

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053024\
 Data File : VU059101.D
 Acq On : 30 May 2024 17:53
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 31 03:25:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	223852	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	222367	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	112425	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	58365	43.546	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.100%
7) Chloroethane-d5	1.907	69	49935	43.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.980%
11) 1,1-Dichloroethene-d2	2.563	63	119088	45.014	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.020%
21) 2-Butanone-d5	4.608	46	121321	96.034	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.030%
24) Chloroform-d	5.055	84	125700	47.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
26) 1,2-Dichloroethane-d4	5.692	65	75807	46.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
32) Benzene-d6	5.721	84	232008	45.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.920%
36) 1,2-Dichloropropane-d6	6.682	67	79263	45.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.080%
41) Toluene-d8	7.891	98	199903	46.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.280%
43) trans-1,3-Dichloroprop...	8.174	79	34904	49.070	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.140%
47) 2-Hexanone-d5	8.624	63	73816	90.711	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.710%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	129448	43.465	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.920%
66) 1,2-Dichlorobenzene-d4	12.187	152	74313	44.293	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	110246	48.607	ug/L	100
3) Chloromethane	1.518	50	124948	47.666	ug/L	99
5) Vinyl chloride	1.602	62	127935	49.669	ug/L	100
6) Bromomethane	1.850	94	74721	36.260	ug/L	97
8) Chloroethane	1.930	64	75738	47.153	ug/L	99
9) Trichlorofluoromethane	2.133	101	141353	47.159	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	82998	47.593	ug/L	97
12) 1,1-Dichloroethene	2.573	96	78485	49.620	ug/L	95
13) Acetone	2.615	43	96075	64.701	ug/L	99
14) Carbon disulfide	2.788	76	264111	49.579	ug/L	100
15) Methyl Acetate	2.940	43	114896	48.848	ug/L	97
16) Methylene chloride	3.036	84	99741	46.604	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	85711	50.205	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	266672	48.088	ug/L	100
19) 1,1-Dichloroethane	3.859	63	174774	47.761	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	95991	49.342	ug/L	96
22) 2-Butanone	4.689	43	151639	84.349	ug/L	100
23) Bromochloromethane	4.965	128	47087	47.784	ug/L	98
25) Chloroform	5.078	83	171543	48.413	ug/L	97

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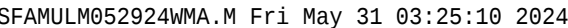
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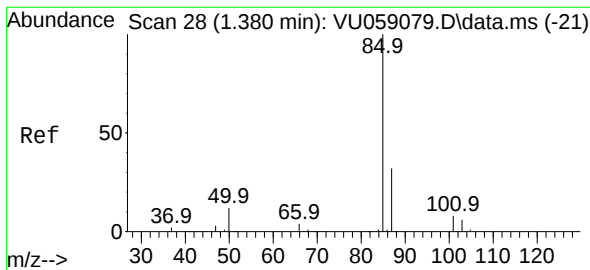
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 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	139070	46.460	ug/L	99
29) Cyclohexane	5.380	56	144842	48.790	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	137968	47.720	ug/L	100
31) Carbon tetrachloride	5.515	117	110885	47.217	ug/L	99
33) Benzene	5.766	78	389114	48.460	ug/L	100
34) Trichloroethene	6.534	95	98536	50.118	ug/L	99
35) Methylcyclohexane	6.756	83	141886	49.082	ug/L	100
37) 1,2-Dichloropropane	6.782	63	108974	47.794	ug/L	100
38) Bromodichloromethane	7.097	83	126781	47.736	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	154772	49.061	ug/L	98
40) 4-Methyl-2-pentanone	7.779	43	293518	98.194	ug/L	99
42) Toluene	7.962	91	403875	50.109	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	144957	50.756	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	98382	47.991	ug/L	97
46) Tetrachloroethene	8.547	164	64652	49.368	ug/L	96
48) 2-Hexanone	8.676	43	226490	89.840	ug/L	97
49) Dibromochloromethane	8.801	129	91047	49.144	ug/L	97
50) 1,2-Dibromoethane	8.917	107	102967	48.692	ug/L	98
51) Chlorobenzene	9.441	112	240400	49.419	ug/L	100
52) Ethylbenzene	9.563	91	426869	51.373	ug/L	100
53) m,p-Xylene	9.688	106	157261	51.496	ug/L	99
54) o-Xylene	10.094	106	151102	51.055	ug/L	99
55) Styrene	10.106	104	268024	53.278	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	169248	45.321	ug/L	98
59) Bromoform	10.283	173	69420	47.094	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	136928	43.797	ug/L	99
61) Isopropylbenzene	10.476	105	403137	50.969	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	287652	50.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	321394	51.735	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	181579	49.119	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	188472	49.367	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	180745	46.780	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.987	75	36667	46.262	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	120072	49.182	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	104863	53.778	ug/L	98
71) Naphthalene	14.081	128	348191	56.414	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	109885	55.430	ug/L	99

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

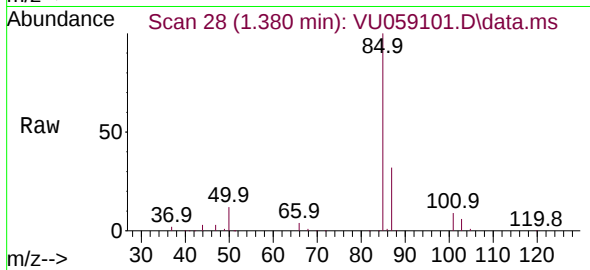
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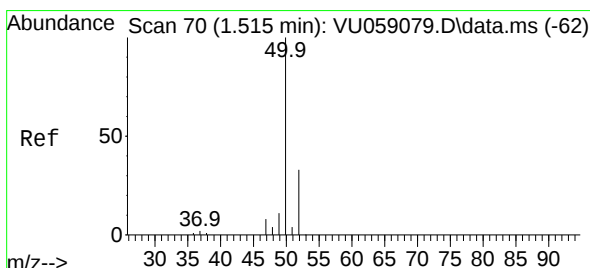
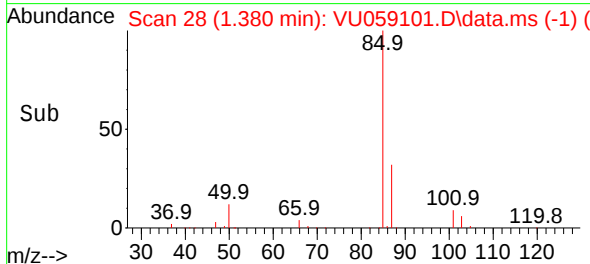
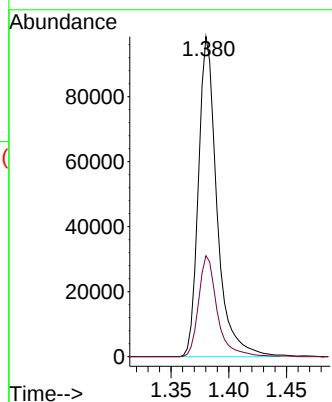


#2
 Dichlorodifluoromethane
 Concen: 48.607 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU059101.D
 Acq: 30 May 2024 17:53

Instrument :
 MSVOA_U
 ClientSampleId :

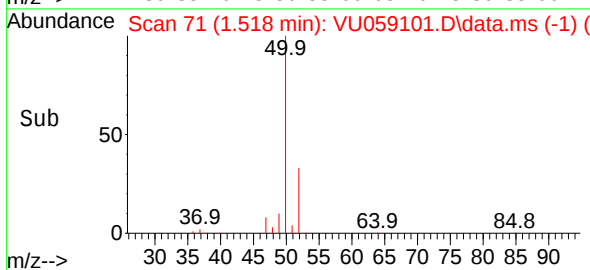
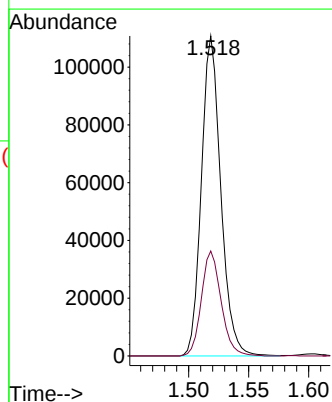
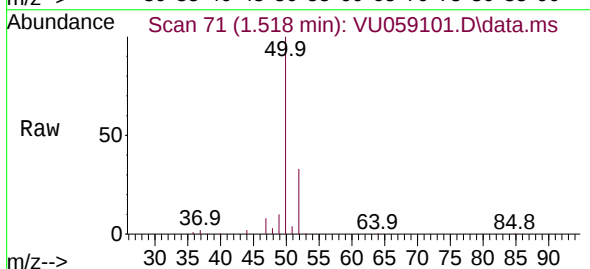


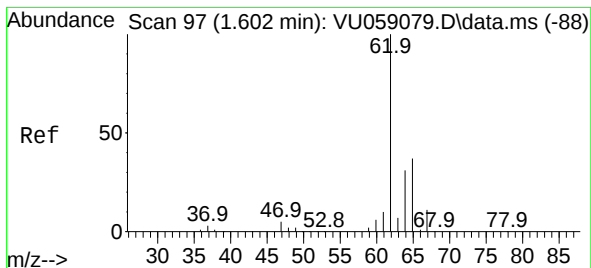
Tgt Ion: 85 Resp: 110246
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.4 38.2



#3
 Chloromethane
 Concen: 47.666 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU059101.D
 Acq: 30 May 2024 17:53

Tgt Ion: 50 Resp: 124948
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.2 43.2





#5

Vinyl chloride

Concen: 49.669 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

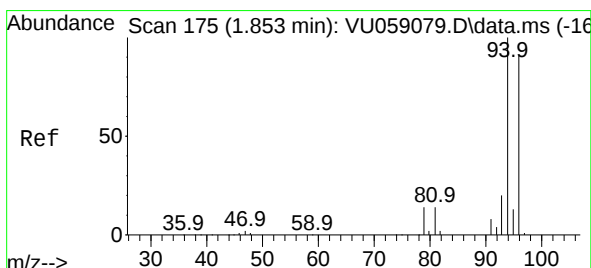
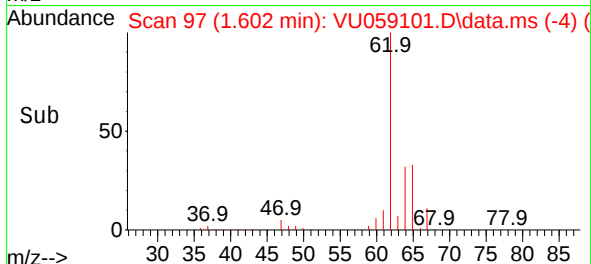
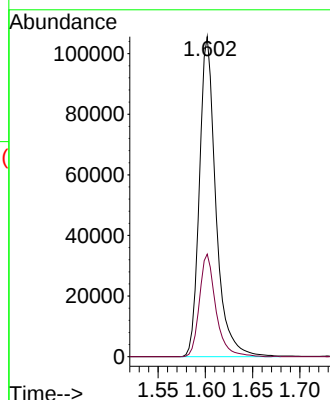
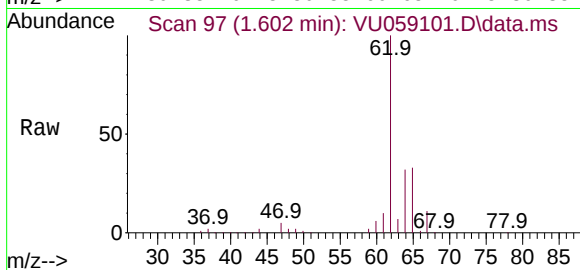
ClientSampleId :

Tgt Ion: 62 Resp: 127935

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 36.260 ug/L

RT: 1.850 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU059101.D

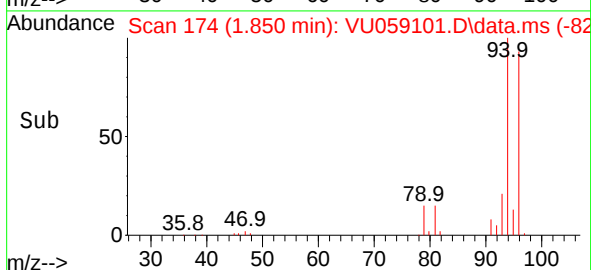
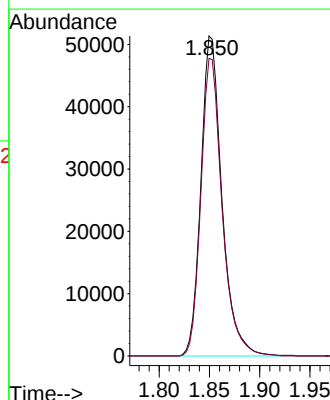
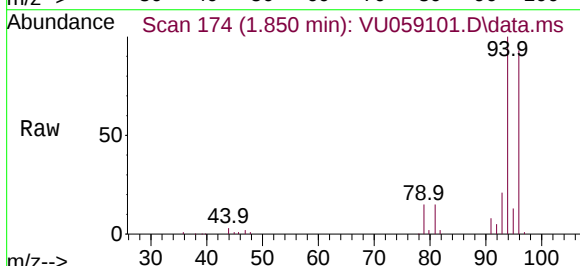
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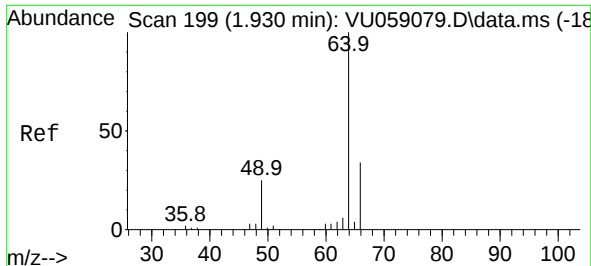
Tgt Ion: 94 Resp: 74721

Ion Ratio Lower Upper

94 100

96 92.9 67.1 124.7

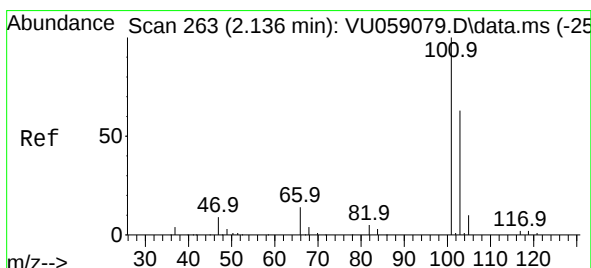
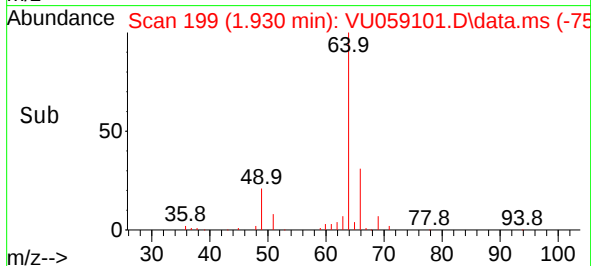
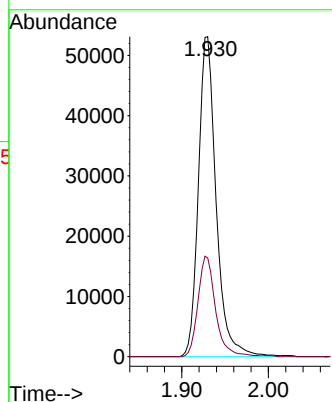
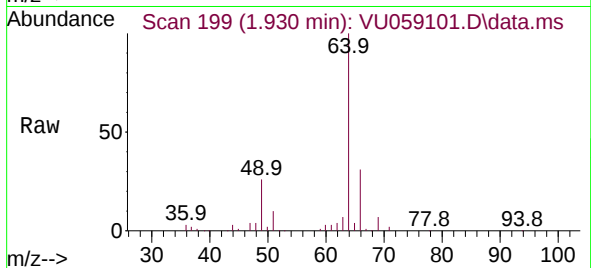




#8
Chloroethane
Concen: 47.153 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

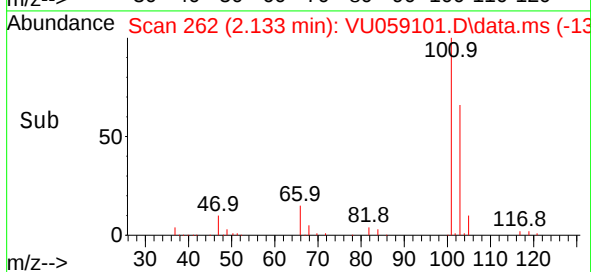
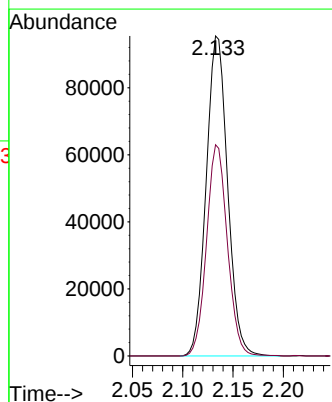
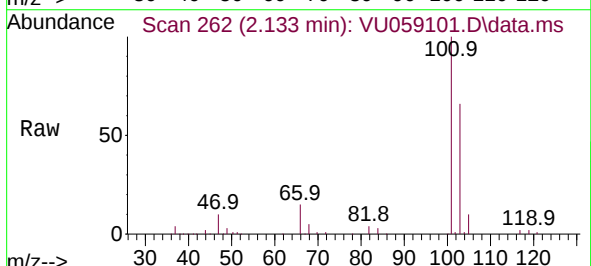
Instrument :
MSVOA_U
ClientSampleId :

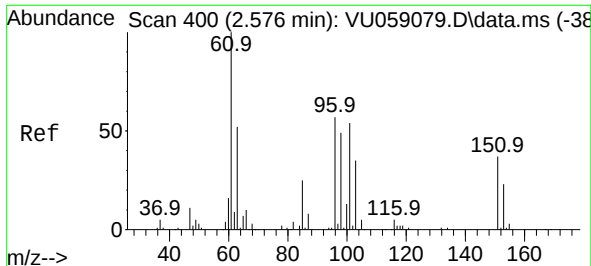
Tgt Ion: 64 Resp: 75738
Ion Ratio Lower Upper
64 100
66 30.9 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.159 ug/L
RT: 2.133 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:101 Resp: 141353
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6





#10

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

Concen: 47.593 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :

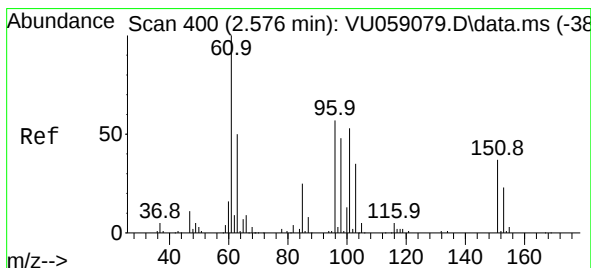
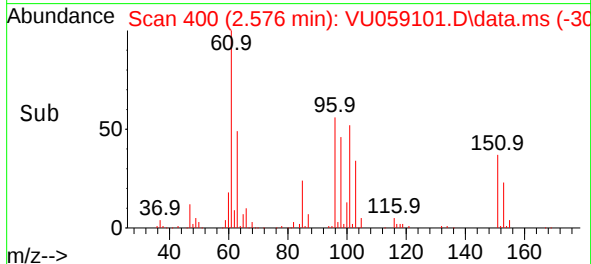
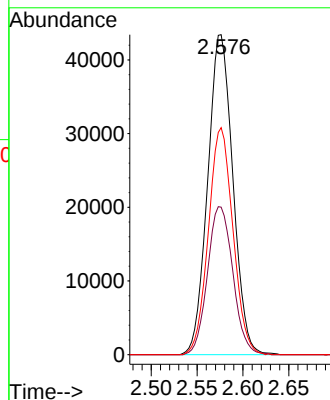
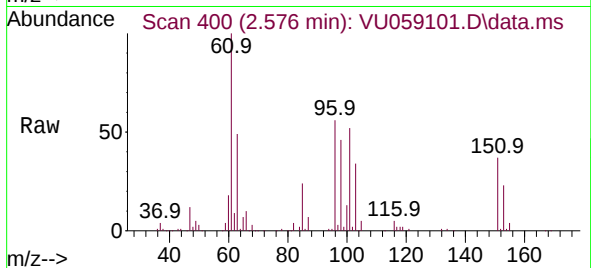
Tgt Ion:101 Resp: 82998

Ion Ratio Lower Upper

101 100

85 46.5 36.7 55.1

151 69.2 52.2 78.2



#12

1,1-Dichloroethene

Concen: 49.620 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

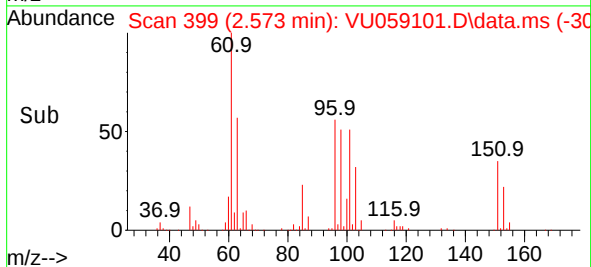
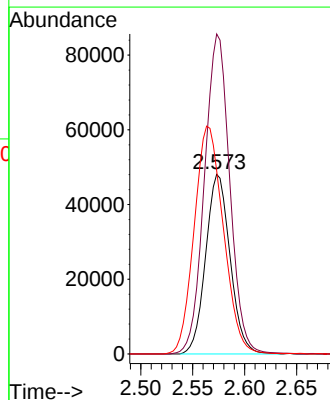
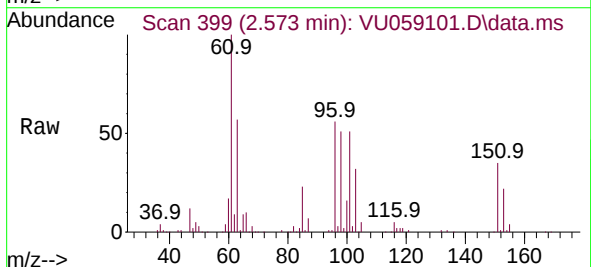
Tgt Ion: 96 Resp: 78485

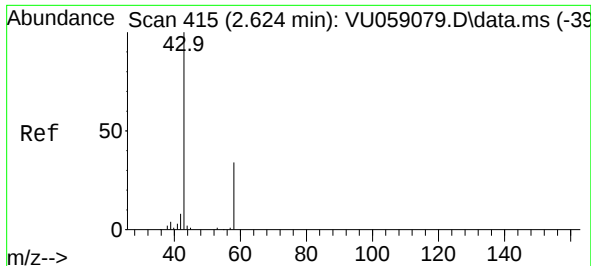
Ion Ratio Lower Upper

96 100

61 178.1 126.3 234.6

63 102.0 78.7 146.1





#13

Acetone

Concen: 64.701 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

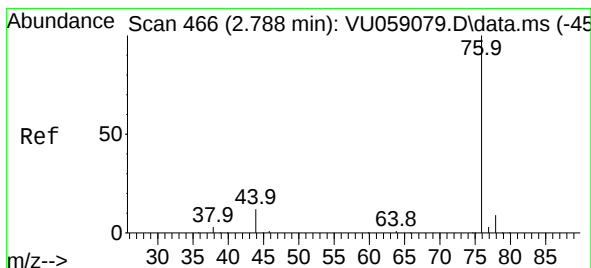
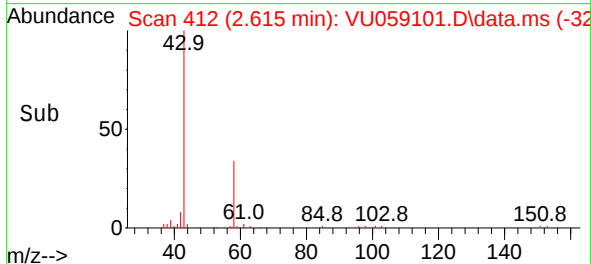
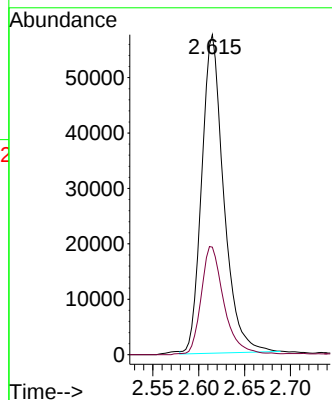
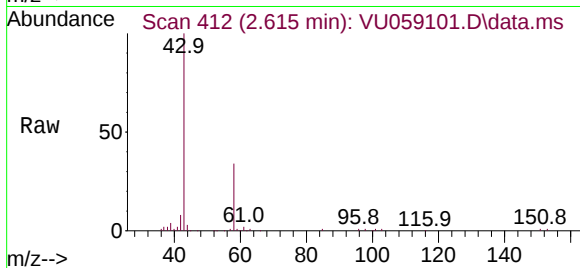
ClientSampleId :

Tgt Ion: 43 Resp: 96075

Ion Ratio Lower Upper

43 100

58 35.0 0.0 68.8



#14

Carbon disulfide

Concen: 49.579 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU059101.D

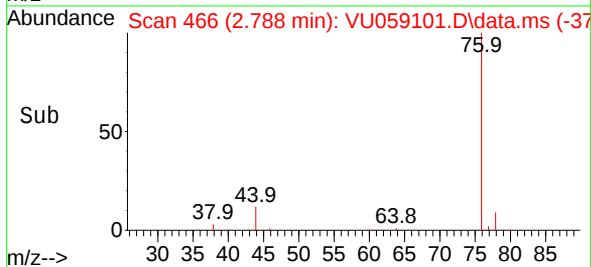
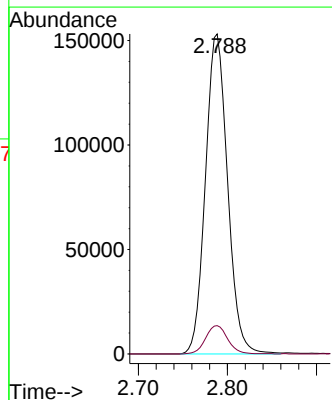
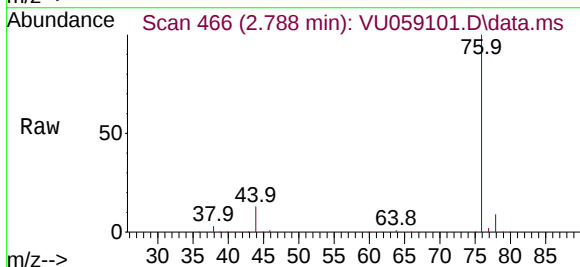
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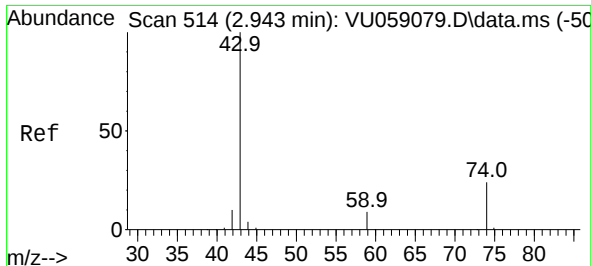
Tgt Ion: 76 Resp: 264111

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#15

Methyl Acetate

Concen: 48.848 ug/L

RT: 2.940 min Scan# 514

Delta R.T. -0.003 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

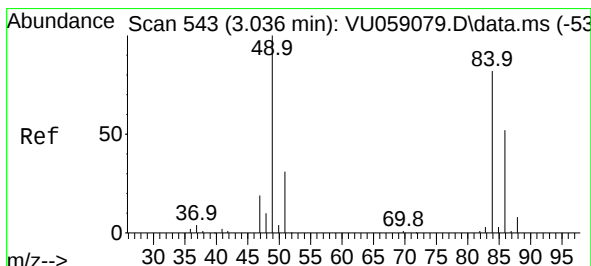
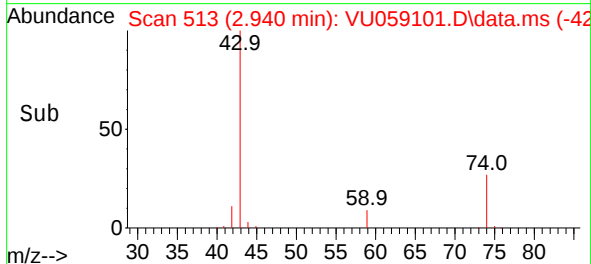
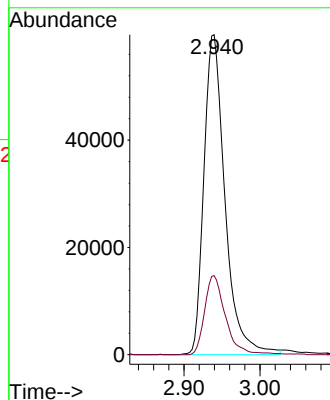
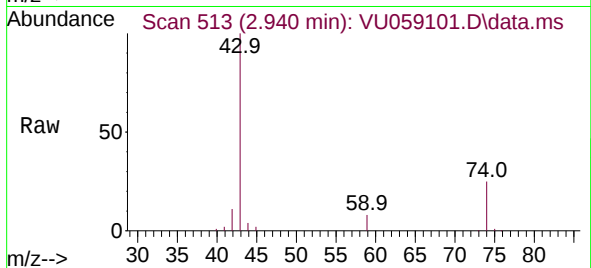
ClientSampleId :

Tgt Ion: 43 Resp: 114896

Ion Ratio Lower Upper

43 100

74 24.4 20.8 31.2



#16

Methylene chloride

Concen: 46.604 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

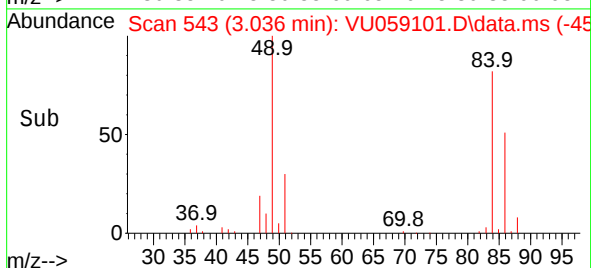
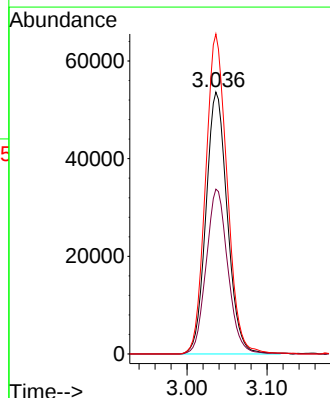
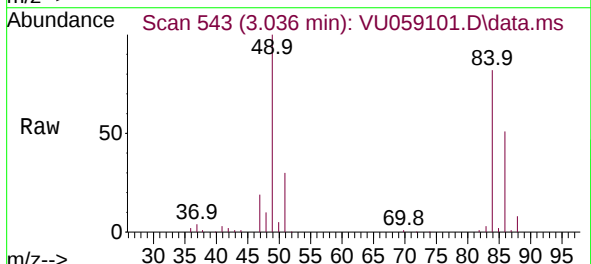
Tgt Ion: 84 Resp: 99741

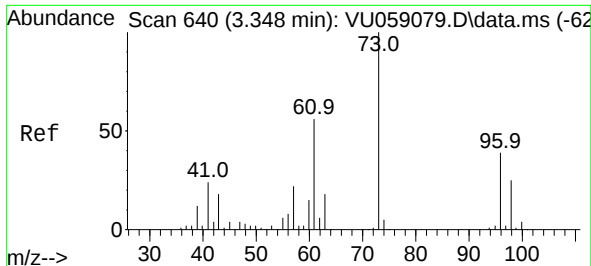
Ion Ratio Lower Upper

84 100

86 62.9 44.9 83.3

49 122.2 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 50.205 ug/L

RT: 3.345 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :

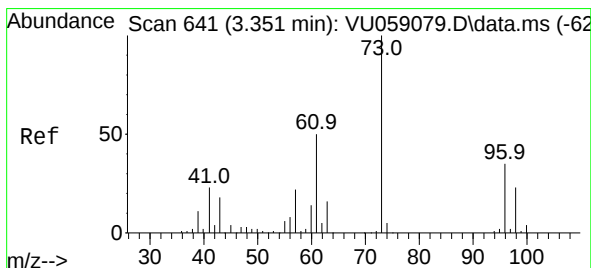
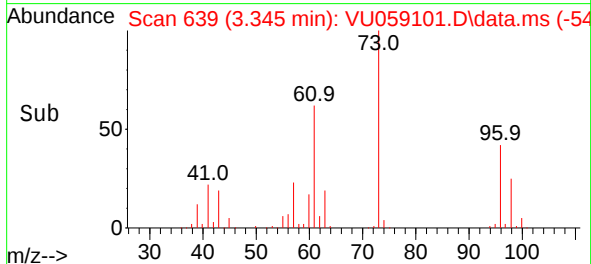
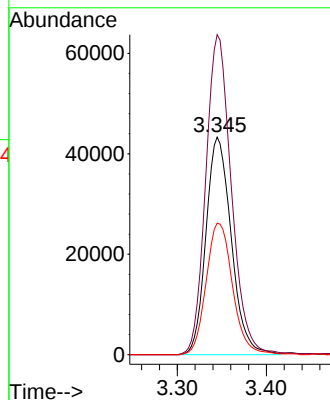
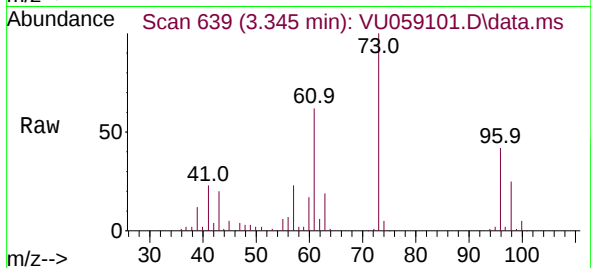
Tgt Ion: 96 Resp: 85711

Ion Ratio Lower Upper

96 100

61 147.1 103.5 192.3

98 60.4 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 48.088 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

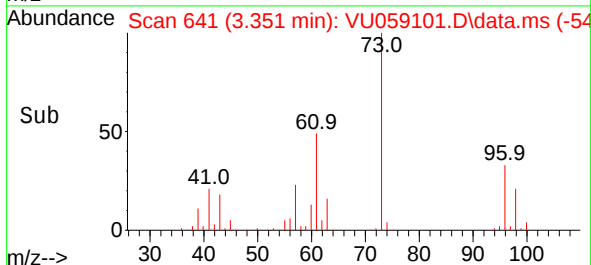
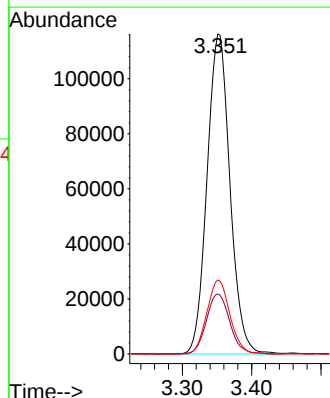
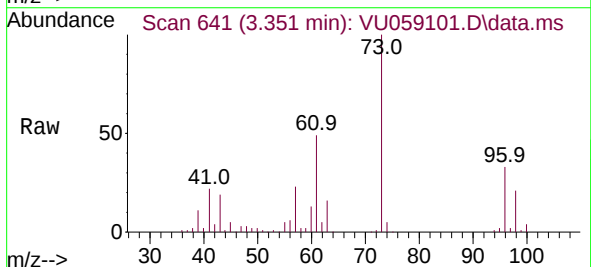
Tgt Ion: 73 Resp: 266672

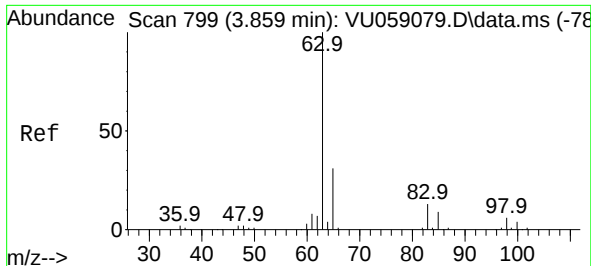
Ion Ratio Lower Upper

73 100

43 19.2 15.6 23.4

57 23.2 18.6 28.0





#19

1,1-Dichloroethane

Concen: 47.761 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :

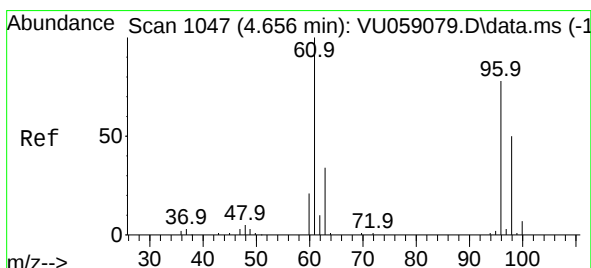
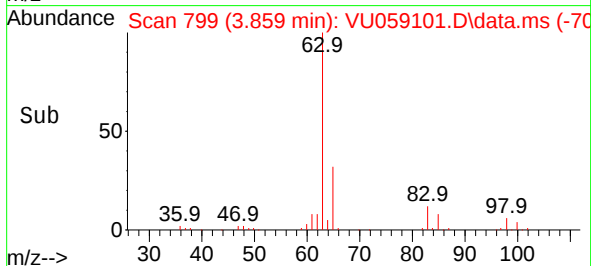
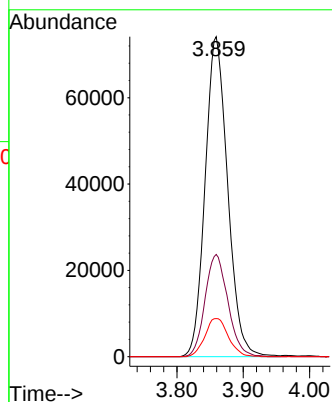
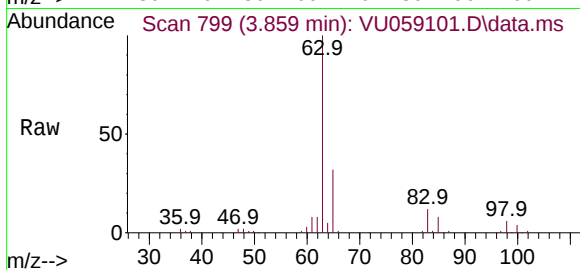
Tgt Ion: 63 Resp: 174774

Ion Ratio Lower Upper

63 100

65 31.9 21.3 39.5

83 11.9 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 49.342 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

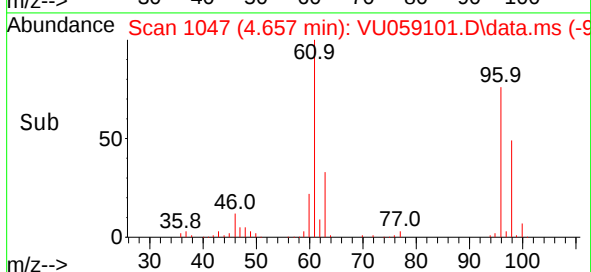
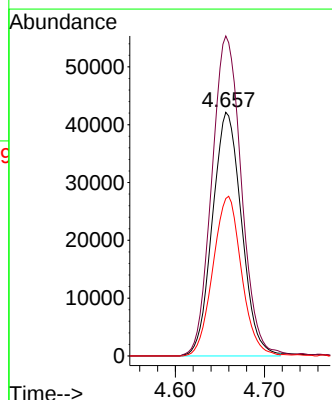
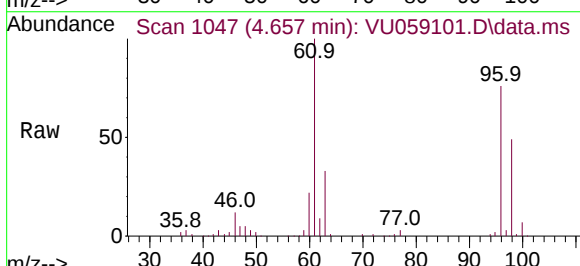
Tgt Ion: 96 Resp: 95991

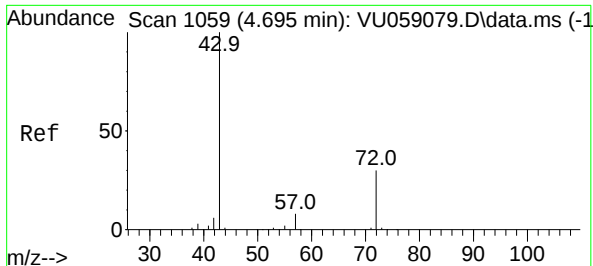
Ion Ratio Lower Upper

96 100

61 131.3 96.2 178.6

98 64.6 45.6 84.6

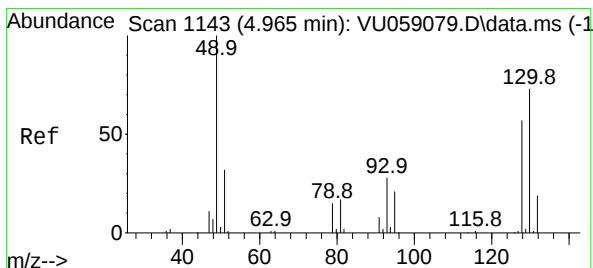
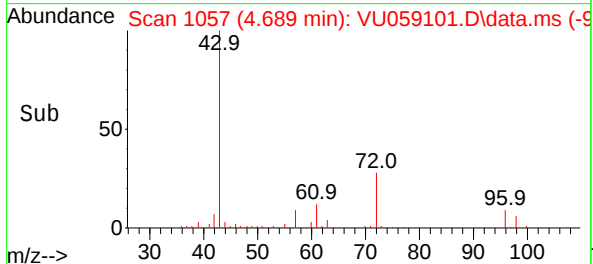
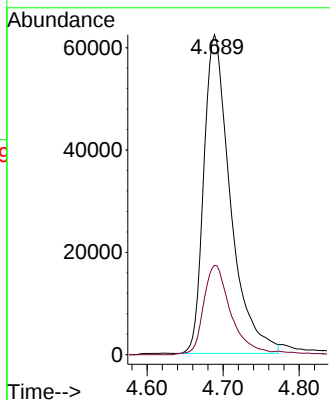
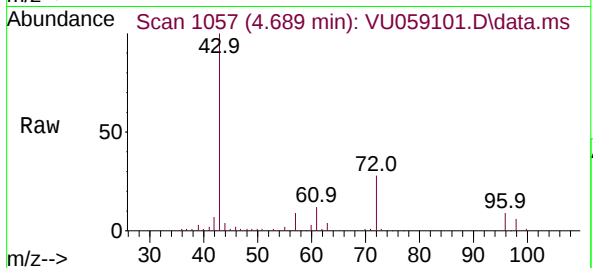




#22
2-Butanone
Concen: 84.349 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

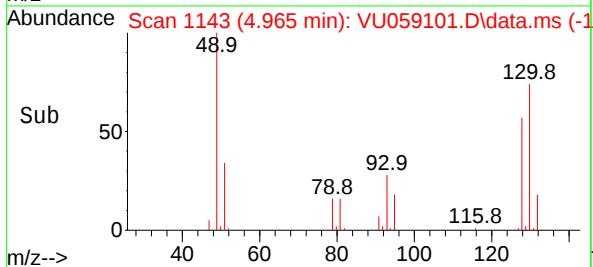
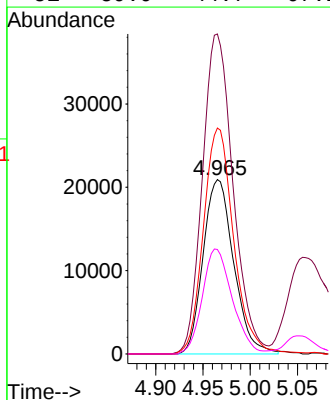
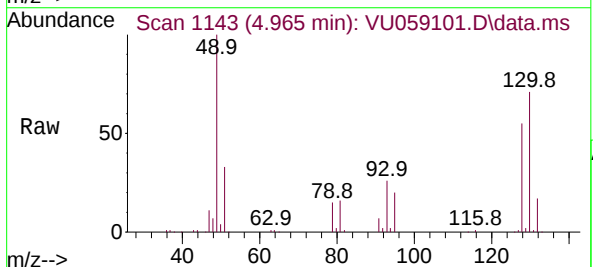
Instrument :
MSVOA_U
ClientSampleId :

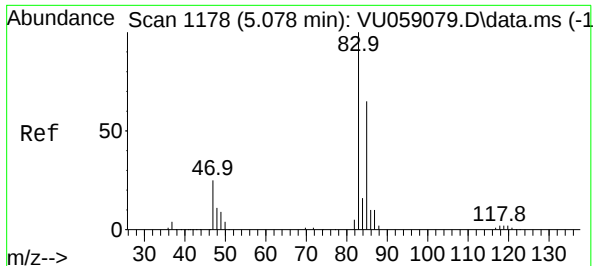
Tgt Ion: 43 Resp: 151639
Ion Ratio Lower Upper
43 100
72 28.6 14.2 42.8



#23
Bromochloromethane
Concen: 47.784 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:128 Resp: 47087
Ion Ratio Lower Upper
128 100
49 183.4 128.4 238.4
130 129.5 86.9 161.3
51 59.9 44.7 67.1





#25

Chloroform

Concen: 48.413 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

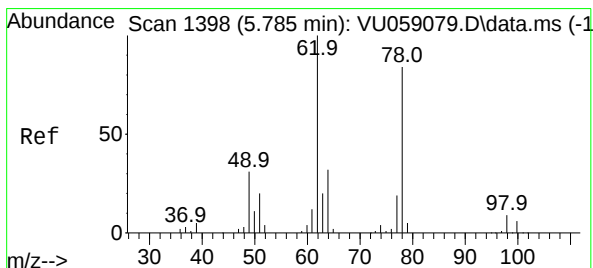
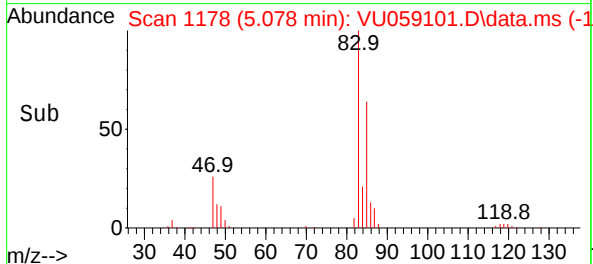
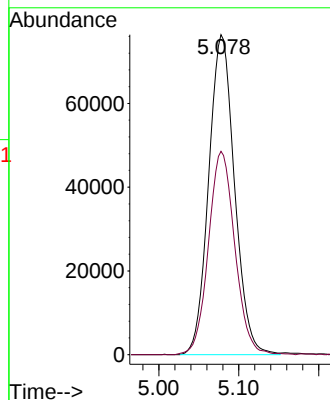
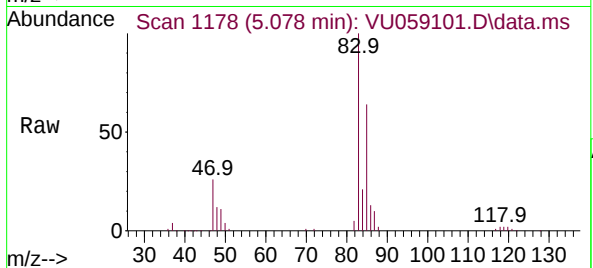
ClientSampleId :

Tgt Ion: 83 Resp: 171543

Ion Ratio Lower Upper

83 100

85 63.6 46.1 85.7



#27

1,2-Dichloroethane

Concen: 46.460 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU059101.D

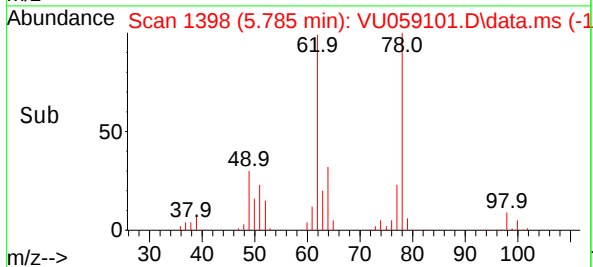
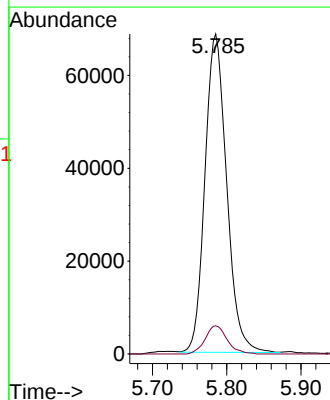
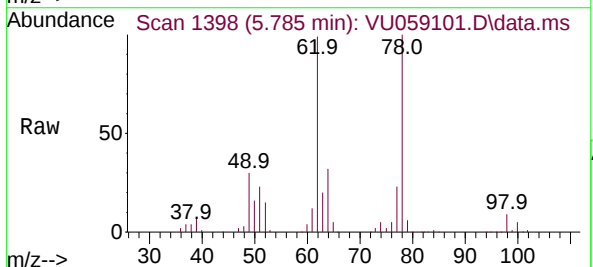
Acq: 30 May 2024 17:53

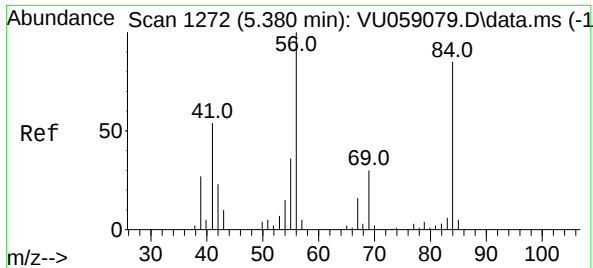
Tgt Ion: 62 Resp: 139070

Ion Ratio Lower Upper

62 100

98 8.8 6.9 10.3

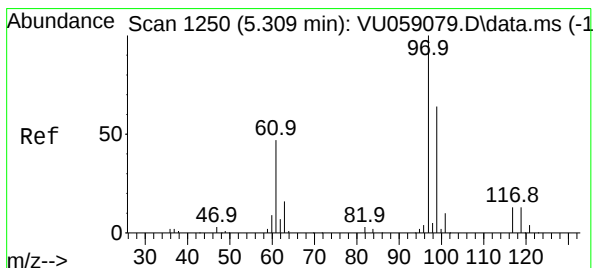
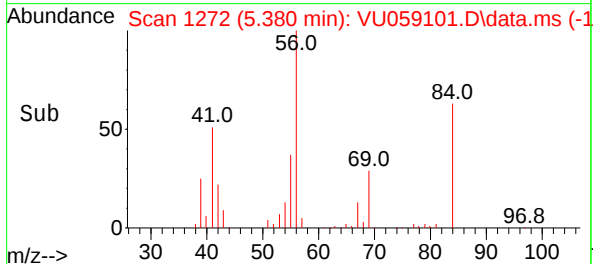
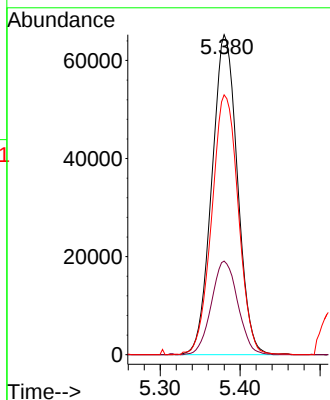
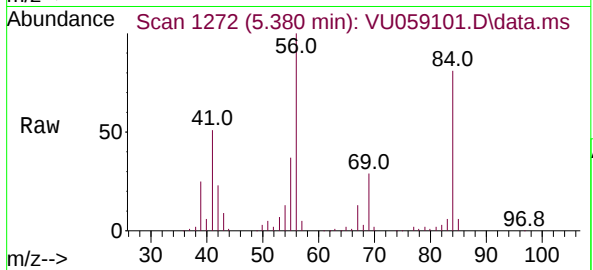




#29
Cyclohexane
Concen: 48.790 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

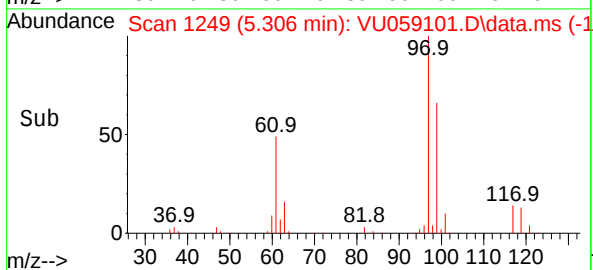
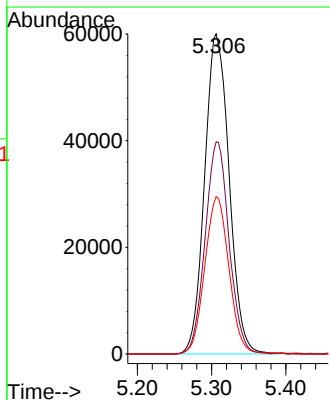
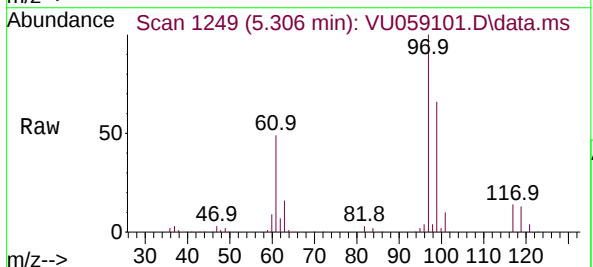
Instrument :
MSVOA_U
ClientSampleId :

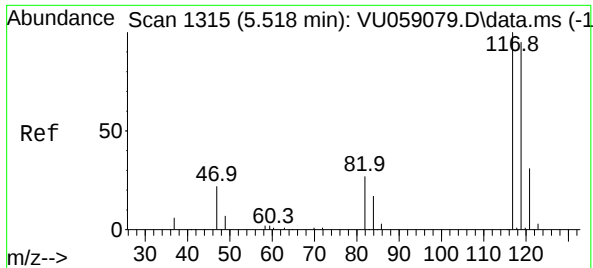
Tgt Ion: 56 Resp: 144842
Ion Ratio Lower Upper
56 100
69 30.1 24.6 37.0
84 83.7 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 47.720 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion: 97 Resp: 137968
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 48.3 39.1 58.7

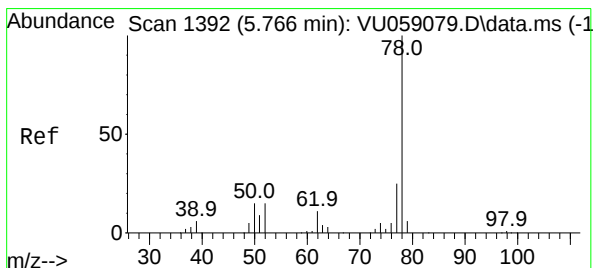
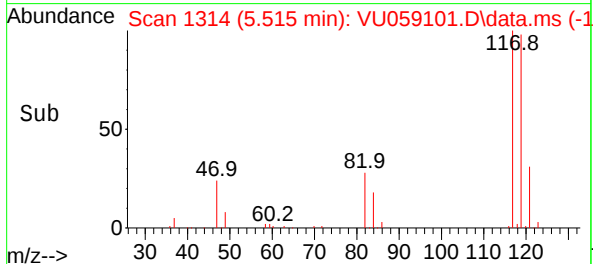
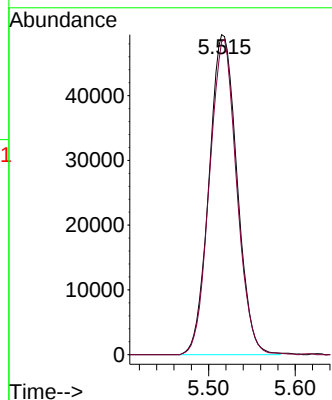
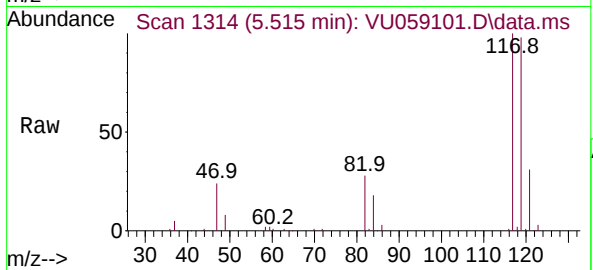




#31
Carbon tetrachloride
Concen: 47.217 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

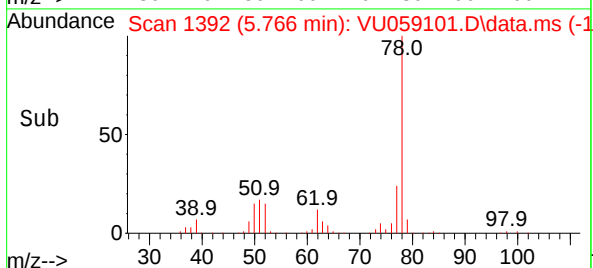
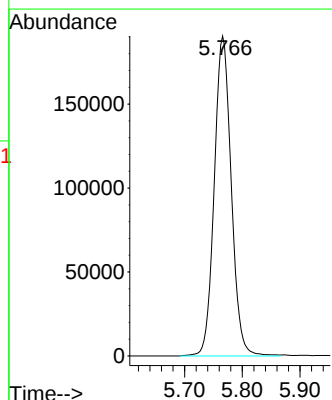
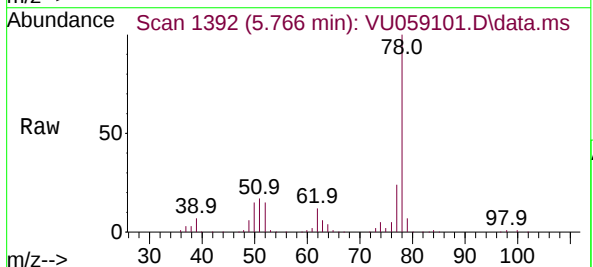
Instrument :
MSVOA_U
ClientSampleId :

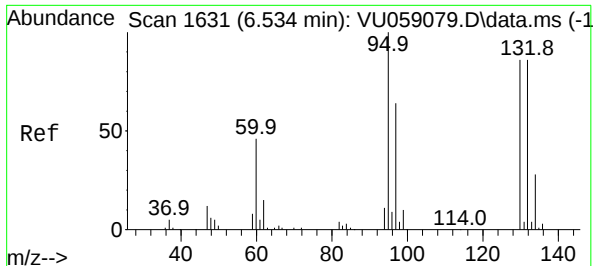
Tgt Ion:117 Resp: 110885
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3



#33
Benzene
Concen: 48.460 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion: 78 Resp: 389114





#34

Trichloroethene

Concen: 50.118 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 98536

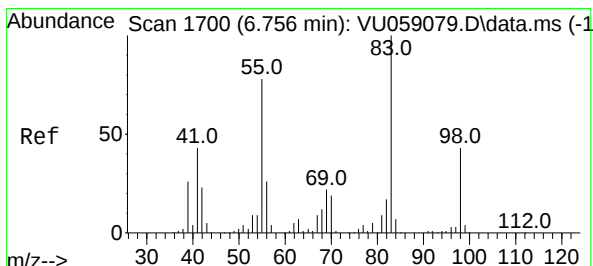
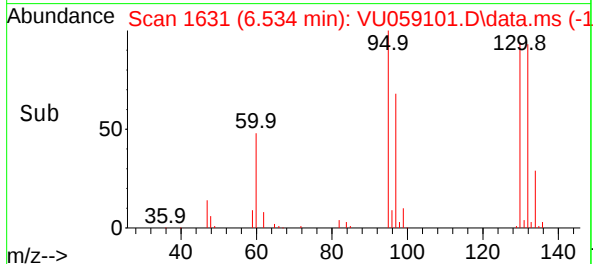
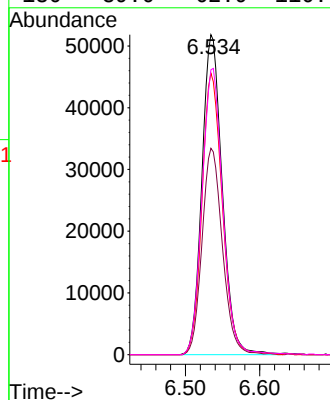
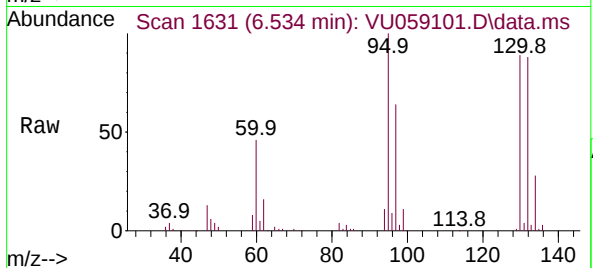
Ion Ratio Lower Upper

95 100

97 64.5 45.2 84.0

132 87.9 60.6 112.6

130 89.0 62.9 116.7



#35

Methylcyclohexane

Concen: 49.082 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

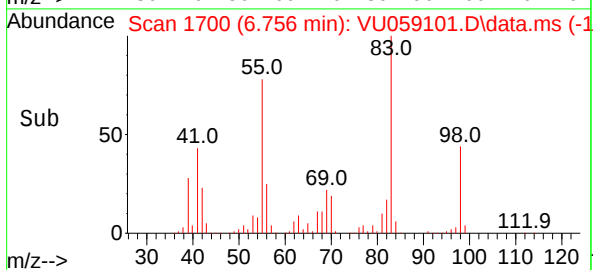
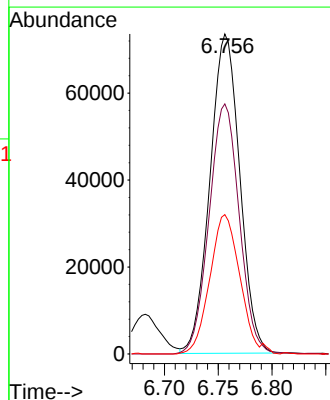
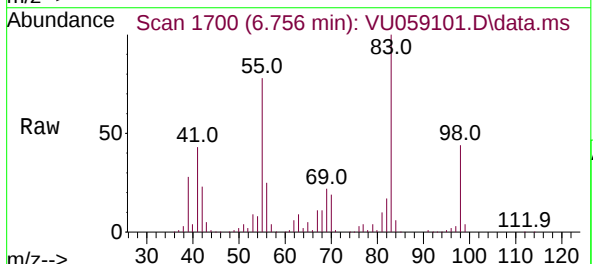
Tgt Ion: 83 Resp: 141886

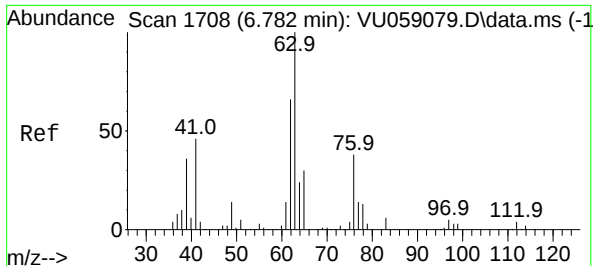
Ion Ratio Lower Upper

83 100

55 79.4 63.9 95.9

98 43.4 34.7 52.1

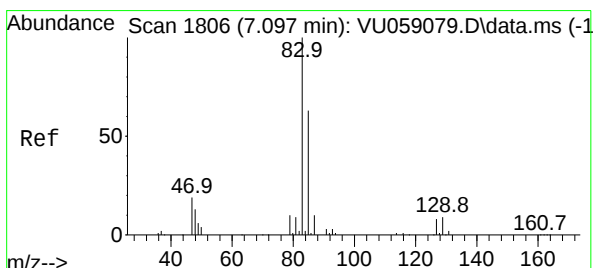
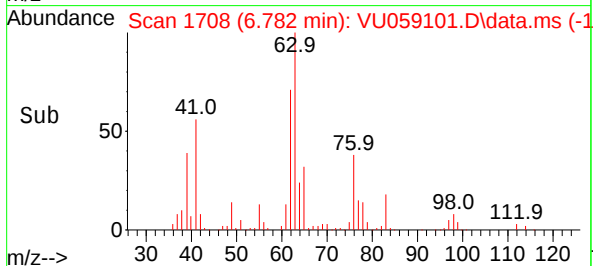
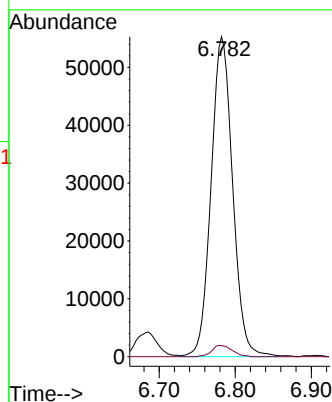
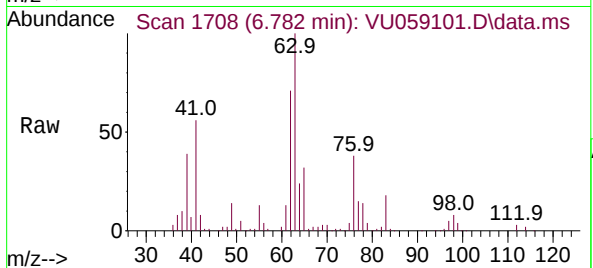




#37
1,2-Dichloropropane
Concen: 47.794 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

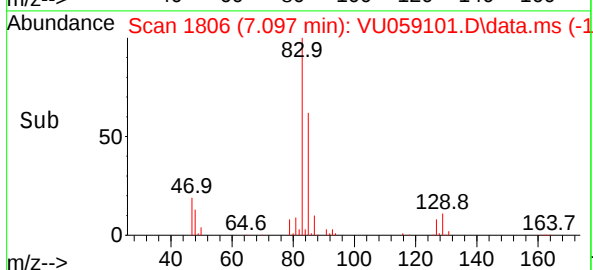
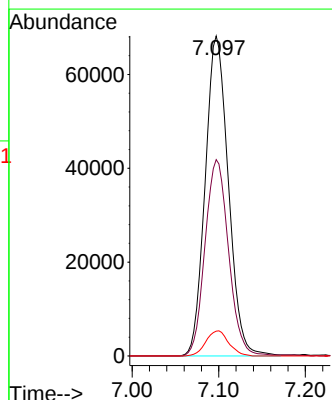
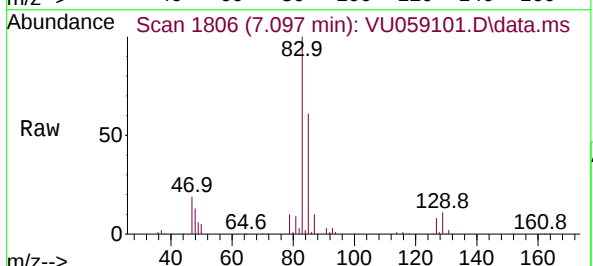
Instrument :
MSVOA_U
ClientSampleId :

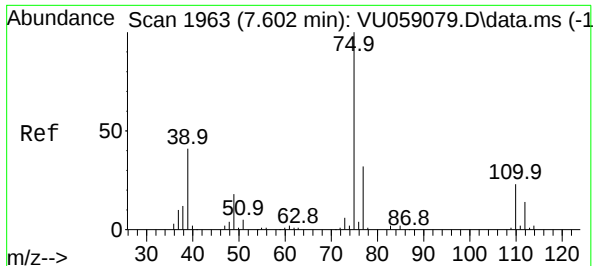
Tgt Ion: 63 Resp: 108974
Ion Ratio Lower Upper
63 100
112 3.4 2.6 4.0



#38
Bromodichloromethane
Concen: 47.736 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion: 83 Resp: 126781
Ion Ratio Lower Upper
83 100
85 61.3 44.0 81.6
127 8.7 7.0 10.6

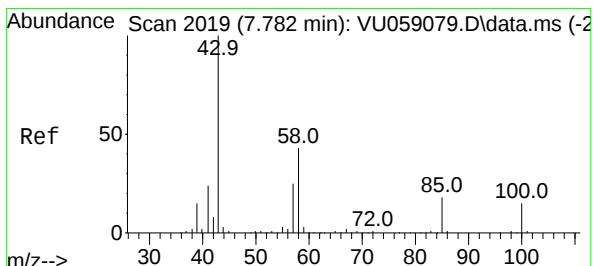
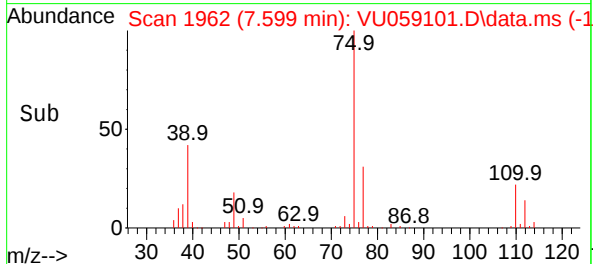
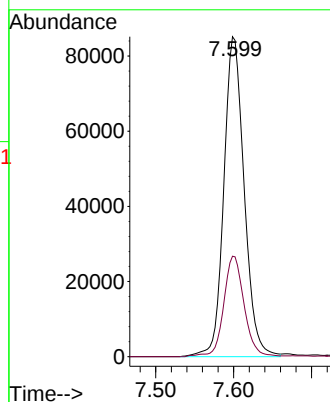
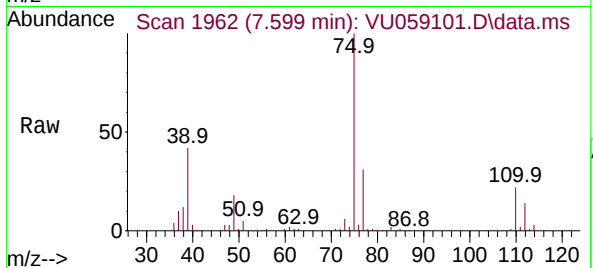




#39
cis-1,3-Dichloropropene
Concen: 49.061 ug/L
RT: 7.599 min Scan# 1962
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

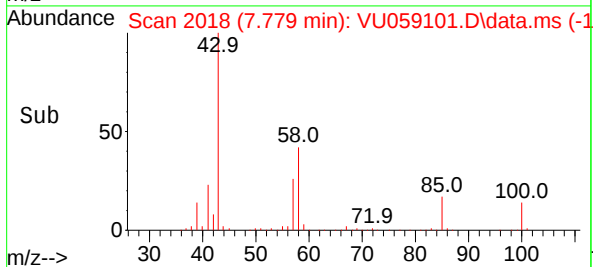
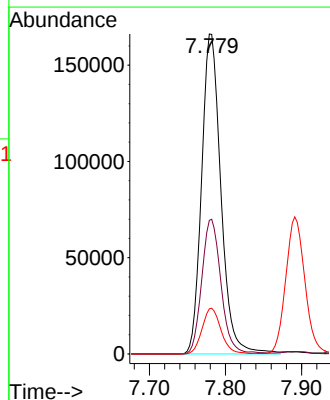
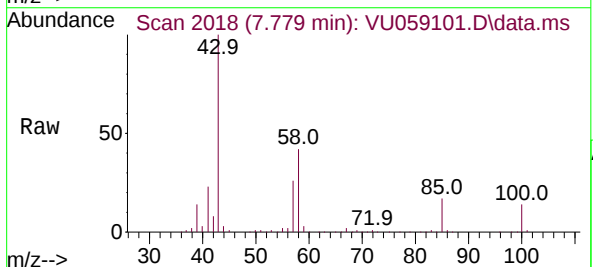
Instrument :
MSVOA_U
ClientSampleId :

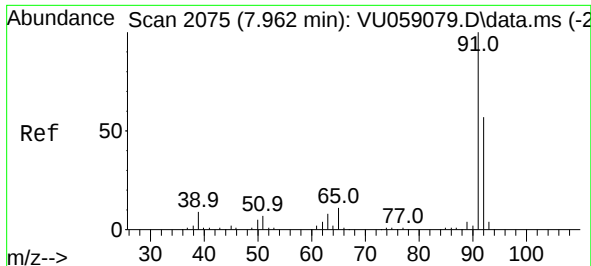
Tgt Ion: 75 Resp: 154772
Ion Ratio Lower Upper
75 100
77 31.4 21.2 39.4



#40
4-Methyl-2-pentanone
Concen: 98.194 ug/L
RT: 7.779 min Scan# 2018
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion: 43 Resp: 293518
Ion Ratio Lower Upper
43 100
58 41.5 33.7 50.5
100 14.0 11.4 17.0





#42

Toluene

Concen: 50.109 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

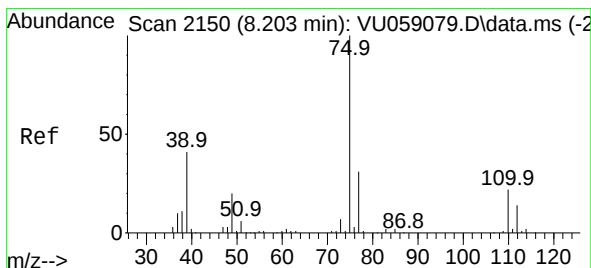
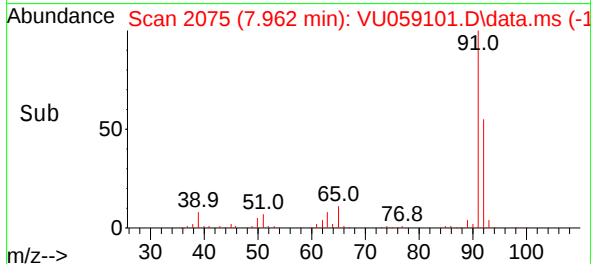
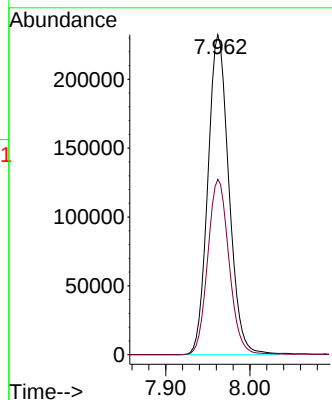
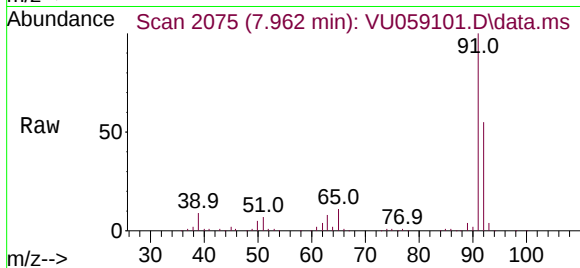
ClientSampleId :

Tgt Ion: 91 Resp: 403875

Ion Ratio Lower Upper

91 100

92 54.8 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 50.756 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059101.D

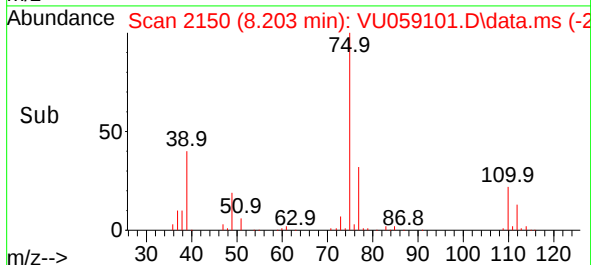
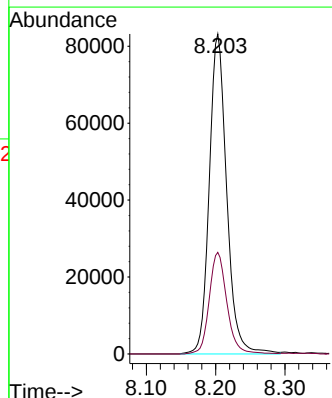
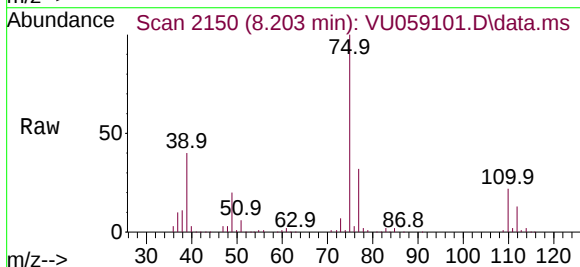
Acq: 30 May 2024 17:53

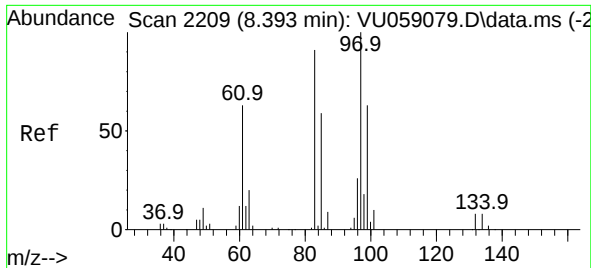
Tgt Ion: 75 Resp: 144957

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8

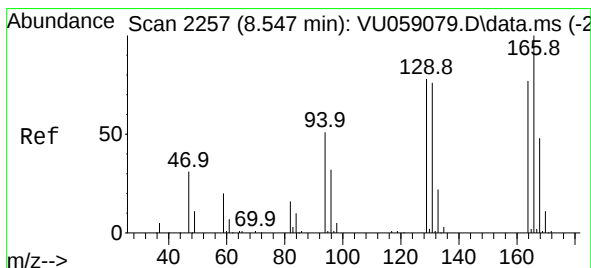
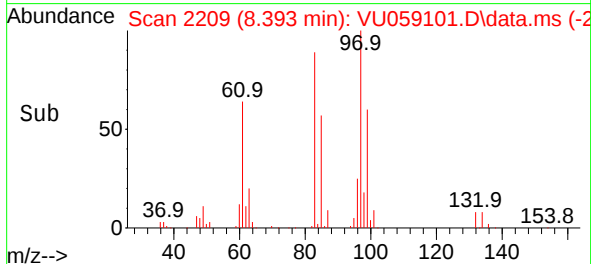
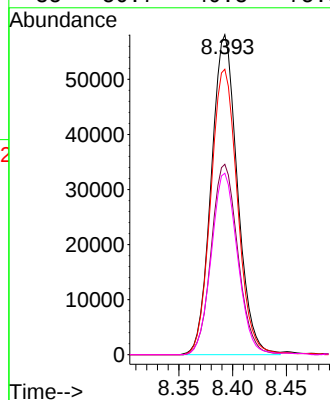
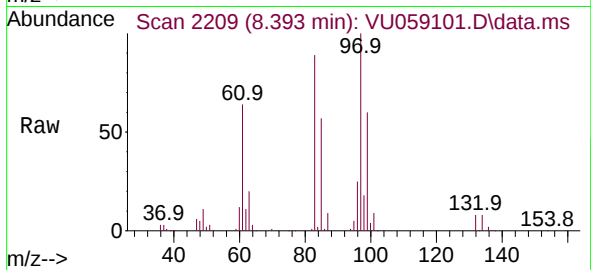




#45
1,1,2-Trichloroethane
Concen: 47.991 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

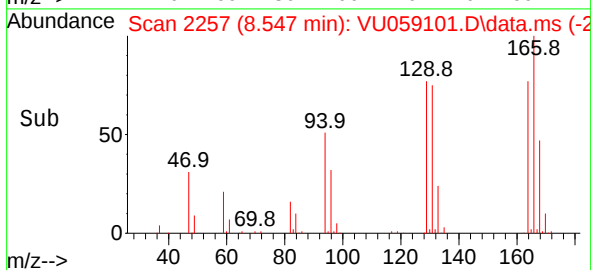
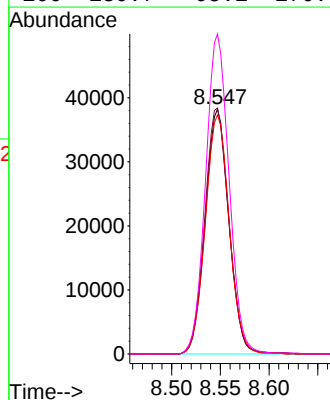
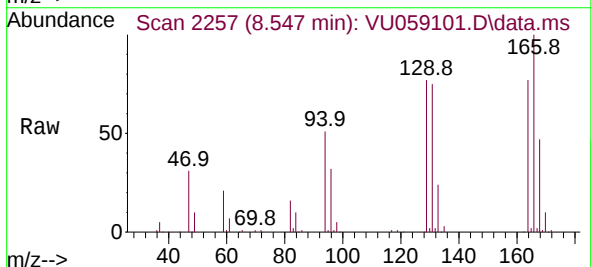
Instrument :
MSVOA_U
ClientSampleId :

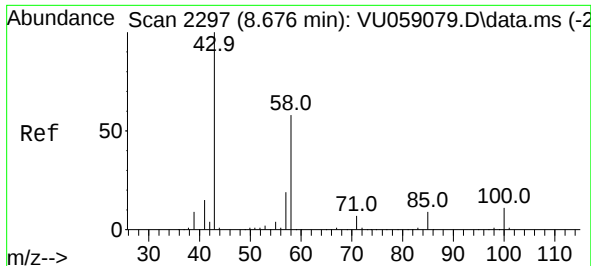
Tgt Ion:	97	Resp:	98382
Ion	Ratio	Lower	Upper
97	100		
99	59.5	44.0	81.6
83	89.2	63.6	118.2
85	56.7	40.8	75.8



#46
Tetrachloroethene
Concen: 49.368 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:	164	Resp:	64652
Ion	Ratio	Lower	Upper
164	100		
129	100.5	74.5	138.5
131	97.6	70.6	131.0
166	130.7	95.1	176.7





#48

2-Hexanone

Concen: 89.840 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. 0.000 min

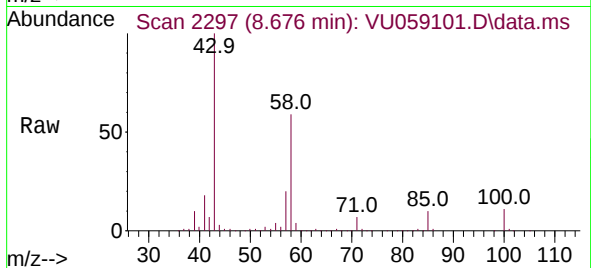
Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 226490

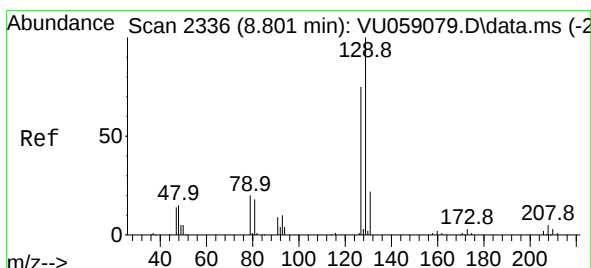
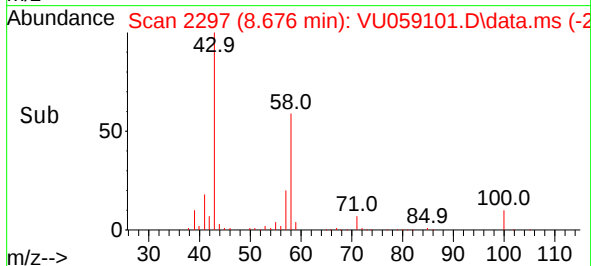
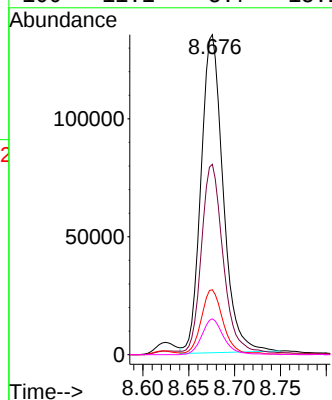
Ion Ratio Lower Upper

43 100

58 59.5 45.9 68.9

57 19.1 16.3 24.5

100 11.1 8.7 13.1



#49

Dibromochloromethane

Concen: 49.144 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU059101.D

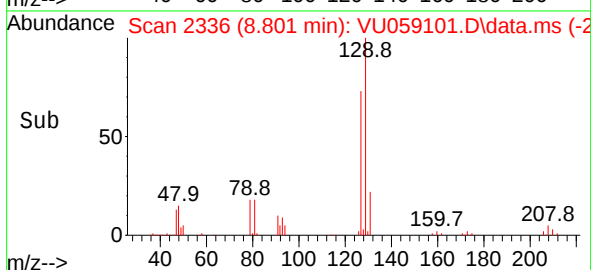
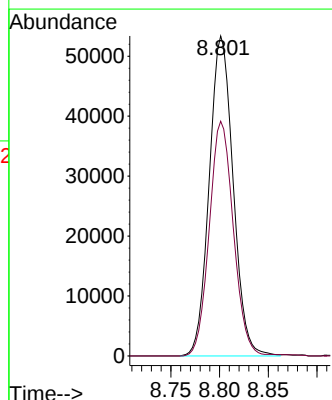
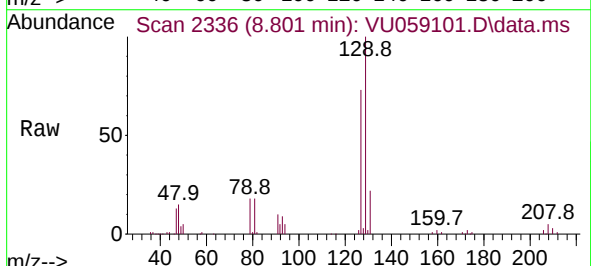
Acq: 30 May 2024 17:53

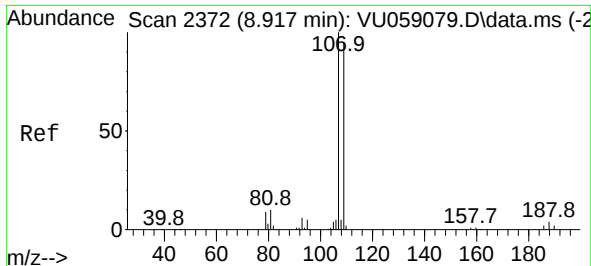
Tgt Ion: 129 Resp: 91047

Ion Ratio Lower Upper

129 100

127 73.4 53.3 98.9

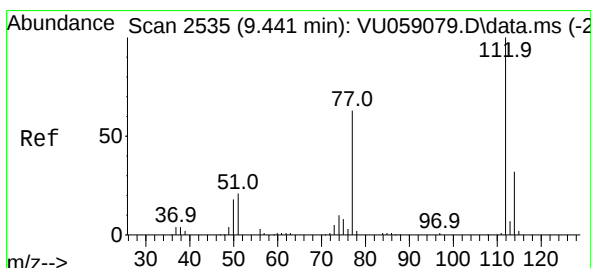
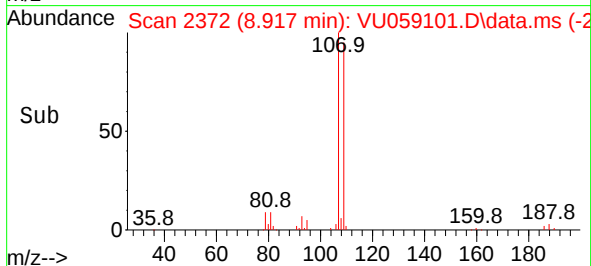
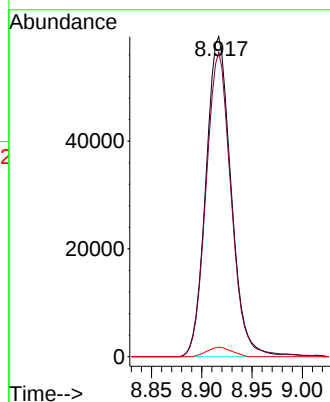
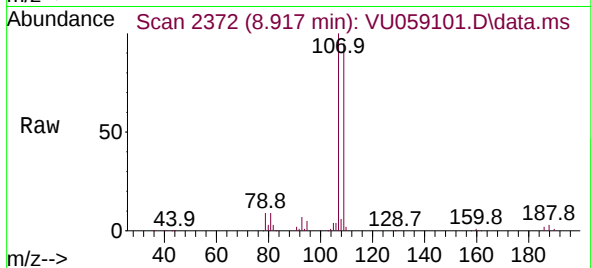




#50
1,2-Dibromoethane
Concen: 48.692 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

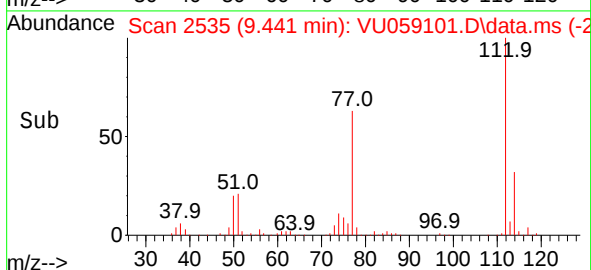
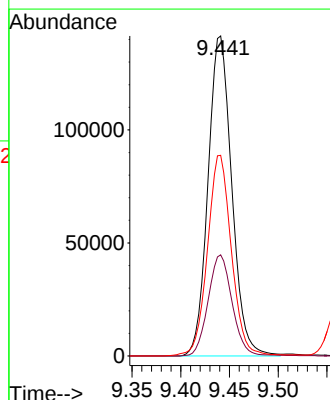
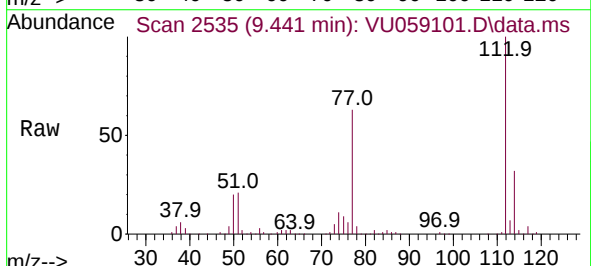
Instrument :
MSVOA_U
ClientSampleId :

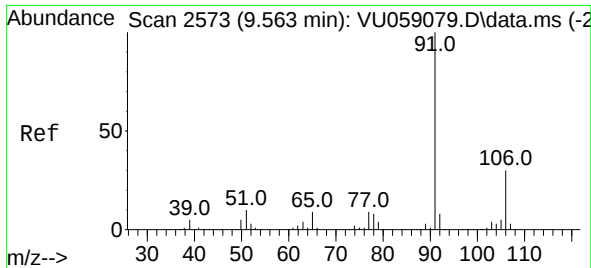
Tgt Ion:107 Resp: 102967
Ion Ratio Lower Upper
107 100
109 95.2 67.8 125.8
188 2.9 2.5 3.7



#51
Chlorobenzene
Concen: 49.419 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:112 Resp: 240400
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 62.7 49.8 74.6

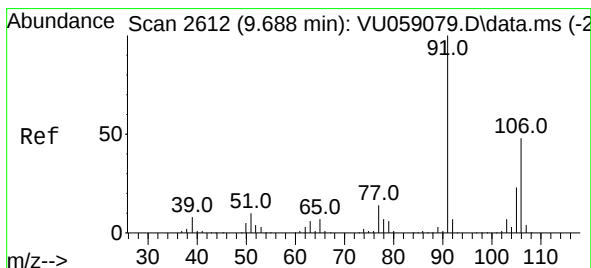
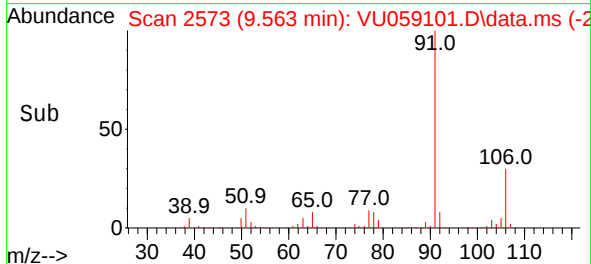
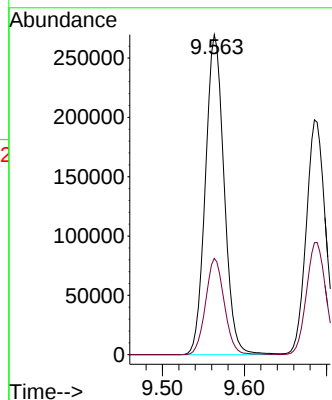
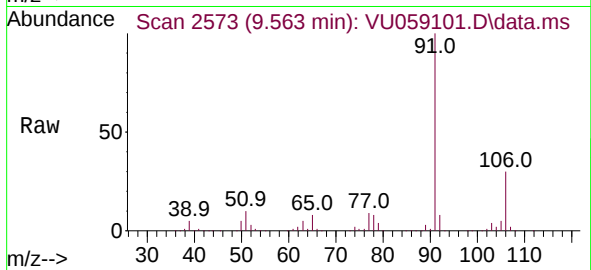




#52
Ethylbenzene
Concen: 51.373 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

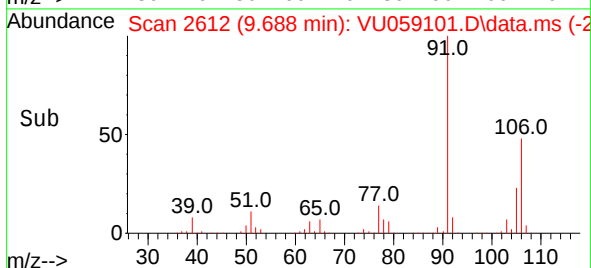
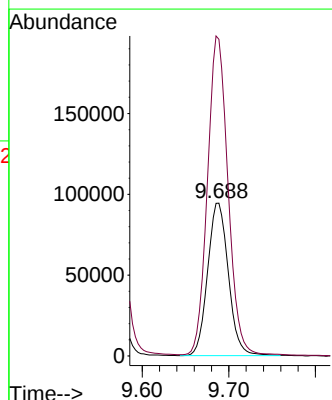
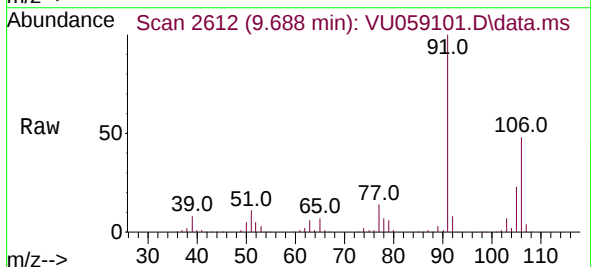
Instrument :
MSVOA_U
ClientSampleId :

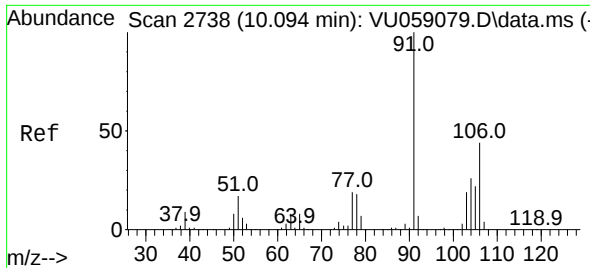
Tgt Ion: 91 Resp: 426869
Ion Ratio Lower Upper
91 100
106 30.1 21.0 39.0



#53
m,p-Xylene
Concen: 51.496 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:106 Resp: 157261
Ion Ratio Lower Upper
106 100
91 207.2 146.4 272.0

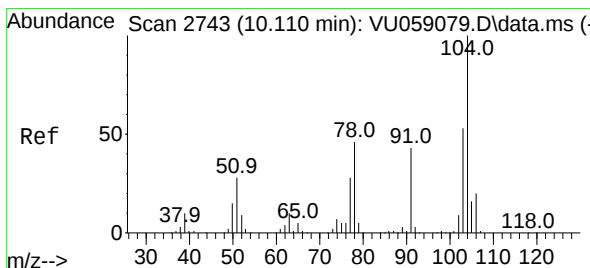
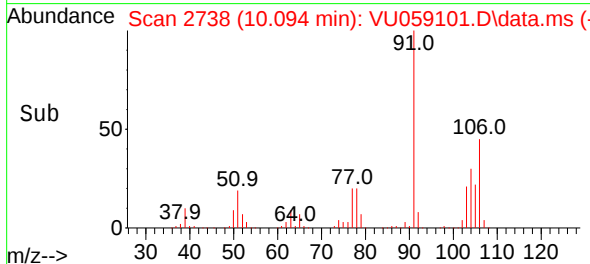
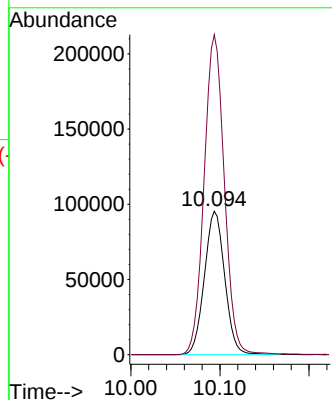
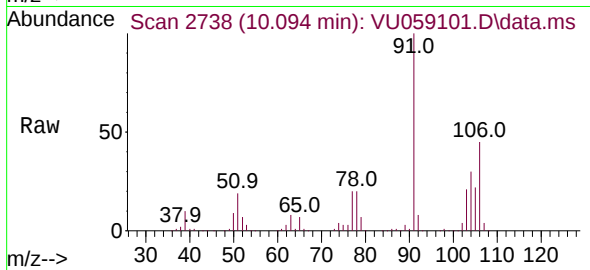




#54
o-Xylene
Concen: 51.055 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

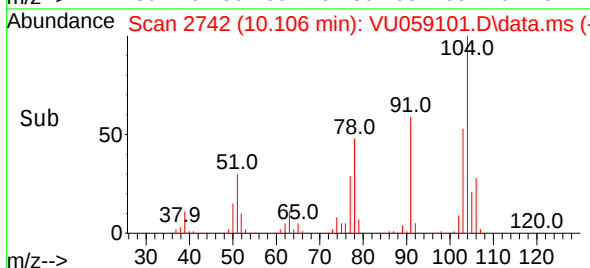
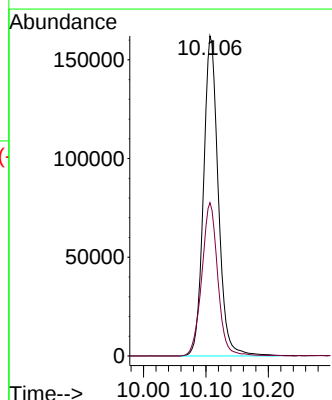
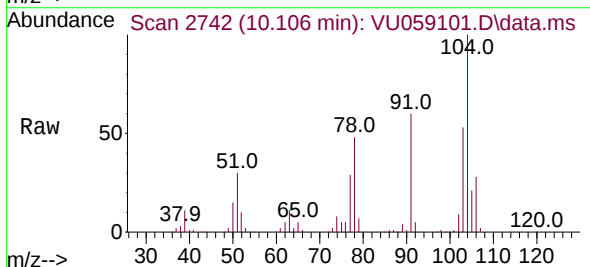
Instrument :
MSVOA_U
ClientSampleId :

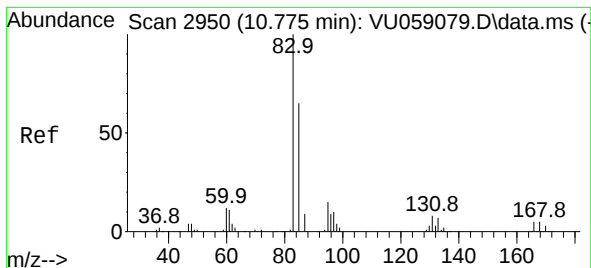
Tgt Ion:106 Resp: 151102
Ion Ratio Lower Upper
106 100
91 222.9 156.7 290.9



#55
Styrene
Concen: 53.278 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:104 Resp: 268024
Ion Ratio Lower Upper
104 100
78 47.9 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 45.321 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :

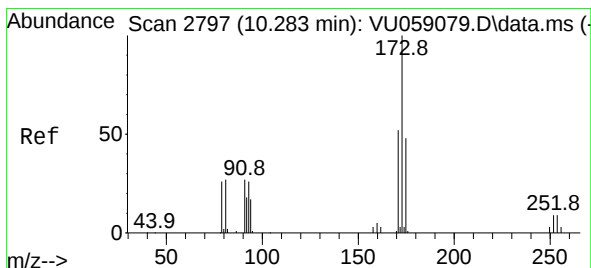
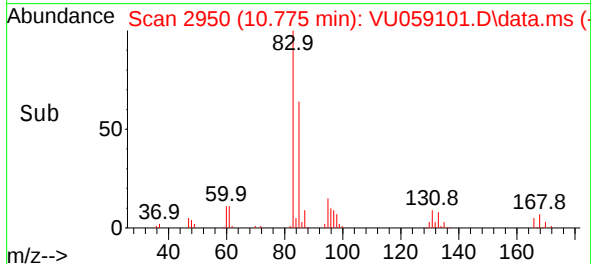
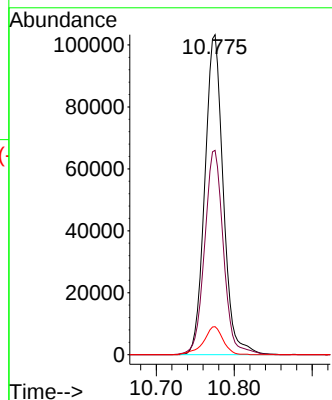
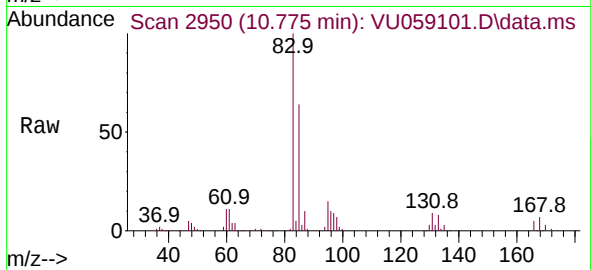
Tgt Ion: 83 Resp: 169248

Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.7

131 8.7 7.0 10.4



#59

Bromoform

Concen: 47.094 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

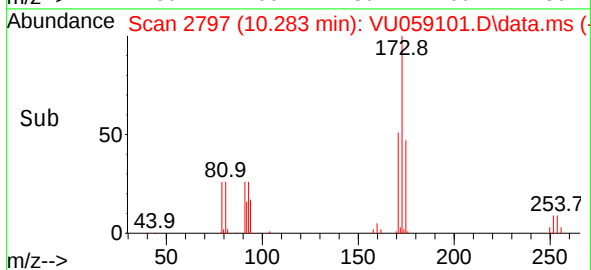
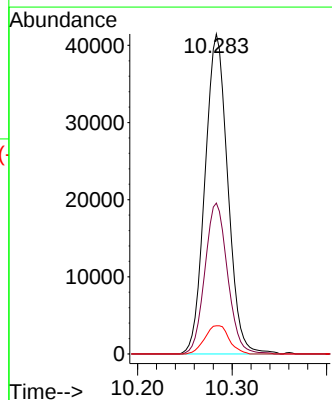
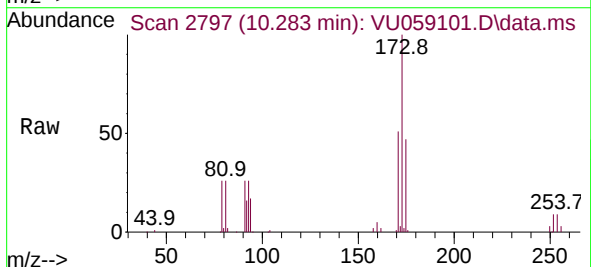
Tgt Ion:173 Resp: 69420

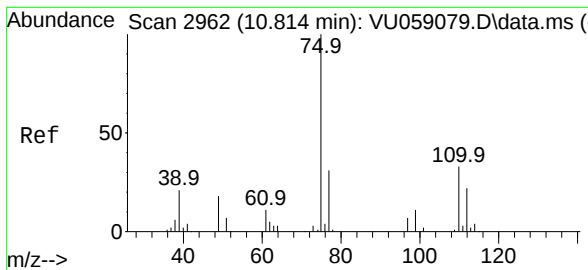
Ion Ratio Lower Upper

173 100

175 47.0 39.0 58.6

254 9.4 7.5 11.3

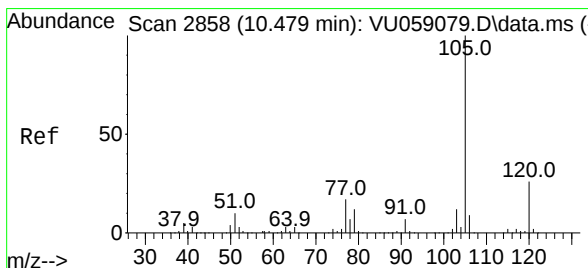
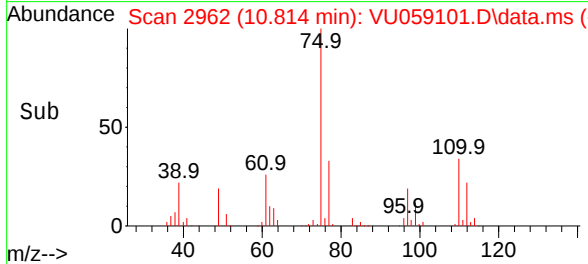
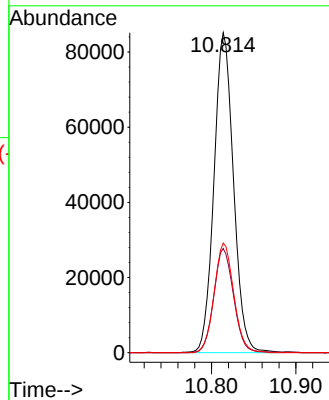
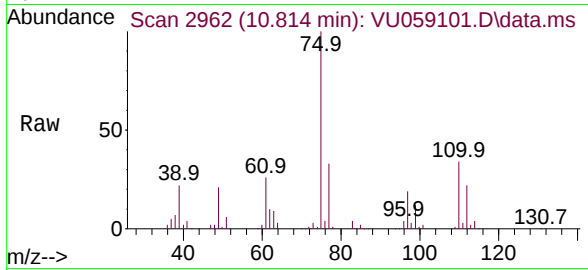




#60
1,2,3-Trichloropropane
Concen: 43.797 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

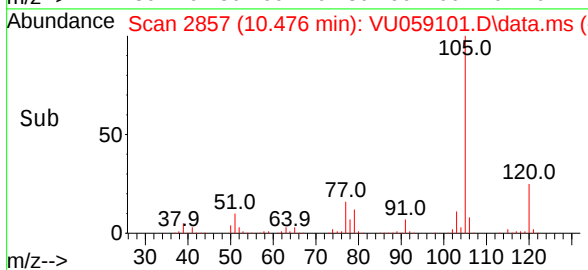
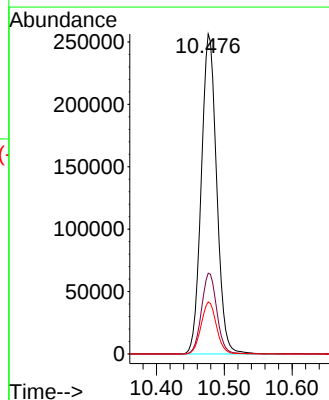
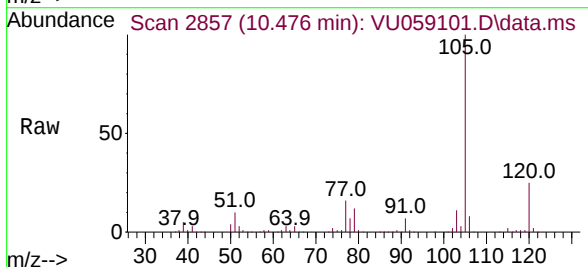
Instrument :
MSVOA_U
ClientSampleId :

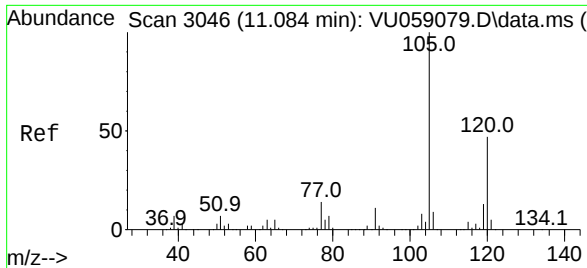
Tgt Ion: 75 Resp: 136928
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.2
110 34.3 28.4 42.6



#61
Isopropylbenzene
Concen: 50.969 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:105 Resp: 403137
Ion Ratio Lower Upper
105 100
120 25.2 20.3 30.5
77 16.3 13.4 20.0

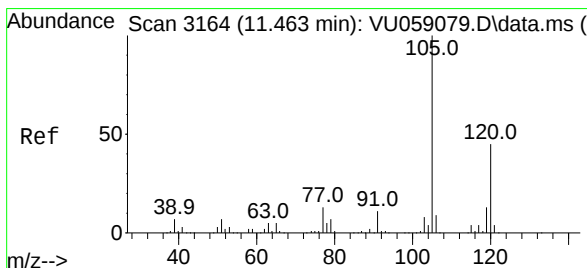
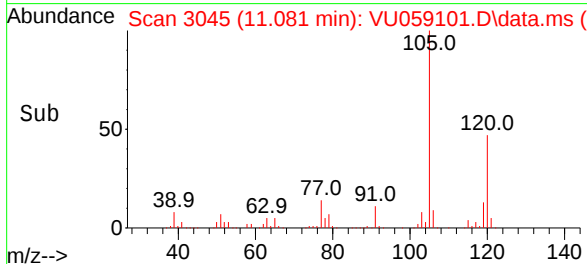
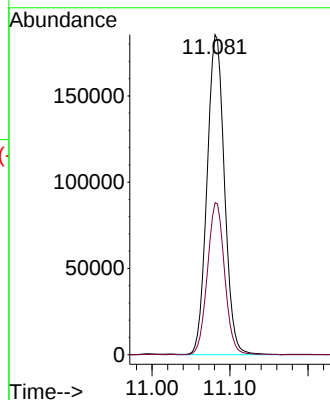
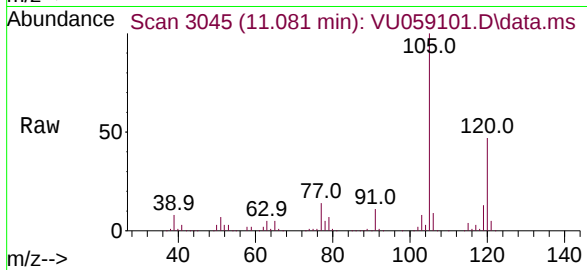




#62
1,3,5-Trimethylbenzene
Concen: 50.195 ug/L
RT: 11.081 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

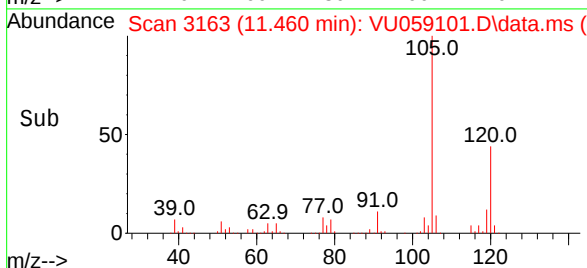
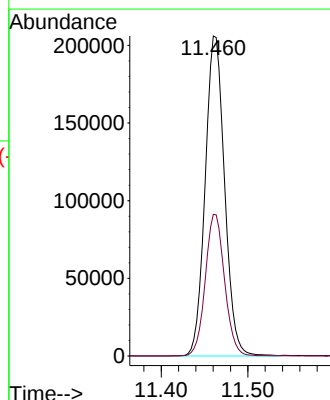
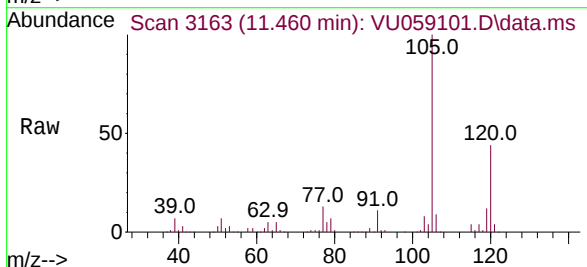
Instrument :
MSVOA_U
ClientSampleId :

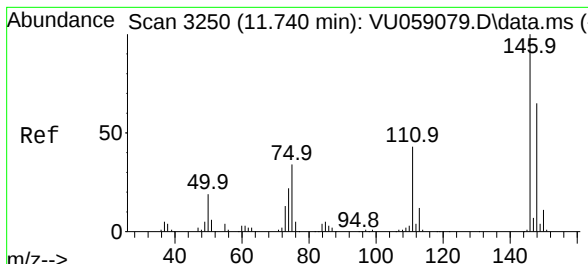
Tgt Ion:105 Resp: 287652
Ion Ratio Lower Upper
105 100
120 47.1 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 51.735 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VU059101.D
Acq: 30 May 2024 17:53

Tgt Ion:105 Resp: 321394
Ion Ratio Lower Upper
105 100
120 43.5 35.0 52.6



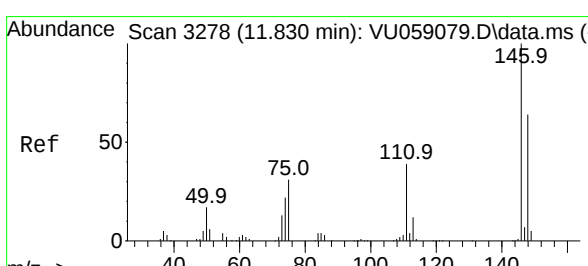
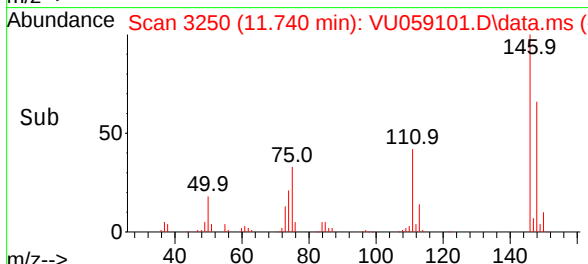
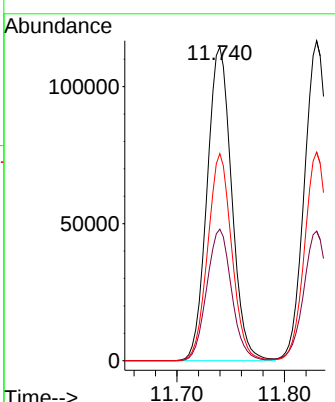
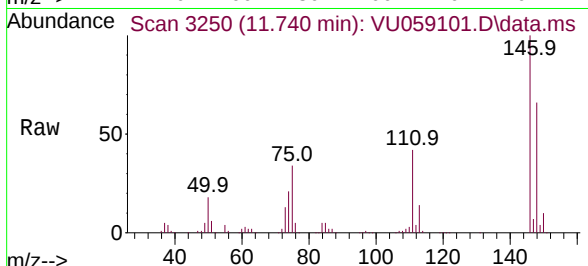


#64
 1,3-Dichlorobenzene
 Concen: 49.119 ug/L
 RT: 11.740 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU059101.D
 Acq: 30 May 2024 17:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:146 Resp: 181579

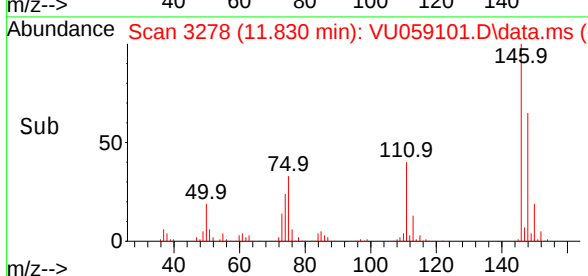
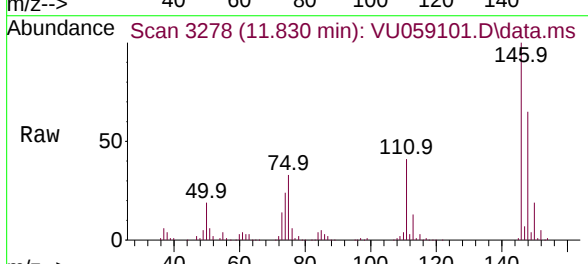
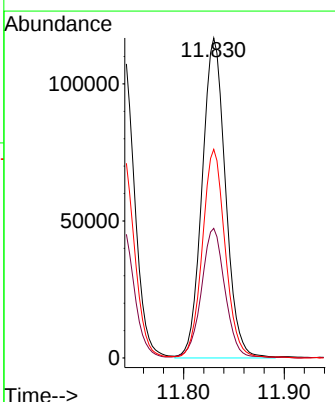
Ion	Ratio	Lower	Upper
146	100		
111	41.9	28.7	53.3
148	66.0	44.9	83.5

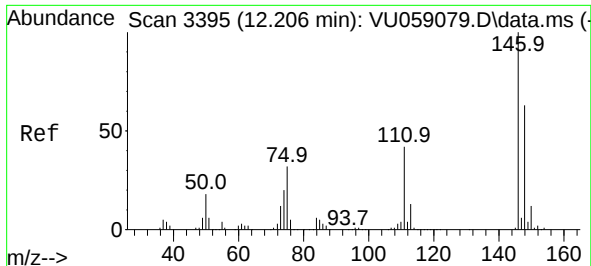


#65
 1,4-Dichlorobenzene
 Concen: 49.367 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.000 min
 Lab File: VU059101.D
 Acq: 30 May 2024 17:53

Tgt Ion:146 Resp: 188472

Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.9	51.9
148	65.2	45.7	84.9





#67

1,2-Dichlorobenzene

Concen: 46.780 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :

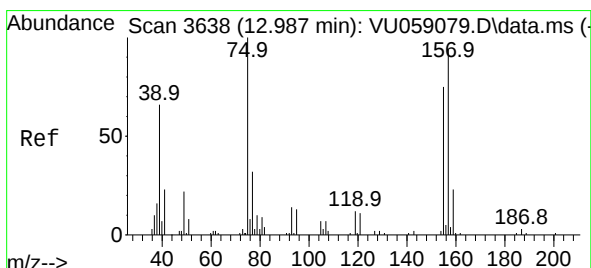
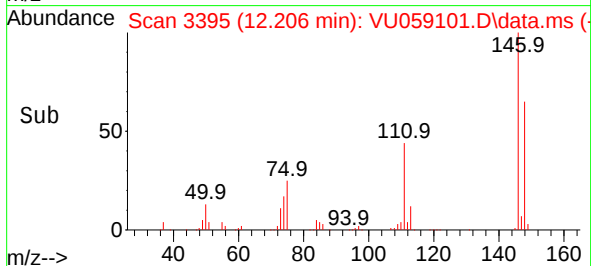
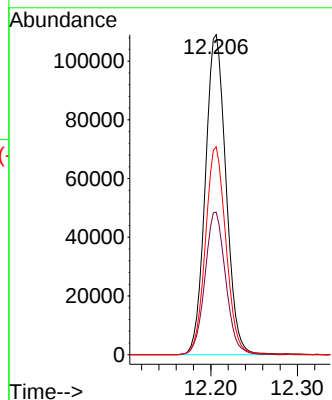
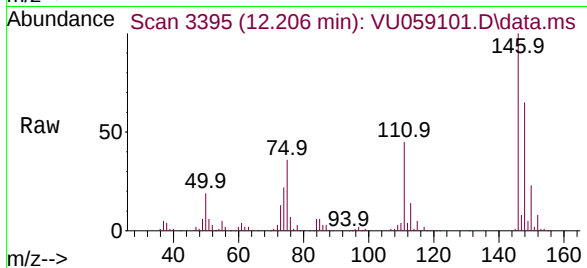
Tgt Ion:146 Resp: 180745

Ion Ratio Lower Upper

146 100

111 44.5 33.4 50.2

148 65.0 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 46.262 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

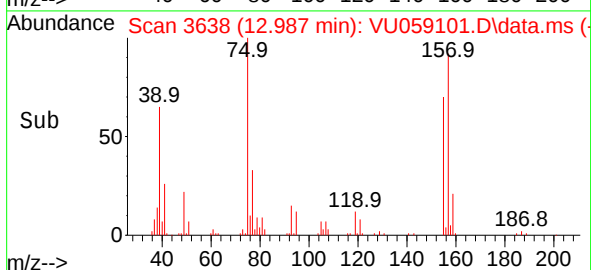
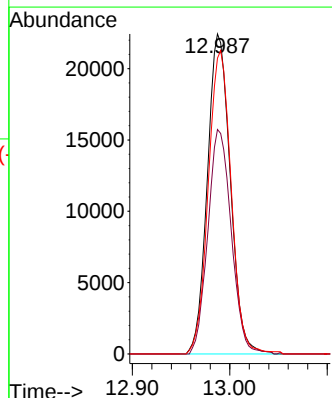
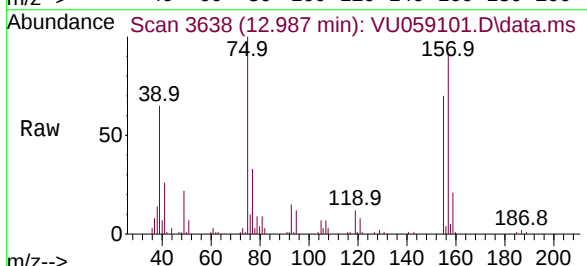
Tgt Ion: 75 Resp: 36667

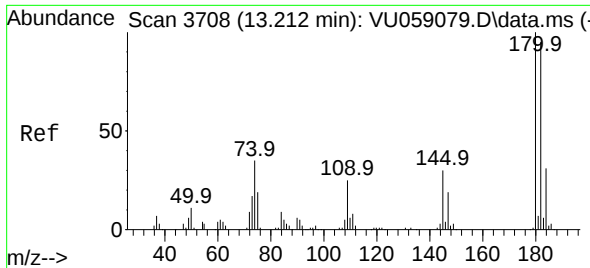
Ion Ratio Lower Upper

75 100

155 70.2 57.5 86.3

157 97.0 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 49.182 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

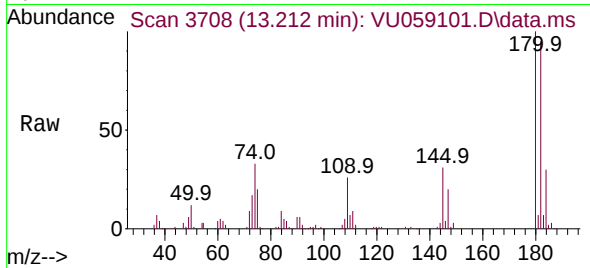
Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 120072

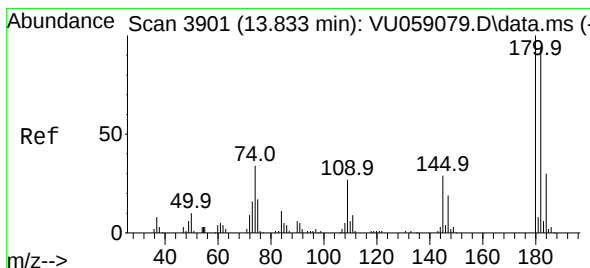
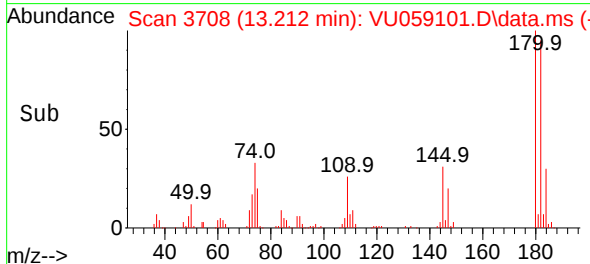
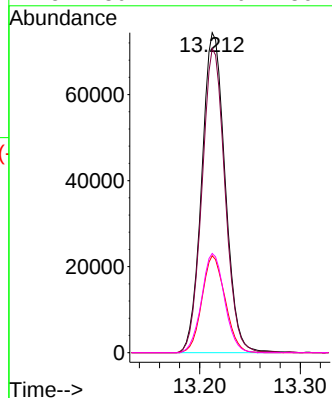
Ion Ratio Lower Upper

180 100

182 93.3 75.6 113.4

184 29.9 24.2 36.2

145 30.4 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 53.778 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

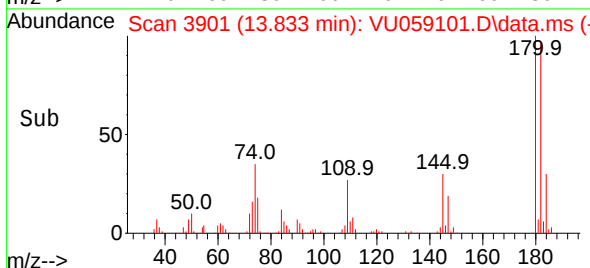
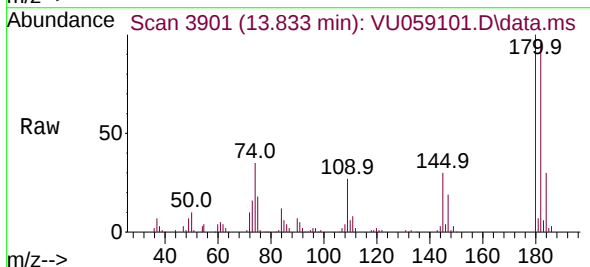
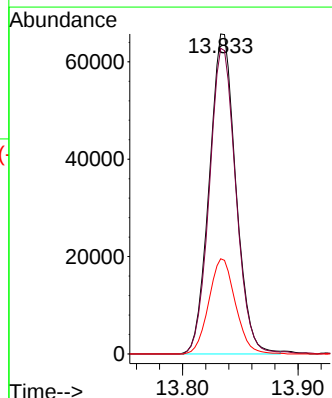
Tgt Ion:180 Resp: 104863

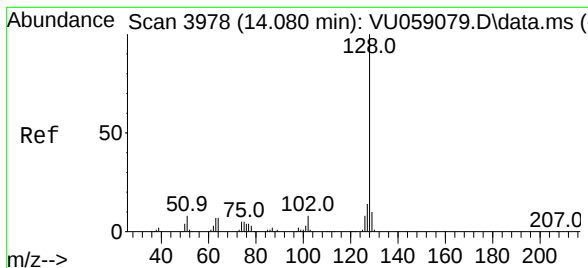
Ion Ratio Lower Upper

180 100

182 95.4 77.4 116.2

145 29.8 24.8 37.2





#71

Naphthalene

Concen: 56.414 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Instrument :

MSVOA_U

ClientSampleId :

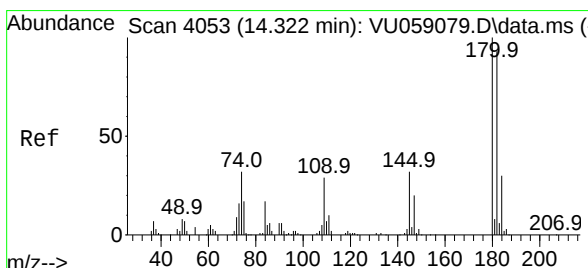
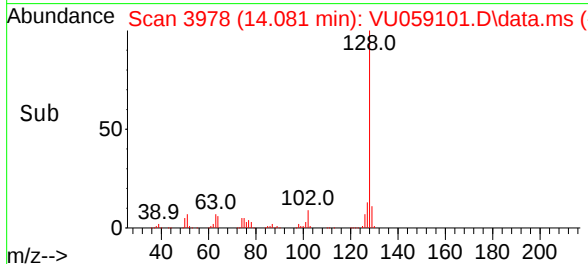
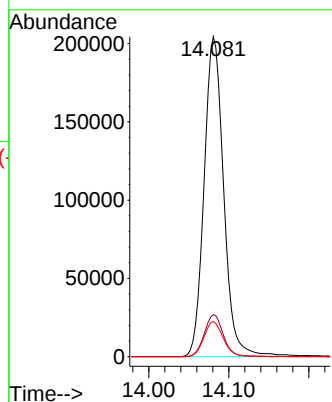
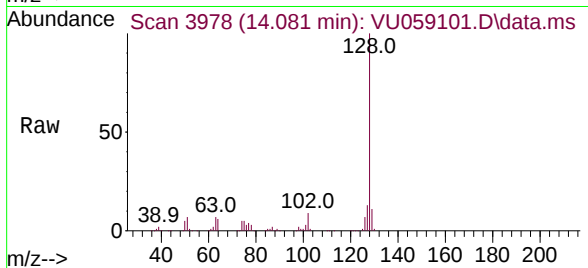
Tgt Ion:128 Resp: 348191

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 55.430 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU059101.D

Acq: 30 May 2024 17:53

Tgt Ion:180 Resp: 109885

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

145 32.7 26.4 39.6

