

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022924\
 Data File : VU057966.D
 Acq On : 29 Feb 2024 10:06
 Operator : MD/SY
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 01 05:02:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 05:01:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	155842	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	146833	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70101	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	10065	1.100	ug/L	0.00
7) Chloroethane-d5	1.907	69	8846	1.156	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	4197	0.990	ug/L	0.00
20) 2-Butanone-d5	4.634	46	14958	8.938	ug/L	0.03
24) Chloroform-d	5.055	84	19123	1.045	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	8448	1.018	ug/L	0.00
32) Benzene-d6	5.721	84	38361	1.060	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	11195	1.021	ug/L	0.00
41) Toluene-d8	7.894	98	33291	0.974	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	3576	0.842	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	11586	8.461	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	6776	0.936	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	10715	1.055	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	9000	0.718	ug/L	99
3) Chloromethane	1.515	50	10794	0.837	ug/L	96
5) Vinyl chloride	1.599	62	11506	0.835	ug/L	99
6) Bromomethane	1.853	94	6221	0.861	ug/L	98
8) Chloroethane	1.930	64	7206	0.859	ug/L	90
9) Trichlorofluoromethane	2.133	101	17067	0.842	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	10803	0.907	ug/L	95
12) 1,1-Dichloroethene	2.576	96	9206	0.834	ug/L	94
13) Acetone	2.618	43	12352	8.068	ug/L	97
14) Carbon disulfide	2.788	76	28459	0.804	ug/L	99
15) Methyl Acetate	2.952	43	2902	0.747	ug/L #	81
16) Methylene chloride	3.039	84	11878	0.997	ug/L	96
17) Methyl tert-butyl Ether	3.354	73	21009	0.807	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	9991	0.860	ug/L	95
19) 1,1-Dichloroethane	3.862	63	19886	0.910	ug/L	98
21) 2-Butanone	4.708	43	17478	7.295	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	10907	0.868	ug/L	93
23) Bromochloromethane	4.968	128	3982	0.801	ug/L #	93
25) Chloroform	5.081	83	20951	0.914	ug/L	99
27) 1,2-Dichloroethane	5.785	62	11628	0.877	ug/L	99
29) 1,1,1-Trichloroethane	5.303	97	17323	0.829	ug/L	99
30) Cyclohexane	5.380	56	16844	0.827	ug/L	98
31) Carbon tetrachloride	5.515	117	14135	0.772	ug/L	96
33) Benzene	5.769	78	43584	0.880	ug/L	100
34) Trichloroethene	6.538	95	11610	0.857	ug/L	97
35) Methylcyclohexane	6.756	83	17180	0.788	ug/L	99
37) 1,2-Dichloropropane	6.788	63	10983	0.881	ug/L #	97
38) Bromodichloromethane	7.100	83	13315	0.809	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	14340	0.756	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	48199	8.102	ug/L	99
42) Toluene	7.965	91	43970	0.829	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	10958	0.716	ug/L	100

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

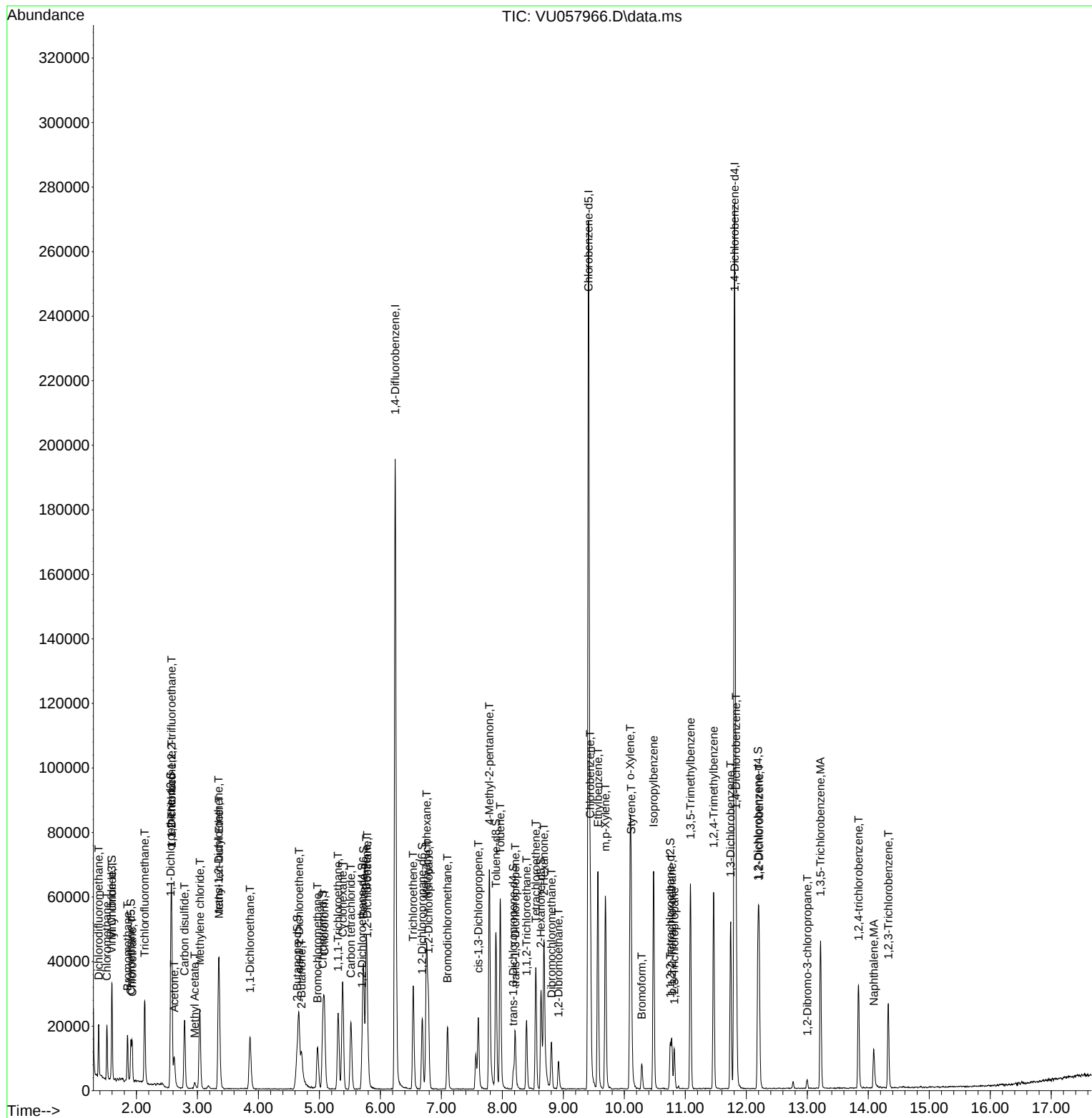
45) 1,1,2-Trichloroethane	8.396	97	6575	0.826	ug/L	95
47) Tetrachloroethene	8.547	164	8260	0.841	ug/L	98
48) 2-Hexanone	8.682	43	32438	7.714	ug/L	99
49) Dibromochloromethane	8.804	129	7466	0.733	ug/L	94
50) 1,2-Dibromoethane	8.920	107	5786	0.758	ug/L #	89
51) Chlorobenzene	9.441	112	28656	0.864	ug/L	94
52) Ethylbenzene	9.566	91	48905	0.821	ug/L	99
53) m,p-Xylene	9.689	106	17167	0.780	ug/L	98
54) o-Xylene	10.097	106	17873	0.836	ug/L	95
55) Styrene	10.113	104	25581	0.774	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	7769	0.808	ug/L	99
59) Bromoform	10.283	173	3543	0.670	ug/L #	95
60) Isopropylbenzene	10.479	105	43904	0.819	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	5755	0.845	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	35641	0.757	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	34796	0.739	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	21209	0.874	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	20259	0.867	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	17985	0.831	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.000	75	1051	0.830	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.216	180	15038	0.853	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	9769	0.748	ug/L	97
71) Naphthalene	14.090	128	12729	0.694	ug/L	95
72) 1,2,3-Trichlorobenzene	14.328	180	8149	0.800	ug/L	97

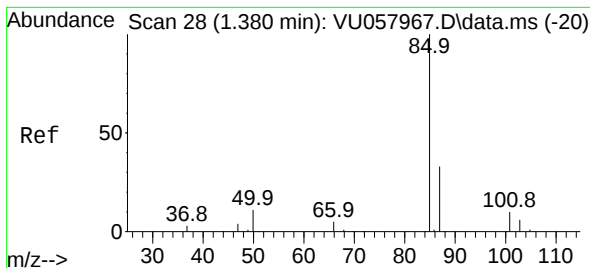
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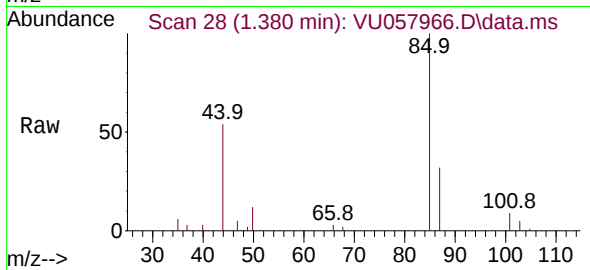
Quant Time: Mar 01 05:02:47 2024
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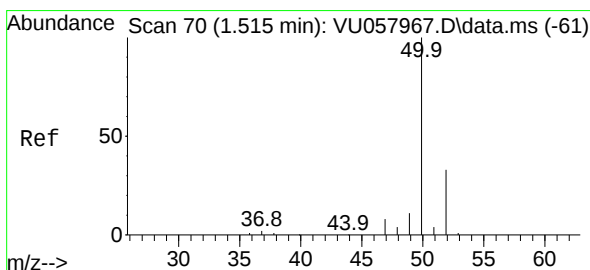
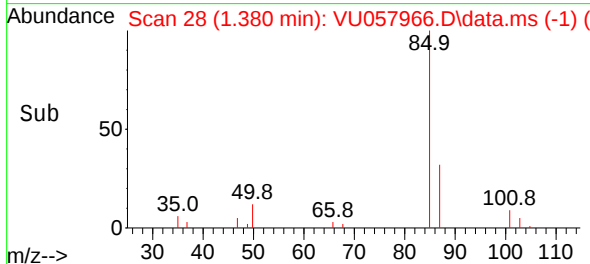
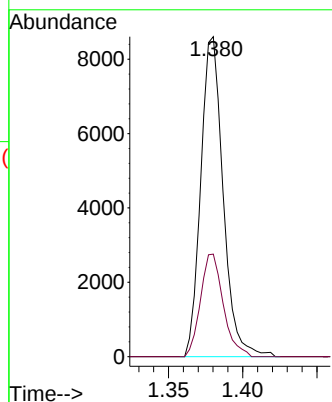


#2
 Dichlorodifluoromethane
 Concen: 0.718 ug/L
 RT: 1.380 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VU057966.D
 Acq: 29 Feb 2024 10:06

Instrument :
 MSVOA_U
 ClientSampleId :

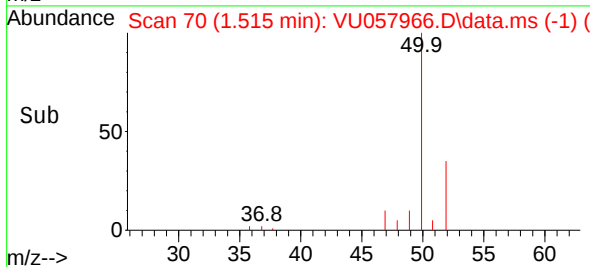
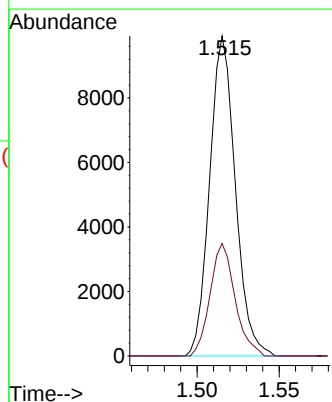
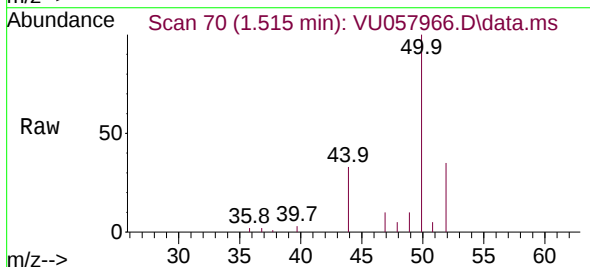


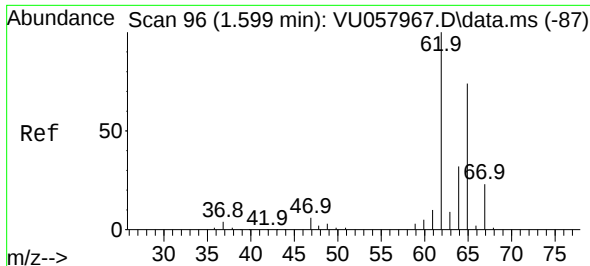
Tgt Ion: 85 Resp: 9000
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.6



#3
 Chloromethane
 Concen: 0.837 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057966.D
 Acq: 29 Feb 2024 10:06

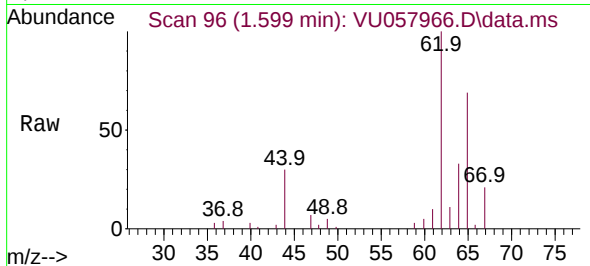
Tgt Ion: 50 Resp: 10794
 Ion Ratio Lower Upper
 50 100
 52 35.1 23.1 42.9



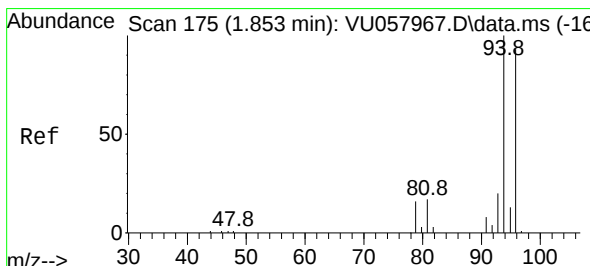
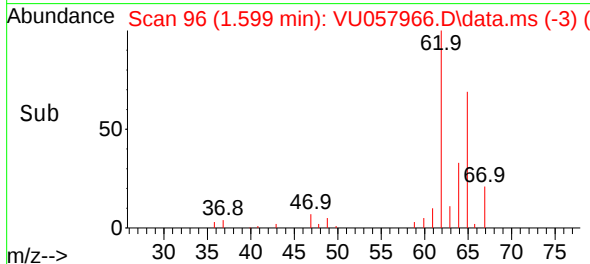
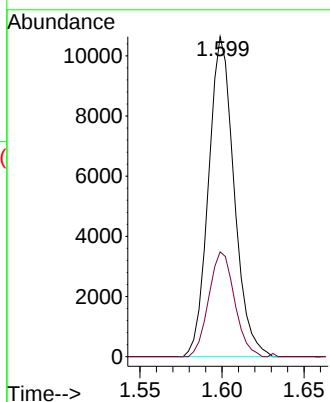


#5
 Vinyl chloride
 Concen: 0.835 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VU057966.D
 Acq: 29 Feb 2024 10:06

Instrument :
 MSVOA_U
 ClientSampleId :

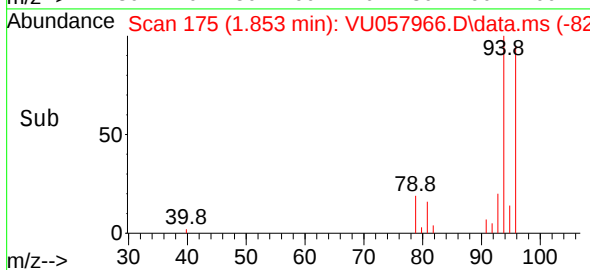
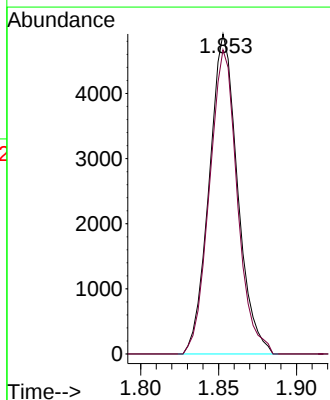
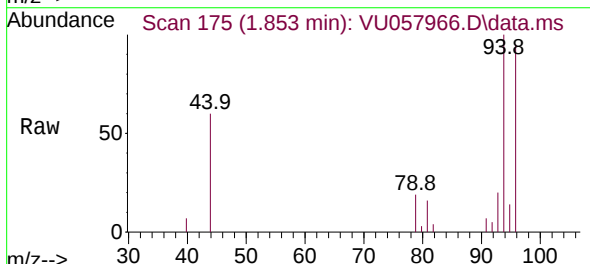


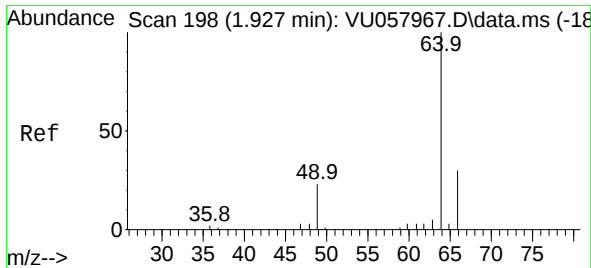
Tgt Ion: 62 Resp: 11506
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.5 41.7



#6
 Bromomethane
 Concen: 0.861 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU057966.D
 Acq: 29 Feb 2024 10:06

Tgt Ion: 94 Resp: 6221
 Ion Ratio Lower Upper
 94 100
 96 95.1 65.2 121.2

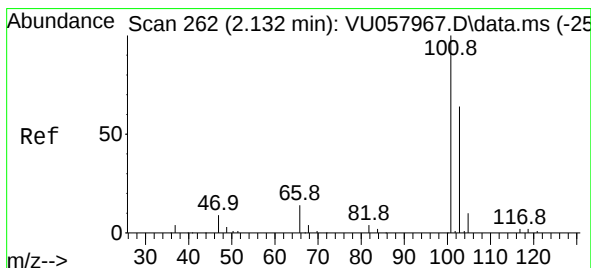
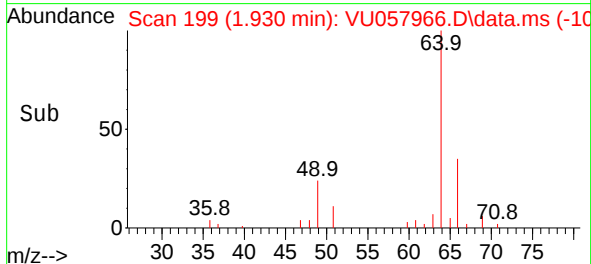
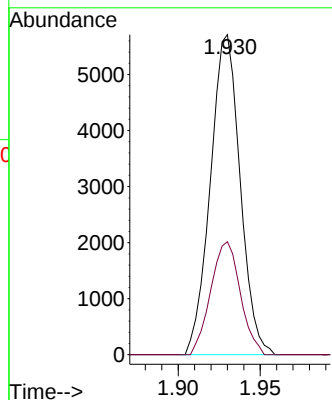
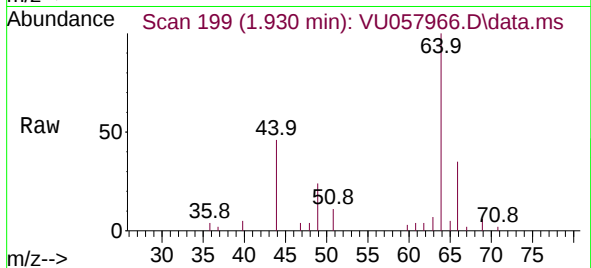




#8
Chloroethane
Concen: 0.859 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

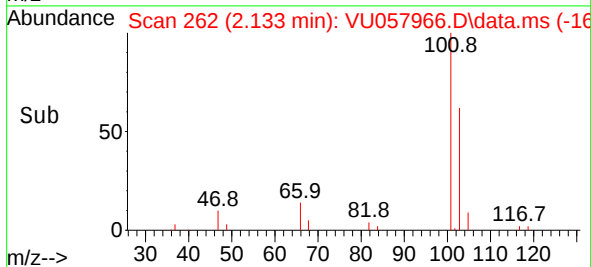
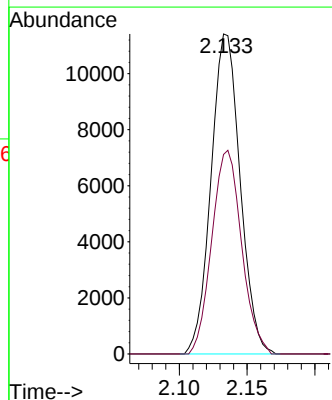
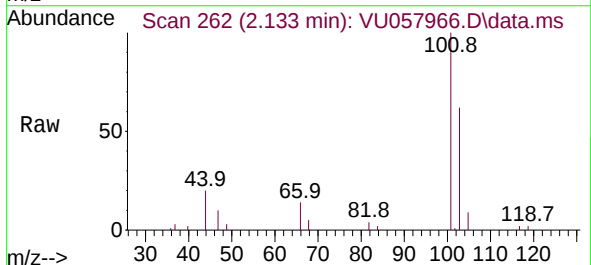
Instrument :
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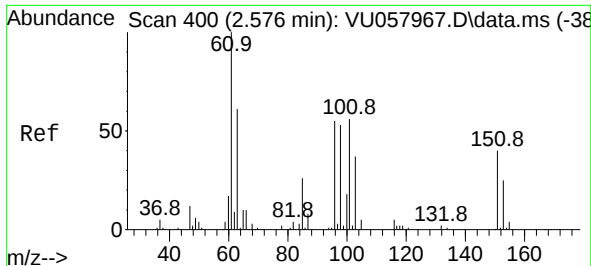
Tgt Ion: 64 Resp: 7206
Ion Ratio Lower Upper
64 100
66 35.3 20.9 38.9



#9
Trichlorofluoromethane
Concen: 0.842 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion:101 Resp: 17067
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.2

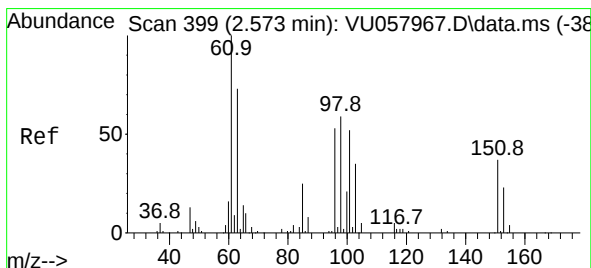
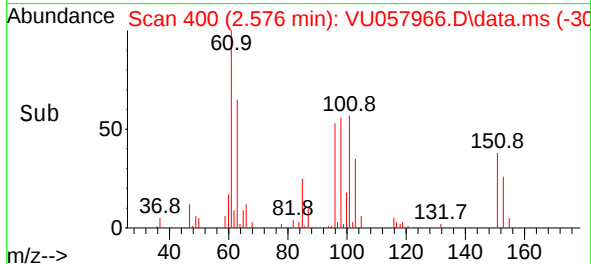
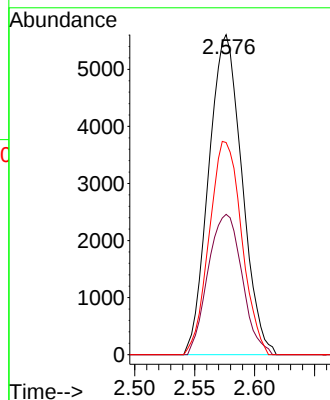
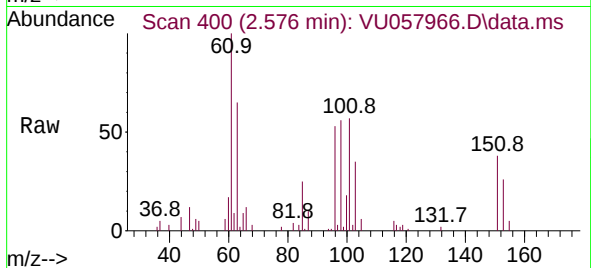




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.907 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

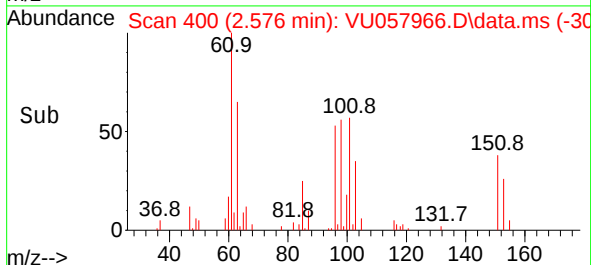
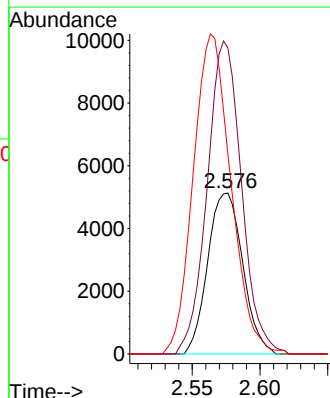
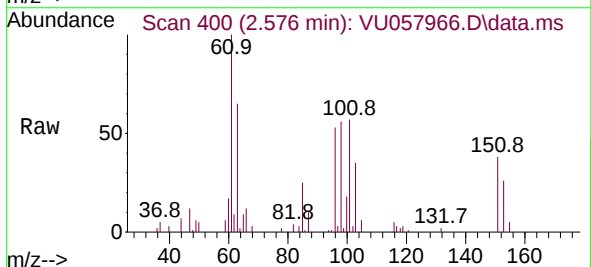
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ClientSampleId :

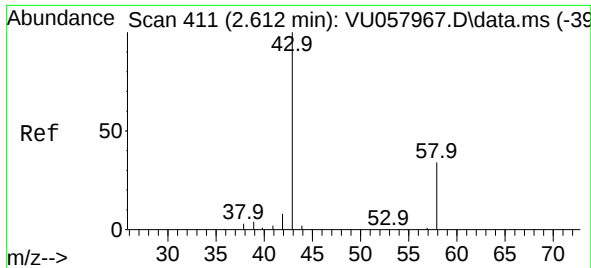
Tgt Ion:101 Resp: 10803
Ion Ratio Lower Upper
101 100
85 44.8 37.3 55.9
151 65.1 56.0 84.0



#12
1,1-Dichloroethene
Concen: 0.834 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion: 96 Resp: 9206
Ion Ratio Lower Upper
96 100
61 190.2 131.8 244.8
63 124.2 98.1 182.1





#13

Acetone

Concen: 8.068 ug/L

RT: 2.618 min Scan# 411

Delta R.T. 0.007 min

Lab File: VU057966.D

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Instrument :

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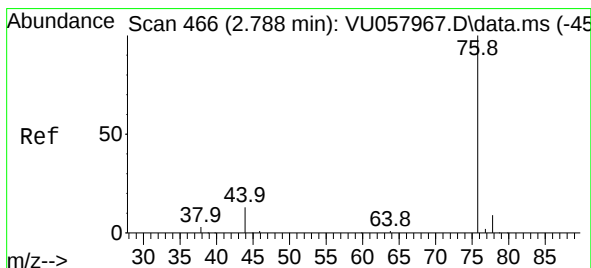
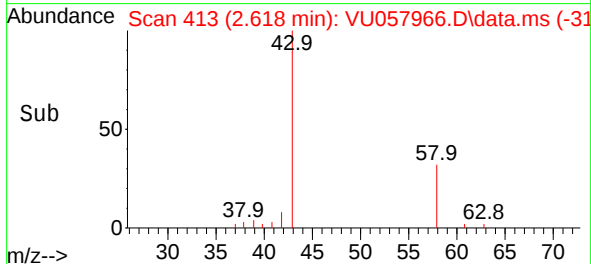
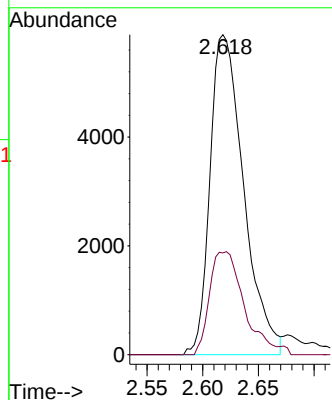
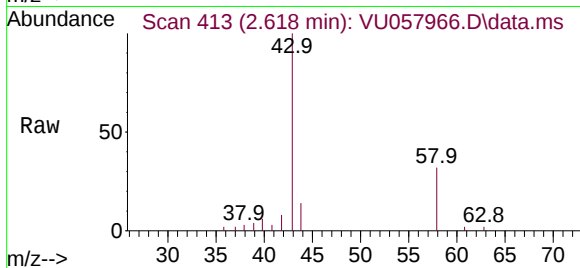
ClientSampleId :

Tgt Ion: 43 Resp: 12352

Ion Ratio Lower Upper

43 100

58 33.4 0.0 63.6



#14

Carbon disulfide

Concen: 0.804 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057966.D

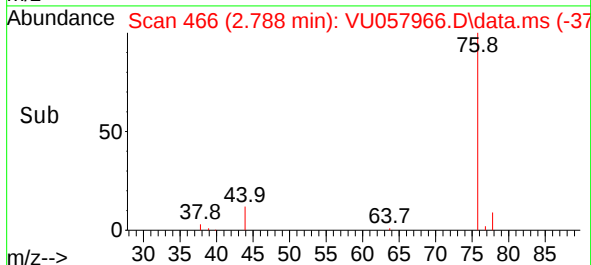
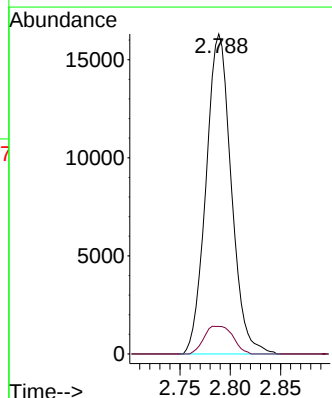
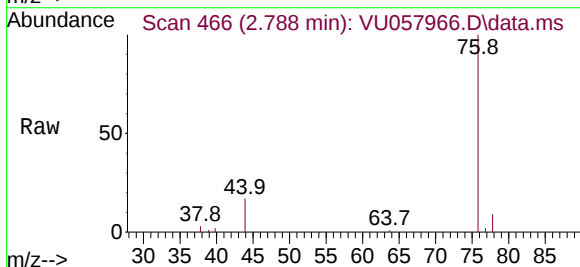
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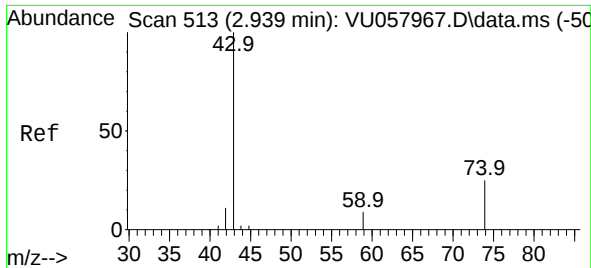
Tgt Ion: 76 Resp: 28459

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9





#15

Methyl Acetate

Concen: 0.747 ug/L

RT: 2.952 min Scan# 513

Delta R.T. 0.013 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

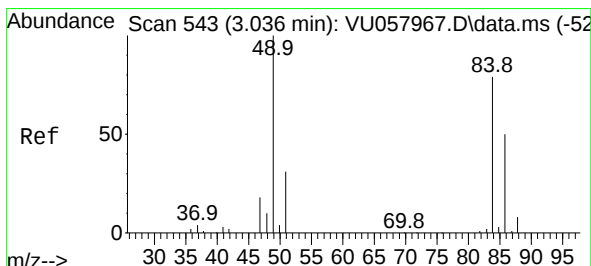
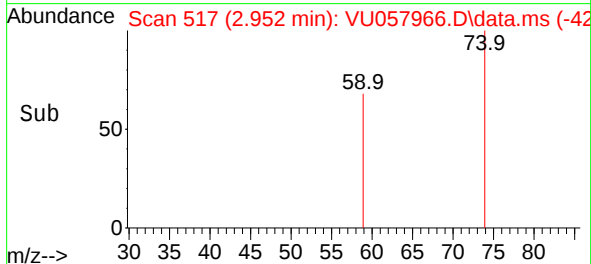
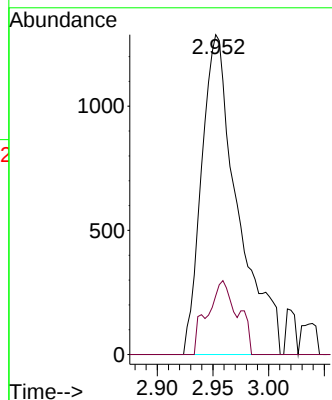
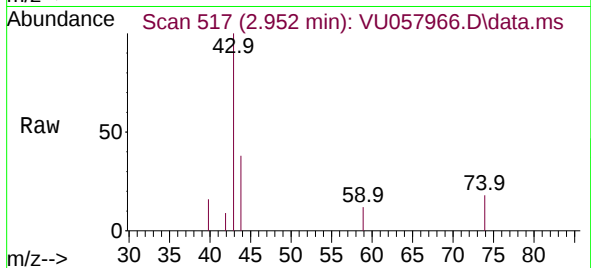
ClientSampleId :

Tgt Ion: 43 Resp: 2902

Ion Ratio Lower Upper

43 100

74 16.2 20.6 31.0#



#16

Methylene chloride

Concen: 0.997 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

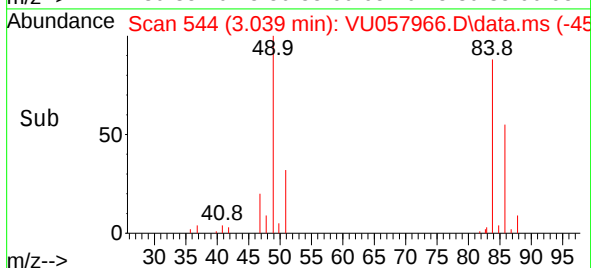
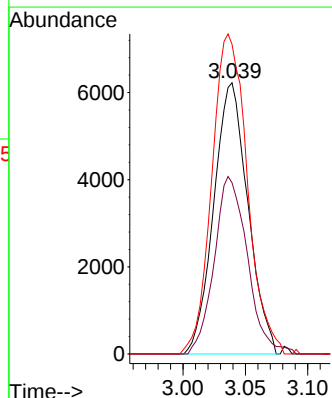
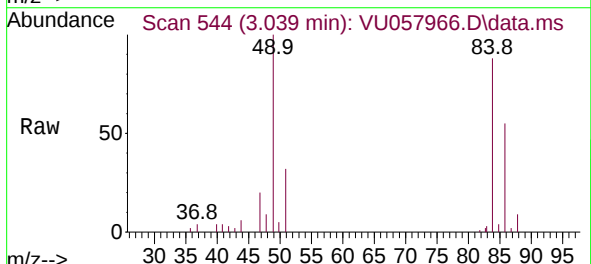
Tgt Ion: 84 Resp: 11878

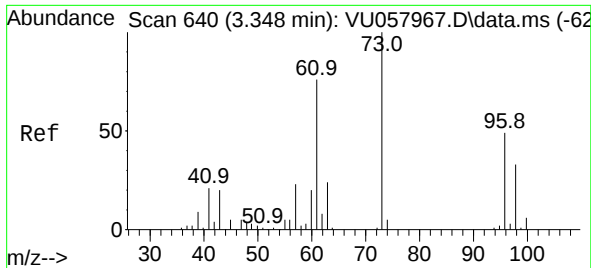
Ion Ratio Lower Upper

84 100

86 63.1 44.4 82.4

49 120.0 88.8 165.0

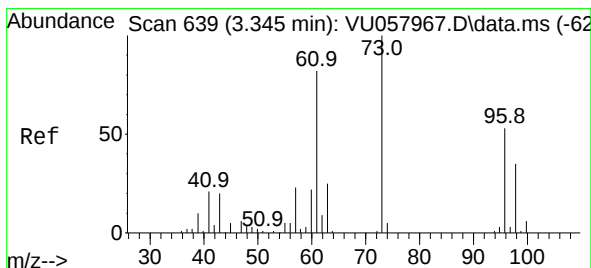
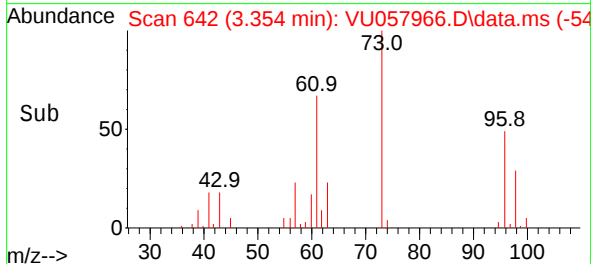
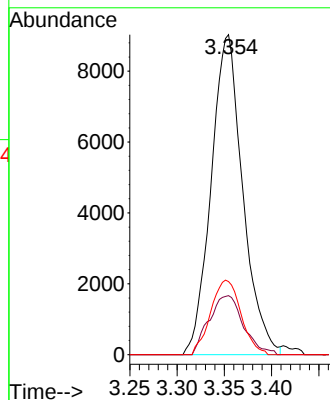
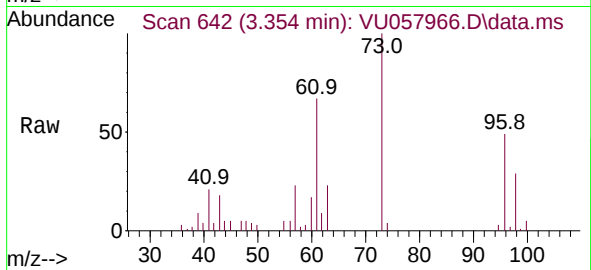




#17
Methyl tert-butyl Ether
Concen: 0.807 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.007 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

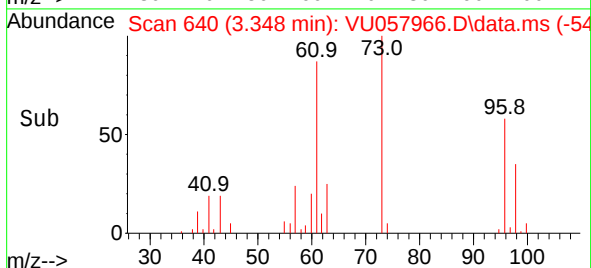
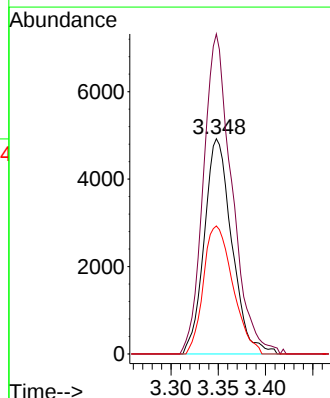
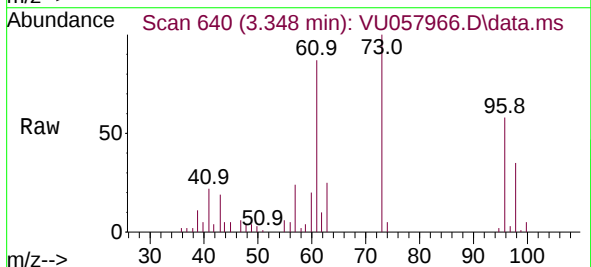
Instrument :
MSVOA_U
ClientSampleId :

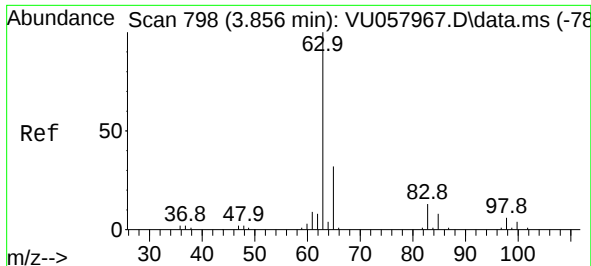
Tgt Ion: 73 Resp: 21009
Ion Ratio Lower Upper
73 100
43 20.1 16.2 24.4
57 22.3 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 0.860 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

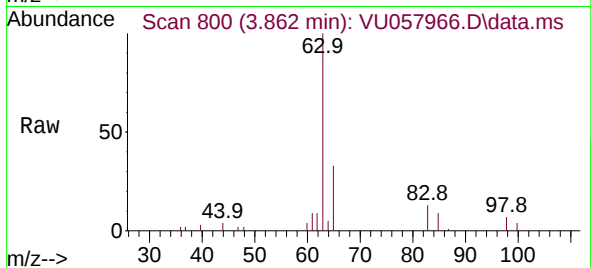
Tgt Ion: 96 Resp: 9991
Ion Ratio Lower Upper
96 100
61 148.8 107.7 199.9
98 59.5 45.8 85.0



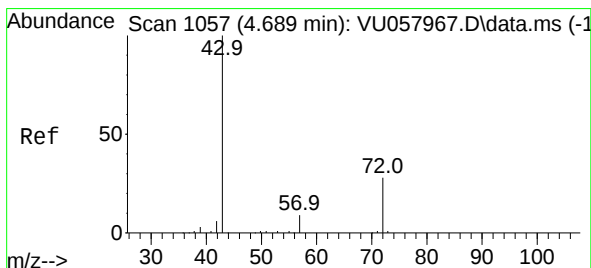
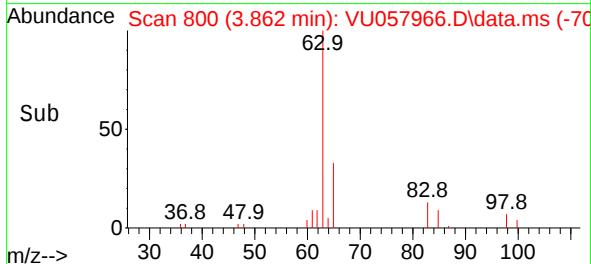
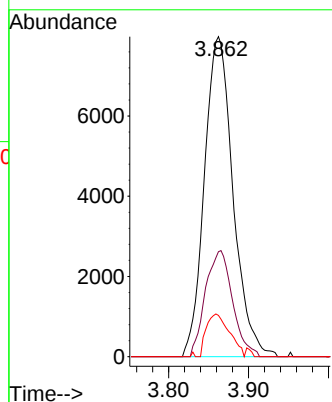


#19
1,1-Dichloroethane
Concen: 0.910 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.007 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Instrument :
MSVOA_U
ClientSampleId :

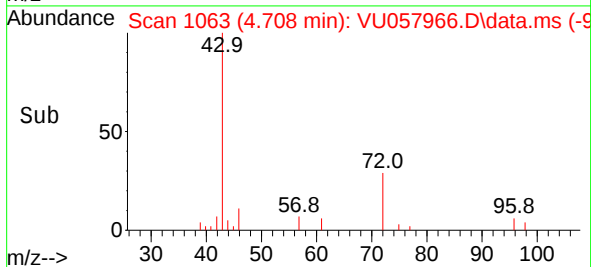
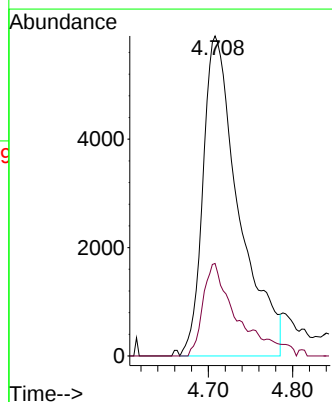
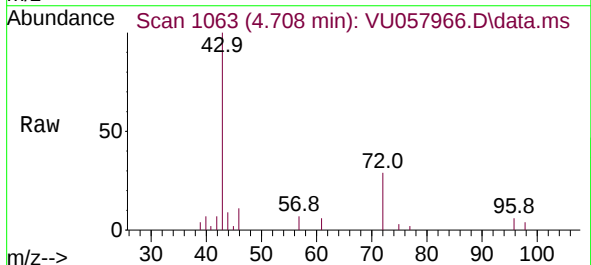


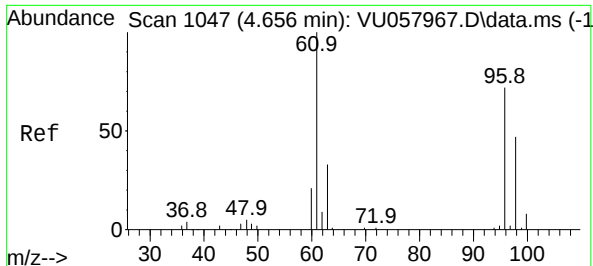
Tgt Ion: 63 Resp: 19886
Ion Ratio Lower Upper
63 100
65 32.8 22.1 41.1
83 12.9 9.0 16.6



#21
2-Butanone
Concen: 7.295 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.019 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

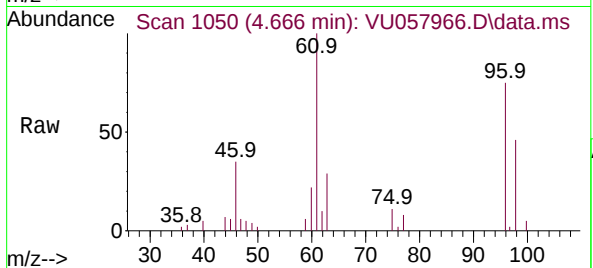
Tgt Ion: 43 Resp: 17478
Ion Ratio Lower Upper
43 100
72 27.7 13.0 39.0



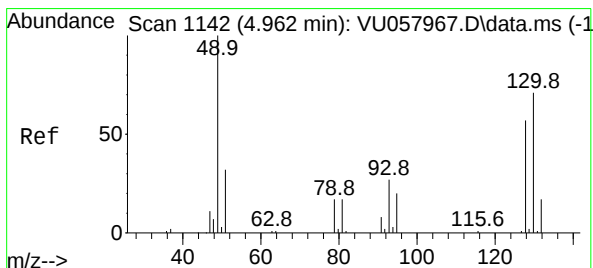
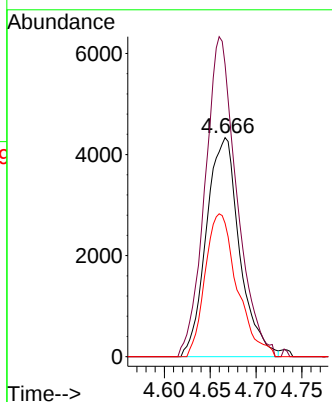
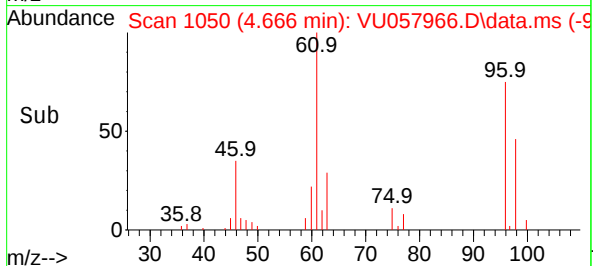


#22
cis-1,2-Dichloroethene
Concen: 0.868 ug/L
RT: 4.666 min Scan# 1050
Delta R.T. 0.010 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Instrument :
MSVOA_U
ClientSampleId :

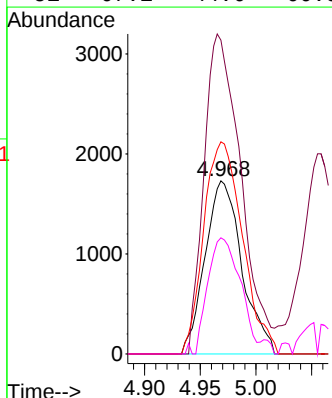
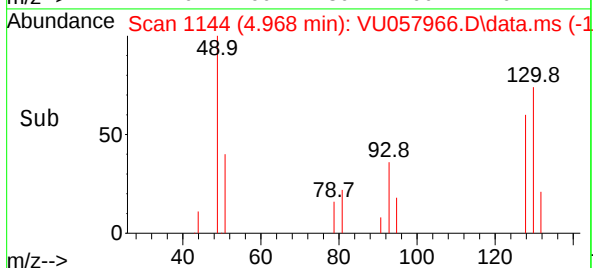
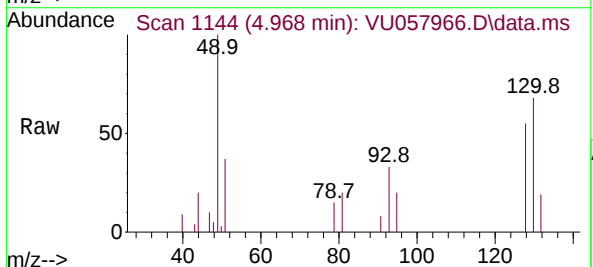


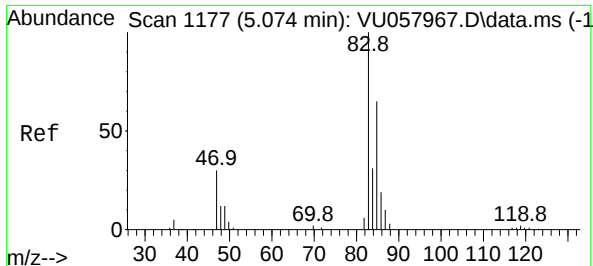
Tgt Ion: 96 Resp: 10907
Ion Ratio Lower Upper
96 100
61 130.2 97.2 180.4
98 59.5 45.5 84.5



#23
Bromochloromethane
Concen: 0.801 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.007 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion: 128 Resp: 3982
Ion Ratio Lower Upper
128 100
49 187.5 122.0 226.6
130 122.6 86.6 160.8
51 67.1 44.6 66.8#





#25

Chloroform

Concen: 0.914 ug/L

RT: 5.081 min Scan# 1177

Delta R.T. 0.007 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

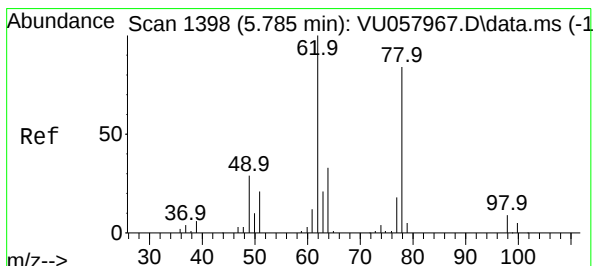
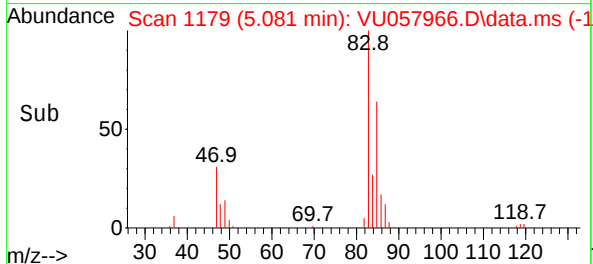
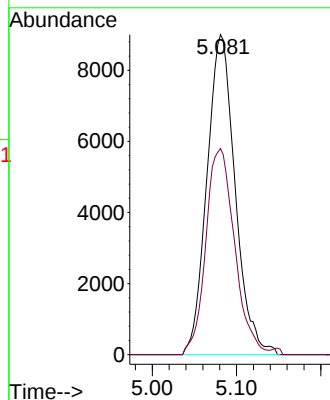
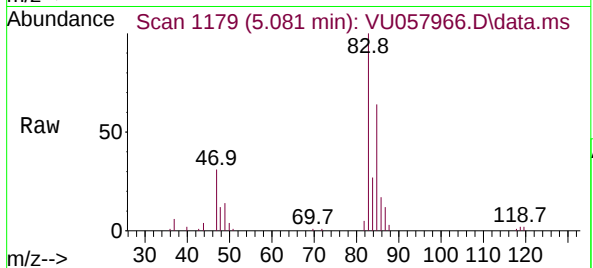
ClientSampleId :

Tgt Ion: 83 Resp: 20951

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 0.877 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU057966.D

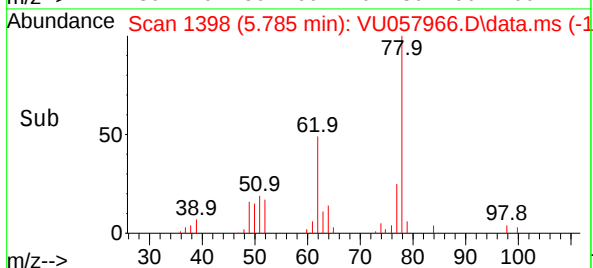
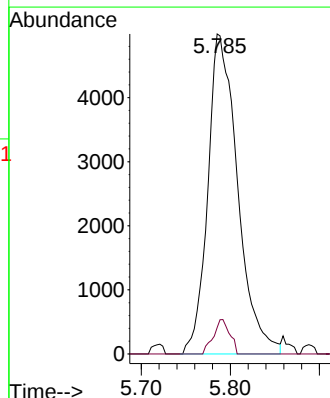
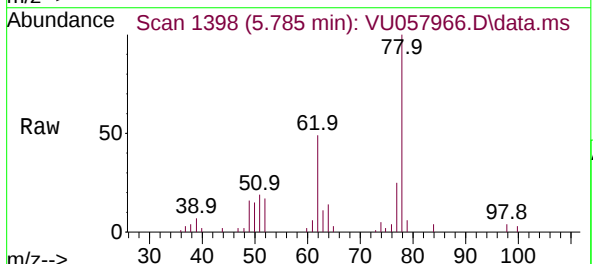
Acq: 29 Feb 2024 10:06

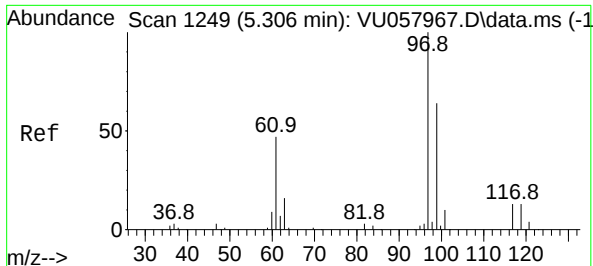
Tgt Ion: 62 Resp: 11628

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.4

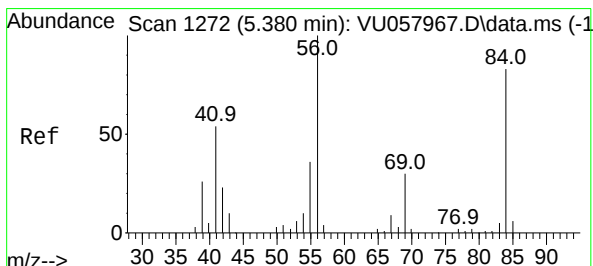
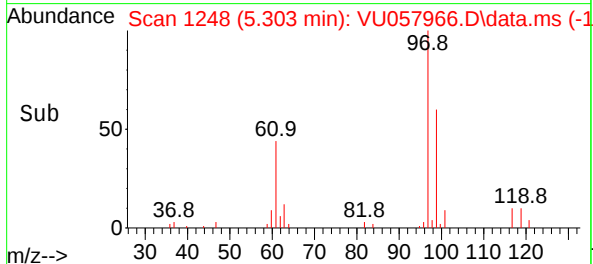
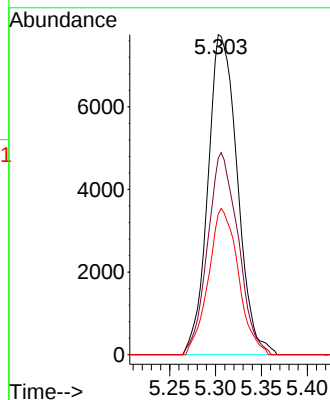
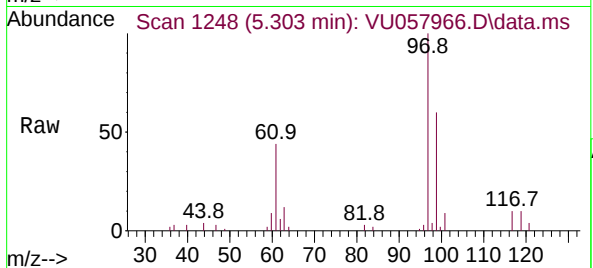




#29
1,1,1-Trichloroethane
Concen: 0.829 ug/L
RT: 5.303 min Scan# 1248
Delta R.T. -0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

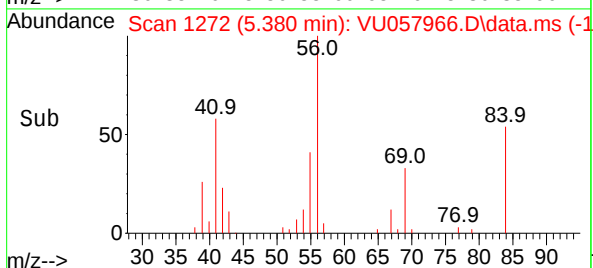
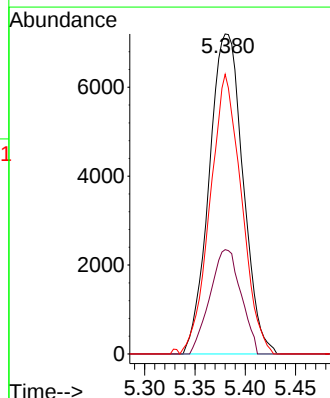
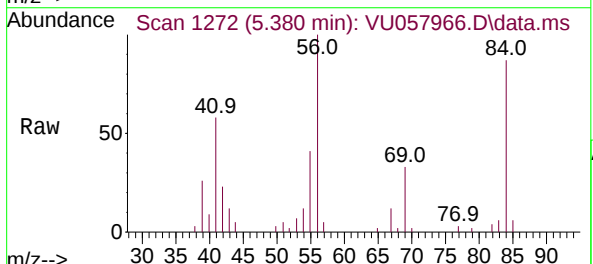
Instrument :
MSVOA_U
ClientSampleId :

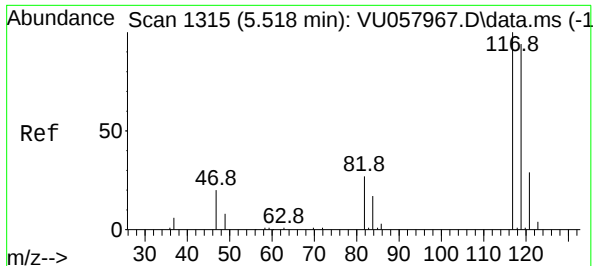
Tgt Ion: 97	Resp: 17323
Ion Ratio	Lower Upper
97 100	
99 65.2	51.2 76.8
61 46.4	37.4 56.2



#30
Cyclohexane
Concen: 0.827 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion: 56	Resp: 16844
Ion Ratio	Lower Upper
56 100	
69 29.9	24.2 36.2
84 81.1	66.6 99.8

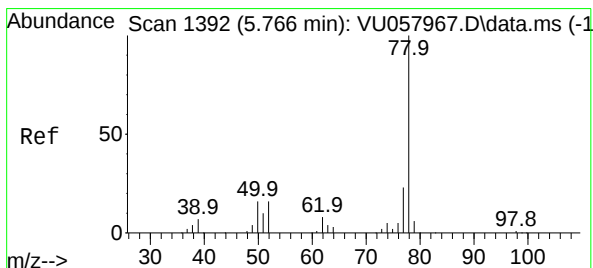
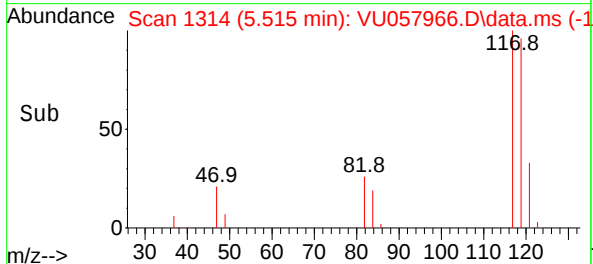
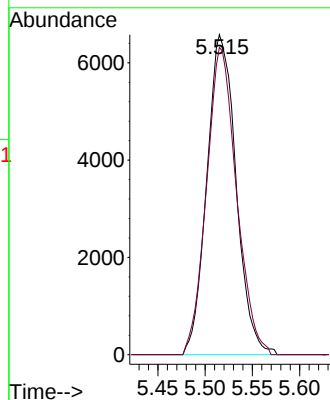
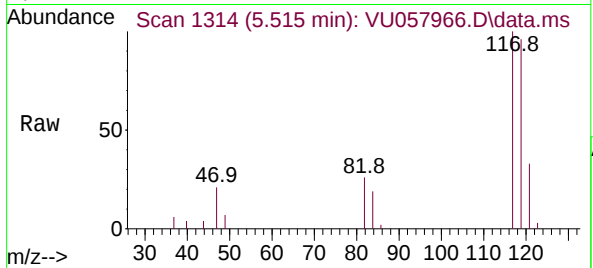




#31
Carbon tetrachloride
Concen: 0.772 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

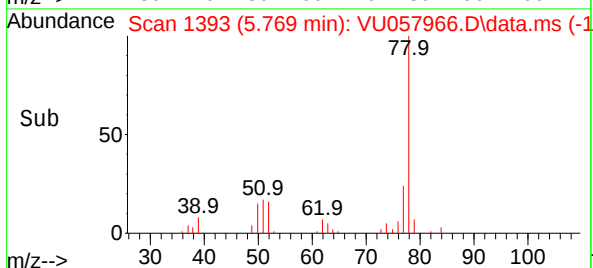
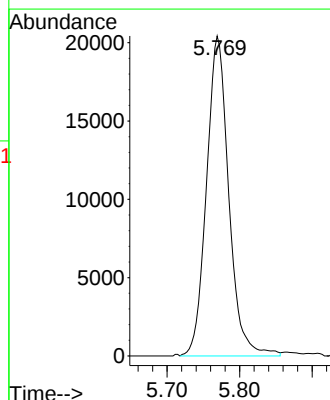
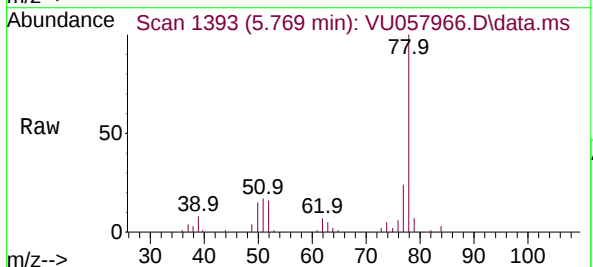
Instrument :
MSVOA_U
ClientSampleId :

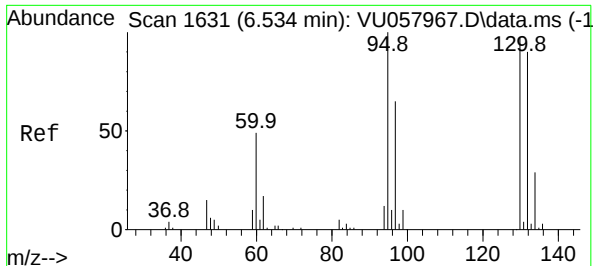
Tgt Ion:117 Resp: 14135
Ion Ratio Lower Upper
117 100
119 98.5 75.8 113.8



#33
Benzene
Concen: 0.880 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion: 78 Resp: 43584





#34

Trichloroethene

Concen: 0.857 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 11610

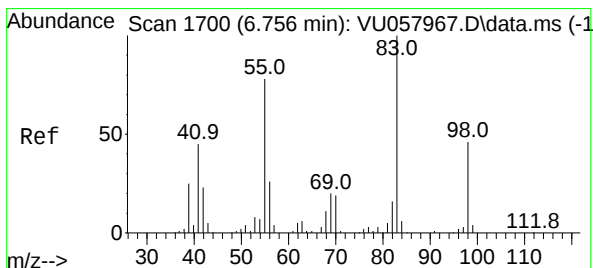
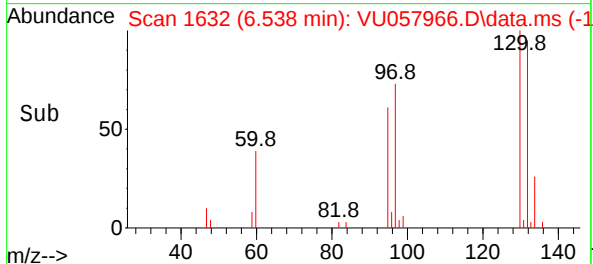
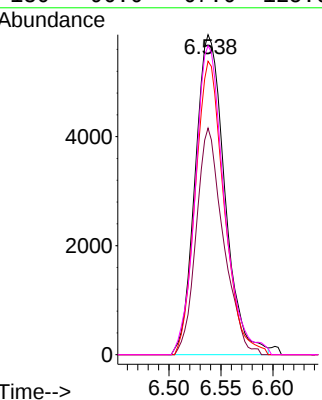
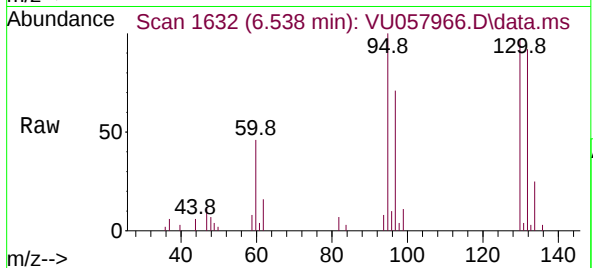
Ion Ratio Lower Upper

95 100

97 70.8 45.3 84.1

132 91.7 63.1 117.1

130 96.6 67.6 125.6



#35

Methylcyclohexane

Concen: 0.788 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

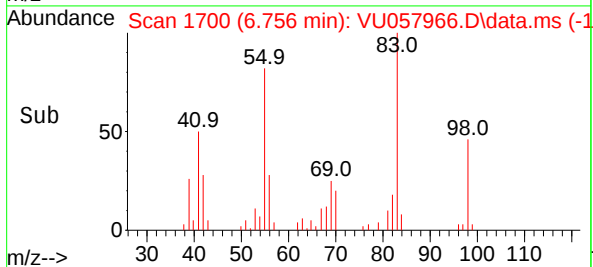
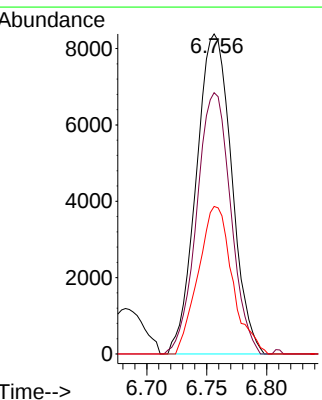
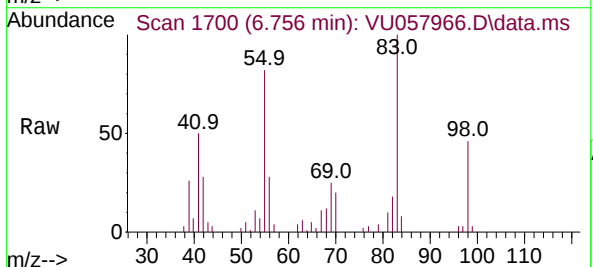
Tgt Ion: 83 Resp: 17180

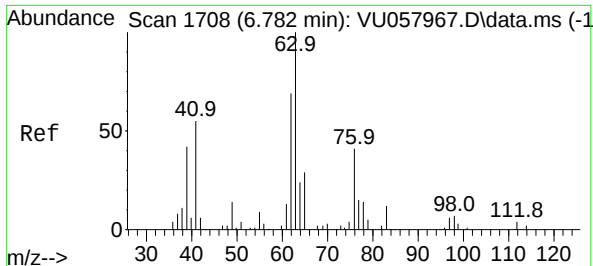
Ion Ratio Lower Upper

83 100

55 78.5 63.0 94.6

98 44.6 36.2 54.4

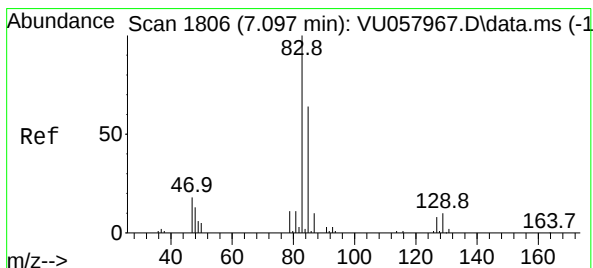
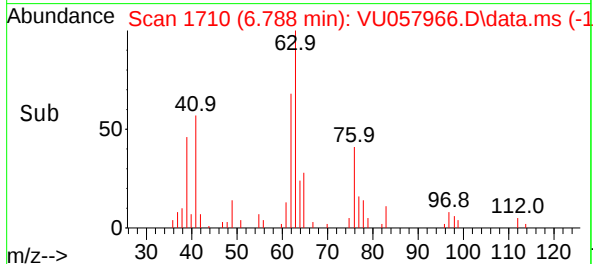
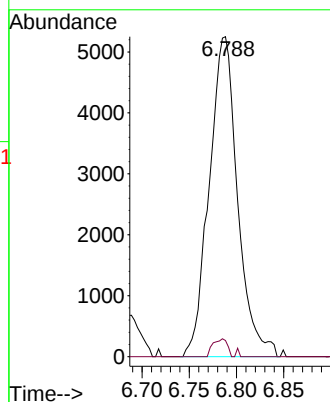
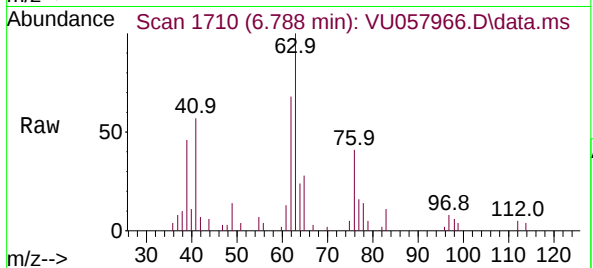




#37
1,2-Dichloropropane
Concen: 0.881 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

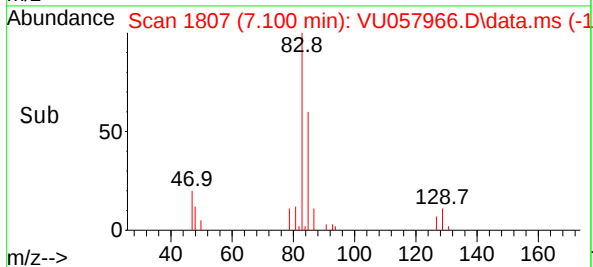
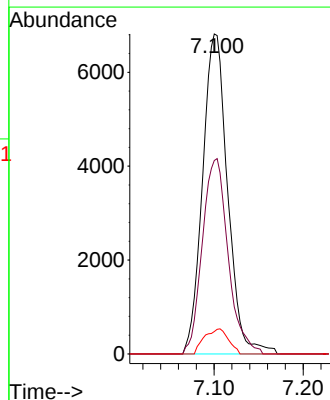
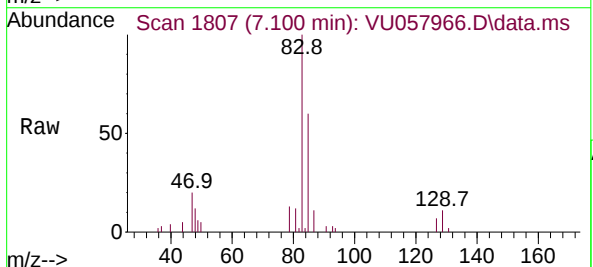
Instrument :
MSVOA_U
ClientSampleId :

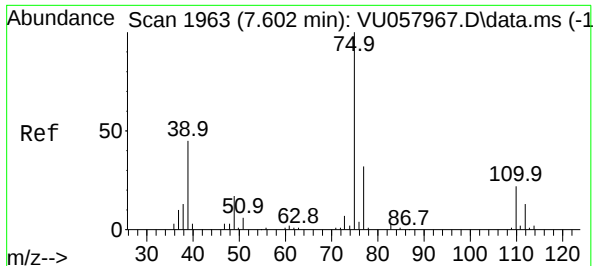
Tgt Ion: 63 Resp: 10983
Ion Ratio Lower Upper
63 100
112 2.8 3.0 4.4#



#38
Bromodichloromethane
Concen: 0.809 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion: 83 Resp: 13315
Ion Ratio Lower Upper
83 100
85 60.5 44.5 82.7
127 7.0 6.6 9.8

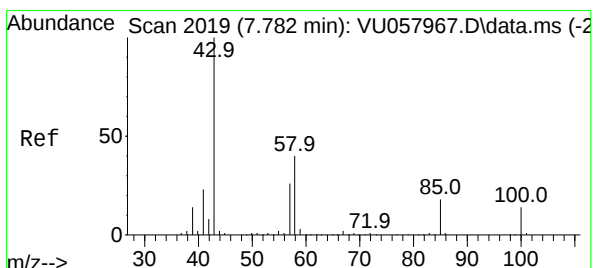
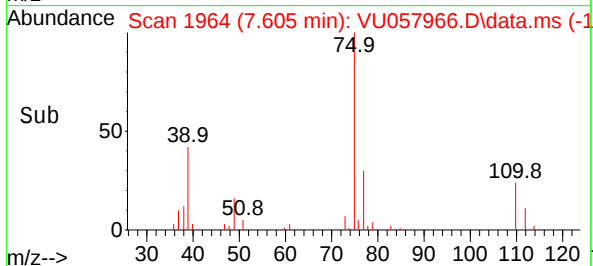
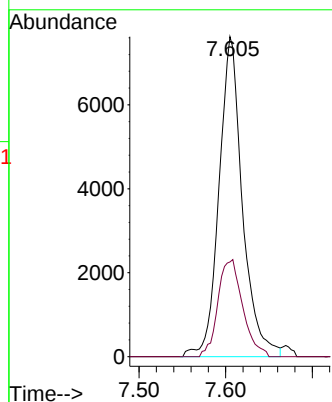
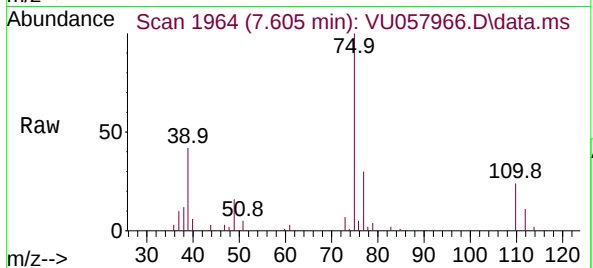




#39
 cis-1,3-Dichloropropene
 Concen: 0.756 ug/L
 RT: 7.605 min Scan# 1963
 Delta R.T. 0.003 min
 Lab File: VU057966.D
 Acq: 29 Feb 2024 10:06

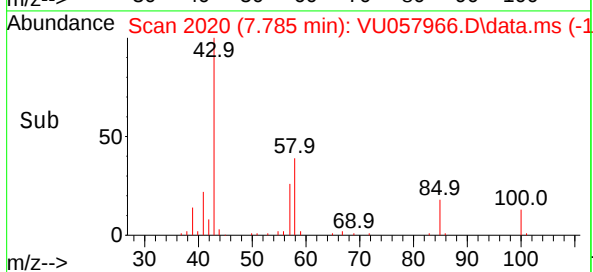
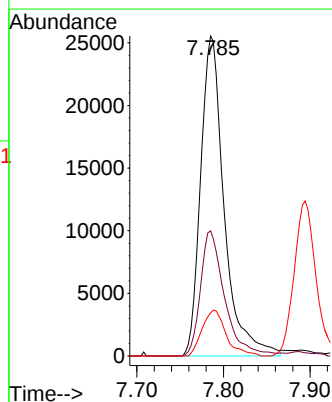
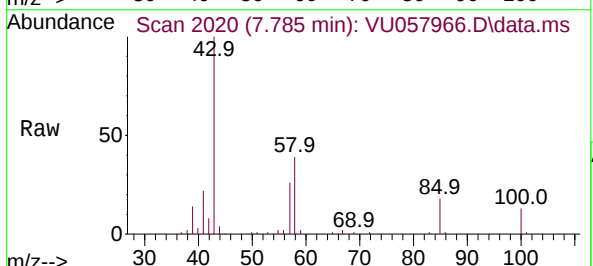
Instrument :
 MSVOA_U
 ClientSampleId :

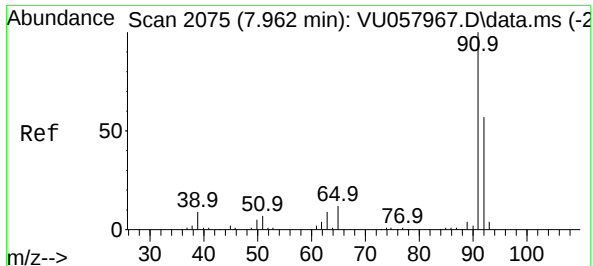
Tgt Ion: 75 Resp: 14340
 Ion Ratio Lower Upper
 75 100
 77 29.6 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 8.102 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.003 min
 Lab File: VU057966.D
 Acq: 29 Feb 2024 10:06

Tgt Ion: 43 Resp: 48199
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.7 47.5
 100 14.6 11.3 16.9





#42

Toluene

Concen: 0.829 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

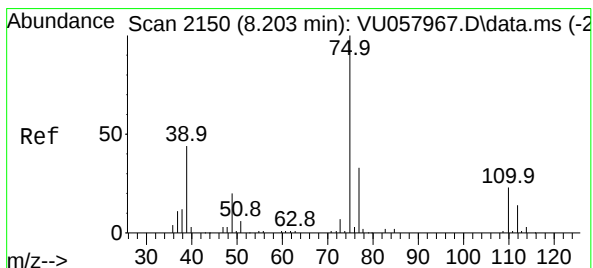
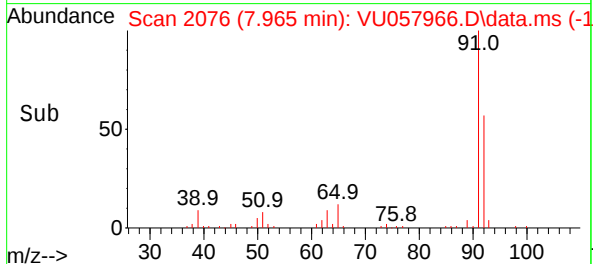
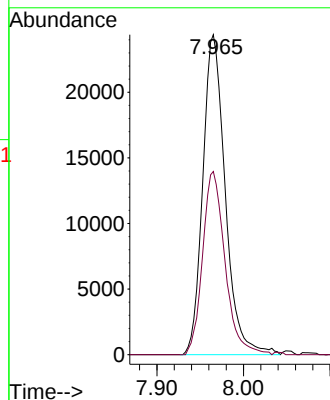
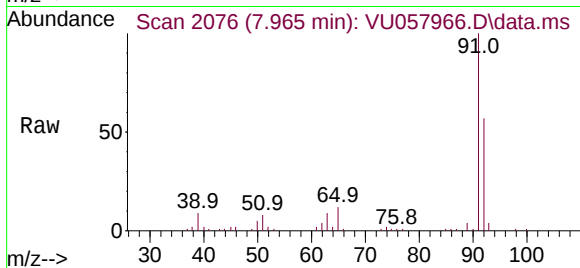
ClientSampleId :

Tgt Ion: 91 Resp: 43970

Ion Ratio Lower Upper

91 100

92 57.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.716 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU057966.D

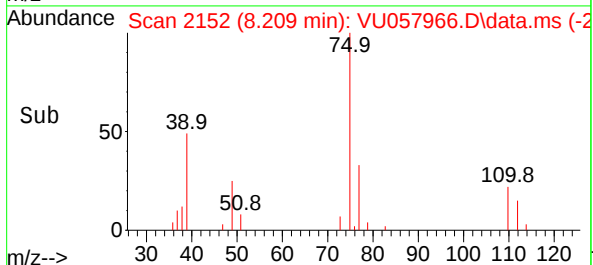
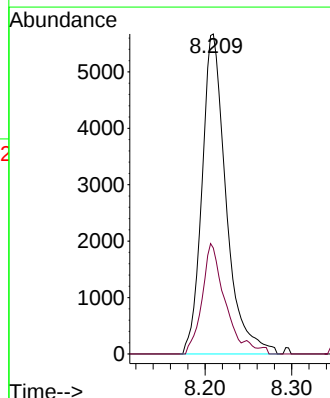
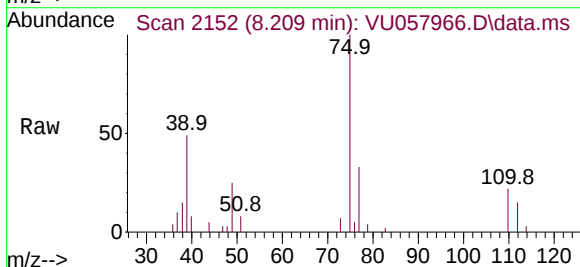
Acq: 29 Feb 2024 10:06

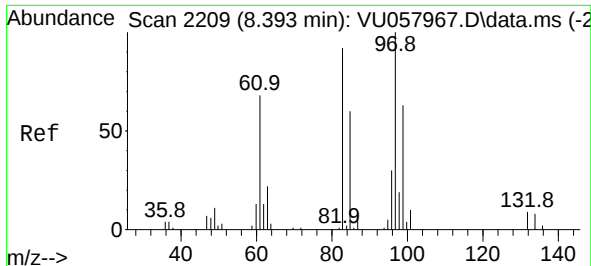
Tgt Ion: 75 Resp: 10958

Ion Ratio Lower Upper

75 100

77 33.1 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 0.826 ug/L

RT: 8.396 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 6575

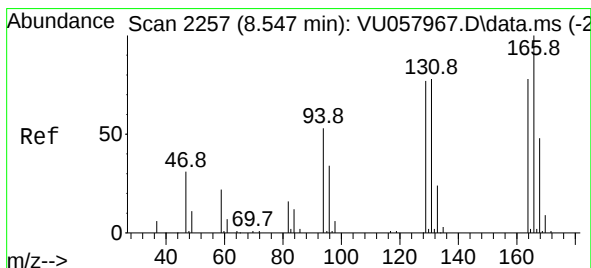
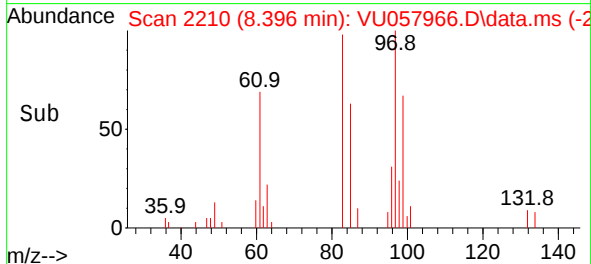
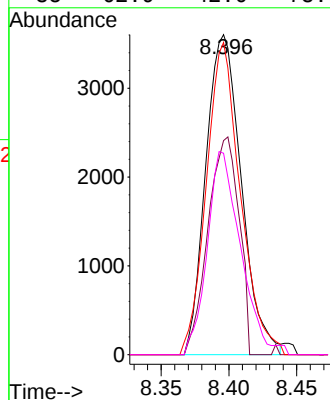
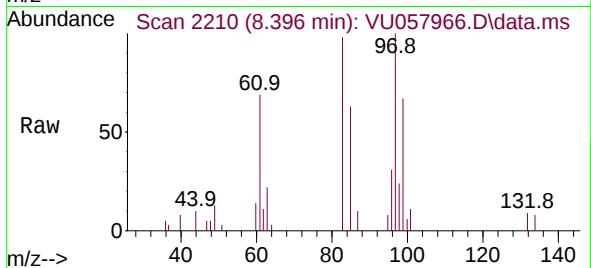
Ion Ratio Lower Upper

97 100

99 66.9 44.2 82.2

83 97.6 64.2 119.2

85 62.9 42.0 78.0



#47

Tetrachloroethene

Concen: 0.841 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Tgt Ion:164 Resp: 8260

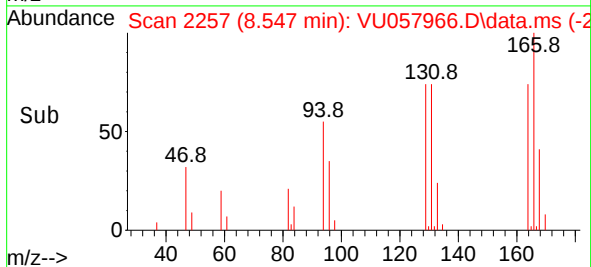
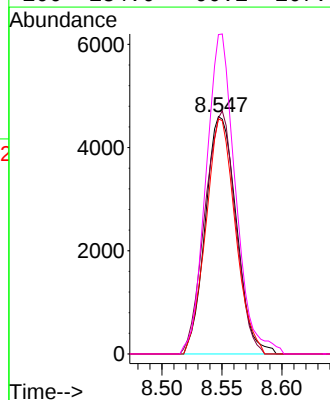
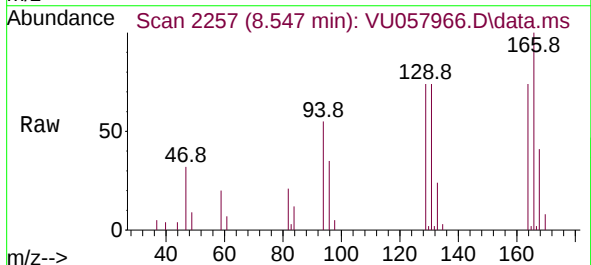
Ion Ratio Lower Upper

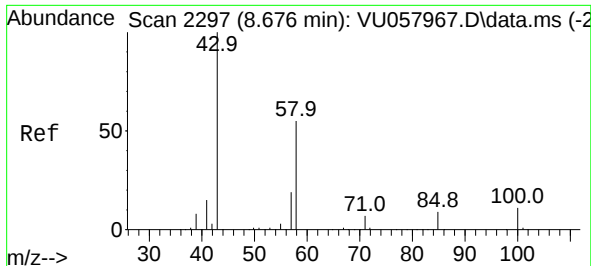
164 100

129 99.4 69.3 128.7

131 99.0 69.9 129.9

166 134.6 90.1 167.3





#48

2-Hexanone

Concen: 7.714 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. 0.007 min

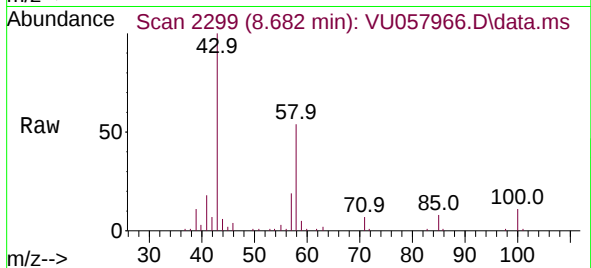
Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 32438

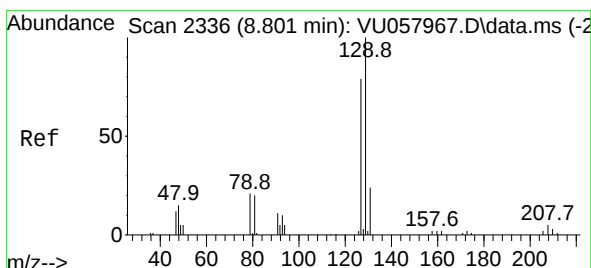
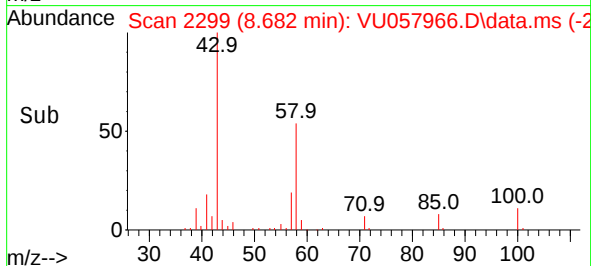
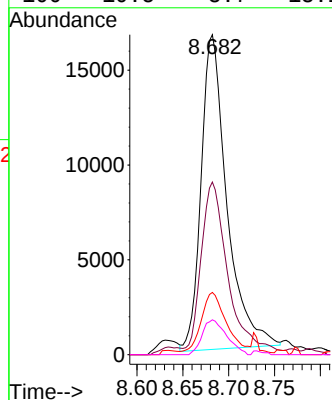
Ion Ratio Lower Upper

43 100

58 55.1 43.3 64.9

57 19.5 15.2 22.8

100 10.5 8.7 13.1



#49

Dibromochloromethane

Concen: 0.733 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU057966.D

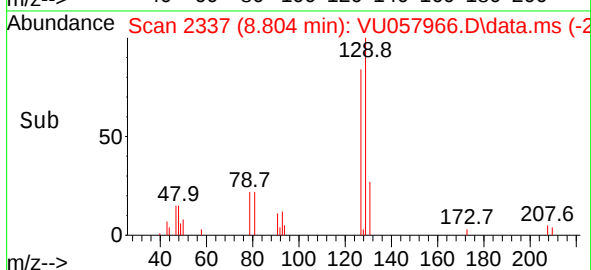
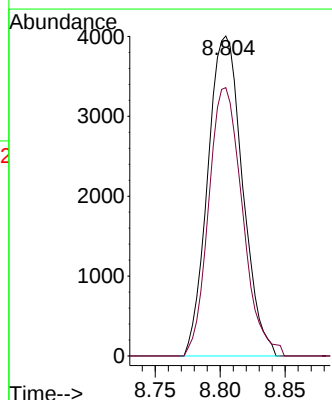
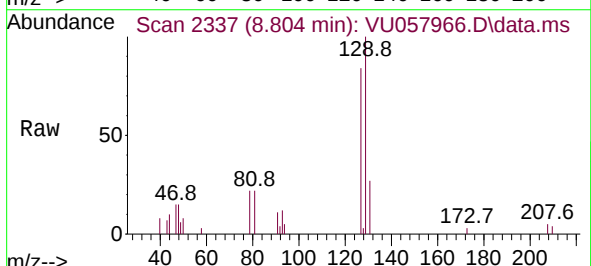
Acq: 29 Feb 2024 10:06

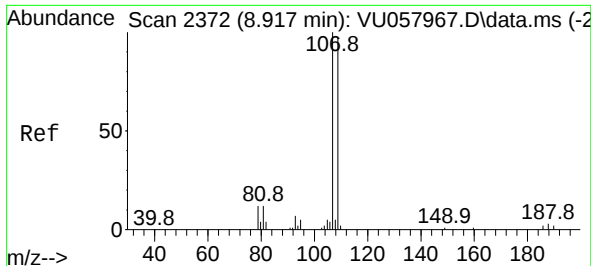
Tgt Ion: 129 Resp: 7466

Ion Ratio Lower Upper

129 100

127 83.8 55.2 102.6





#50

1,2-Dibromoethane

Concen: 0.758 ug/L

RT: 8.920 min Scan# 2372

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :

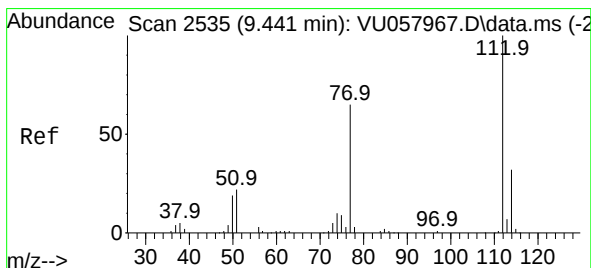
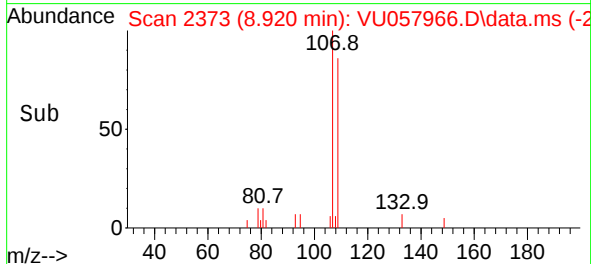
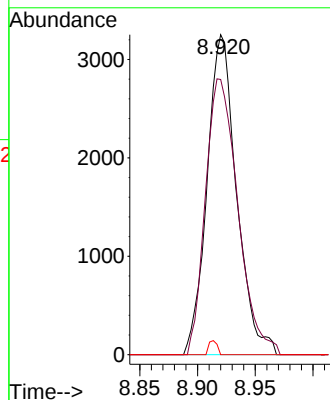
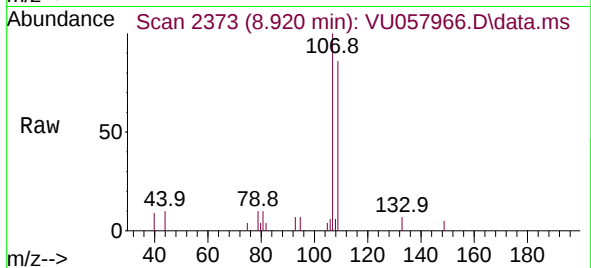
Tgt Ion:107 Resp: 5786

Ion Ratio Lower Upper

107 100

109 86.0 67.8 125.8

188 0.0 2.4 3.6#



#51

Chlorobenzene

Concen: 0.864 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

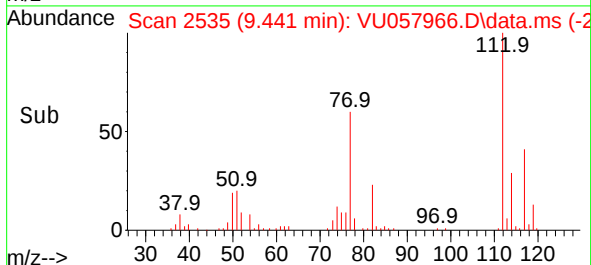
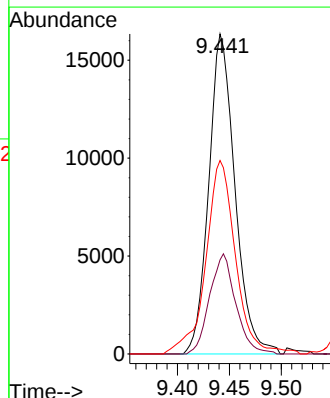
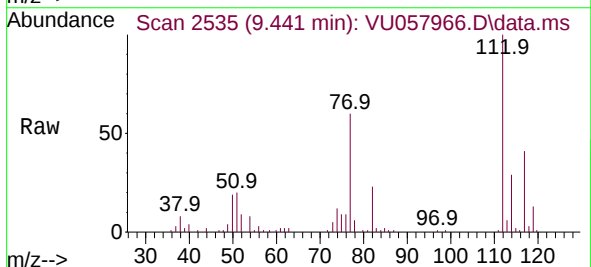
Tgt Ion:112 Resp: 28656

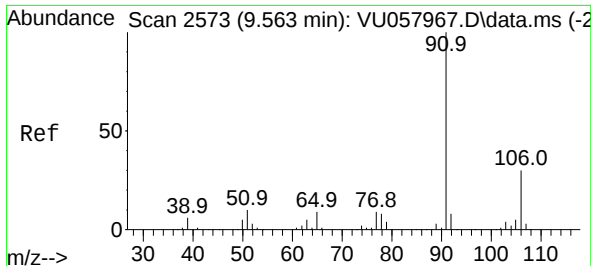
Ion Ratio Lower Upper

112 100

114 29.4 22.7 42.1

77 60.4 52.3 78.5

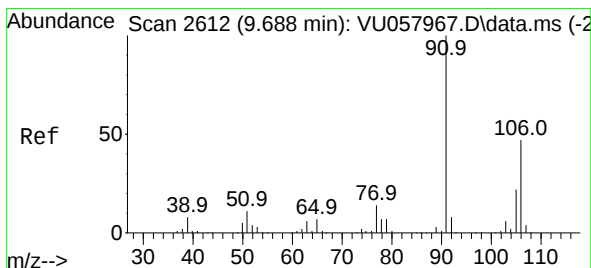
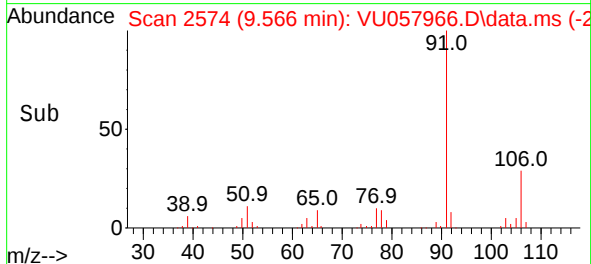
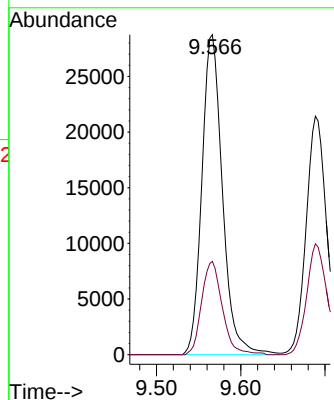
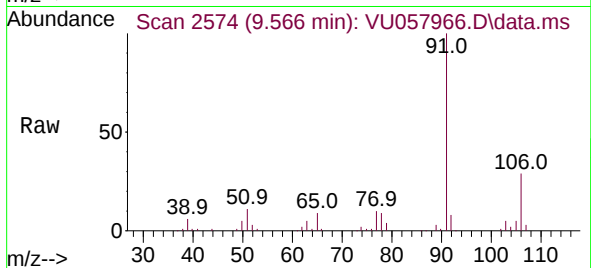




#52
Ethylbenzene
Concen: 0.821 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

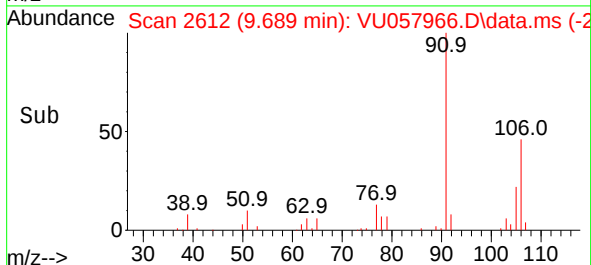
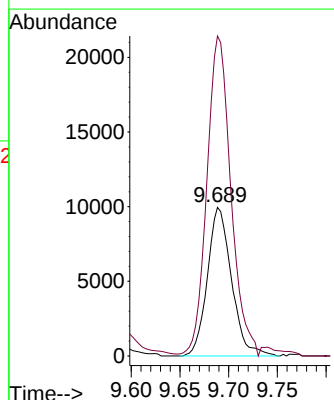
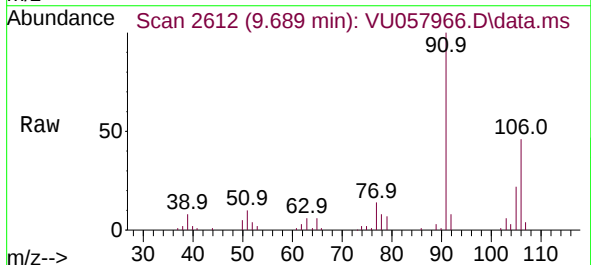
Instrument :
MSVOA_U
ClientSampleId :

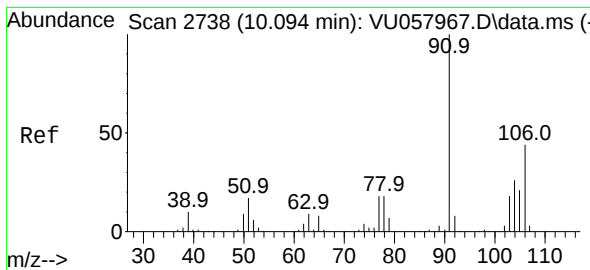
Tgt Ion: 91 Resp: 48905
Ion Ratio Lower Upper
91 100
106 29.1 20.9 38.7



#53
m,p-Xylene
Concen: 0.780 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion:106 Resp: 17167
Ion Ratio Lower Upper
106 100
91 215.2 148.8 276.4





#54

o-Xylene

Concen: 0.836 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

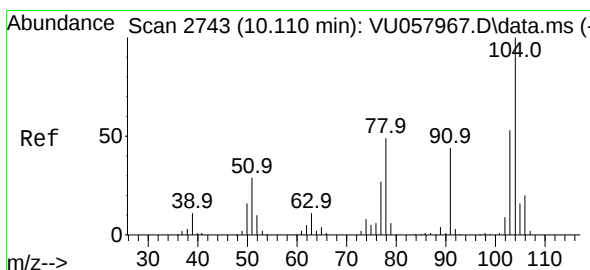
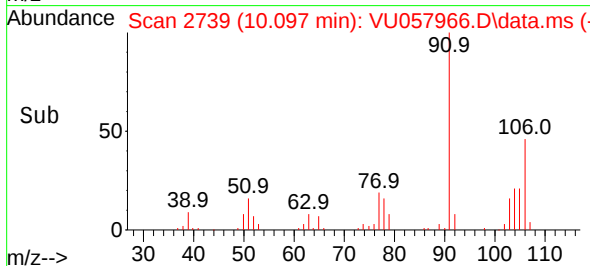
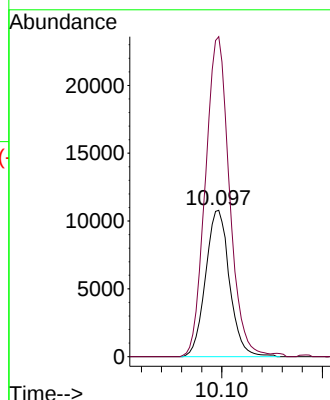
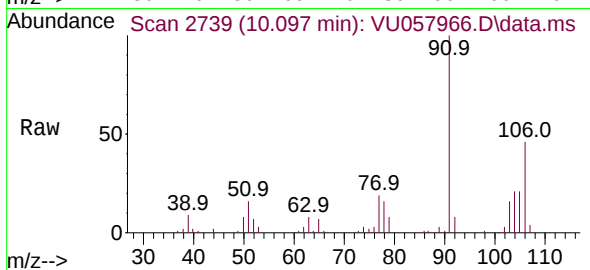
ClientSampleId :

Tgt Ion:106 Resp: 17873

Ion Ratio Lower Upper

106 100

91 218.5 158.3 294.1



#55

Styrene

Concen: 0.774 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU057966.D

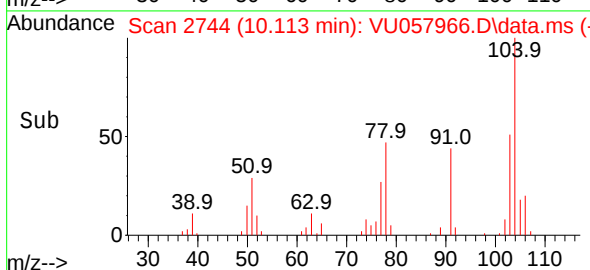
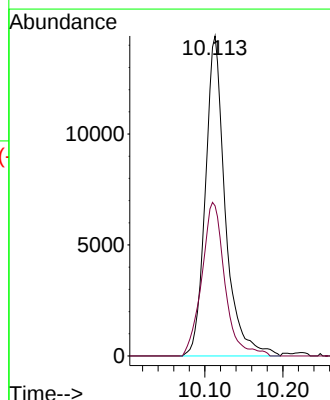
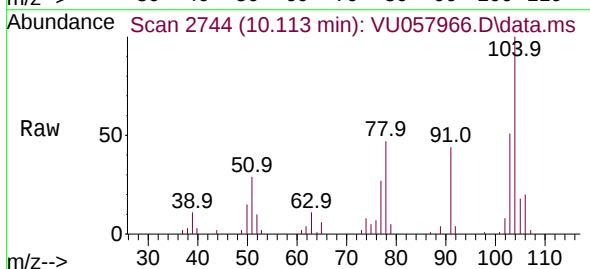
Acq: 29 Feb 2024 10:06

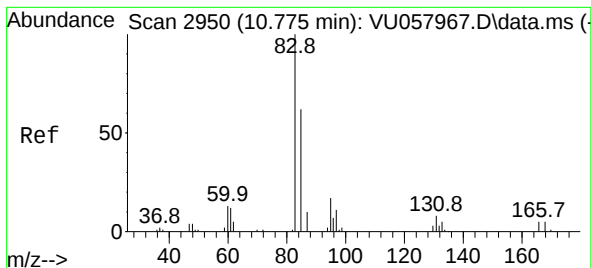
Tgt Ion:104 Resp: 25581

Ion Ratio Lower Upper

104 100

78 46.9 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 0.808 ug/L

RT: 10.779 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :

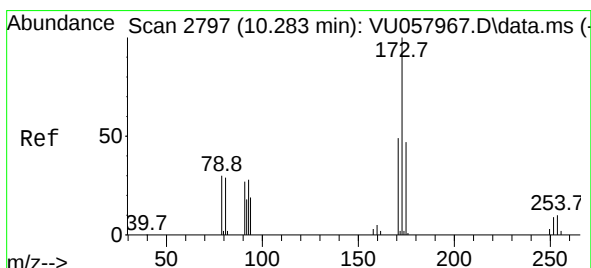
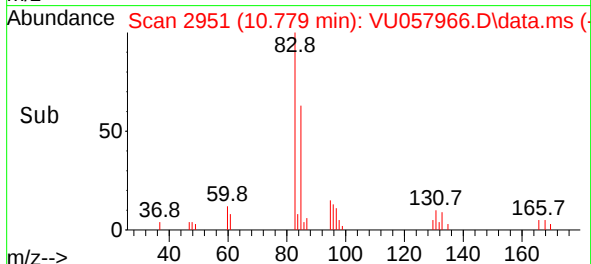
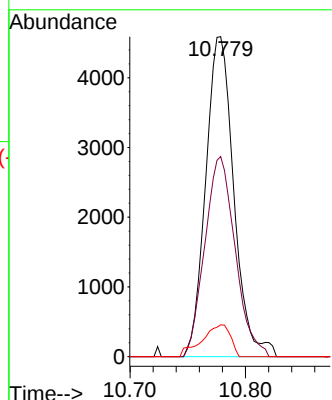
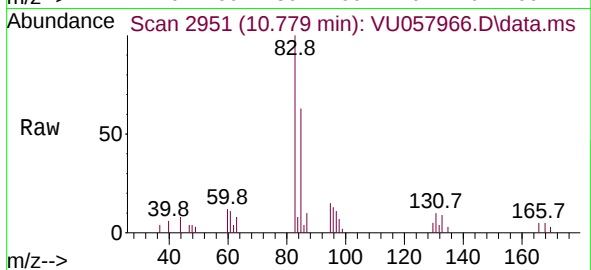
Tgt Ion: 83 Resp: 7769

Ion Ratio Lower Upper

83 100

85 62.5 44.0 81.6

131 10.0 6.9 10.3



#59

Bromoform

Concen: 0.670 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

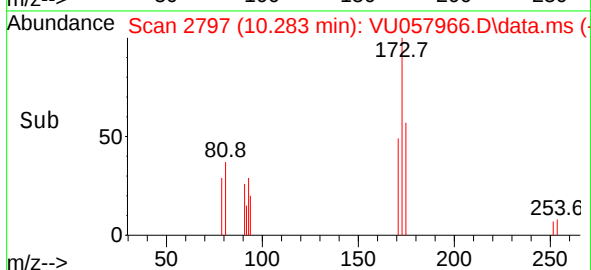
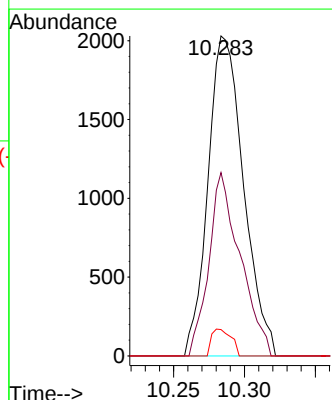
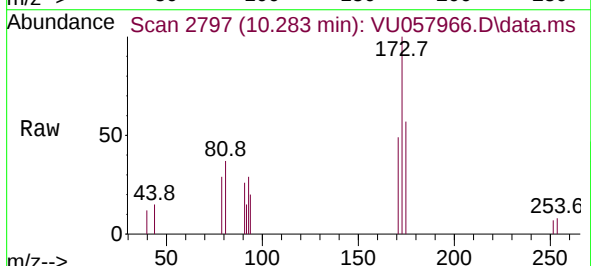
Tgt Ion:173 Resp: 3543

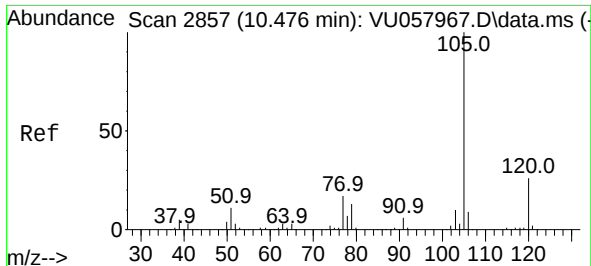
Ion Ratio Lower Upper

173 100

175 50.4 38.6 57.8

254 4.6 7.3 10.9#

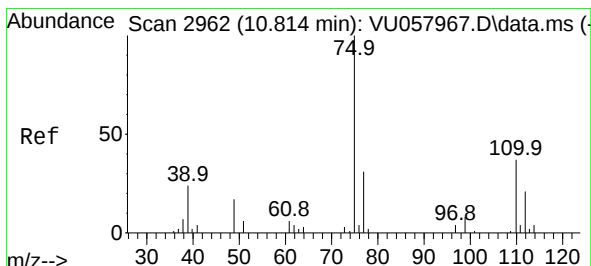
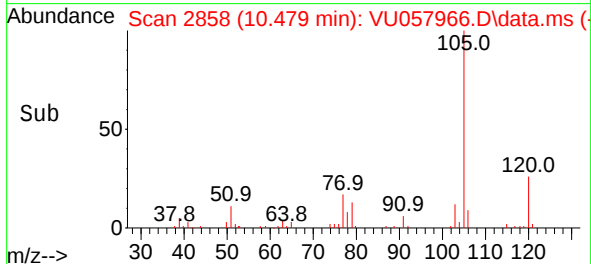
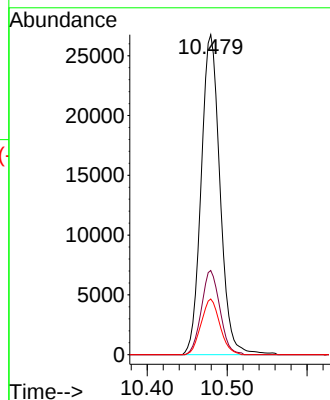
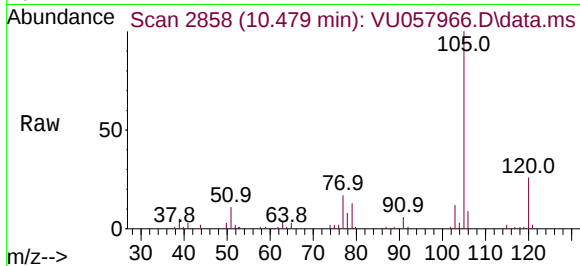




#60
Isopropylbenzene
Concen: 0.819 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

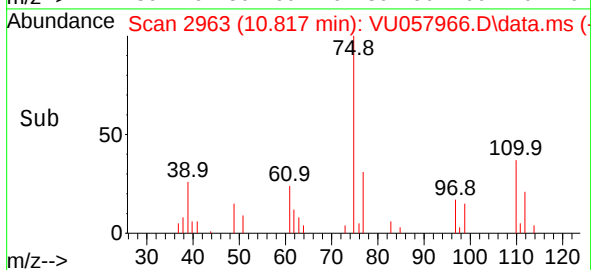
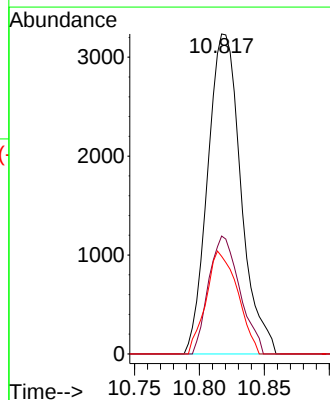
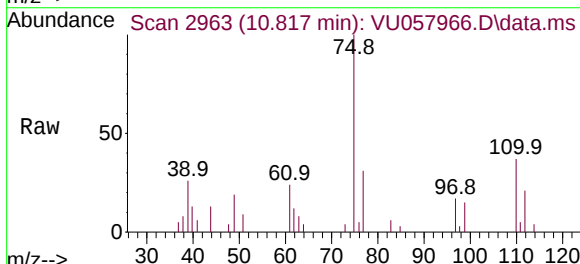
Instrument :
MSVOA_U
ClientSampleId :

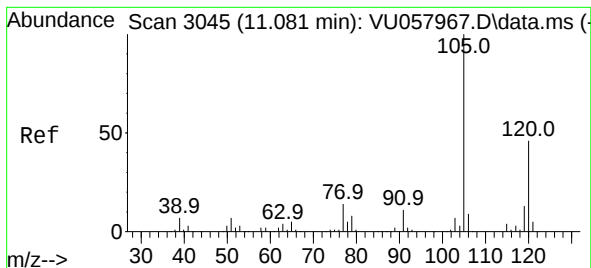
Tgt Ion:105 Resp: 43904
Ion Ratio Lower Upper
105 100
120 25.8 20.4 30.6
77 17.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 0.845 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion: 75 Resp: 5755
Ion Ratio Lower Upper
75 100
110 34.5 28.0 42.0
77 30.4 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 0.757 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

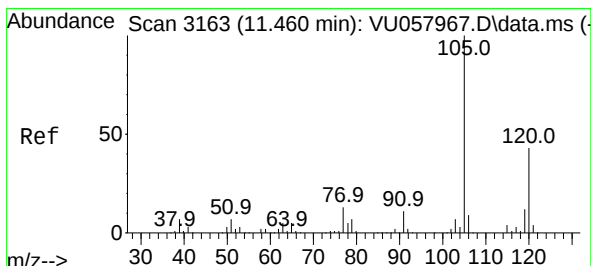
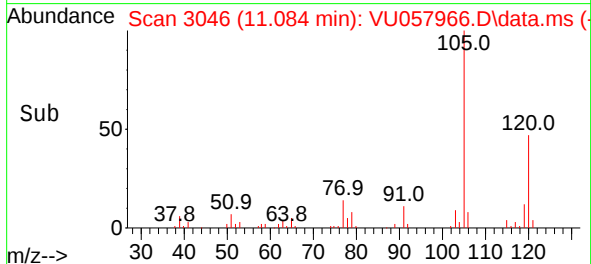
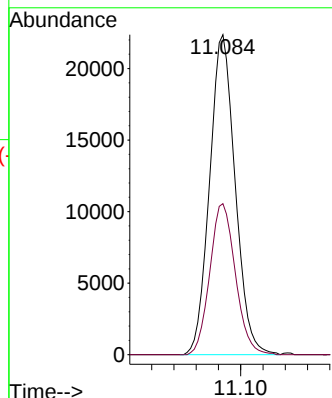
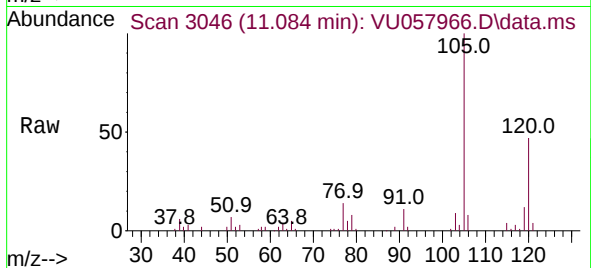
ClientSampleId :

Tgt Ion:105 Resp: 35641

Ion Ratio Lower Upper

105 100

120 47.2 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 0.739 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057966.D

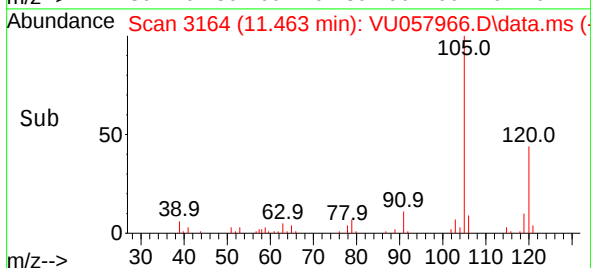
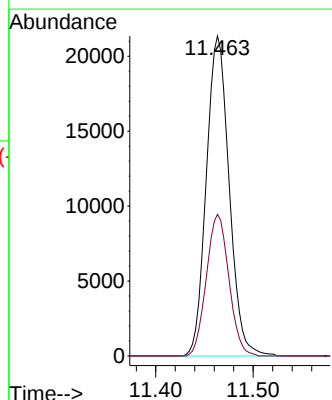
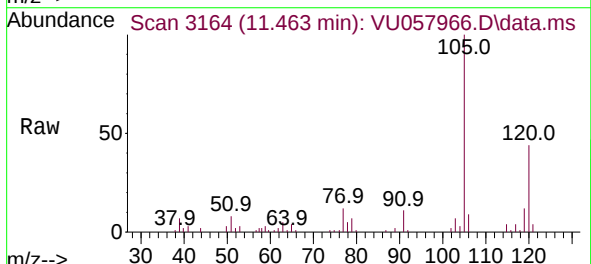
Acq: 29 Feb 2024 10:06

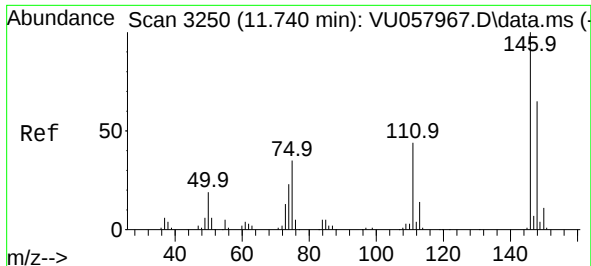
Tgt Ion:105 Resp: 34796

Ion Ratio Lower Upper

105 100

120 43.6 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 0.874 ug/L

RT: 11.743 min Scan# 3250

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :

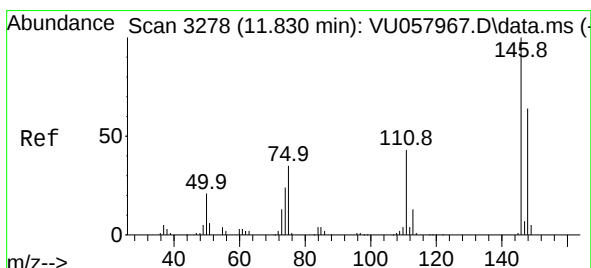
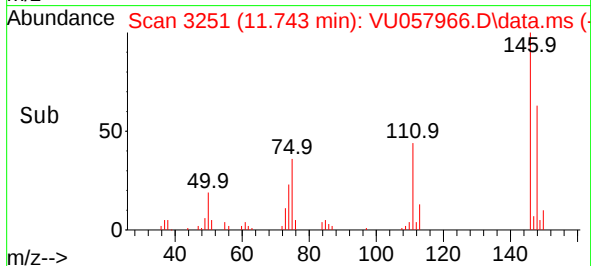
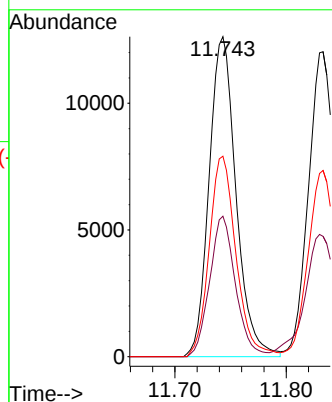
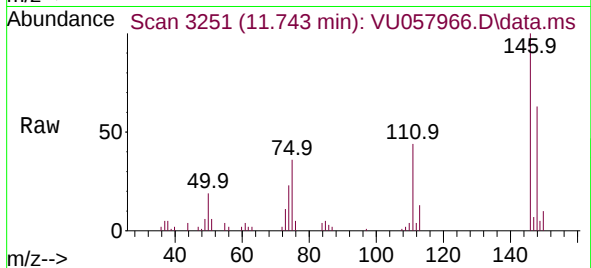
Tgt Ion:146 Resp: 21209

Ion Ratio Lower Upper

146 100

111 43.9 30.9 57.5

148 62.7 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 0.867 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

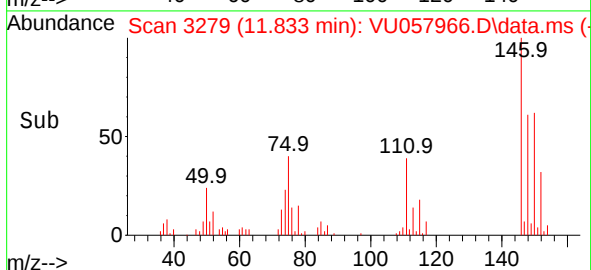
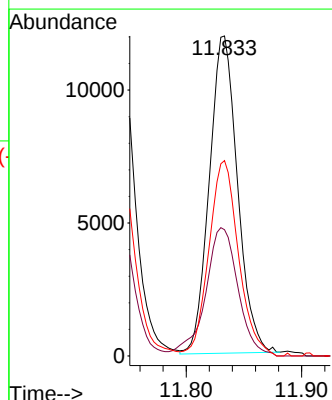
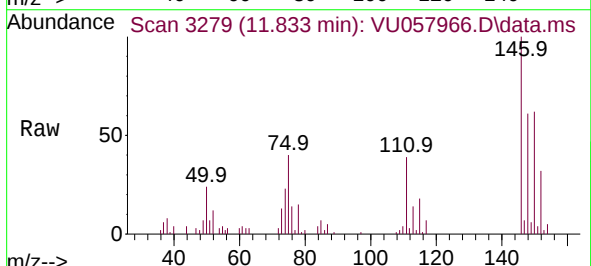
Tgt Ion:146 Resp: 20259

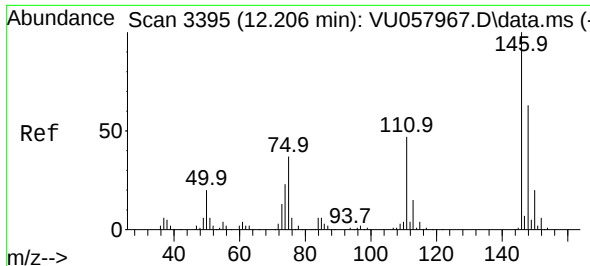
Ion Ratio Lower Upper

146 100

111 39.4 30.1 55.9

148 61.1 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 0.831 ug/L

RT: 12.209 min Scan# 341

Delta R.T. 0.003 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :

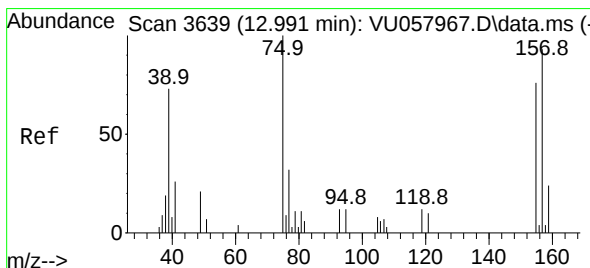
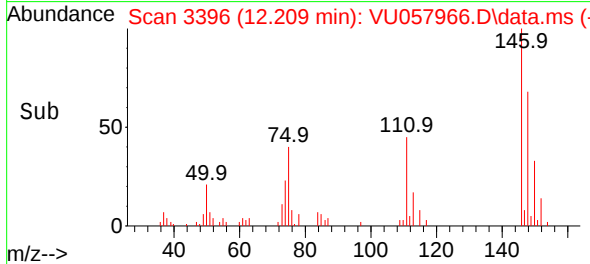
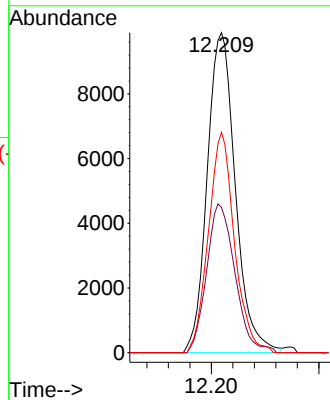
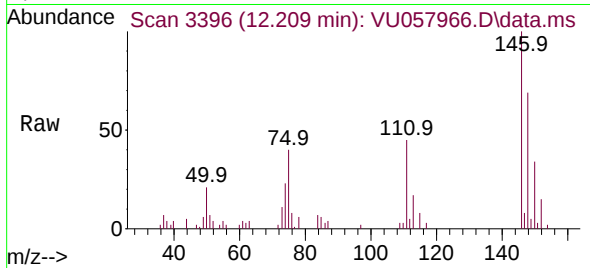
Tgt Ion:146 Resp: 17985

Ion Ratio Lower Upper

146 100

111 45.4 37.4 56.0

148 68.9 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 0.830 ug/L

RT: 13.000 min Scan# 3642

Delta R.T. 0.010 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

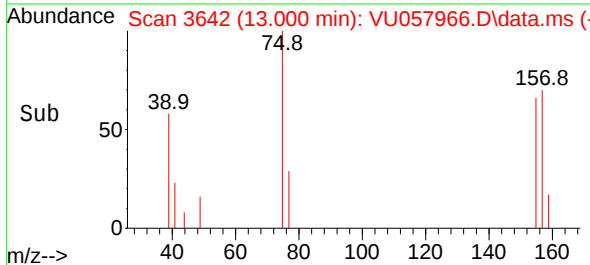
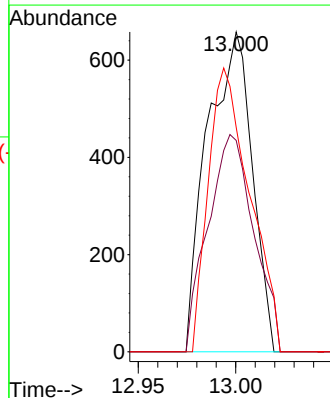
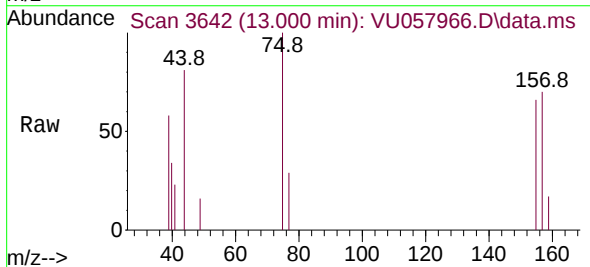
Tgt Ion: 75 Resp: 1051

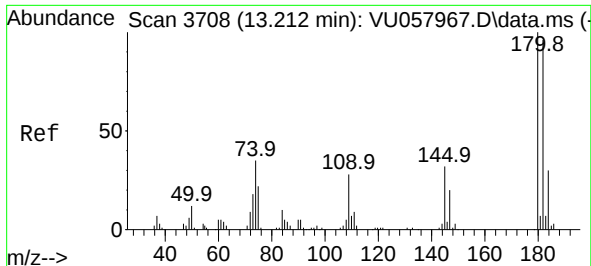
Ion Ratio Lower Upper

75 100

155 66.1 61.0 91.6

157 70.2 74.6 112.0#





#69

1,3,5-Trichlorobenzene

Concen: 0.853 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

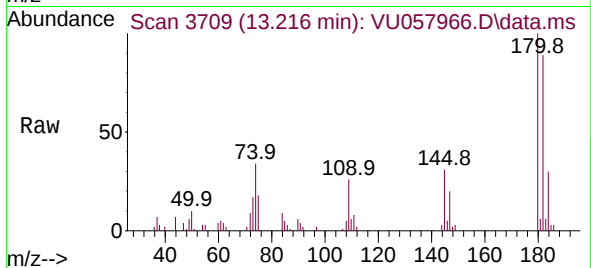
Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 15038

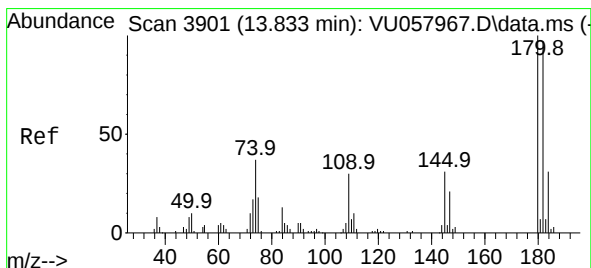
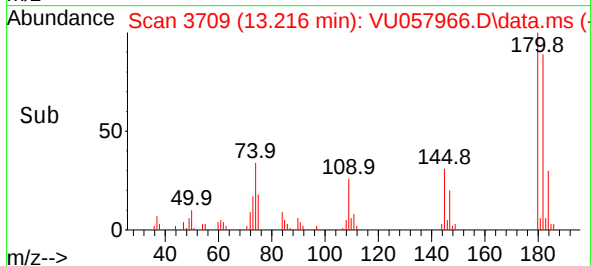
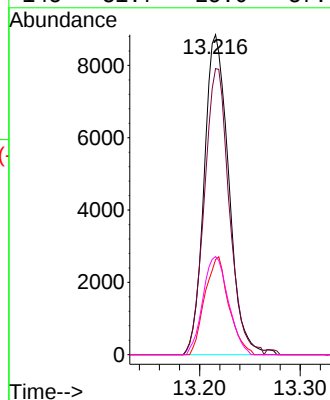
Ion Ratio Lower Upper

180 100

182 90.2 76.3 114.5

184 29.8 24.6 36.8

145 31.7 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 0.748 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.007 min

Lab File: VU057966.D

Acq: 29 Feb 2024 10:06

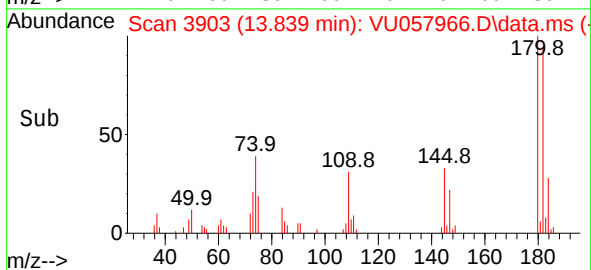
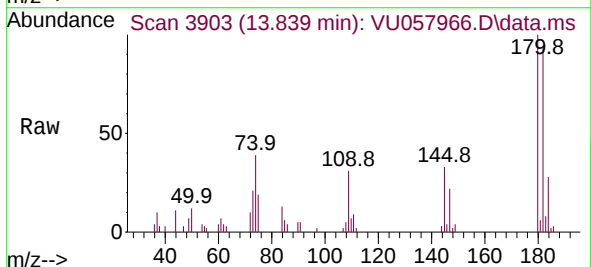
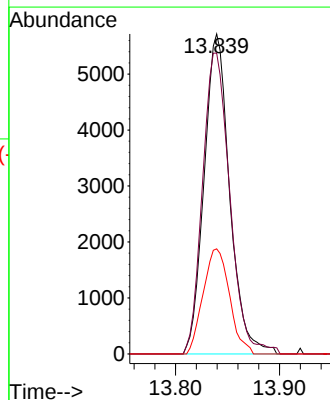
Tgt Ion:180 Resp: 9769

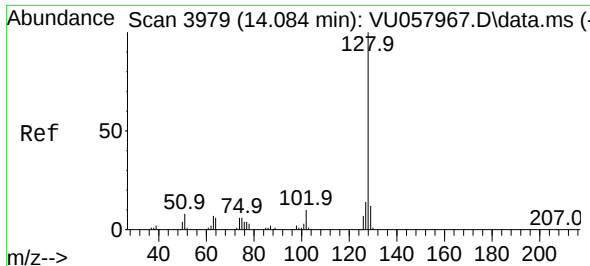
Ion Ratio Lower Upper

180 100

182 100.3 77.9 116.9

145 33.8 25.8 38.8

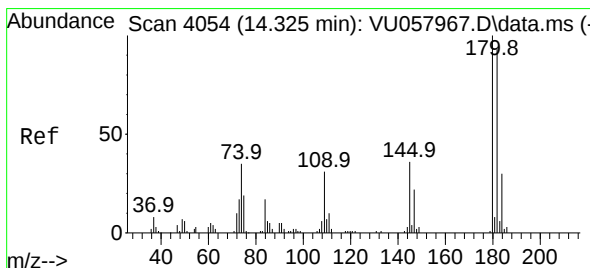
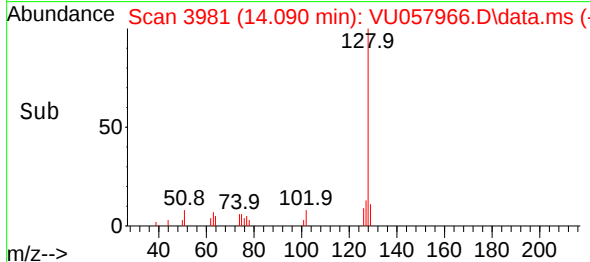
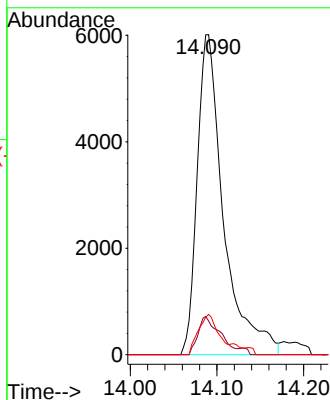
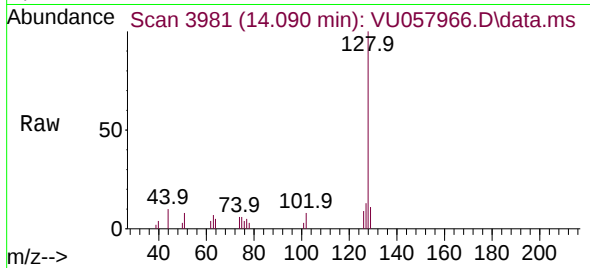




#71
Naphthalene
Concen: 0.694 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp:	12729
Ion Ratio	Lower	Upper
128	100	
129	10.0	9.0 13.6
127	11.1	10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 0.800 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU057966.D
Acq: 29 Feb 2024 10:06

Tgt Ion:180	Resp:	8149
Ion Ratio	Lower	Upper
180	100	
182	94.6	77.6 116.4
145	32.3	28.7 43.1

