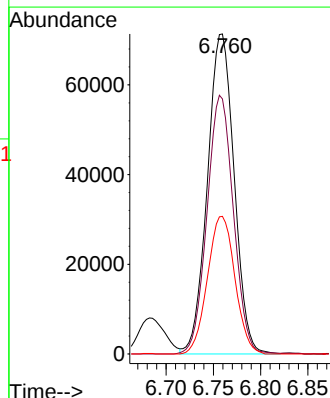
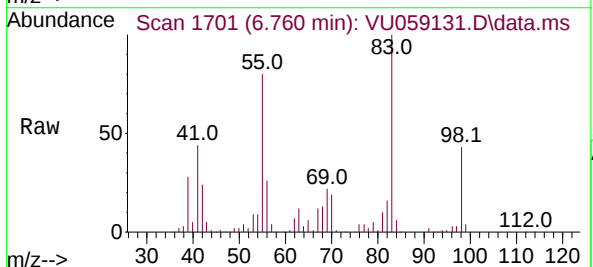
Tgt Ion: 83 Resp: 140519

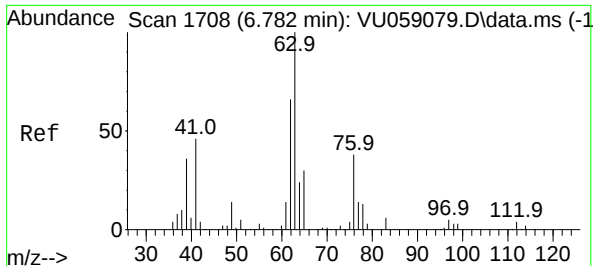
Ion Ratio Lower Upper

83 100

55 79.8 63.9 95.9

98 44.1 34.7 52.1

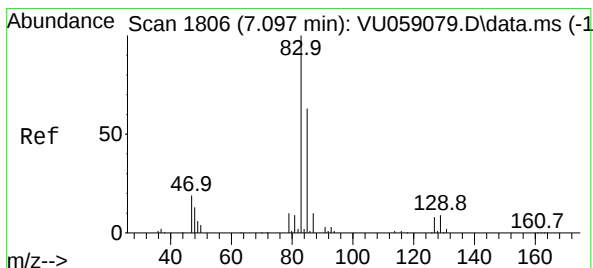
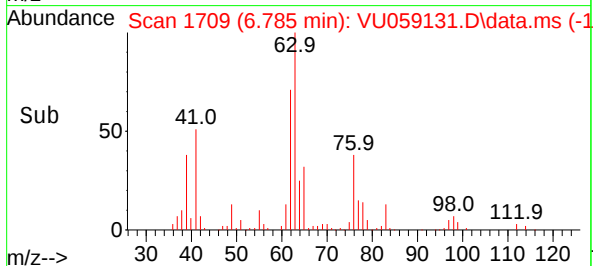
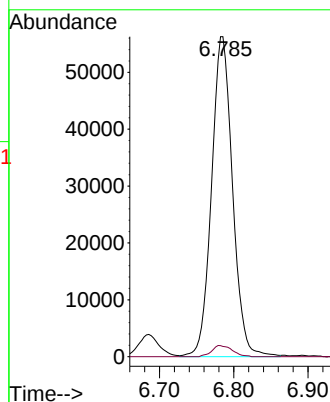
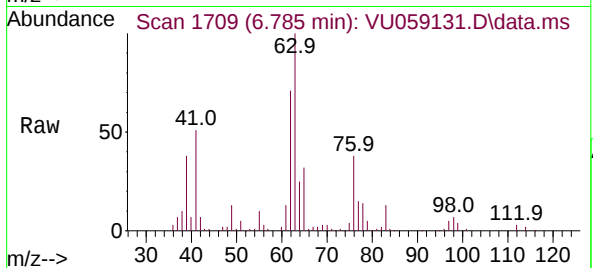




#37
1,2-Dichloropropane
Concen: 51.436 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

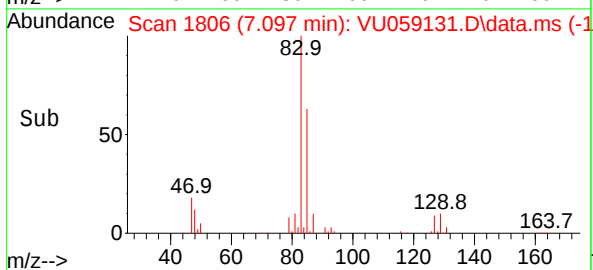
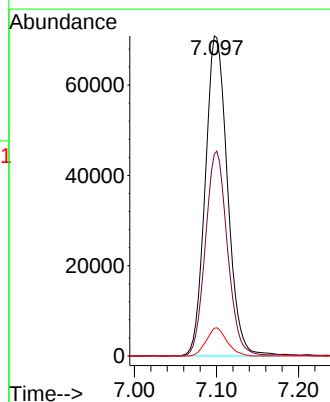
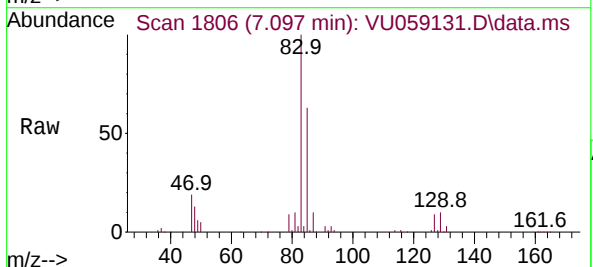
Instrument :
MSVOA_U
ClientSampleId :

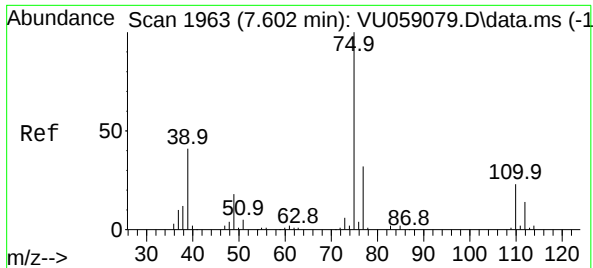
Tgt Ion: 63 Resp: 110613
Ion Ratio Lower Upper
63 100
112 3.4 2.6 4.0



#38
Bromodichloromethane
Concen: 53.328 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion: 83 Resp: 133585
Ion Ratio Lower Upper
83 100
85 63.0 44.0 81.6
127 8.6 7.0 10.6

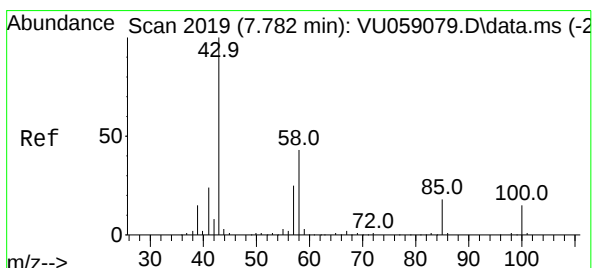
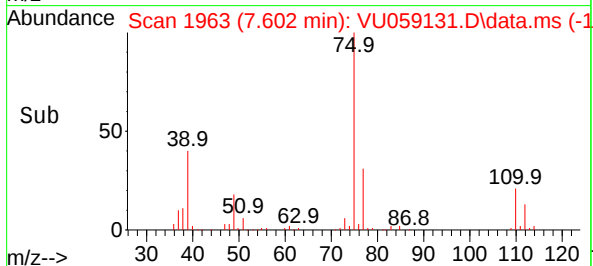
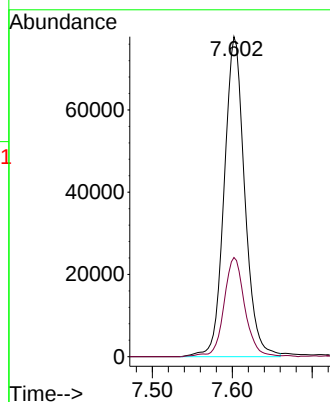
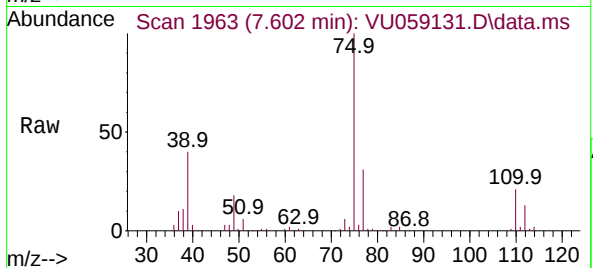




#39
 cis-1,3-Dichloropropene
 Concen: 46.574 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU059131.D
 Acq: 04 Jun 2024 10:18

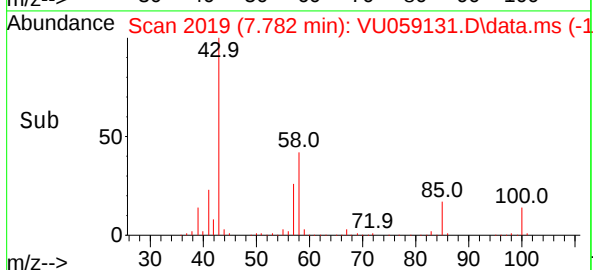
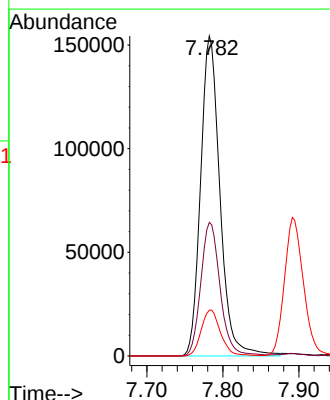
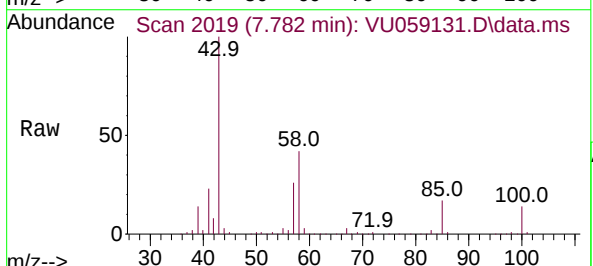
Instrument :
 MSVOA_U
 ClientSampleId :

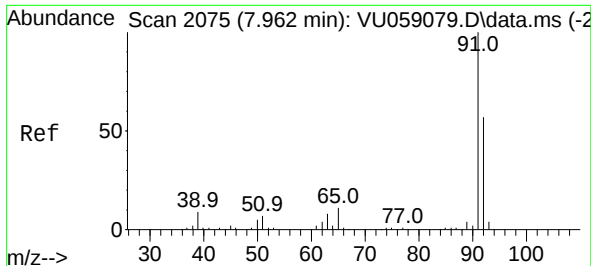
Tgt Ion: 75 Resp: 138579
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 96.827 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU059131.D
 Acq: 04 Jun 2024 10:18

Tgt Ion: 43 Resp: 272985
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.7 50.5
 100 14.4 11.4 17.0





#42

Toluene

Concen: 53.712 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

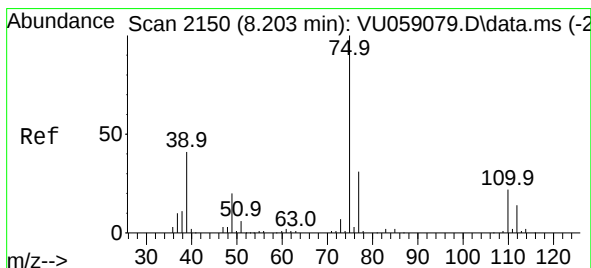
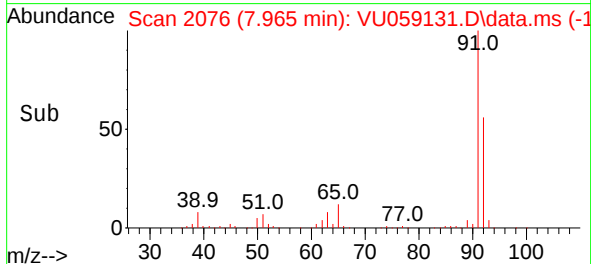
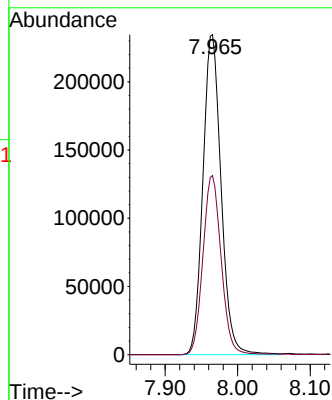
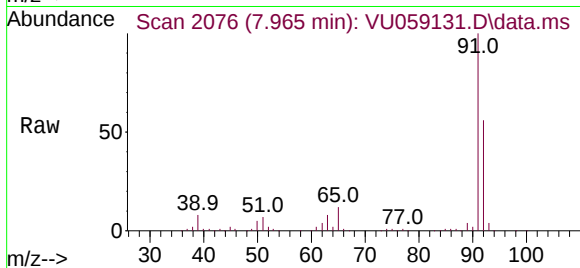
ClientSampleId :

Tgt Ion: 91 Resp: 408317

Ion Ratio Lower Upper

91 100

92 56.0 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 48.129 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.004 min

Lab File: VU059131.D

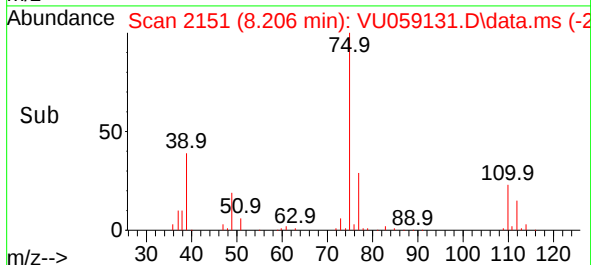
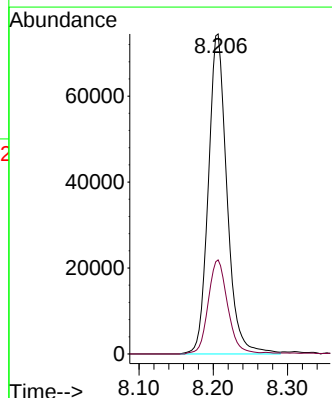
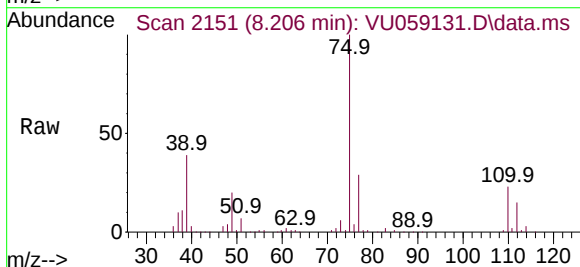
Acq: 04 Jun 2024 10:18

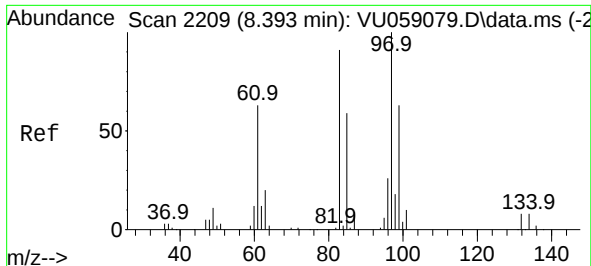
Tgt Ion: 75 Resp: 129645

Ion Ratio Lower Upper

75 100

77 29.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 51.338 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 99264

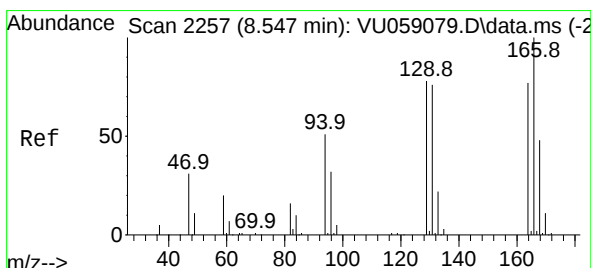
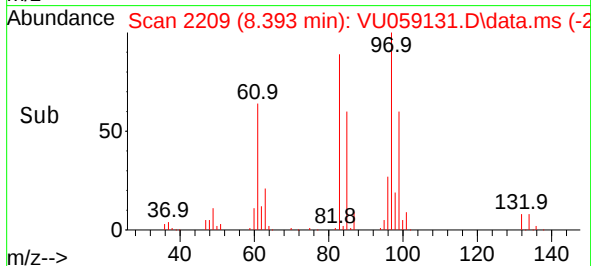
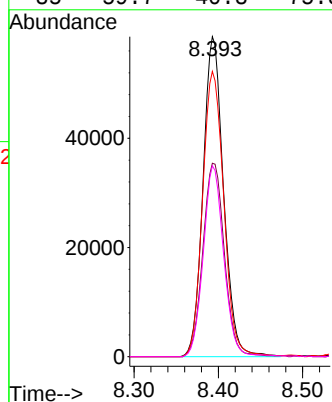
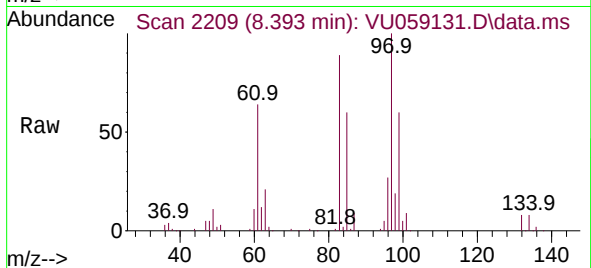
Ion Ratio Lower Upper

97 100

99 60.5 44.0 81.6

83 89.1 63.6 118.2

85 59.7 40.8 75.8



#46

Tetrachloroethene

Concen: 52.624 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Tgt Ion:164 Resp: 65001

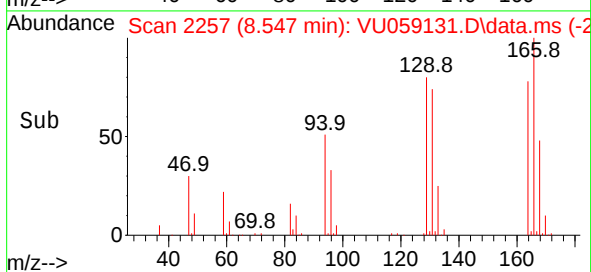
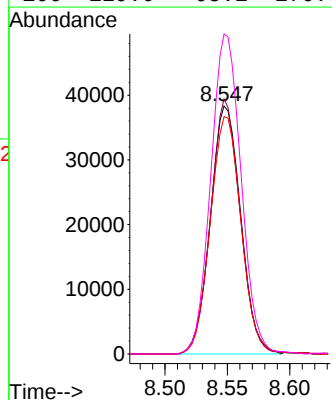
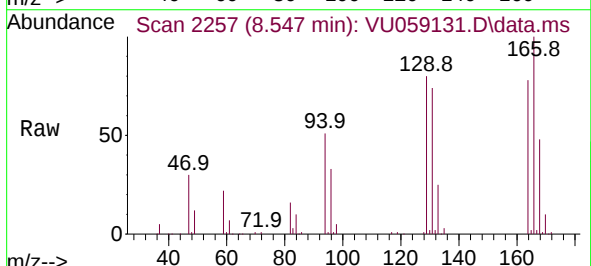
Ion Ratio Lower Upper

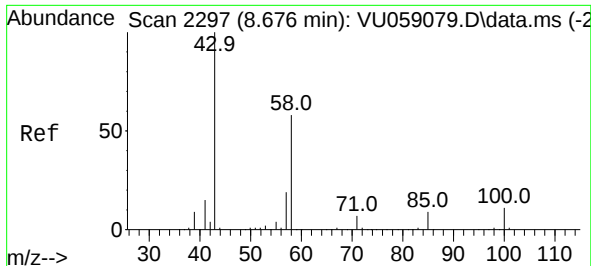
164 100

129 102.8 74.5 138.5

131 95.7 70.6 131.0

166 129.0 95.1 176.7





#48

2-Hexanone

Concen: 87.842 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 208869

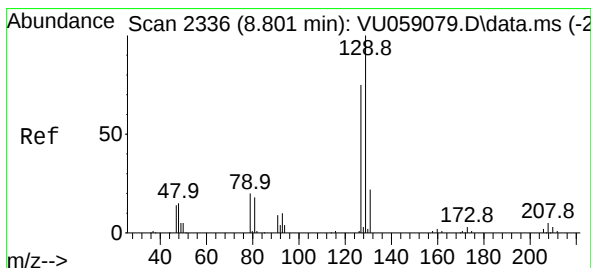
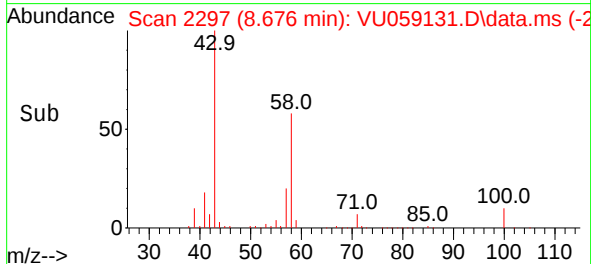
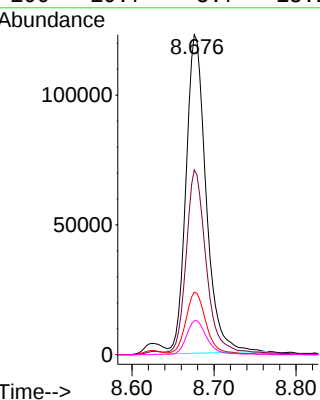
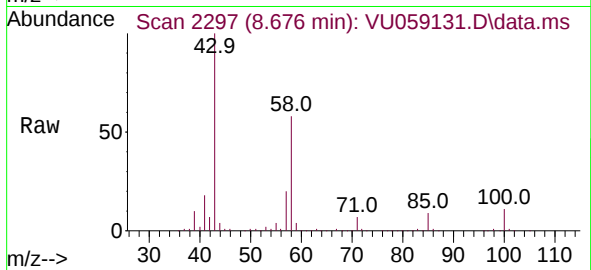
Ion Ratio Lower Upper

43 100

58 57.4 45.9 68.9

57 19.4 16.3 24.5

100 10.7 8.7 13.1



#49

Dibromochloromethane

Concen: 54.574 ug/L

RT: 8.805 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VU059131.D

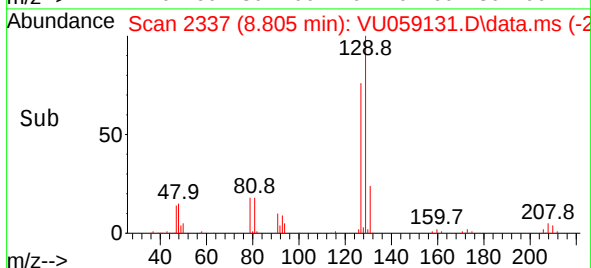
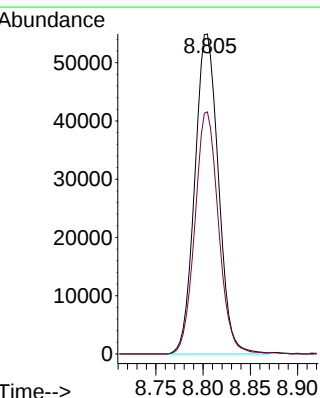
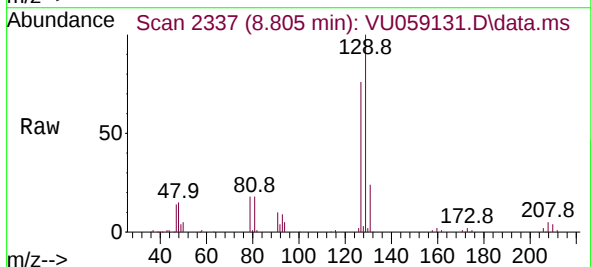
Acq: 04 Jun 2024 10:18

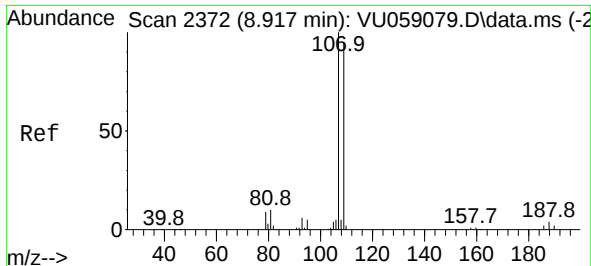
Tgt Ion: 129 Resp: 95363

Ion Ratio Lower Upper

129 100

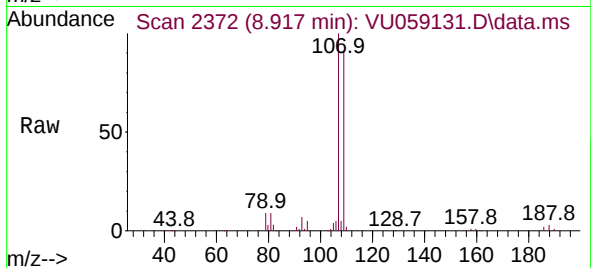
127 75.6 53.3 98.9



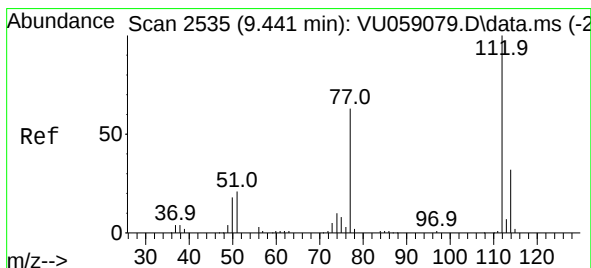
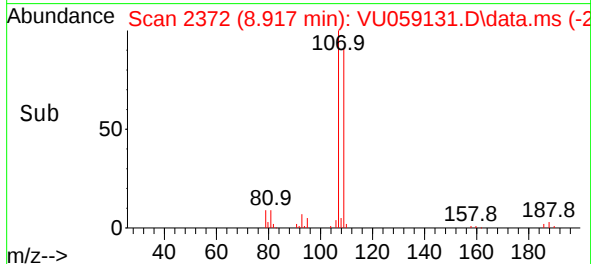
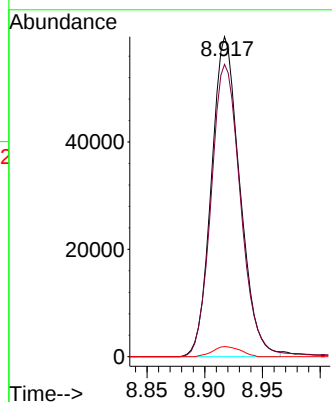


#50
1,2-Dibromoethane
Concen: 51.388 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Instrument :
MSVOA_U
ClientSampleId :

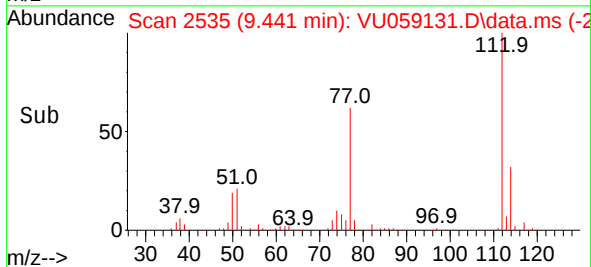
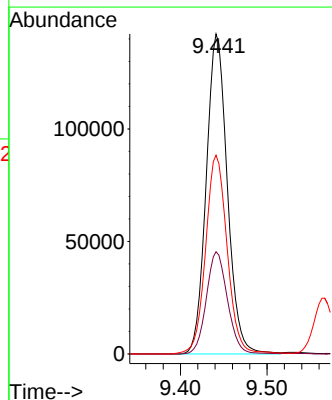
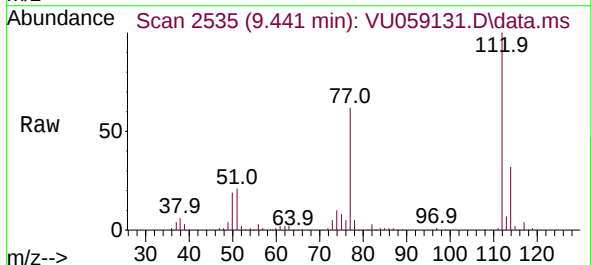


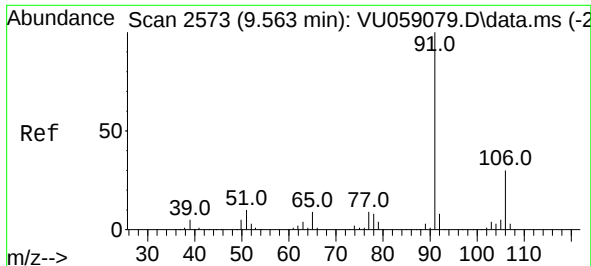
Tgt Ion:107 Resp: 102495
Ion Ratio Lower Upper
107 100
109 91.3 67.8 125.8
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 52.498 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion:112 Resp: 240869
Ion Ratio Lower Upper
112 100
114 32.0 22.1 41.1
77 62.1 49.8 74.6





#52

Ethylbenzene

Concen: 53.841 ug/L

RT: 9.567 min Scan# 2573

Delta R.T. 0.004 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

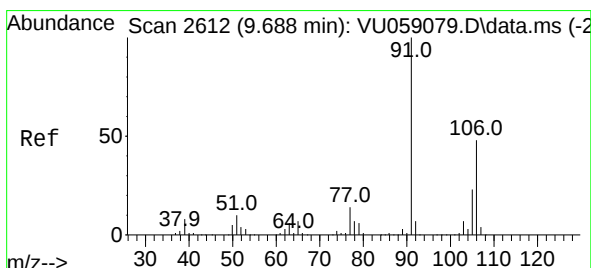
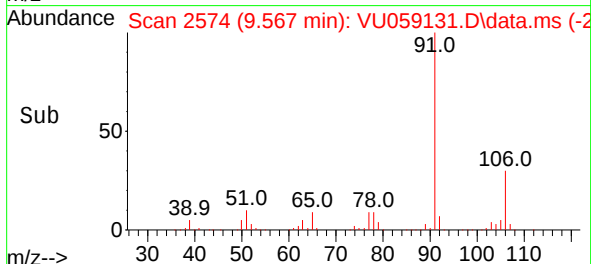
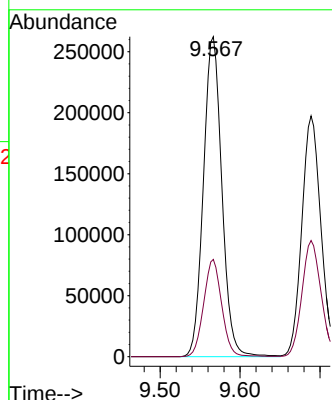
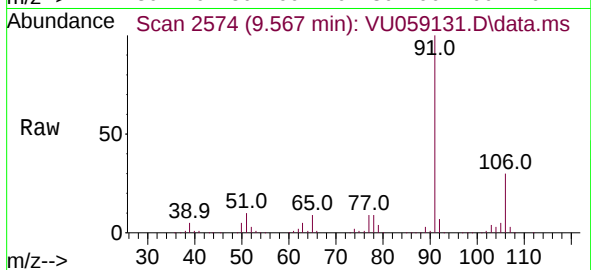
ClientSampleId :

Tgt Ion: 91 Resp: 421958

Ion Ratio Lower Upper

91 100

106 30.4 21.0 39.0



#53

m,p-Xylene

Concen: 54.808 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU059131.D

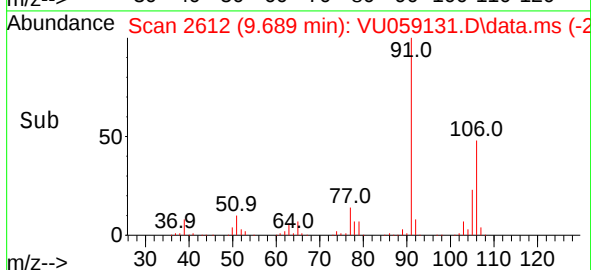
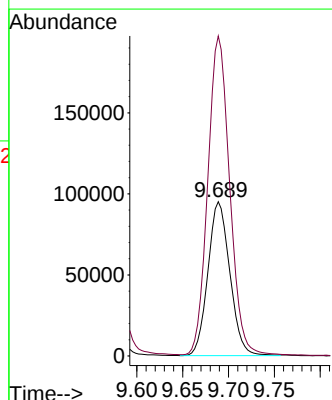
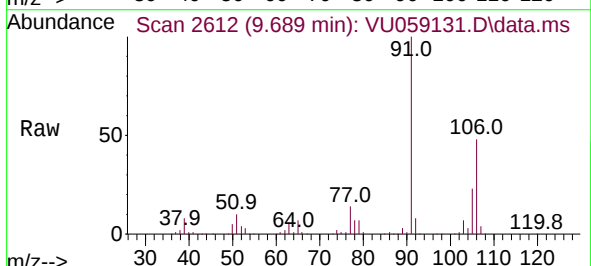
Acq: 04 Jun 2024 10:18

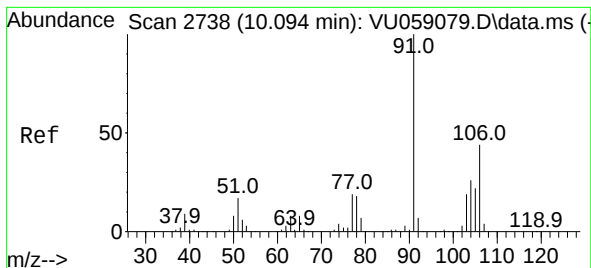
Tgt Ion:106 Resp: 157865

Ion Ratio Lower Upper

106 100

91 207.4 146.4 272.0





#54

o-Xylene

Concen: 54.386 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

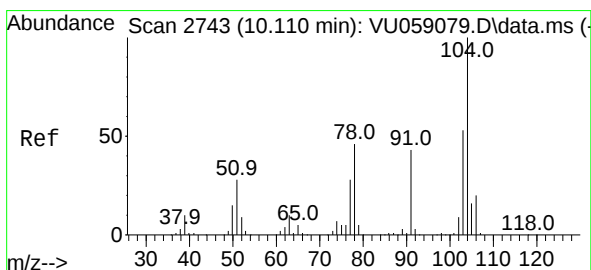
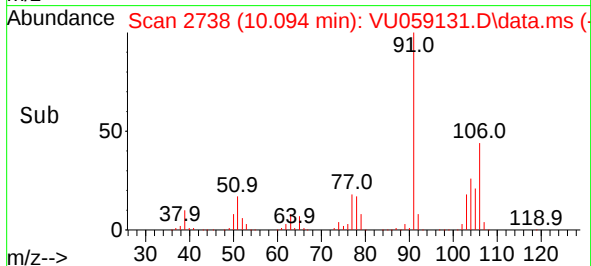
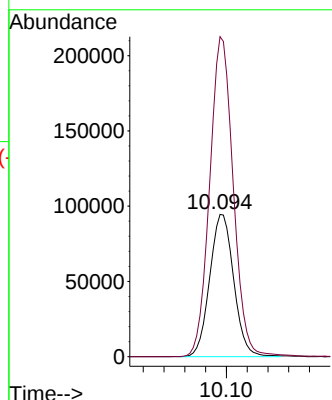
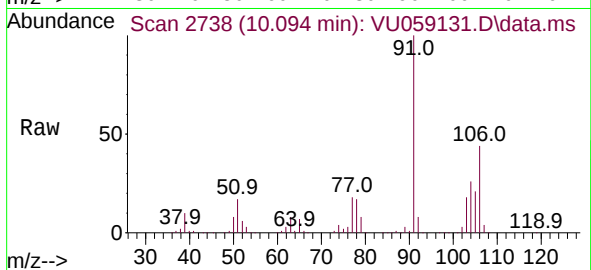
ClientSampleId :

Tgt Ion:106 Resp: 151817

Ion Ratio Lower Upper

106 100

91 224.9 156.7 290.9



#55

Styrene

Concen: 57.463 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU059131.D

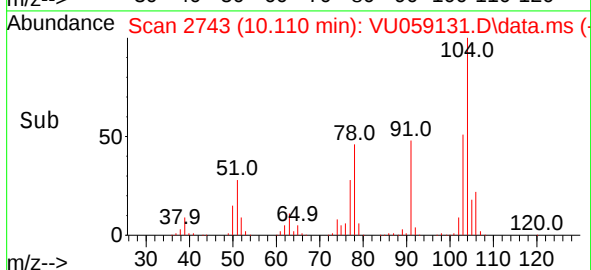
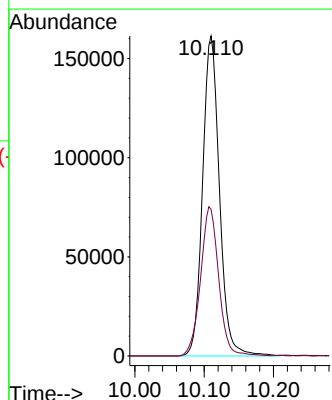
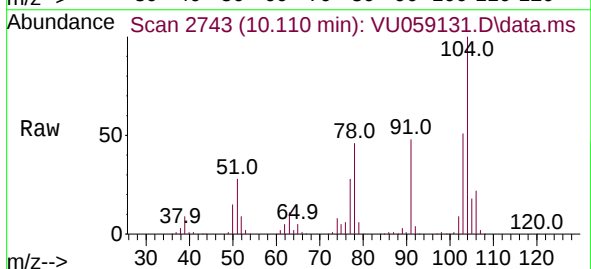
Acq: 04 Jun 2024 10:18

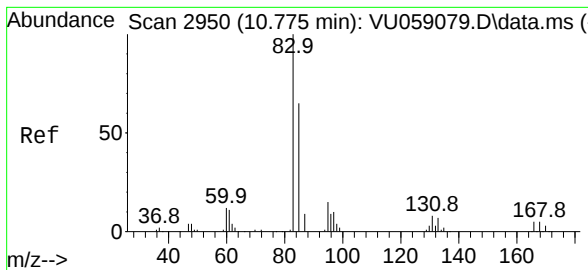
Tgt Ion:104 Resp: 272657

Ion Ratio Lower Upper

104 100

78 45.9 34.7 64.5

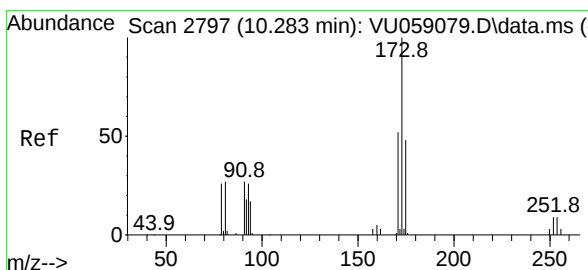
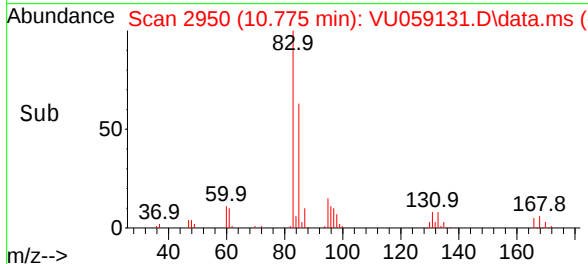
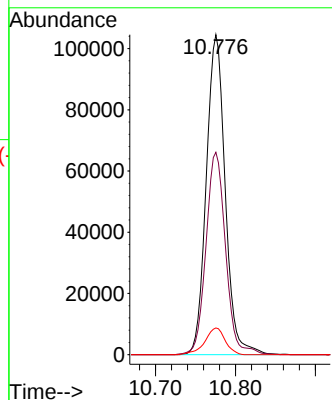
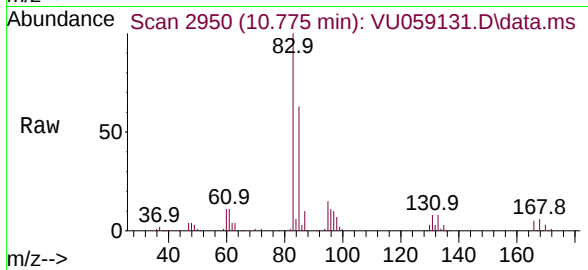




#57
1,1,2,2-Tetrachloroethane
Concen: 49.043 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

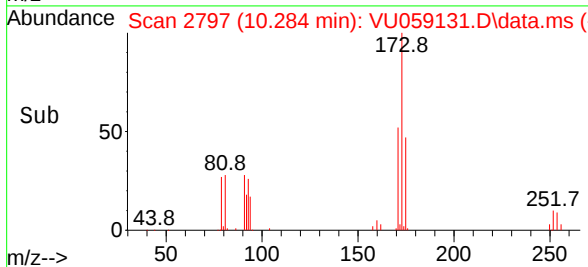
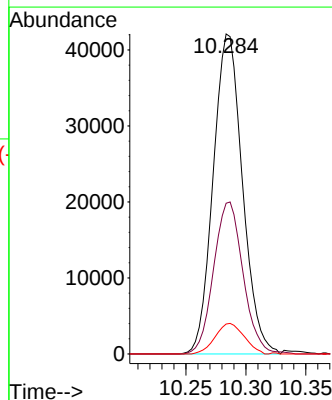
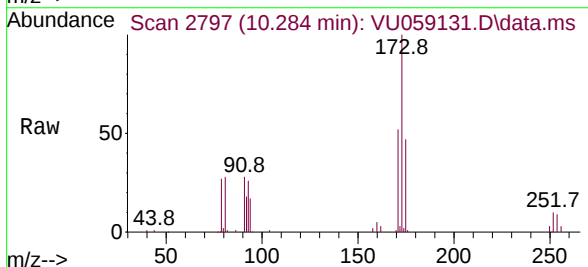
Instrument :
MSVOA_U
ClientSampleId :

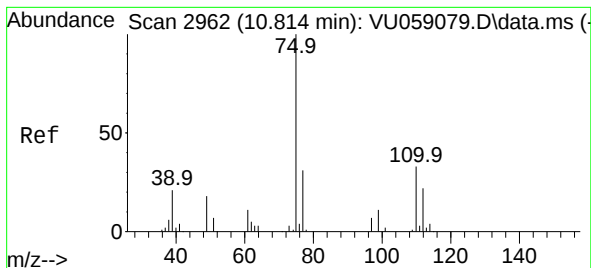
Tgt Ion: 83 Resp: 172741
Ion Ratio Lower Upper
83 100
85 63.2 46.1 85.7
131 8.3 7.0 10.4



#59
Bromoform
Concen: 52.030 ug/L
RT: 10.284 min Scan# 2797
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion:173 Resp: 71348
Ion Ratio Lower Upper
173 100
175 47.8 39.0 58.6
254 9.5 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 47.332 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

ClientSampleId :

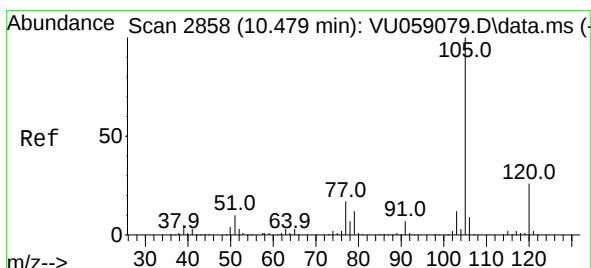
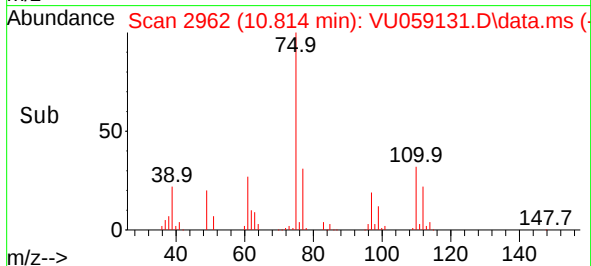
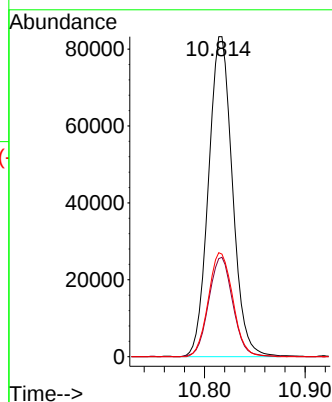
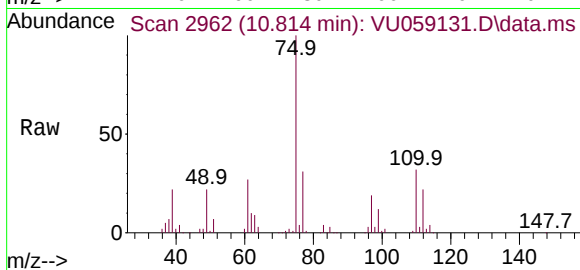
Tgt Ion: 75 Resp: 137660

Ion Ratio Lower Upper

75 100

77 31.3 26.2 39.2

110 33.2 28.4 42.6



#61

Isopropylbenzene

Concen: 54.540 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

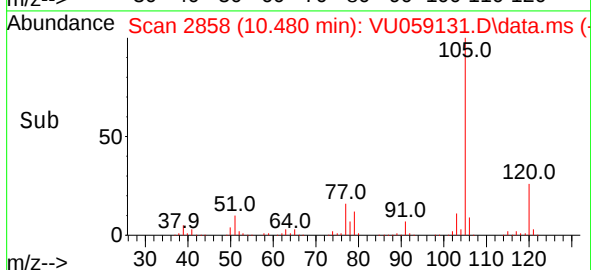
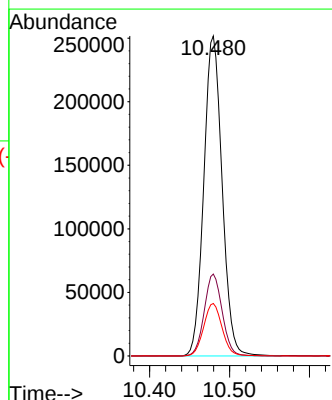
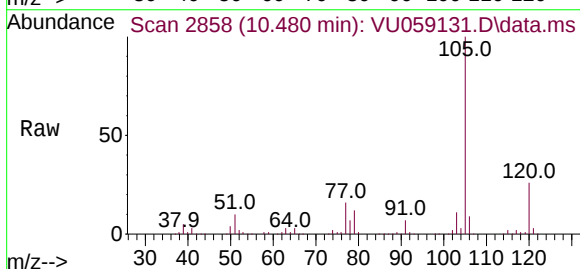
Tgt Ion:105 Resp: 401302

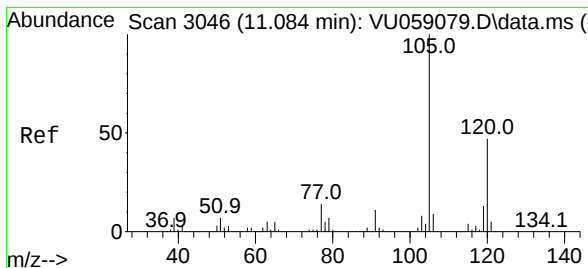
Ion Ratio Lower Upper

105 100

120 25.1 20.3 30.5

77 16.5 13.4 20.0





#62

1,3,5-Trimethylbenzene

Concen: 52.920 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

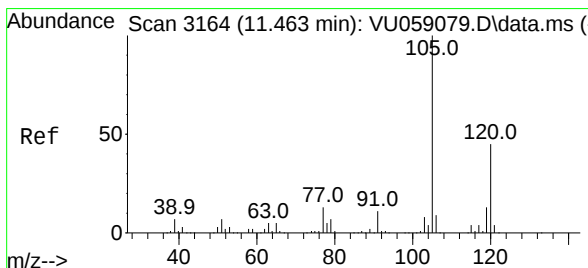
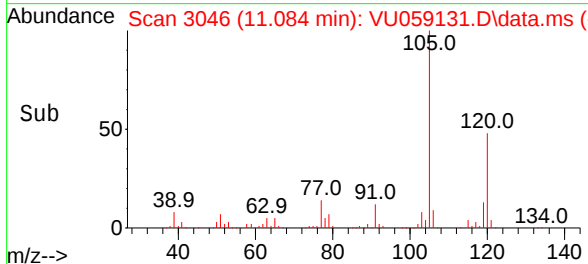
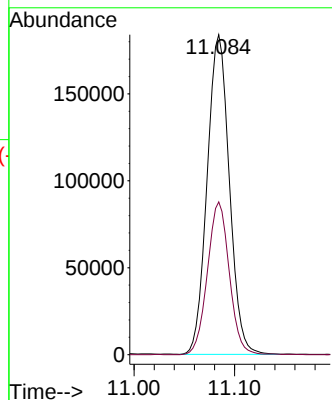
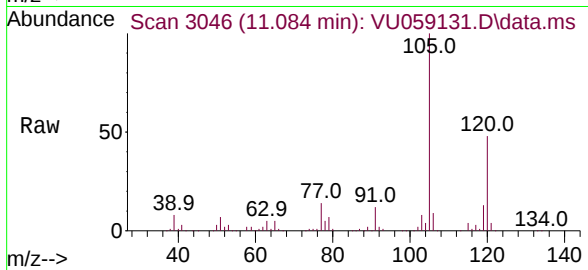
ClientSampleId :

Tgt Ion:105 Resp: 282124

Ion Ratio Lower Upper

105 100

120 47.0 37.8 56.8



#63

1,2,4-Trimethylbenzene

Concen: 54.948 ug/L

RT: 11.464 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU059131.D

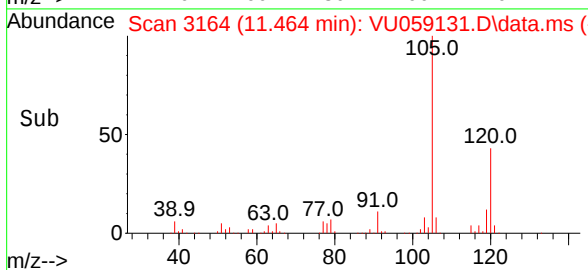
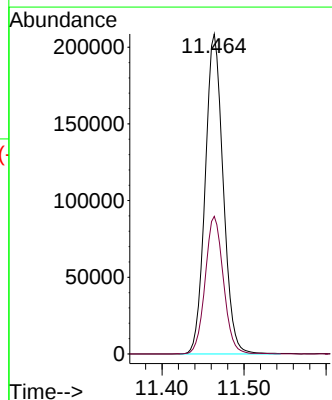
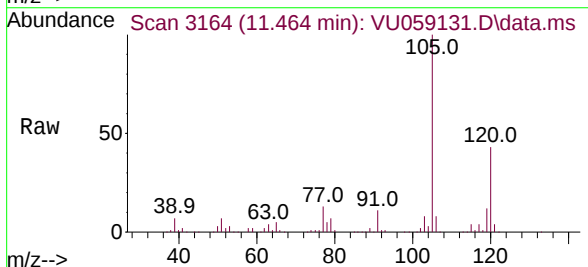
Acq: 04 Jun 2024 10:18

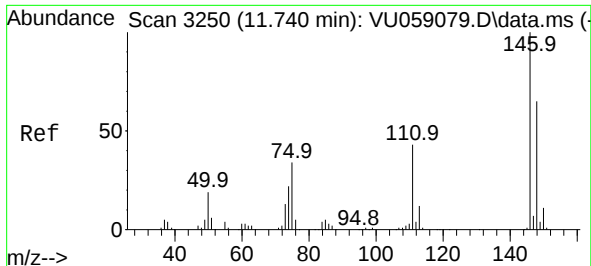
Tgt Ion:105 Resp: 317553

Ion Ratio Lower Upper

105 100

120 43.5 35.0 52.6

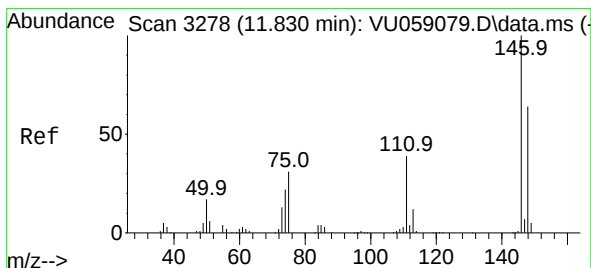
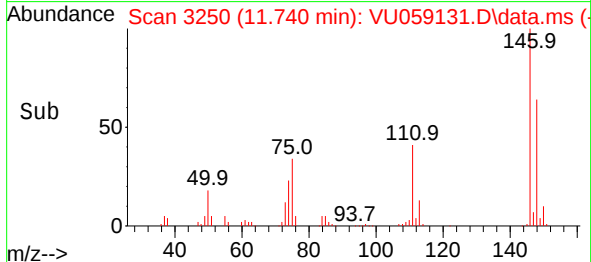
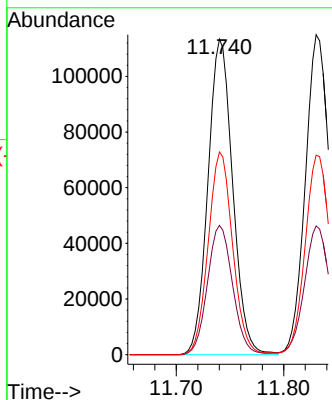
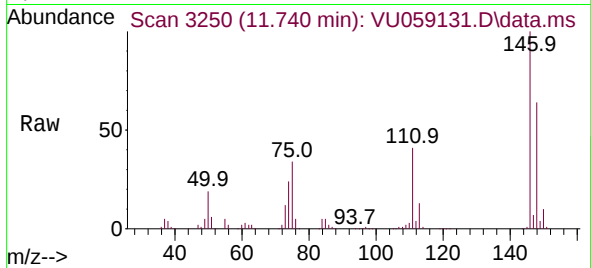




#64
1,3-Dichlorobenzene
Concen: 52.716 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

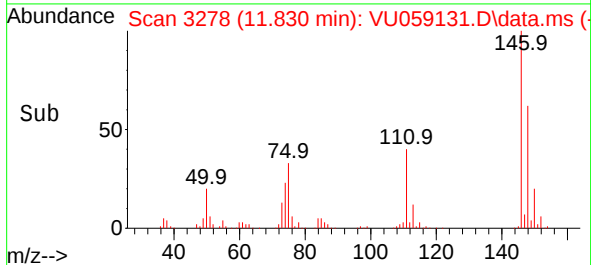
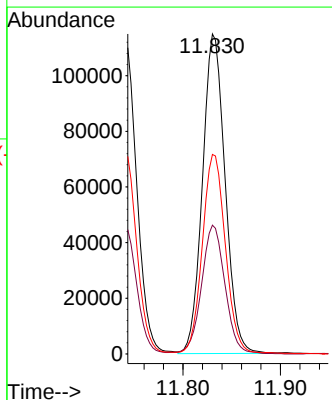
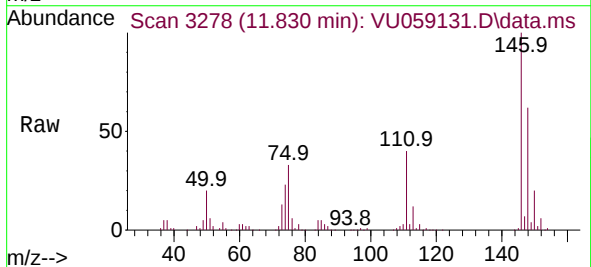
Instrument :
MSVOA_U
ClientSampleId :

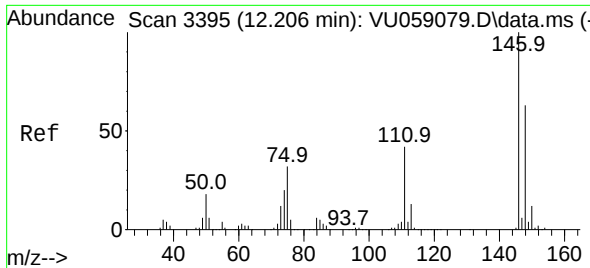
Tgt Ion:146 Resp: 181286
Ion Ratio Lower Upper
146 100
111 41.0 28.7 53.3
148 64.3 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 52.166 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059131.D
Acq: 04 Jun 2024 10:18

Tgt Ion:146 Resp: 185271
Ion Ratio Lower Upper
146 100
111 40.3 27.9 51.9
148 62.4 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 50.255 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

ClientSampleId :

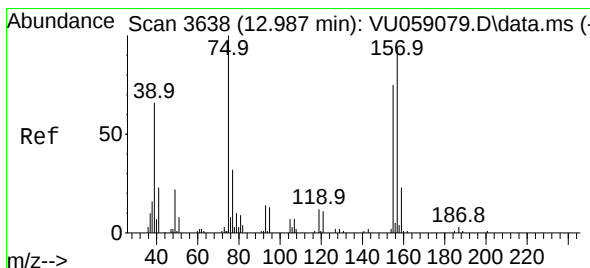
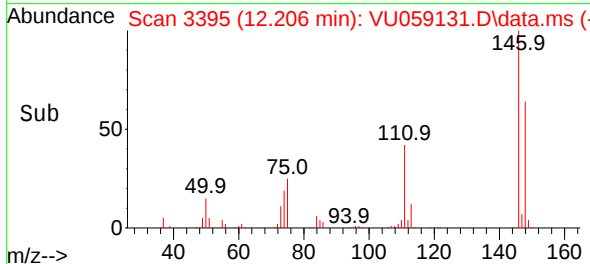
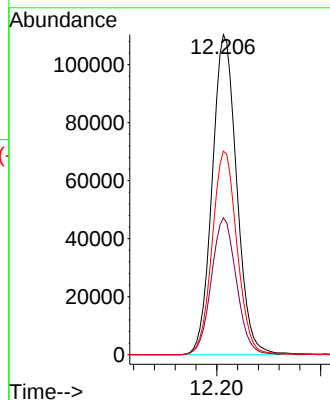
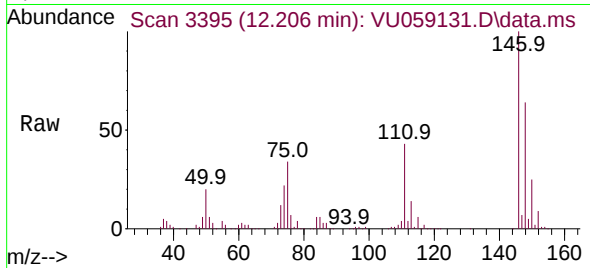
Tgt Ion:146 Resp: 180631

Ion Ratio Lower Upper

146 100

111 42.8 33.4 50.2

148 63.6 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 47.244 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

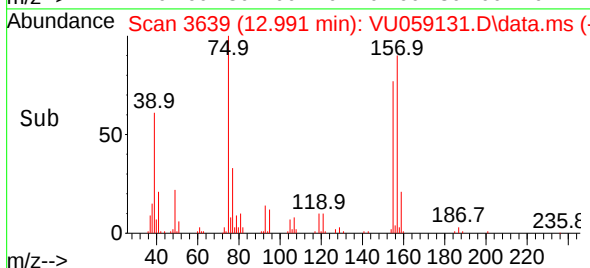
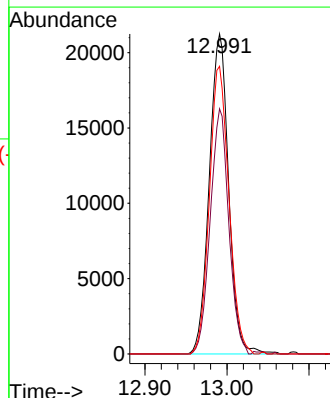
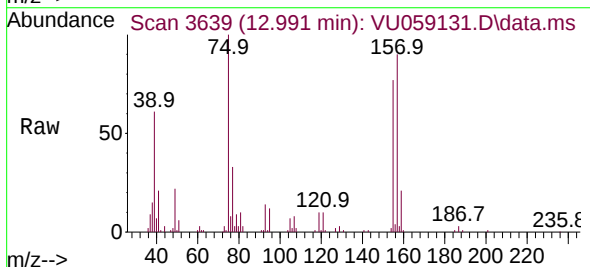
Tgt Ion: 75 Resp: 34834

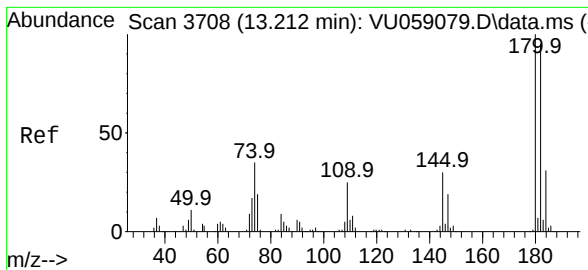
Ion Ratio Lower Upper

75 100

155 76.6 57.5 86.3

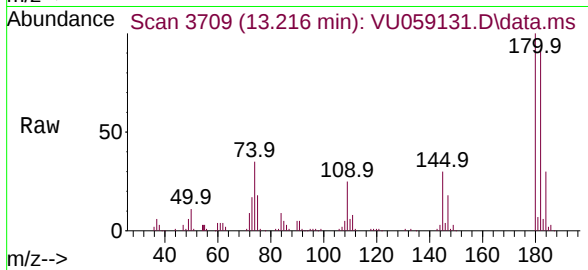
157 89.9 73.4 110.2



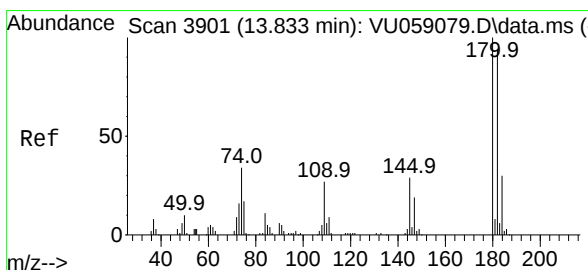
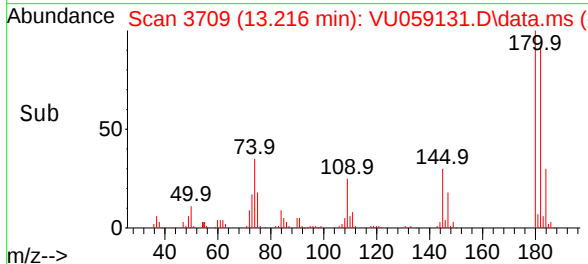
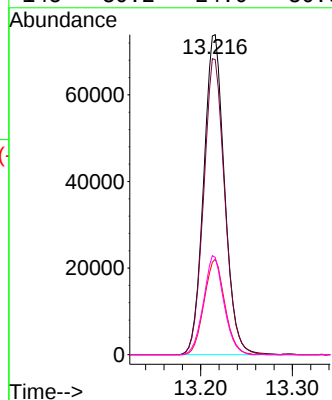


#69
 1,3,5-Trichlorobenzene
 Concen: 51.456 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.004 min
 Lab File: VU059131.D
 Acq: 04 Jun 2024 10:18

Instrument :
 MSVOA_U
 ClientSampleId :

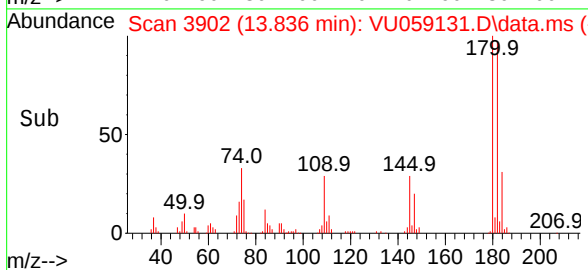
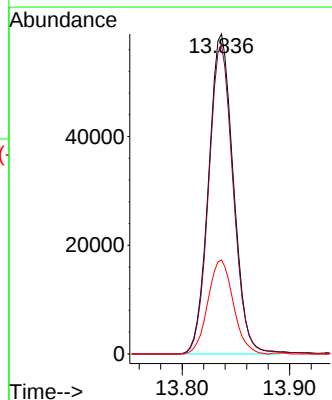
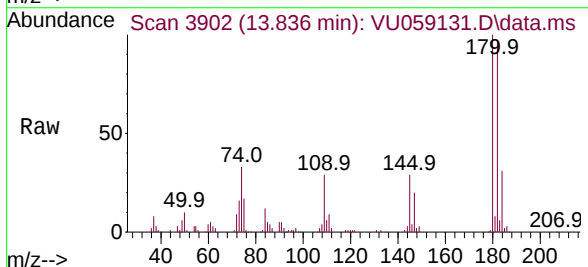


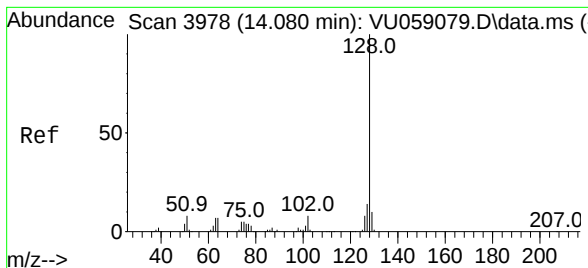
Tgt Ion:180 Resp: 116864
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.6 113.4
 184 29.6 24.2 36.2
 145 30.2 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 51.977 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU059131.D
 Acq: 04 Jun 2024 10:18

Tgt Ion:180 Resp: 94284
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.4 116.2
 145 30.0 24.8 37.2





#71

Naphthalene

Concen: 44.885 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Instrument :

MSVOA_U

ClientSampleId :

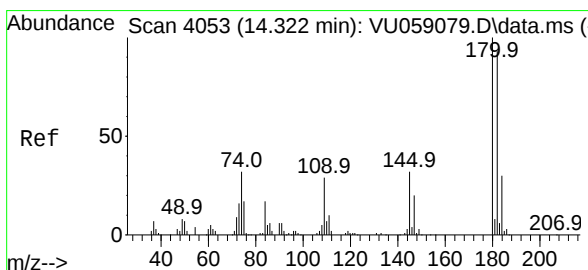
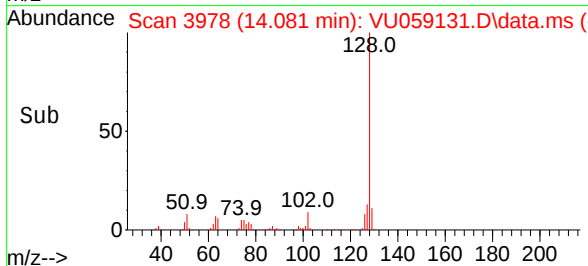
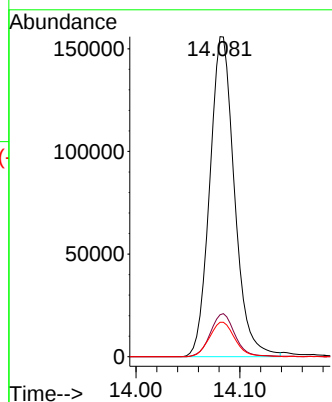
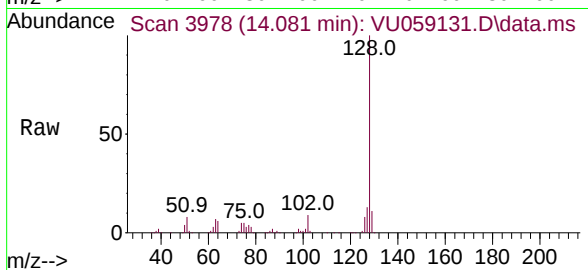
Tgt Ion:128 Resp: 257715

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 54.329 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU059131.D

Acq: 04 Jun 2024 10:18

Tgt Ion:180 Resp: 100192

Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

145 32.8 26.4 39.6

