

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053024\
 Data File : VU059079.D
 Acq On : 30 May 2024 08:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 31 03:13:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:34:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	218130	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	217744	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	106243	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	60553	46.364	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.720%
7) Chloroethane-d5	1.907	69	53205	47.557	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.120%
11) 1,1-Dichloroethene-d2	2.566	63	117646	45.636	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.280%
21) 2-Butanone-d5	4.615	46	109307	88.794	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.790%
24) Chloroform-d	5.055	84	125646	48.326	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.660%
26) 1,2-Dichloroethane-d4	5.695	65	74172	46.545	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.100%
32) Benzene-d6	5.721	84	235724	47.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.340%
36) 1,2-Dichloropropane-d6	6.682	67	79622	46.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.420%
41) Toluene-d8	7.891	98	202787	47.799	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	8.174	79	30542	43.849	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.700%
47) 2-Hexanone-d5	8.627	63	64508	80.955	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.960%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	126473	43.368	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.740%
66) 1,2-Dichlorobenzene-d4	12.187	152	73334	46.253	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	107747	48.751	ug/L	99
3) Chloromethane	1.515	50	118221	46.283	ug/L	100
5) Vinyl chloride	1.602	62	121529	48.419	ug/L	99
6) Bromomethane	1.853	94	74444	37.073	ug/L	95
8) Chloroethane	1.930	64	71983	45.990	ug/L	96
9) Trichlorofluoromethane	2.136	101	140949	48.258	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	80837	47.570	ug/L	97
12) 1,1-Dichloroethene	2.576	96	74356	48.242	ug/L	93
13) Acetone	2.624	43	84759	58.577	ug/L	100
14) Carbon disulfide	2.788	76	249100	47.988	ug/L	100
15) Methyl Acetate	2.943	43	101621	44.337	ug/L	97
16) Methylene chloride	3.036	84	98942	47.443	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	80910	48.636	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	248025	45.898	ug/L	98
19) 1,1-Dichloroethane	3.859	63	166810	46.780	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	89368	47.143	ug/L	95
22) 2-Butanone	4.695	43	129817	74.105	ug/L	100
23) Bromochloromethane	4.965	128	45231	47.104	ug/L	96
25) Chloroform	5.078	83	166425	48.201	ug/L	99

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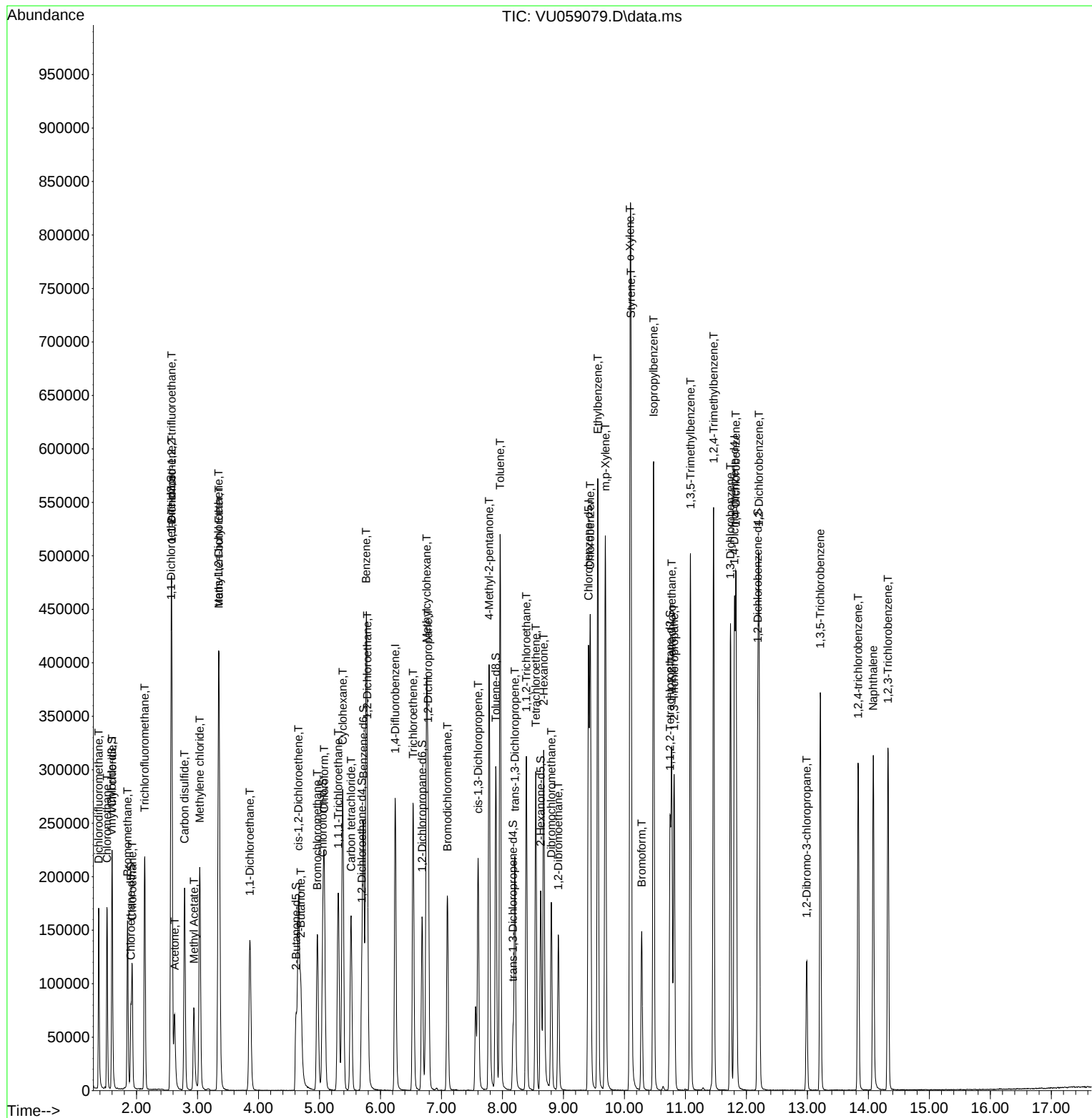
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	131440	45.063	ug/L	99
29) Cyclohexane	5.380	56	133775	46.018	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	133725	47.234	ug/L	100
31) Carbon tetrachloride	5.518	117	108588	47.220	ug/L	99
33) Benzene	5.766	78	372493	47.375	ug/L	100
34) Trichloroethene	6.534	95	95084	49.389	ug/L	98
35) Methylcyclohexane	6.756	83	136497	48.220	ug/L	98
37) 1,2-Dichloropropane	6.782	63	104559	46.832	ug/L	99
38) Bromodichloromethane	7.097	83	122776	47.209	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	132401	42.861	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	257540	87.988	ug/L	100
42) Toluene	7.962	91	383983	48.653	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	124992	44.694	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	94166	46.910	ug/L	100
46) Tetrachloroethene	8.547	164	61994	48.343	ug/L	96
48) 2-Hexanone	8.676	43	199031	80.625	ug/L	99
49) Dibromochloromethane	8.801	129	88425	48.742	ug/L	98
50) 1,2-Dibromoethane	8.917	107	96185	46.451	ug/L	98
51) Chlorobenzene	9.441	112	225644	47.370	ug/L	99
52) Ethylbenzene	9.563	91	395560	48.616	ug/L	99
53) m,p-Xylene	9.688	106	147493	49.323	ug/L	99
54) o-Xylene	10.094	106	141016	48.659	ug/L	99
55) Styrene	10.110	104	251325	51.019	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	159198	43.535	ug/L	99
59) Bromoform	10.283	173	64016	45.955	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	128010	43.327	ug/L	99
61) Isopropylbenzene	10.479	105	375749	50.271	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	265192	48.968	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	293762	50.039	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	171203	49.007	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	174362	48.328	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	172278	47.183	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	31343	41.846	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	111352	48.264	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	91971	49.911	ug/L	97
71) Naphthalene	14.080	128	251293	43.084	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	94853	50.632	ug/L	99

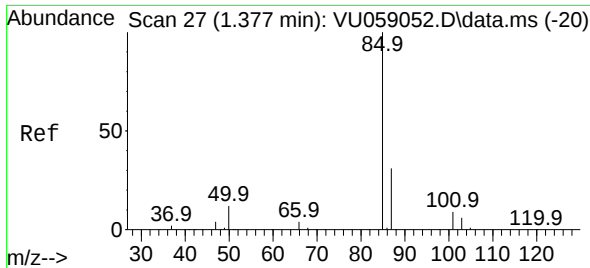
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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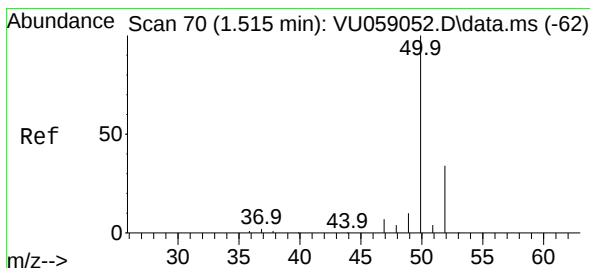
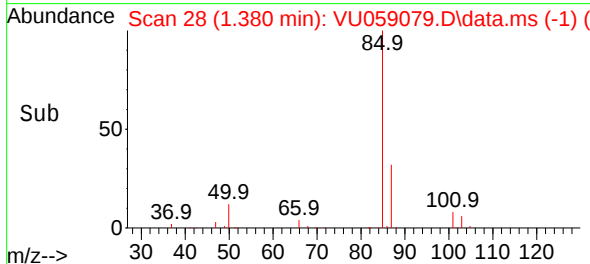
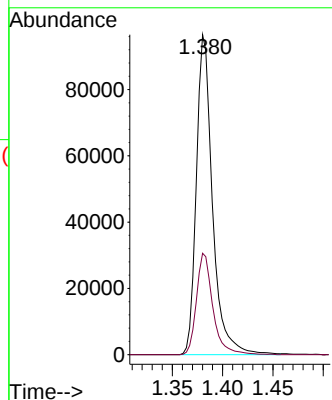
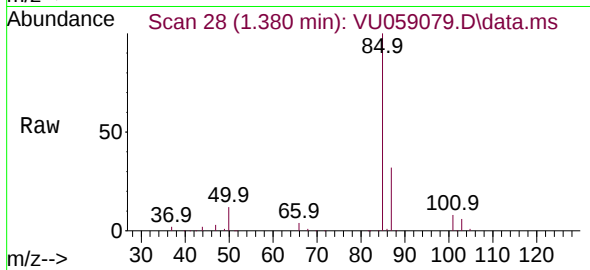




#2
 Dichlorodifluoromethane
 Concen: 48.751 ug/L
 RT: 1.380 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VU059079.D
 Acq: 30 May 2024 08:49

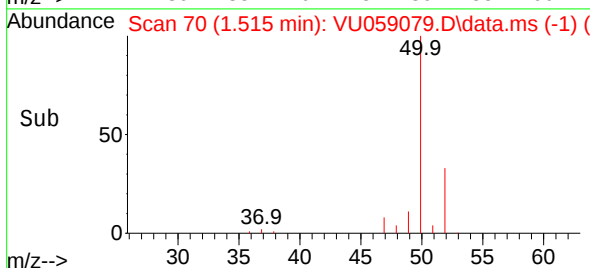
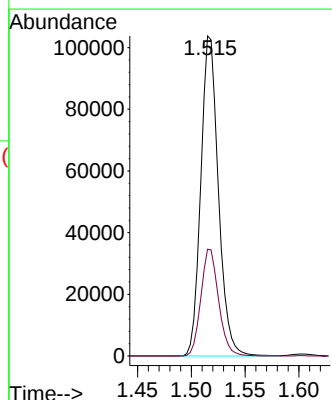
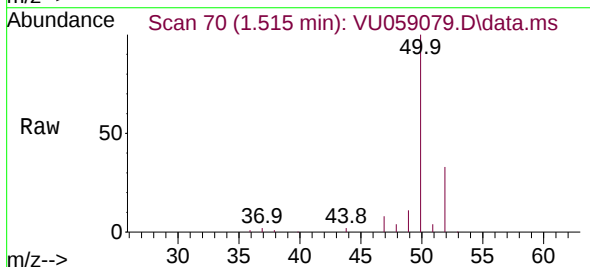
Instrument :
 MSVOA_U
 ClientSampleId :

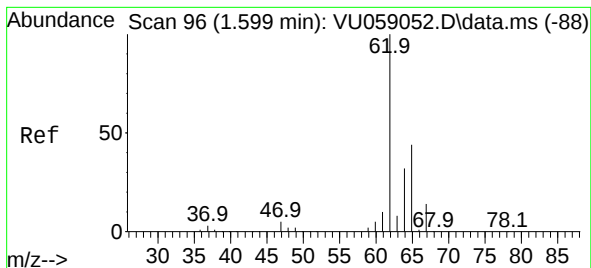
Tgt Ion: 85 Resp: 107747
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.4 38.2



#3
 Chloromethane
 Concen: 46.283 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU059079.D
 Acq: 30 May 2024 08:49

Tgt Ion: 50 Resp: 118221
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.2 43.2





#5

Vinyl chloride

Concen: 48.419 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

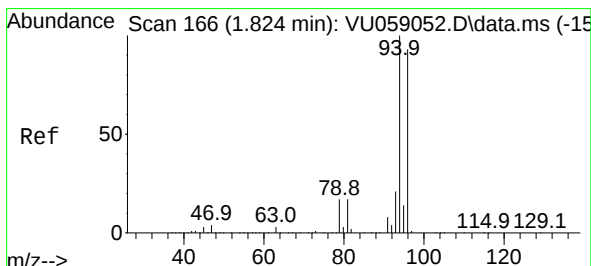
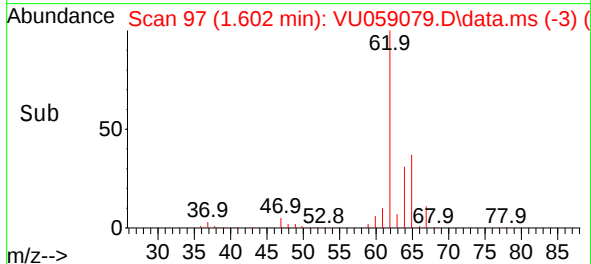
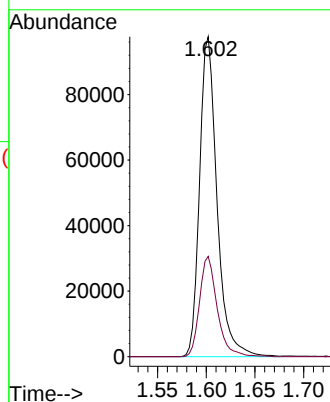
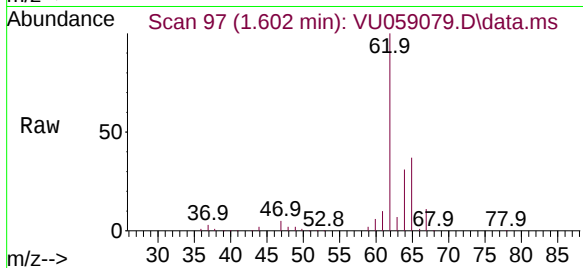
ClientSampleId :

Tgt Ion: 62 Resp: 121529

Ion Ratio Lower Upper

62 100

64 31.4 22.5 41.7



#6

Bromomethane

Concen: 37.073 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.029 min

Lab File: VU059079.D

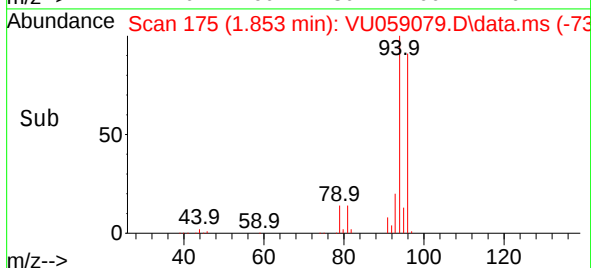
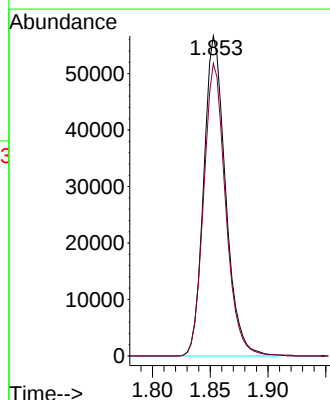
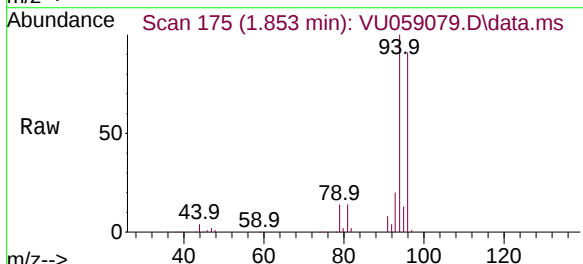
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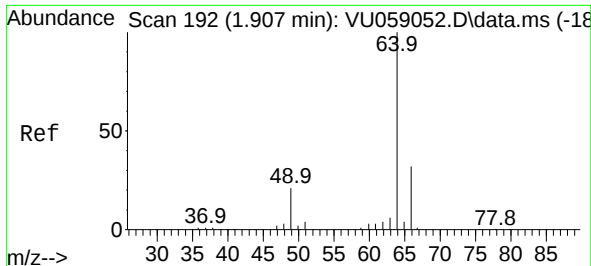
Tgt Ion: 94 Resp: 74444

Ion Ratio Lower Upper

94 100

96 91.3 67.1 124.7

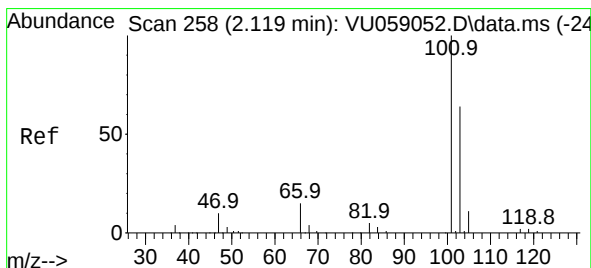
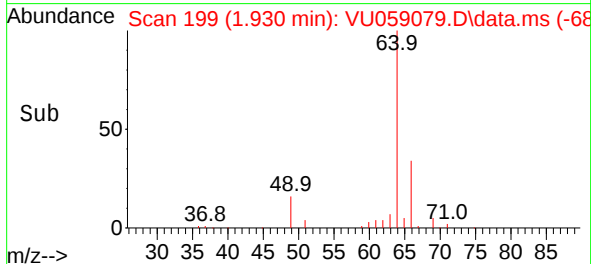
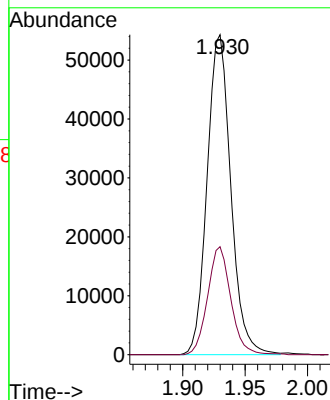
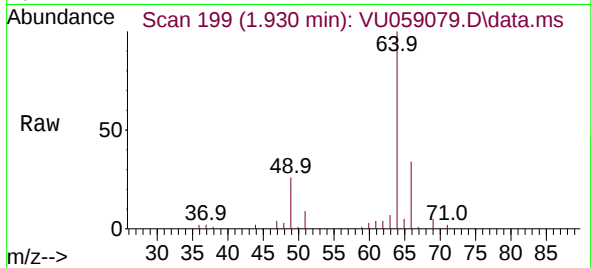




#8
Chloroethane
Concen: 45.990 ug/L
RT: 1.930 min Scan# 11
Delta R.T. 0.023 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

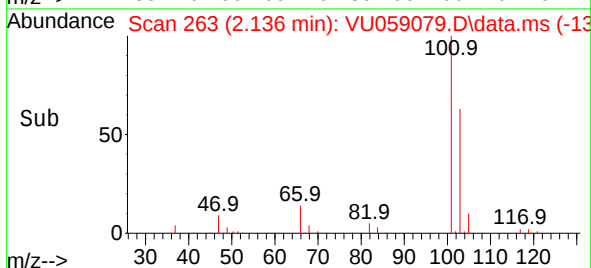
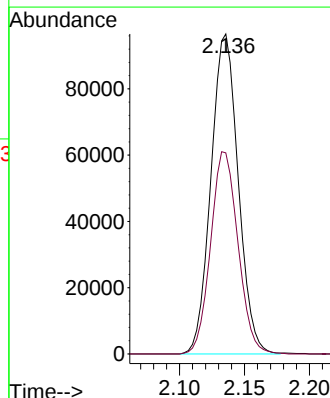
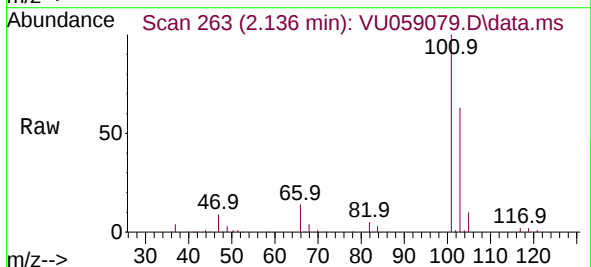
Instrument :
MSVOA_U
ClientSampleId :

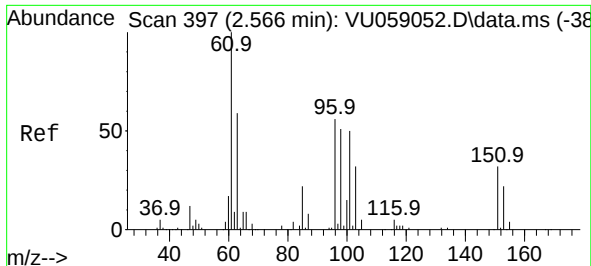
Tgt Ion: 64 Resp: 71983
Ion Ratio Lower Upper
64 100
66 33.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.258 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.016 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:101 Resp: 140949
Ion Ratio Lower Upper
101 100
103 63.4 51.8 77.6

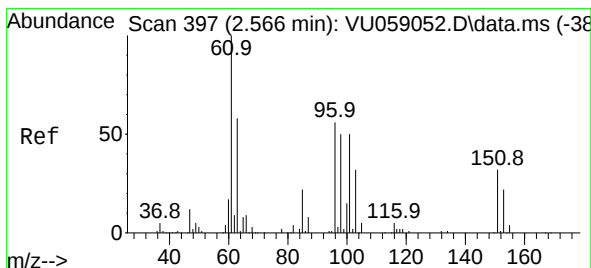
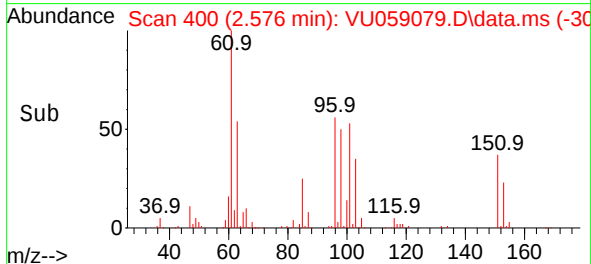
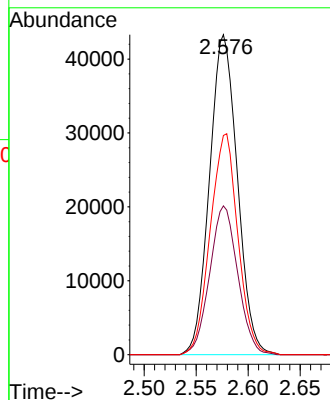
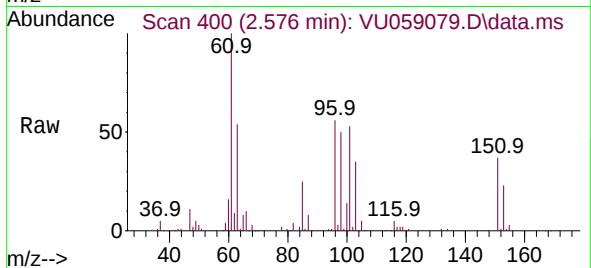




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 47.570 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.010 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

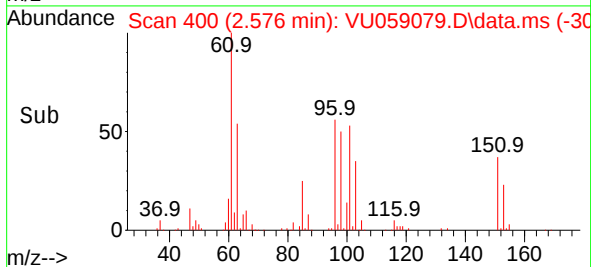
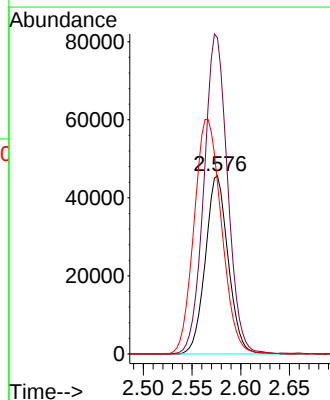
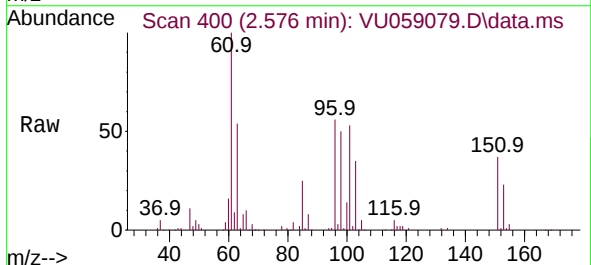
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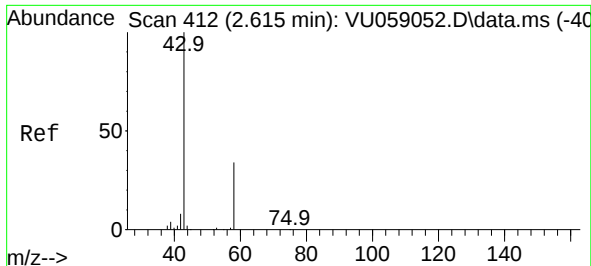
Tgt Ion:101 Resp: 80837
Ion Ratio Lower Upper
101 100
85 46.8 36.7 55.1
151 68.6 52.2 78.2



#12
1,1-Dichloroethene
Concen: 48.242 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.010 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion: 96 Resp: 74356
Ion Ratio Lower Upper
96 100
61 177.4 126.3 234.6
63 95.9 78.7 146.1





#13

Acetone

Concen: 58.577 ug/L

RT: 2.624 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

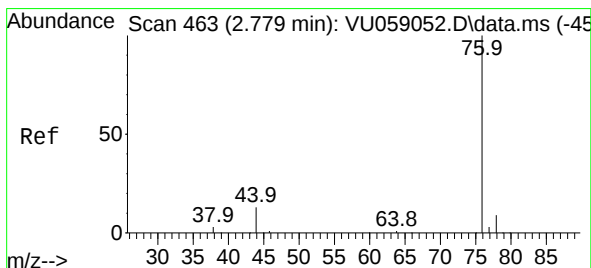
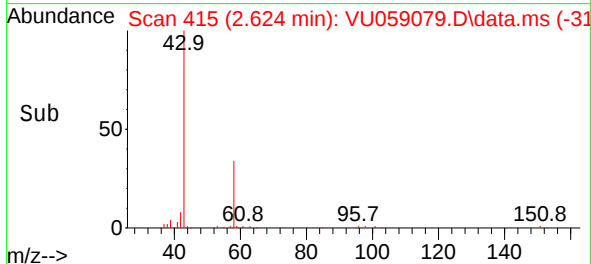
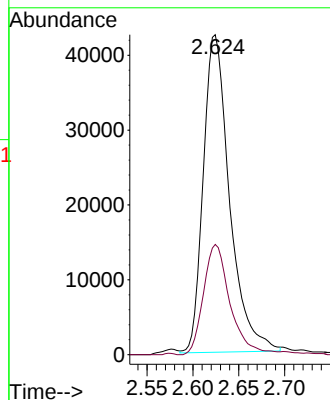
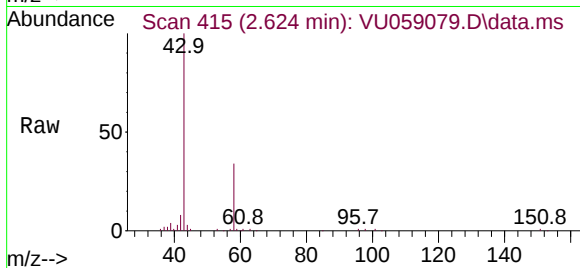
ClientSampleId :

Tgt Ion: 43 Resp: 84759

Ion Ratio Lower Upper

43 100

58 34.6 0.0 68.8



#14

Carbon disulfide

Concen: 47.988 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.010 min

Lab File: VU059079.D

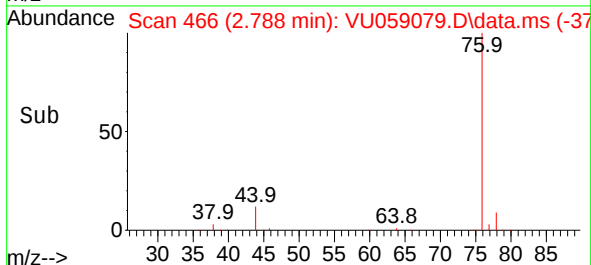
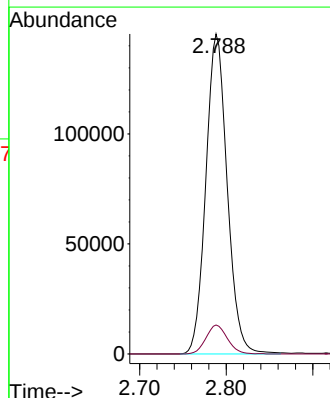
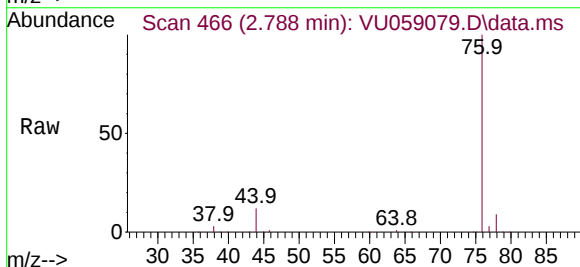
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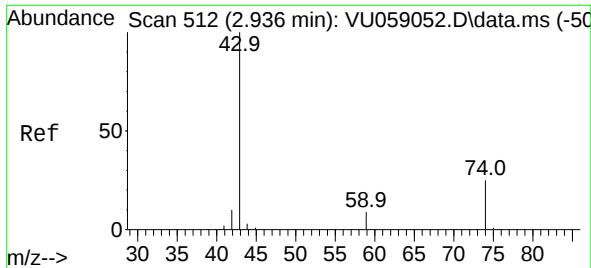
Tgt Ion: 76 Resp: 249100

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methyl Acetate

Concen: 44.337 ug/L

RT: 2.943 min Scan# 51

Delta R.T. 0.006 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

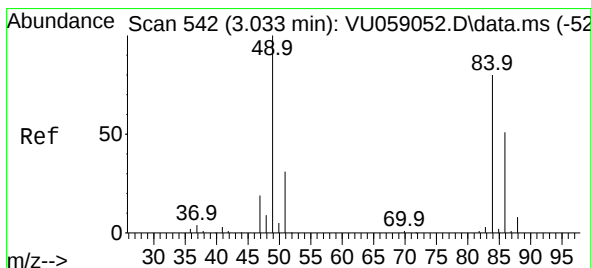
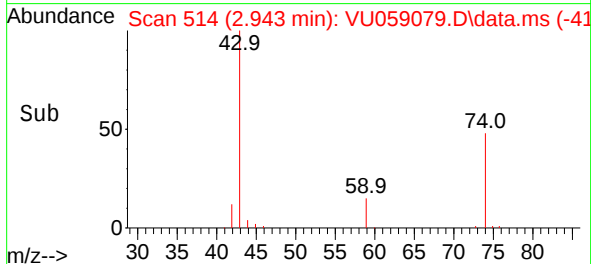
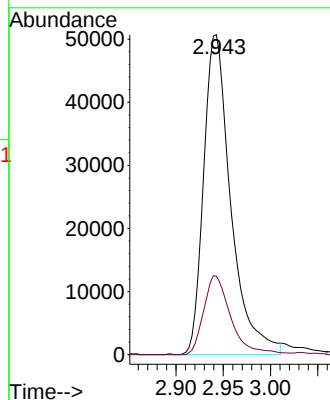
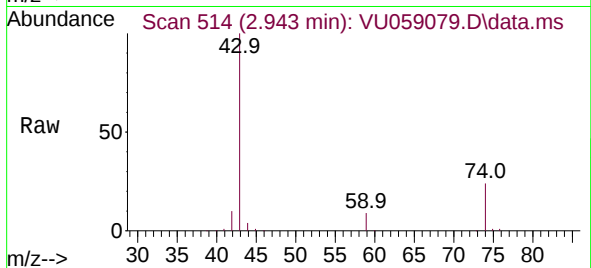
ClientSampleId :

Tgt Ion: 43 Resp: 101621

Ion Ratio Lower Upper

43 100

74 24.6 20.8 31.2



#16

Methylene chloride

Concen: 47.443 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

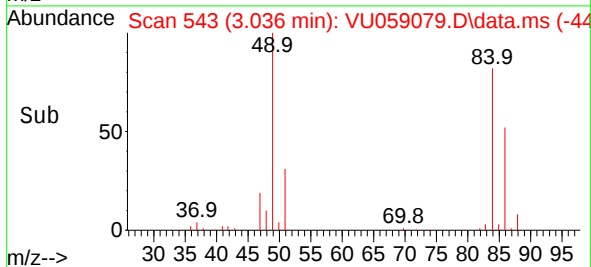
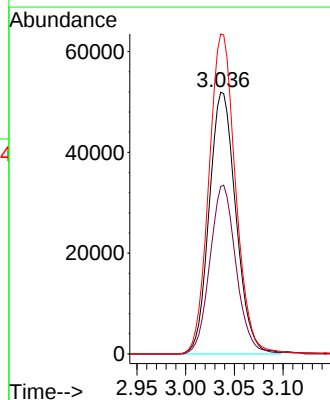
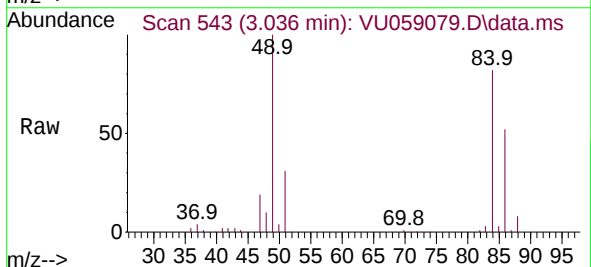
Tgt Ion: 84 Resp: 98942

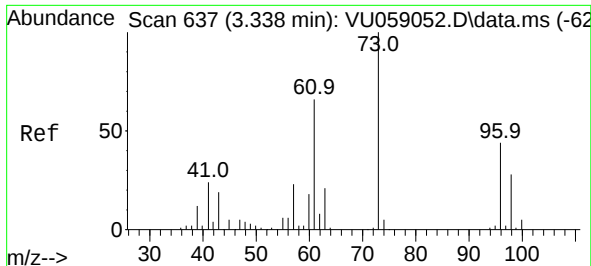
Ion Ratio Lower Upper

84 100

86 63.9 44.9 83.3

49 122.2 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 48.636 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.010 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

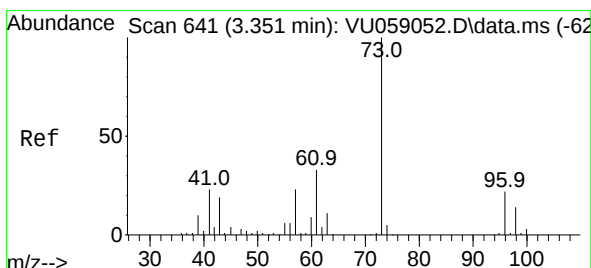
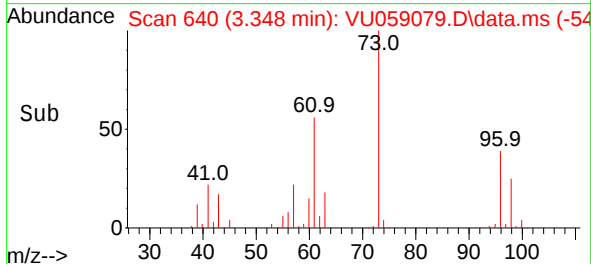
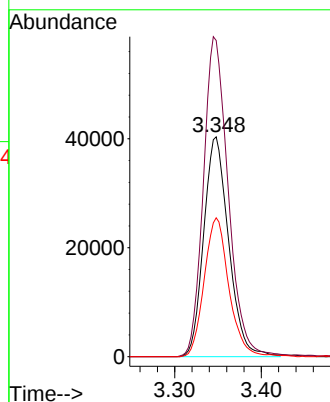
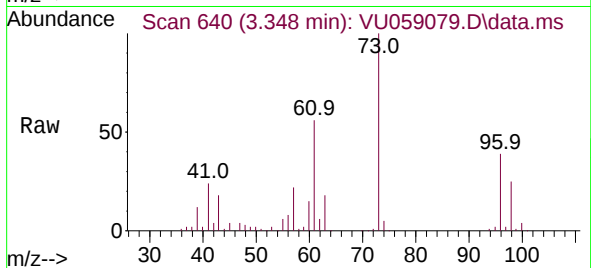
Tgt Ion: 96 Resp: 80910

Ion Ratio Lower Upper

96 100

61 143.9 103.5 192.3

98 63.2 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 45.898 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

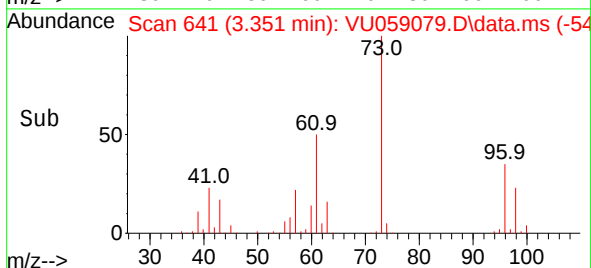
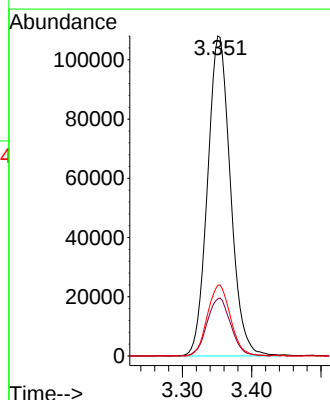
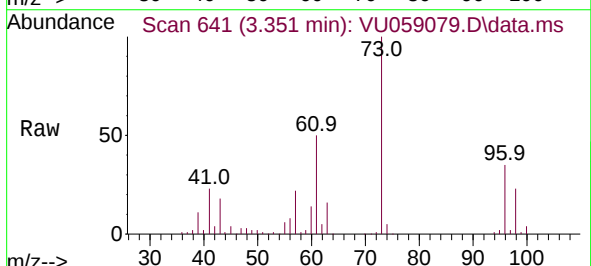
Tgt Ion: 73 Resp: 248025

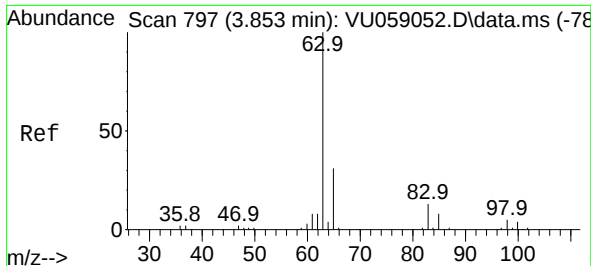
Ion Ratio Lower Upper

73 100

43 18.8 15.6 23.4

57 22.4 18.6 28.0





#19

1,1-Dichloroethane

Concen: 46.780 ug/L

RT: 3.859 min Scan# 797

Delta R.T. 0.007 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

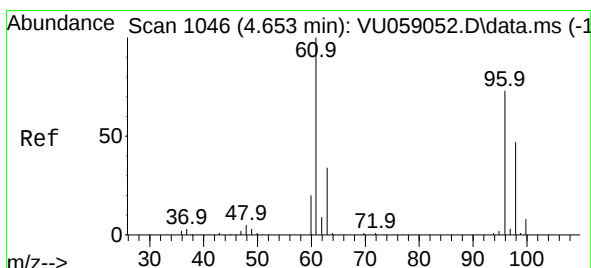
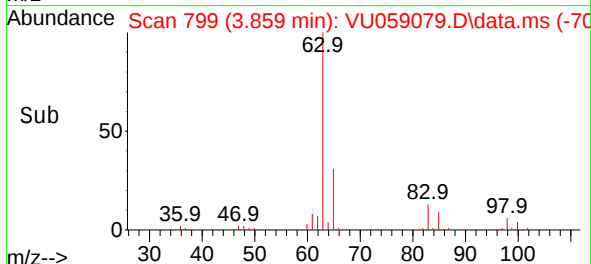
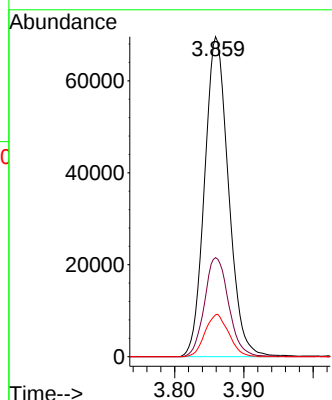
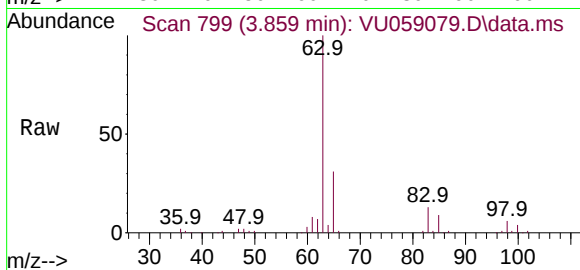
Tgt Ion: 63 Resp: 166810

Ion Ratio Lower Upper

63 100

65 30.9 21.3 39.5

83 13.1 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 47.143 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

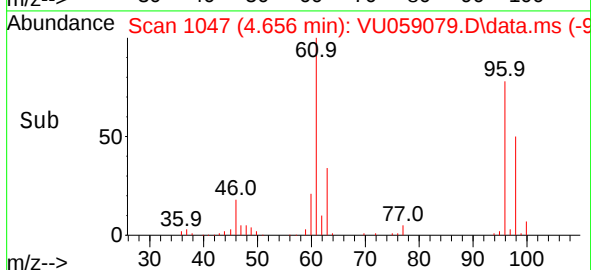
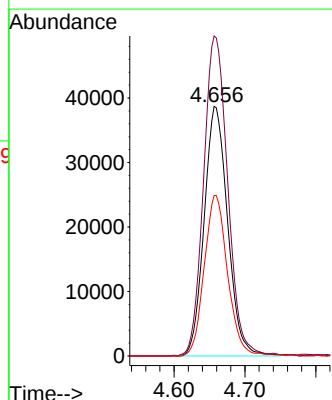
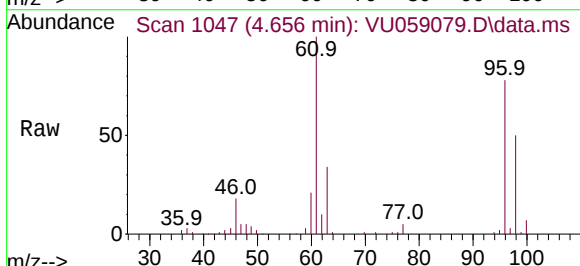
Tgt Ion: 96 Resp: 89368

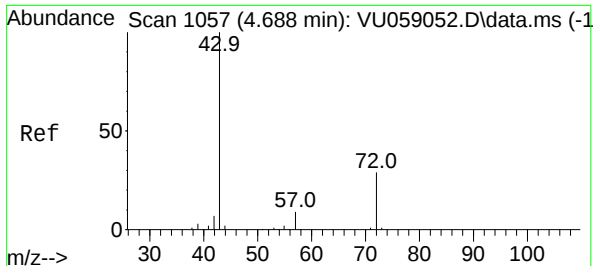
Ion Ratio Lower Upper

96 100

61 128.2 96.2 178.6

98 64.3 45.6 84.6

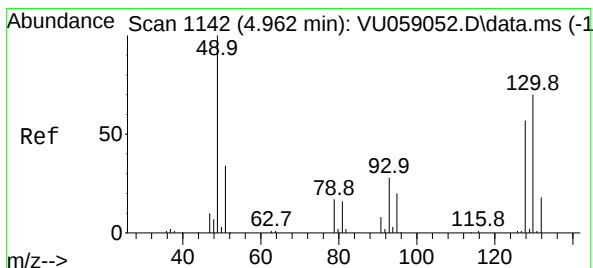
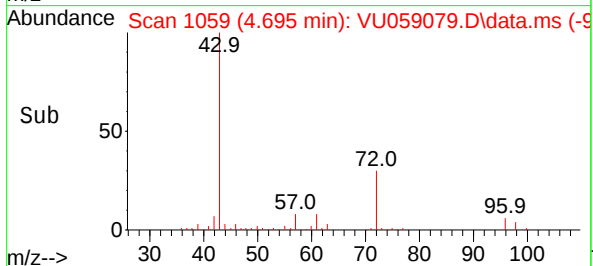
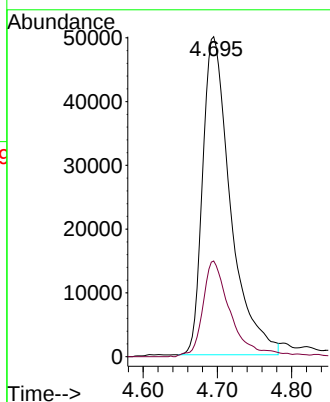
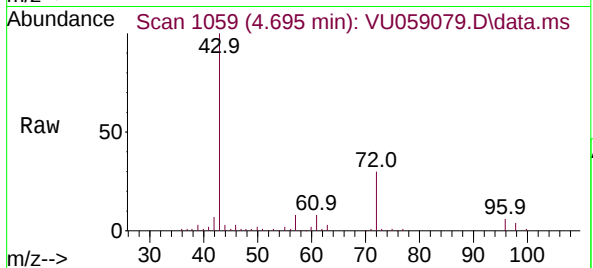




#22
2-Butanone
Concen: 74.105 ug/L
RT: 4.695 min Scan# 1105
Delta R.T. 0.007 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

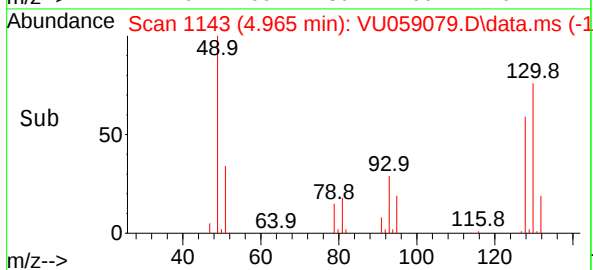
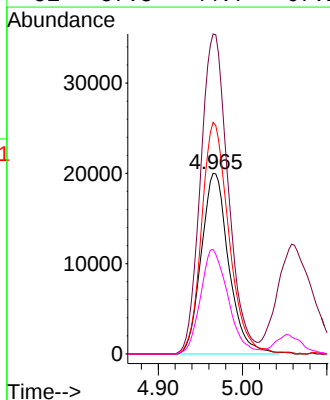
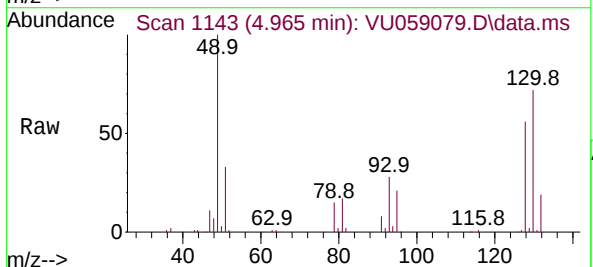
Instrument :
MSVOA_U
ClientSampleId :

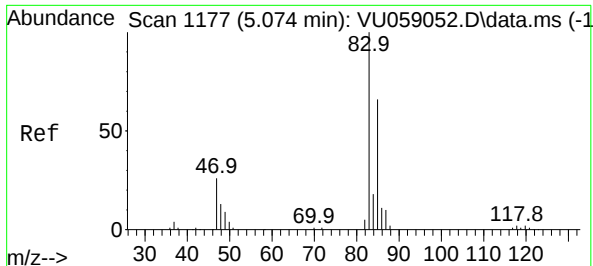
Tgt Ion: 43 Resp: 129817
Ion Ratio Lower Upper
43 100
72 28.6 14.2 42.8



#23
Bromochloromethane
Concen: 47.104 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:128 Resp: 45231
Ion Ratio Lower Upper
128 100
49 177.2 128.4 238.4
130 128.3 86.9 161.3
51 57.8 44.7 67.1





#25

Chloroform

Concen: 48.201 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

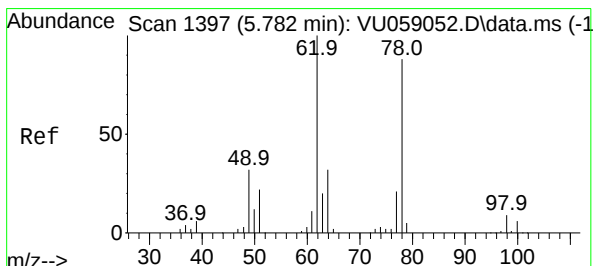
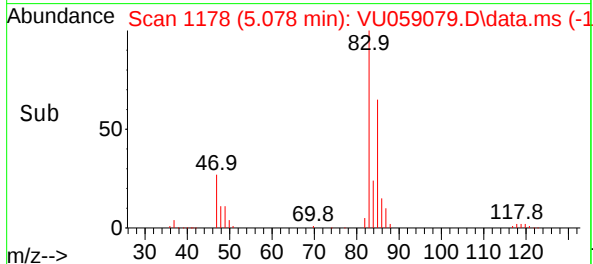
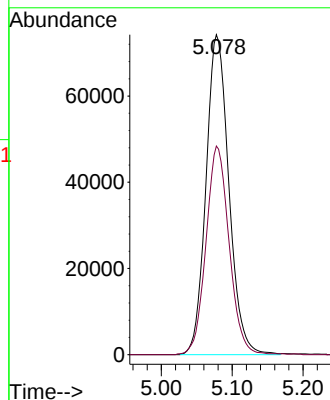
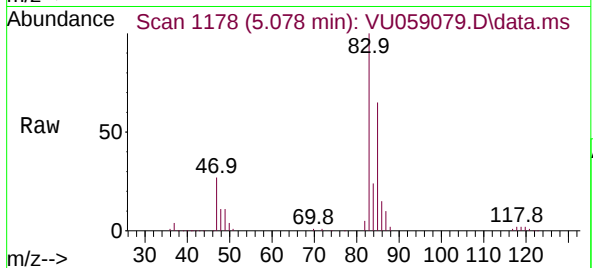
ClientSampleId :

Tgt Ion: 83 Resp: 166425

Ion Ratio Lower Upper

83 100

85 65.2 46.1 85.7



#27

1,2-Dichloroethane

Concen: 45.063 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU059079.D

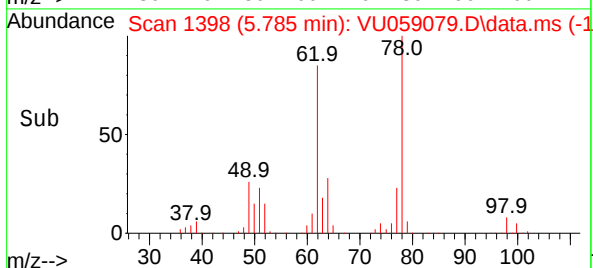
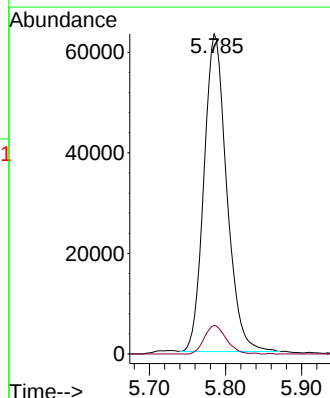
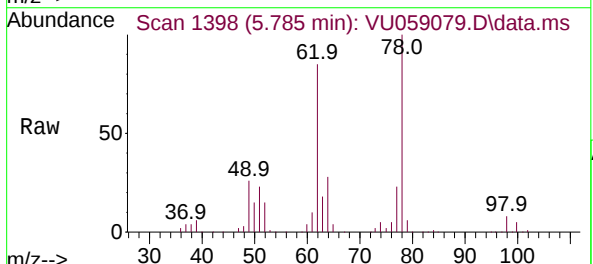
Acq: 30 May 2024 08:49

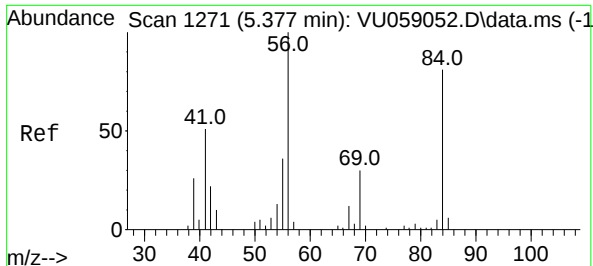
Tgt Ion: 62 Resp: 131440

Ion Ratio Lower Upper

62 100

98 9.0 6.9 10.3





#29

Cyclohexane

Concen: 46.018 ug/L

RT: 5.380 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

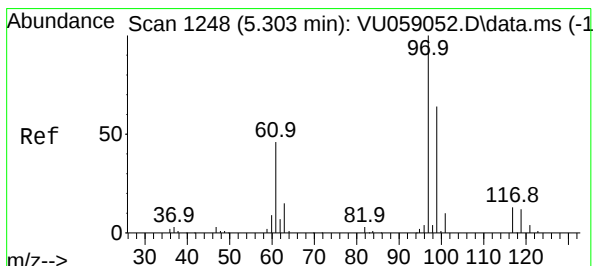
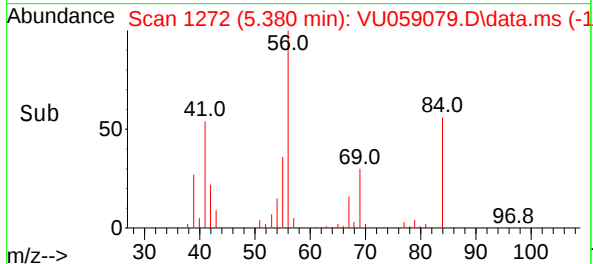
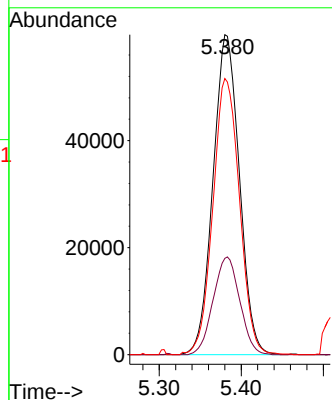
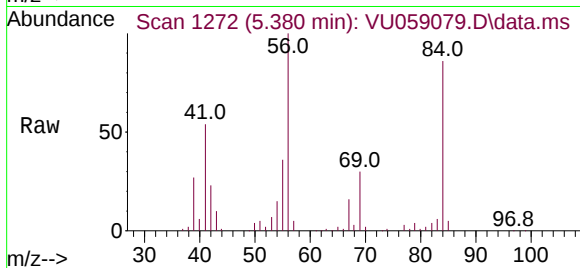
Tgt Ion: 56 Resp: 133775

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 87.0 67.4 101.0



#30

1,1,1-Trichloroethane

Concen: 47.234 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.007 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

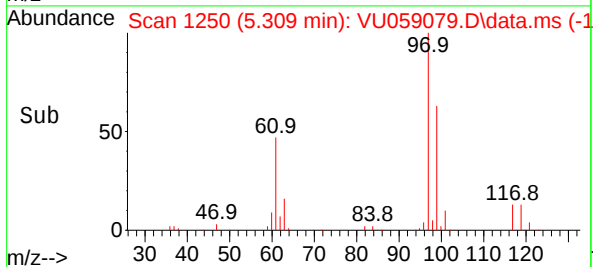
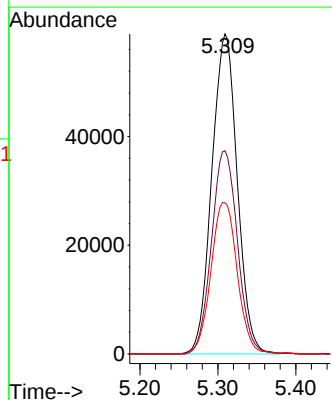
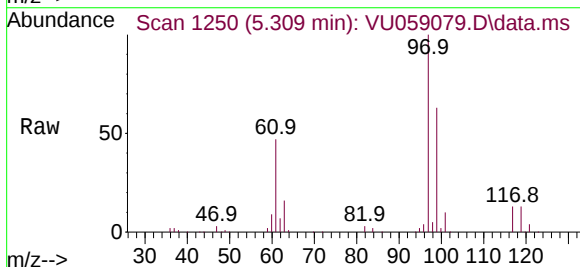
Tgt Ion: 97 Resp: 133725

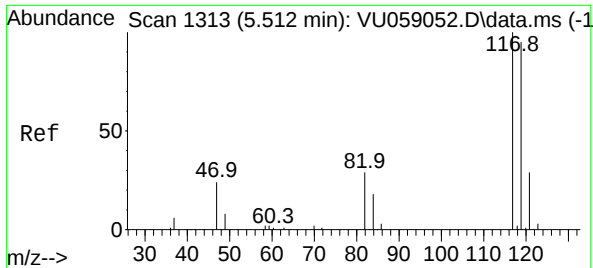
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 49.0 39.1 58.7

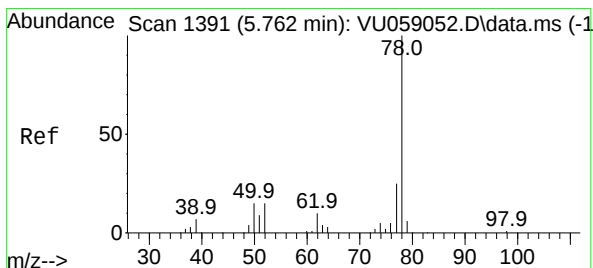
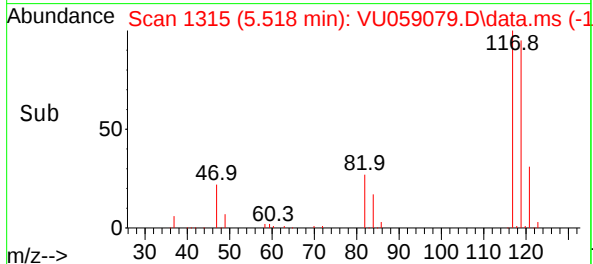
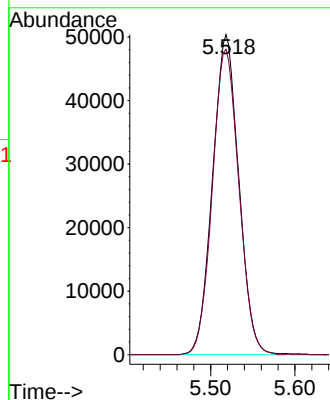
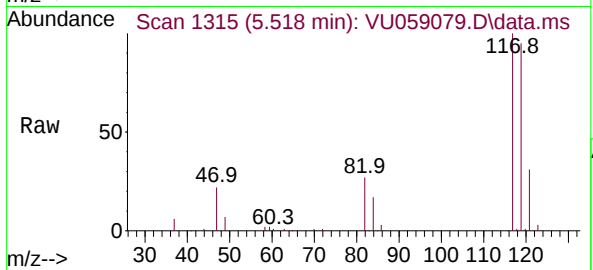




#31
Carbon tetrachloride
Concen: 47.220 ug/L
RT: 5.518 min Scan# 1313
Delta R.T. 0.007 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

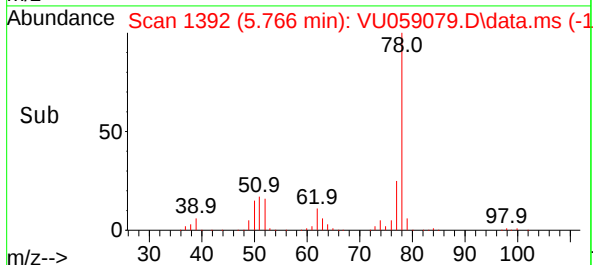
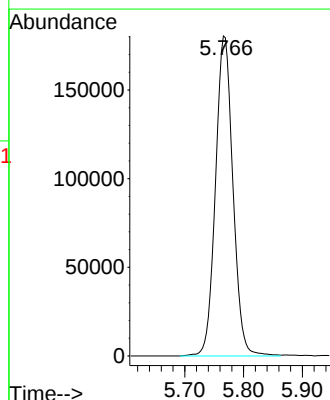
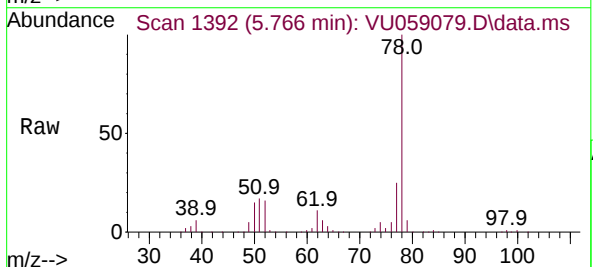
Instrument :
MSVOA_U
ClientSampleId :

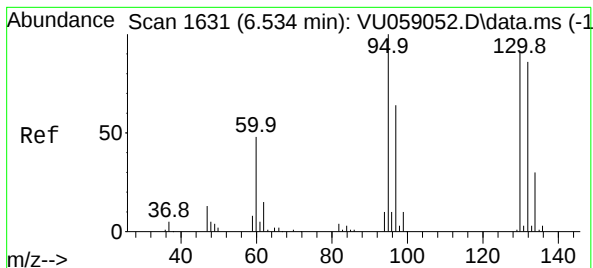
Tgt Ion:117 Resp: 108588
Ion Ratio Lower Upper
117 100
119 96.6 76.9 115.3



#33
Benzene
Concen: 47.375 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion: 78 Resp: 372493





#34

Trichloroethene

Concen: 49.389 ug/L

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 95084

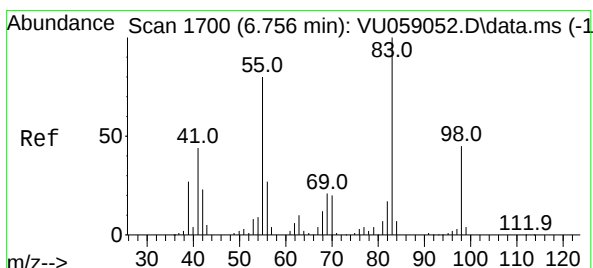
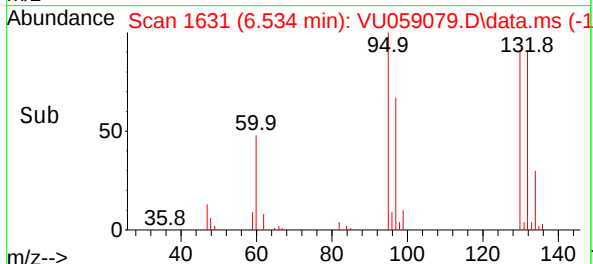
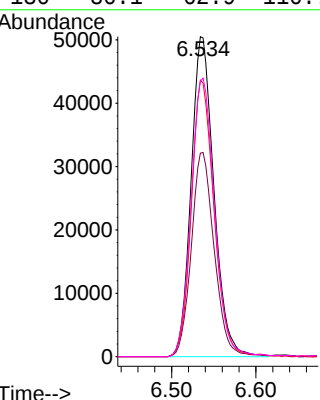
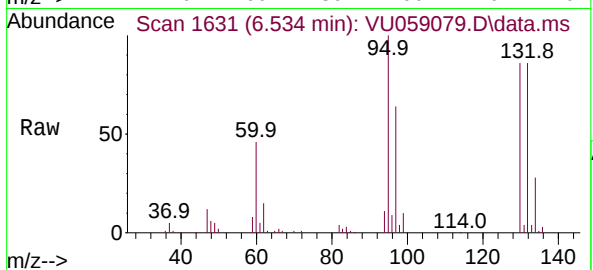
Ion Ratio Lower Upper

95 100

97 63.6 45.2 84.0

132 86.4 60.6 112.6

130 86.1 62.9 116.7



#35

Methylcyclohexane

Concen: 48.220 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

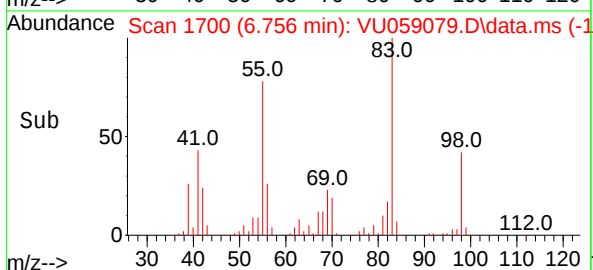
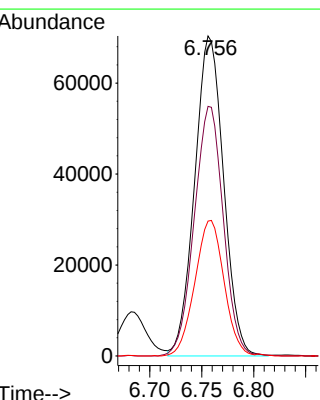
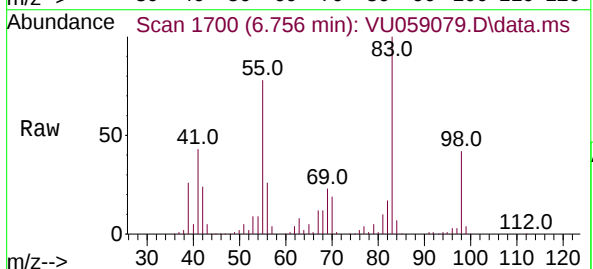
Tgt Ion: 83 Resp: 136497

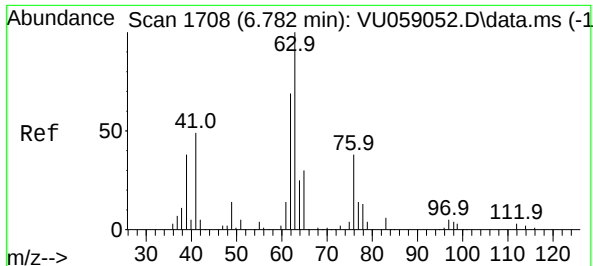
Ion Ratio Lower Upper

83 100

55 78.2 63.9 95.9

98 42.7 34.7 52.1

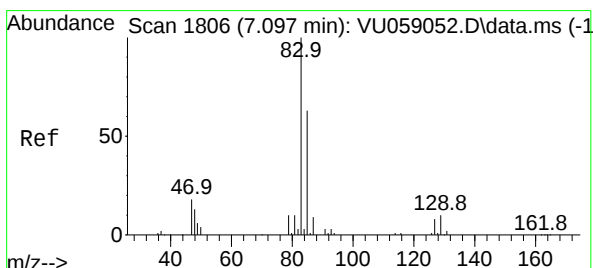
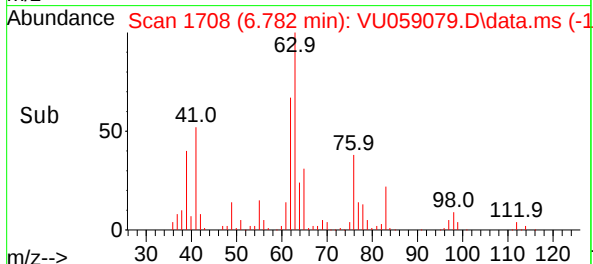
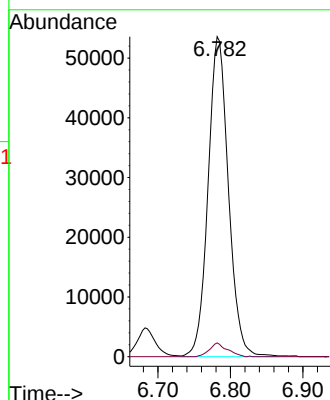
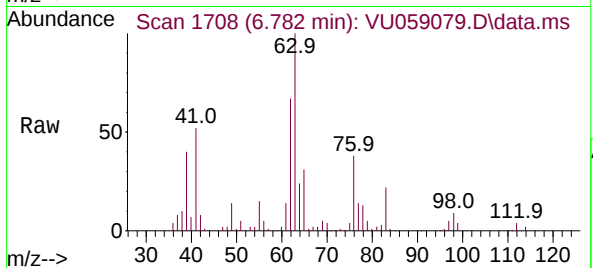




#37
1,2-Dichloropropane
Concen: 46.832 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

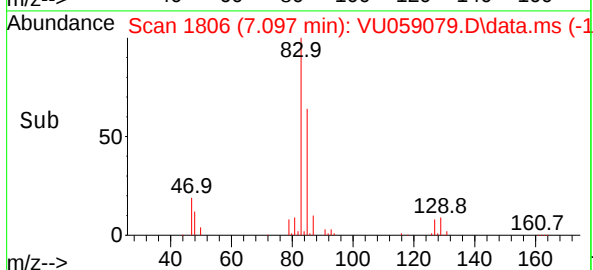
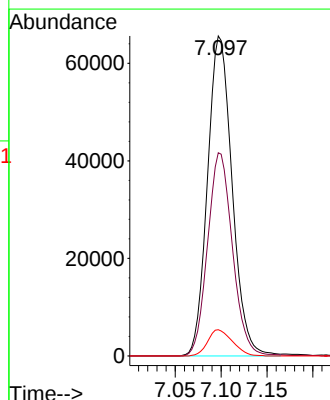
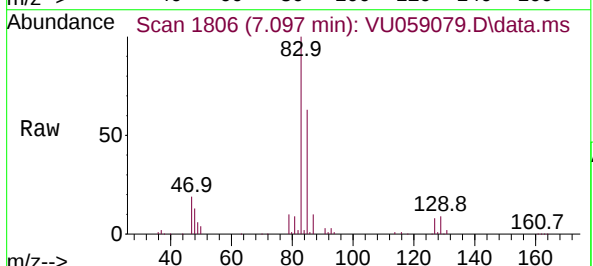
Instrument :
MSVOA_U
ClientSampleId :

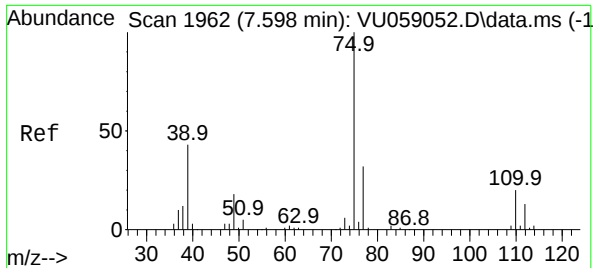
Tgt Ion: 63 Resp: 104559
Ion Ratio Lower Upper
63 100
112 3.7 2.6 4.0



#38
Bromodichloromethane
Concen: 47.209 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion: 83 Resp: 122776
Ion Ratio Lower Upper
83 100
85 63.5 44.0 81.6
127 8.2 7.0 10.6

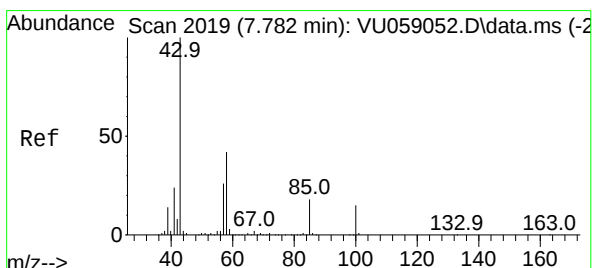
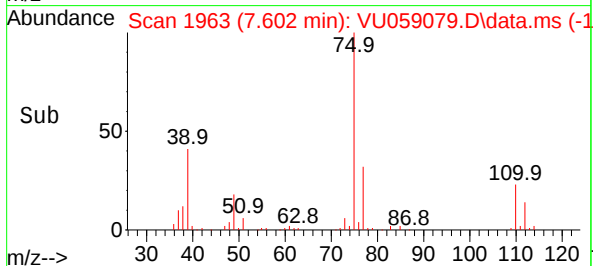
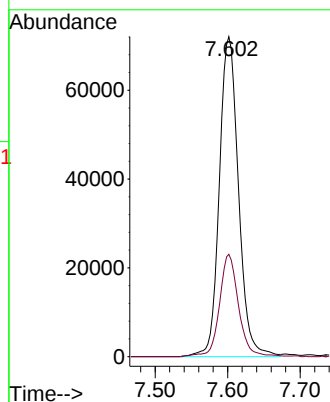
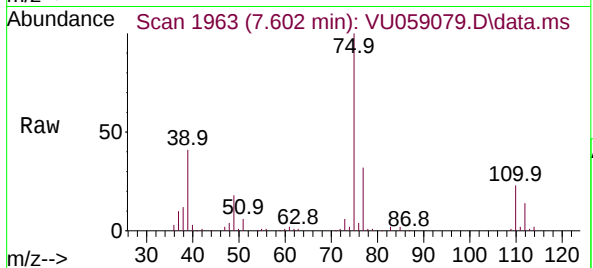




#39
 cis-1,3-Dichloropropene
 Concen: 42.861 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU059079.D
 Acq: 30 May 2024 08:49

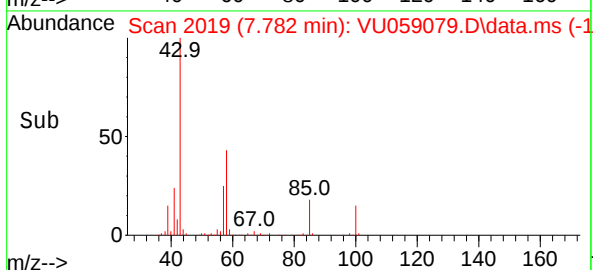
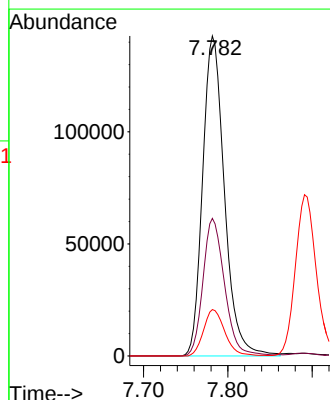
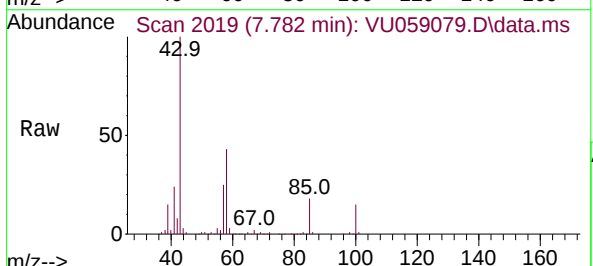
Instrument :
 MSVOA_U
 ClientSampleId :

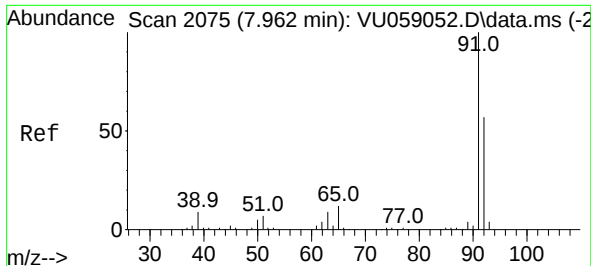
Tgt Ion: 75 Resp: 132401
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 87.988 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VU059079.D
 Acq: 30 May 2024 08:49

Tgt Ion: 43 Resp: 257540
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.7 50.5
 100 14.2 11.4 17.0





#42

Toluene

Concen: 48.653 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

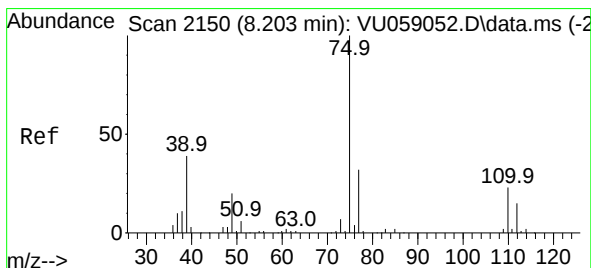
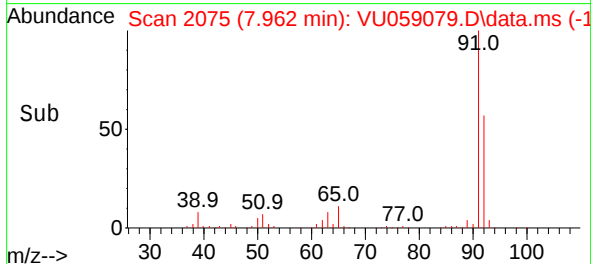
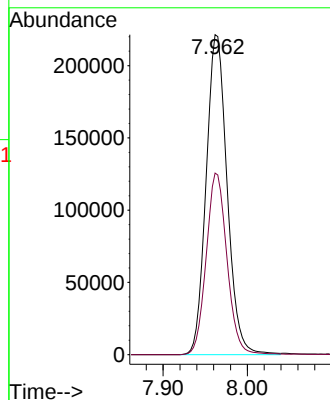
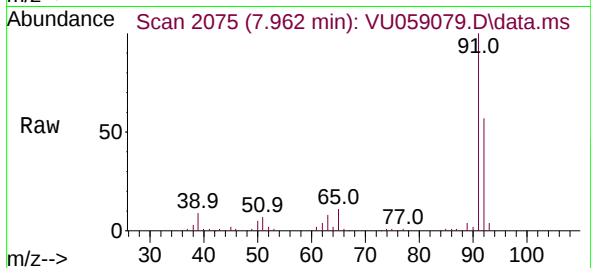
ClientSampleId :

Tgt Ion: 91 Resp: 383983

Ion Ratio Lower Upper

91 100

92 56.8 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 44.694 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059079.D

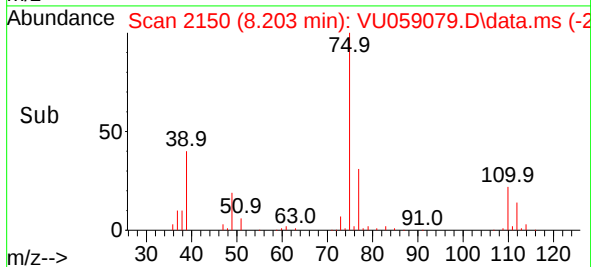
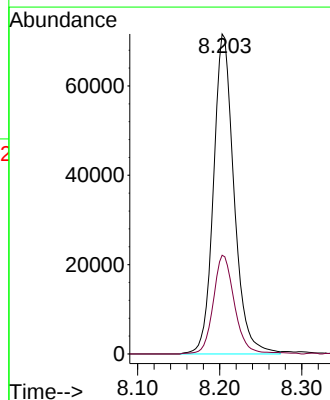
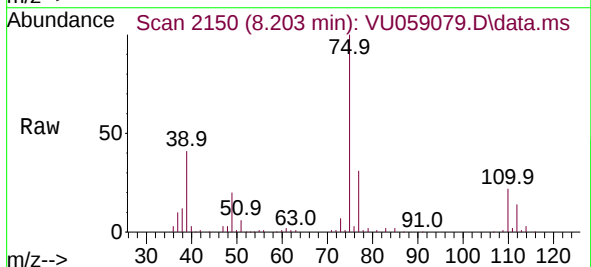
Acq: 30 May 2024 08:49

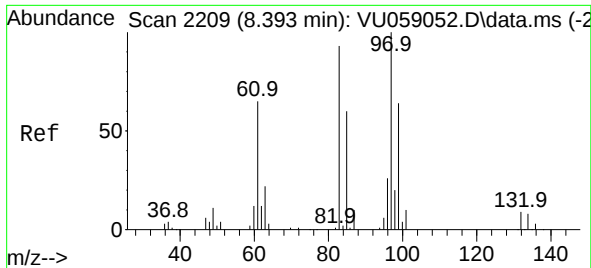
Tgt Ion: 75 Resp: 124992

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8

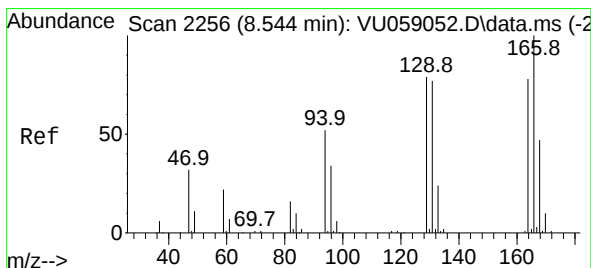
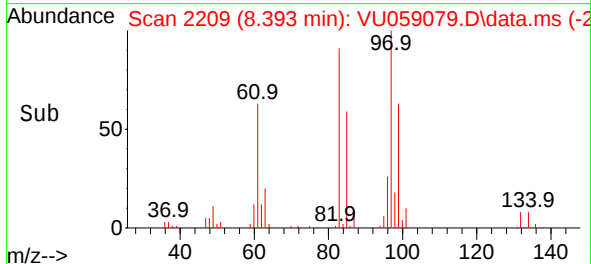
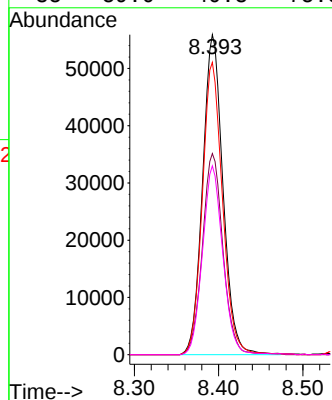
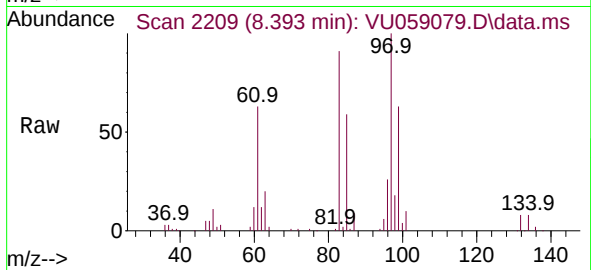




#45
1,1,2-Trichloroethane
Concen: 46.910 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

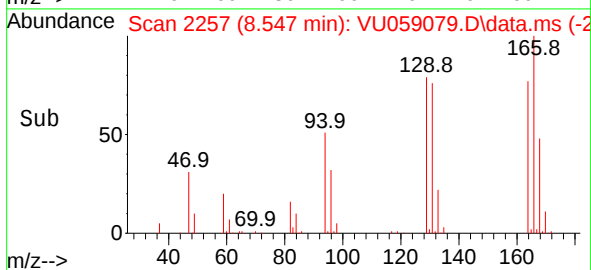
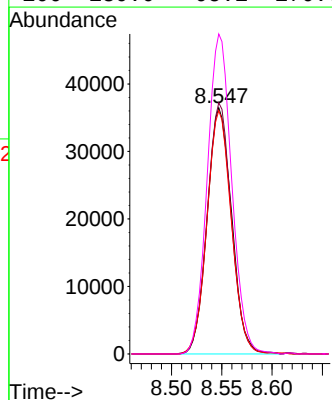
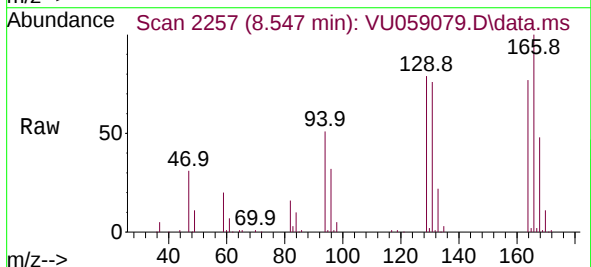
Instrument :
MSVOA_U
ClientSampleId :

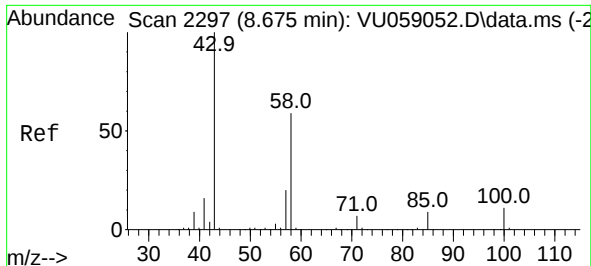
Tgt Ion:	97	Resp:	94166
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	91.4	63.6	118.2
85	59.0	40.8	75.8



#46
Tetrachloroethene
Concen: 48.343 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.003 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:	164	Resp:	61994
Ion	Ratio	Lower	Upper
164	100		
129	102.0	74.5	138.5
131	98.8	70.6	131.0
166	130.0	95.1	176.7





#48

2-Hexanone

Concen: 80.625 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. 0.000 min

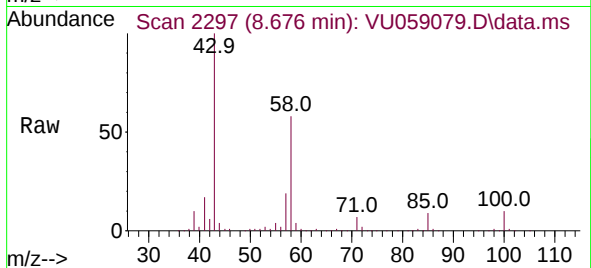
Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 199031

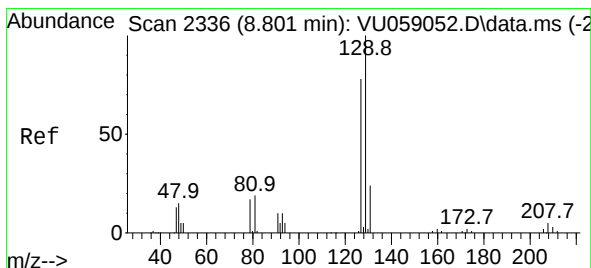
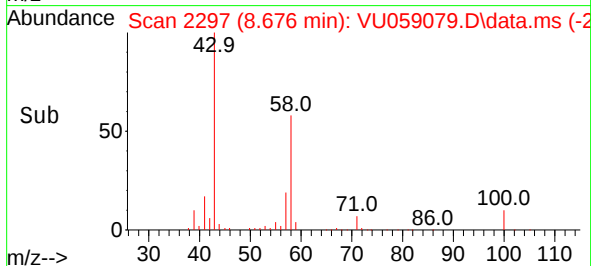
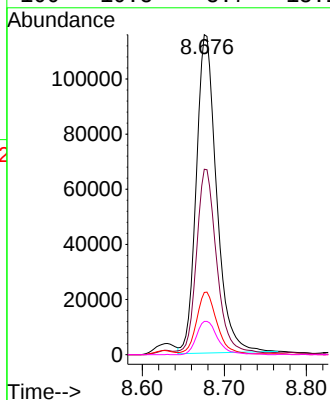
Ion Ratio Lower Upper

43 100

58 57.2 45.9 68.9

57 19.3 16.3 24.5

100 10.8 8.7 13.1



#49

Dibromochloromethane

Concen: 48.742 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU059079.D

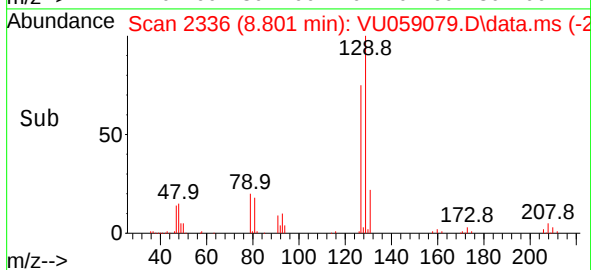
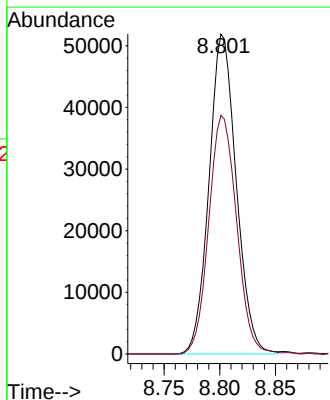
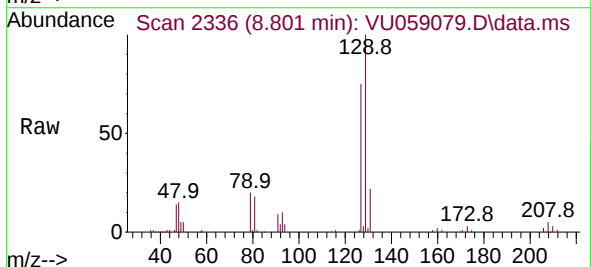
Acq: 30 May 2024 08:49

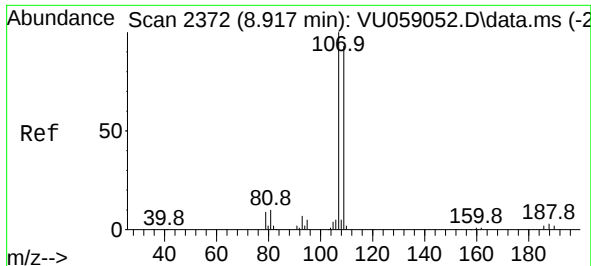
Tgt Ion: 129 Resp: 88425

Ion Ratio Lower Upper

129 100

127 74.5 53.3 98.9

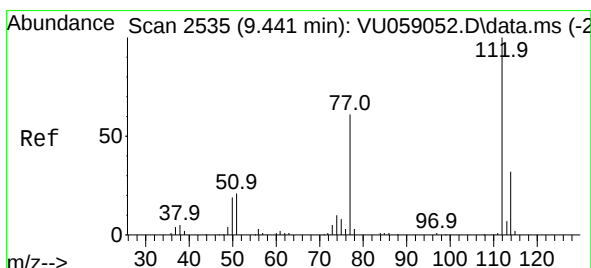
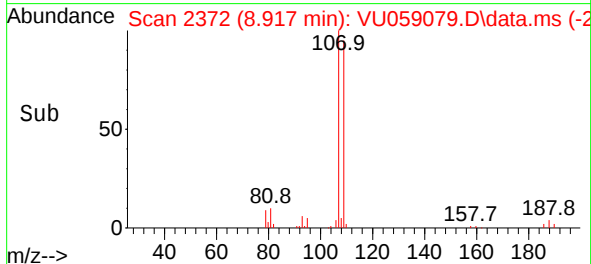
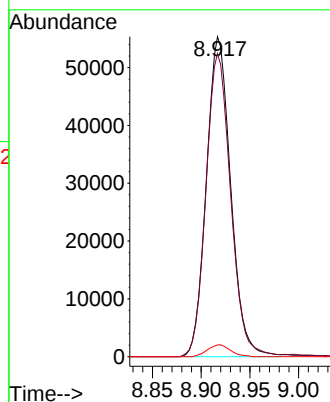
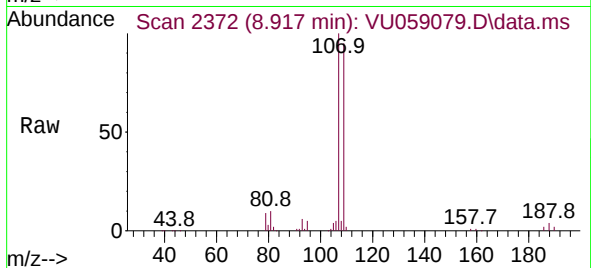




#50
1,2-Dibromoethane
Concen: 46.451 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

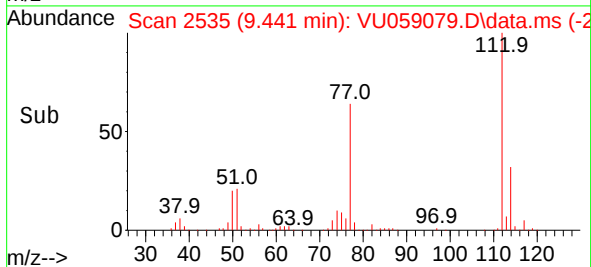
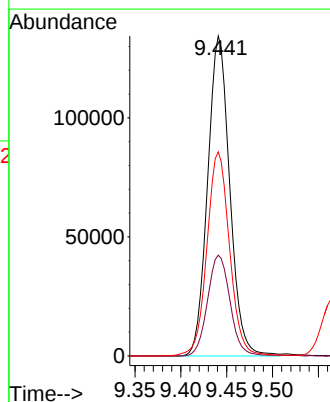
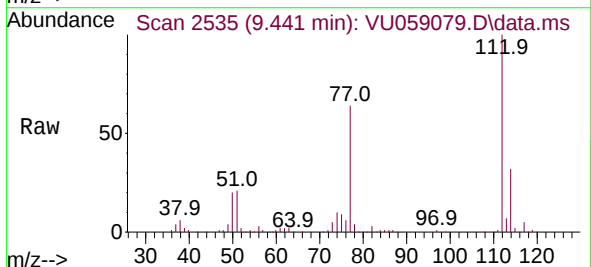
Instrument :
MSVOA_U
ClientSampleId :

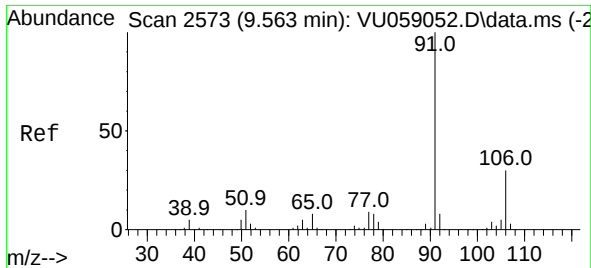
Tgt Ion:107 Resp: 96185
Ion Ratio Lower Upper
107 100
109 94.7 67.8 125.8
188 3.6 2.5 3.7



#51
Chlorobenzene
Concen: 47.370 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:112 Resp: 225644
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 63.8 49.8 74.6

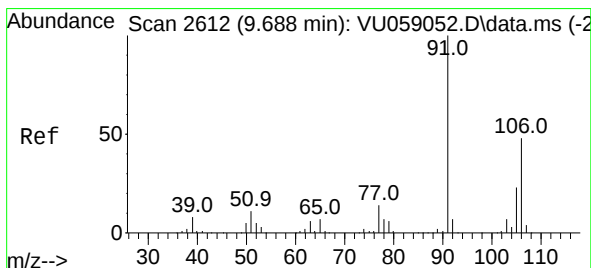
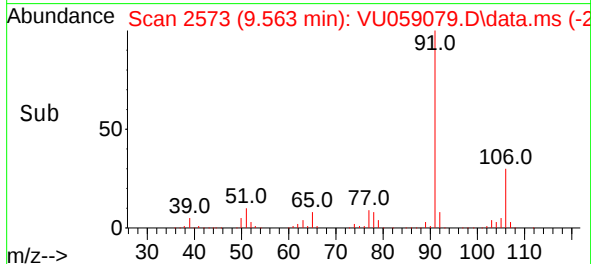
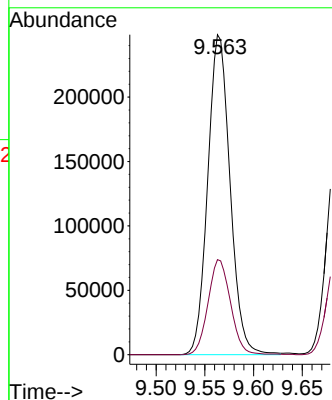
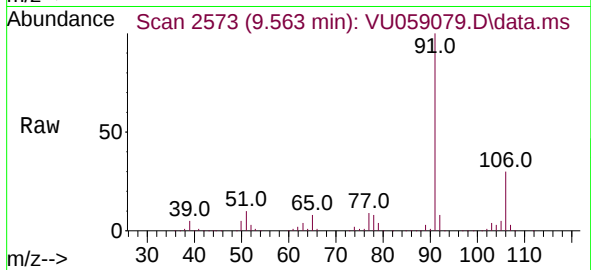




#52
Ethylbenzene
Concen: 48.616 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

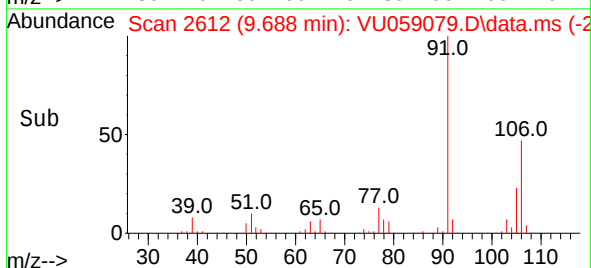
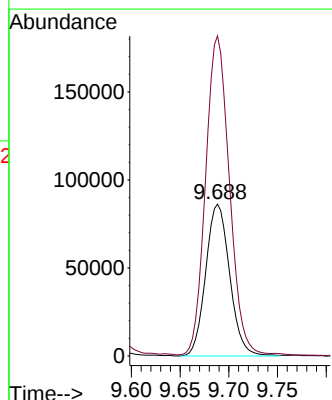
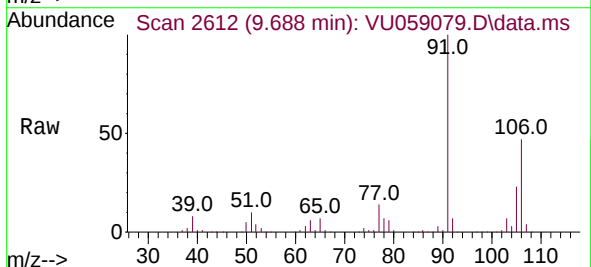
Instrument :
MSVOA_U
ClientSampleId :

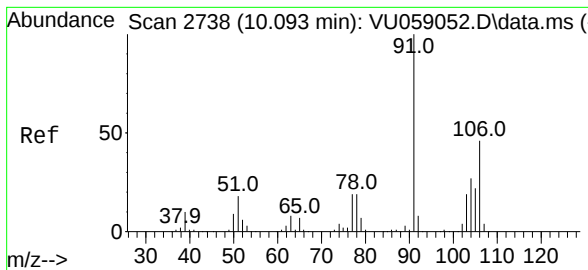
Tgt Ion: 91 Resp: 395560
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



#53
m,p-Xylene
Concen: 49.323 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:106 Resp: 147493
Ion Ratio Lower Upper
106 100
91 210.7 146.4 272.0

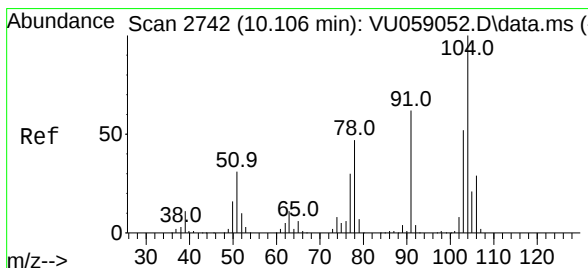
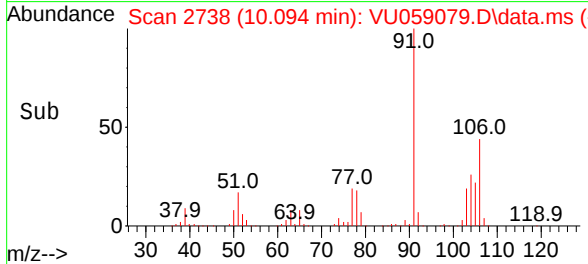
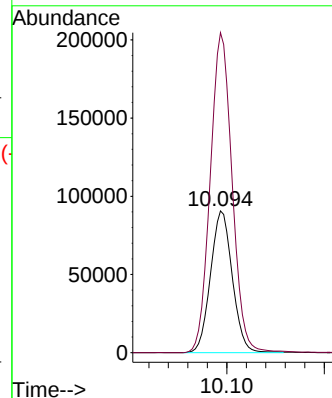
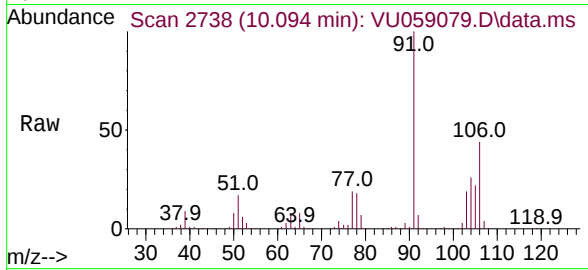




#54
o-Xylene
Concen: 48.659 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

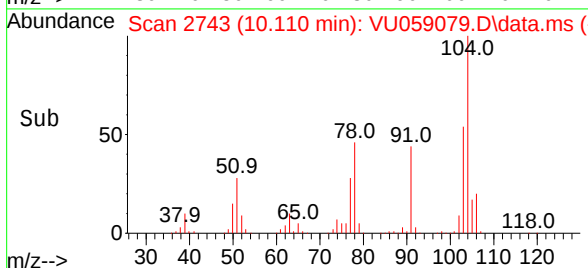
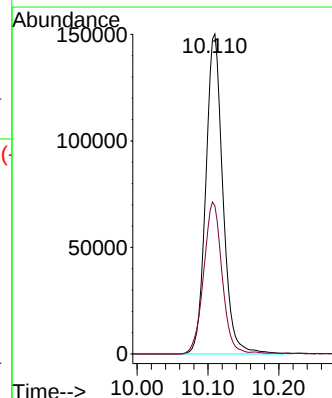
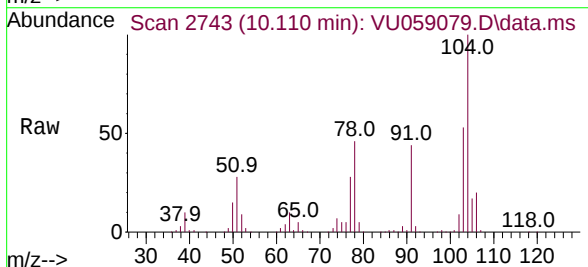
Instrument :
MSVOA_U
ClientSampleId :

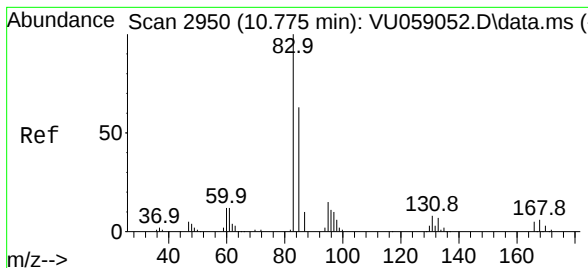
Tgt Ion:106 Resp: 141016
Ion Ratio Lower Upper
106 100
91 225.7 156.7 290.9



#55
Styrene
Concen: 51.019 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:104 Resp: 251325
Ion Ratio Lower Upper
104 100
78 46.3 34.7 64.5





#57

1,1,2,2-Tetrachloroethane

Concen: 43.535 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

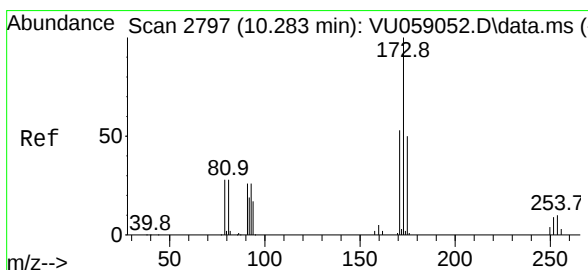
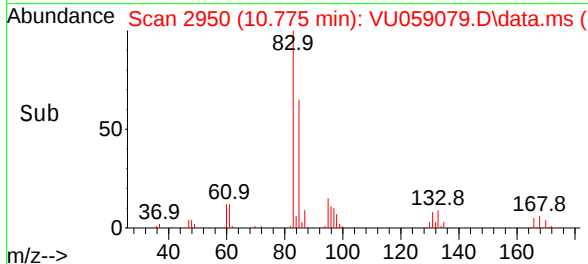
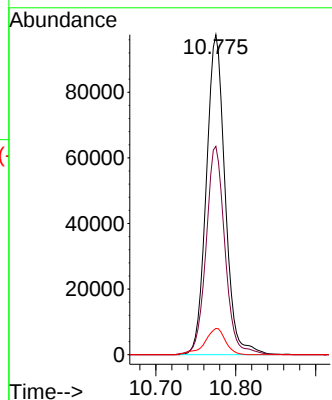
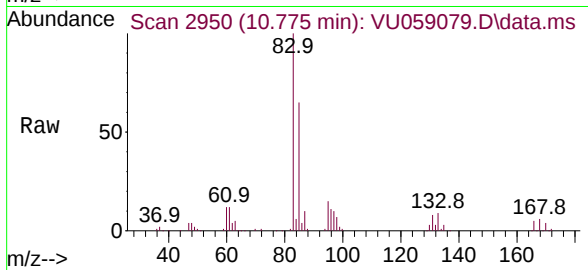
Tgt Ion: 83 Resp: 159198

Ion Ratio Lower Upper

83 100

85 65.1 46.1 85.7

131 8.2 7.0 10.4



#59

Bromoform

Concen: 45.955 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

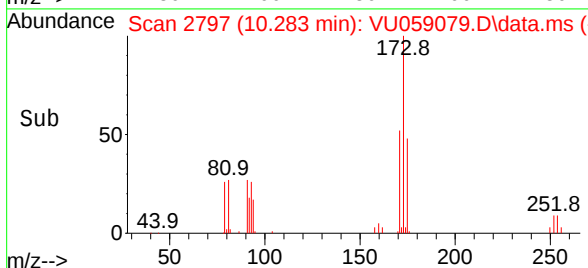
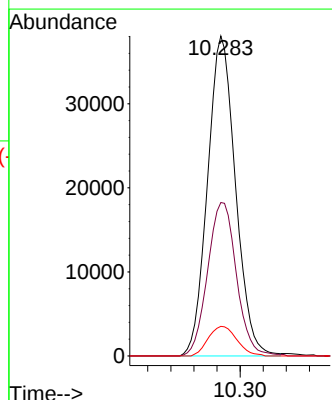
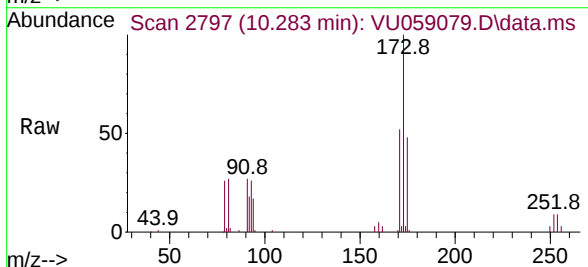
Tgt Ion:173 Resp: 64016

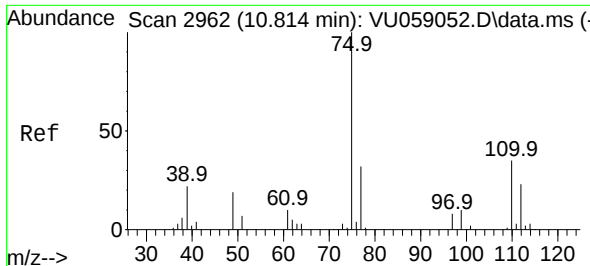
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

254 9.5 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 43.327 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

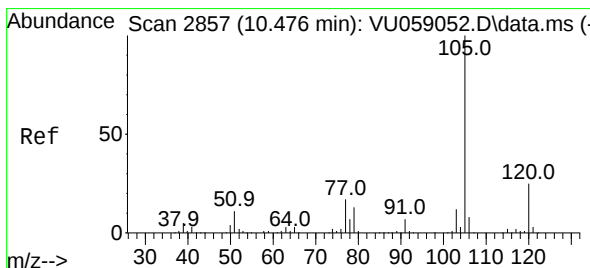
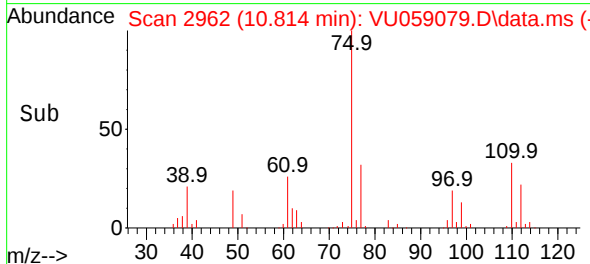
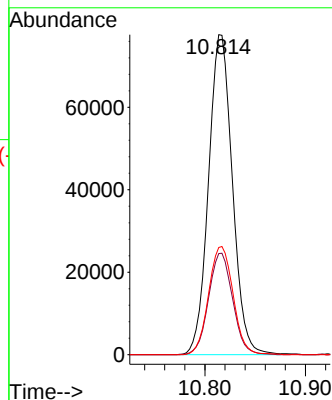
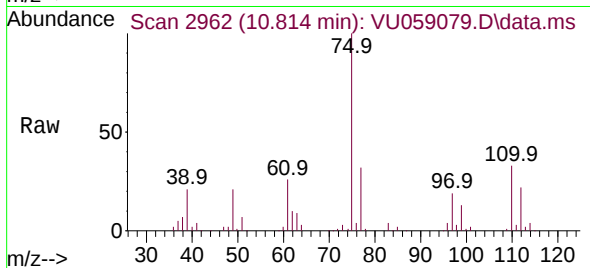
Tgt Ion: 75 Resp: 128010

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

110 34.7 28.4 42.6



#61

Isopropylbenzene

Concen: 50.271 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

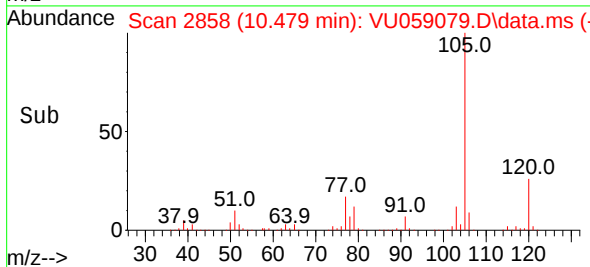
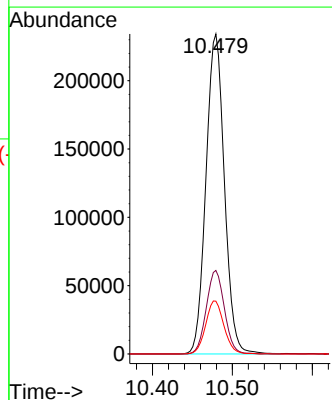
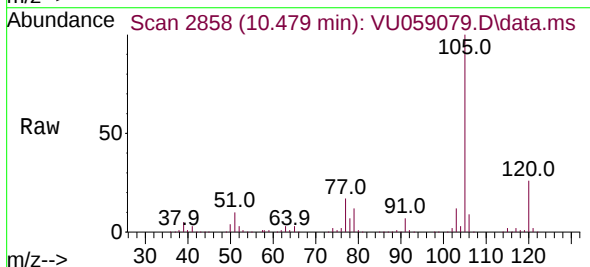
Tgt Ion:105 Resp: 375749

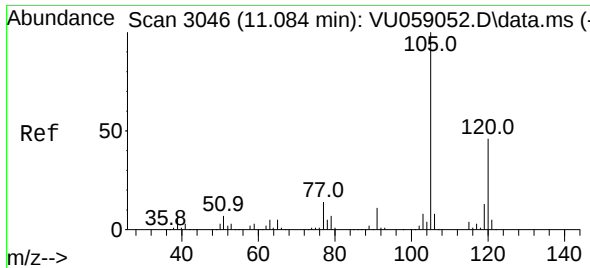
Ion Ratio Lower Upper

105 100

120 25.7 20.3 30.5

77 16.4 13.4 20.0

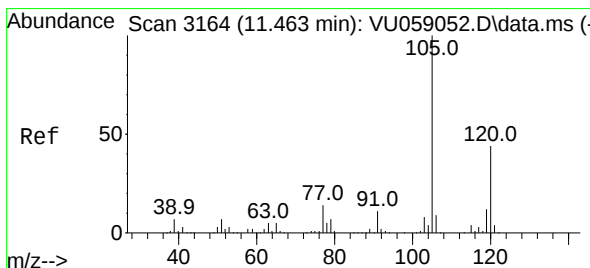
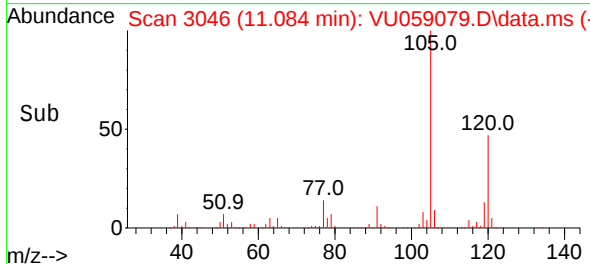
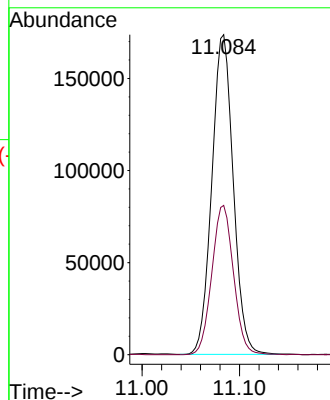
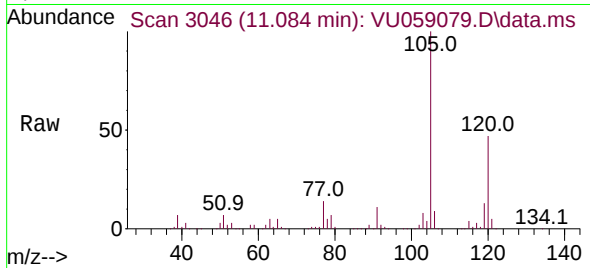




#62
1,3,5-Trimethylbenzene
Concen: 48.968 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

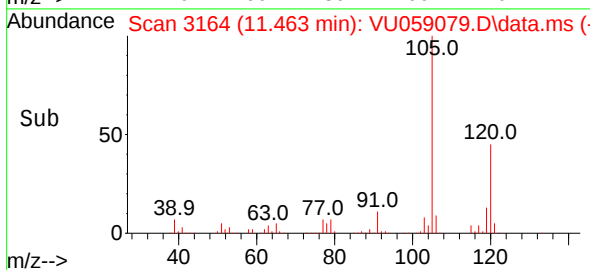
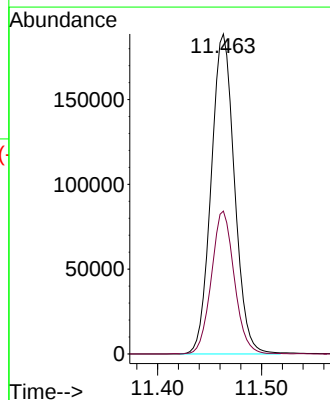
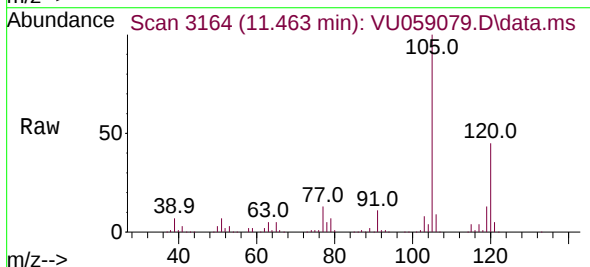
Instrument :
MSVOA_U
ClientSampleId :

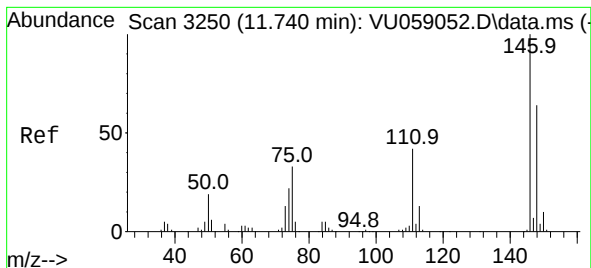
Tgt Ion:105 Resp: 265192
Ion Ratio Lower Upper
105 100
120 47.2 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 50.039 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:105 Resp: 293762
Ion Ratio Lower Upper
105 100
120 43.9 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 49.007 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

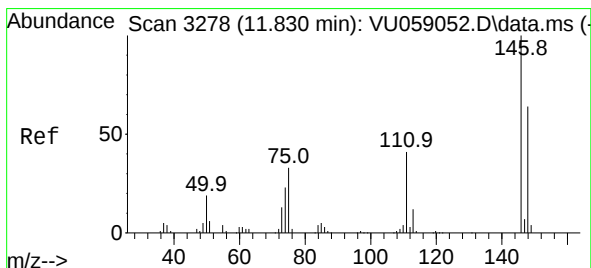
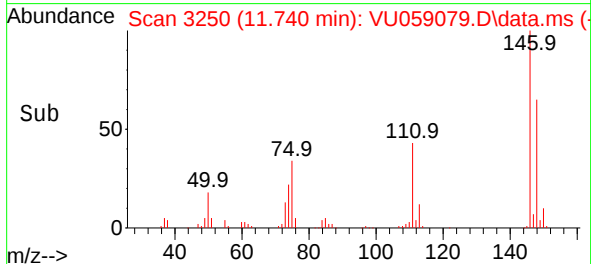
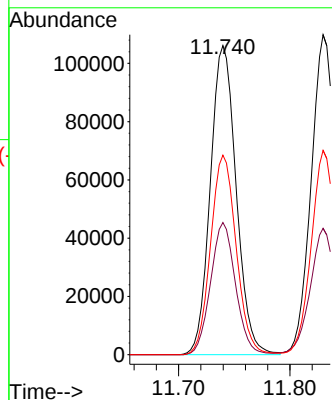
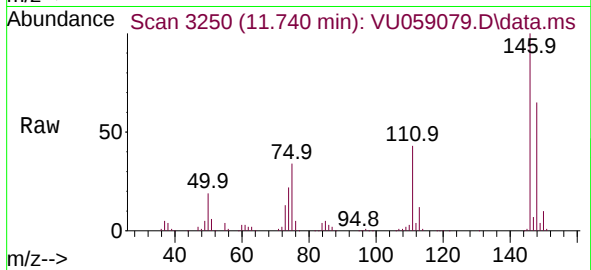
Tgt Ion:146 Resp: 171203

Ion Ratio Lower Upper

146 100

111 42.7 28.7 53.3

148 64.5 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 48.328 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

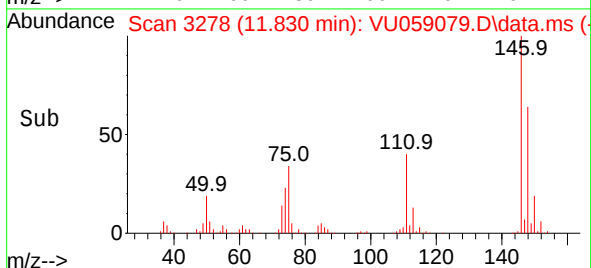
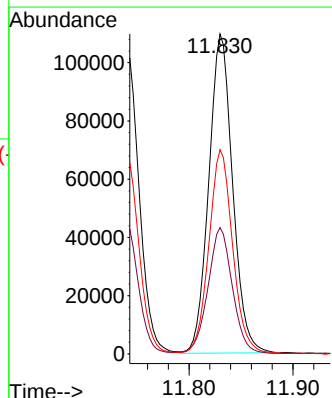
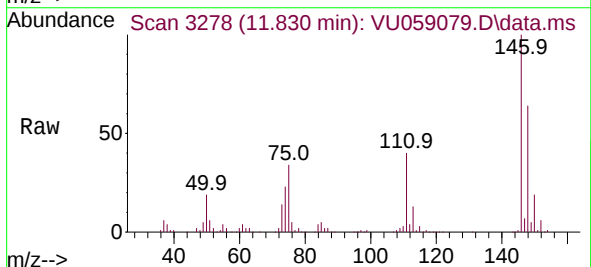
Tgt Ion:146 Resp: 174362

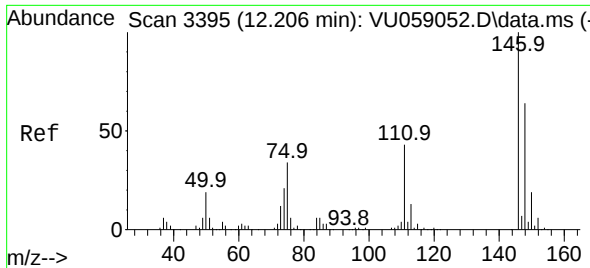
Ion Ratio Lower Upper

146 100

111 39.5 27.9 51.9

148 63.9 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 47.183 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

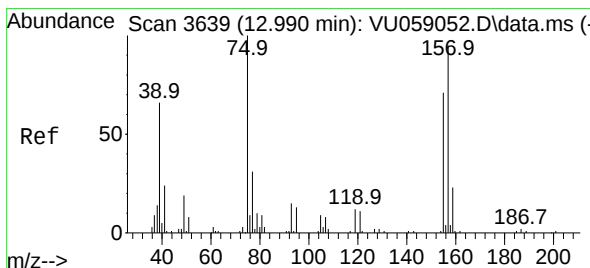
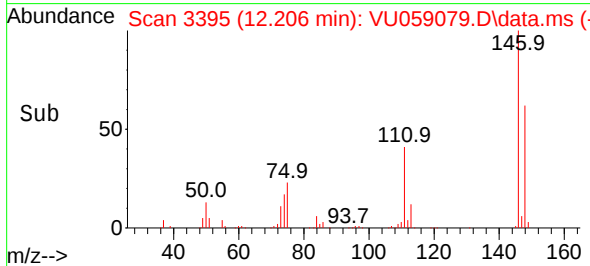
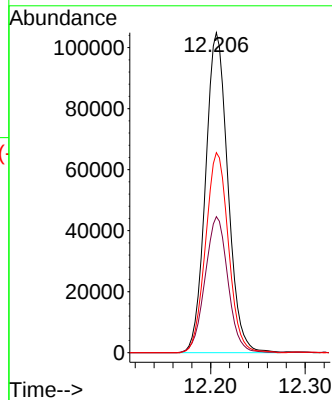
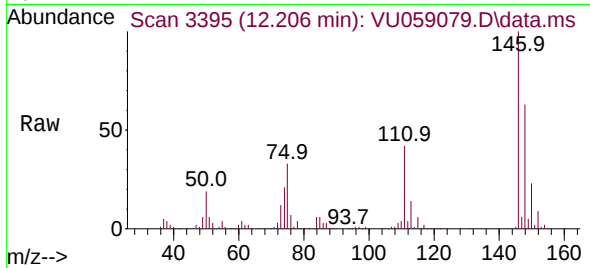
Tgt Ion:146 Resp: 172278

Ion Ratio Lower Upper

146 100

111 42.5 33.4 50.2

148 62.5 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 41.846 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

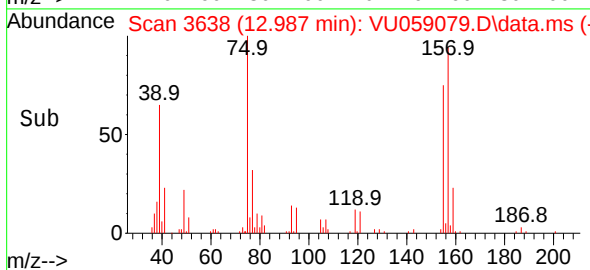
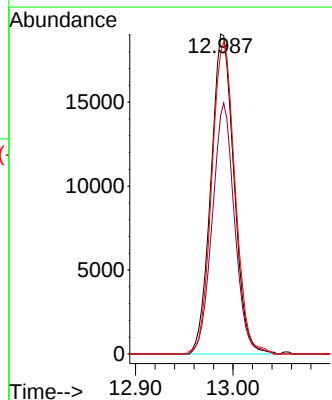
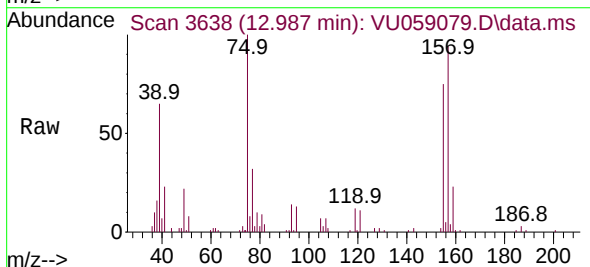
Tgt Ion: 75 Resp: 31343

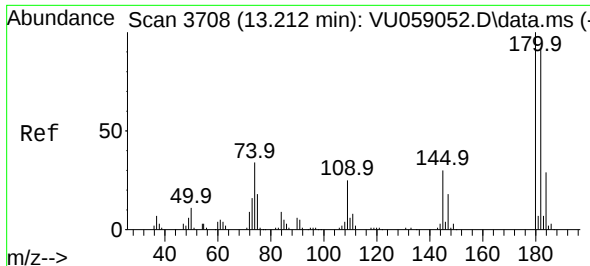
Ion Ratio Lower Upper

75 100

155 74.6 57.5 86.3

157 97.9 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 48.264 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 111352

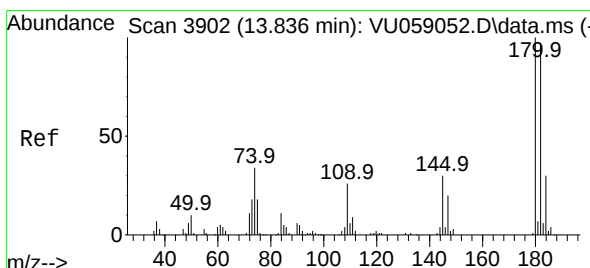
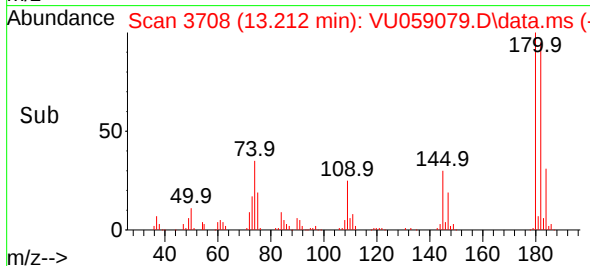
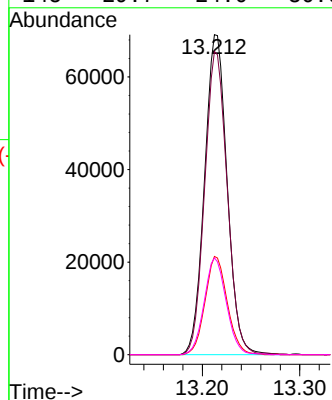
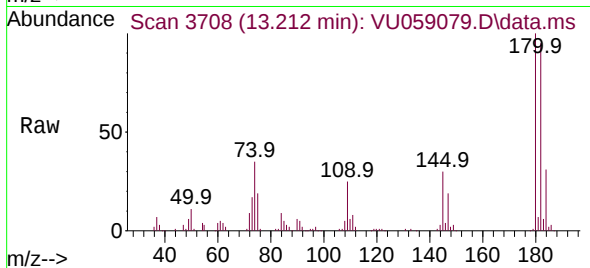
Ion Ratio Lower Upper

180 100

182 94.2 75.6 113.4

184 30.2 24.2 36.2

145 29.7 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 49.911 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU059079.D

Acq: 30 May 2024 08:49

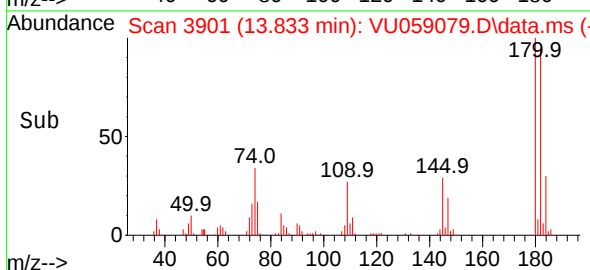
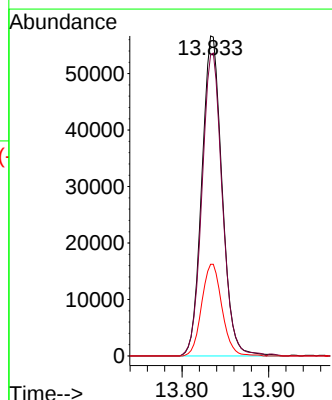
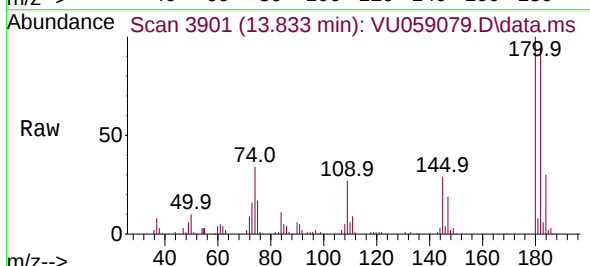
Tgt Ion:180 Resp: 91971

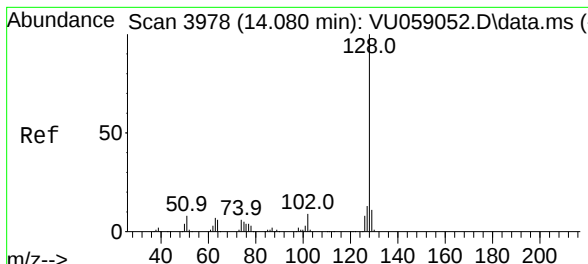
Ion Ratio Lower Upper

180 100

182 94.8 77.4 116.2

145 28.7 24.8 37.2

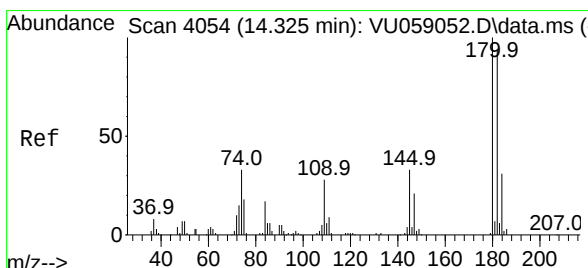
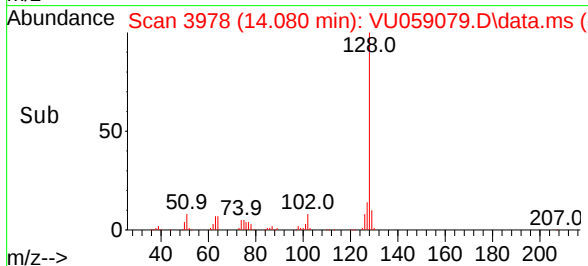
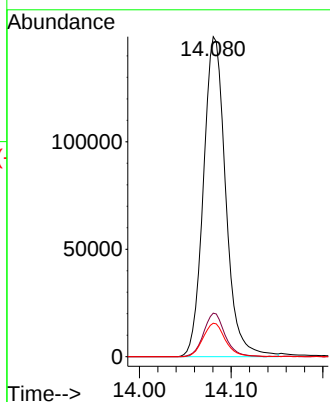
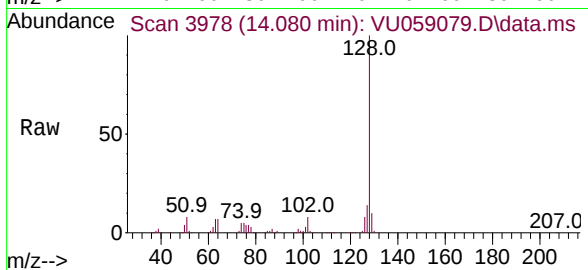




#71
Naphthalene
Concen: 43.084 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp: 251293
Ion Ratio	Lower Upper
128 100	
127 13.1	10.4 15.6
129 10.5	8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 50.632 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU059079.D
Acq: 30 May 2024 08:49

Tgt Ion:180	Resp: 94853
Ion Ratio	Lower Upper
180 100	
182 94.4	76.2 114.4
145 32.2	26.4 39.6

