

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111023\
 Data File : VU056177.D
 Acq On : 10 Nov 2023 17:44
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 10 22:23:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 10 22:17:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	374500	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	365412	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	184341	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	96420	4.148	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.000%
7) Chloroethane-d5	1.907	69	70992	4.500	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.563	65	43210	4.219	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	4.621	46	206262	54.087	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.180%
24) Chloroform-d	5.058	84	211231	4.774	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.695	65	91500	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
32) Benzene-d6	5.721	84	416338	4.744	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	6.685	67	121946	4.720	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.400%
41) Toluene-d8	7.894	98	379612	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.400%
43) trans-1,3-Dichloroprop...	8.177	79	45836	4.642	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.627	63	188353	58.194	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.380%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	93423	5.067	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	136052	4.786	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	154956	4.879	ug/L	100
3) Chloromethane	1.515	50	145510	4.891	ug/L	99
5) Vinyl chloride	1.602	62	151707	4.929	ug/L	99
6) Bromomethane	1.853	94	88010	4.978	ug/L	99
8) Chloroethane	1.930	64	85944	5.150	ug/L	99
9) Trichlorofluoromethane	2.136	101	205663	5.052	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	130871	5.046	ug/L	99
12) 1,1-Dichloroethene	2.576	96	123485	5.130	ug/L	97
13) Acetone	2.631	43	144974	51.548	ug/L	98
14) Carbon disulfide	2.788	76	396681	4.836	ug/L	99
15) Methyl Acetate	2.949	43	38708	4.878	ug/L	97
16) Methylene chloride	3.039	84	141053	5.110	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	285062	5.257	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	129796	5.089	ug/L	97
19) 1,1-Dichloroethane	3.862	63	238454	5.125	ug/L	97
21) 2-Butanone	4.702	43	252019	54.336	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	145443	5.282	ug/L	99
23) Bromochloromethane	4.968	128	61598	5.042	ug/L	99
25) Chloroform	5.081	83	254119	5.126	ug/L	99

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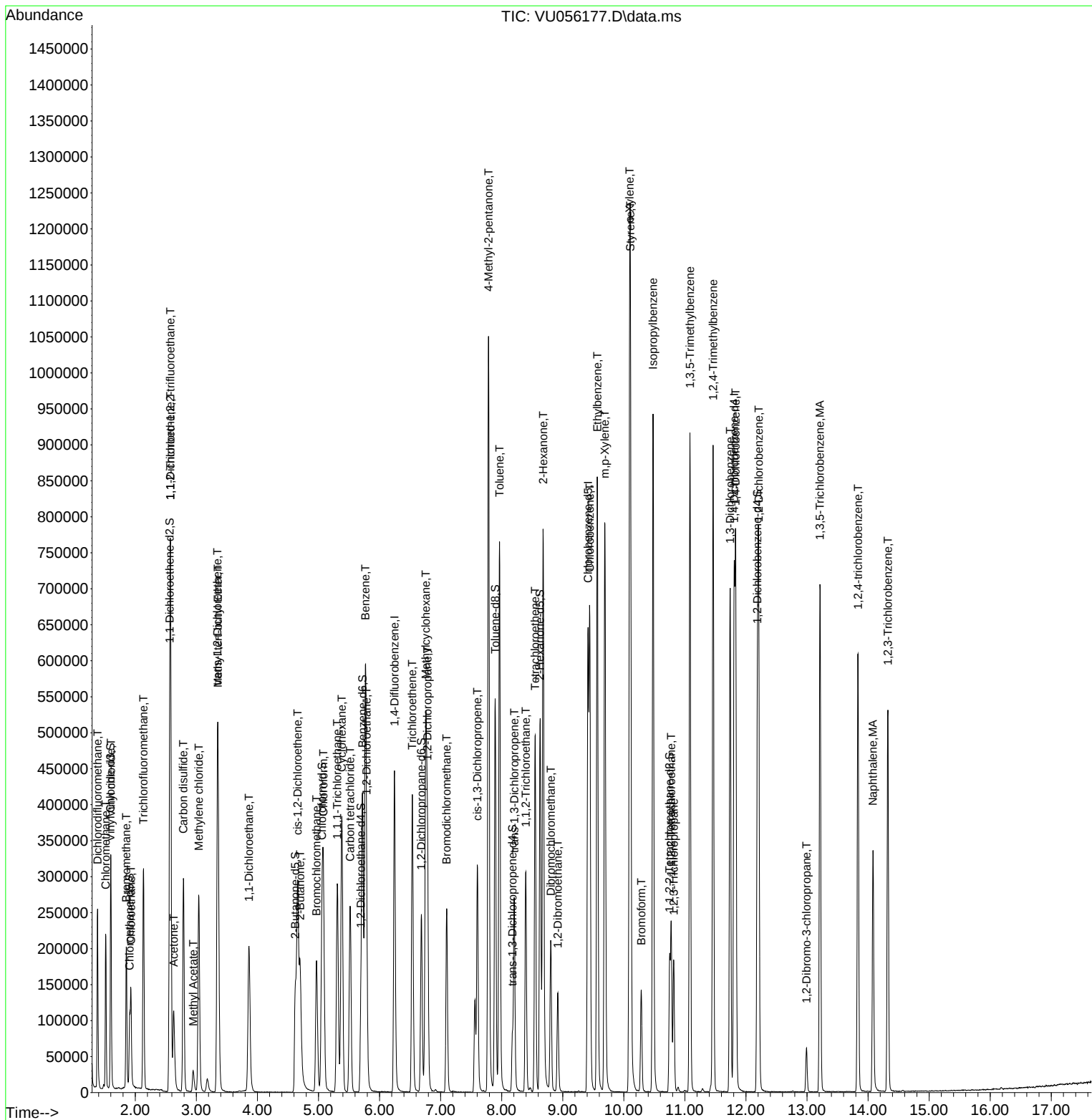
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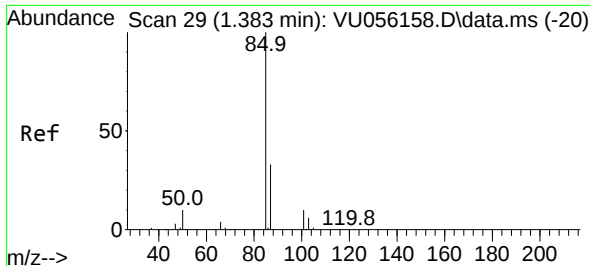
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	142464	5.077	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	215162	5.140	ug/L	99
30) Cyclohexane	5.383	56	196194	5.016	ug/L	98
31) Carbon tetrachloride	5.518	117	188281	5.065	ug/L	100
33) Benzene	5.769	78	541206	5.172	ug/L	100
34) Trichloroethene	6.537	95	148318	5.190	ug/L	97
35) Methylcyclohexane	6.756	83	211754	4.985	ug/L	99
37) 1,2-Dichloropropane	6.785	63	139096	5.112	ug/L	100
38) Bromodichloromethane	7.100	83	172539	5.078	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	199065	5.184	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	648397	54.481	ug/L	99
42) Toluene	7.965	91	584359	5.298	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	161004	5.178	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	98793	5.311	ug/L	98
47) Tetrachloroethene	8.550	164	112796	5.259	ug/L	99
48) 2-Hexanone	8.679	43	478214	55.188	ug/L	97
49) Dibromochloromethane	8.804	129	111776	5.237	ug/L	98
50) 1,2-Dibromoethane	8.920	107	92392	5.316	ug/L	98
51) Chlorobenzene	9.444	112	369763	5.196	ug/L	98
52) Ethylbenzene	9.566	91	627437	5.220	ug/L	99
53) m,p-Xylene	9.688	106	245629	5.373	ug/L	99
54) o-Xylene	10.097	106	237576	5.421	ug/L	95
55) Styrene	10.110	104	405654	5.658	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	114635	5.244	ug/L	98
59) Bromoform	10.286	173	66198	5.171	ug/L	100
60) Isopropylbenzene	10.479	105	635244	5.315	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	79543	4.999	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	510792	5.270	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	518066	5.449	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	300081	5.301	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	294536	5.262	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	279276	5.354	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	16822	5.012	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	227382	5.363	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	188269	5.597	ug/L	97
71) Naphthalene	14.081	128	282683	5.666	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	165328	5.606	ug/L	98

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

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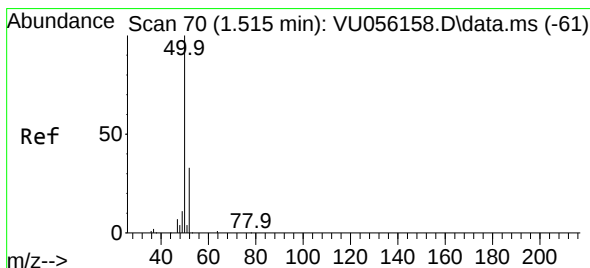
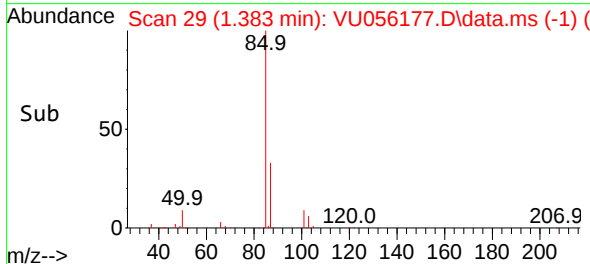
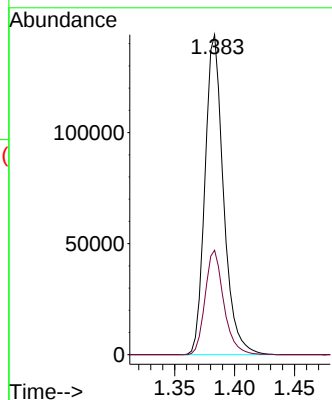
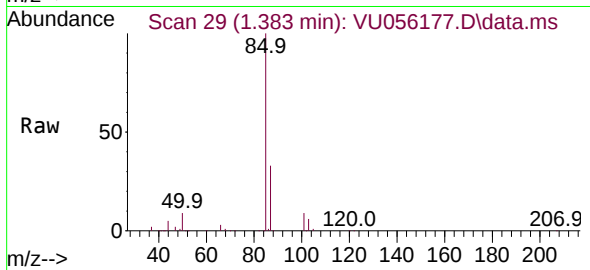




#2
 Dichlorodifluoromethane
 Concen: 4.879 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

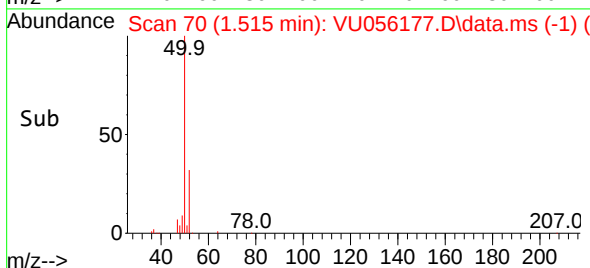
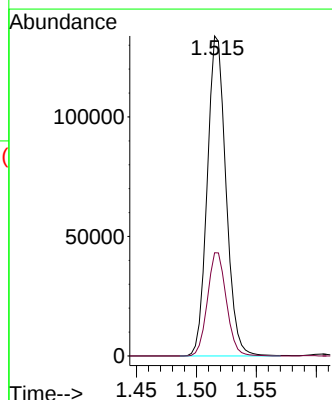
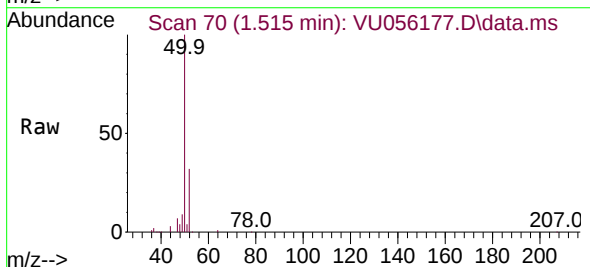
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 ClientSampleId :

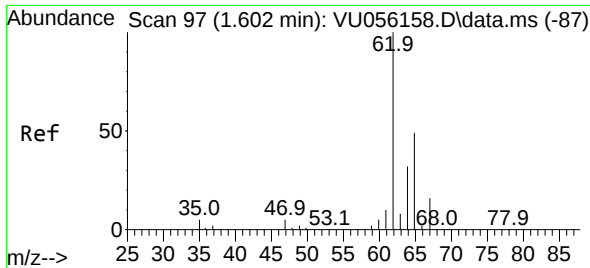
Tgt Ion: 85 Resp: 154956
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.4 39.6



#3
 Chloromethane
 Concen: 4.891 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

Tgt Ion: 50 Resp: 145510
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.2 41.2

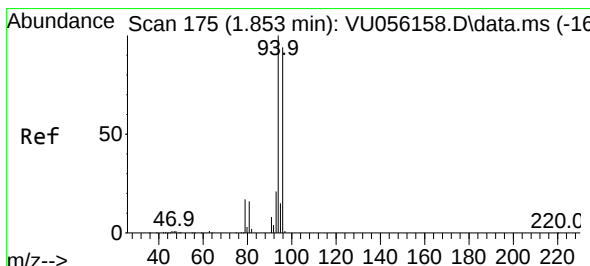
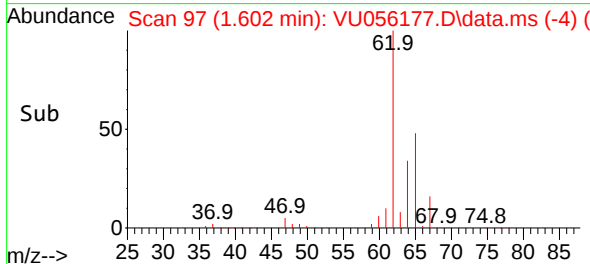
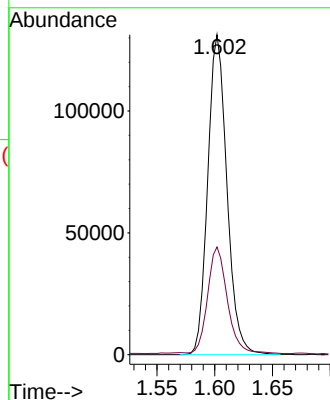
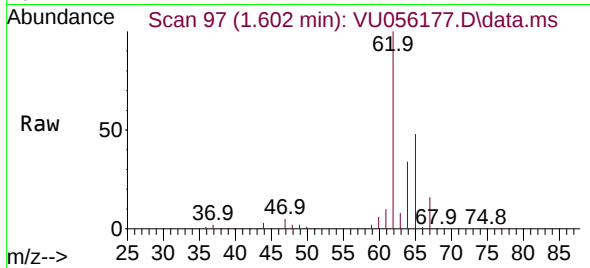




#5
 Vinyl chloride
 Concen: 4.929 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

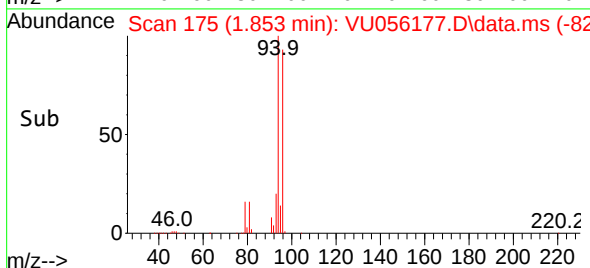
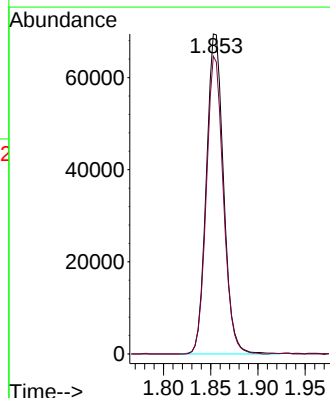
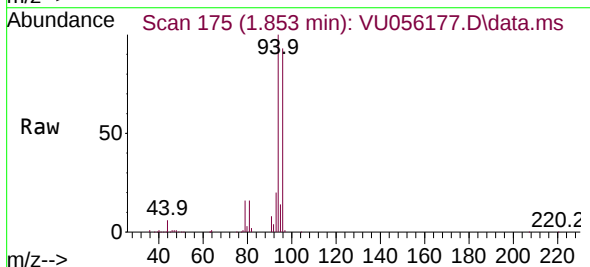
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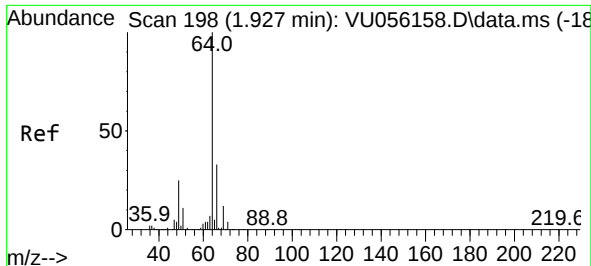
Tgt Ion: 62 Resp: 151707
 Ion Ratio Lower Upper
 62 100
 64 33.7 24.1 44.7



#6
 Bromomethane
 Concen: 4.978 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

Tgt Ion: 94 Resp: 88010
 Ion Ratio Lower Upper
 94 100
 96 93.1 65.6 121.8

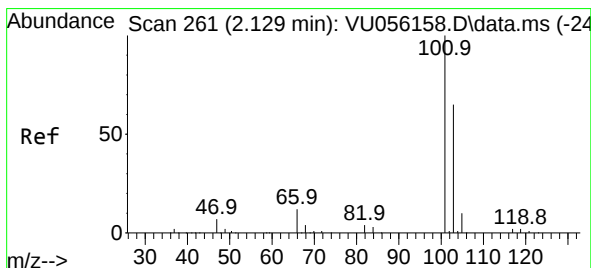
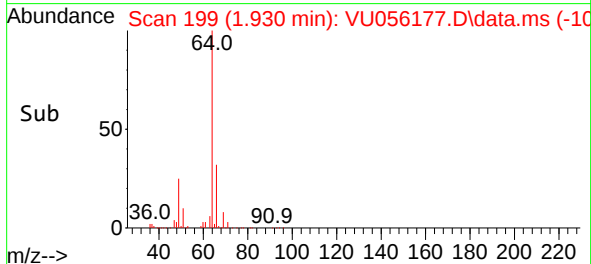
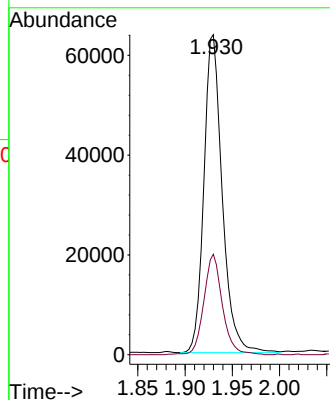
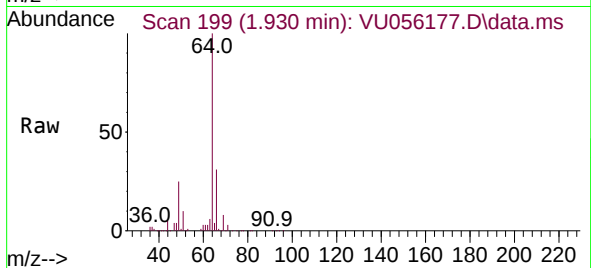




#8
Chloroethane
Concen: 5.150 ug/L
RT: 1.930 min Scan# 198
Delta R.T. 0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

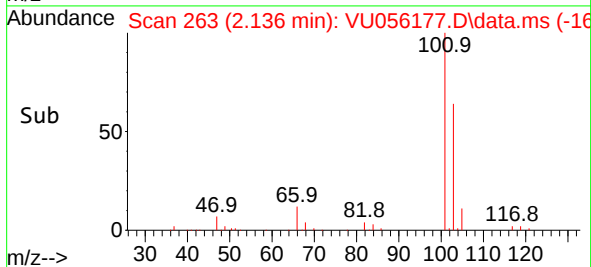
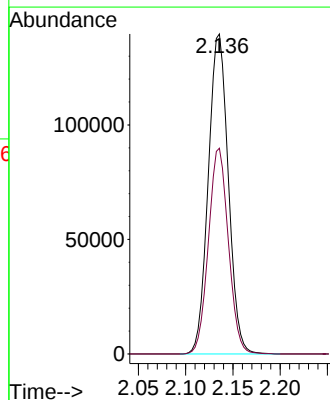
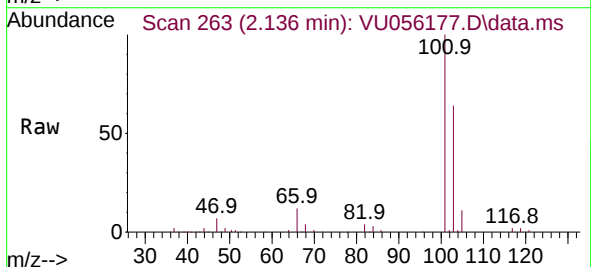
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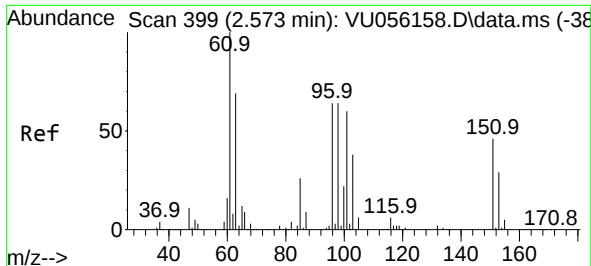
Tgt Ion: 64 Resp: 85944
Ion Ratio Lower Upper
64 100
66 31.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.052 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.006 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion:101 Resp: 205663
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6

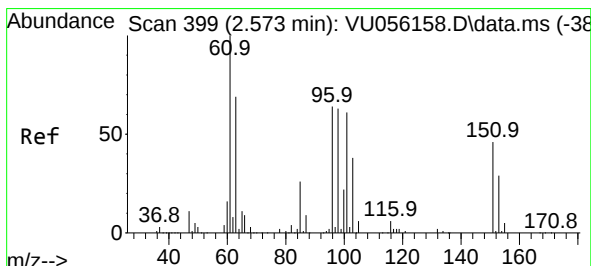
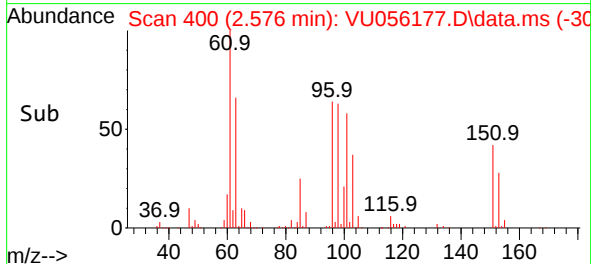
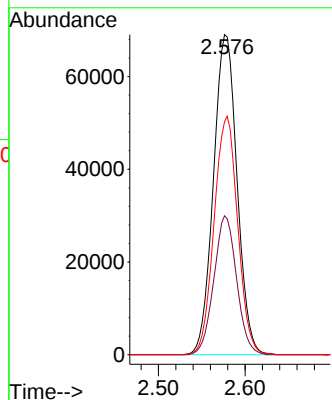
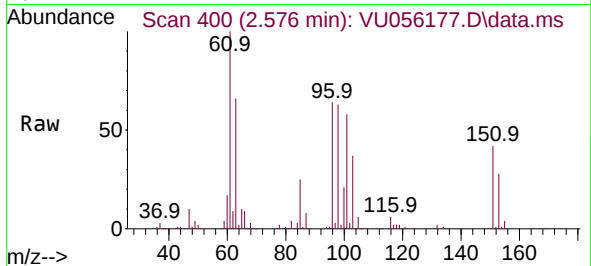




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.046 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

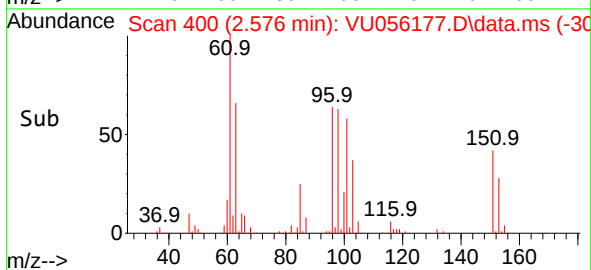
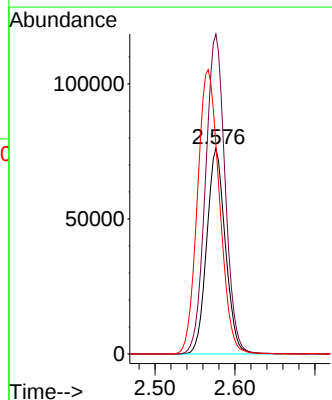
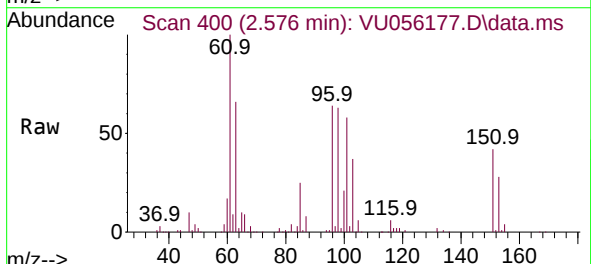
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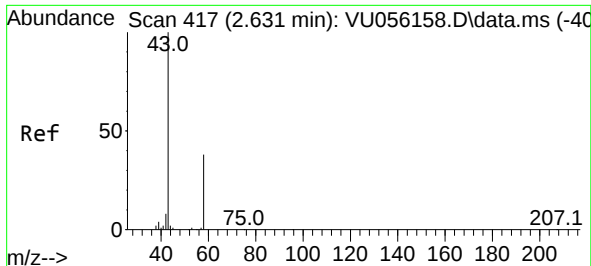
Tgt Ion:101 Resp: 130871
 Ion Ratio Lower Upper
 101 100
 85 41.8 34.2 51.4
 151 74.4 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 5.130 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

Tgt Ion: 96 Resp: 123485
 Ion Ratio Lower Upper
 96 100
 61 155.8 111.7 207.5
 63 102.3 74.5 138.3





#13

Acetone

Concen: 51.548 ug/L

RT: 2.631 min Scan# 417

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

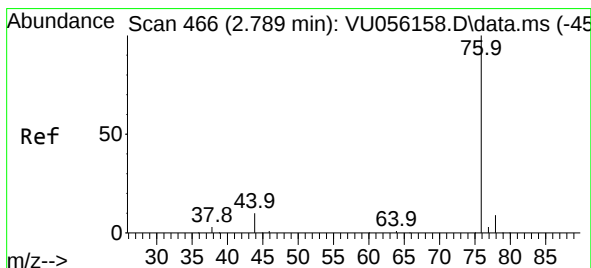
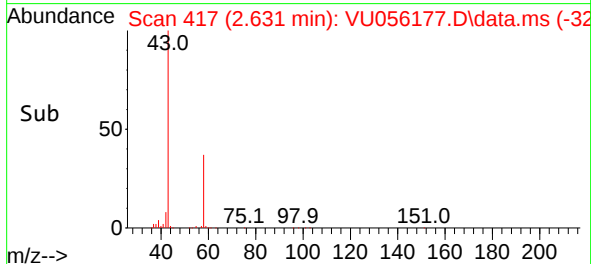
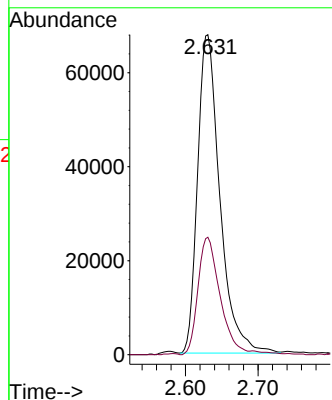
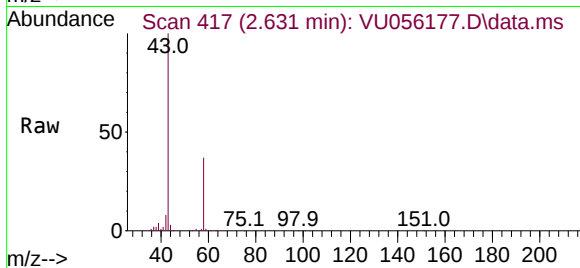
ClientSampleId :

Tgt Ion: 43 Resp: 144974

Ion Ratio Lower Upper

43 100

58 36.2 0.0 74.4



#14

Carbon disulfide

Concen: 4.836 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056177.D

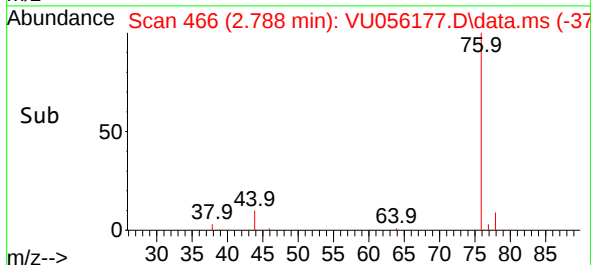
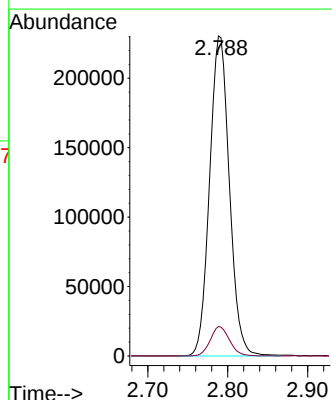
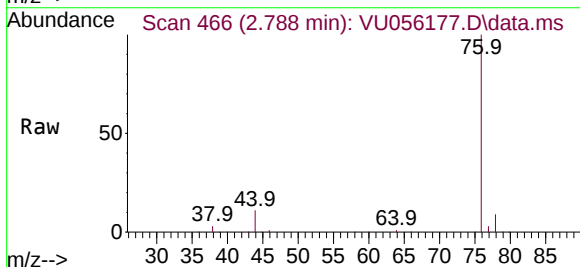
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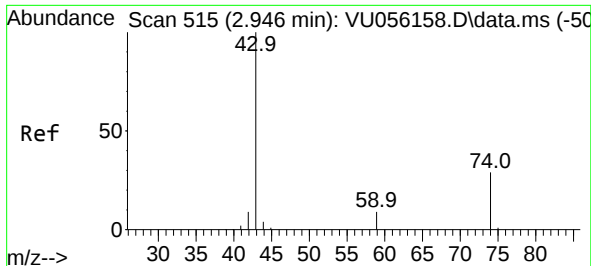
Tgt Ion: 76 Resp: 396681

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

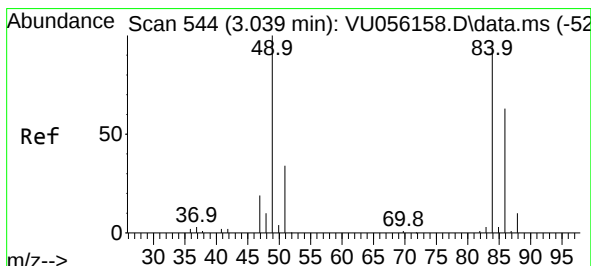
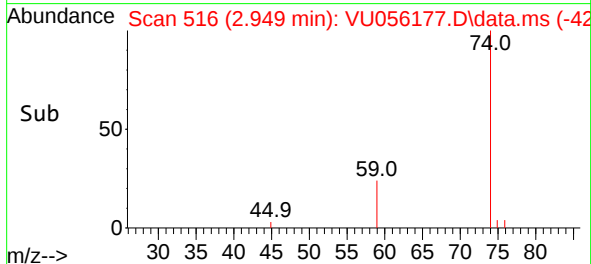
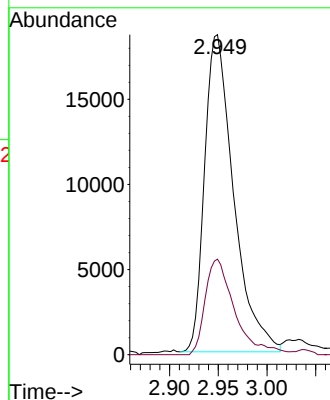
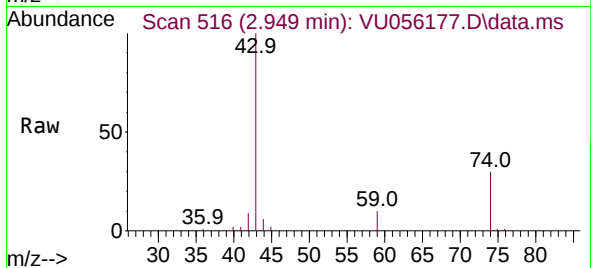




#15
Methyl Acetate
Concen: 4.878 ug/L
RT: 2.949 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

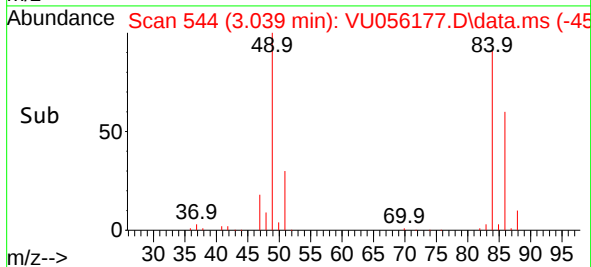
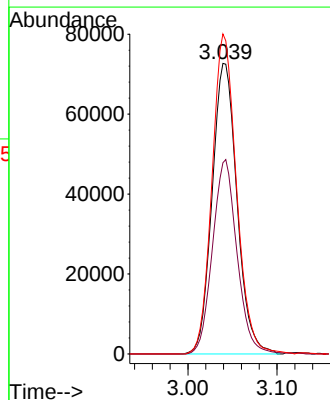
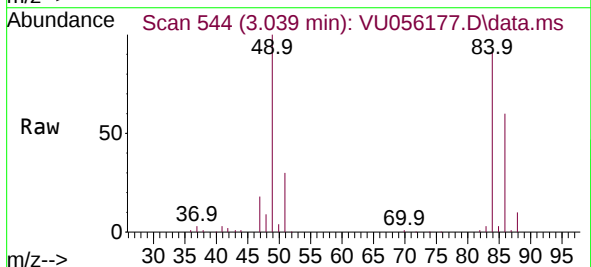
Instrument :
MSVOA_U
ClientSampleId :

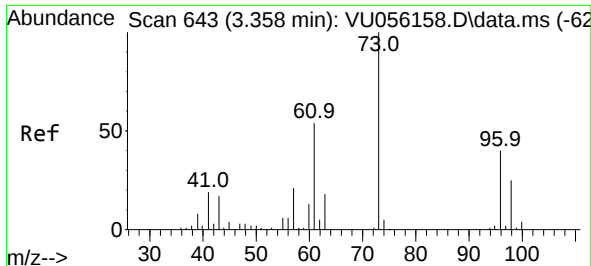
Tgt Ion: 43 Resp: 38708
Ion Ratio Lower Upper
43 100
74 30.5 23.3 34.9



#16
Methylene chloride
Concen: 5.110 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion: 84 Resp: 141053
Ion Ratio Lower Upper
84 100
86 65.8 44.9 83.5
49 110.1 75.0 139.4





#17

Methyl tert-butyl Ether

Concen: 5.257 ug/L

RT: 3.354 min Scan# 643

Delta R.T. -0.003 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

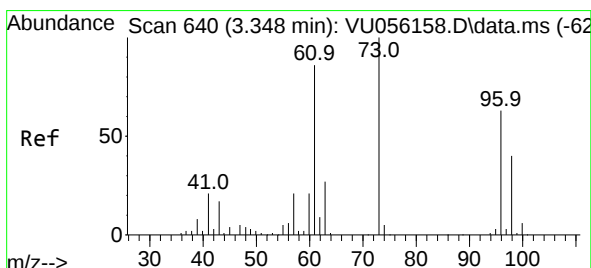
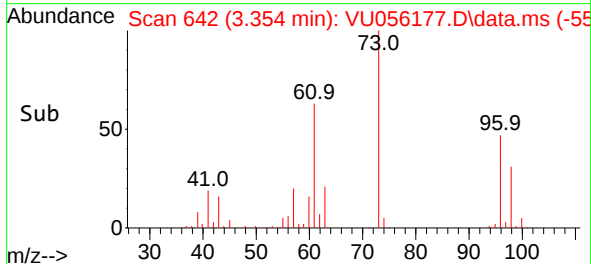
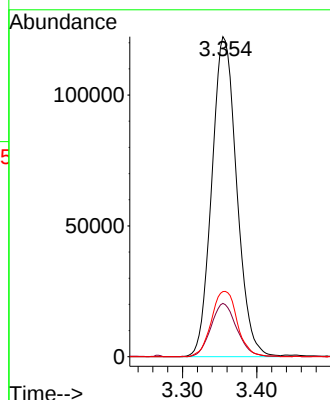
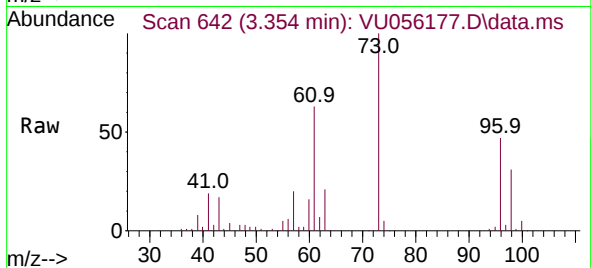
Tgt Ion: 73 Resp: 285062

Ion Ratio Lower Upper

73 100

43 17.3 13.6 20.4

57 21.2 17.3 25.9



#18

trans-1,2-Dichloroethene

Concen: 5.089 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

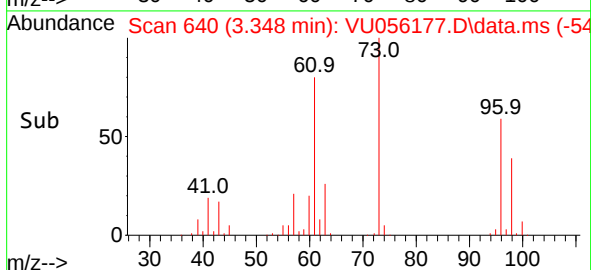
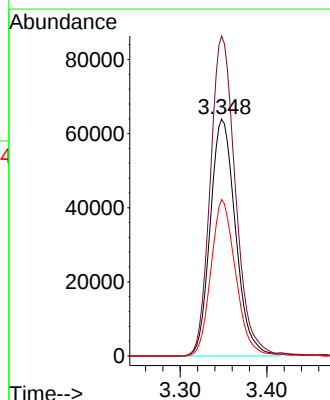
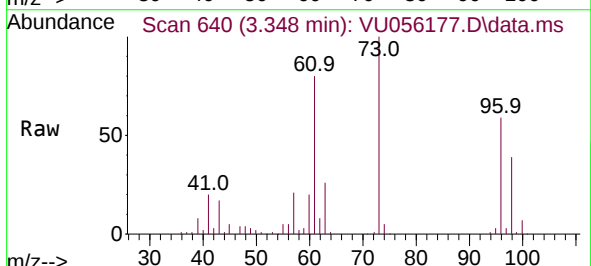
Tgt Ion: 96 Resp: 129796

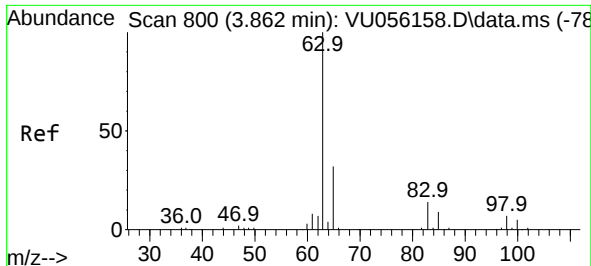
Ion Ratio Lower Upper

96 100

61 135.1 96.7 179.5

98 66.1 44.3 82.3





#19

1,1-Dichloroethane

Concen: 5.125 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

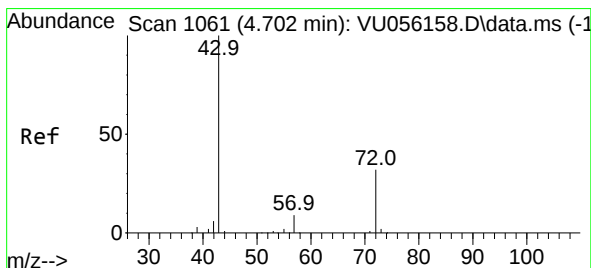
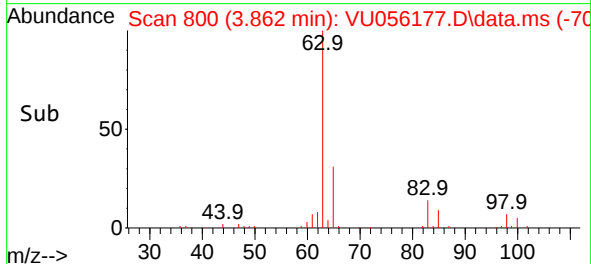
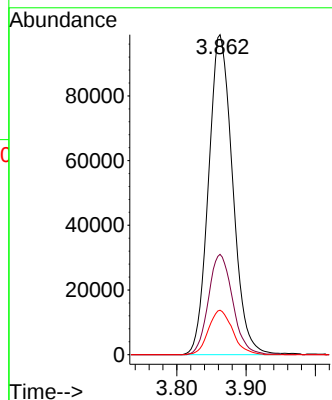
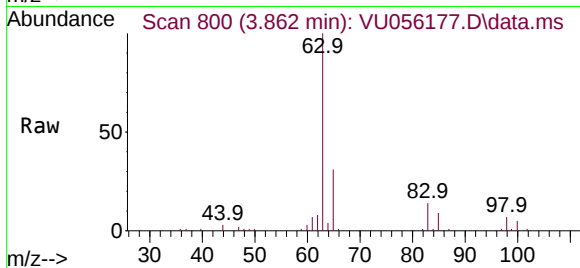
Tgt Ion: 63 Resp: 238454

Ion Ratio Lower Upper

63 100

65 31.4 20.6 38.2

83 13.9 9.6 17.8



#21

2-Butanone

Concen: 54.336 ug/L

RT: 4.702 min Scan# 1061

Delta R.T. -0.000 min

Lab File: VU056177.D

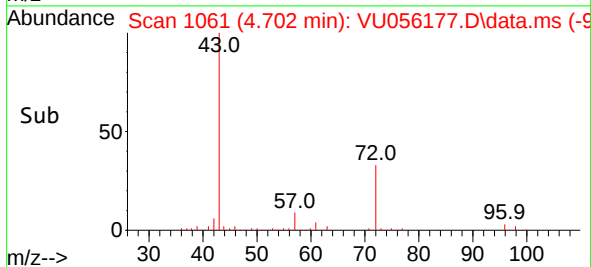
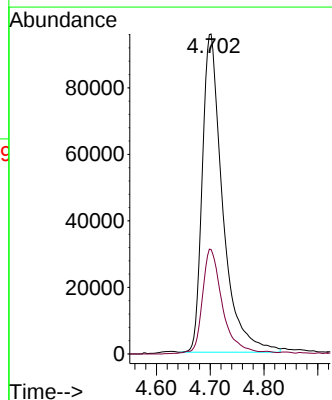
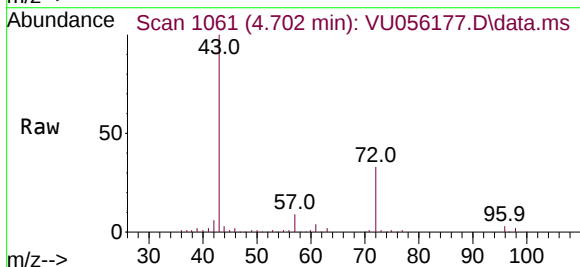
Acq: 10 Nov 2023 17:44

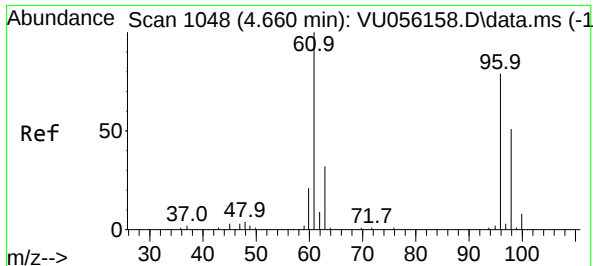
Tgt Ion: 43 Resp: 252019

Ion Ratio Lower Upper

43 100

72 32.4 15.7 47.0

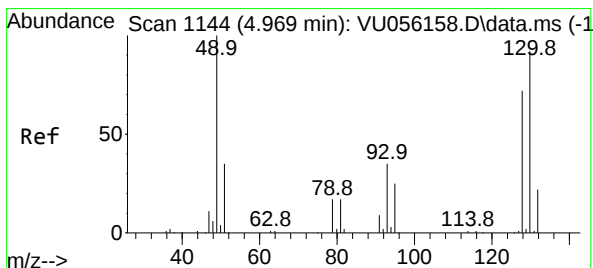
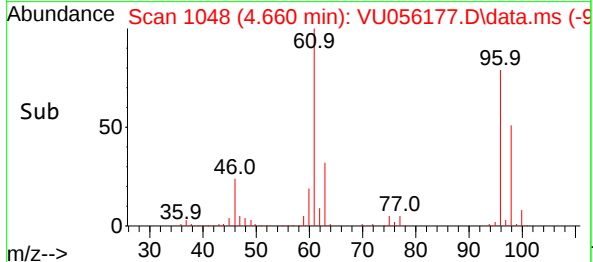
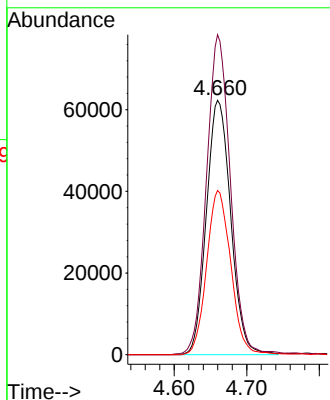
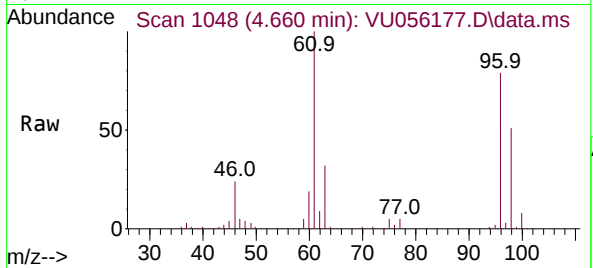




#22
 cis-1,2-Dichloroethene
 Concen: 5.282 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

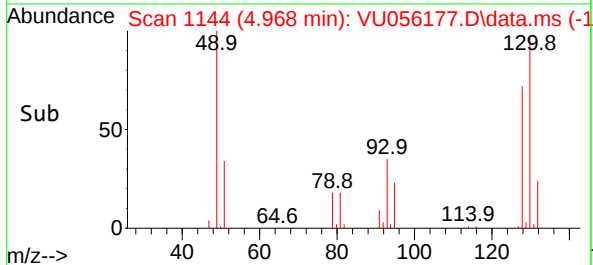
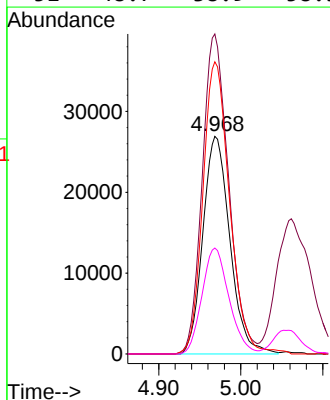
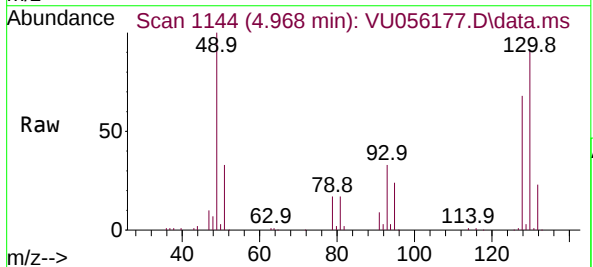
Instrument :
 MSVOA_U
 ClientSampleId :

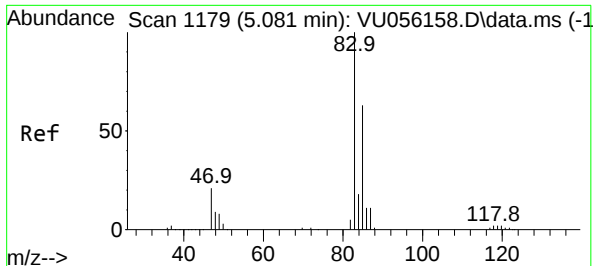
Tgt Ion: 96 Resp: 145443
 Ion Ratio Lower Upper
 96 100
 61 125.8 87.8 163.2
 98 64.5 43.5 80.7



#23
 Bromochloromethane
 Concen: 5.042 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

Tgt Ion: 128 Resp: 61598
 Ion Ratio Lower Upper
 128 100
 49 147.0 103.7 192.7
 130 134.3 91.8 170.6
 51 48.7 38.9 58.3





#25

Chloroform

Concen: 5.126 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

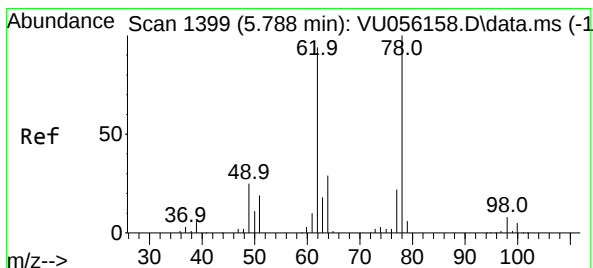
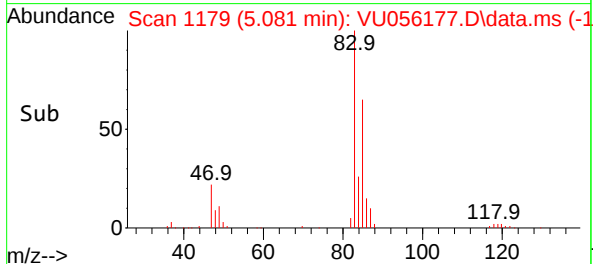
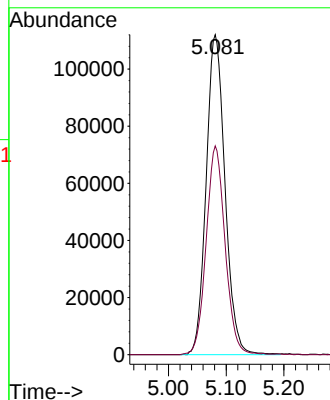
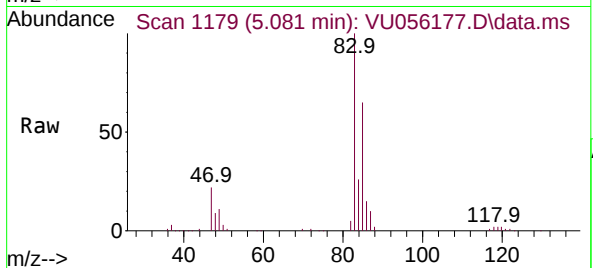
ClientSampleId :

Tgt Ion: 83 Resp: 254119

Ion Ratio Lower Upper

83 100

85 65.3 45.3 84.1



#27

1,2-Dichloroethane

Concen: 5.077 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056177.D

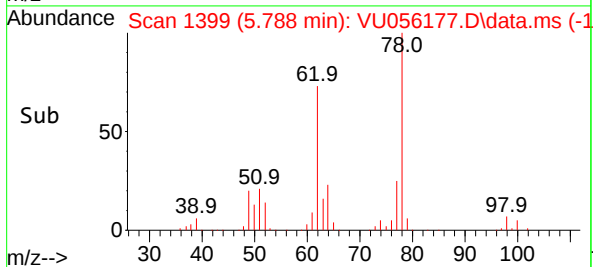
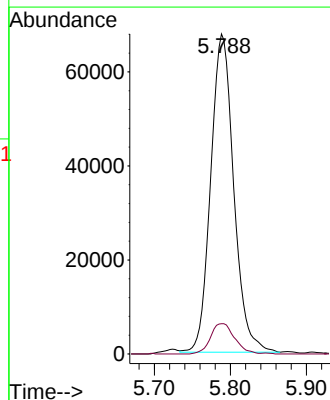
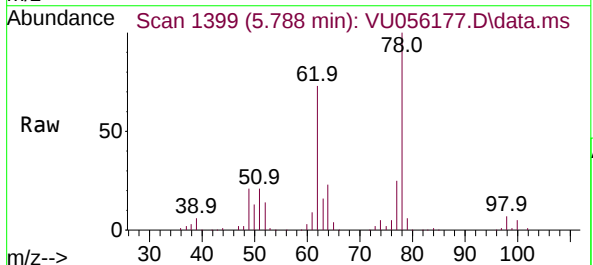
Acq: 10 Nov 2023 17:44

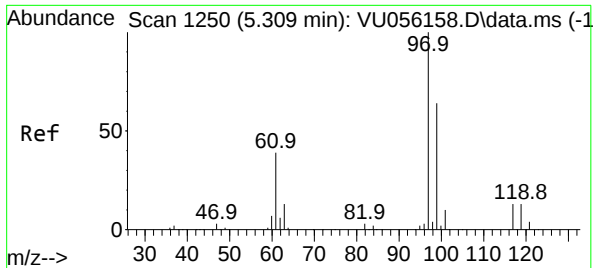
Tgt Ion: 62 Resp: 142464

Ion Ratio Lower Upper

62 100

98 9.4 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.140 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

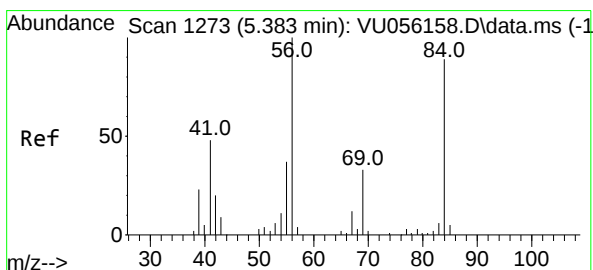
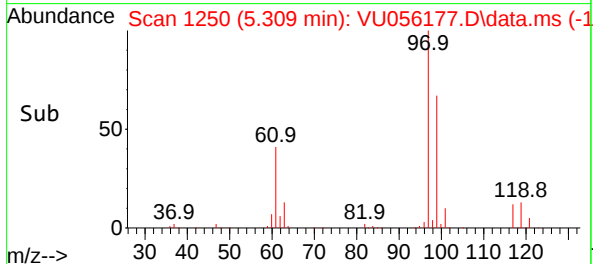
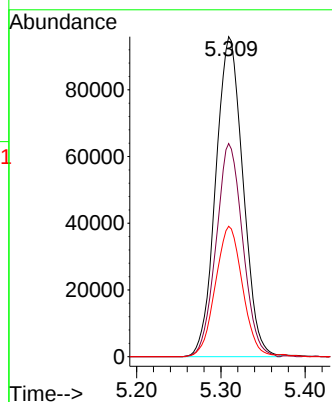
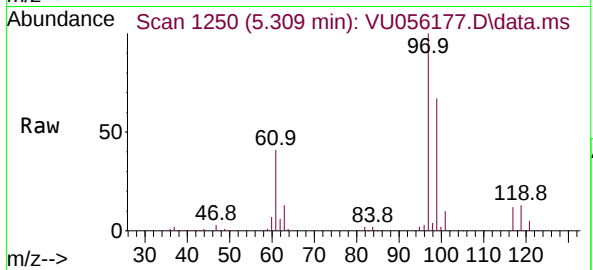
Tgt Ion: 97 Resp: 215162

Ion Ratio Lower Upper

97 100

99 65.1 52.0 78.0

61 40.6 33.4 50.0



#30

Cyclohexane

Concen: 5.016 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

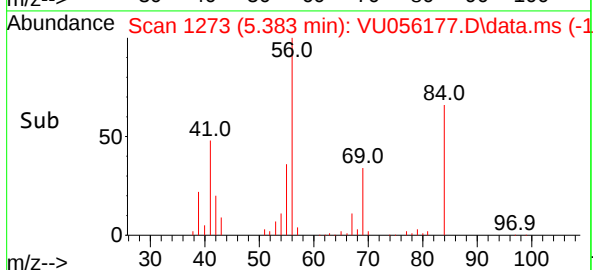
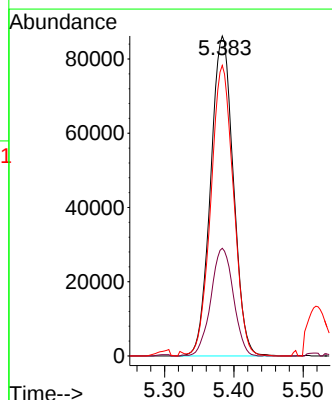
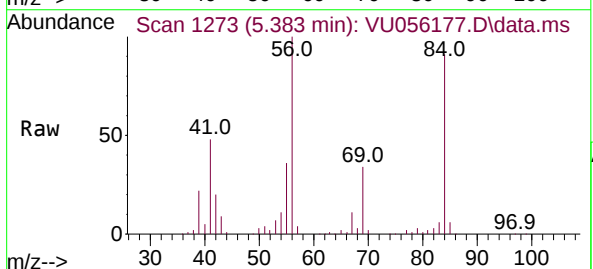
Tgt Ion: 56 Resp: 196194

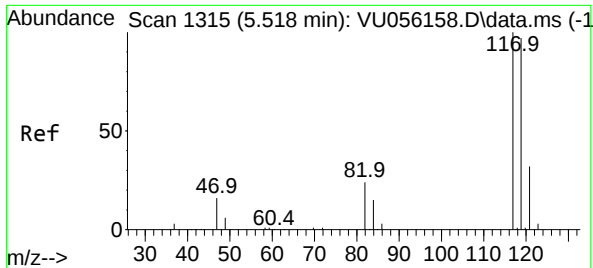
Ion Ratio Lower Upper

56 100

69 33.3 26.6 39.8

84 90.3 70.4 105.6

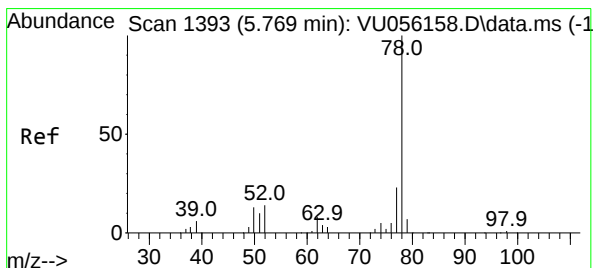
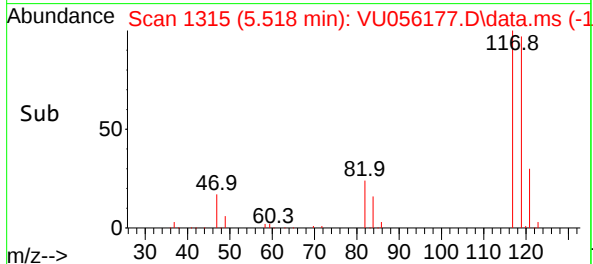
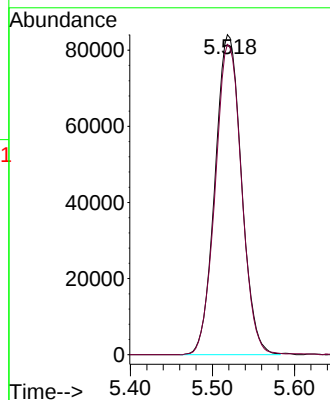
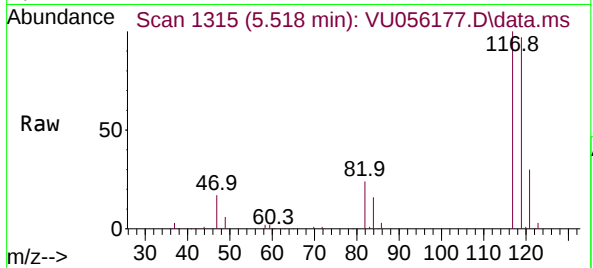




#31
Carbon tetrachloride
Concen: 5.065 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

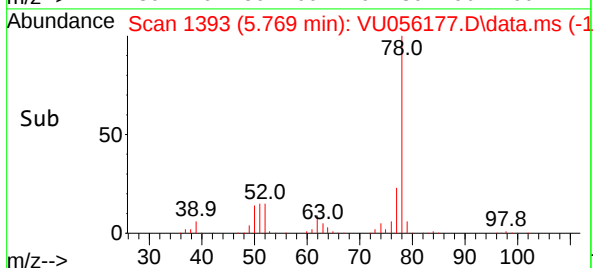
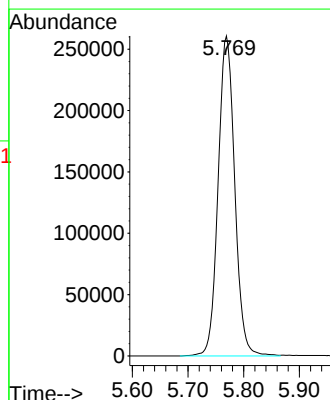
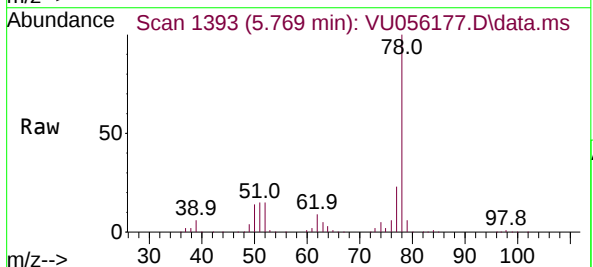
Instrument :
MSVOA_U
ClientSampleId :

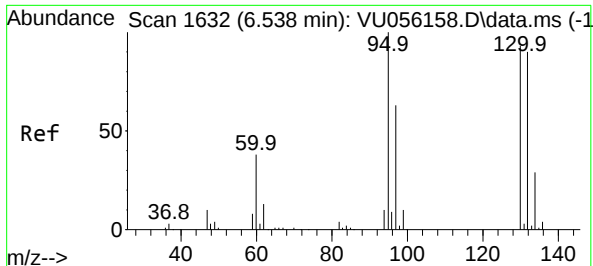
Tgt Ion:117 Resp: 188281
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8



#33
Benzene
Concen: 5.172 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion: 78 Resp: 541206

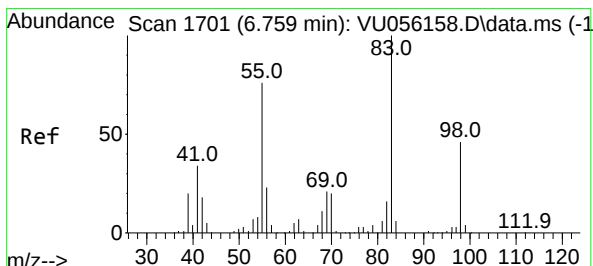
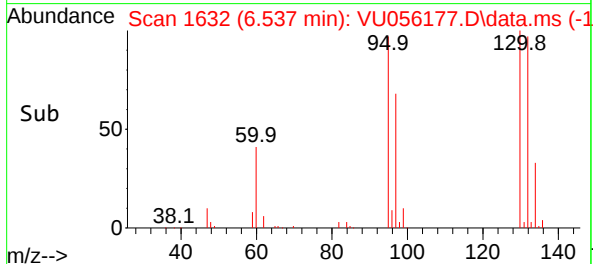
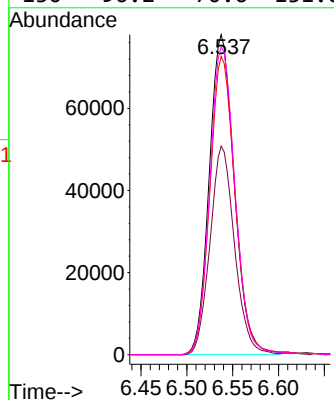
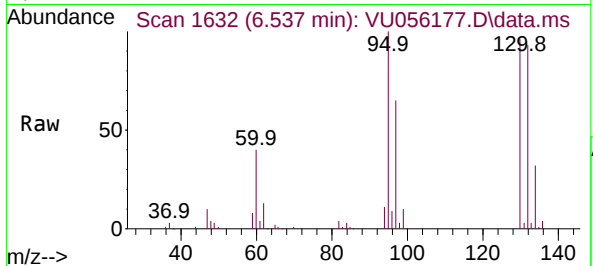




#34
Trichloroethene
Concen: 5.190 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

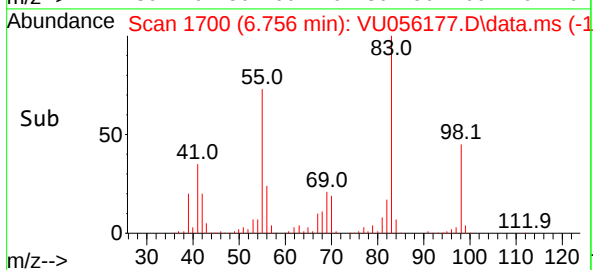
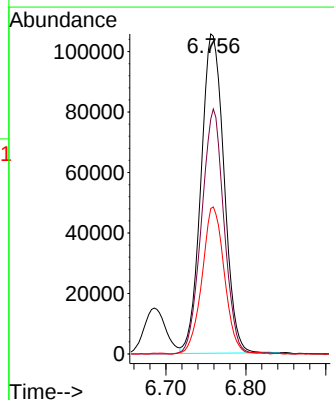
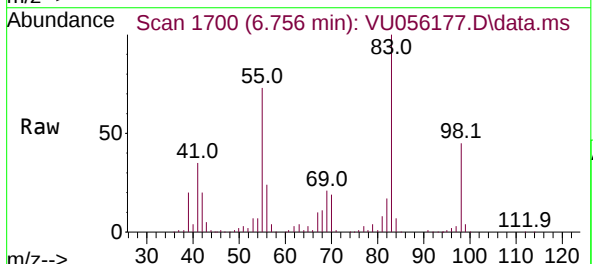
Instrument :
MSVOA_U
ClientSampleId :

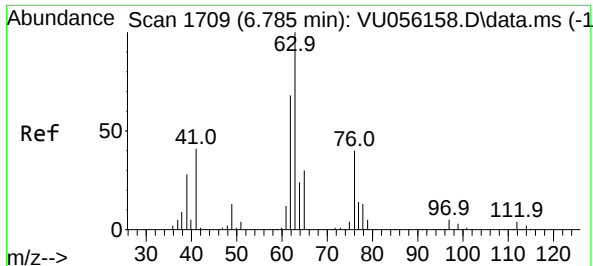
Tgt Ion: 95 Resp: 148318
Ion Ratio Lower Upper
95 100
97 65.1 46.8 87.0
132 93.2 66.5 123.5
130 96.2 70.6 131.0



#35
Methylcyclohexane
Concen: 4.985 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion: 83 Resp: 211754
Ion Ratio Lower Upper
83 100
55 74.8 60.6 91.0
98 44.6 36.2 54.4





#37

1,2-Dichloropropane

Concen: 5.112 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

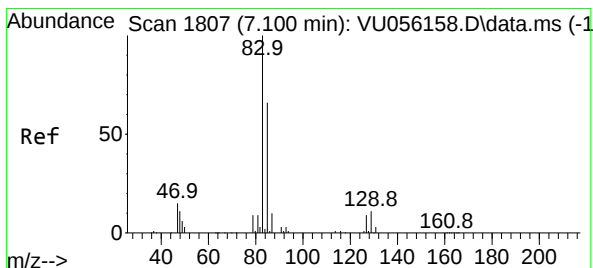
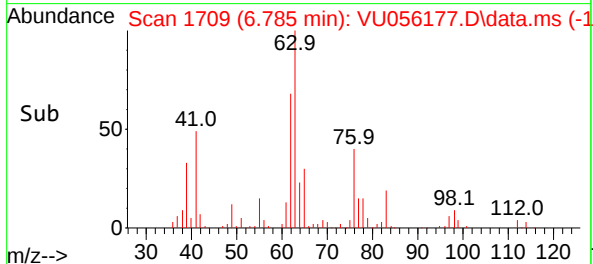
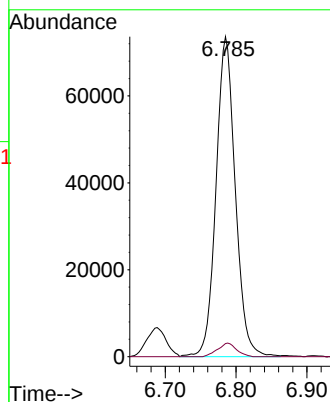
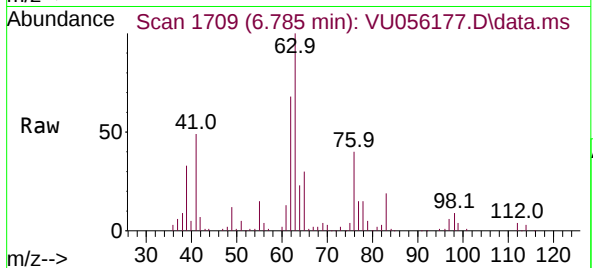
ClientSampleId :

Tgt Ion: 63 Resp: 139096

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.2



#38

Bromodichloromethane

Concen: 5.078 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

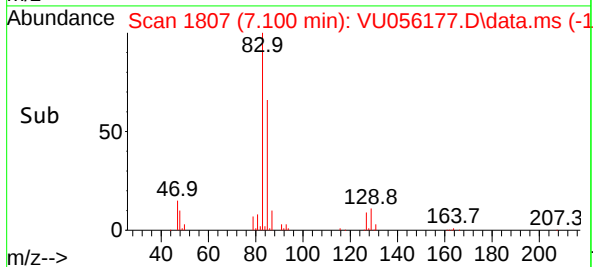
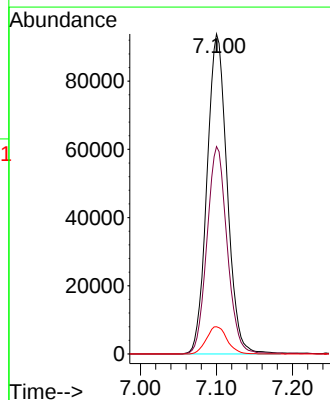
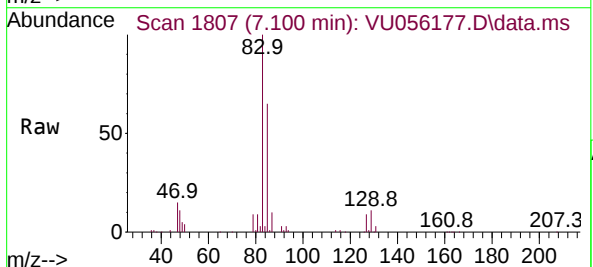
Tgt Ion: 83 Resp: 172539

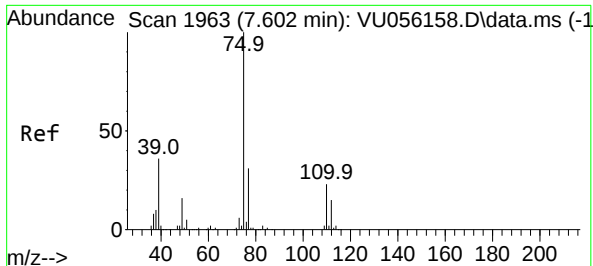
Ion Ratio Lower Upper

83 100

85 64.8 46.6 86.6

127 8.5 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.184 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

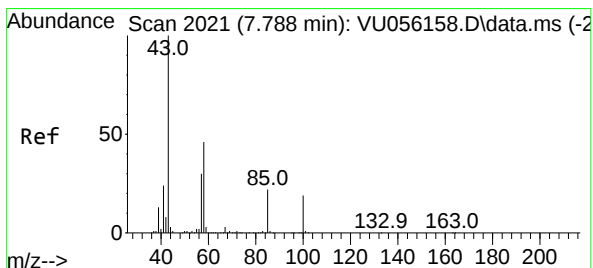
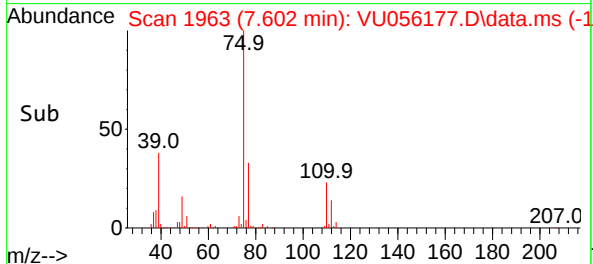
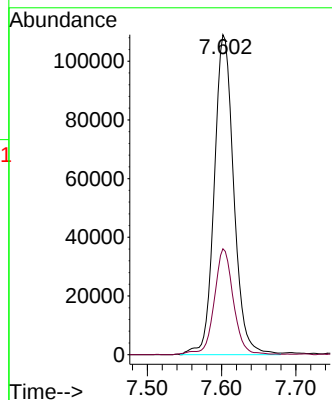
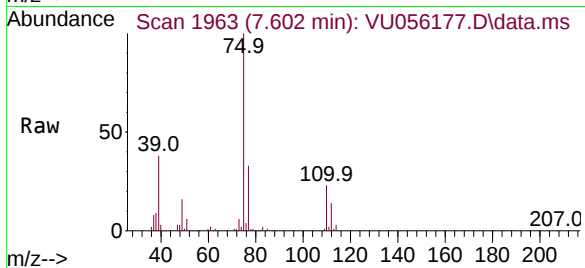
ClientSampleId :

Tgt Ion: 75 Resp: 199065

Ion Ratio Lower Upper

75 100

77 33.1 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 54.481 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

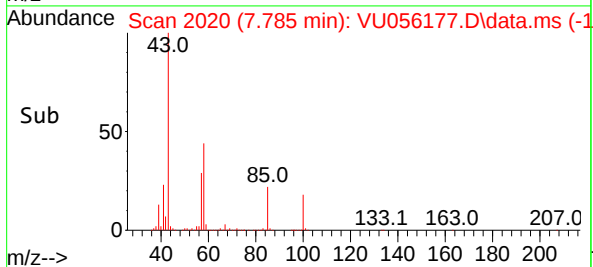
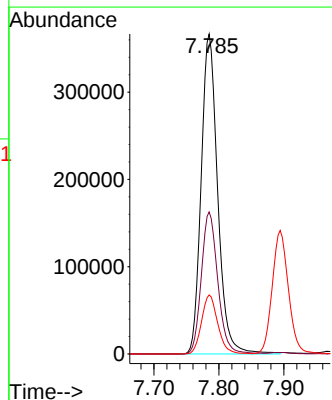
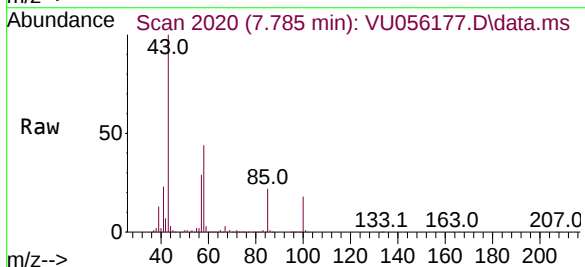
Tgt Ion: 43 Resp: 648397

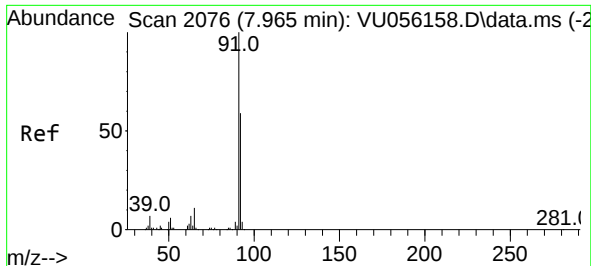
Ion Ratio Lower Upper

43 100

58 44.4 36.0 54.0

100 18.1 14.2 21.4





#42

Toluene

Concen: 5.298 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

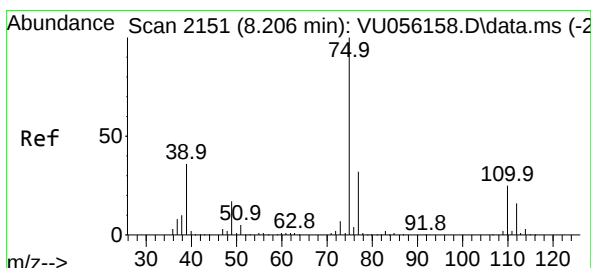
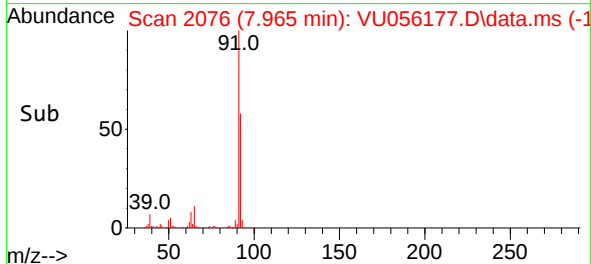
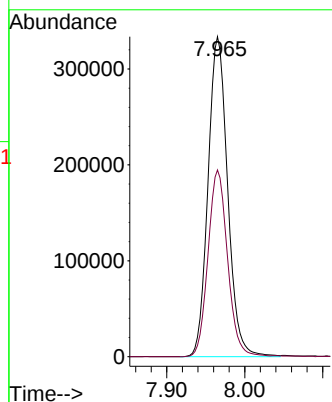
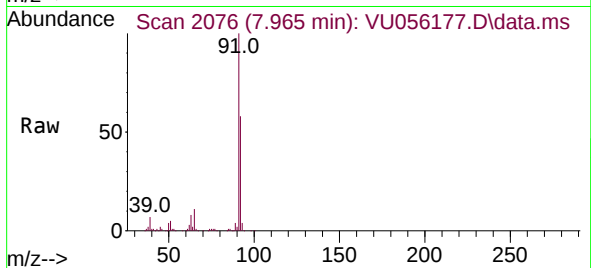
ClientSampleId :

Tgt Ion: 91 Resp: 584359

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.178 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056177.D

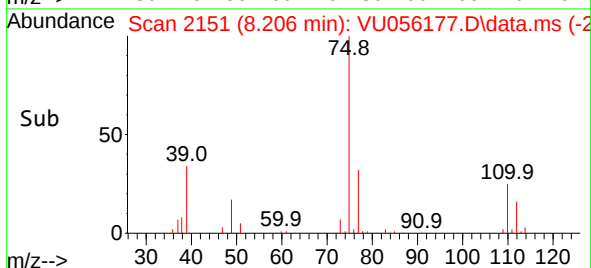
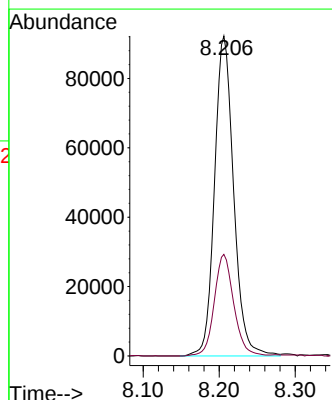
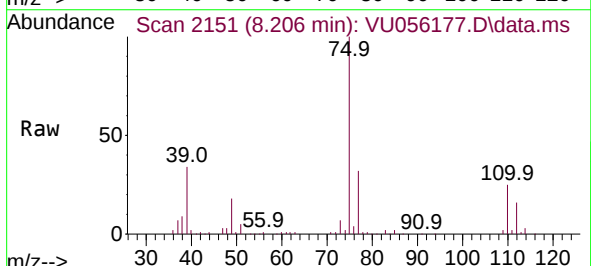
Acq: 10 Nov 2023 17:44

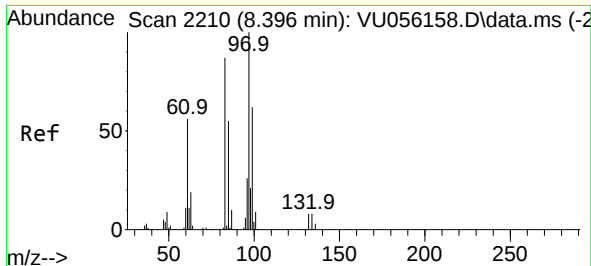
Tgt Ion: 75 Resp: 161004

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3

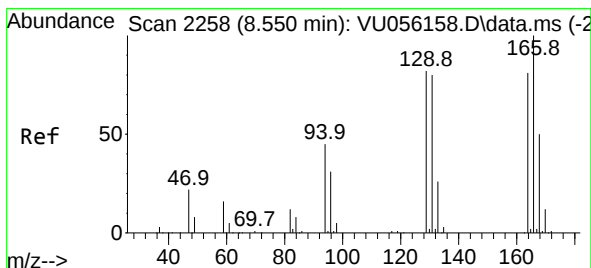
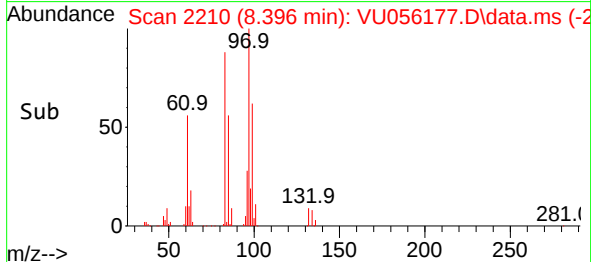
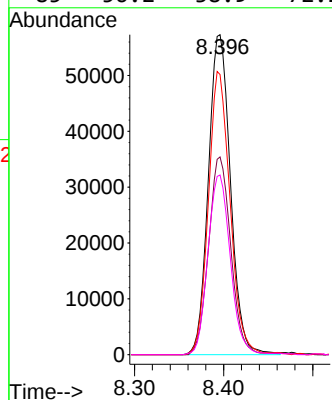
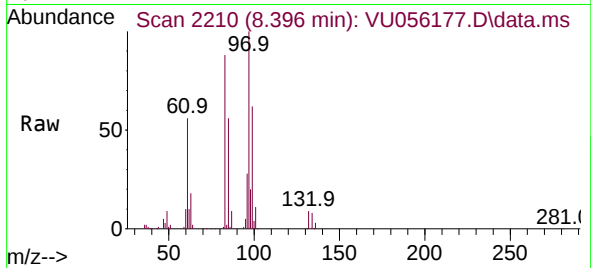




#45
1,1,2-Trichloroethane
Concen: 5.311 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

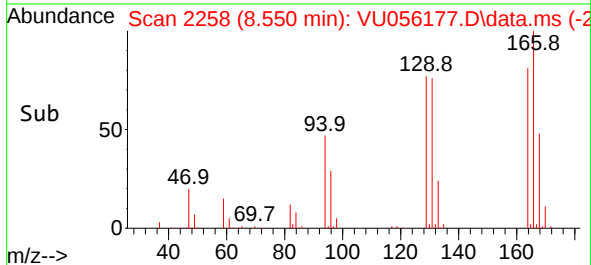
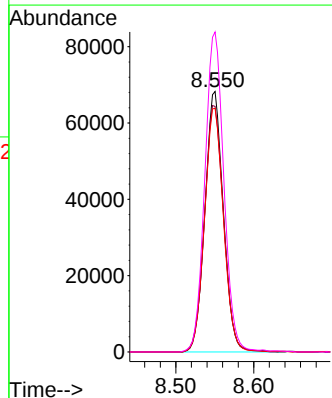
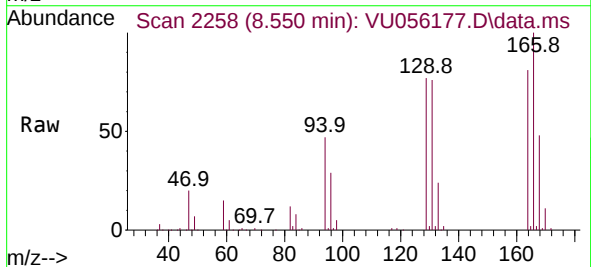
Instrument :
MSVOA_U
ClientSampleId :

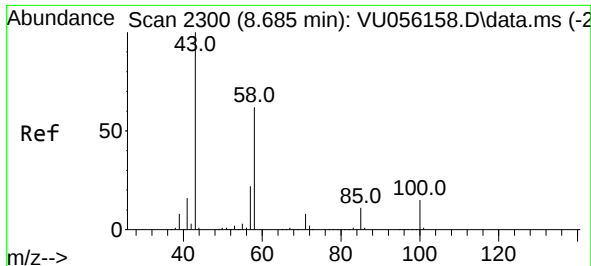
Tgt Ion:	97	Resp:	98793
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.7	82.9
83	87.5	59.4	110.2
85	56.2	38.9	72.2



#47
Tetrachloroethene
Concen: 5.259 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

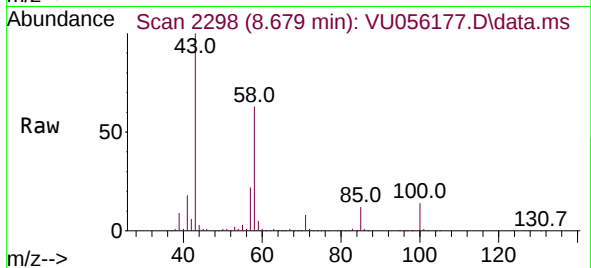
Tgt Ion:	164	Resp:	112796
Ion	Ratio	Lower	Upper
164	100		
129	94.3	66.6	123.8
131	93.6	67.8	126.0
166	122.9	85.9	159.5



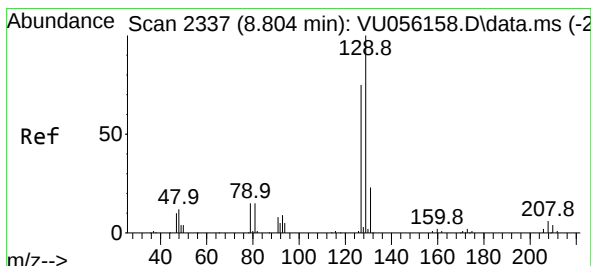
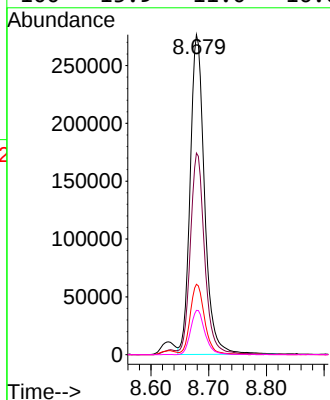
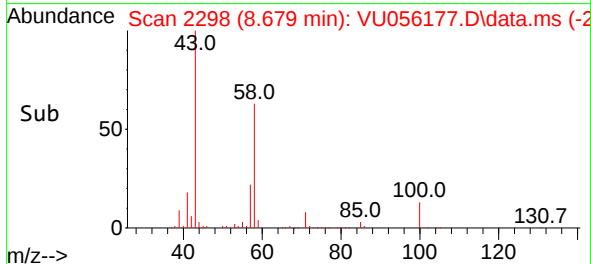


#48
2-Hexanone
Concen: 55.188 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Instrument :
MSVOA_U
ClientSampleId :

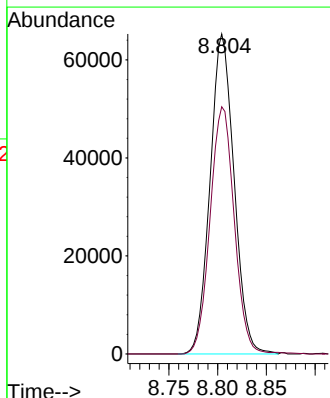
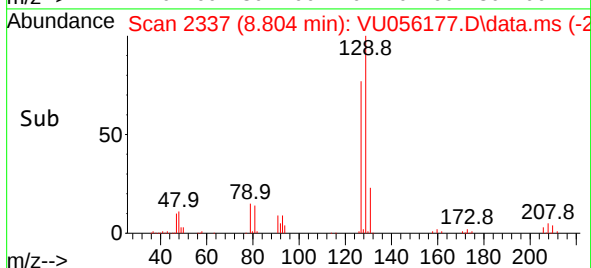
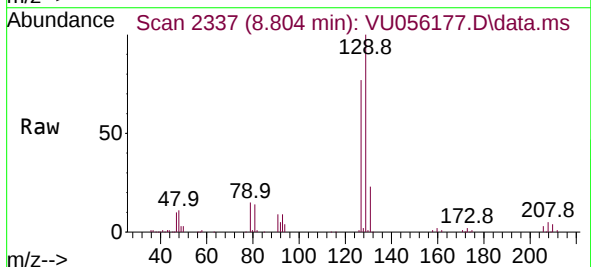


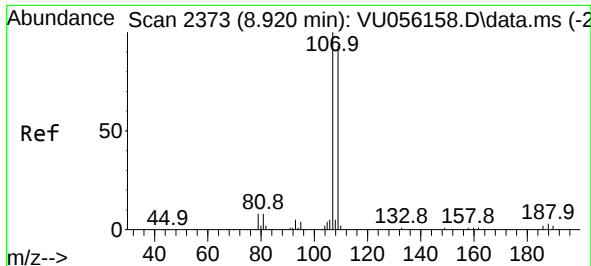
Tgt Ion: 43 Resp: 478214
Ion Ratio Lower Upper
43 100
58 61.9 52.0 78.0
57 22.3 17.4 26.2
100 13.9 11.0 16.6



#49
Dibromochloromethane
Concen: 5.237 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion: 129 Resp: 111776
Ion Ratio Lower Upper
129 100
127 77.3 55.4 102.8





#50

1,2-Dibromoethane

Concen: 5.316 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056177.D

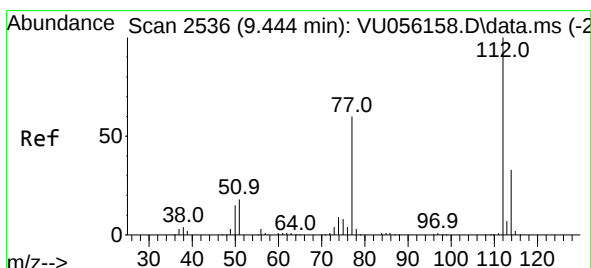
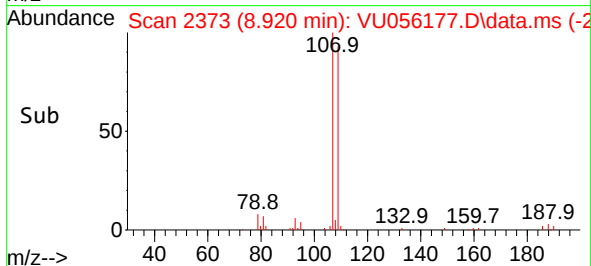
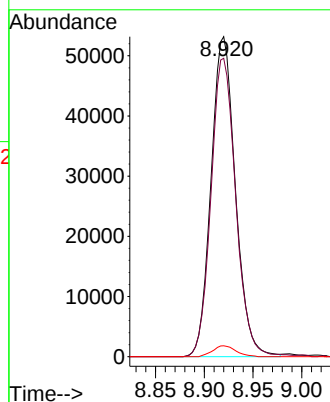
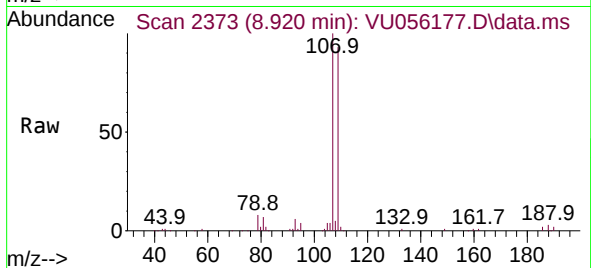
Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	92392
Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.9	124.3
188	3.4	2.5	3.7



#51

Chlorobenzene

Concen: 5.196 ug/L

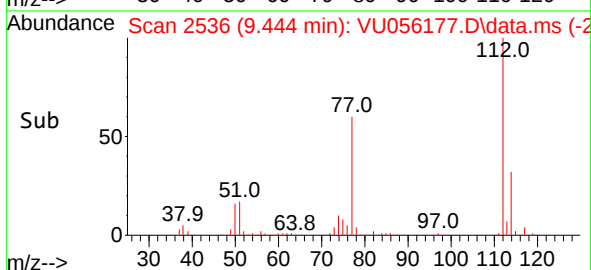
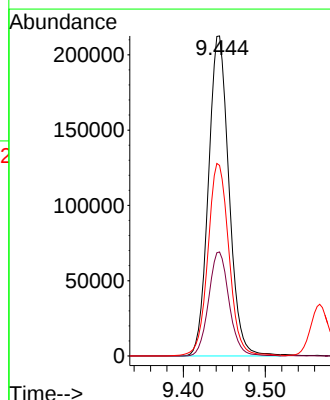
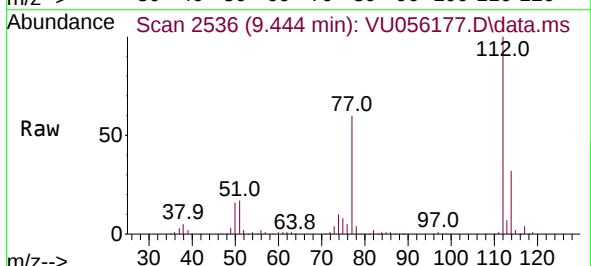
RT: 9.444 min Scan# 2536

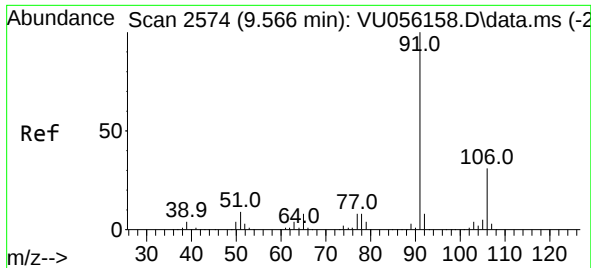
Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Tgt Ion:	112	Resp:	369763
Ion	Ratio	Lower	Upper
112	100		
114	32.5	21.8	40.4
77	59.6	48.2	72.4

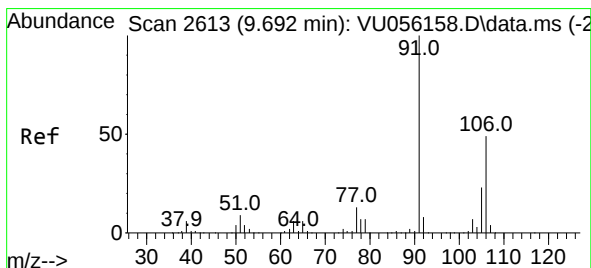
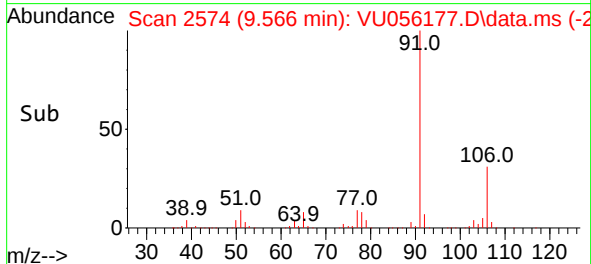
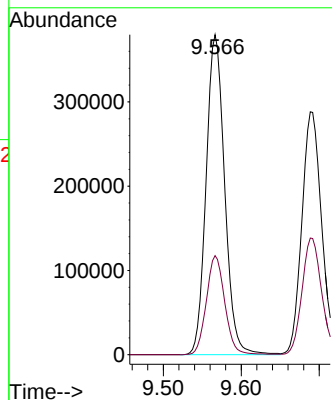
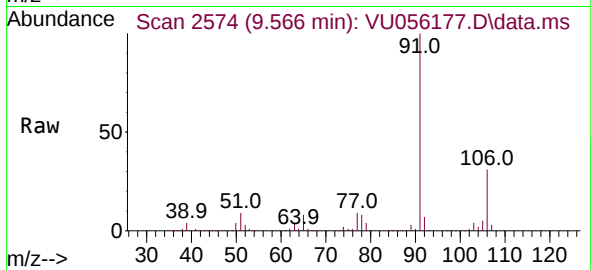




#52
Ethylbenzene
Concen: 5.220 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

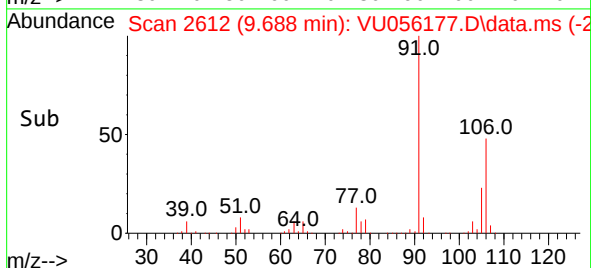
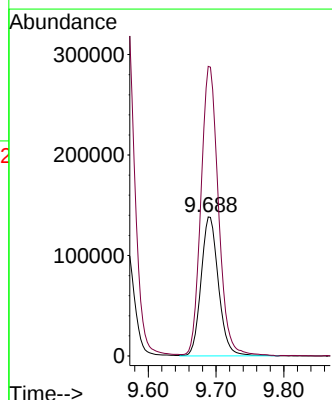
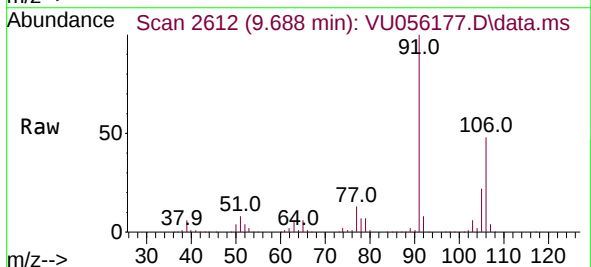
Instrument :
MSVOA_U
ClientSampleId :

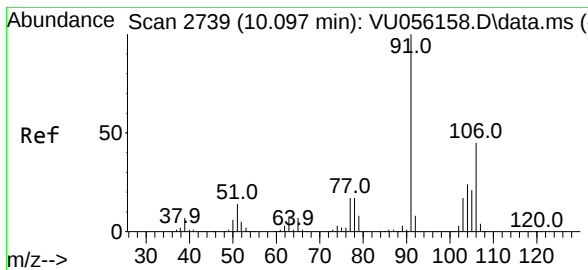
Tgt Ion: 91 Resp: 627437
Ion Ratio Lower Upper
91 100
106 31.0 21.2 39.4



#53
m,p-Xylene
Concen: 5.373 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion: 106 Resp: 245629
Ion Ratio Lower Upper
106 100
91 208.3 144.9 269.1

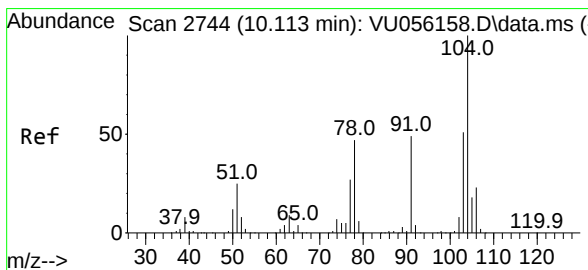
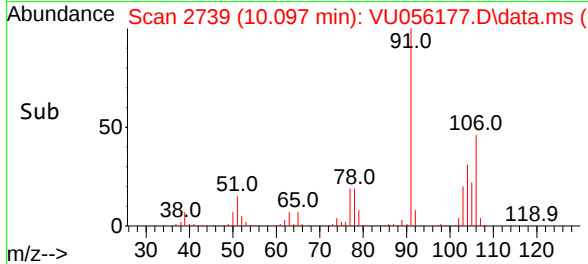
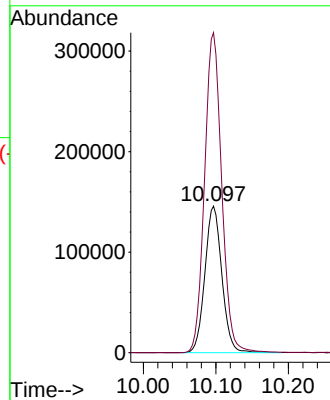
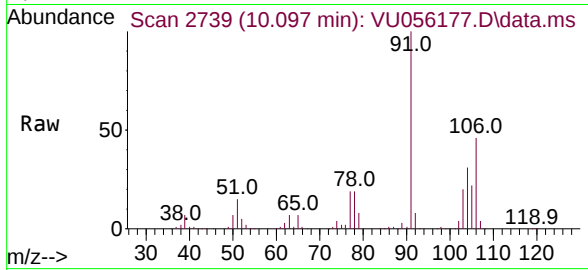




#54
o-Xylene
Concen: 5.421 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

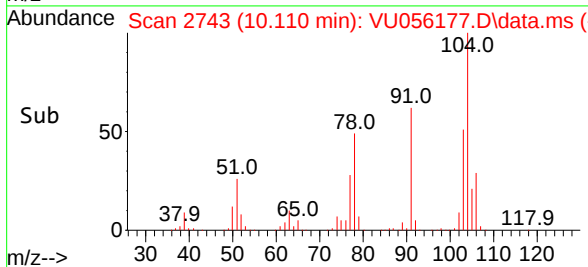
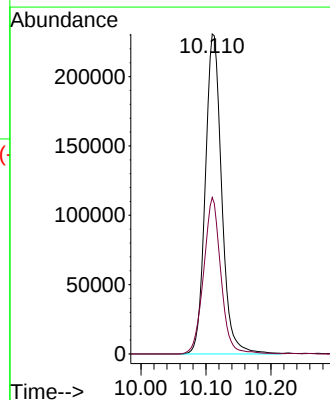
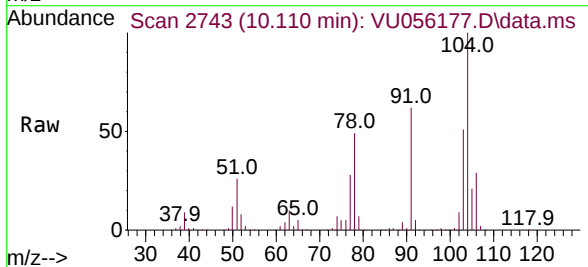
Instrument :
MSVOA_U
ClientSampleId :

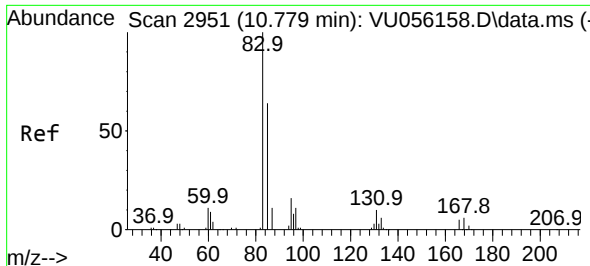
Tgt Ion:106 Resp: 237576
Ion Ratio Lower Upper
106 100
91 218.3 158.2 293.8



#55
Styrene
Concen: 5.658 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion:104 Resp: 405654
Ion Ratio Lower Upper
104 100
78 48.9 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.244 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

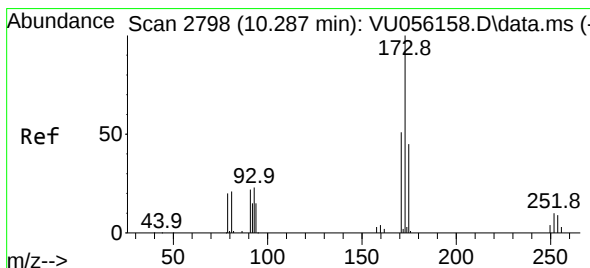
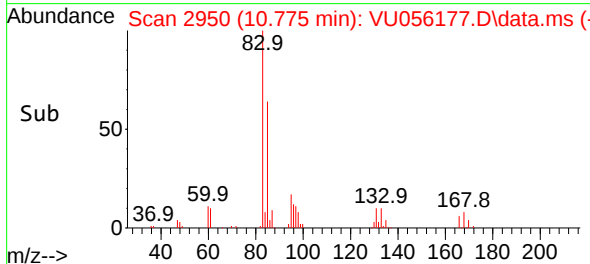
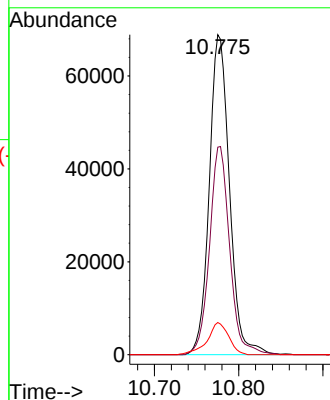
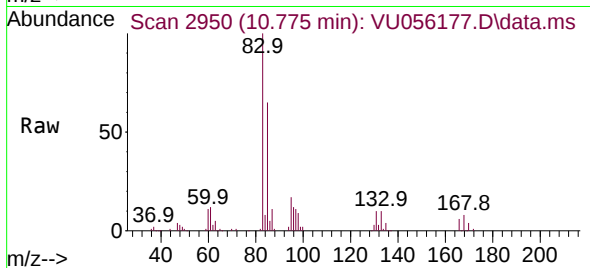
Tgt Ion: 83 Resp: 114635

Ion Ratio Lower Upper

83 100

85 64.8 44.0 81.8

131 10.0 7.4 11.2



#59

Bromoform

Concen: 5.171 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

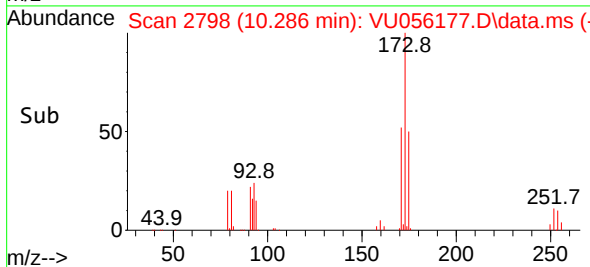
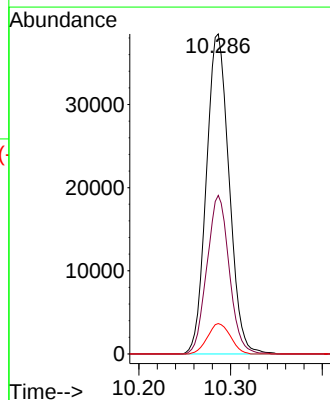
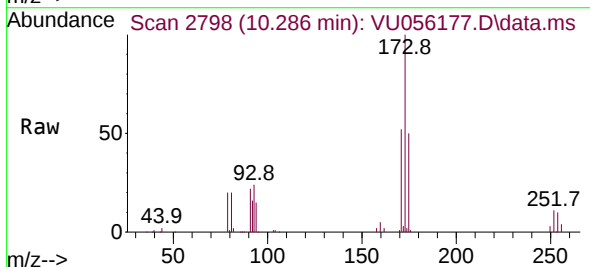
Tgt Ion:173 Resp: 66198

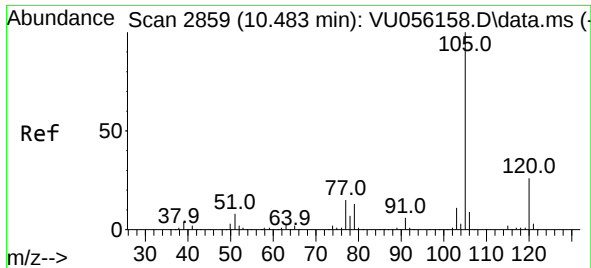
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.4

254 9.6 8.2 12.2

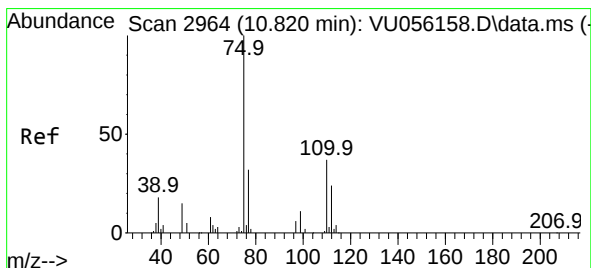
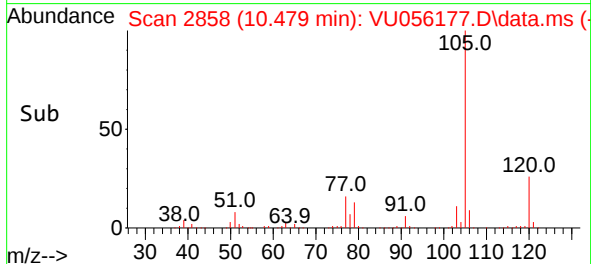
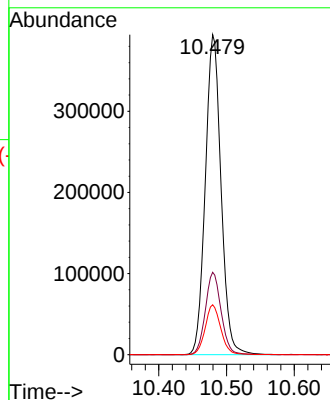
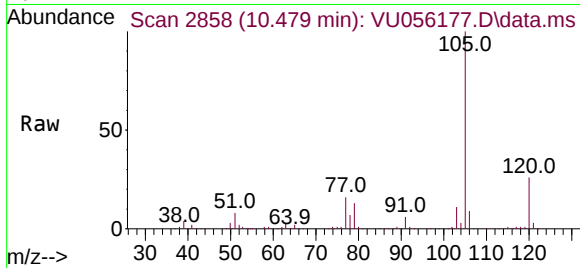




#60
Isopropylbenzene
Concen: 5.315 ug/L
RT: 10.479 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

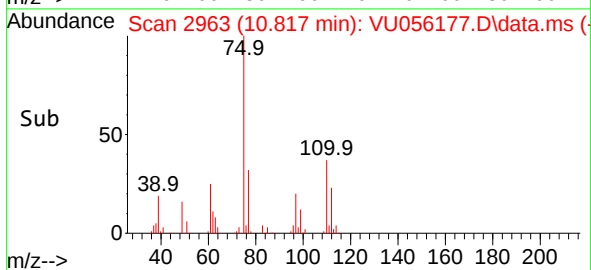
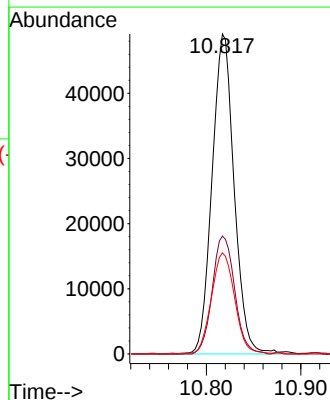
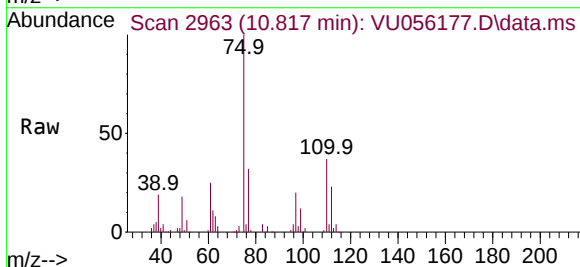
Instrument :
MSVOA_U
ClientSampleId :

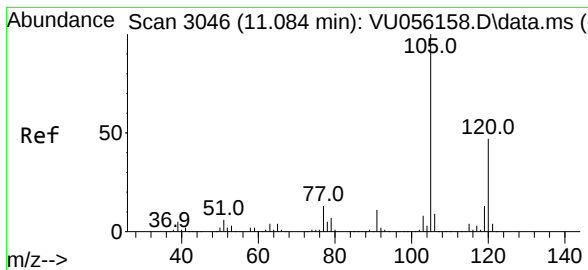
Tgt Ion:105 Resp: 635244
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.999 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion: 75 Resp: 79543
Ion Ratio Lower Upper
75 100
110 37.3 29.7 44.5
77 33.4 25.5 38.3

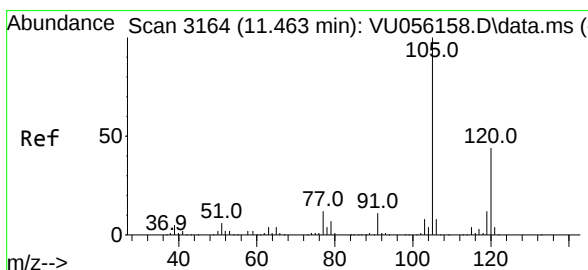
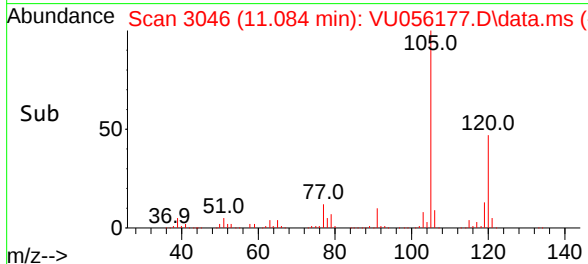
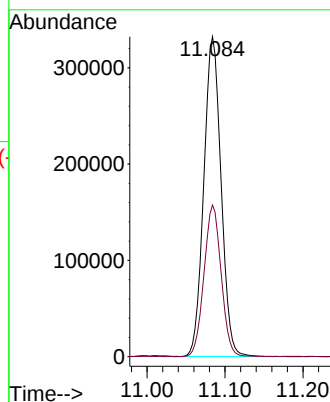
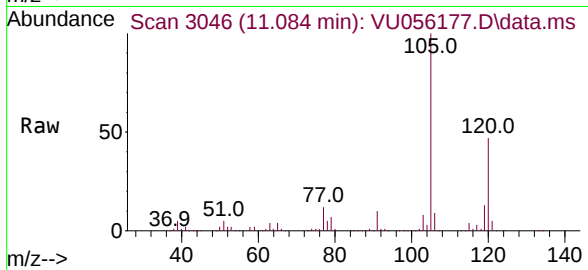




#62
 1,3,5-Trimethylbenzene
 Concen: 5.270 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

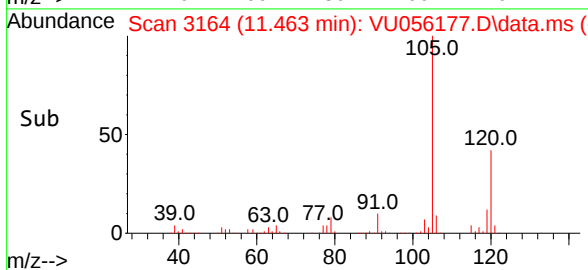
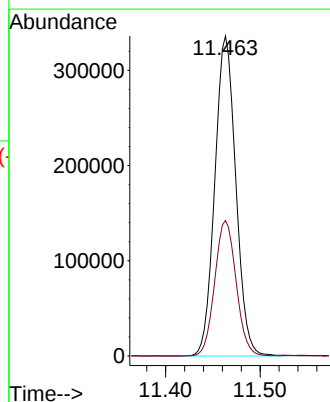
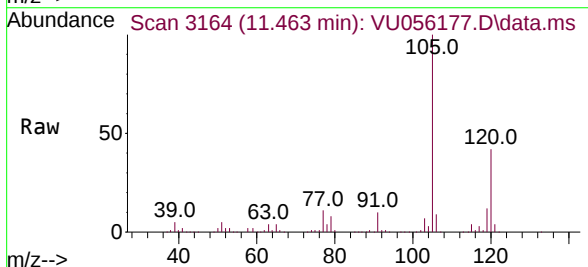
Instrument :
 MSVOA_U
 ClientSampleId :

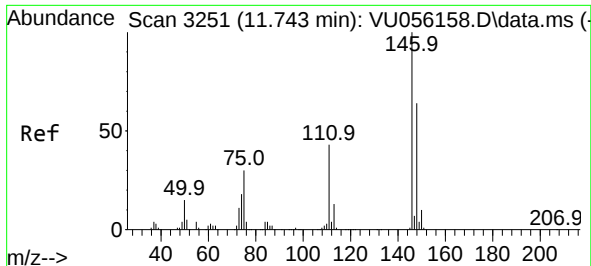
Tgt Ion:105 Resp: 510792
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 5.449 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU056177.D
 Acq: 10 Nov 2023 17:44

Tgt Ion:105 Resp: 518066
 Ion Ratio Lower Upper
 105 100
 120 43.2 35.4 53.0

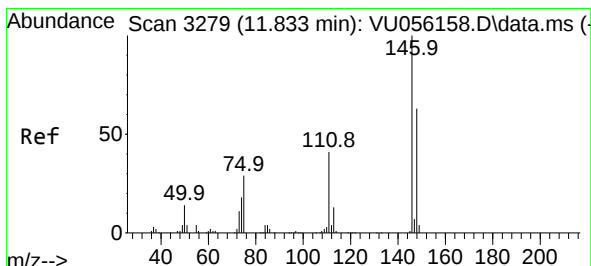
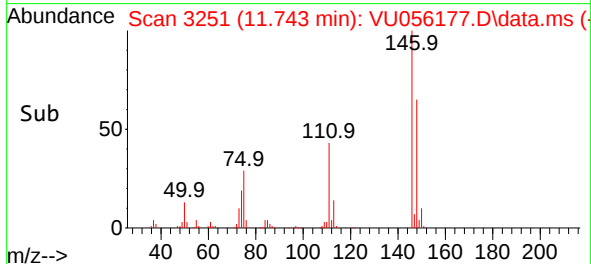
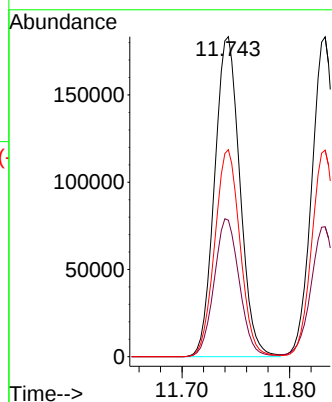
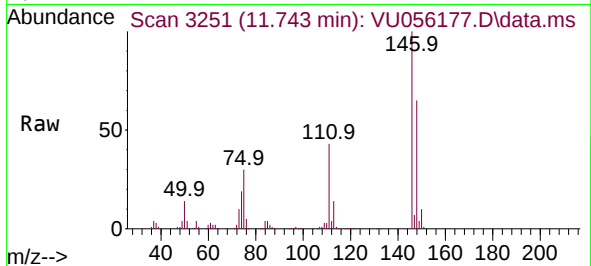




#64
1,3-Dichlorobenzene
Concen: 5.301 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

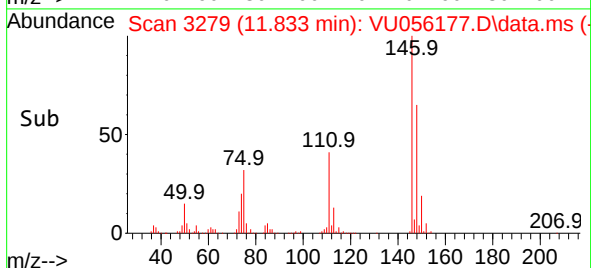
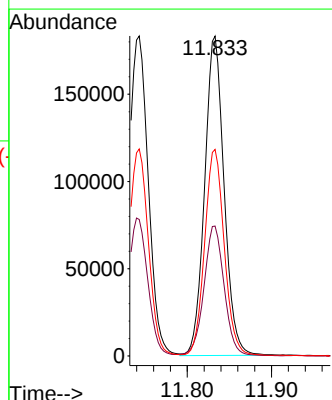
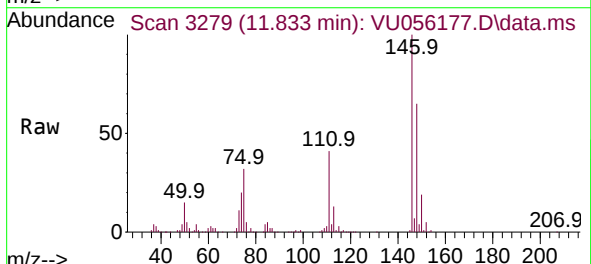
Instrument :
MSVOA_U
ClientSampleId :

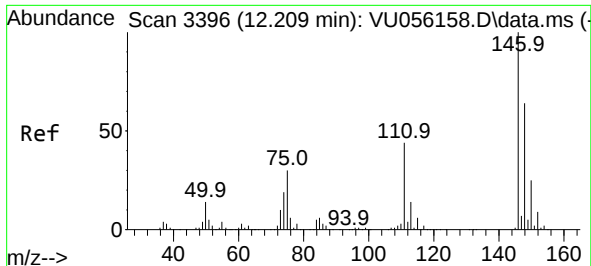
Tgt Ion:146 Resp: 300081
Ion Ratio Lower Upper
146 100
111 42.6 29.7 55.1
148 64.7 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 5.262 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion:146 Resp: 294536
Ion Ratio Lower Upper
146 100
111 40.6 29.0 53.8
148 64.6 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 5.354 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

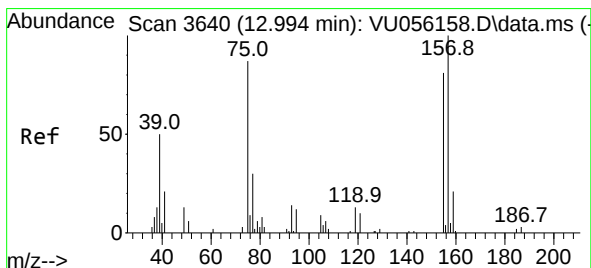
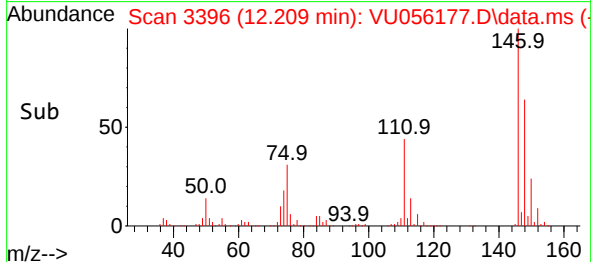
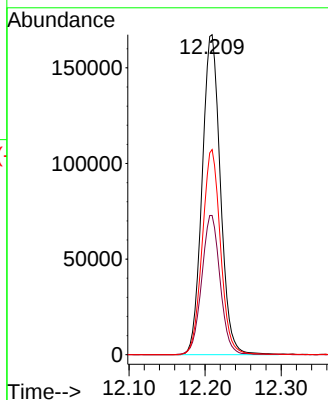
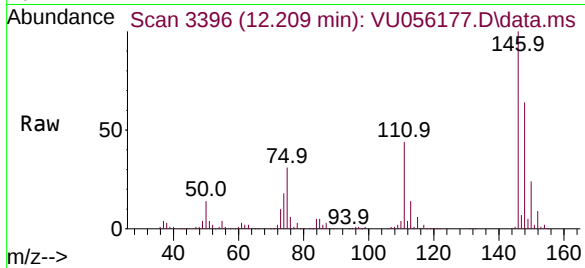
Tgt Ion:146 Resp: 279276

Ion Ratio Lower Upper

146 100

111 43.5 35.2 52.8

148 64.1 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.012 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

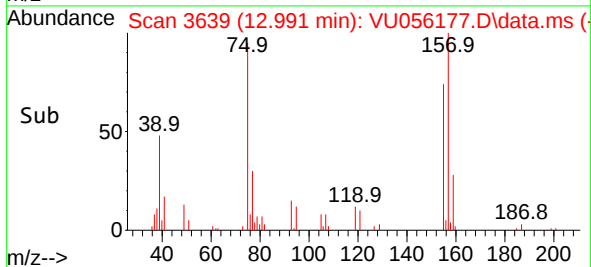
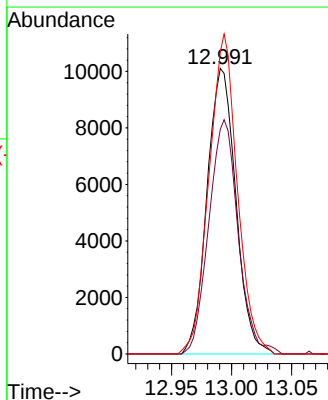
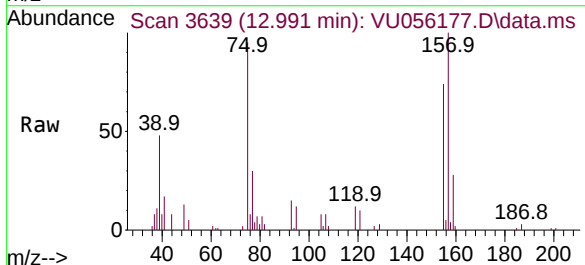
Tgt Ion: 75 Resp: 16822

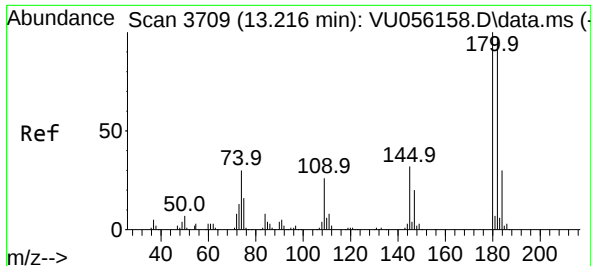
Ion Ratio Lower Upper

75 100

155 78.7 63.3 94.9

157 105.8 79.1 118.7





#69

1,3,5-Trichlorobenzene

Concen: 5.363 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 227382

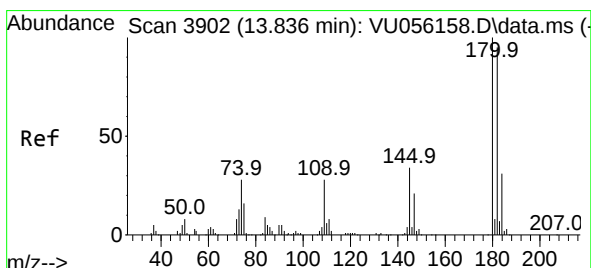
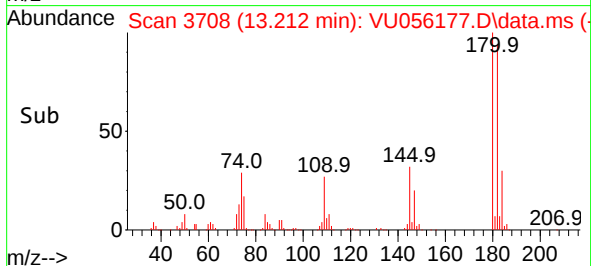
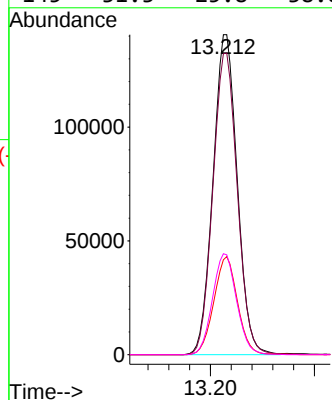
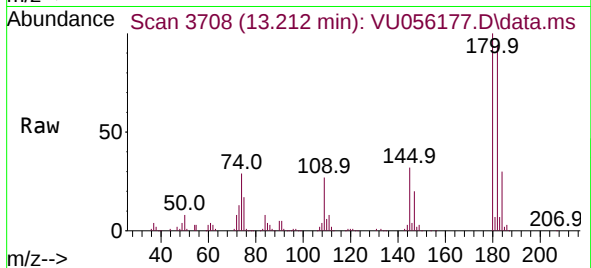
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

184 30.0 24.0 36.0

145 31.3 25.8 38.8



#70

1,2,4-trichlorobenzene

Concen: 5.597 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056177.D

Acq: 10 Nov 2023 17:44

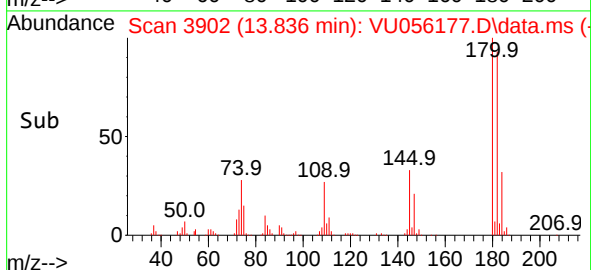
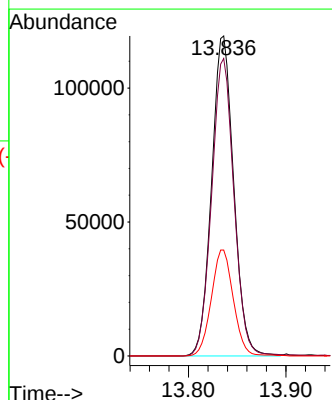
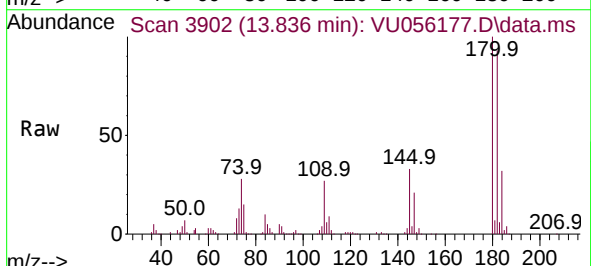
Tgt Ion:180 Resp: 188269

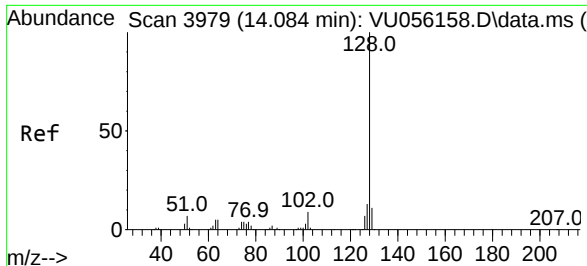
Ion Ratio Lower Upper

180 100

182 93.7 77.4 116.2

145 33.0 25.9 38.9

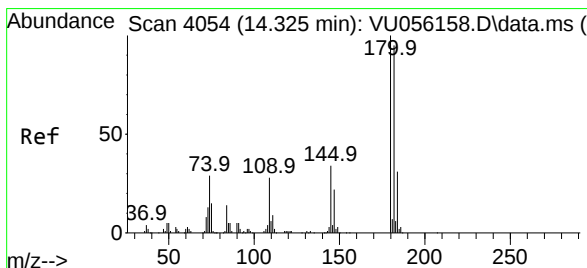
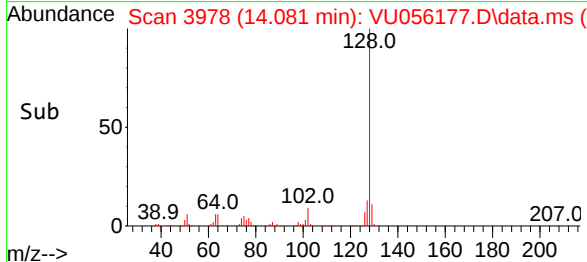
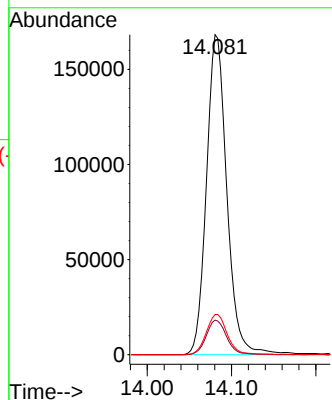
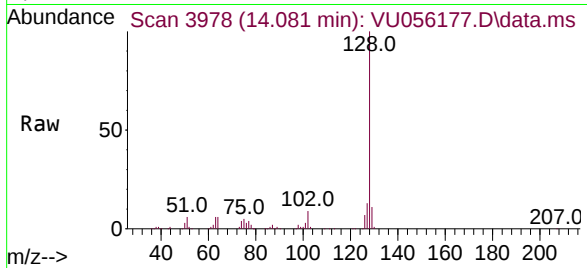




#71
Naphthalene
Concen: 5.666 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 282683
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 13.0 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 5.606 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056177.D
Acq: 10 Nov 2023 17:44

Tgt Ion:180 Resp: 165328
Ion Ratio Lower Upper
180 100
182 93.8 76.6 115.0
145 33.6 28.0 42.0

