

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022924\
 Data File : VU057967.D
 Acq On : 29 Feb 2024 10:30
 Operator : MD/SY
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 01 05:03:16 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	151760	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	142388	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72579	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	56137	6.301	ug/L	0.00
7) Chloroethane-d5	1.907	69	45812	6.146	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	65	24946	6.043	ug/L	0.00
20) 2-Butanone-d5	4.608	46	97725	59.964	ug/L	0.00
24) Chloroform-d	5.052	84	108176	6.069	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.692	65	49542	6.128	ug/L	0.00
32) Benzene-d6	5.718	84	213818	6.092	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	65479	6.160	ug/L	0.00
41) Toluene-d8	7.891	98	196306	5.925	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	23157	5.624	ug/L	0.00
46) 2-Hexanone-d5	8.624	63	78365	59.017	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	41587	5.924	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	59659	5.673	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	48165	3.946	ug/L	100
3) Chloromethane	1.515	50	55445	4.415	ug/L	100
5) Vinyl chloride	1.599	62	61262	4.567	ug/L	100
6) Bromomethane	1.853	94	31745	4.511	ug/L	100
8) Chloroethane	1.927	64	38833	4.754	ug/L	100
9) Trichlorofluoromethane	2.132	101	85392	4.325	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	52996	4.567	ug/L	100
12) 1,1-Dichloroethene	2.573	96	48121	4.476	ug/L	100
13) Acetone	2.612	43	71915	48.236	ug/L	100
14) Carbon disulfide	2.788	76	144363	4.188	ug/L	100
15) Methyl Acetate	2.939	43	16121	4.264	ug/L	100
16) Methylene chloride	3.036	84	53823	4.640	ug/L	100
17) Methyl tert-butyl Ether	3.348	73	112132	4.421	ug/L	100
18) trans-1,2-Dichloroethene	3.345	96	50415	4.456	ug/L	100
19) 1,1-Dichloroethane	3.856	63	103559	4.865	ug/L	100
21) 2-Butanone	4.689	43	110055	47.171	ug/L	100
22) cis-1,2-Dichloroethene	4.656	96	57058	4.661	ug/L	100
23) Bromochloromethane	4.962	128	22019	4.546	ug/L	100
25) Chloroform	5.074	83	103596	4.641	ug/L	100
27) 1,2-Dichloroethane	5.785	62	59091	4.576	ug/L	100
29) 1,1,1-Trichloroethane	5.306	97	87456	4.315	ug/L	100
30) Cyclohexane	5.380	56	89194	4.519	ug/L	100
31) Carbon tetrachloride	5.518	117	76353	4.302	ug/L	100
33) Benzene	5.766	78	226520	4.717	ug/L	100
34) Trichloroethene	6.534	95	57811	4.403	ug/L	100
35) Methylcyclohexane	6.756	83	92373	4.368	ug/L	100
37) 1,2-Dichloropropane	6.782	63	58874	4.869	ug/L	100
38) Bromodichloromethane	7.097	83	71174	4.459	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	81981	4.454	ug/L	100
40) 4-Methyl-2-pentanone	7.782	43	281378	48.772	ug/L	100
42) Toluene	7.962	91	239861	4.661	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	64849	4.367	ug/L	100

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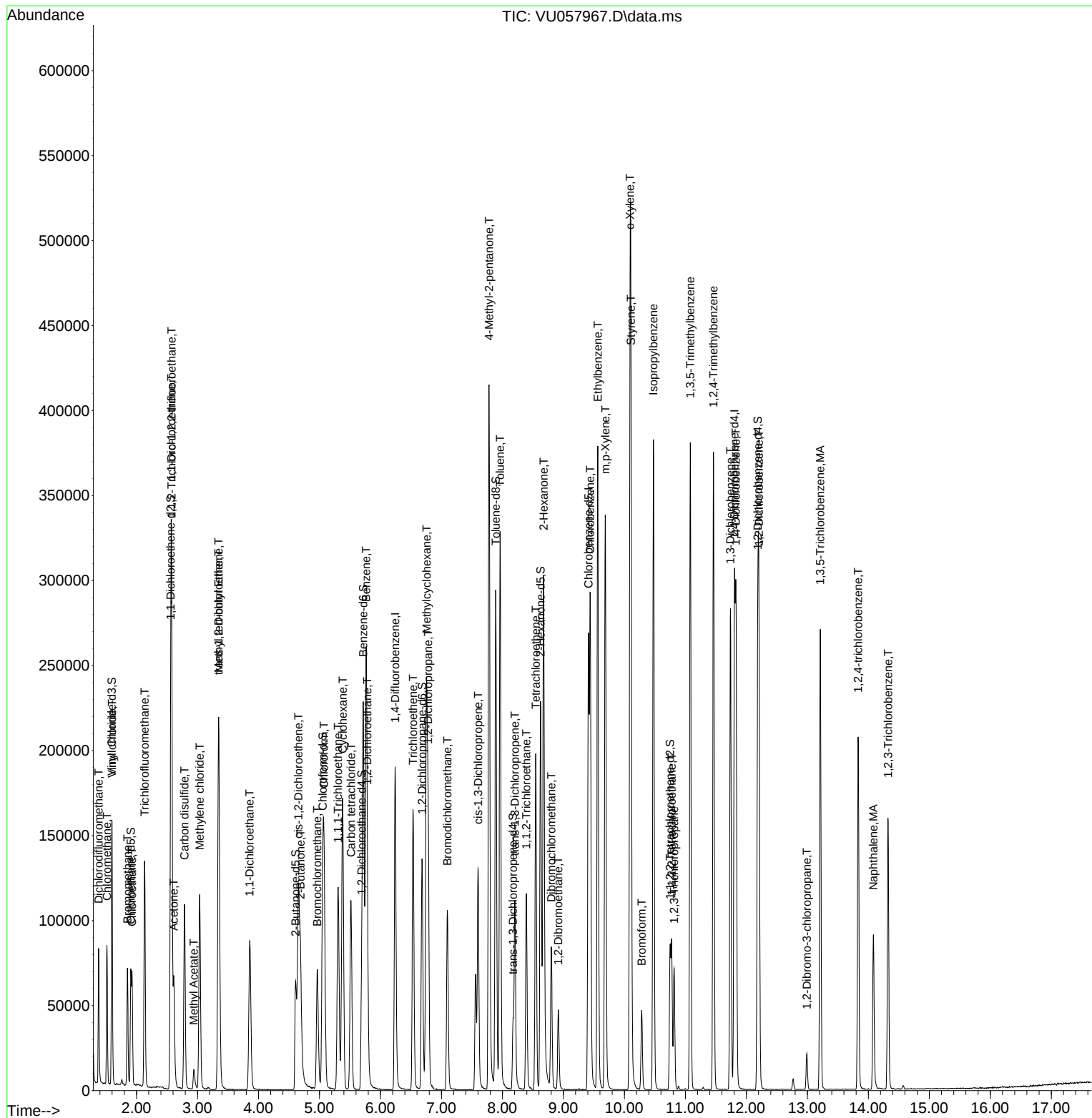
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	34967	4.531	ug/L	100
47) Tetrachloroethene	8.547	164	40673	4.273	ug/L	100
48) 2-Hexanone	8.676	43	201346	49.375	ug/L	100
49) Dibromochloromethane	8.801	129	41910	4.244	ug/L	100
50) 1,2-Dibromoethane	8.917	107	31811	4.296	ug/L	100
51) Chlorobenzene	9.441	112	146063	4.540	ug/L	100
52) Ethylbenzene	9.563	91	263013	4.555	ug/L	100
53) m,p-Xylene	9.688	106	96548	4.523	ug/L	100
54) o-Xylene	10.094	106	93485	4.508	ug/L	100
55) Styrene	10.110	104	152297	4.750	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	41750	4.477	ug/L	100
59) Bromoform	10.283	173	20552	3.754	ug/L	100
60) Isopropylbenzene	10.476	105	244569	4.406	ug/L	100
61) 1,2,3-Trichloropropane	10.814	75	30759	4.364	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	204894	4.202	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	206056	4.224	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	108115	4.301	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	105303	4.351	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	96493	4.306	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	5842	4.459	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	77179	4.227	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	58941	4.359	ug/L	100
71) Naphthalene	14.084	128	76116	4.007	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	45275	4.290	ug/L	100

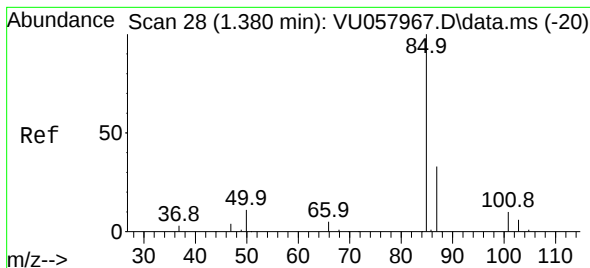
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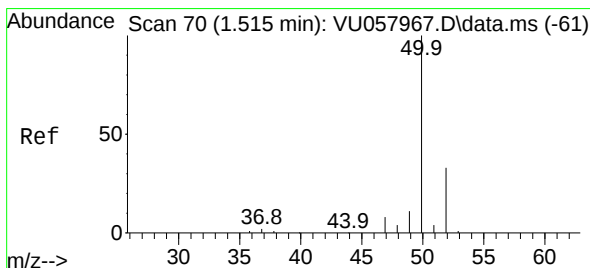
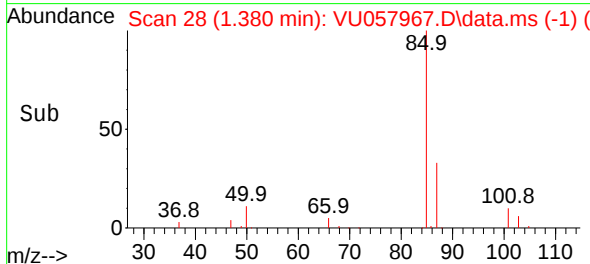
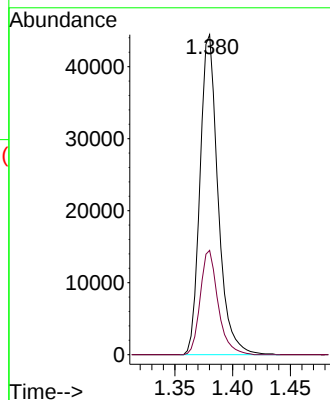
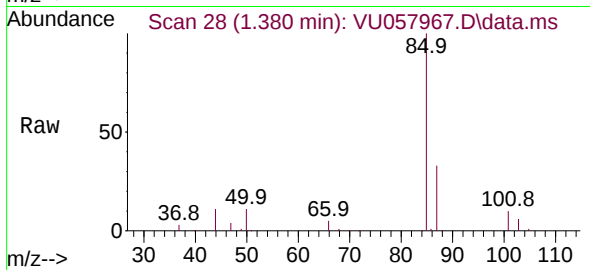




#2
Dichlorodifluoromethane
Concen: 3.946 ug/L
RT: 1.380 min Scan# 20
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

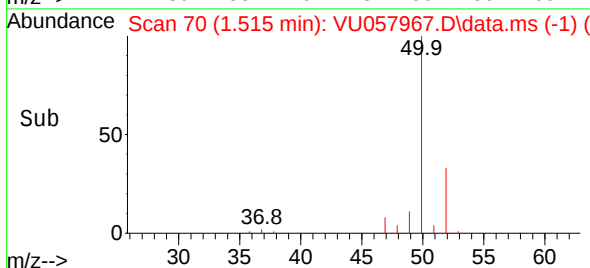
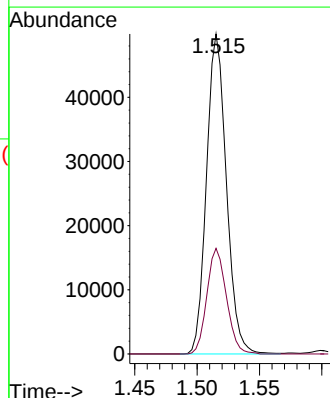
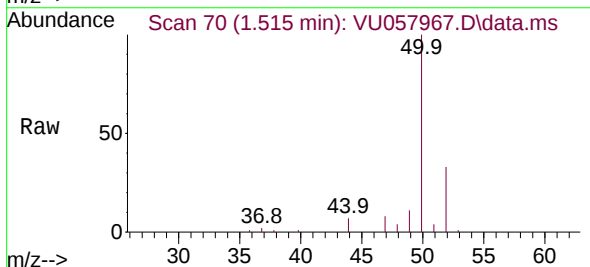
Instrument :
MSVOA_U
ClientSampleId :

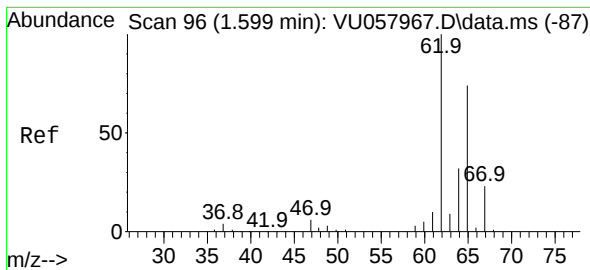
Tgt Ion: 85 Resp: 48165
Ion Ratio Lower Upper
85 100
87 32.2 25.8 38.6



#3
Chloromethane
Concen: 4.415 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 50 Resp: 55445
Ion Ratio Lower Upper
50 100
52 33.0 23.1 42.9





#5

Vinyl chloride

Concen: 4.567 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

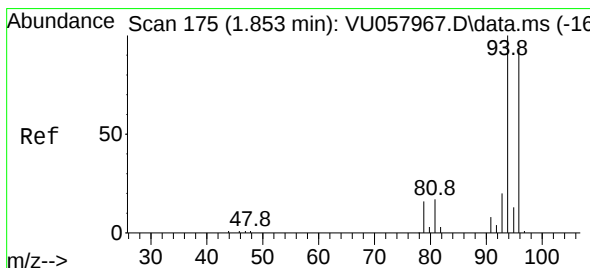
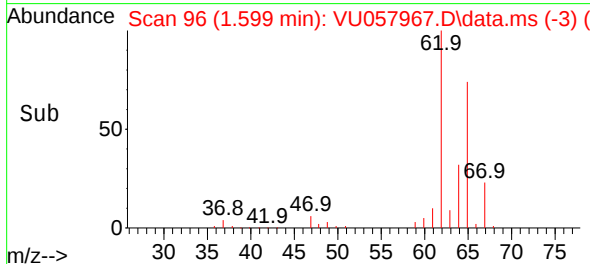
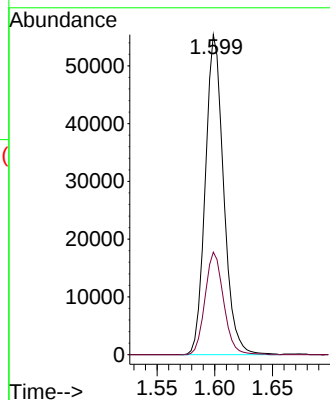
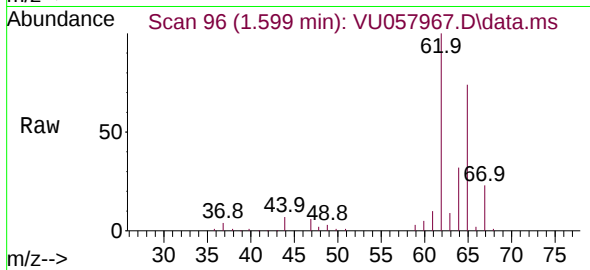
ClientSampleId :

Tgt Ion: 62 Resp: 61262

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 4.511 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU057967.D

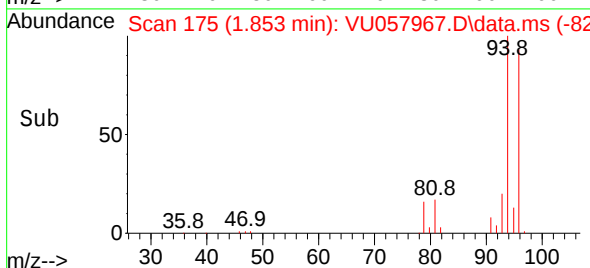
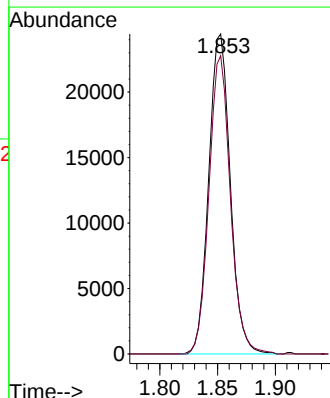
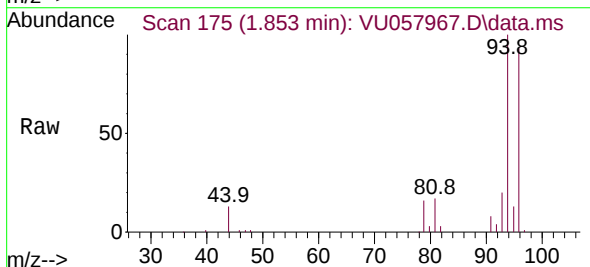
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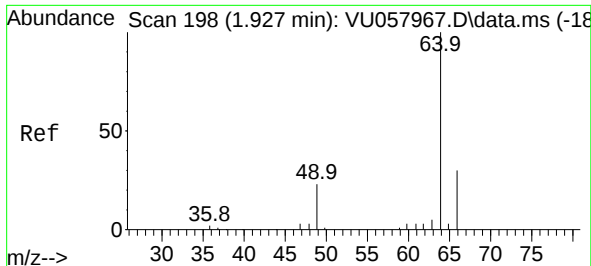
Tgt Ion: 94 Resp: 31745

Ion Ratio Lower Upper

94 100

96 93.2 65.2 121.2

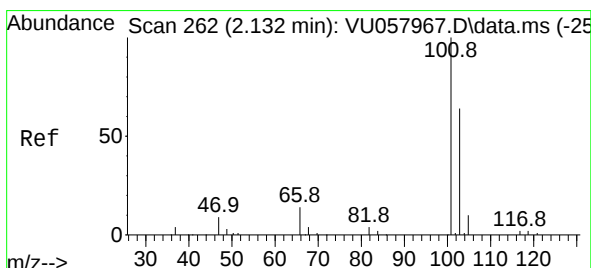
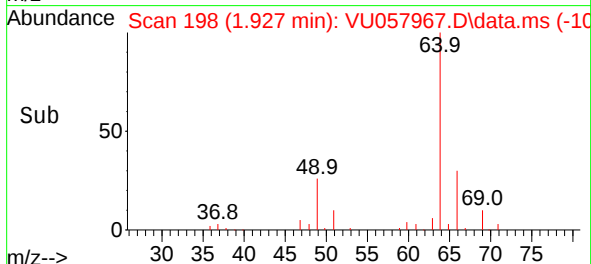
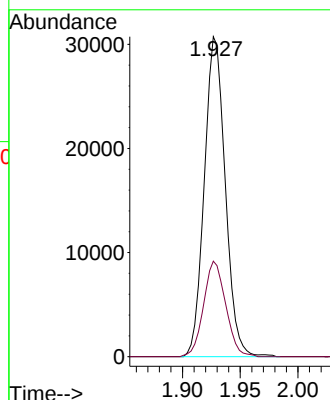
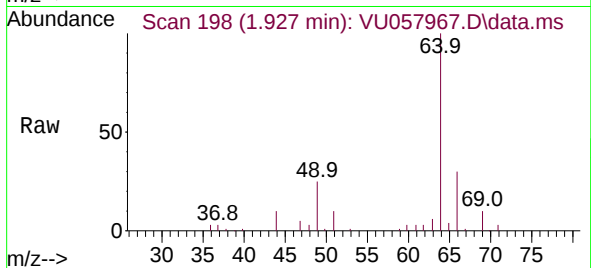




#8
Chloroethane
Concen: 4.754 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

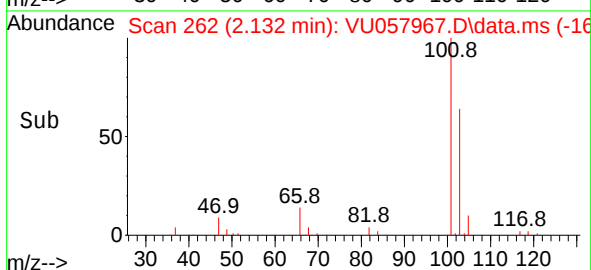
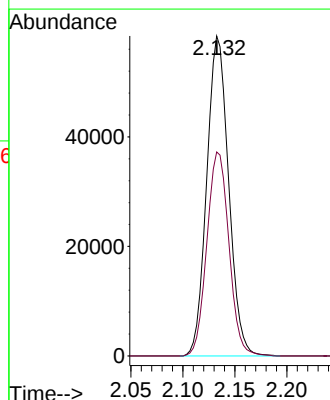
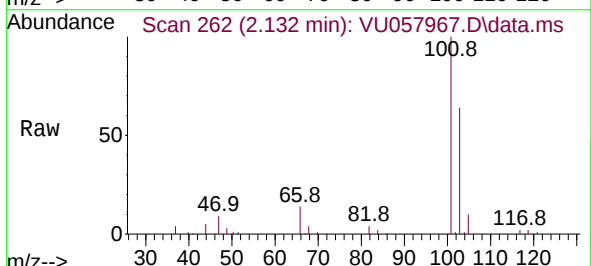
Instrument :
MSVOA_U
ClientSampleId :

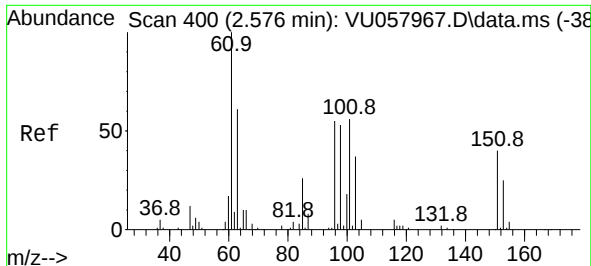
Tgt Ion: 64 Resp: 38833
Ion Ratio Lower Upper
64 100
66 29.9 20.9 38.9



#9
Trichlorofluoromethane
Concen: 4.325 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion:101 Resp: 85392
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

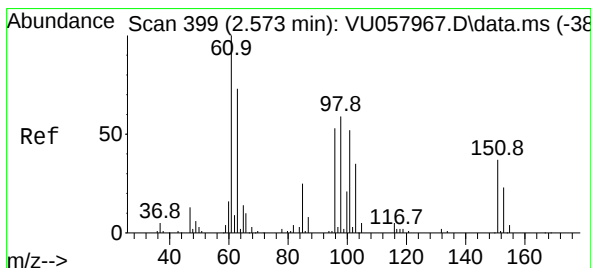
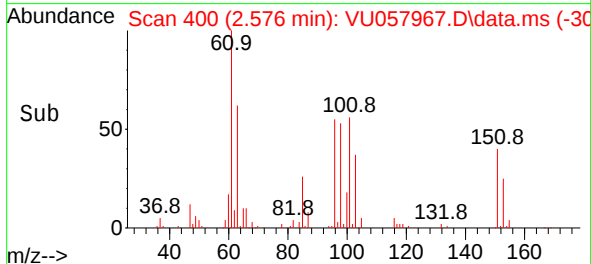
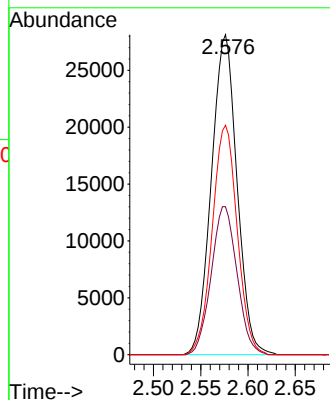
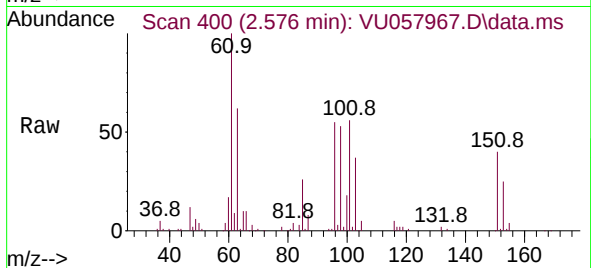




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.567 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

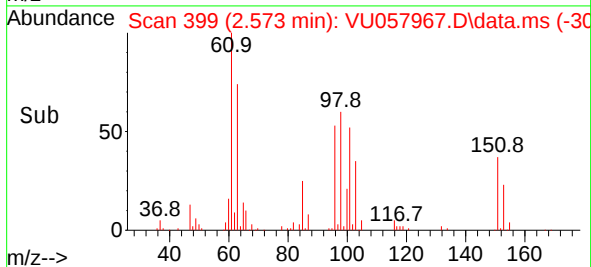
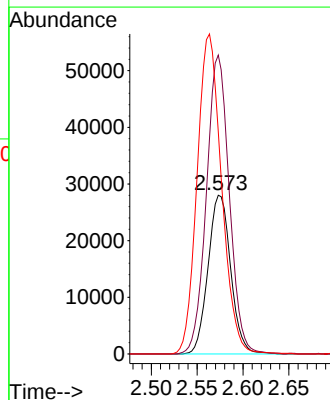
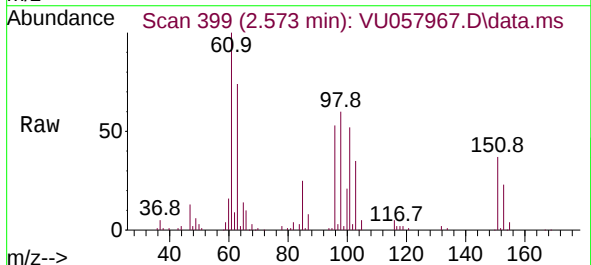
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ClientSampleId :

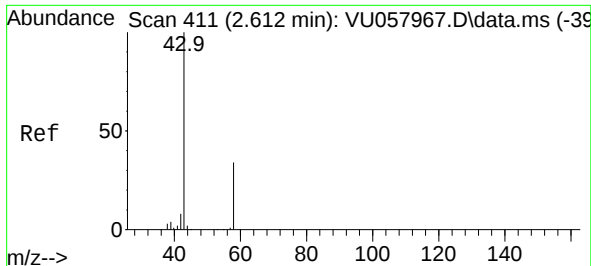
Tgt Ion:101 Resp: 52996
Ion Ratio Lower Upper
101 100
85 46.6 37.3 55.9
151 70.0 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.476 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 96 Resp: 48121
Ion Ratio Lower Upper
96 100
61 188.3 131.8 244.8
63 140.1 98.1 182.1





#13

Acetone

Concen: 48.236 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

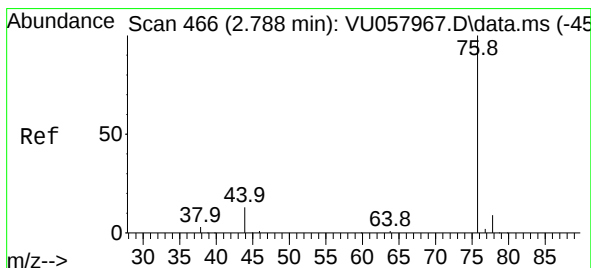
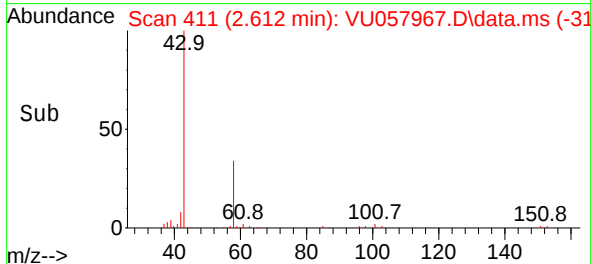
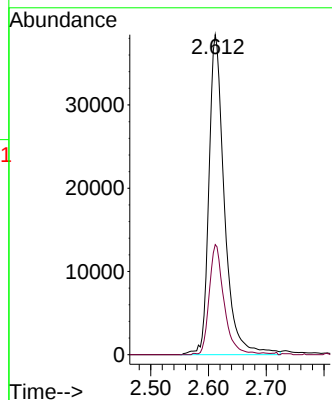
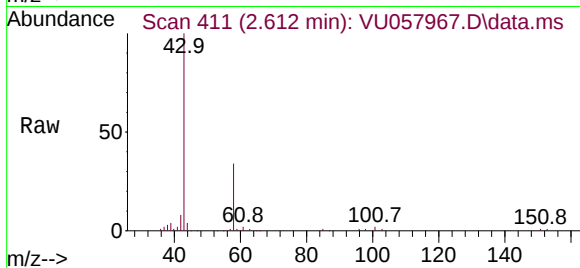
ClientSampleId :

Tgt Ion: 43 Resp: 71915

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



#14

Carbon disulfide

Concen: 4.188 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057967.D

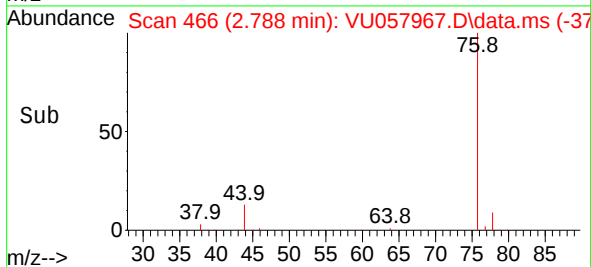
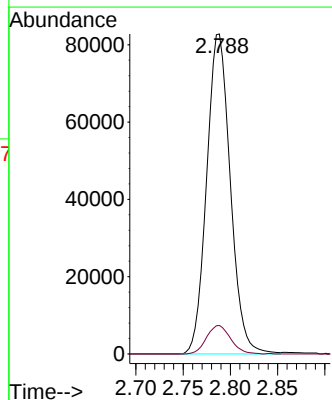
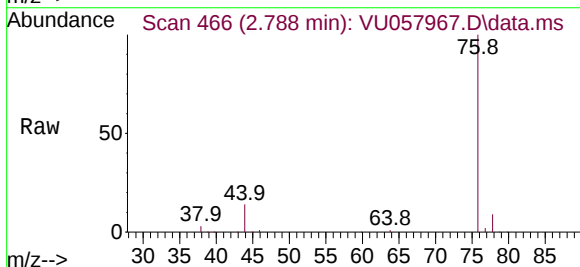
Acq: 29 Feb 2024 10:30

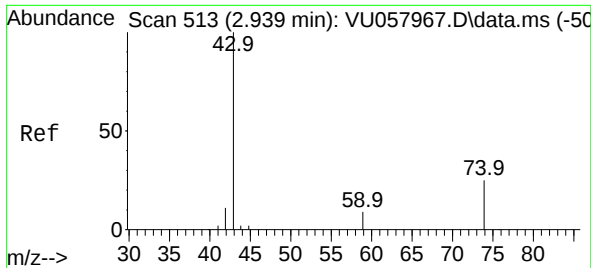
Tgt Ion: 76 Resp: 144363

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 4.264 ug/L

RT: 2.939 min Scan# 513

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

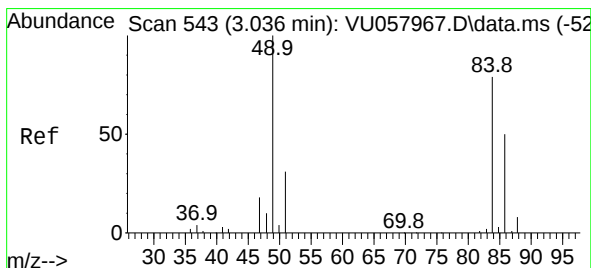
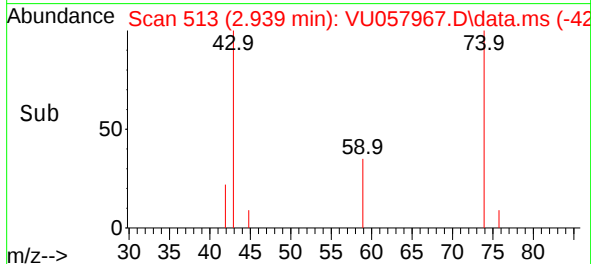
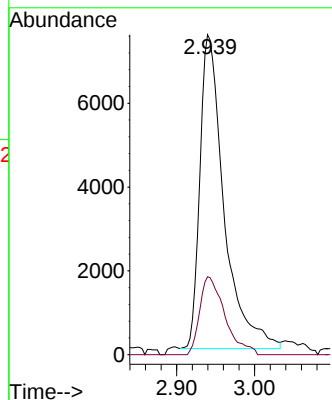
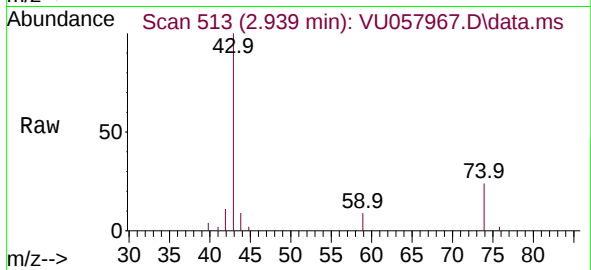
ClientSampleId :

Tgt Ion: 43 Resp: 16121

Ion Ratio Lower Upper

43 100

74 25.8 20.6 31.0



#16

Methylene chloride

Concen: 4.640 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

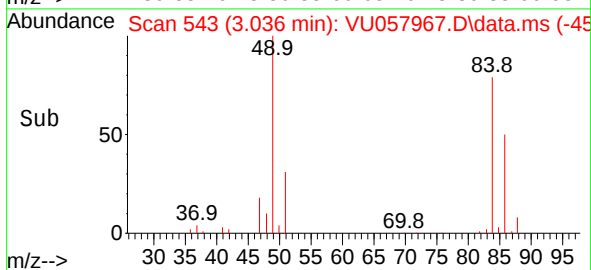
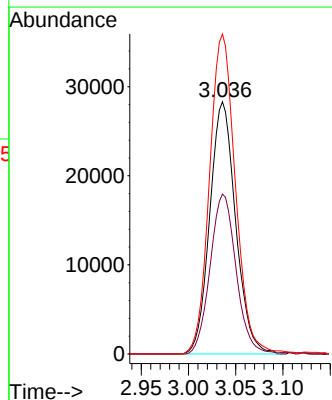
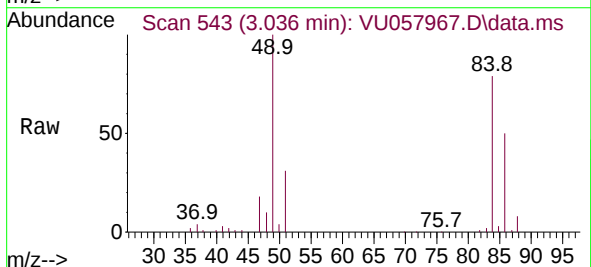
Tgt Ion: 84 Resp: 53823

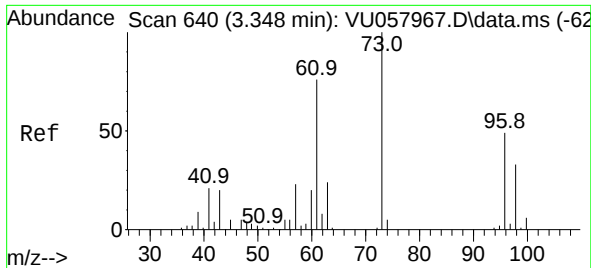
Ion Ratio Lower Upper

84 100

86 63.4 44.4 82.4

49 126.9 88.8 165.0

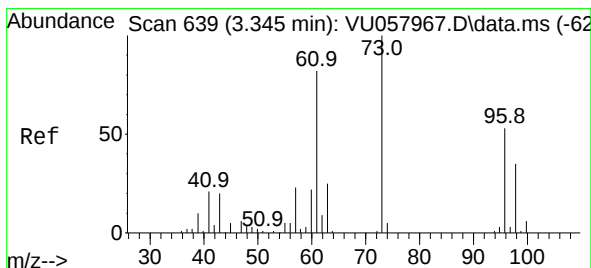
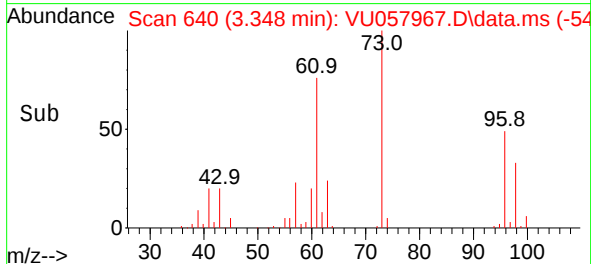
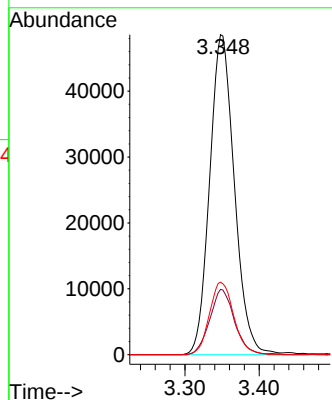
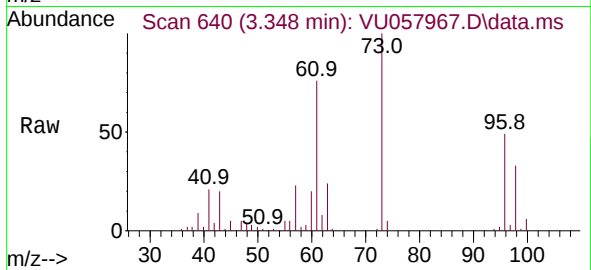




#17
Methyl tert-butyl Ether
Concen: 4.421 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

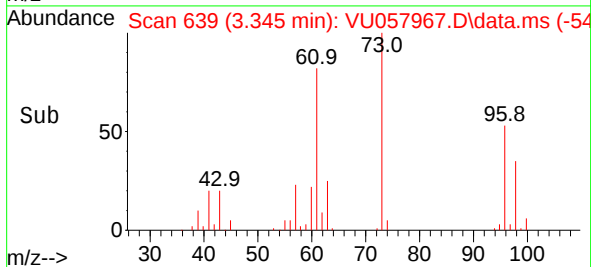
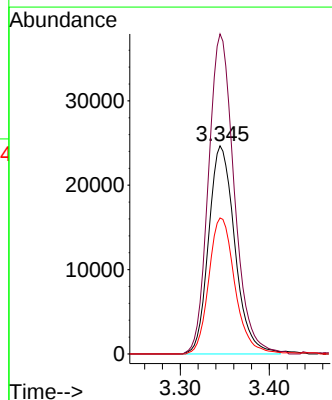
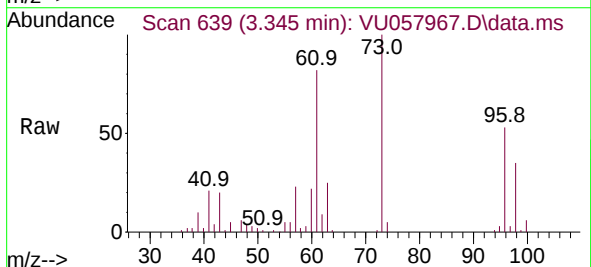
Instrument :
MSVOA_U
ClientSampleId :

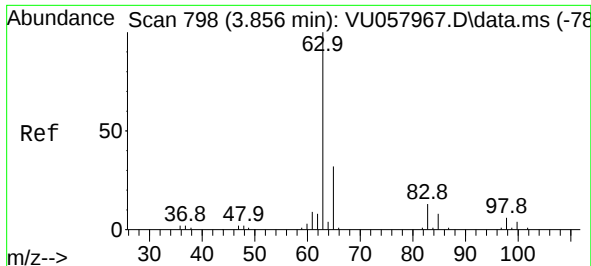
Tgt Ion: 73 Resp: 112132
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4
57 22.4 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.456 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 96 Resp: 50415
Ion Ratio Lower Upper
96 100
61 153.8 107.7 199.9
98 65.4 45.8 85.0

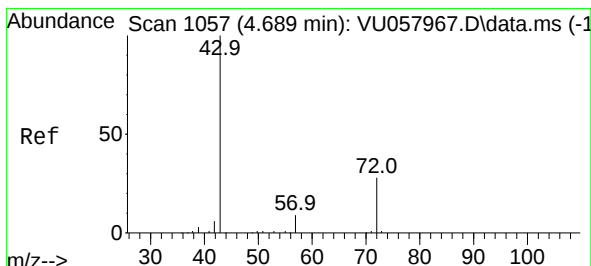
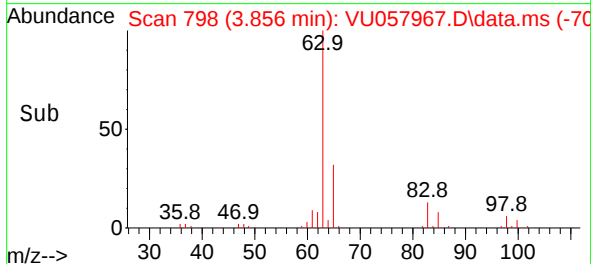
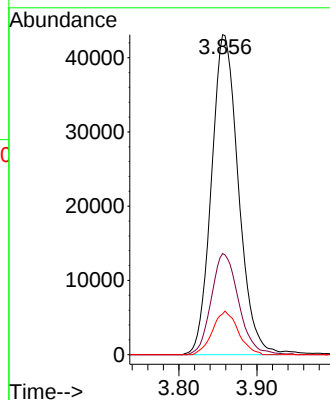
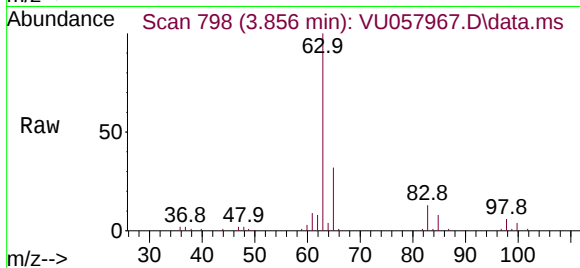




#19
1,1-Dichloroethane
Concen: 4.865 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

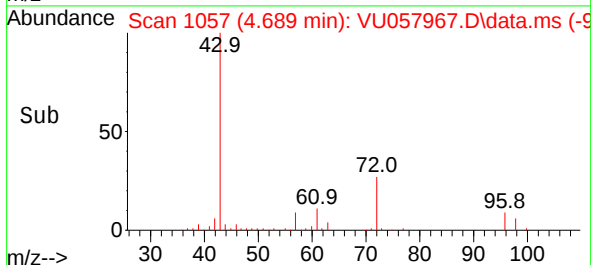
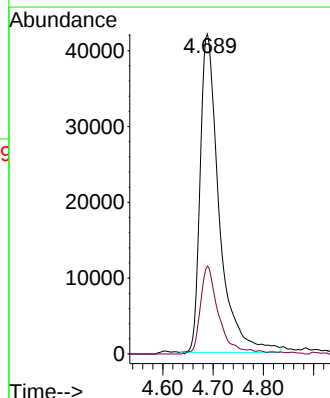
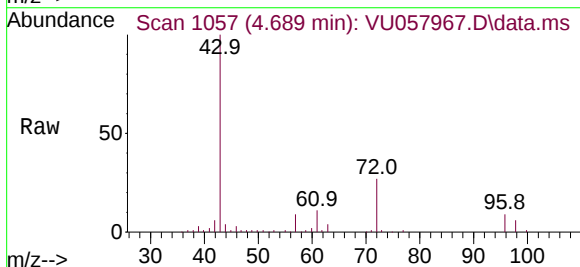
Instrument :
MSVOA_U
ClientSampleId :

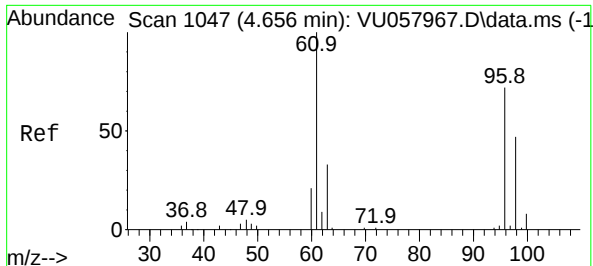
Tgt Ion: 63 Resp: 103559
Ion Ratio Lower Upper
63 100
65 31.6 22.1 41.1
83 12.8 9.0 16.6



#21
2-Butanone
Concen: 47.171 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 43 Resp: 110055
Ion Ratio Lower Upper
43 100
72 26.0 13.0 39.0

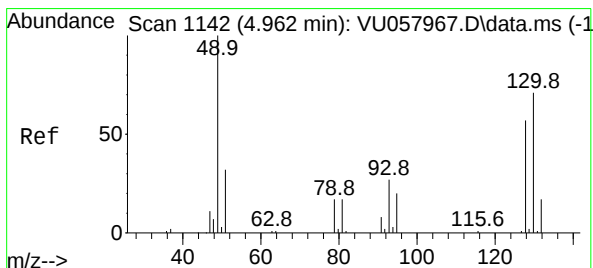
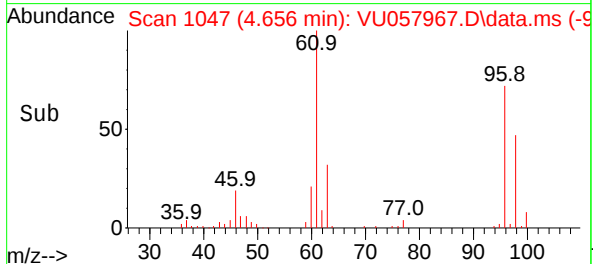
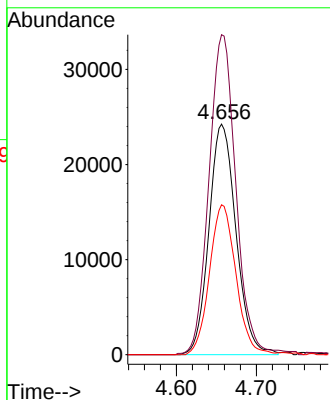
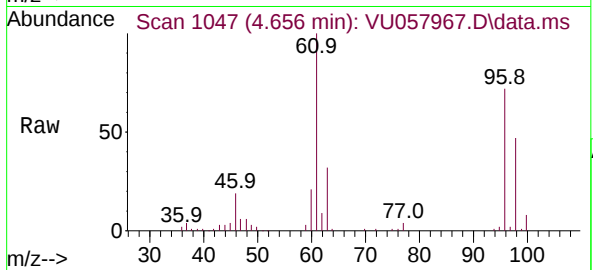




#22
 cis-1,2-Dichloroethene
 Concen: 4.661 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: VU057967.D
 Acq: 29 Feb 2024 10:30

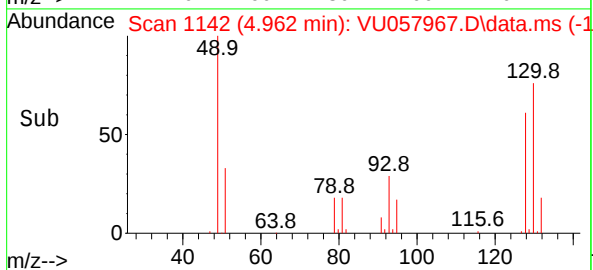
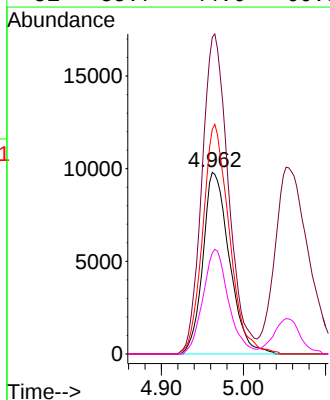
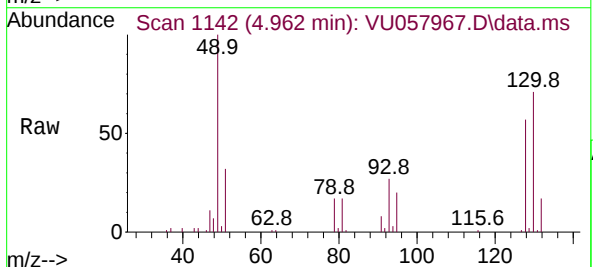
Instrument :
 MSVOA_U
 ClientSampleId :

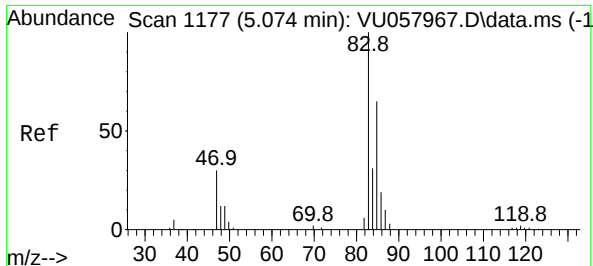
Tgt Ion:	96	Resp:	57058
Ion	Ratio	Lower	Upper
96	100		
61	138.8	97.2	180.4
98	65.0	45.5	84.5



#23
 Bromochloromethane
 Concen: 4.546 ug/L
 RT: 4.962 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VU057967.D
 Acq: 29 Feb 2024 10:30

Tgt Ion:	128	Resp:	22019
Ion	Ratio	Lower	Upper
128	100		
49	174.3	122.0	226.6
130	123.7	86.6	160.8
51	55.7	44.6	66.8

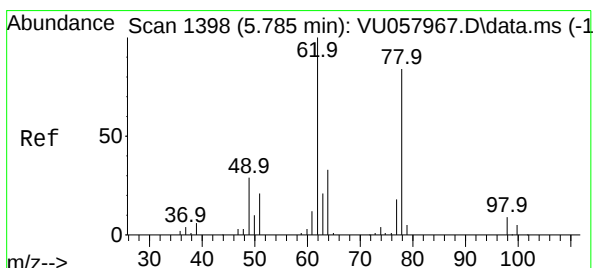
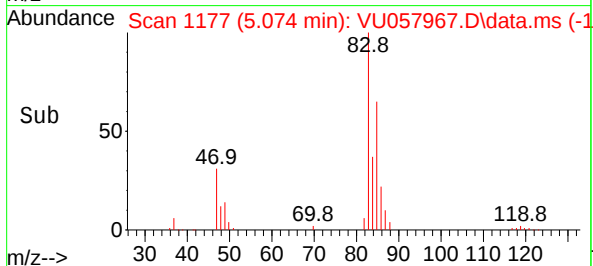
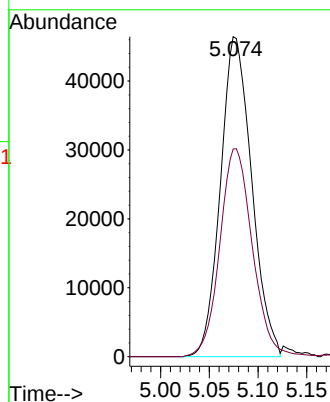
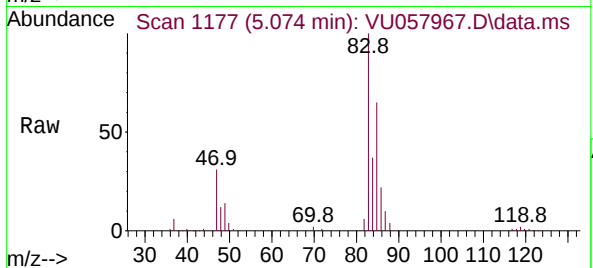




#25
Chloroform
Concen: 4.641 ug/L
RT: 5.074 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

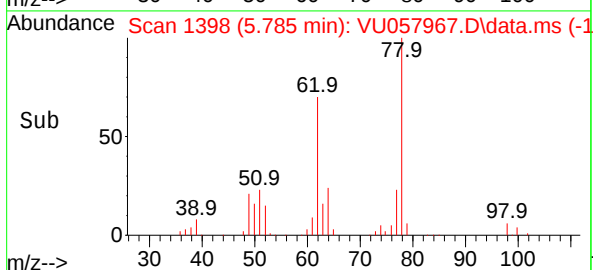
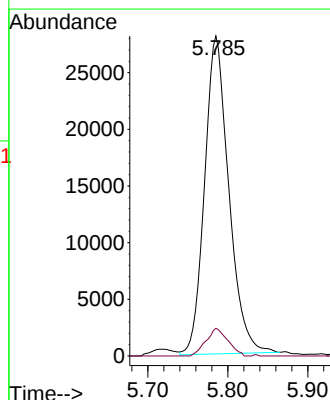
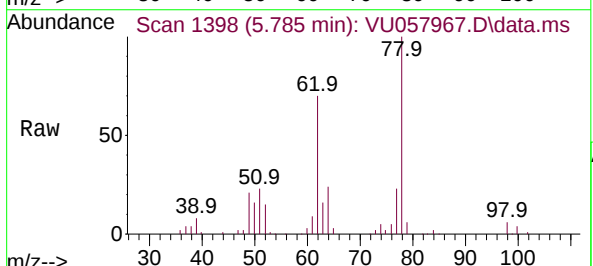
Instrument :
MSVOA_U
ClientSampleId :

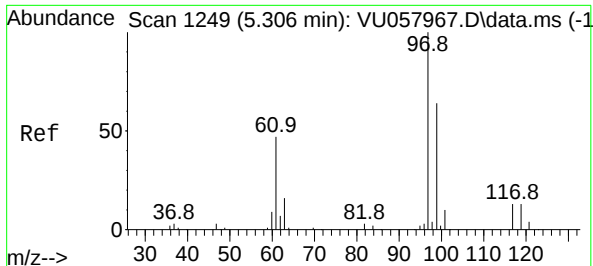
Tgt Ion: 83 Resp: 103596
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.576 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 62 Resp: 59091
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

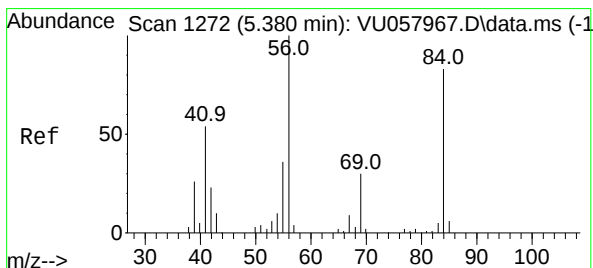
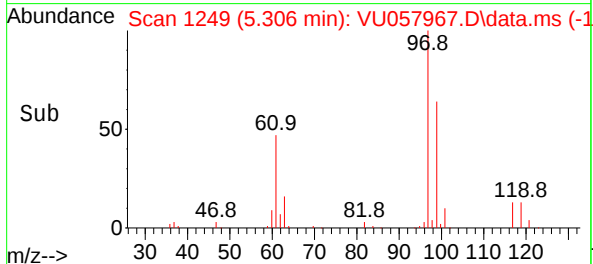
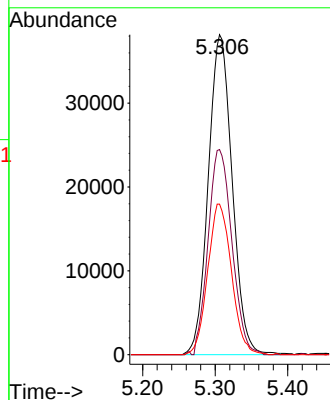
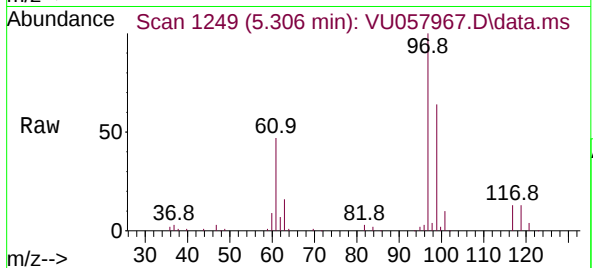




#29
1,1,1-Trichloroethane
Concen: 4.315 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

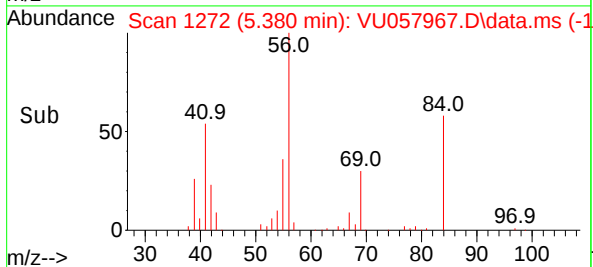
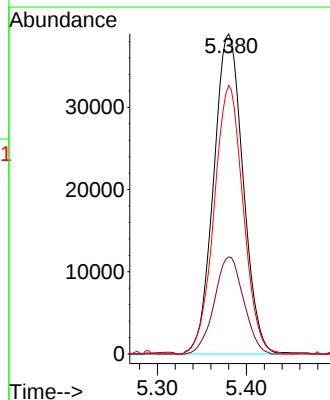
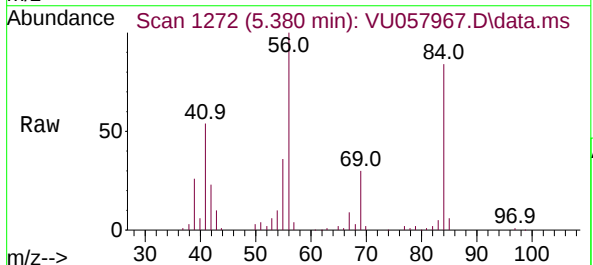
Instrument :
MSVOA_U
ClientSampleId :

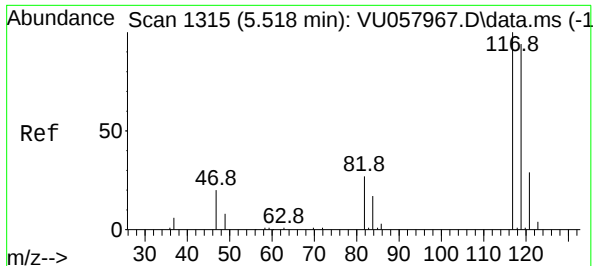
Tgt Ion:	97	Resp:	87456
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.8	37.4	56.2



#30
Cyclohexane
Concen: 4.519 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion:	56	Resp:	89194
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.2	36.2
84	83.2	66.6	99.8

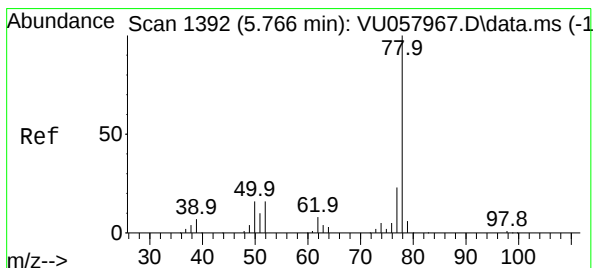
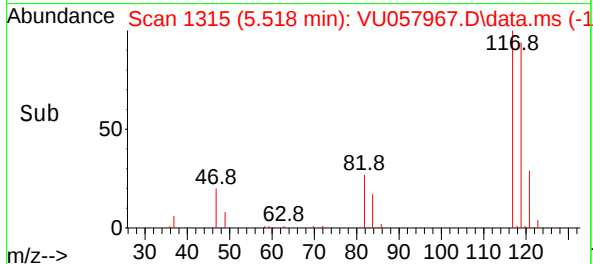
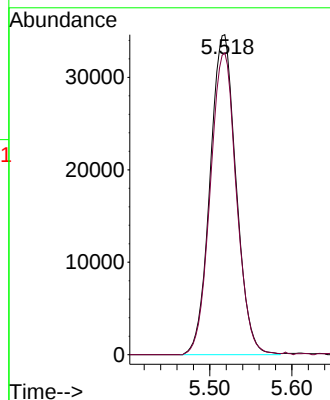
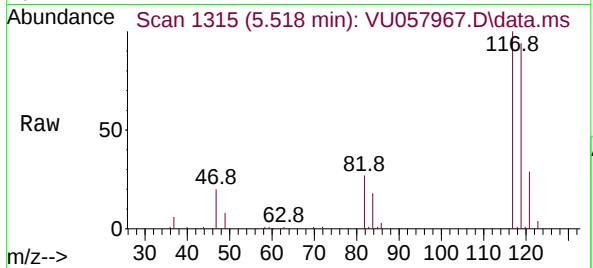




#31
Carbon tetrachloride
Concen: 4.302 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

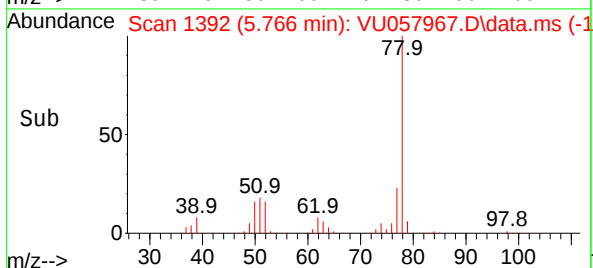
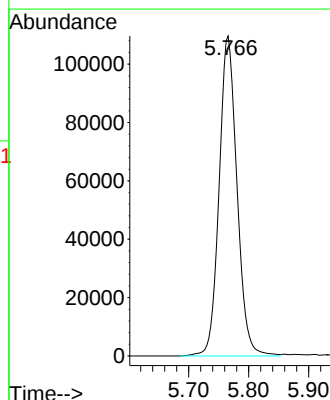
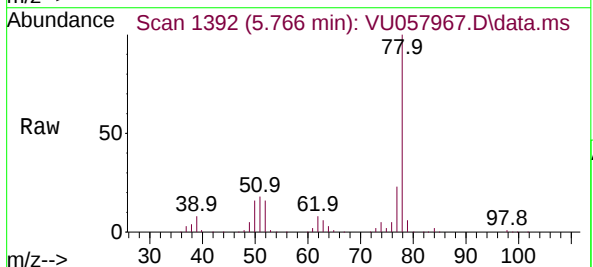
Instrument :
MSVOA_U
ClientSampleId :

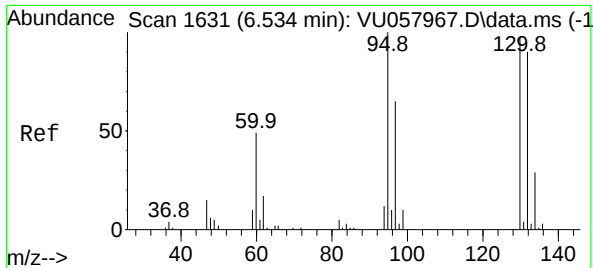
Tgt Ion:117 Resp: 76353
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8



#33
Benzene
Concen: 4.717 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 78 Resp: 226520

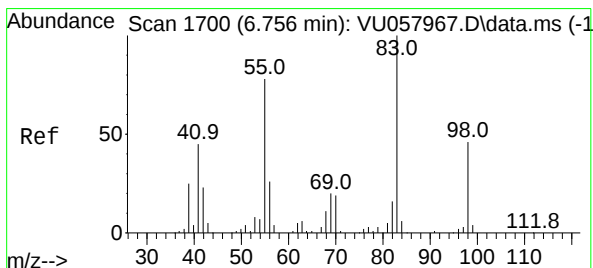
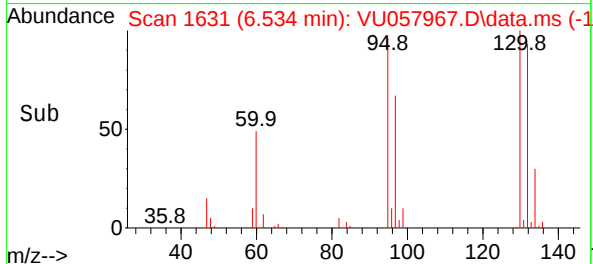
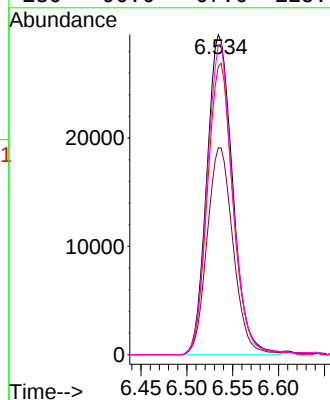
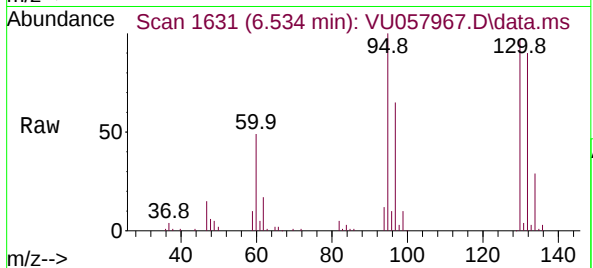




#34
Trichloroethene
Concen: 4.403 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

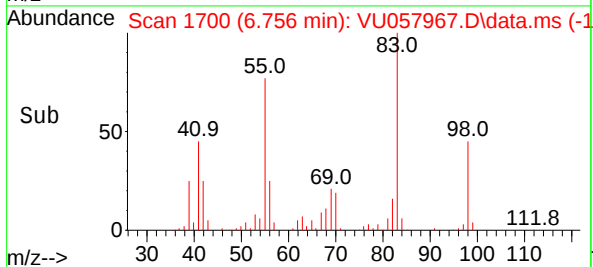
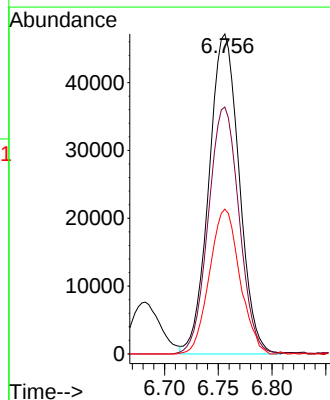
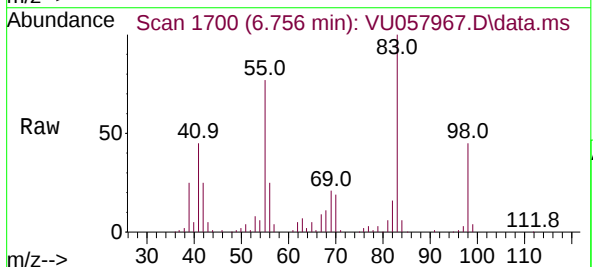
Instrument :
MSVOA_U
ClientSampleId :

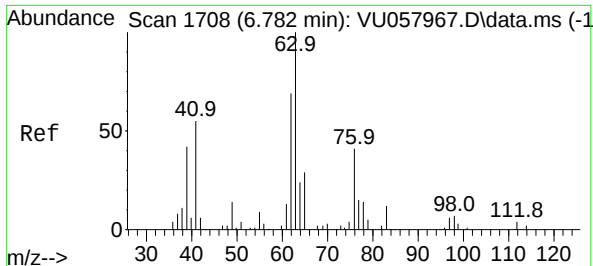
Tgt Ion: 95 Resp: 57811
Ion Ratio Lower Upper
95 100
97 64.7 45.3 84.1
132 90.1 63.1 117.1
130 96.6 67.6 125.6



#35
Methylcyclohexane
Concen: 4.368 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 83 Resp: 92373
Ion Ratio Lower Upper
83 100
55 78.8 63.0 94.6
98 45.3 36.2 54.4

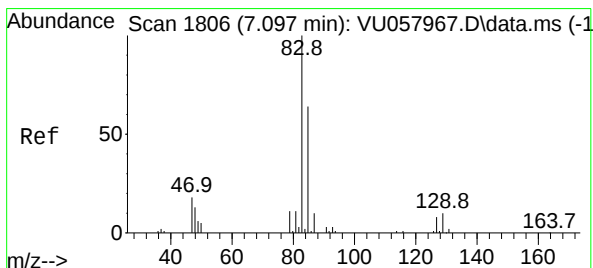
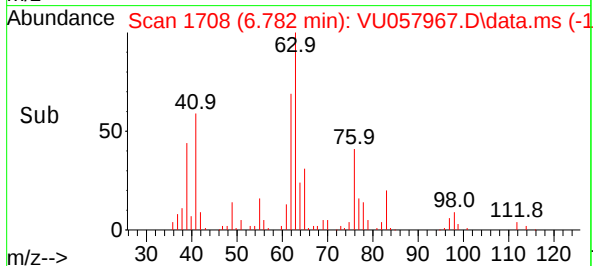
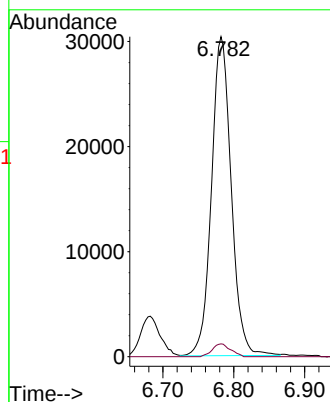
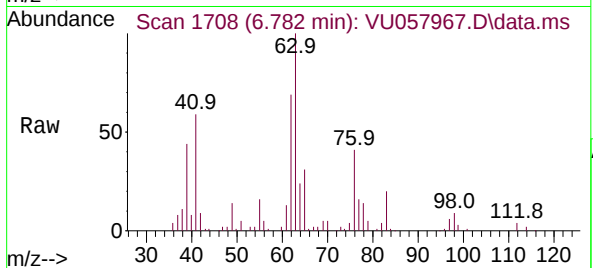




#37
1,2-Dichloropropane
Concen: 4.869 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

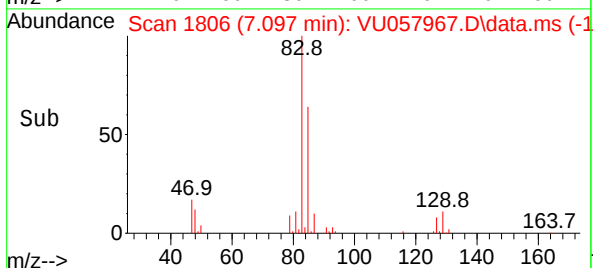
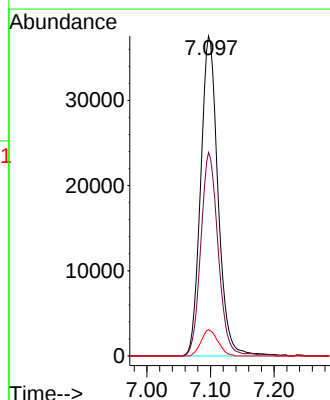
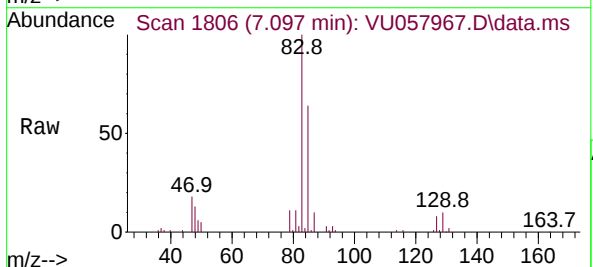
Instrument :
MSVOA_U
ClientSampleId :

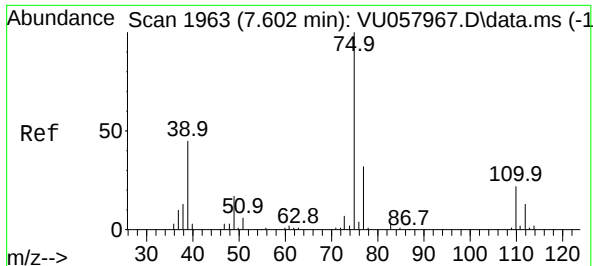
Tgt Ion: 63 Resp: 58874
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.4



#38
Bromodichloromethane
Concen: 4.459 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 83 Resp: 71174
Ion Ratio Lower Upper
83 100
85 63.6 44.5 82.7
127 8.2 6.6 9.8

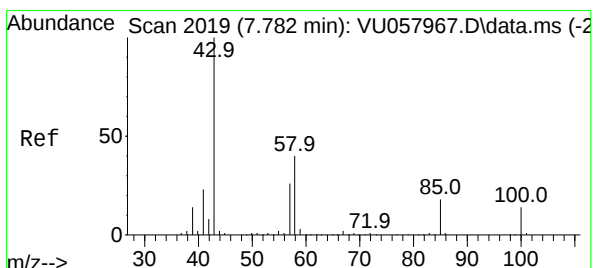
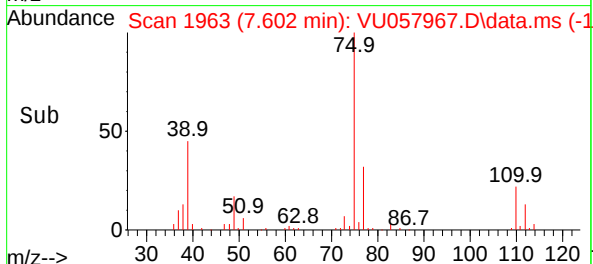
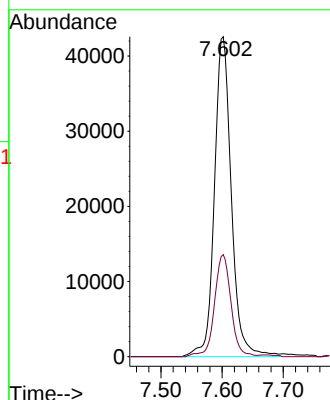
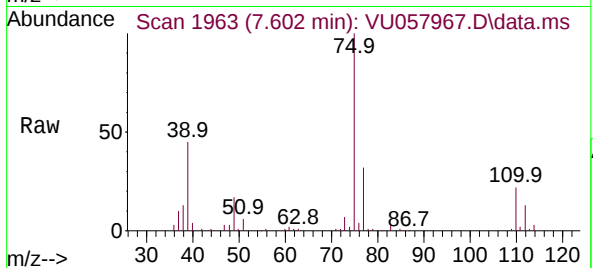




#39
cis-1,3-Dichloropropene
Concen: 4.454 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

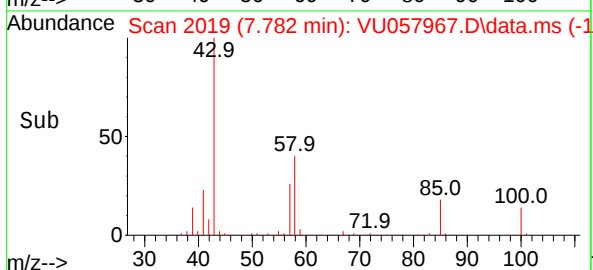
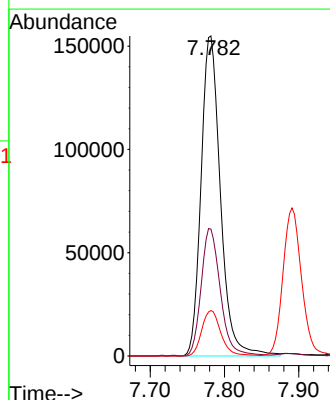
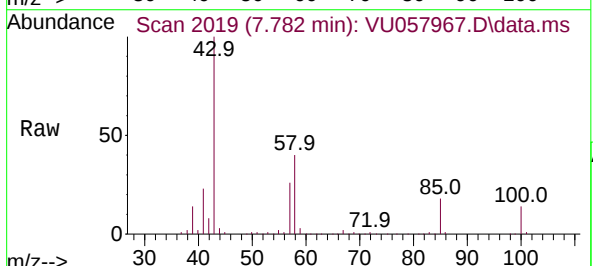
Instrument :
MSVOA_U
ClientSampleId :

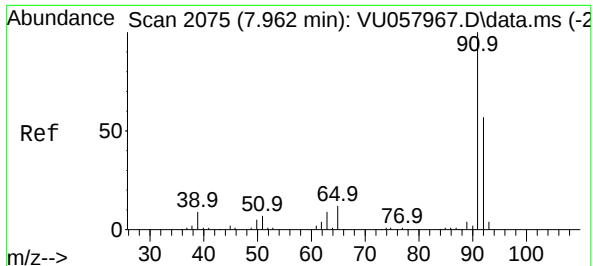
Tgt Ion: 75 Resp: 81981
Ion Ratio Lower Upper
75 100
77 31.9 22.3 41.5



#40
4-Methyl-2-pentanone
Concen: 48.772 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 43 Resp: 281378
Ion Ratio Lower Upper
43 100
58 39.6 31.7 47.5
100 14.1 11.3 16.9





#42

Toluene

Concen: 4.661 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

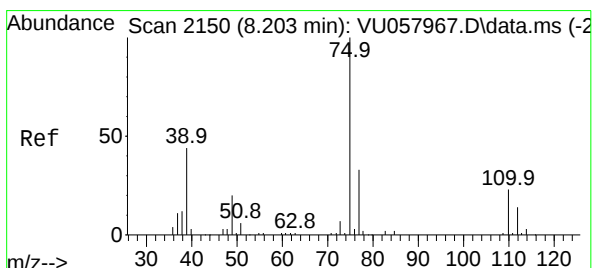
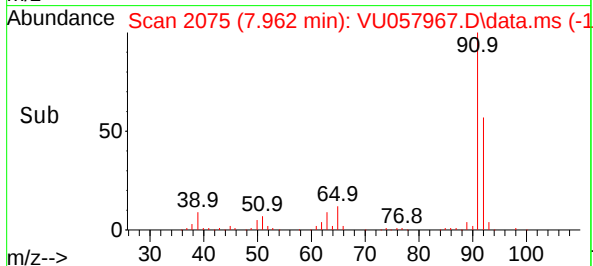
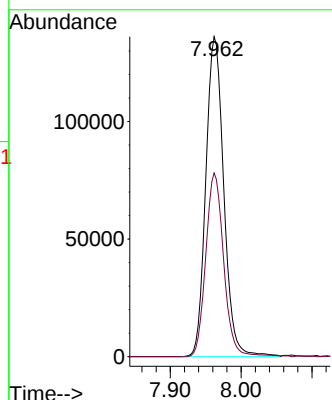
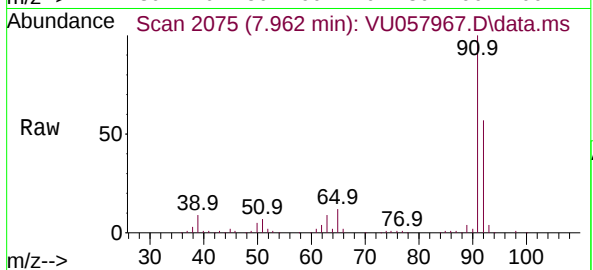
ClientSampleId :

Tgt Ion: 91 Resp: 239861

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.367 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057967.D

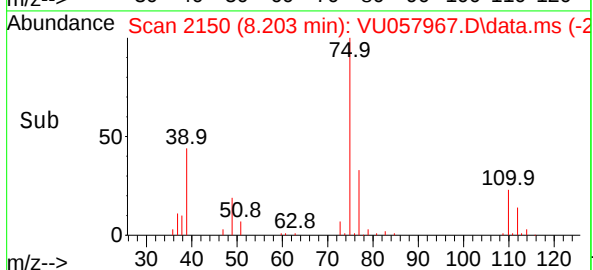
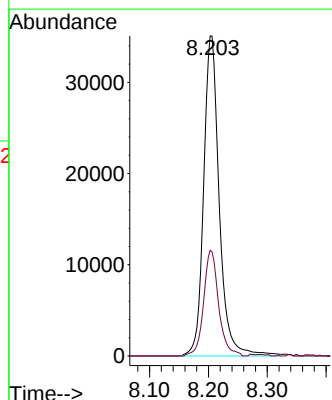
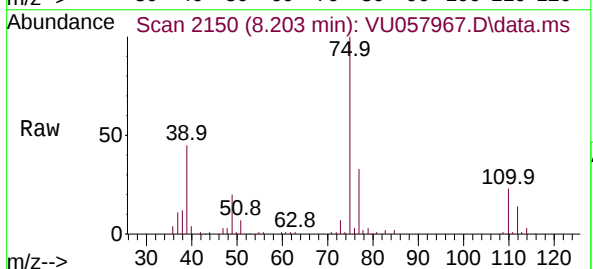
Acq: 29 Feb 2024 10:30

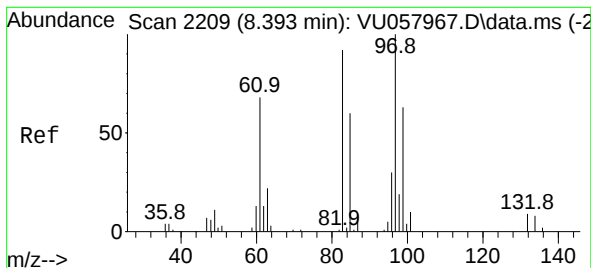
Tgt Ion: 75 Resp: 64849

Ion Ratio Lower Upper

75 100

77 33.0 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 4.531 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 34967

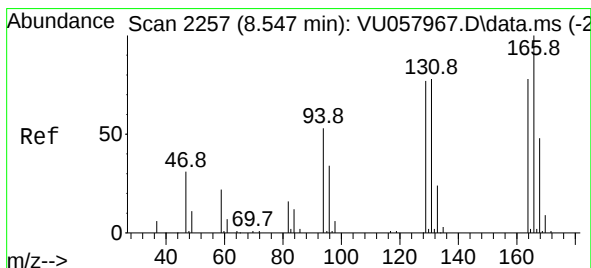
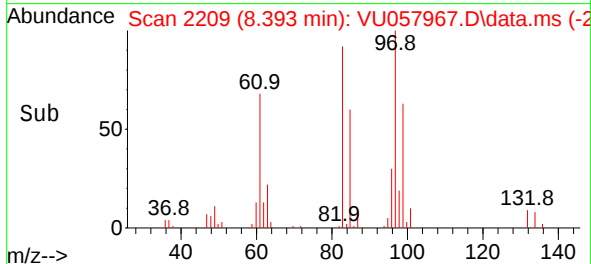
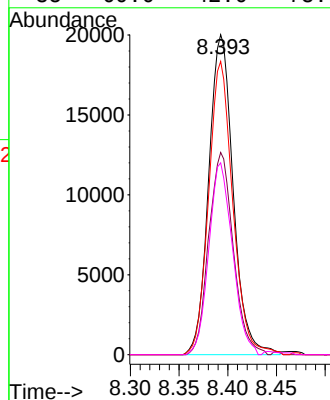
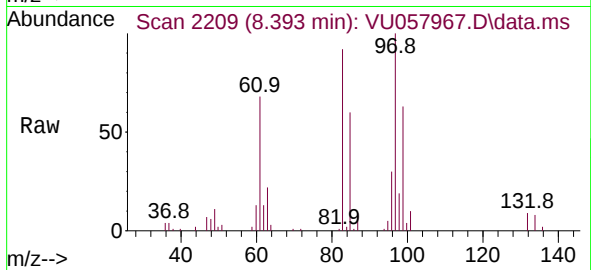
Ion Ratio Lower Upper

97 100

99 63.2 44.2 82.2

83 91.7 64.2 119.2

85 60.0 42.0 78.0



#47

Tetrachloroethene

Concen: 4.273 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Tgt Ion:164 Resp: 40673

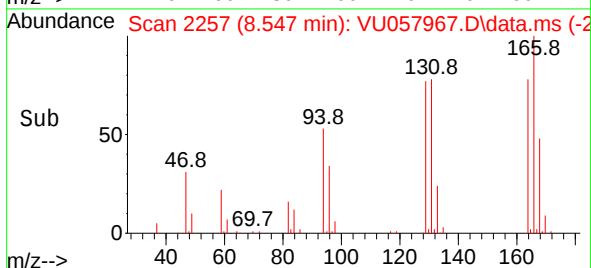
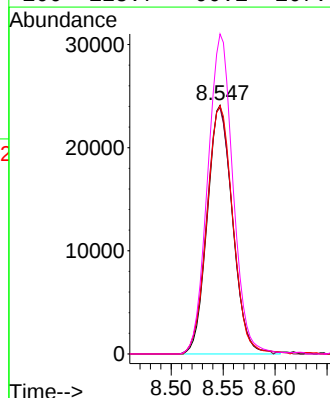
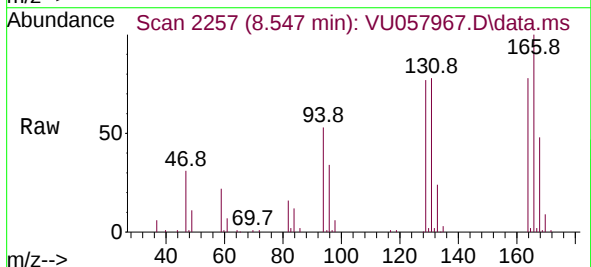
Ion Ratio Lower Upper

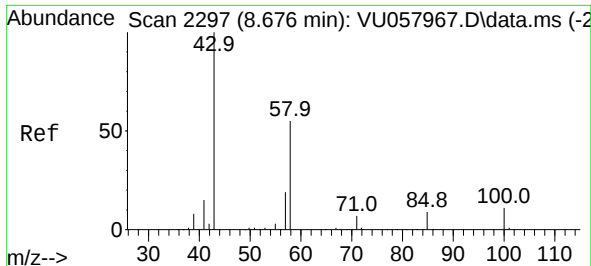
164 100

129 99.0 69.3 128.7

131 99.9 69.9 129.9

166 128.7 90.1 167.3





#48

2-Hexanone

Concen: 49.375 ug/L

RT: 8.676 min Scan# 2297

Delta R.T. 0.000 min

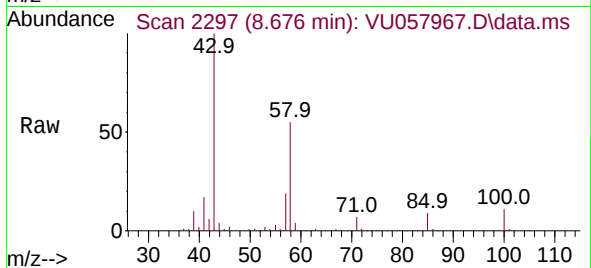
Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 201346

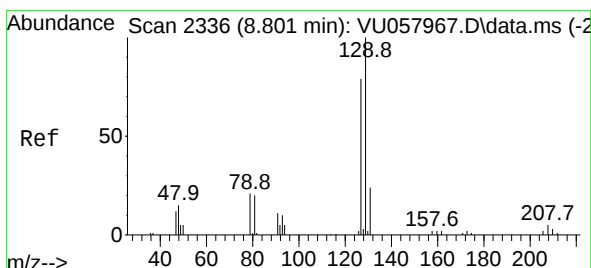
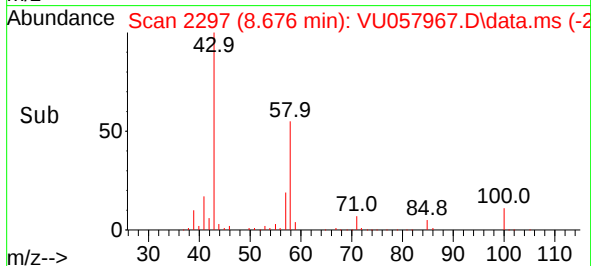
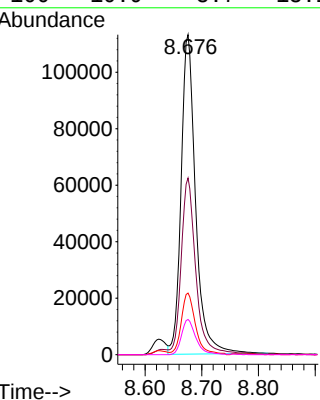
Ion Ratio Lower Upper

43 100

58 54.1 43.3 64.9

57 19.0 15.2 22.8

100 10.9 8.7 13.1



#49

Dibromochloromethane

Concen: 4.244 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VU057967.D

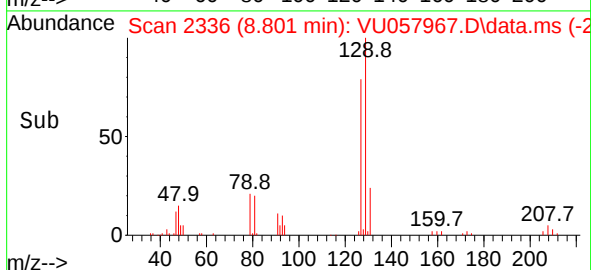
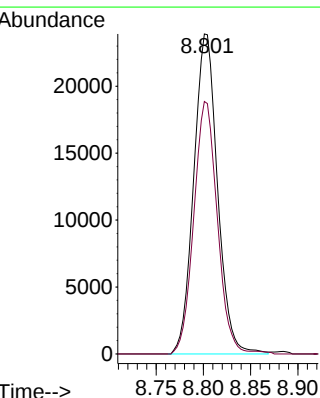
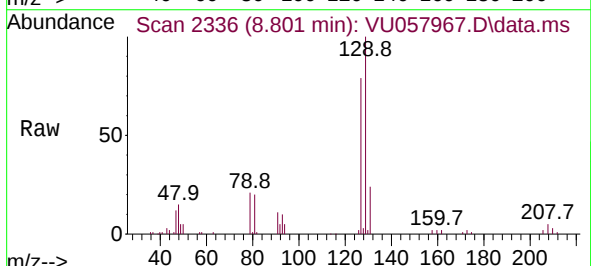
Acq: 29 Feb 2024 10:30

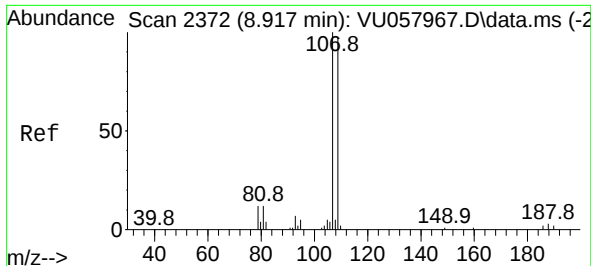
Tgt Ion: 129 Resp: 41910

Ion Ratio Lower Upper

129 100

127 78.9 55.2 102.6

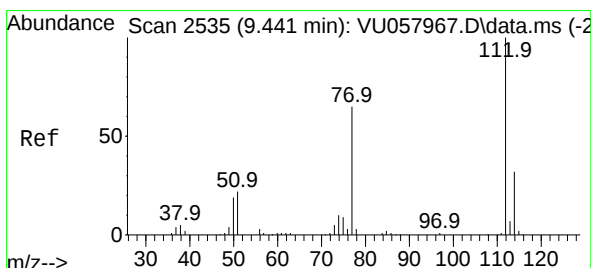
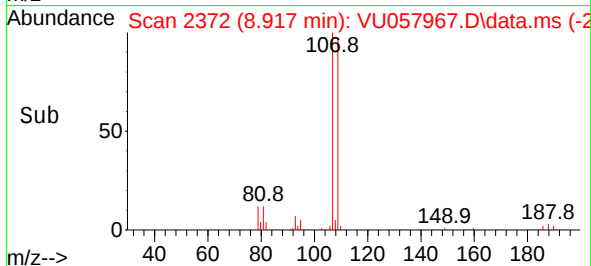
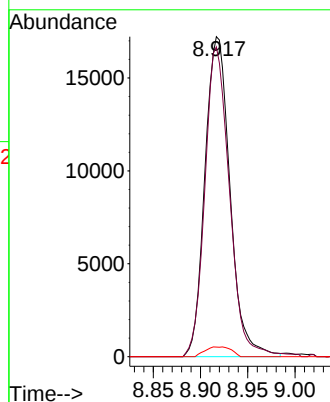
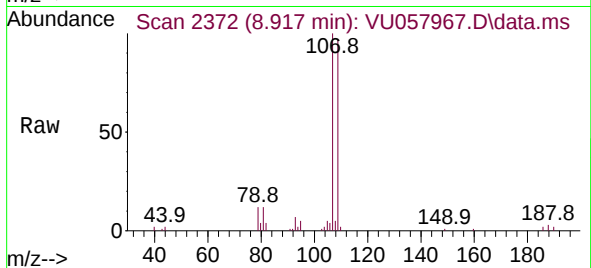




#50
1,2-Dibromoethane
Concen: 4.296 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

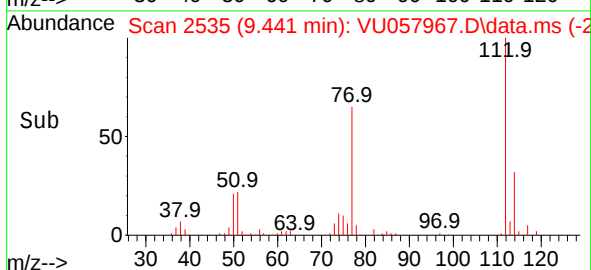
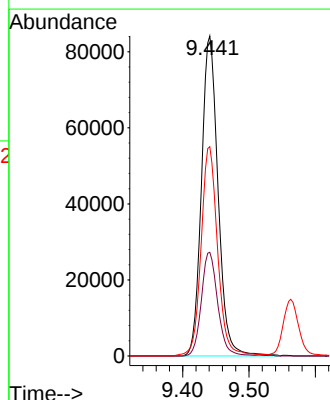
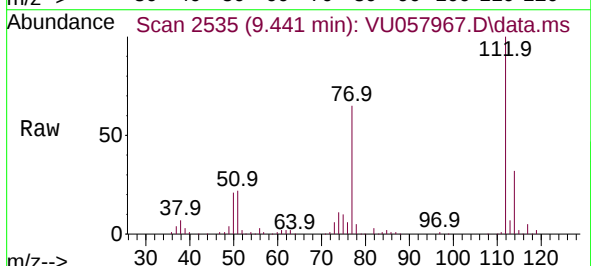
Instrument :
MSVOA_U
ClientSampleId :

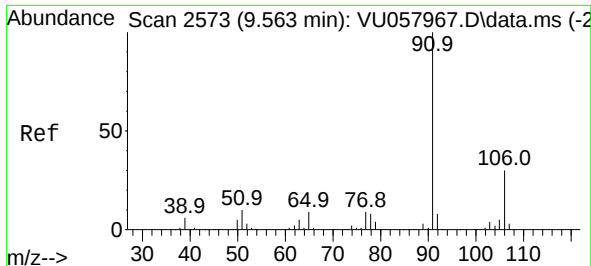
Tgt Ion:107 Resp: 31811
Ion Ratio Lower Upper
107 100
109 96.8 67.8 125.8
188 3.0 2.4 3.6



#51
Chlorobenzene
Concen: 4.540 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion:112 Resp: 146063
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 65.4 52.3 78.5





#52

Ethylbenzene

Concen: 4.555 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

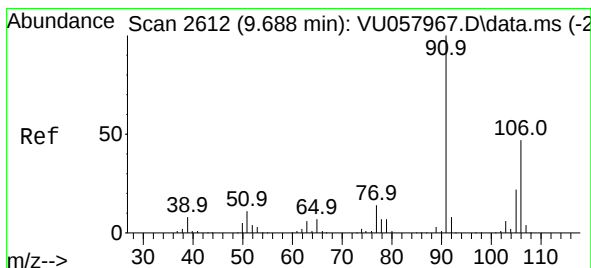
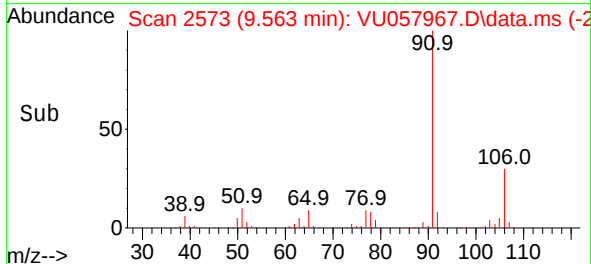
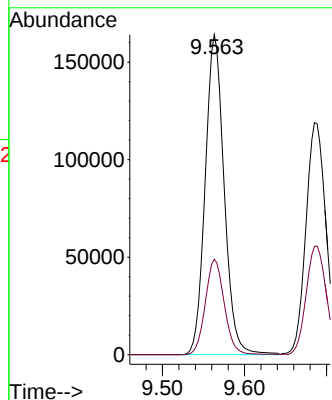
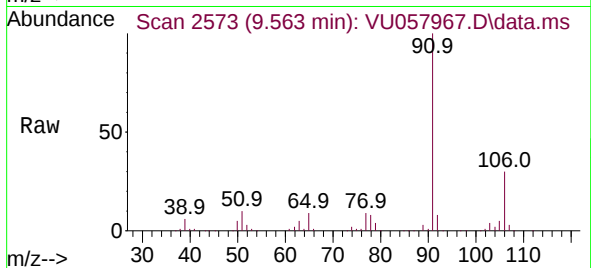
ClientSampleId :

Tgt Ion: 91 Resp: 263013

Ion Ratio Lower Upper

91 100

106 29.8 20.9 38.7



#53

m,p-Xylene

Concen: 4.523 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.000 min

Lab File: VU057967.D

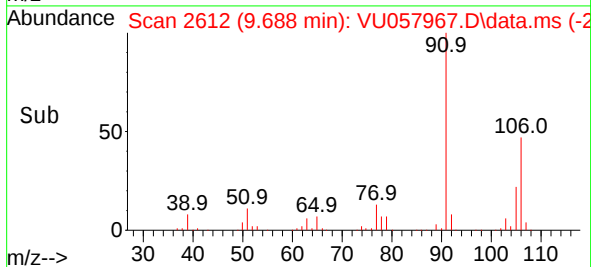
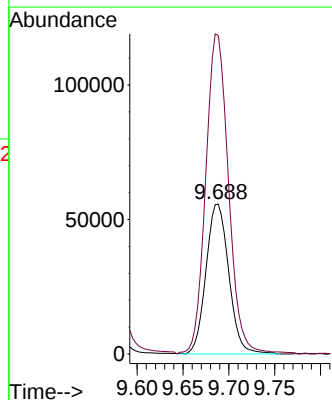
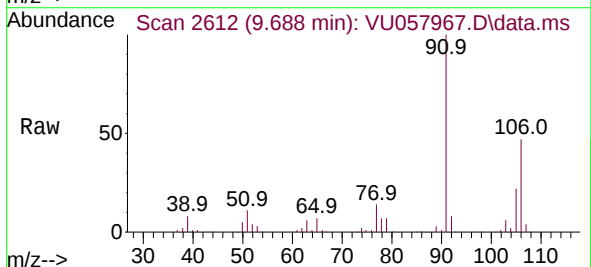
Acq: 29 Feb 2024 10:30

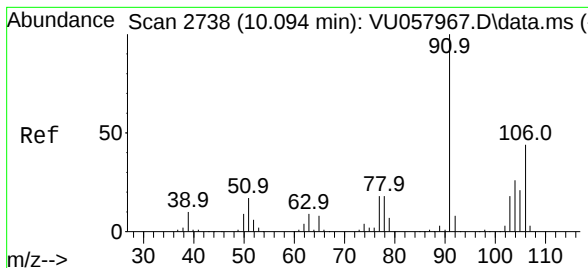
Tgt Ion:106 Resp: 96548

Ion Ratio Lower Upper

106 100

91 212.6 148.8 276.4





#54

o-Xylene

Concen: 4.508 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

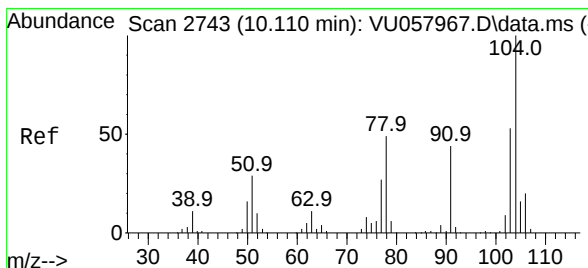
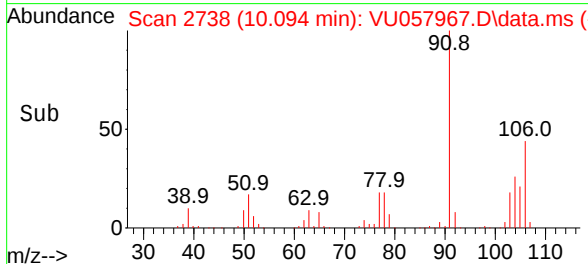
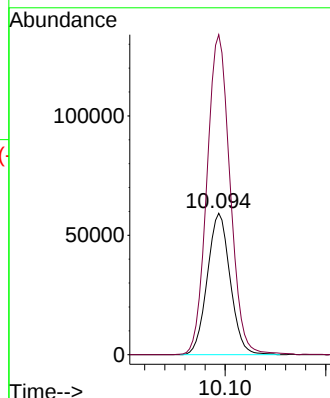
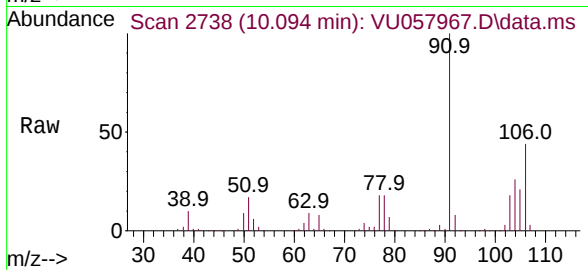
ClientSampleId :

Tgt Ion:106 Resp: 93485

Ion Ratio Lower Upper

106 100

91 226.2 158.3 294.1



#55

Styrene

Concen: 4.750 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057967.D

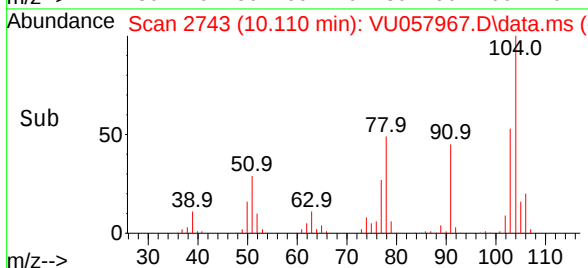
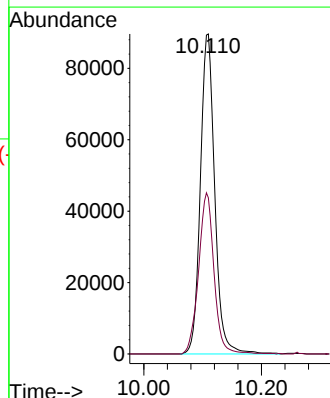
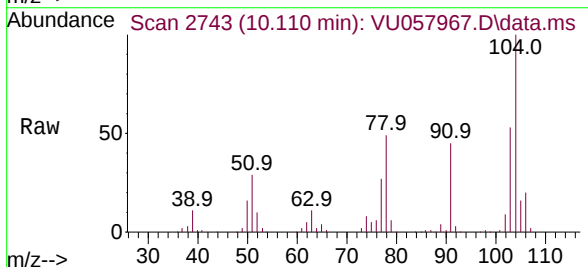
Acq: 29 Feb 2024 10:30

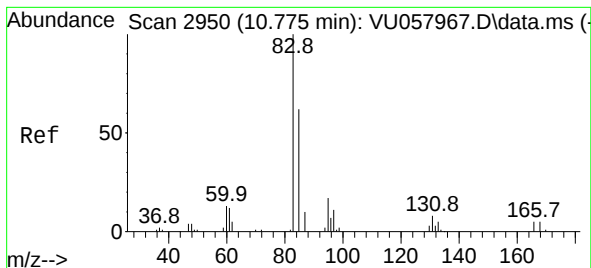
Tgt Ion:104 Resp: 152297

Ion Ratio Lower Upper

104 100

78 48.8 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.477 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

ClientSampleId :

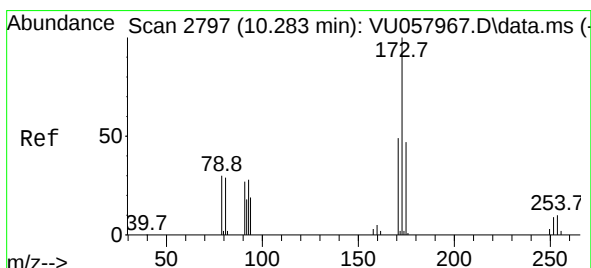
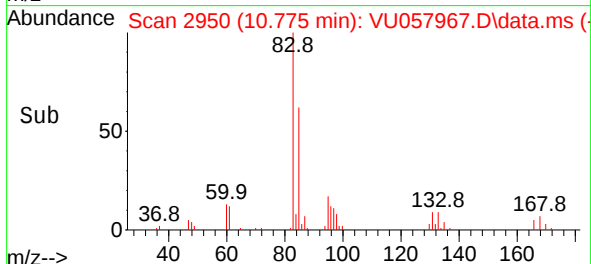
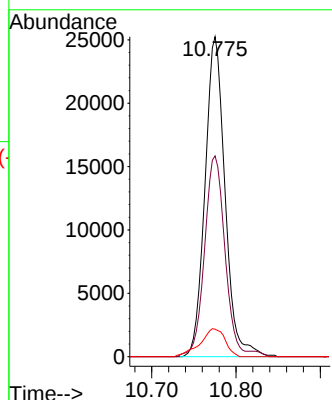
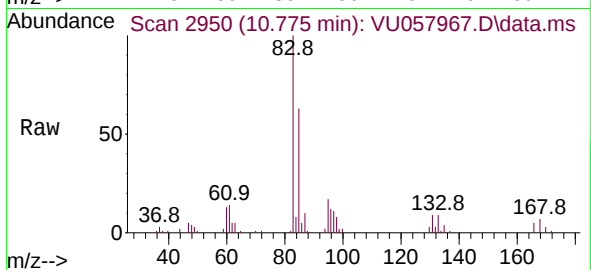
Tgt Ion: 83 Resp: 41750

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

131 8.6 6.9 10.3



#59

Bromoform

Concen: 3.754 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

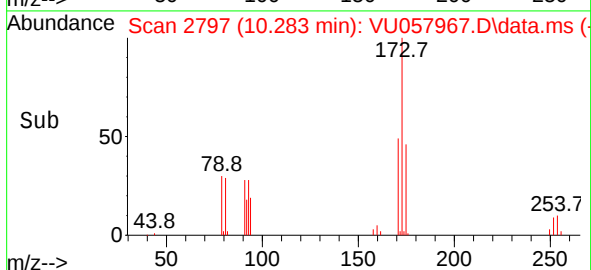
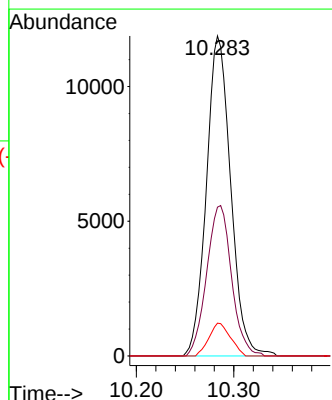
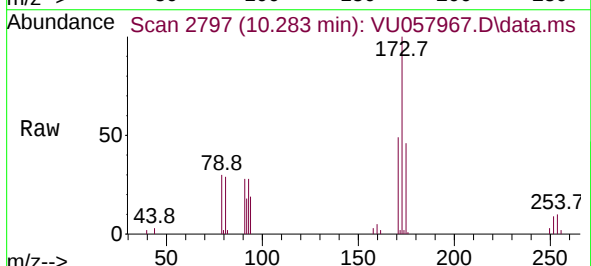
Tgt Ion:173 Resp: 20552

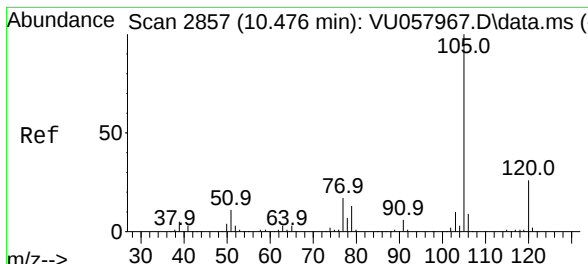
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 9.1 7.3 10.9

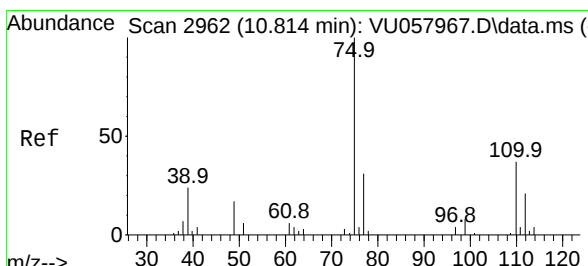
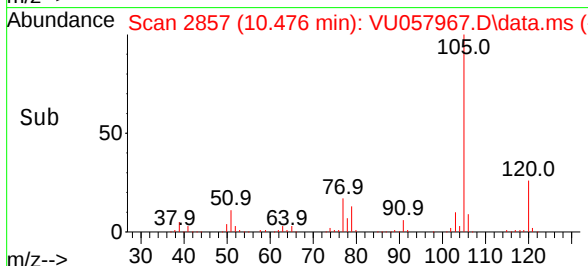
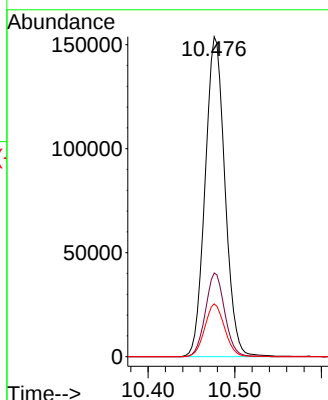
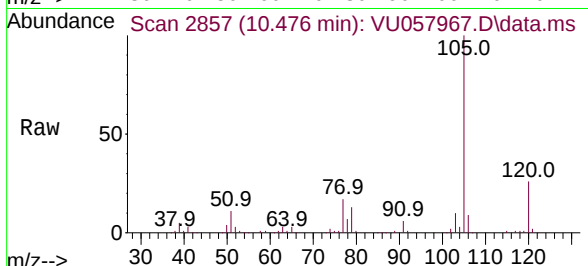




#60
Isopropylbenzene
Concen: 4.406 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

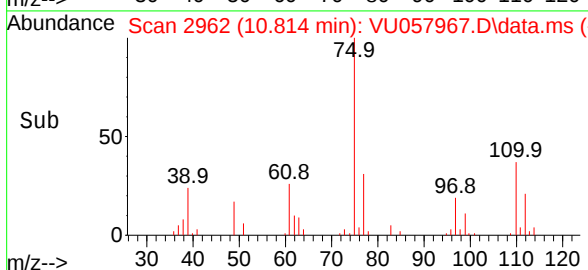
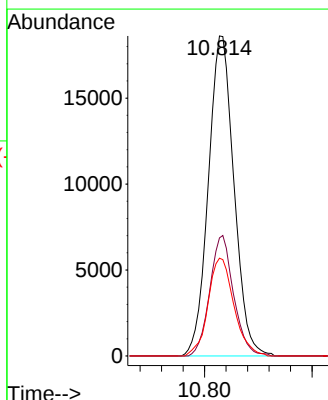
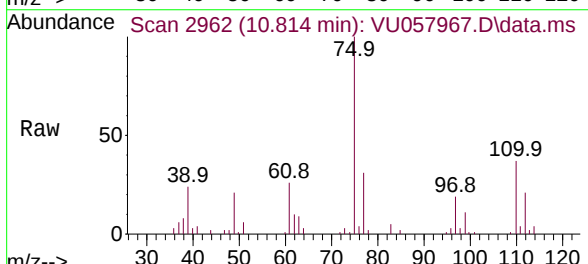
Instrument :
MSVOA_U
ClientSampleId :

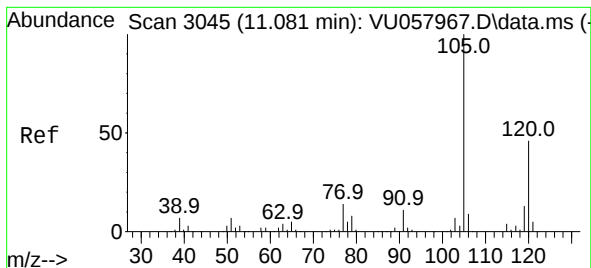
Tgt Ion:105 Resp: 244569
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.364 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion: 75 Resp: 30759
Ion Ratio Lower Upper
75 100
110 35.0 28.0 42.0
77 30.9 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 4.202 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

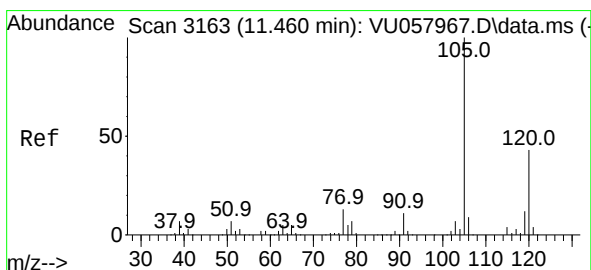
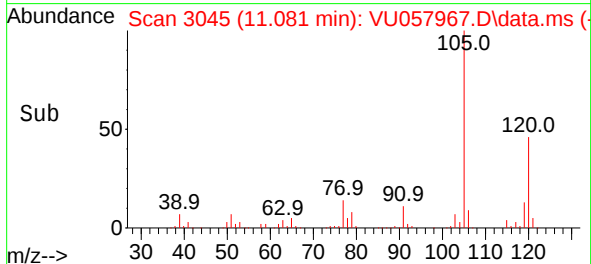
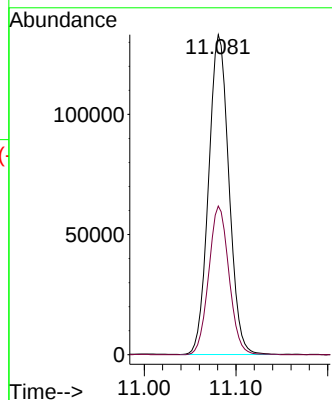
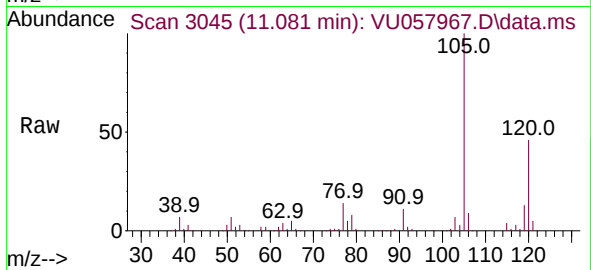
ClientSampleId :

Tgt Ion:105 Resp: 204894

Ion Ratio Lower Upper

105 100

120 46.4 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 4.224 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU057967.D

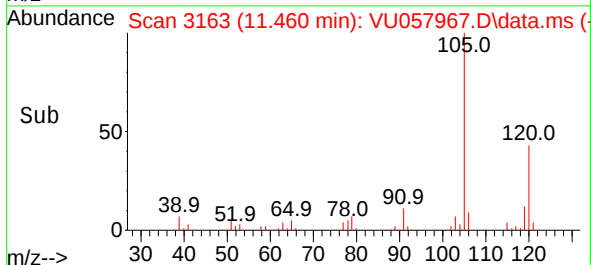
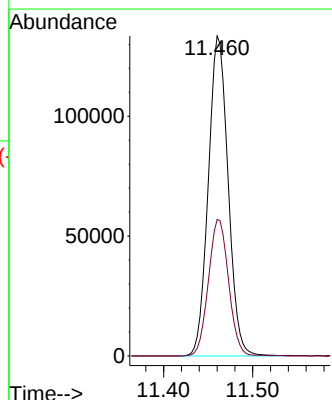
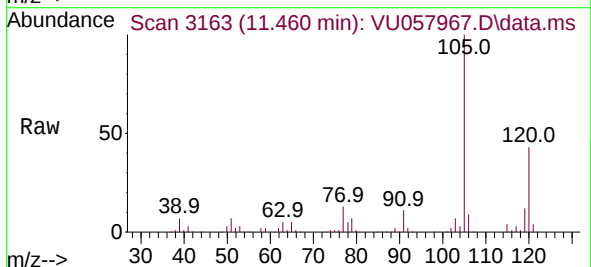
Acq: 29 Feb 2024 10:30

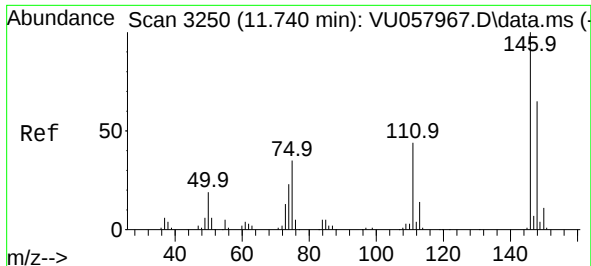
Tgt Ion:105 Resp: 206056

Ion Ratio Lower Upper

105 100

120 43.5 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 4.301 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

ClientSampleId :

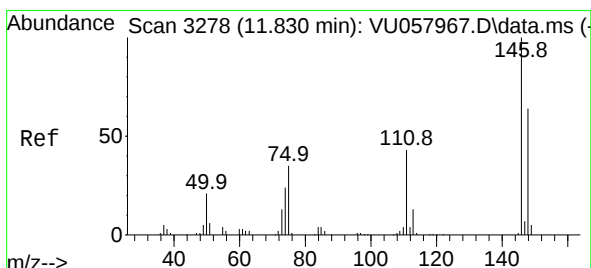
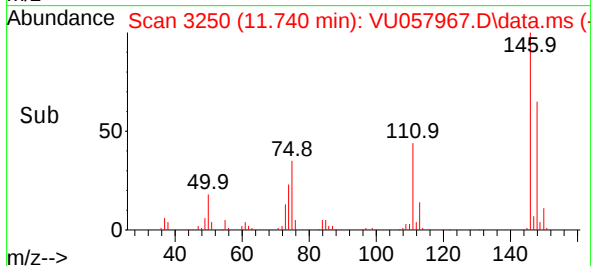
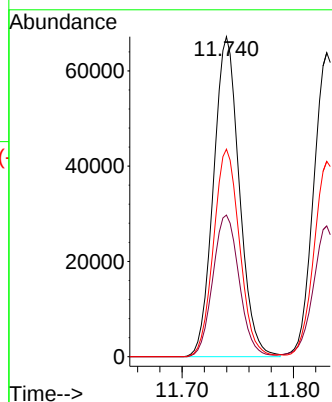
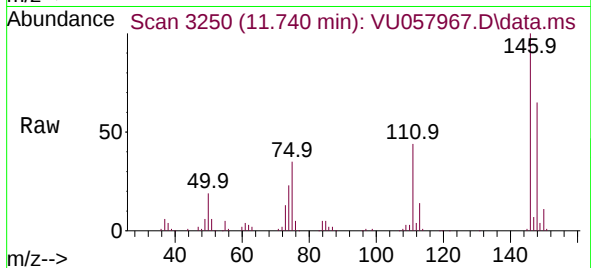
Tgt Ion:146 Resp: 108115

Ion Ratio Lower Upper

146 100

111 44.2 30.9 57.5

148 64.9 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 4.351 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

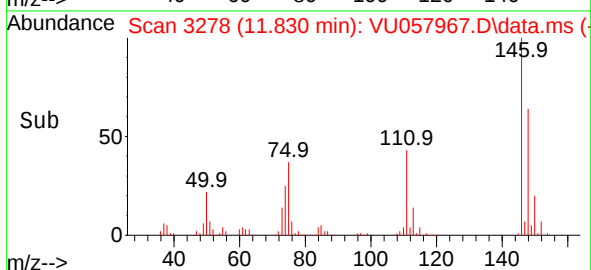
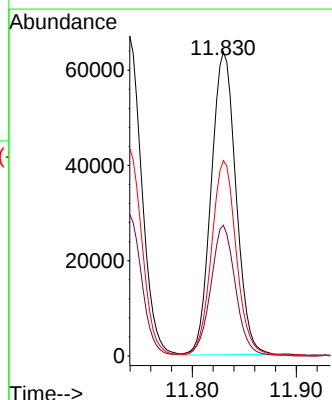
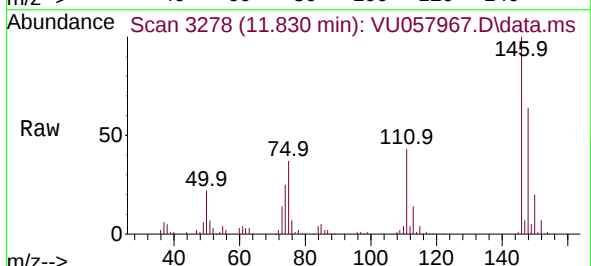
Tgt Ion:146 Resp: 105303

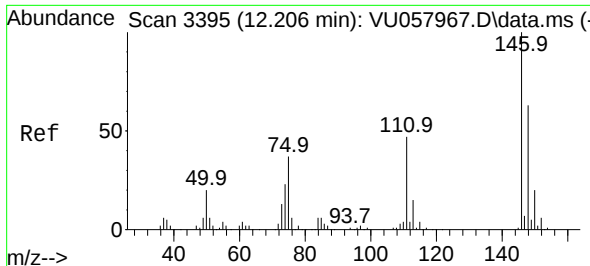
Ion Ratio Lower Upper

146 100

111 43.0 30.1 55.9

148 64.3 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 4.306 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

Instrument :

MSVOA_U

ClientSampleId :

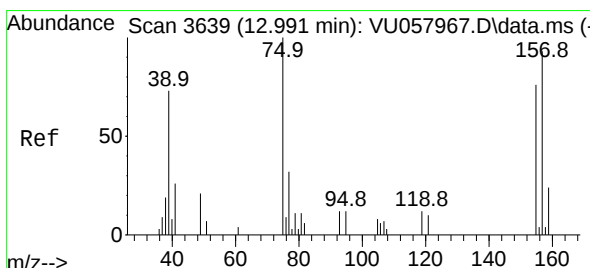
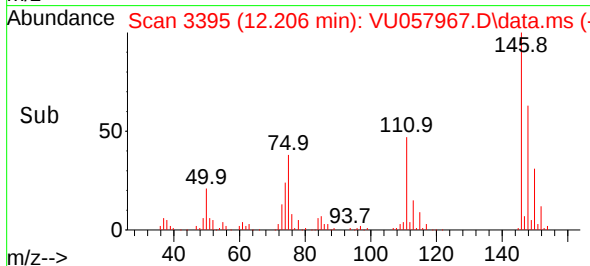
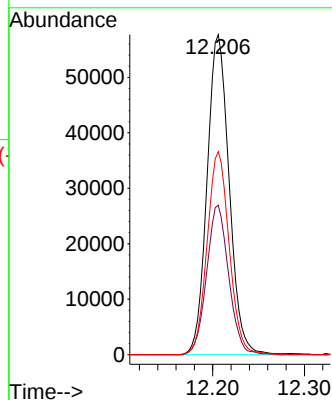
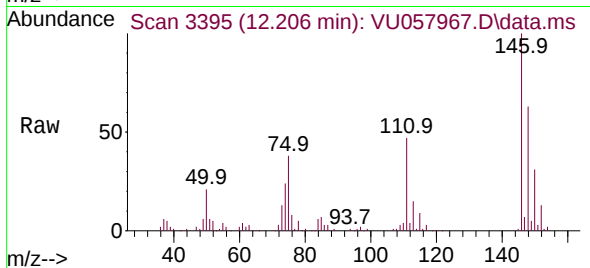
Tgt Ion:146 Resp: 96493

Ion Ratio Lower Upper

146 100

111 46.7 37.4 56.0

148 63.5 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.459 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057967.D

Acq: 29 Feb 2024 10:30

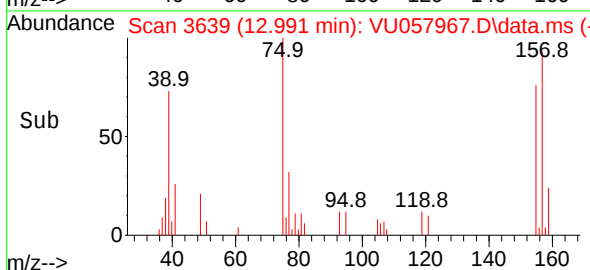
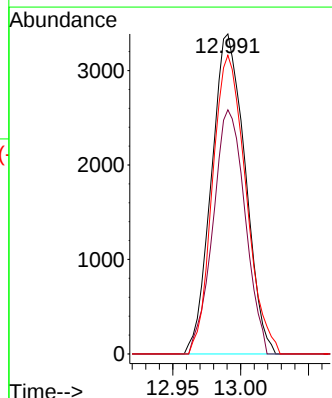
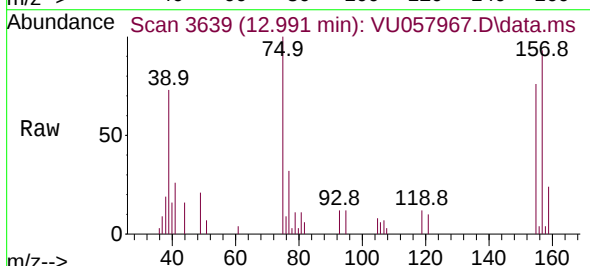
Tgt Ion: 75 Resp: 5842

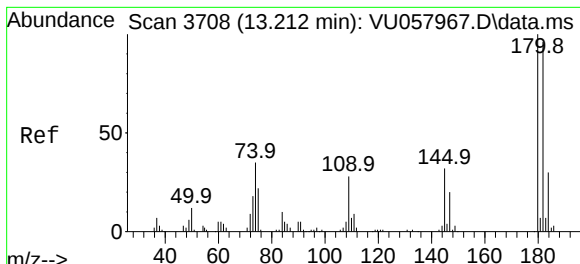
Ion Ratio Lower Upper

75 100

155 76.3 61.0 91.6

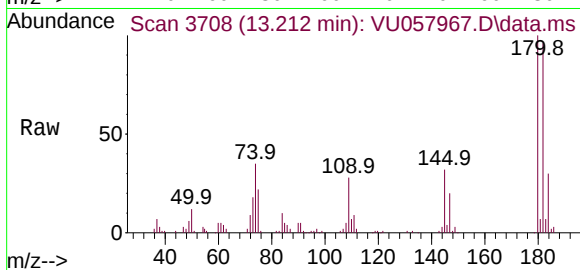
157 93.3 74.6 112.0





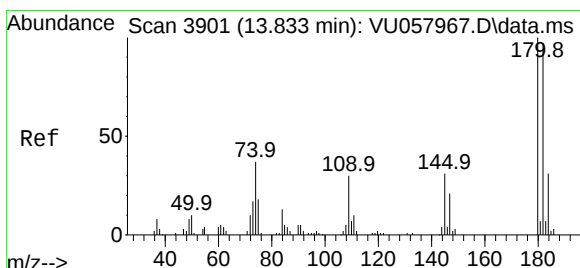
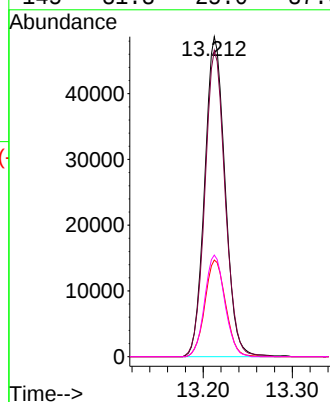
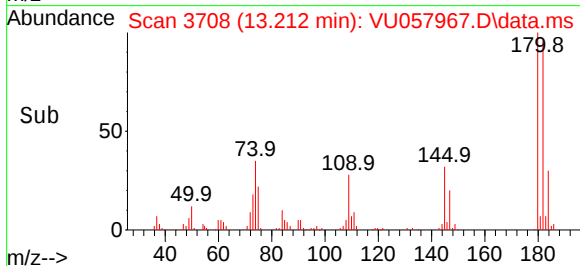
#69
 1,3,5-Trichlorobenzene
 Concen: 4.227 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057967.D
 Acq: 29 Feb 2024 10:30

Instrument :
 MSVOA_U
 ClientSampleId :

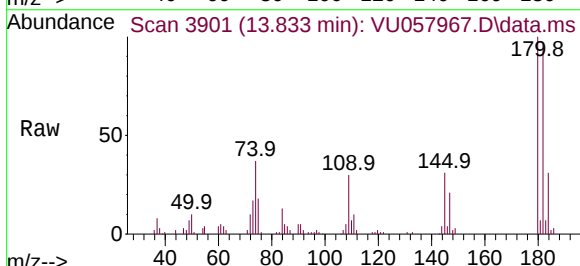


Tgt Ion:180 Resp: 77179

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	30.7	24.6	36.8
145	31.3	25.0	37.6

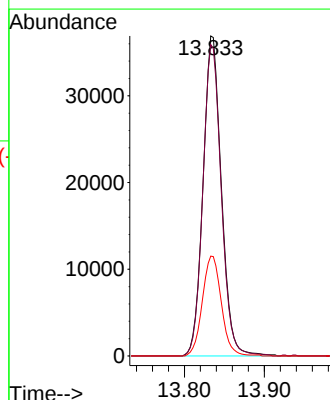
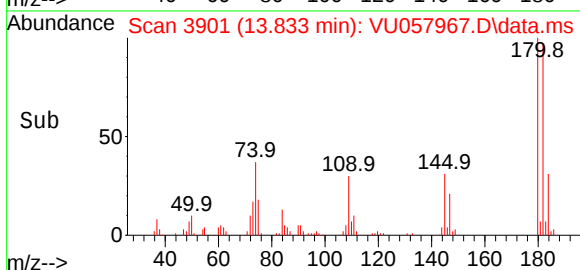


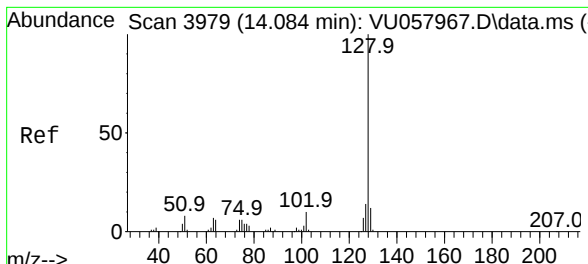
#70
 1,2,4-trichlorobenzene
 Concen: 4.359 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU057967.D
 Acq: 29 Feb 2024 10:30



Tgt Ion:180 Resp: 58941

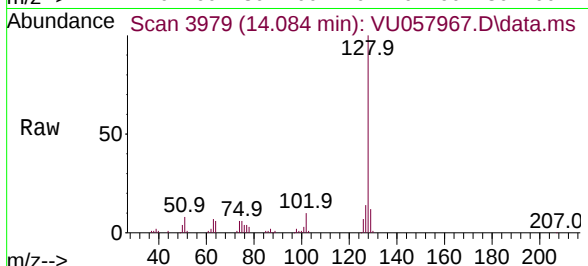
Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
145	32.3	25.8	38.8



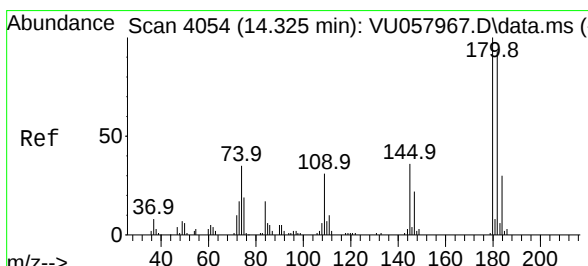
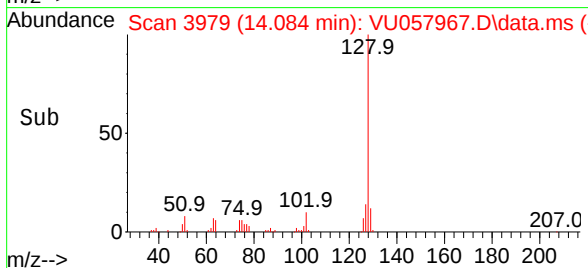
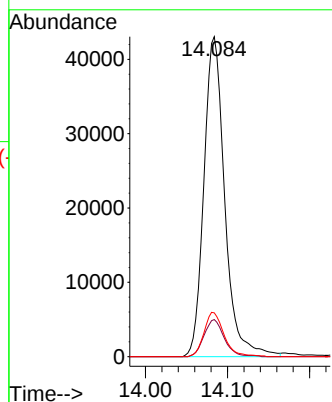


#71
Naphthalene
Concen: 4.007 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.3	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.290 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU057967.D
Acq: 29 Feb 2024 10:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.6	116.4
145	35.9	28.7	43.1

