

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011824\
 Data File : VU057557.D
 Acq On : 18 Jan 2024 13:26
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 19 01:28:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011824WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 01:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	406593	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	527240	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	164215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	18642	4.566	ug/L	0.00
7) Chloroethane-d5	1.914	69	15133	4.796	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	37138	5.045	ug/L	0.00
21) 2-Butanone-d5	4.660	46	10255	5.794	ug/L	0.03
24) Chloroform-d	5.055	84	36230	5.776	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	23554	6.056	ug/L	0.00
32) Benzene-d6	5.721	84	65872	4.492	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	20584	3.791	ug/L	0.00
41) Toluene-d8	7.894	98	47281	3.145	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	10508	3.889	ug/L	0.00
47) 2-Hexanone-d5	8.663	63	12130	6.814	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.759	84	34154	4.814	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.197	152	15610	4.891	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	27745	5.228	ug/L	100
3) Chloromethane	1.518	50	25341	4.916	ug/L	96
5) Vinyl chloride	1.605	62	19881	4.088	ug/L	98
6) Bromomethane	1.859	94	8185	3.712	ug/L	92
8) Chloroethane	1.936	64	12103	4.392	ug/L	91
9) Trichlorofluoromethane	2.133	101	30684	5.154	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	18007	4.773	ug/L	100
12) 1,1-Dichloroethene	2.570	96	15338	4.555	ug/L	93
13) Acetone	2.647	43	28274	10.292	ug/L	90
14) Carbon disulfide	2.785	76	54475	4.601	ug/L	98
15) Methyl Acetate	2.956	43	15427	4.217	ug/L	99
16) Methylene chloride	3.043	84	19419	4.665	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	14687	4.154	ug/L	89
18) Methyl tert-butyl Ether	3.358	73	41981	3.860	ug/L #	95
19) 1,1-Dichloroethane	3.862	63	29224	4.931	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	14351	4.787	ug/L	89
22) 2-Butanone	4.686	43	73	0.032	ug/L #	1
23) Bromochloromethane	4.975	128	8855	5.513	ug/L	96
25) Chloroform	5.081	83	33126	5.465	ug/L	95
27) 1,2-Dichloroethane	5.792	62	26396	5.413	ug/L	100
29) Cyclohexane	5.380	56	20924	3.733	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	27801	4.400	ug/L	97
31) Carbon tetrachloride	5.518	117	22354	4.360	ug/L	94
33) Benzene	5.769	78	64133	4.140	ug/L	100
34) Trichloroethene	6.541	95	16114	3.532	ug/L	97
35) Methylcyclohexane	6.759	83	22015	3.118	ug/L	94
37) 1,2-Dichloropropane	6.679	63	2474	0.488	ug/L	98
38) Bromodichloromethane	7.100	83	23255	3.605	ug/L	97
39) cis-1,3-Dichloropropene	7.608	75	23174	3.126	ug/L	96
40) 4-Methyl-2-pentanone	7.820	43	32617	5.718	ug/L #	64
42) Toluene	7.965	91	56905	2.935	ug/L	95
44) trans-1,3-Dichloropropene	8.210	75	26903	3.579	ug/L	97

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 ALS Vial : 2 Sample Multiplier: 1

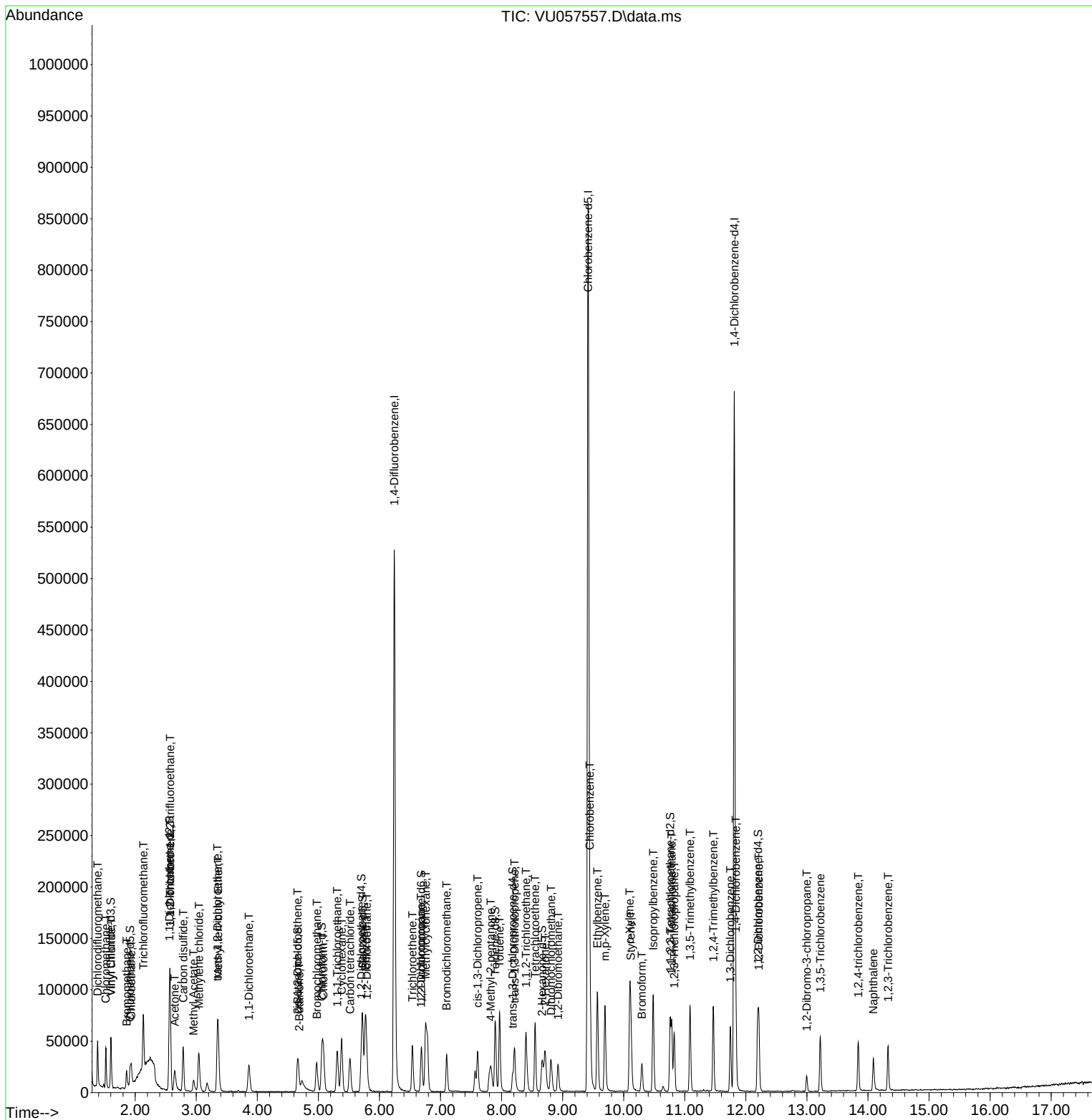
Instrument :
 MSVOA_U
 ClientSampleId :

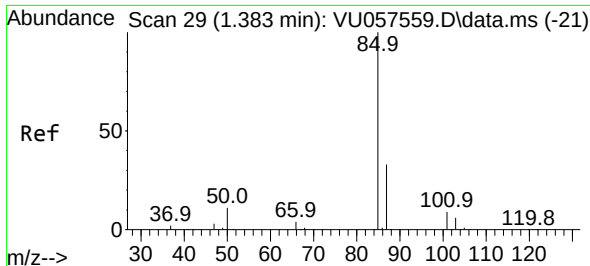
Quant Time: Jan 19 01:28:40 2024
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.399	97	22187	4.598	ug/L	95
46) Tetrachloroethene	8.547	164	14306	4.391	ug/L	96
48) 2-Hexanone	8.711	43	36965	7.360	ug/L	90
49) Dibromochloromethane	8.808	129	20233	4.195	ug/L	97
50) 1,2-Dibromoethane	8.923	107	20644	4.129	ug/L	93
51) Chlorobenzene	9.444	112	51428	4.530	ug/L	96
52) Ethylbenzene	9.570	91	71156	3.753	ug/L	98
53) m,p-Xylene	9.692	106	24395	3.498	ug/L	98
54) o-Xylene	10.097	106	23582	3.520	ug/L	95
55) Styrene	10.116	104	34003	3.031	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.785	83	32493	4.495	ug/L	95
59) Bromoform	10.296	173	13920	5.880	ug/L	97
60) 1,2,3-Trichloropropane	10.827	75	25036	6.128	ug/L	97
61) Isopropylbenzene	10.483	105	59570	4.673	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	46663	4.871	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	43757	4.501	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	24748	4.571	ug/L	96
65) 1,4-Dichlorobenzene	11.836	146	26394	4.781	ug/L	98
67) 1,2-Dichlorobenzene	12.213	146	24344	4.768	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	4272	5.051	ug/L	98
69) 1,3,5-Trichlorobenzene	13.219	180	16865	4.587	ug/L	94
70) 1,2,4-trichlorobenzene	13.840	180	13618	4.786	ug/L	95
71) Naphthalene	14.087	128	26788	3.953	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	12718	4.934	ug/L	100

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

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Quant Title : VOC Analysis
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Response via : Initial Calibration

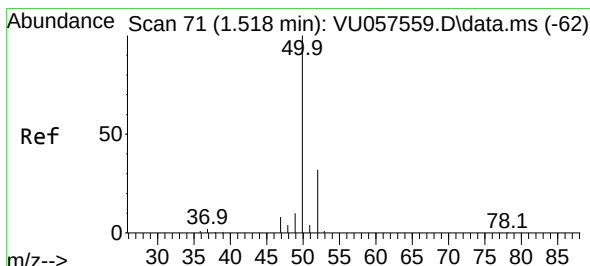
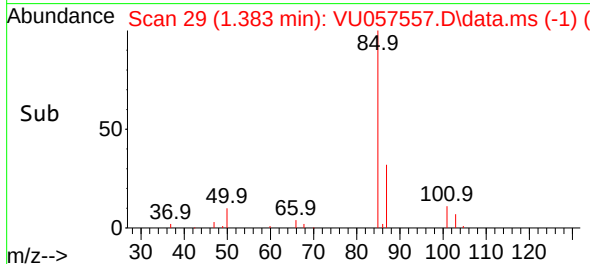
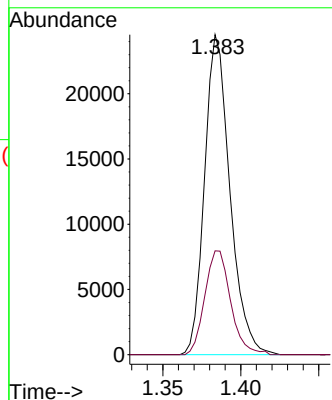
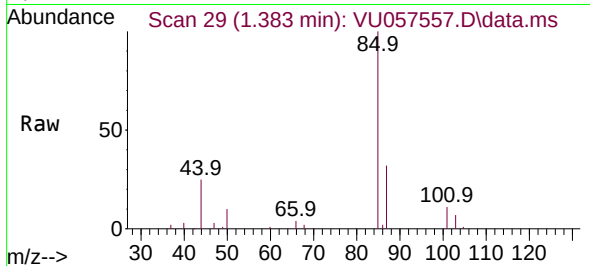




#2
Dichlorodifluoromethane
Concen: 5.228 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

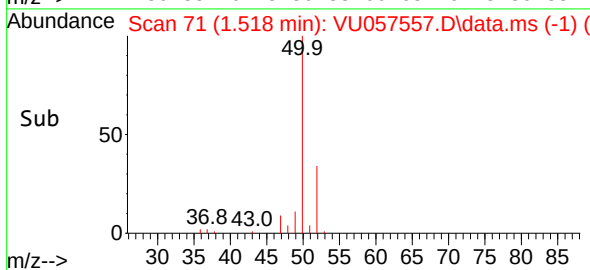
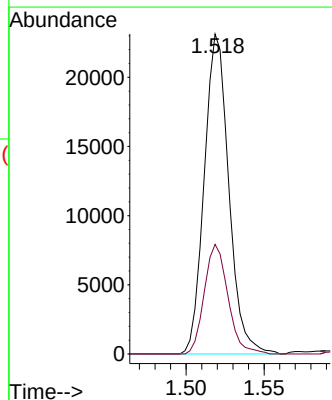
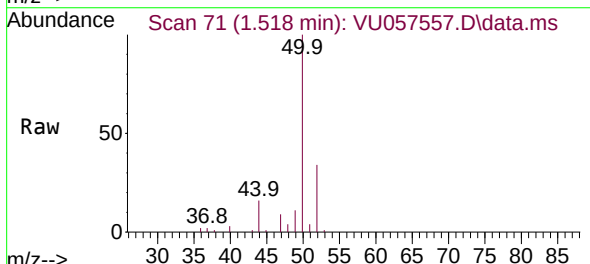
Instrument :
MSVOA_U
ClientSampleId :

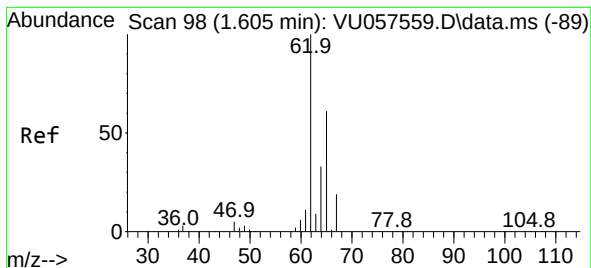
Tgt Ion: 85 Resp: 27745
Ion Ratio Lower Upper
85 100
87 32.8 26.2 39.2



#3
Chloromethane
Concen: 4.916 ug/L
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 50 Resp: 25341
Ion Ratio Lower Upper
50 100
52 34.2 22.5 41.7





#5

Vinyl chloride

Concen: 4.088 ug/L

RT: 1.605 min Scan# 98

Delta R.T. 0.000 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

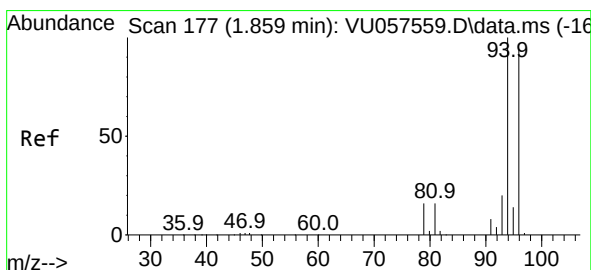
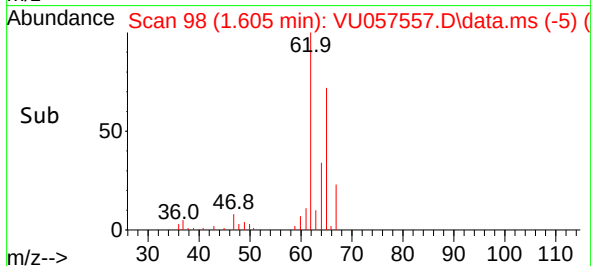
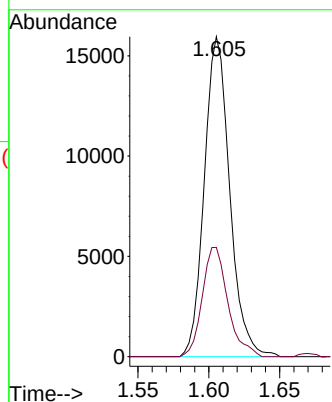
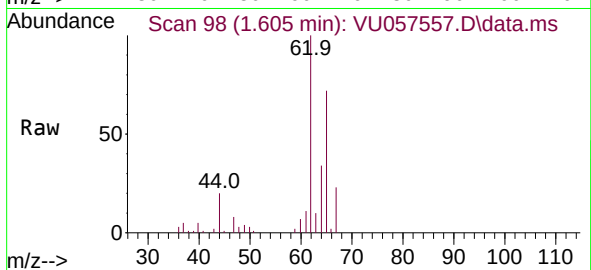
ClientSampleId :

Tgt Ion: 62 Resp: 19881

Ion Ratio Lower Upper

62 100

64 34.2 23.2 43.2



#6

Bromomethane

Concen: 3.712 ug/L

RT: 1.859 min Scan# 177

Delta R.T. 0.000 min

Lab File: VU057557.D

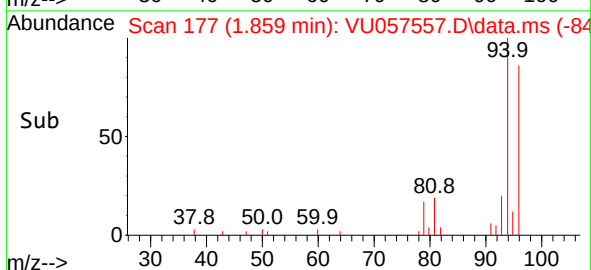
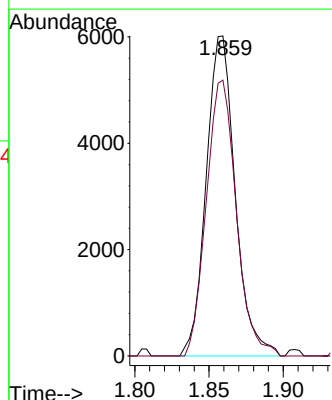
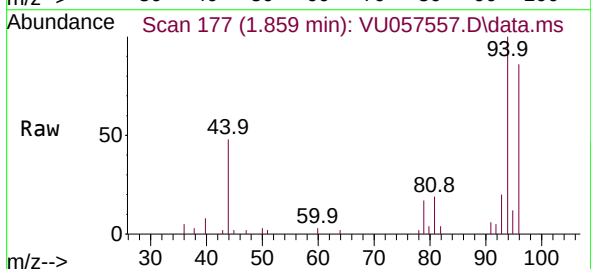
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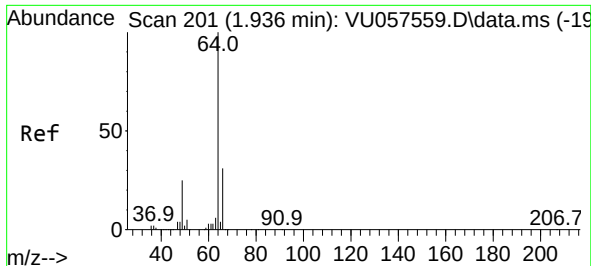
Tgt Ion: 94 Resp: 8185

Ion Ratio Lower Upper

94 100

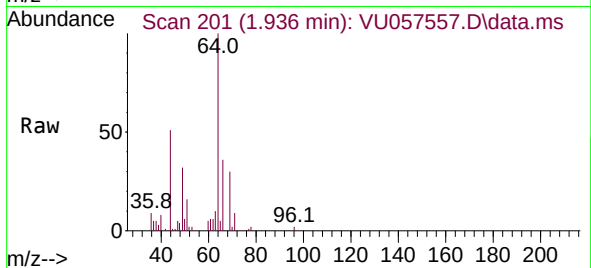
96 86.2 65.8 122.2



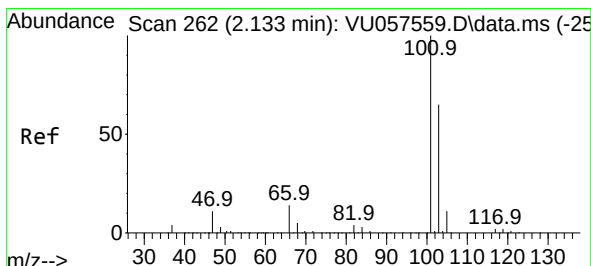
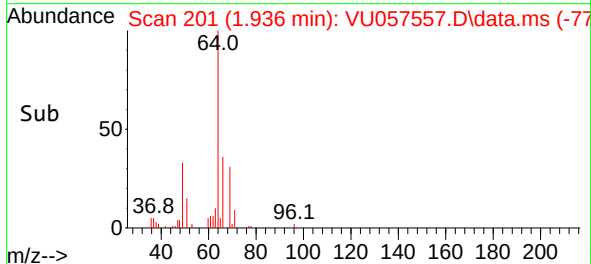
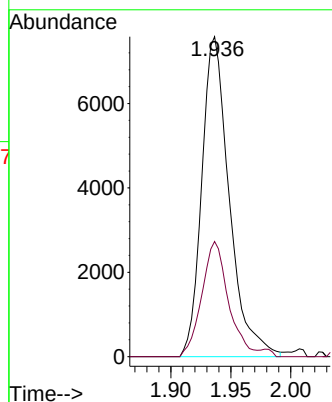


#8
Chloroethane
Concen: 4.392 ug/L
RT: 1.936 min Scan# 201
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

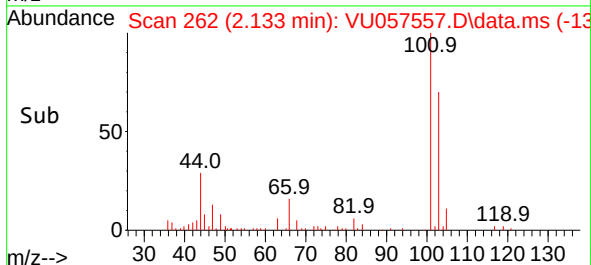
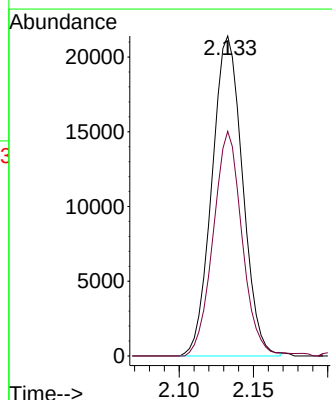
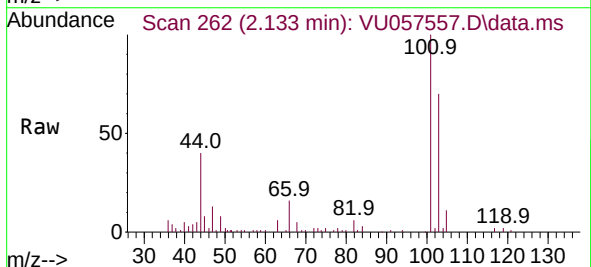


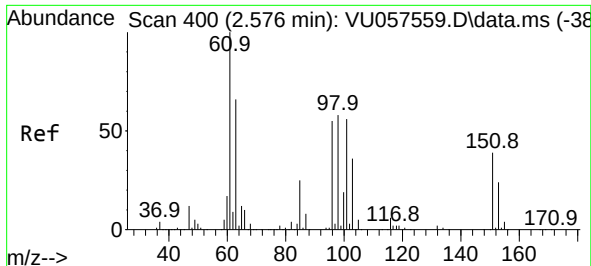
Tgt Ion: 64 Resp: 12103
Ion Ratio Lower Upper
64 100
66 36.0 21.9 40.7



#9
Trichlorofluoromethane
Concen: 5.154 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 101 Resp: 30684
Ion Ratio Lower Upper
101 100
103 66.4 51.8 77.6

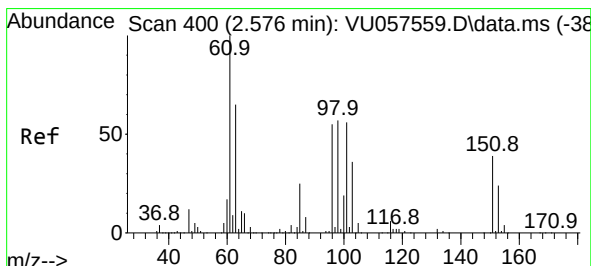
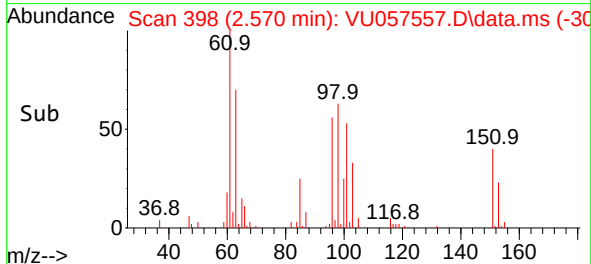
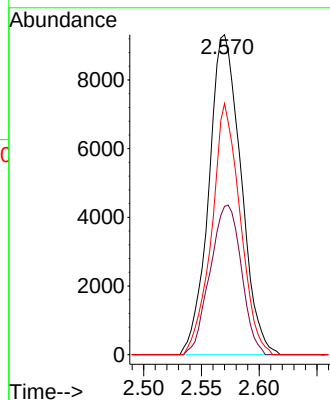
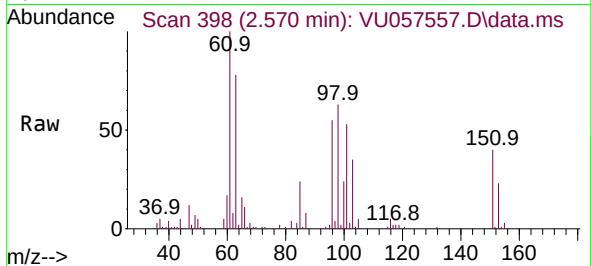




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.773 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU057557.D
 Acq: 18 Jan 2024 13:26

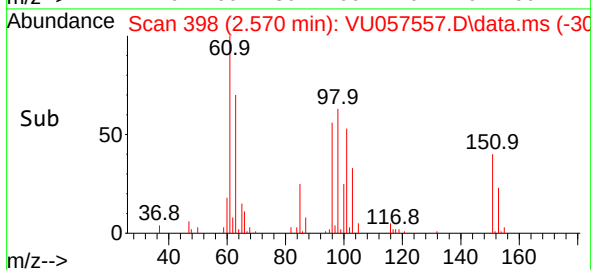
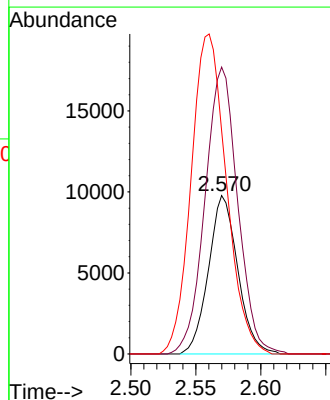
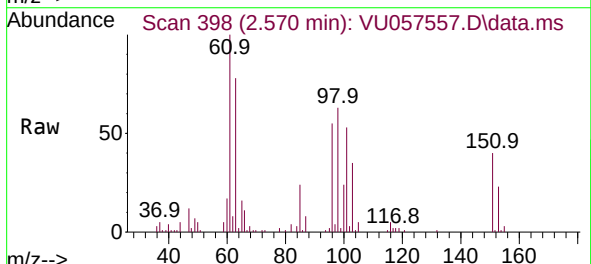
Instrument :
 MSVOA_U
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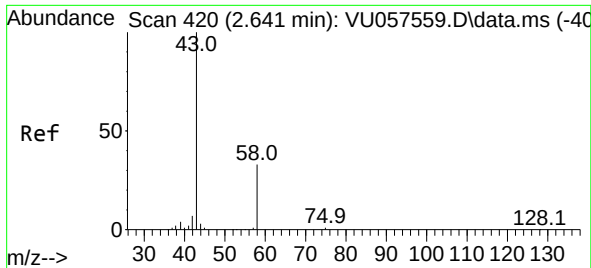
Tgt Ion:101 Resp: 18007
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.0 54.0
 151 69.7 55.8 83.8



#12
 1,1-Dichloroethene
 Concen: 4.555 ug/L
 RT: 2.570 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VU057557.D
 Acq: 18 Jan 2024 13:26

Tgt Ion: 96 Resp: 15338
 Ion Ratio Lower Upper
 96 100
 61 181.1 127.7 237.1
 63 140.8 86.1 159.9





#13

Acetone

Concen: 10.292 ug/L

RT: 2.647 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

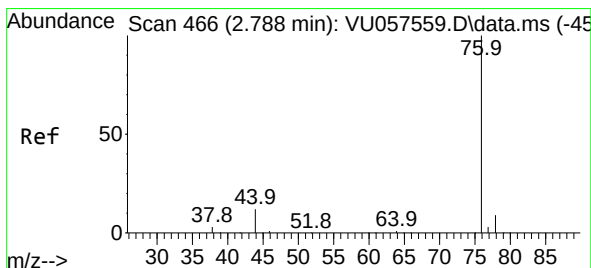
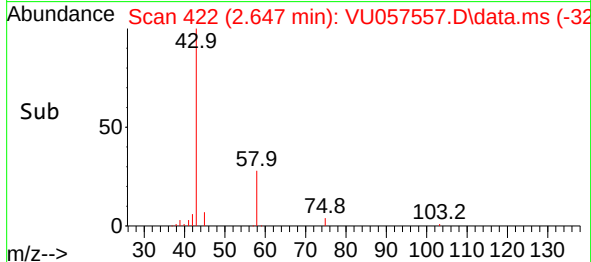
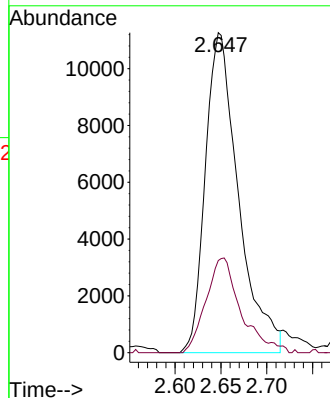
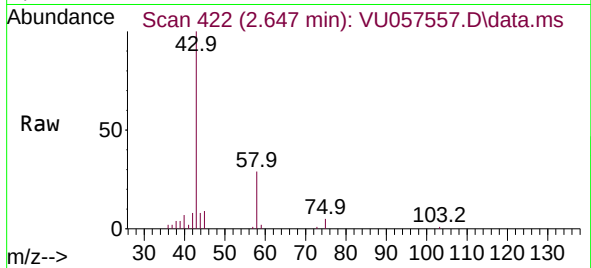
ClientSampleId :

Tgt Ion: 43 Resp: 28274

Ion Ratio Lower Upper

43 100

58 27.1 0.0 65.6



#14

Carbon disulfide

Concen: 4.601 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU057557.D

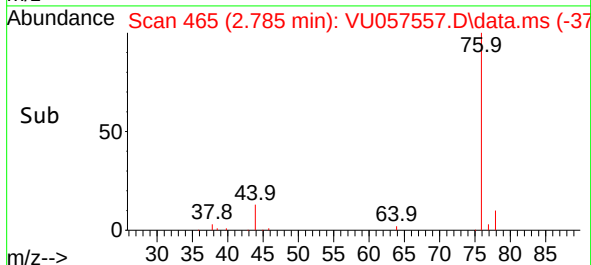
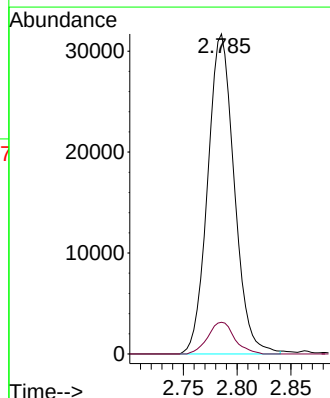
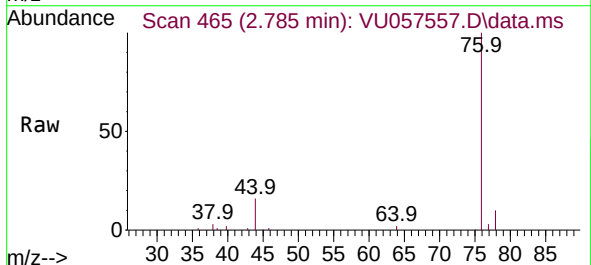
Acq: 18 Jan 2024 13:26

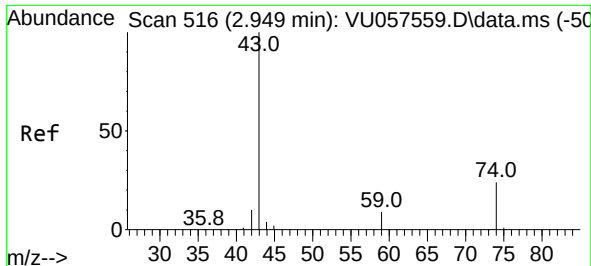
Tgt Ion: 76 Resp: 54475

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9

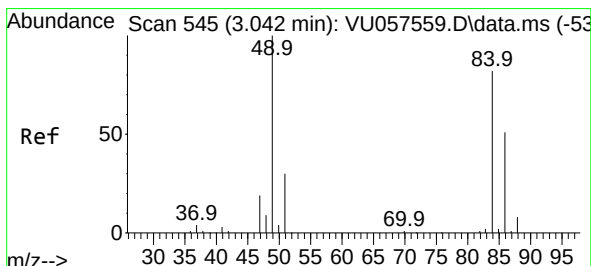
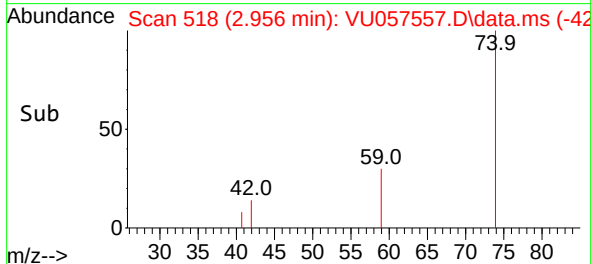
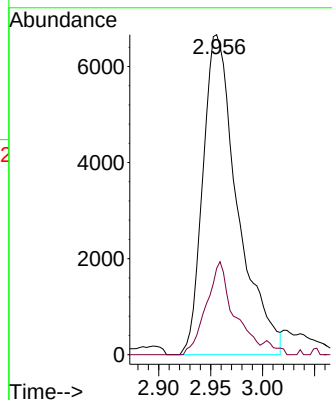
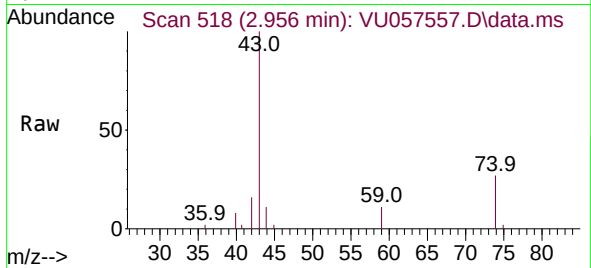




#15
Methyl Acetate
Concen: 4.217 ug/L
RT: 2.956 min Scan# 516
Delta R.T. 0.007 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

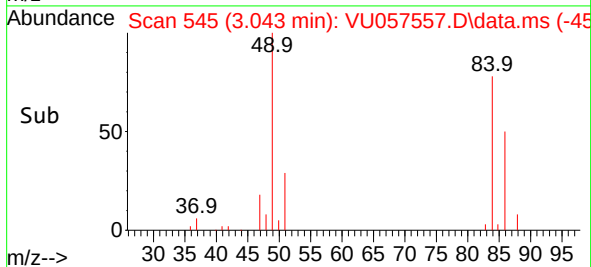
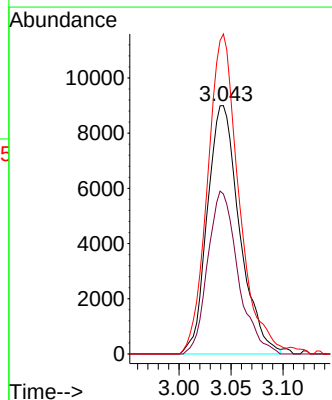
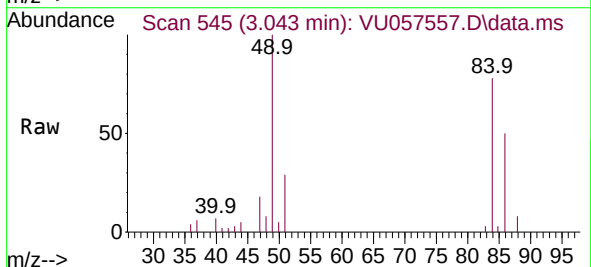
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MSVOA_U
ClientSampleId :

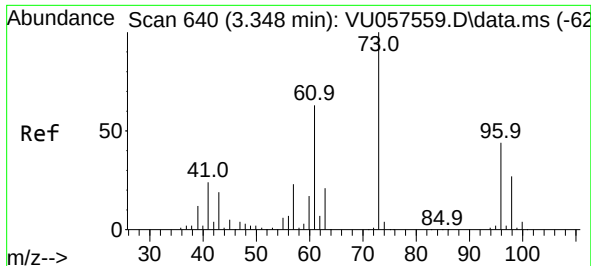
Tgt Ion: 43 Resp: 15427
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6



#16
Methylene chloride
Concen: 4.665 ug/L
RT: 3.043 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 84 Resp: 19419
Ion Ratio Lower Upper
84 100
86 64.4 43.5 80.7
49 128.8 85.0 157.8





#17

trans-1,2-Dichloroethene

Concen: 4.154 ug/L

RT: 3.345 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

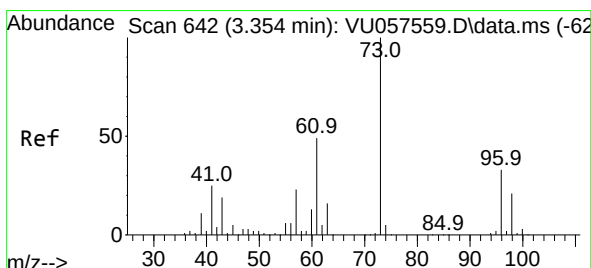
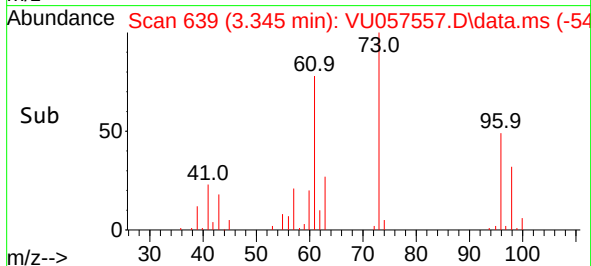
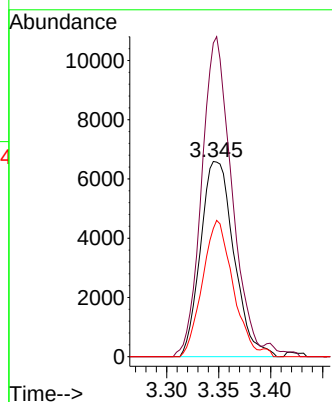
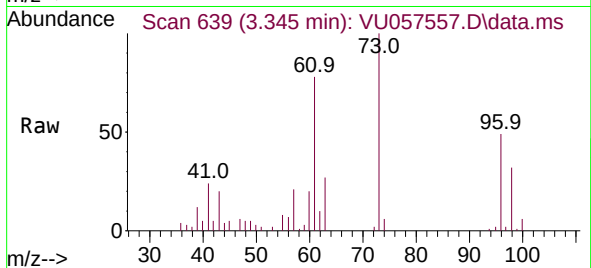
Tgt Ion: 96 Resp: 14687

Ion Ratio Lower Upper

96 100

61 160.7 101.0 187.6

98 65.7 42.8 79.4



#18

Methyl tert-butyl Ether

Concen: 3.860 ug/L

RT: 3.358 min Scan# 643

Delta R.T. 0.003 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

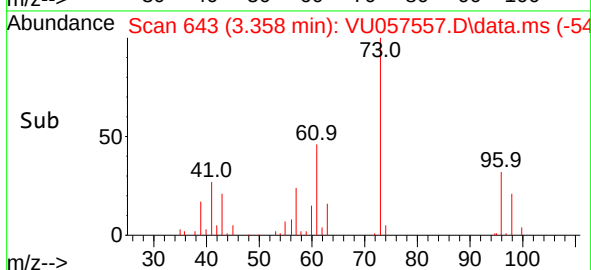
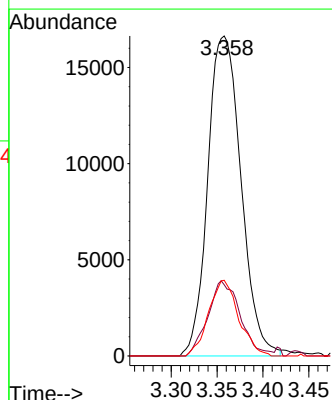
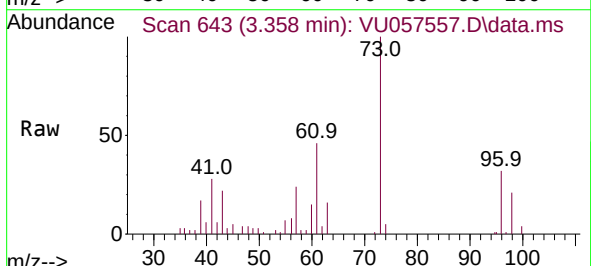
Tgt Ion: 73 Resp: 41981

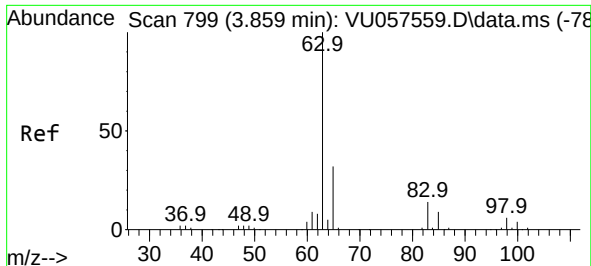
Ion Ratio Lower Upper

73 100

43 22.8 15.2 22.8#

57 21.5 18.2 27.4

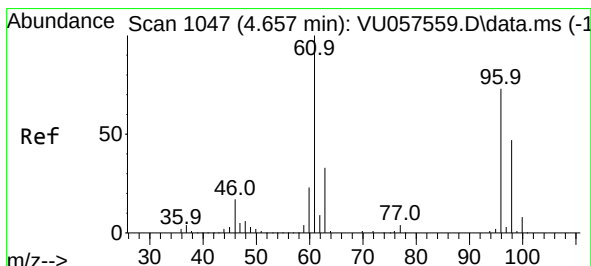
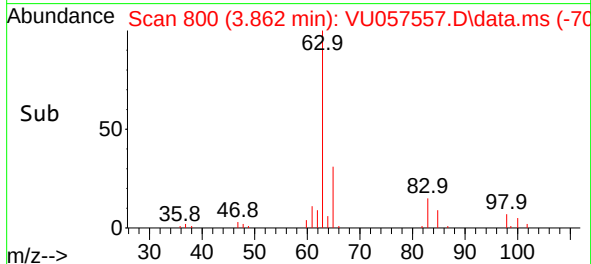
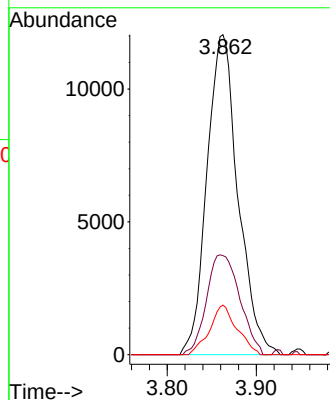
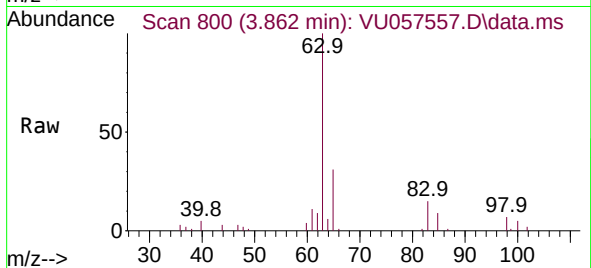




#19
1,1-Dichloroethane
Concen: 4.931 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

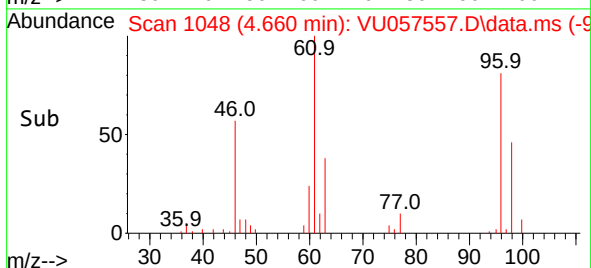
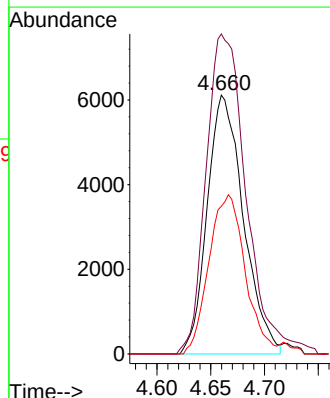
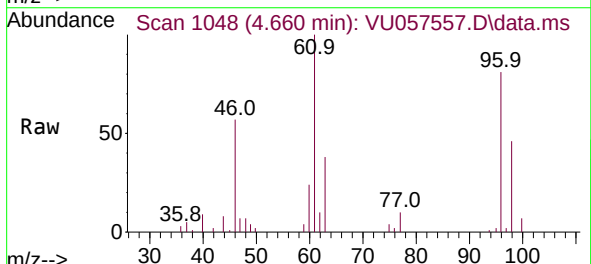
Instrument :
MSVOA_U
ClientSampleId :

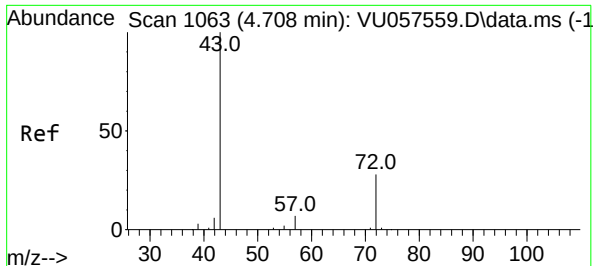
Tgt Ion: 63 Resp: 29224
Ion Ratio Lower Upper
63 100
65 30.9 22.1 41.1
83 15.5 10.1 18.7



#20
cis-1,2-Dichloroethene
Concen: 4.787 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 96 Resp: 14351
Ion Ratio Lower Upper
96 100
61 123.6 96.2 178.6
98 57.1 45.2 84.0

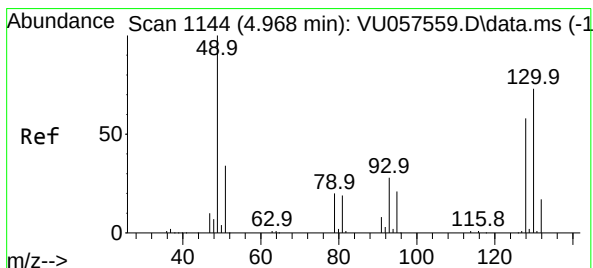
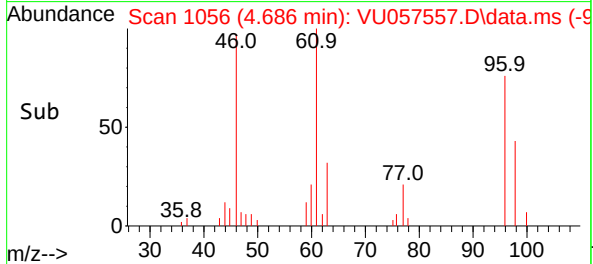
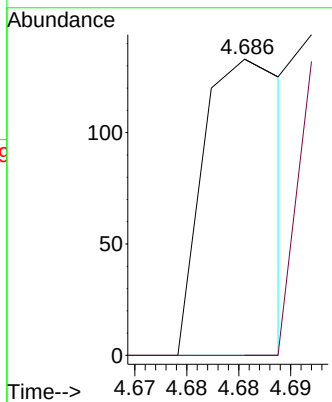
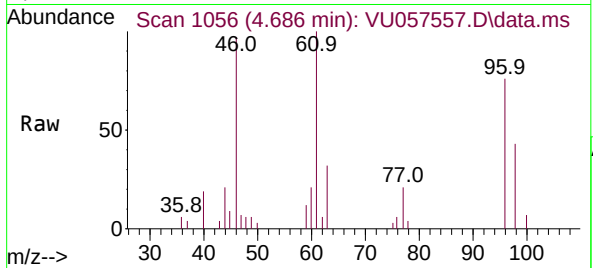




#22
2-Butanone
Concen: 0.032 ug/L
RT: 4.686 min Scan# 1063
Delta R.T. -0.022 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

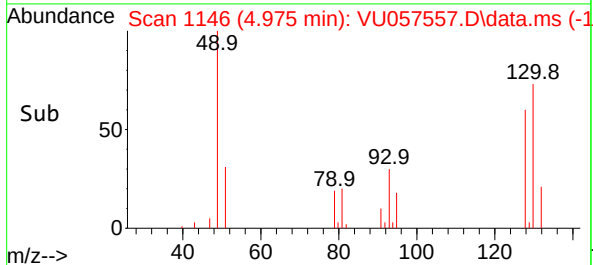
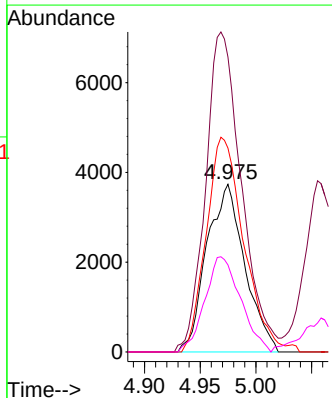
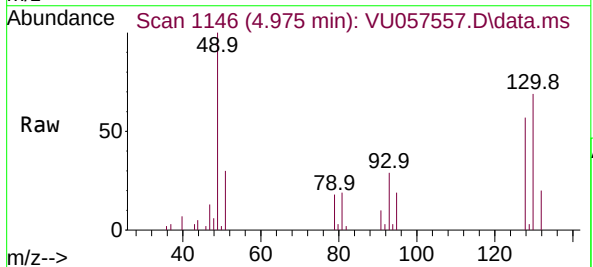
Instrument :
MSVOA_U
ClientSampleId :

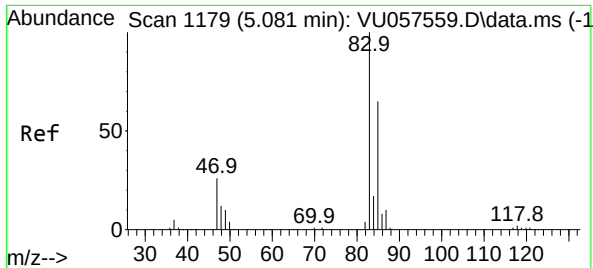
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
72 160.3 12.9 38.7#



#23
Bromochloromethane
Concen: 5.513 ug/L
RT: 4.975 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion:128 Resp: 8855
Ion Ratio Lower Upper
128 100
49 175.9 122.0 226.6
130 121.6 88.5 164.3
51 51.9 46.9 70.3

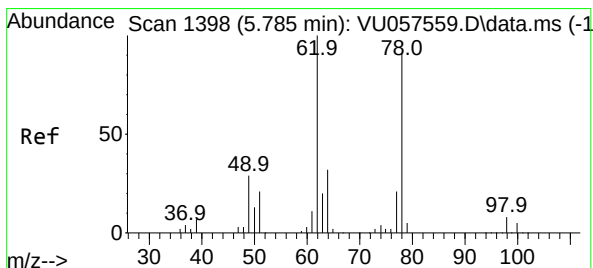
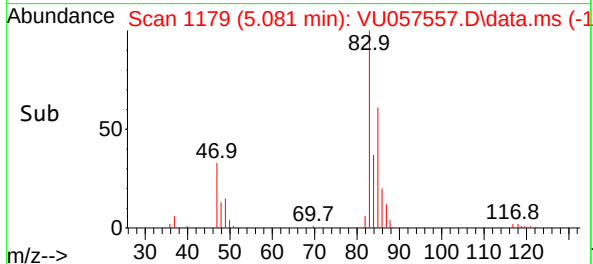
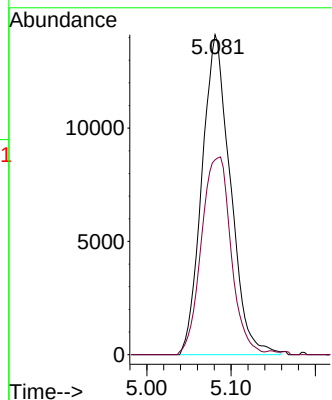
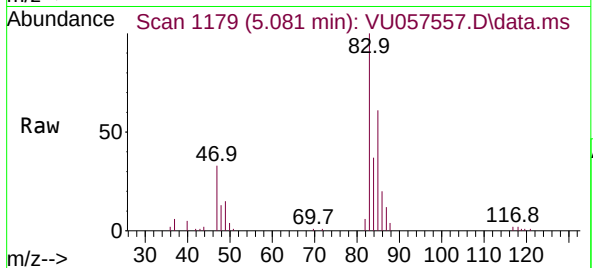




#25
Chloroform
Concen: 5.465 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

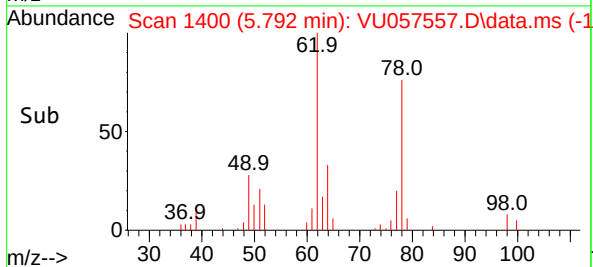
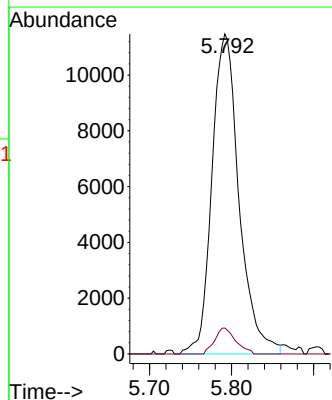
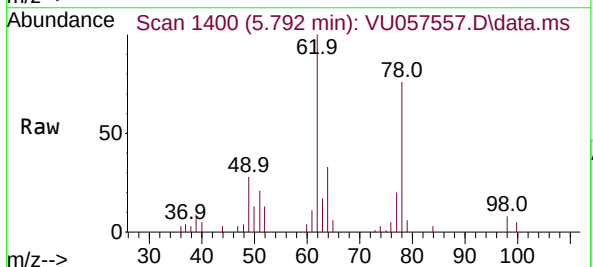
Instrument :
MSVOA_U
ClientSampleId :

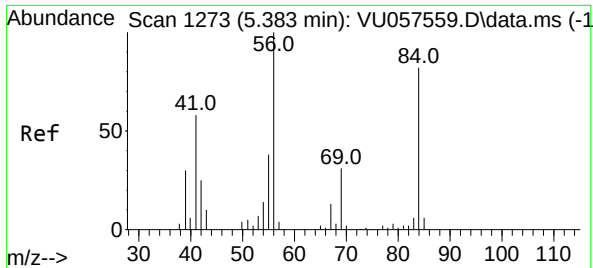
Tgt Ion: 83 Resp: 33126
Ion Ratio Lower Upper
83 100
85 60.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.413 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.007 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

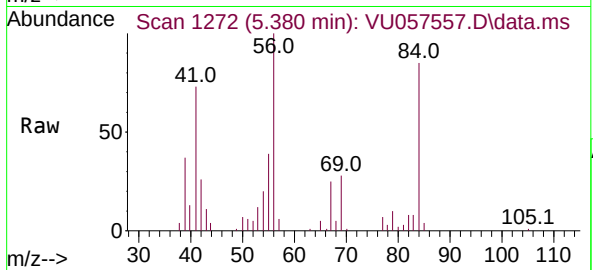
Tgt Ion: 62 Resp: 26396
Ion Ratio Lower Upper
62 100
98 8.1 6.4 9.6



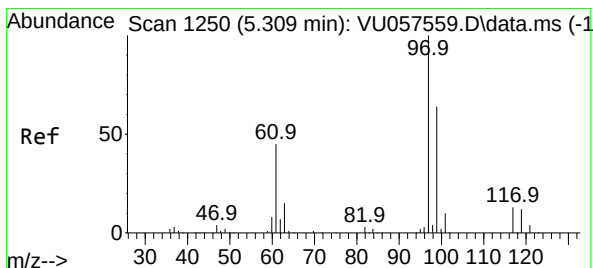
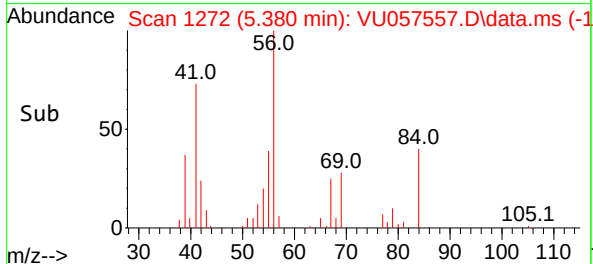
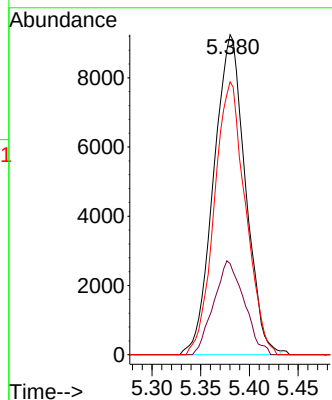


#29
Cyclohexane
Concen: 3.733 ug/L
RT: 5.380 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

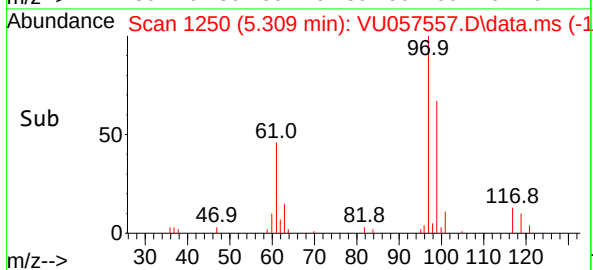
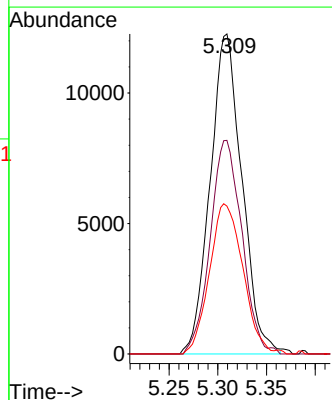
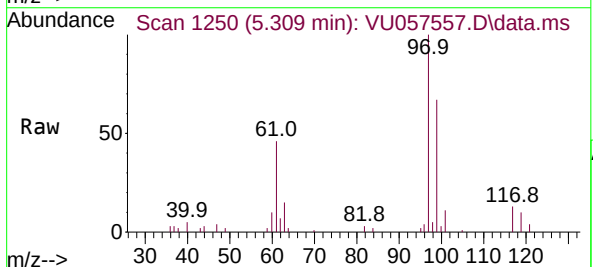


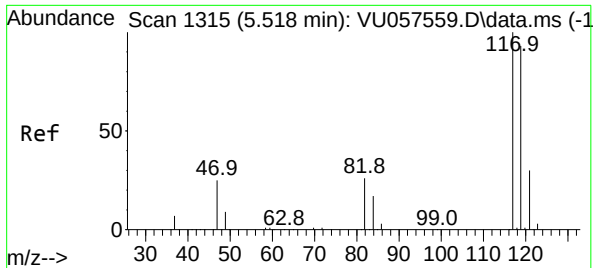
Tgt Ion:	56	Resp:	20924
Ion	Ratio	Lower	Upper
56	100		
69	28.1	25.4	38.2
84	84.0	67.4	101.0



#30
1,1,1-Trichloroethane
Concen: 4.400 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion:	97	Resp:	27801
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.5	77.3
61	49.3	36.9	55.3

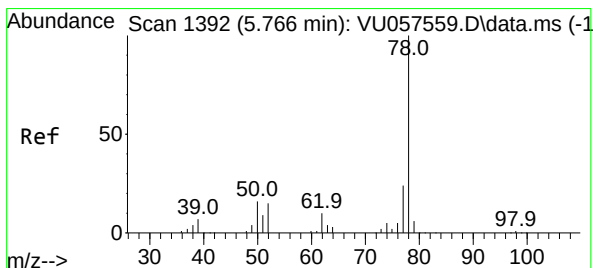
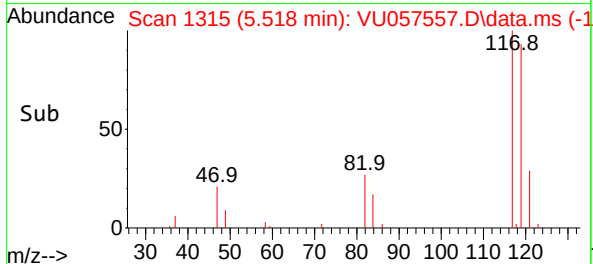
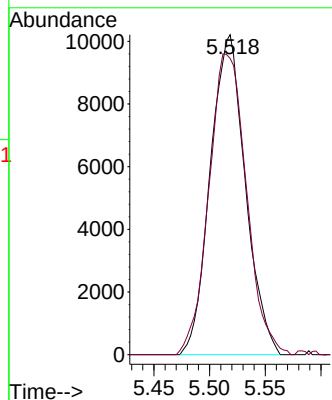
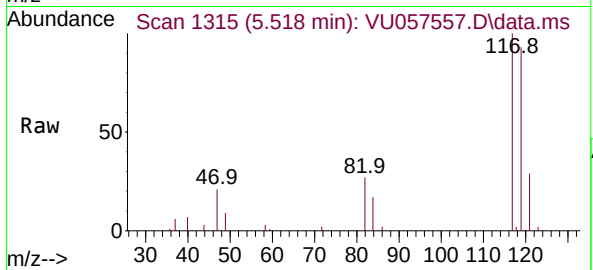




#31
Carbon tetrachloride
Concen: 4.360 ug/L
RT: 5.518 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

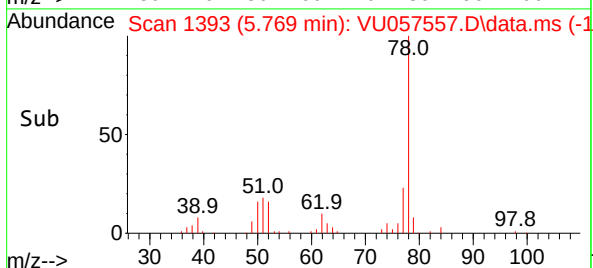
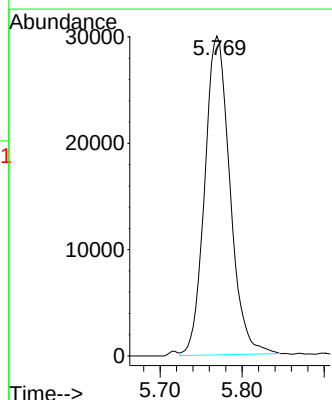
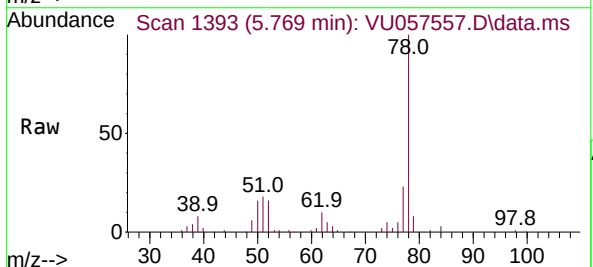
Instrument :
MSVOA_U
ClientSampleId :

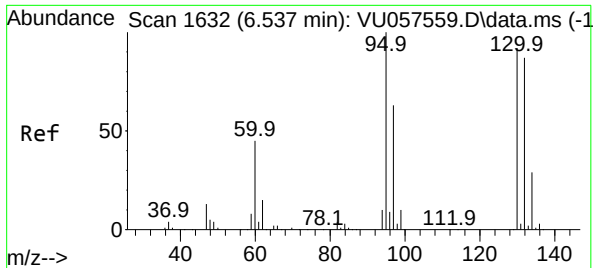
Tgt Ion:117 Resp: 22354
Ion Ratio Lower Upper
117 100
119 100.4 75.8 113.8



#33
Benzene
Concen: 4.140 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 78 Resp: 64133



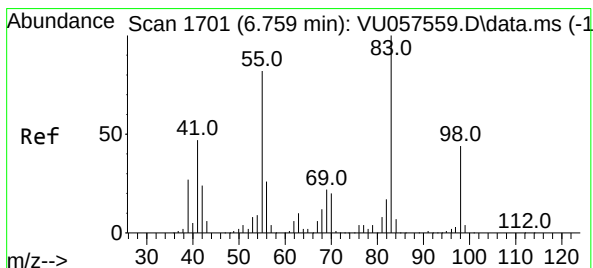
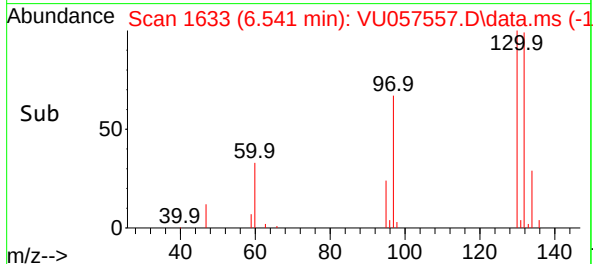
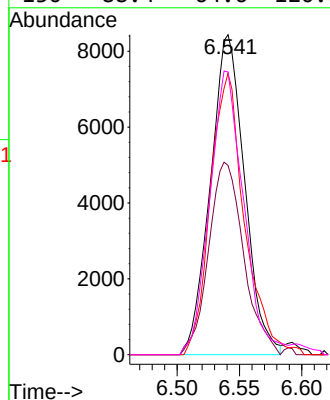
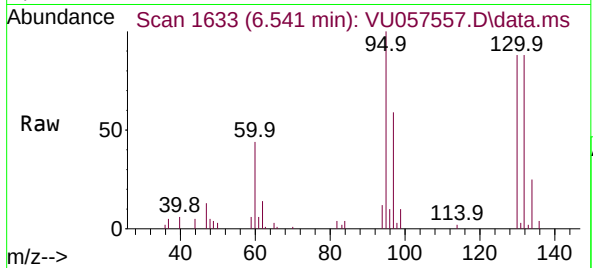


#34
Trichloroethene
Concen: 3.532 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 16114

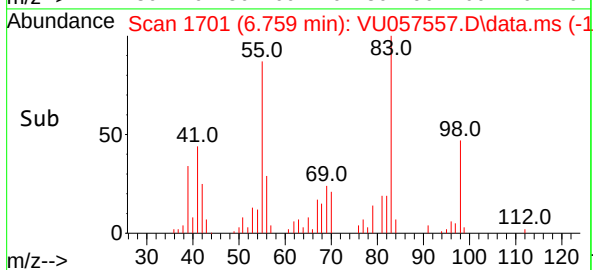
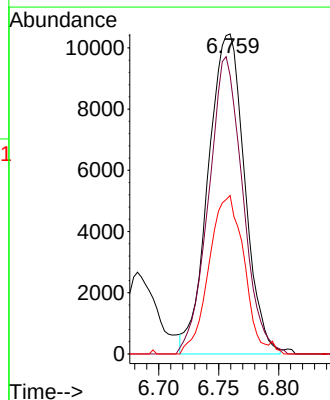
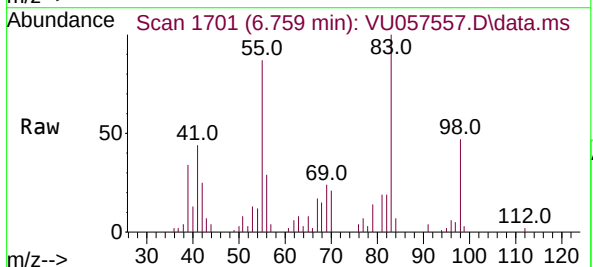
Ion	Ratio	Lower	Upper
95	100		
97	59.2	44.4	82.4
132	87.9	60.8	113.0
130	88.4	64.6	120.0

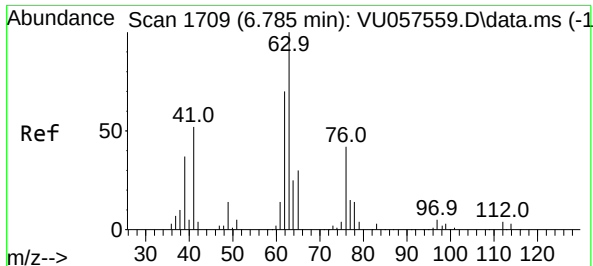


#35
Methylcyclohexane
Concen: 3.118 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 83 Resp: 22015

Ion	Ratio	Lower	Upper
83	100		
55	87.2	65.8	98.6
98	47.3	34.8	52.2

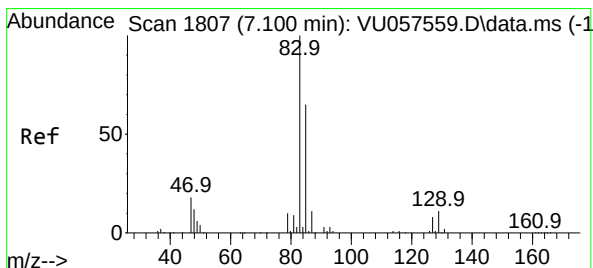
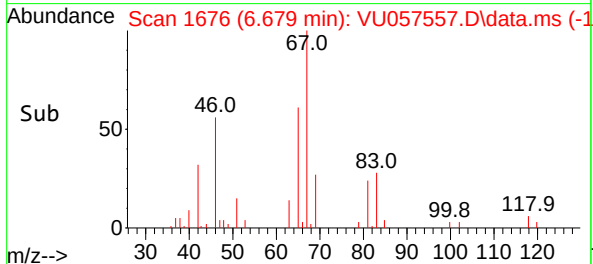
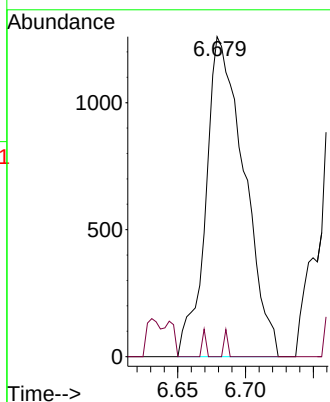
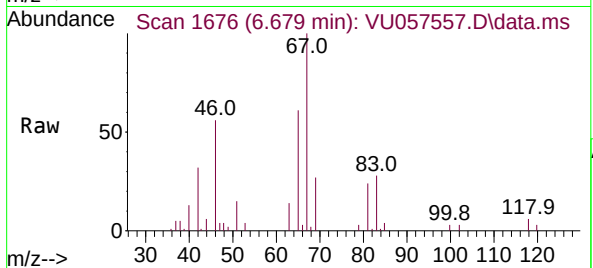




#37
1,2-Dichloropropane
Concen: 0.488 ug/L
RT: 6.679 min Scan# 1
Delta R.T. -0.106 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

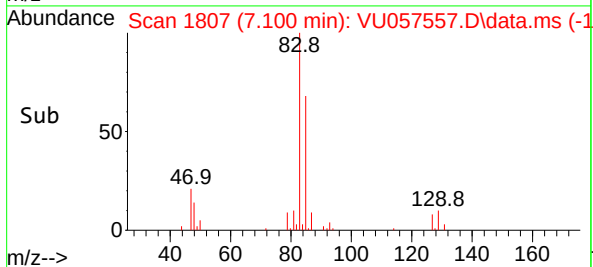
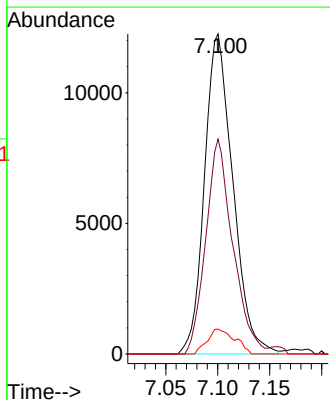
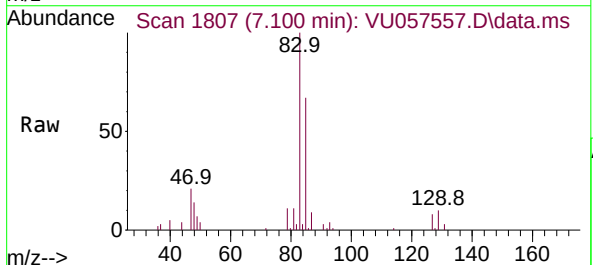
Instrument :
MSVOA_U
ClientSampleId :

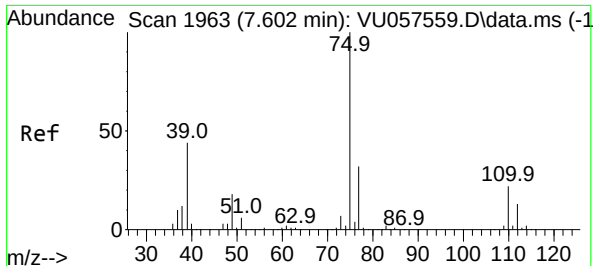
Tgt Ion: 63 Resp: 2474
Ion Ratio Lower Upper
63 100
112 3.0 2.9 4.3



#38
Bromodichloromethane
Concen: 3.605 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 83 Resp: 23255
Ion Ratio Lower Upper
83 100
85 67.1 45.4 84.2
127 9.1 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 3.126 ug/L

RT: 7.608 min Scan# 1963

Delta R.T. 0.007 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

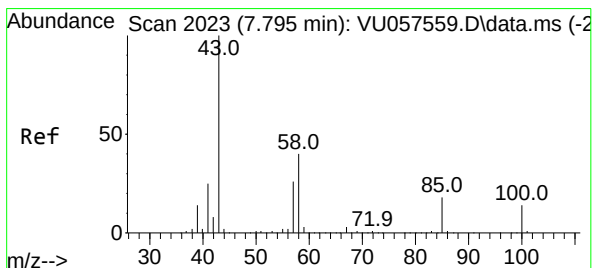
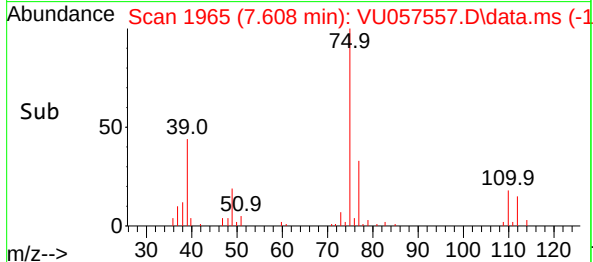
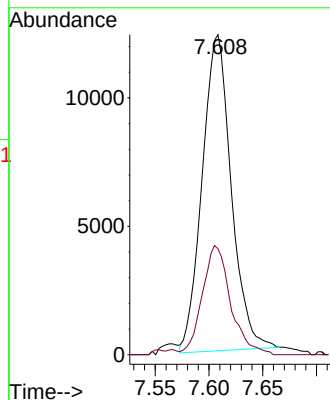
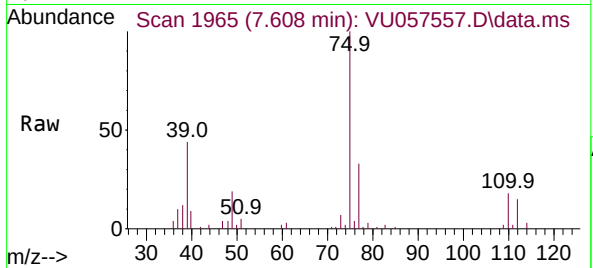
ClientSampleId :

Tgt Ion: 75 Resp: 23174

Ion Ratio Lower Upper

75 100

77 34.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 5.718 ug/L

RT: 7.820 min Scan# 2031

Delta R.T. 0.026 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

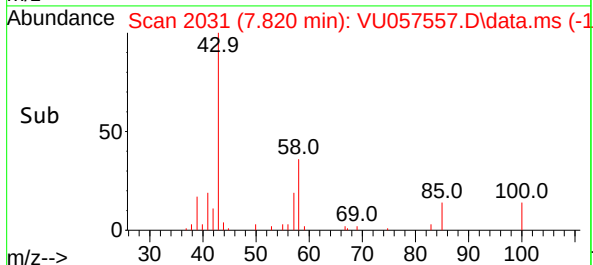
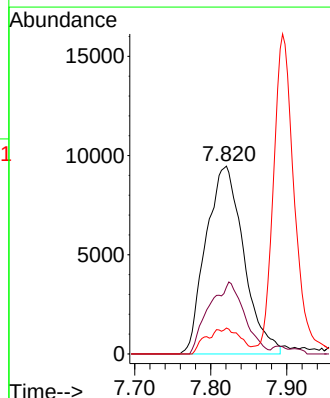
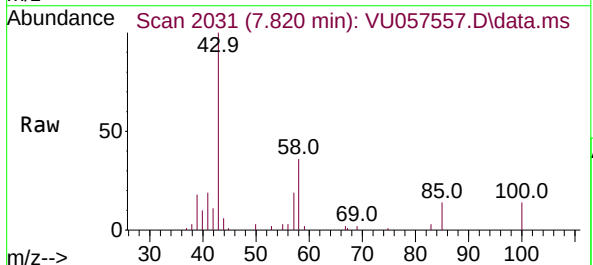
Tgt Ion: 43 Resp: 32617

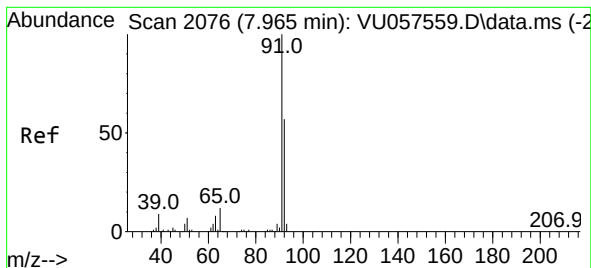
Ion Ratio Lower Upper

43 100

58 17.9 32.2 48.2#

100 0.0 11.2 16.8#





#42

Toluene

Concen: 2.935 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

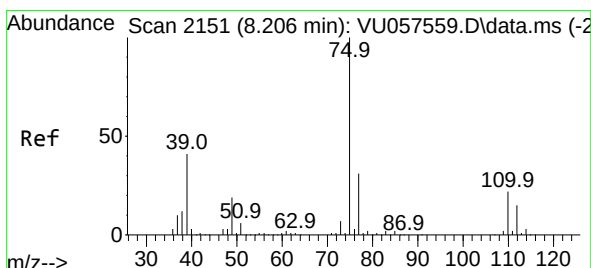
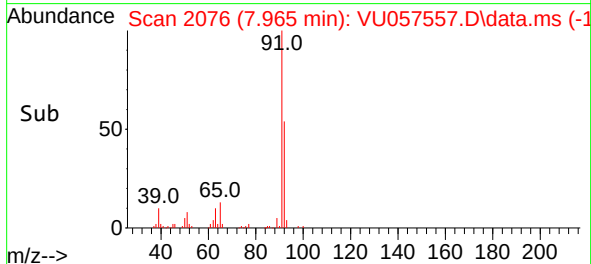
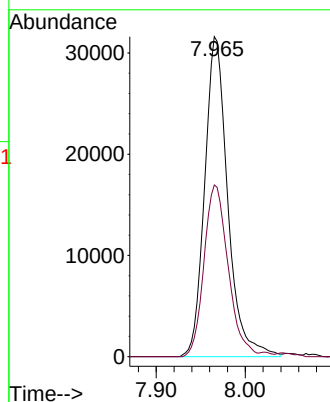
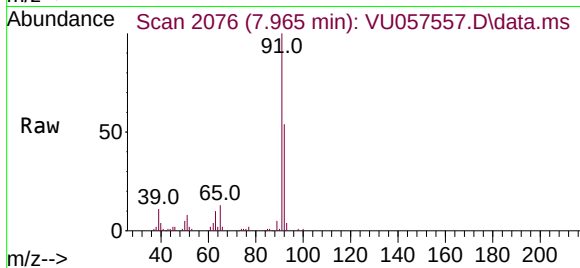
ClientSampleId :

Tgt Ion: 91 Resp: 56905

Ion Ratio Lower Upper

91 100

92 53.6 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 3.579 ug/L

RT: 8.210 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU057557.D

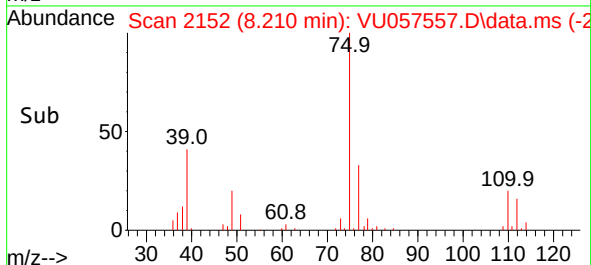
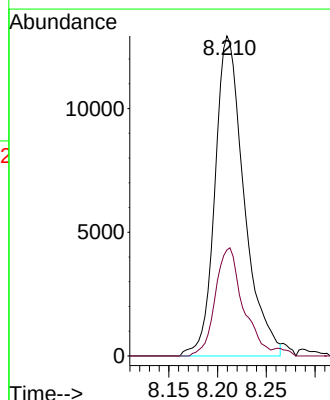
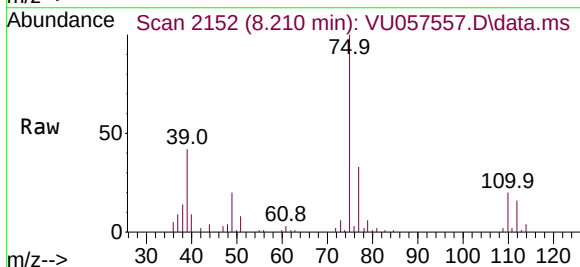
Acq: 18 Jan 2024 13:26

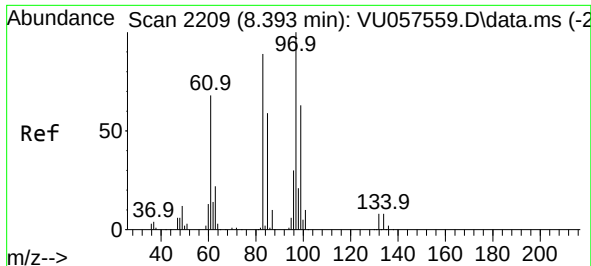
Tgt Ion: 75 Resp: 26903

Ion Ratio Lower Upper

75 100

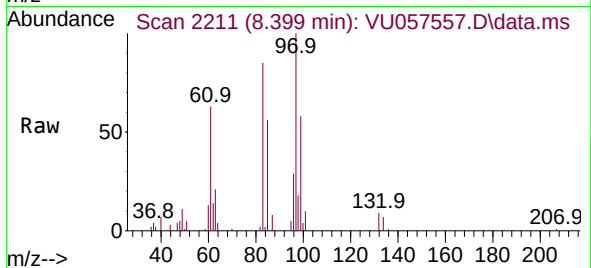
77 33.1 22.0 40.8



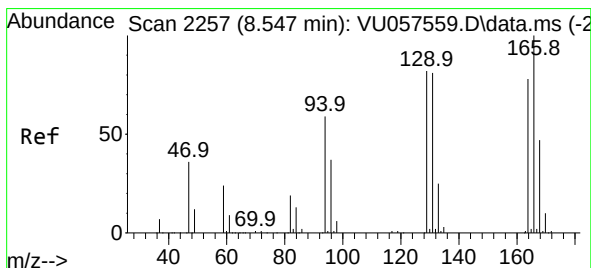
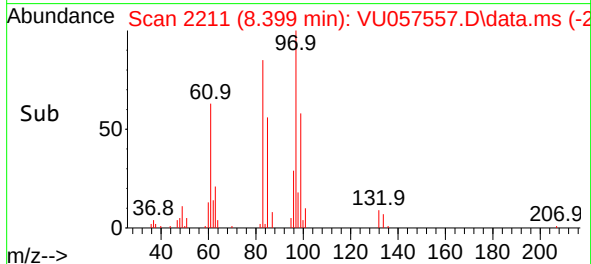
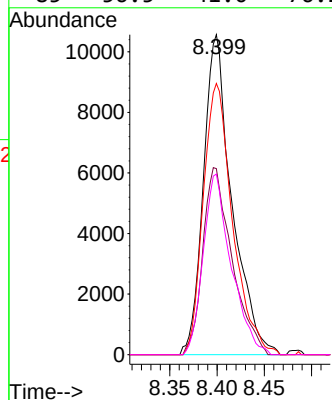


#45
1,1,2-Trichloroethane
Concen: 4.598 ug/L
RT: 8.399 min Scan# 2209
Delta R.T. 0.006 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

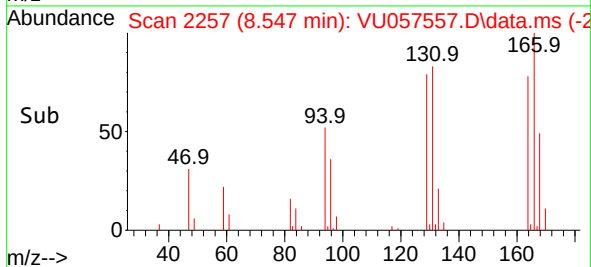
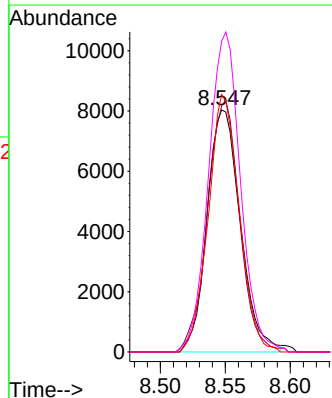
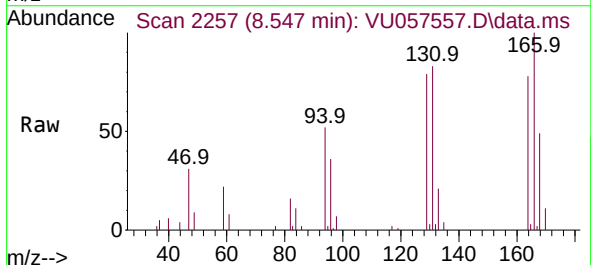


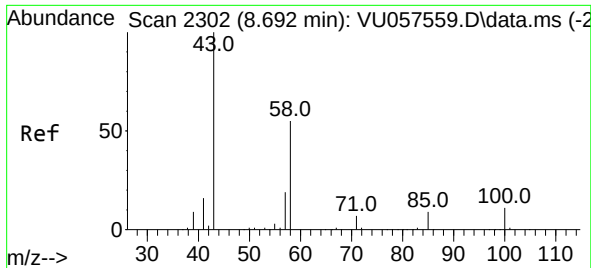
Tgt Ion:	97	Resp:	22187
Ion	Ratio	Lower	Upper
97	100		
99	58.2	44.2	82.2
83	84.8	62.2	115.6
85	56.5	41.0	76.2



#46
Tetrachloroethene
Concen: 4.391 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion:	164	Resp:	14306
Ion	Ratio	Lower	Upper
164	100		
129	97.7	73.5	136.5
131	102.3	72.1	133.9
166	123.4	89.2	165.8



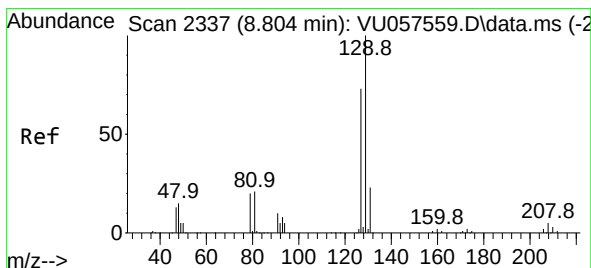
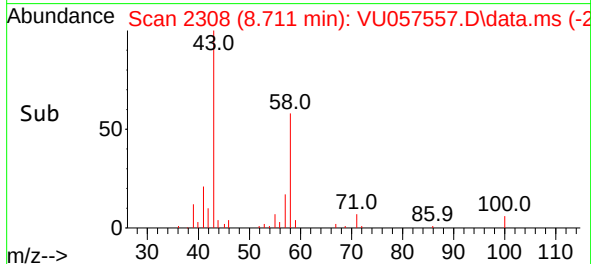
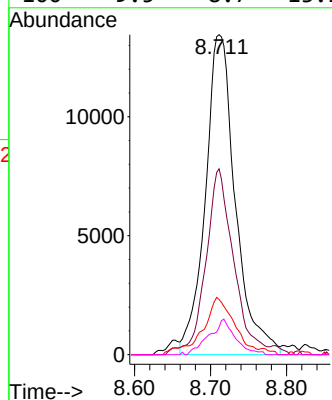
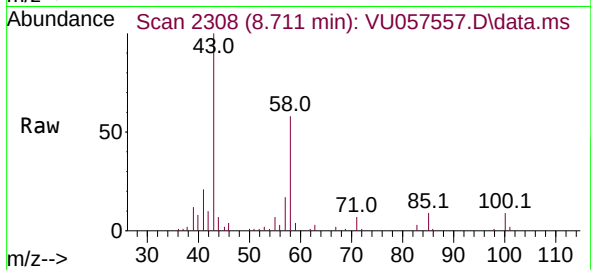


#48
2-Hexanone
Concen: 7.360 ug/L
RT: 8.711 min Scan# 21
Delta R.T. 0.019 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 36965

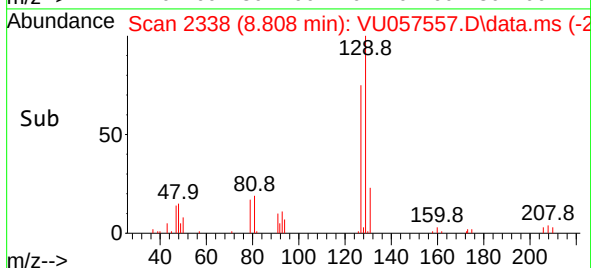
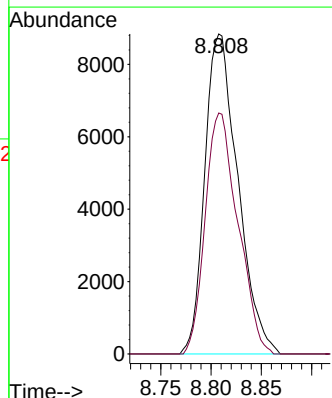
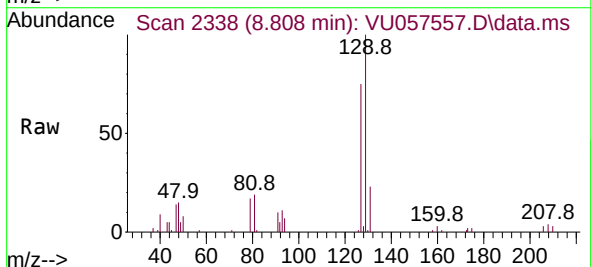
Ion	Ratio	Lower	Upper
43	100		
58	50.0	47.0	70.6
57	16.0	15.7	23.5
100	9.5	8.7	13.1

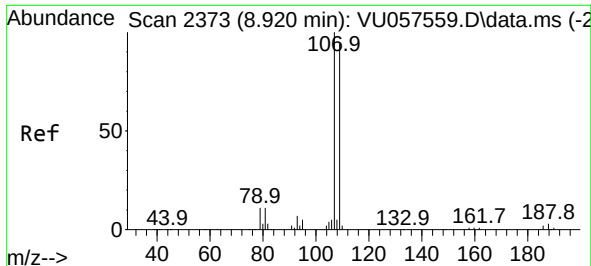


#49
Dibromochloromethane
Concen: 4.195 ug/L
RT: 8.808 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 129 Resp: 20233

Ion	Ratio	Lower	Upper
129	100		
127	75.3	51.2	95.0

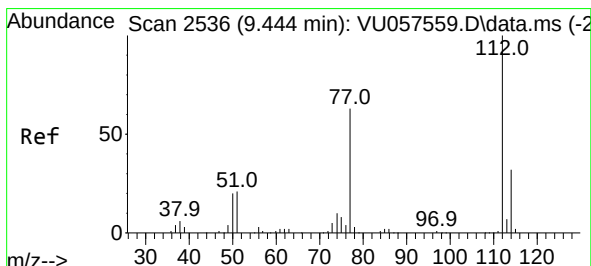
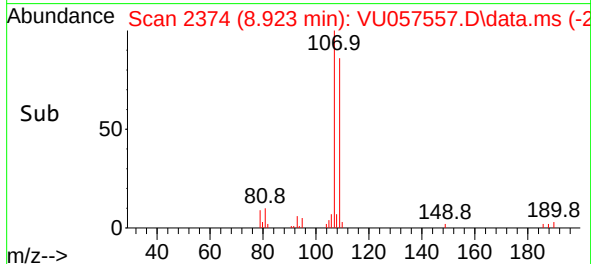
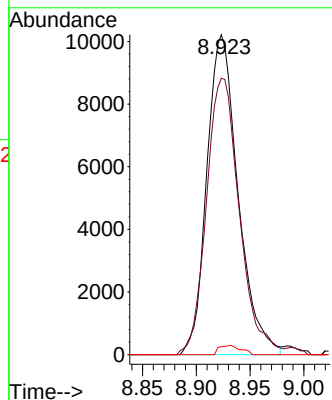
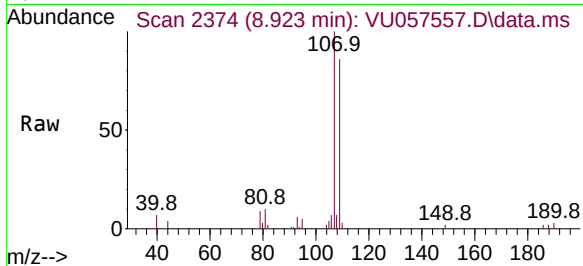




#50
1,2-Dibromoethane
Concen: 4.129 ug/L
RT: 8.923 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

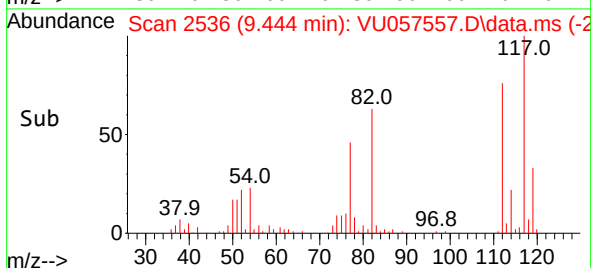
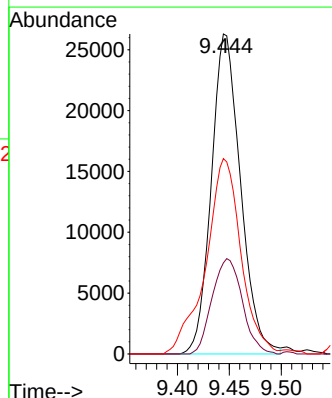
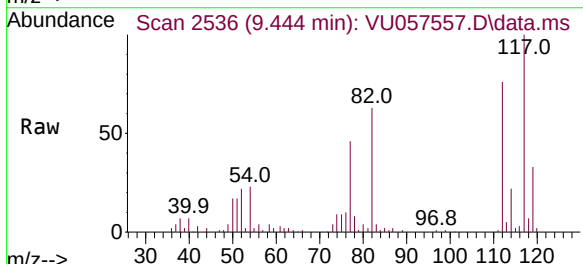
Instrument :
MSVOA_U
ClientSampleId :

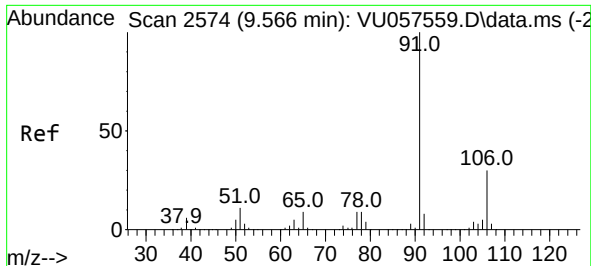
Tgt Ion:107 Resp: 20644
Ion Ratio Lower Upper
107 100
109 86.4 65.6 121.8
188 2.5 2.2 3.4



#51
Chlorobenzene
Concen: 4.530 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion:112 Resp: 51428
Ion Ratio Lower Upper
112 100
114 28.4 22.3 41.3
77 61.1 50.2 75.4

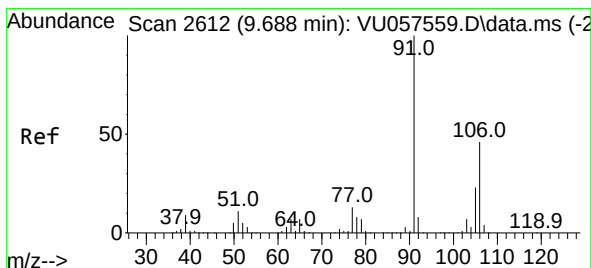
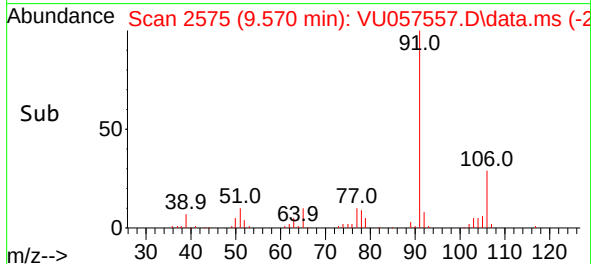
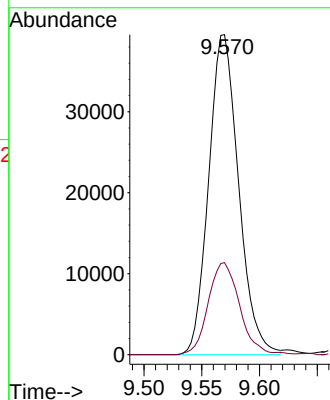
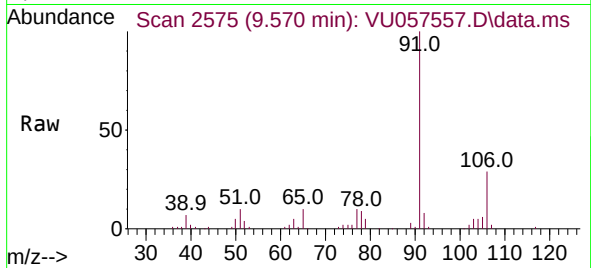




#52
Ethylbenzene
Concen: 3.753 ug/L
RT: 9.570 min Scan# 21156
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

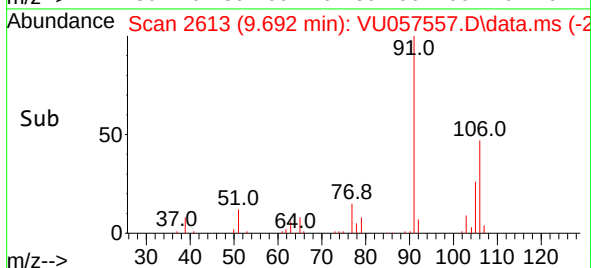
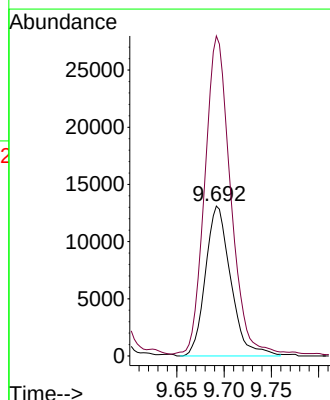
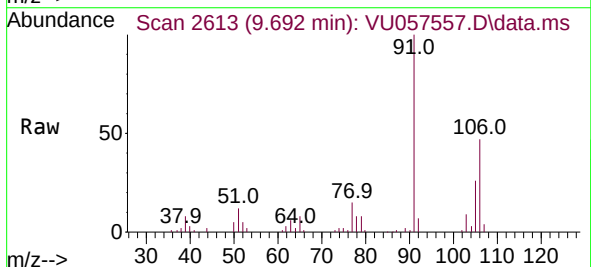
Instrument :
MSVOA_U
ClientSampleId :

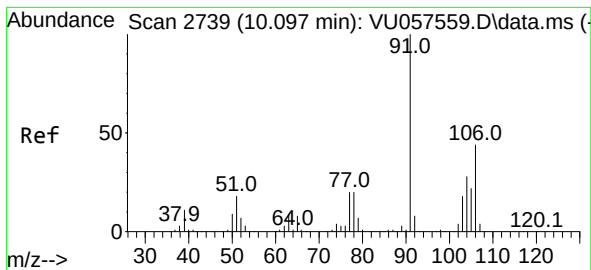
Tgt Ion: 91 Resp: 71156
Ion Ratio Lower Upper
91 100
106 28.7 20.9 38.9



#53
m,p-Xylene
Concen: 3.498 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion:106 Resp: 24395
Ion Ratio Lower Upper
106 100
91 213.5 152.2 282.6





#54

o-Xylene

Concen: 3.520 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

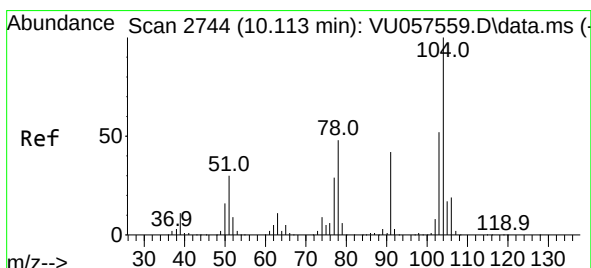
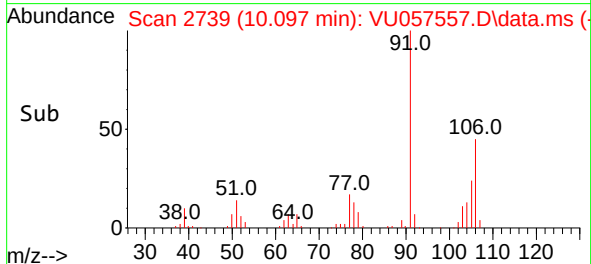
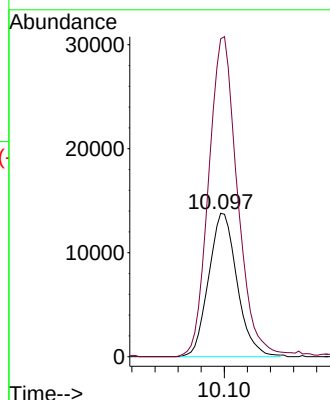
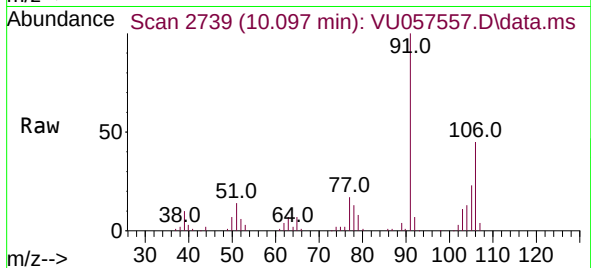
ClientSampleId :

Tgt Ion:106 Resp: 23582

Ion Ratio Lower Upper

106 100

91 221.8 160.9 298.9



#55

Styrene

Concen: 3.031 ug/L

RT: 10.116 min Scan# 2745

Delta R.T. 0.003 min

Lab File: VU057557.D

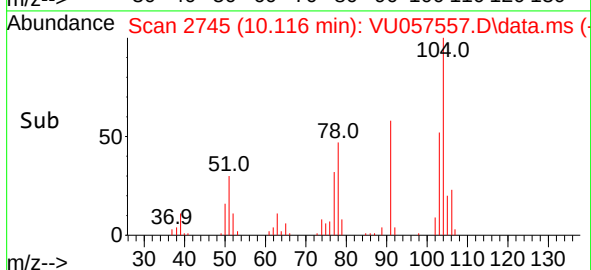
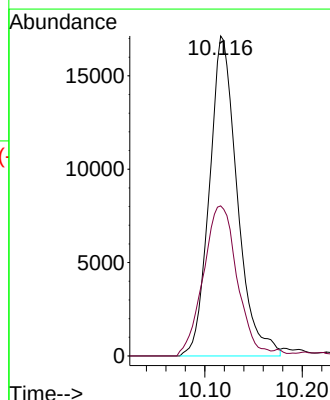
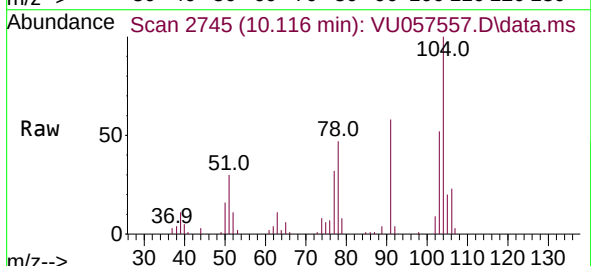
Acq: 18 Jan 2024 13:26

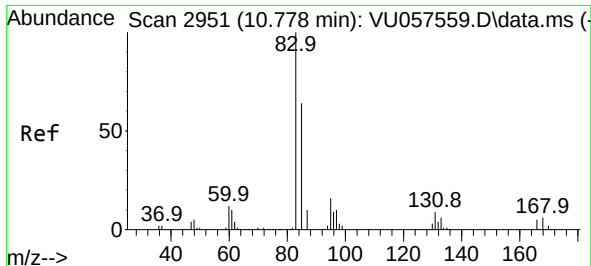
Tgt Ion:104 Resp: 34003

Ion Ratio Lower Upper

104 100

78 46.9 33.9 63.0





#57

1,1,2,2-Tetrachloroethane

Concen: 4.495 ug/L

RT: 10.785 min Scan# 2951

Delta R.T. 0.007 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

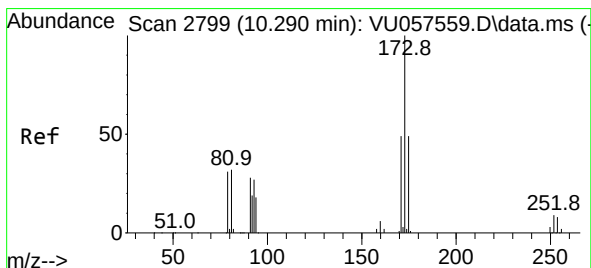
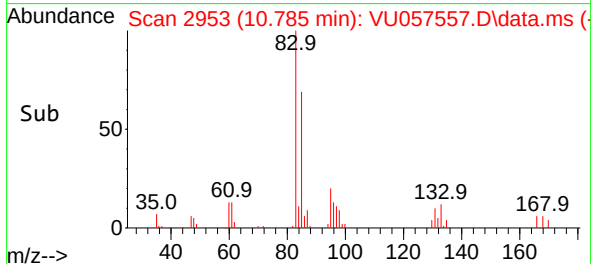
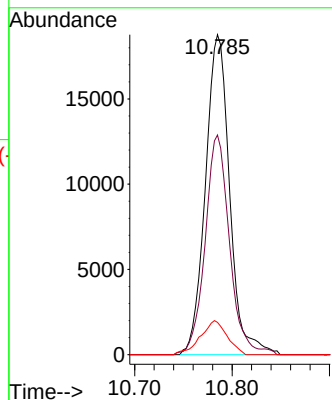
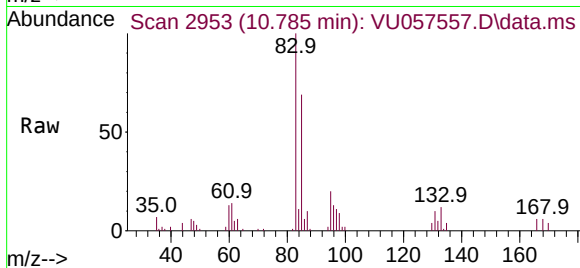
Tgt Ion: 83 Resp: 32493

Ion Ratio Lower Upper

83 100

85 68.7 45.1 83.9

131 10.1 7.1 10.7



#59

Bromoform

Concen: 5.880 ug/L

RT: 10.296 min Scan# 2801

Delta R.T. 0.006 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

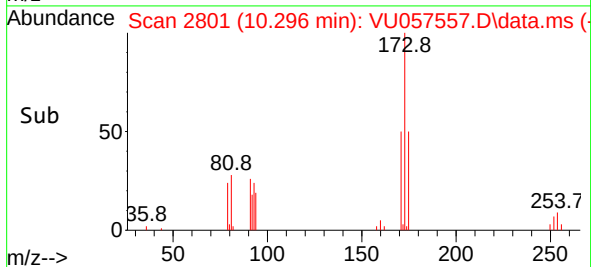
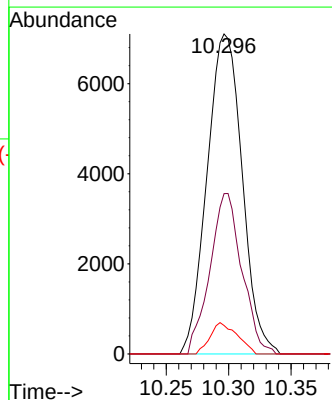
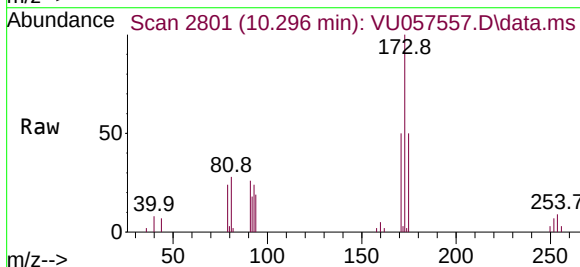
Tgt Ion:173 Resp: 13920

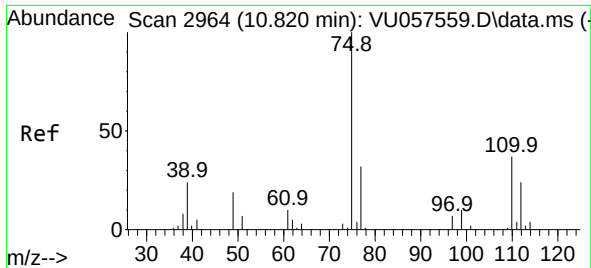
Ion Ratio Lower Upper

173 100

175 45.6 37.8 56.8

254 7.6 6.8 10.2

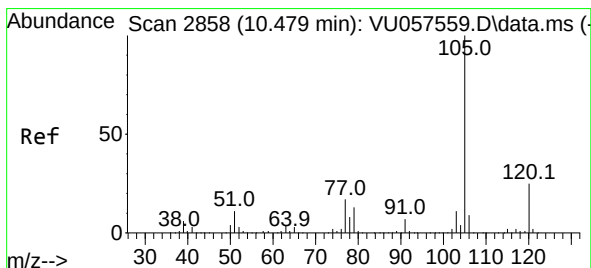
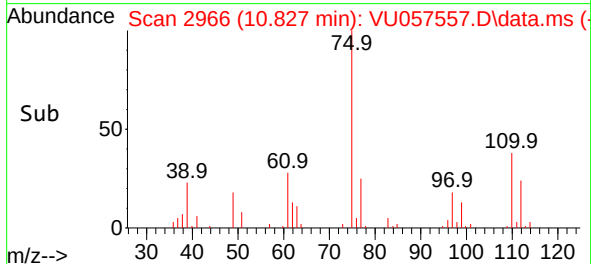
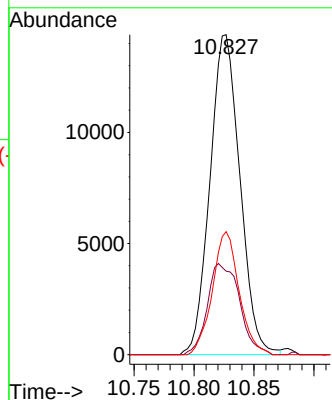
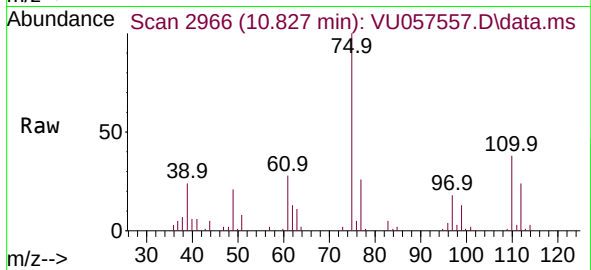




#60
1,2,3-Trichloropropane
Concen: 6.128 ug/L
RT: 10.827 min Scan# 2966
Delta R.T. 0.007 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

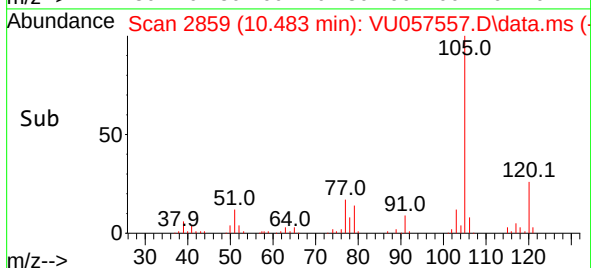
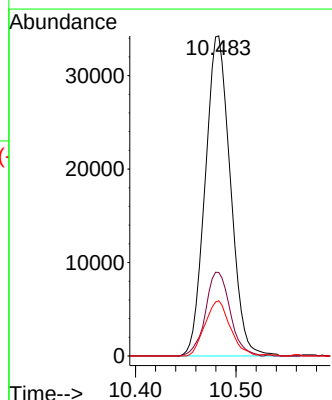
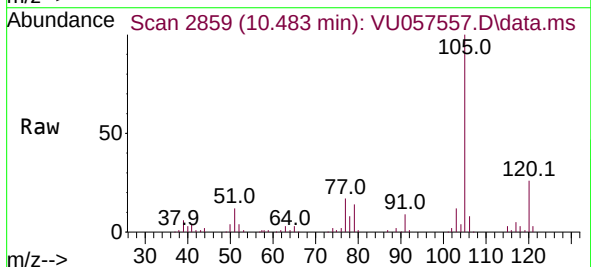
Instrument :
MSVOA_U
ClientSampleId :

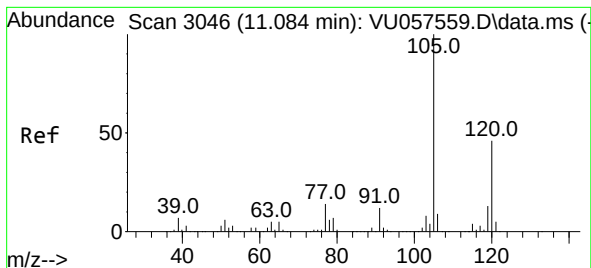
Tgt Ion: 75 Resp: 25036
Ion Ratio Lower Upper
75 100
77 30.5 25.7 38.5
110 34.3 29.1 43.7



#61
Isopropylbenzene
Concen: 4.673 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion: 105 Resp: 59570
Ion Ratio Lower Upper
105 100
120 25.7 19.9 29.9
77 17.3 13.7 20.5





#62

1,3,5-Trimethylbenzene

Concen: 4.871 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

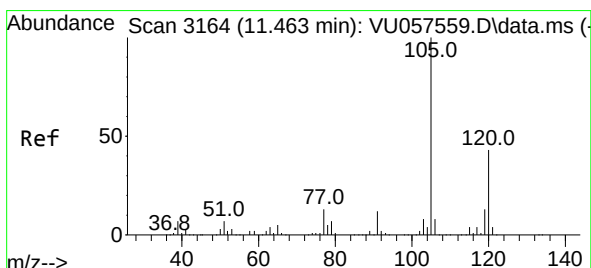
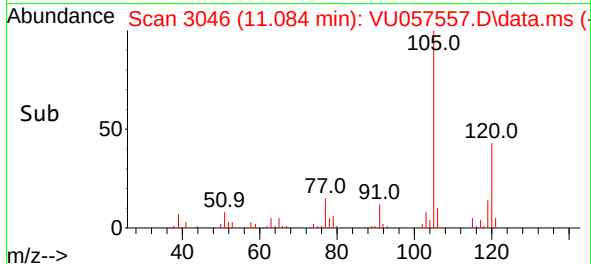
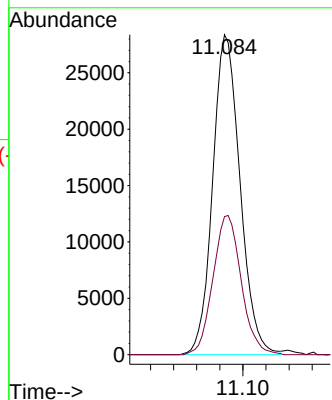
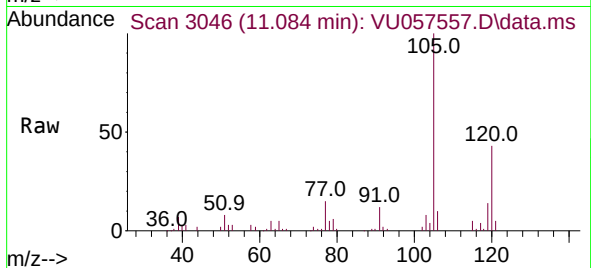
ClientSampleId :

Tgt Ion:105 Resp: 46663

Ion Ratio Lower Upper

105 100

120 44.9 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 4.501 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU057557.D

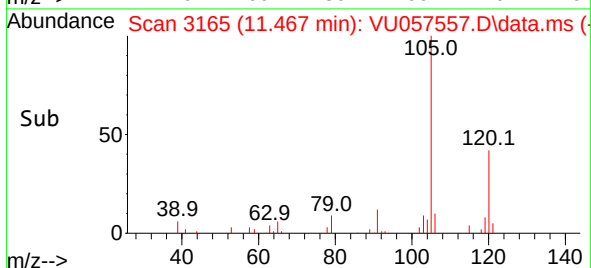
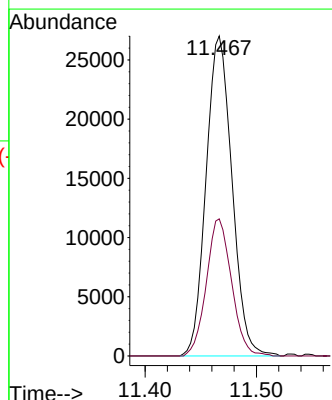
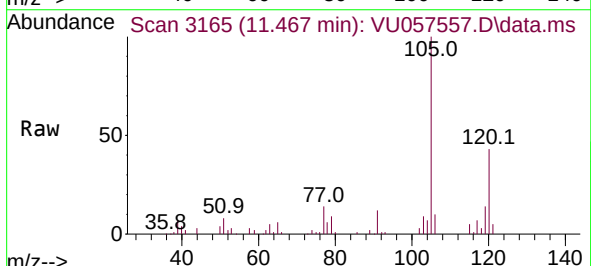
Acq: 18 Jan 2024 13:26

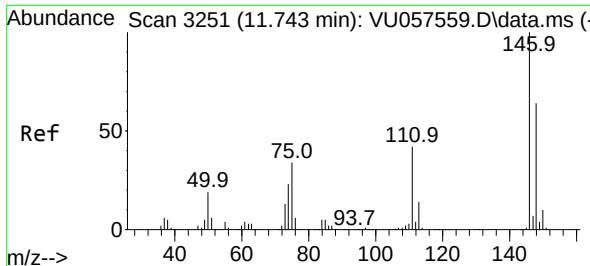
Tgt Ion:105 Resp: 43757

Ion Ratio Lower Upper

105 100

120 41.6 34.5 51.7

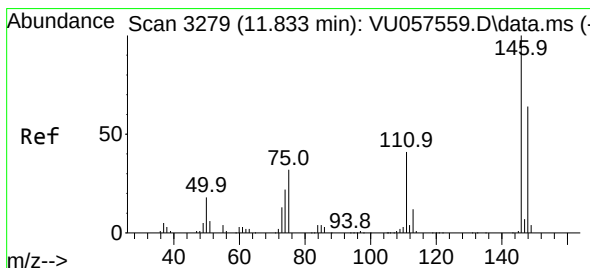
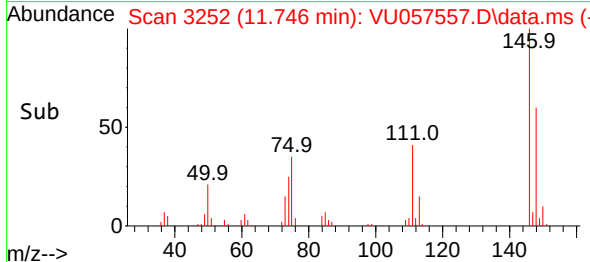
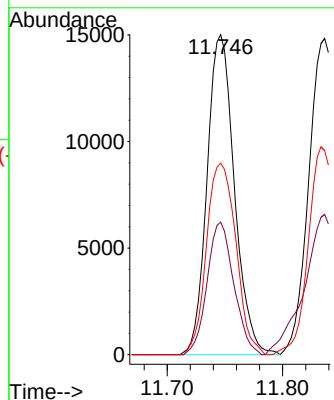
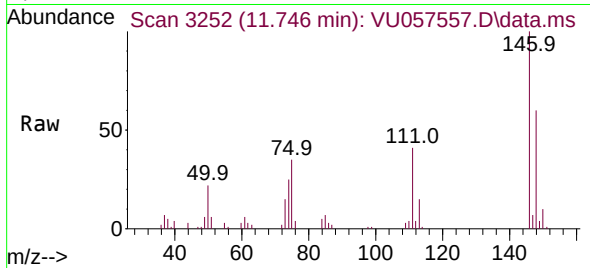




#64
1,3-Dichlorobenzene
Concen: 4.571 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

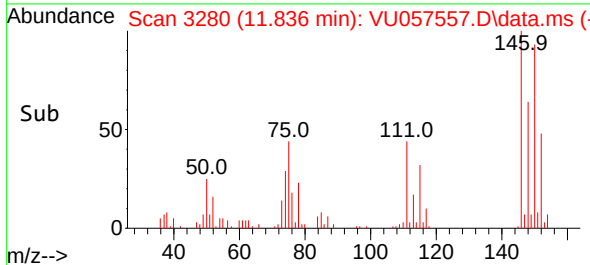
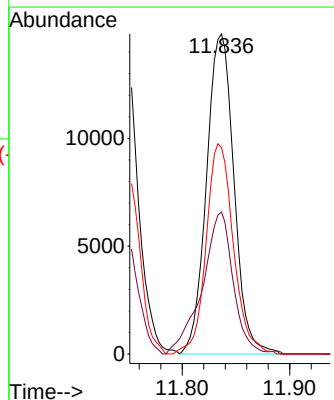
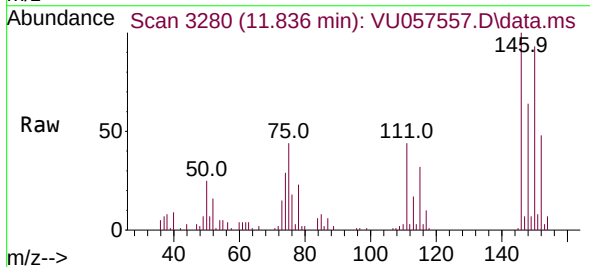
Instrument :
MSVOA_U
ClientSampleId :

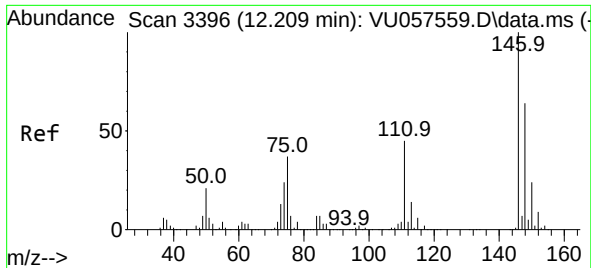
Tgt Ion:146 Resp: 24748
Ion Ratio Lower Upper
146 100
111 41.4 29.5 54.9
148 59.8 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 4.781 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU057557.D
Acq: 18 Jan 2024 13:26

Tgt Ion:146 Resp: 26394
Ion Ratio Lower Upper
146 100
111 44.3 28.8 53.6
148 64.5 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 4.768 ug/L

RT: 12.213 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

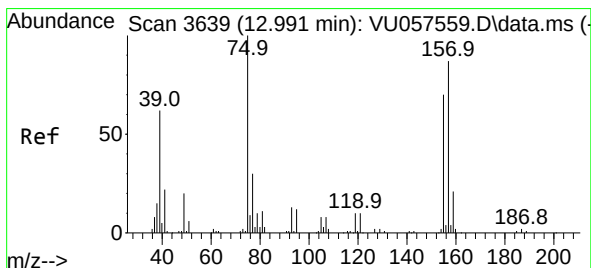
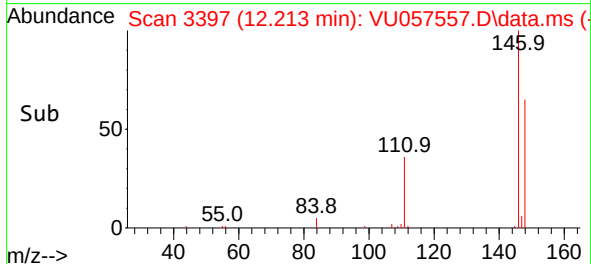
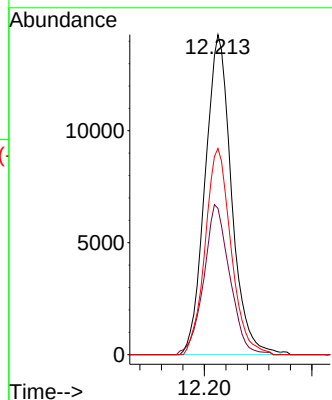
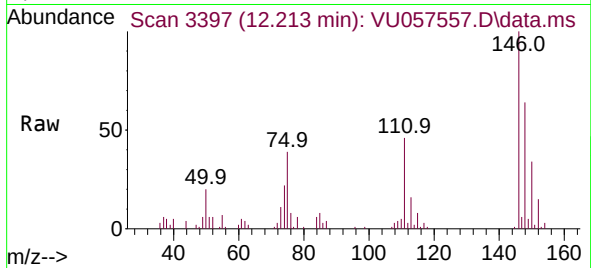
Tgt Ion:146 Resp: 24344

Ion Ratio Lower Upper

146 100

111 45.7 36.0 54.0

148 64.4 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 5.051 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

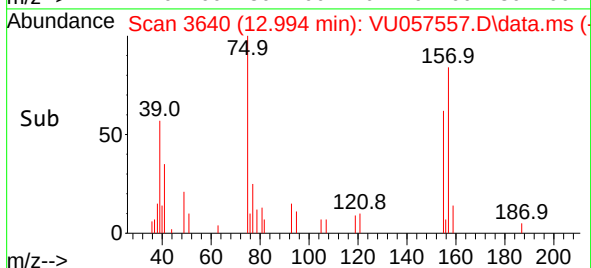
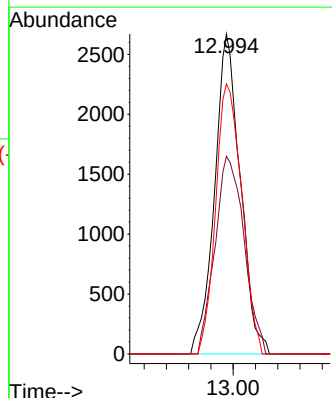
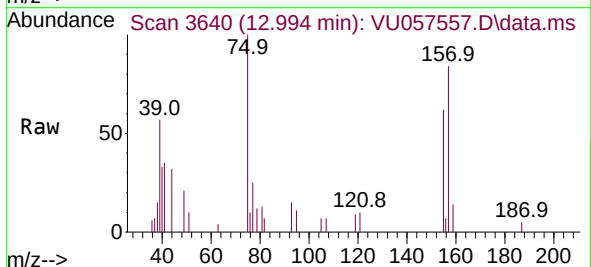
Tgt Ion: 75 Resp: 4272

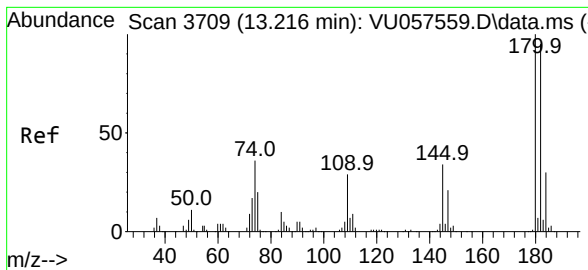
Ion Ratio Lower Upper

75 100

155 68.7 55.8 83.8

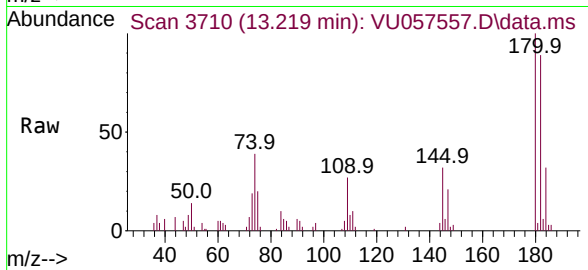
157 84.4 69.6 104.4



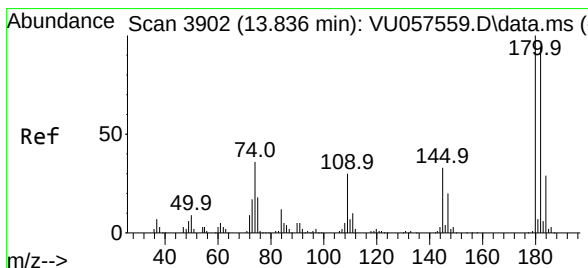
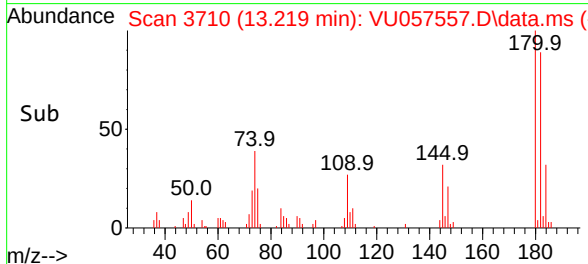
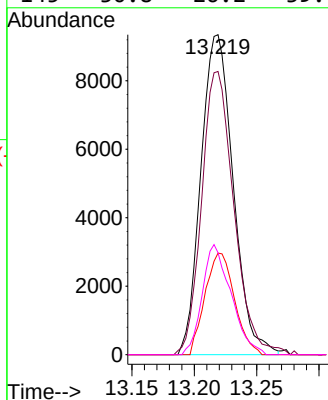


#69
 1,3,5-Trichlorobenzene
 Concen: 4.587 ug/L
 RT: 13.219 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU057557.D
 Acq: 18 Jan 2024 13:26

Instrument :
 MSVOA_U
 ClientSampleId :

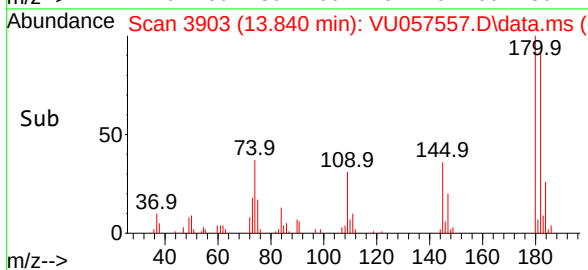
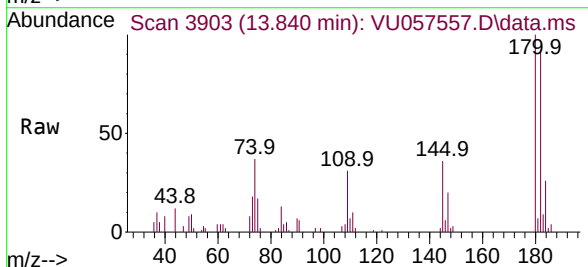
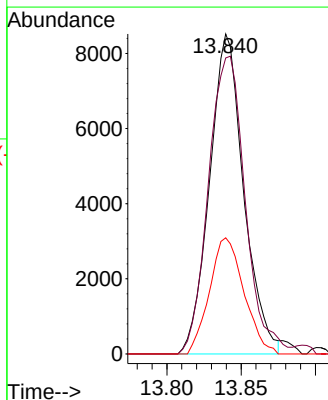


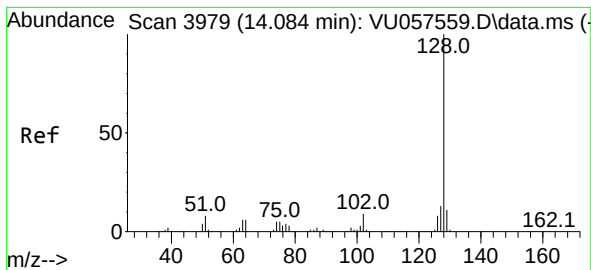
Tgt Ion:180 Resp: 16865
 Ion Ratio Lower Upper
 180 100
 182 88.3 76.2 114.2
 184 28.9 24.4 36.6
 145 30.8 26.2 39.4



#70
 1,2,4-trichlorobenzene
 Concen: 4.786 ug/L
 RT: 13.840 min Scan# 3903
 Delta R.T. 0.003 min
 Lab File: VU057557.D
 Acq: 18 Jan 2024 13:26

Tgt Ion:180 Resp: 13618
 Ion Ratio Lower Upper
 180 100
 182 100.1 75.8 113.8
 145 36.5 26.6 40.0





#71

Naphthalene

Concen: 3.953 ug/L

RT: 14.087 min Scan# 3979

Delta R.T. 0.003 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

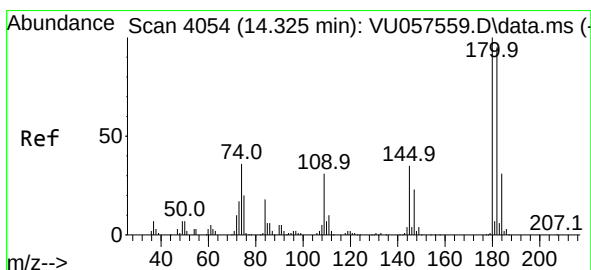
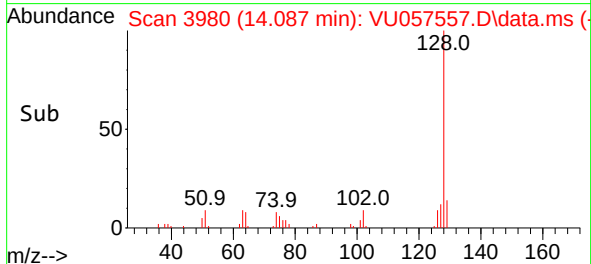
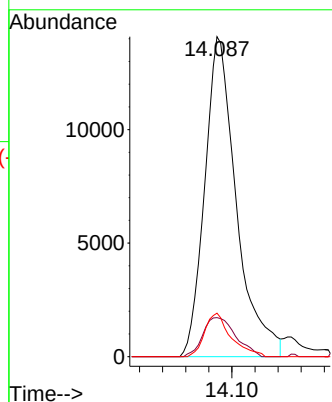
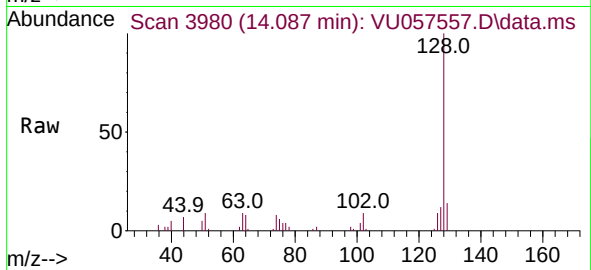
Tgt Ion:128 Resp: 26788

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 11.3 8.4 12.6



#72

1,2,3-Trichlorobenzene

Concen: 4.934 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU057557.D

Acq: 18 Jan 2024 13:26

Tgt Ion:180 Resp: 12718

Ion Ratio Lower Upper

180 100

182 97.0 77.7 116.5

145 35.8 28.3 42.5

