

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056798.D
 Acq On : 12 Dec 2023 20:10
 Operator : MD/SY
 Sample : 05664-06MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 13 00:36:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 00:30:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	253908	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	249321	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	124756	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	87432	4.017	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	80.400%	
7) Chloroethane-d5	1.907	69	66571	4.087	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	81.800%	
11) 1,1-Dichloroethene-d2	2.563	65	40301	4.328	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	86.600%	
20) 2-Butanone-d5	4.618	46	215930	50.238	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	100.480%	
24) Chloroform-d	5.055	84	197768	4.799	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.000%	
26) 1,2-Dichloroethane-d4	5.695	65	94150	4.828	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.600%	
32) Benzene-d6	5.721	84	369152	4.774	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.400%	
36) 1,2-Dichloropropane-d6	6.682	67	116039	4.794	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	95.800%	
41) Toluene-d8	7.891	98	331672	4.799	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.000%	
43) trans-1,3-Dichloroprop...	8.174	79	43677	4.653	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	93.000%	
46) 2-Hexanone-d5	8.627	63	184068	51.993	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	103.980%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	88591	5.059	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.200%	
66) 1,2-Dichlorobenzene-d4	12.187	152	113213	4.616	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	92.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	124681	4.686	ug/L	99
3) Chloromethane	1.515	50	136398	5.214	ug/L	97
5) Vinyl chloride	1.602	62	125767	4.841	ug/L	97
6) Bromomethane	1.853	94	68212	4.453	ug/L	95
8) Chloroethane	1.930	64	70574	4.637	ug/L	97
9) Trichlorofluoromethane	2.136	101	179530	4.903	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	106346	4.736	ug/L	97
12) 1,1-Dichloroethene	2.576	96	100384	4.870	ug/L	91
13) Acetone	2.628	43	120760	46.103	ug/L	99
14) Carbon disulfide	2.788	76	334135	4.672	ug/L	100
15) Methyl Acetate	2.949	43	35513	4.981	ug/L	93
16) Methylene chloride	3.039	84	108402	4.827	ug/L	99
17) Methyl tert-butyl Ether	3.354	73	224857	4.919	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	102492	4.904	ug/L	98
19) 1,1-Dichloroethane	3.862	63	196958	4.899	ug/L	98
21) 2-Butanone	4.698	43	204547	46.307	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	111286	4.894	ug/L	98
23) Bromochloromethane	4.968	128	47173	4.956	ug/L	98
25) Chloroform	5.081	83	203948	4.842	ug/L	100

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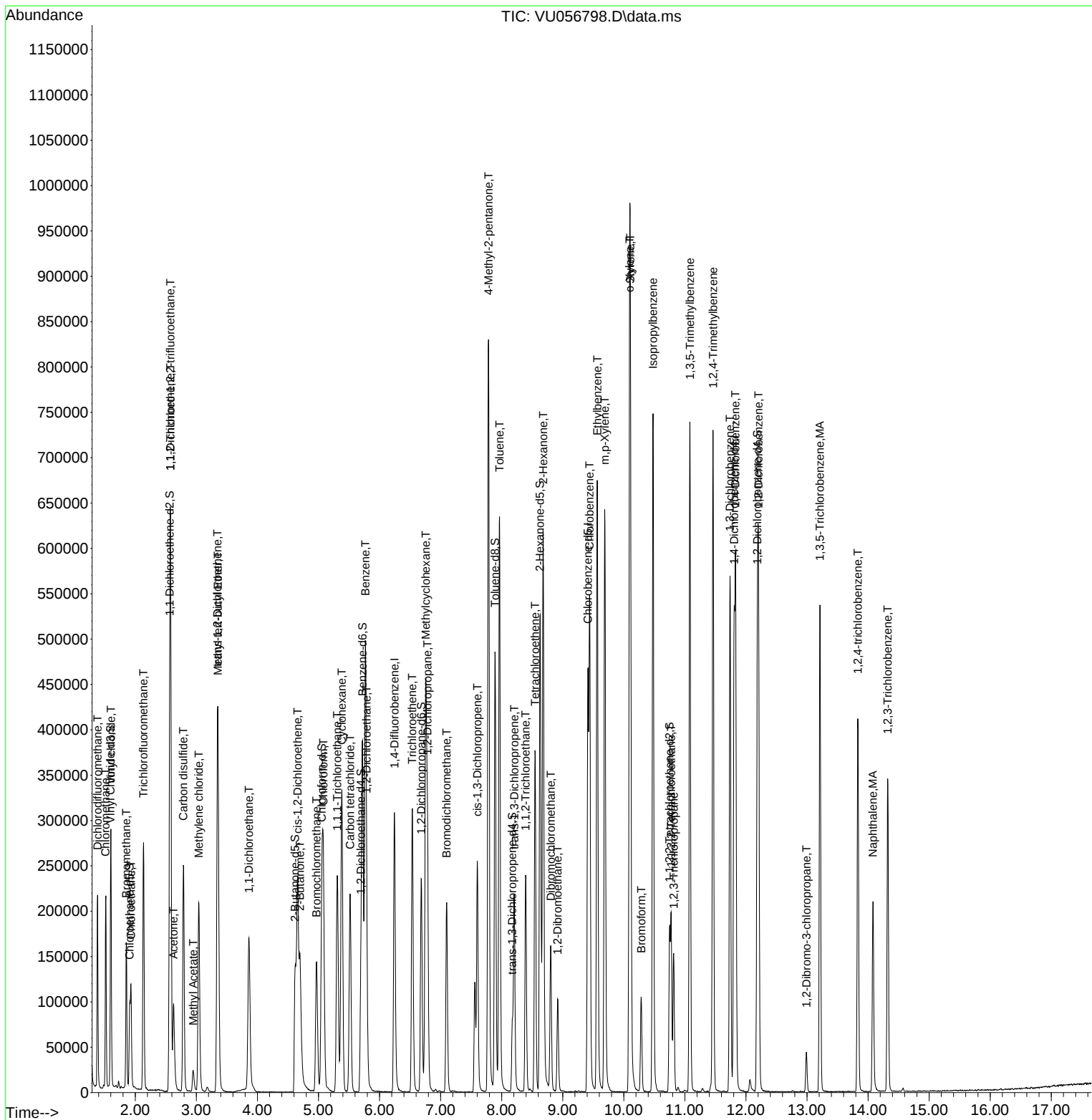
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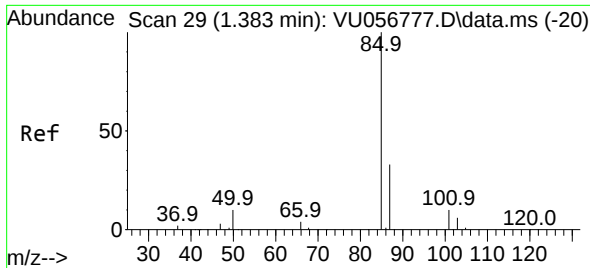
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	122097	4.902	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	181705	5.042	ug/L	98
30) Cyclohexane	5.383	56	166857	4.933	ug/L	99
31) Carbon tetrachloride	5.518	117	153145	4.889	ug/L	100
33) Benzene	5.769	78	437102	4.988	ug/L	100
34) Trichloroethene	6.537	95	115521	4.806	ug/L	99
35) Methylcyclohexane	6.756	83	169360	4.775	ug/L	100
37) 1,2-Dichloropropane	6.785	63	114418	5.105	ug/L	99
38) Bromodichloromethane	7.100	83	140048	4.900	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	158483	4.851	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	540990	50.830	ug/L	99
42) Toluene	7.965	91	480189	5.296	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	132797	4.960	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	74652	4.926	ug/L	96
47) Tetrachloroethene	8.547	164	81695	4.857	ug/L	97
48) 2-Hexanone	8.679	43	384466	50.719	ug/L	99
49) Dibromochloromethane	8.804	129	84163	4.832	ug/L	97
50) 1,2-Dibromoethane	8.917	107	70382	5.005	ug/L	97
51) Chlorobenzene	9.441	112	284313	4.920	ug/L	98
52) Ethylbenzene	9.566	91	497190	4.971	ug/L	98
53) m,p-Xylene	9.688	106	192571	5.168	ug/L	93
54) o-Xylene	10.097	106	176535	4.973	ug/L	100
55) Styrene	10.110	104	305789	5.246	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	92447	5.050	ug/L #	99
59) Bromoform	10.286	173	47314	4.645	ug/L	99
60) Isopropylbenzene	10.479	105	488473	4.956	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	65435	4.885	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	405385	5.032	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	414685	5.183	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	226870	4.866	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	218354	4.756	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	199591	4.699	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	11705	4.377	ug/L	89
69) 1,3,5-Trichlorobenzene	13.212	180	155152	4.404	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	122581	4.394	ug/L	99
71) Naphthalene	14.081	128	171994	4.213	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	100161	4.229	ug/L	97

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

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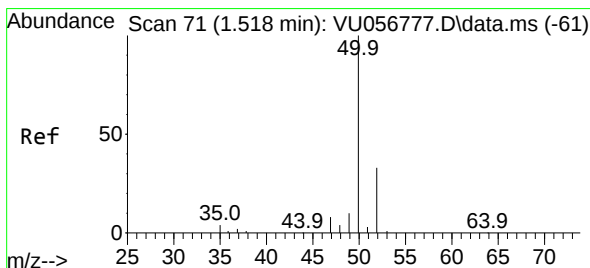
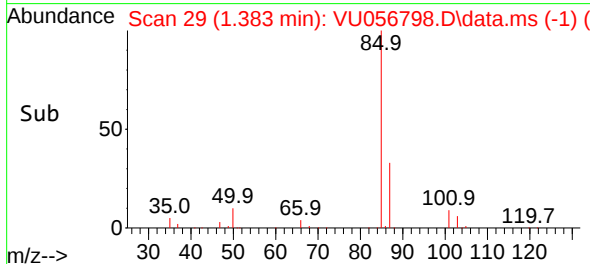
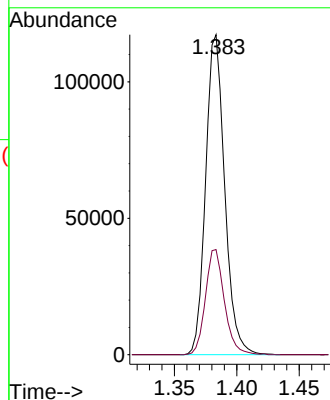
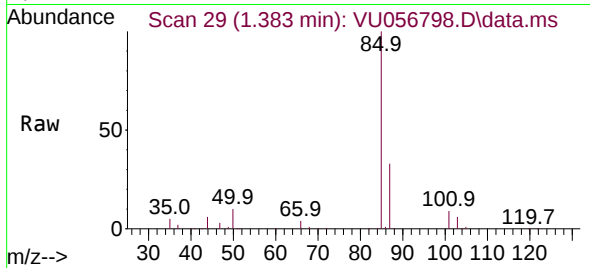




#2
 Dichlorodifluoromethane
 Concen: 4.686 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10

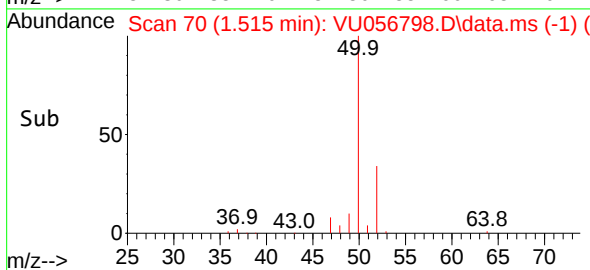
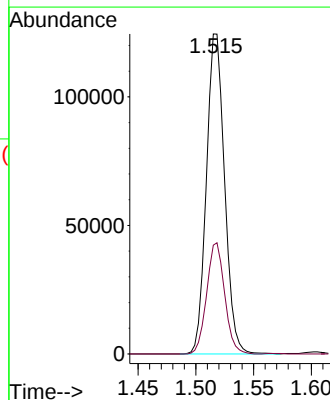
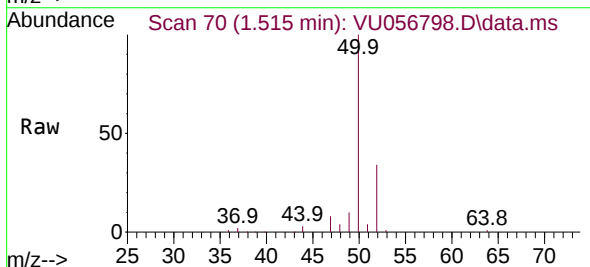
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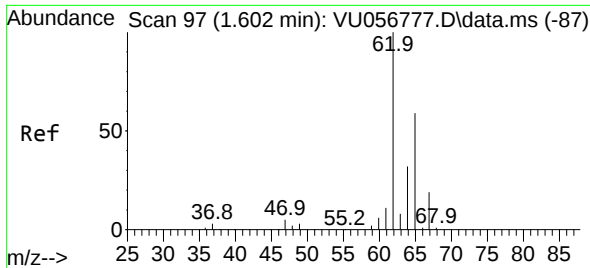
Tgt Ion: 85 Resp: 124681
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.8 40.2



#3
 Chloromethane
 Concen: 5.214 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10

Tgt Ion: 50 Resp: 136398
 Ion Ratio Lower Upper
 50 100
 52 34.0 22.5 41.7

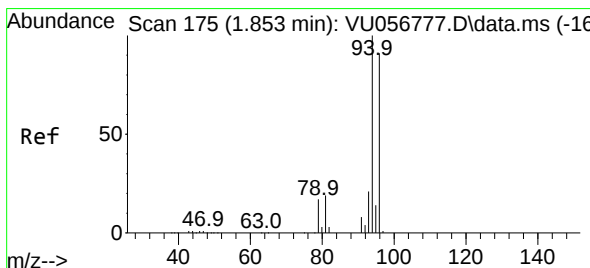
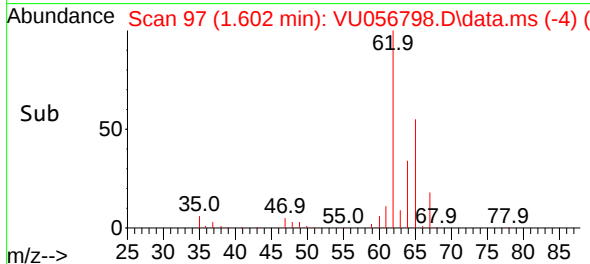
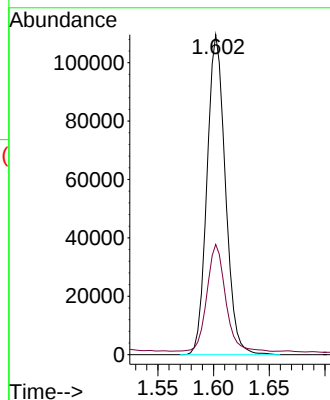
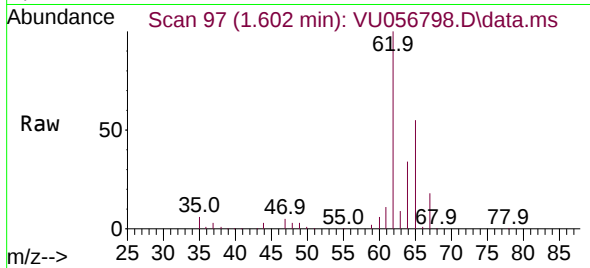




#5
 Vinyl chloride
 Concen: 4.841 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10

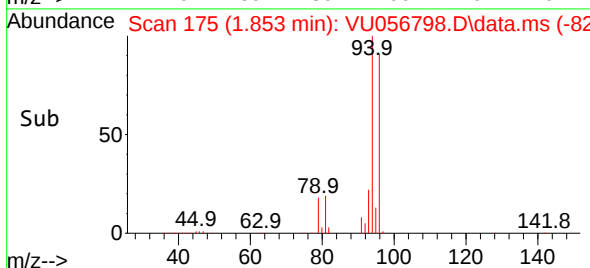
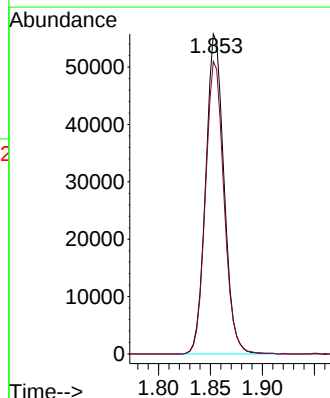
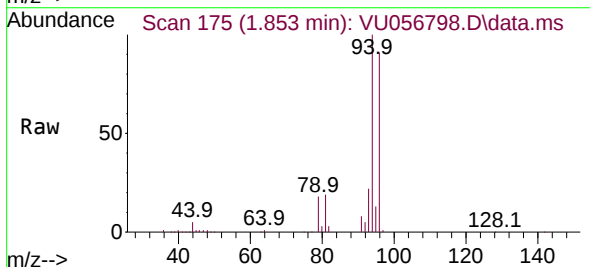
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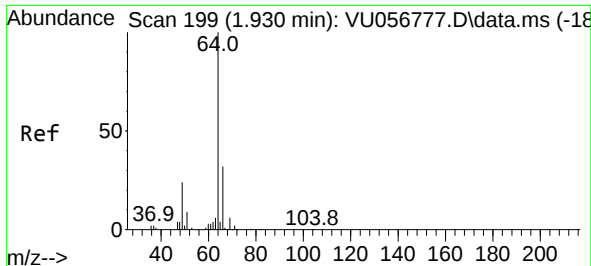
Tgt Ion: 62 Resp: 125767
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.8 42.4



#6
 Bromomethane
 Concen: 4.453 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10

Tgt Ion: 94 Resp: 68212
 Ion Ratio Lower Upper
 94 100
 96 91.4 67.8 125.8

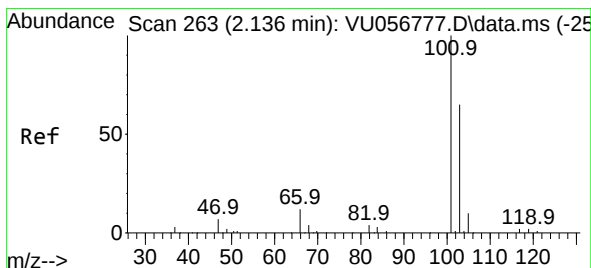
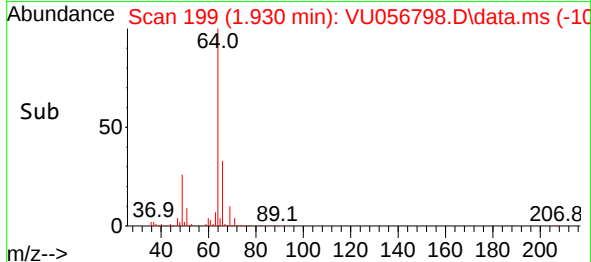
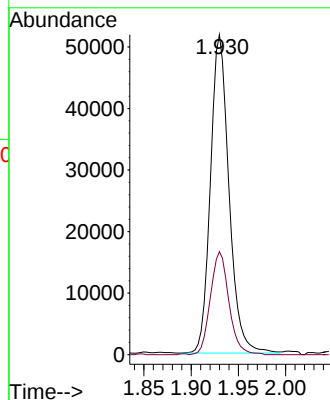
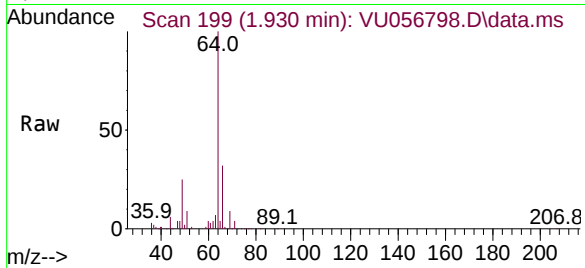




#8
Chloroethane
Concen: 4.637 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

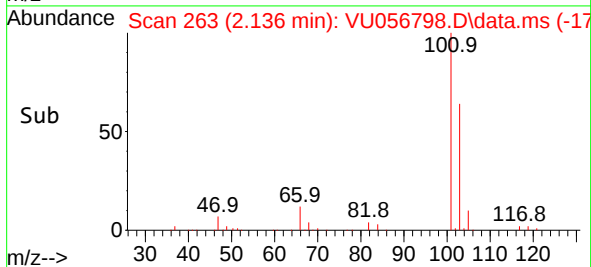
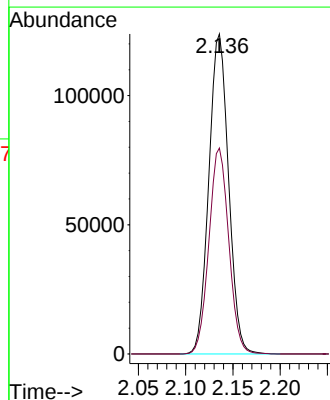
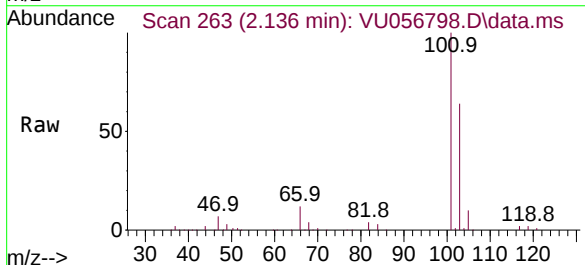
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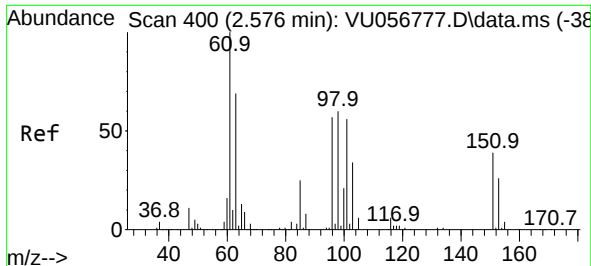
Tgt Ion: 64 Resp: 70574
Ion Ratio Lower Upper
64 100
66 32.2 21.4 39.8



#9
Trichlorofluoromethane
Concen: 4.903 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion: 101 Resp: 179530
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2

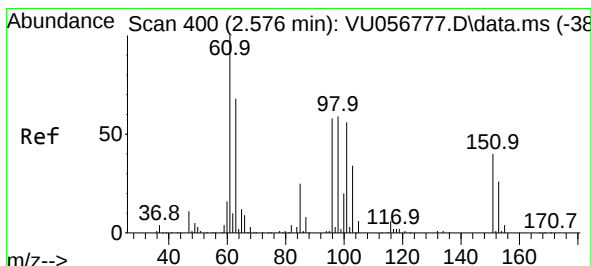
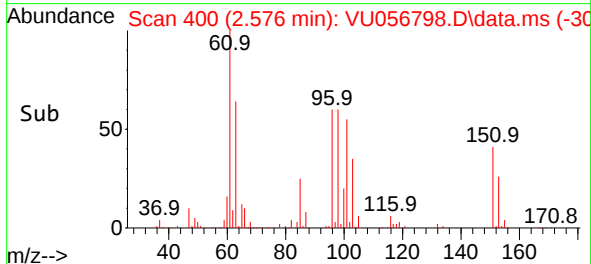
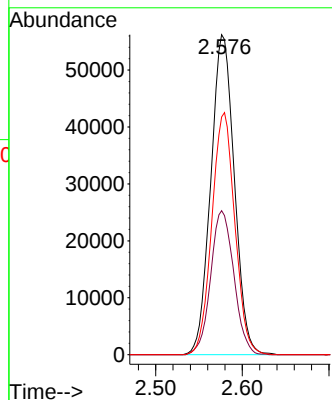
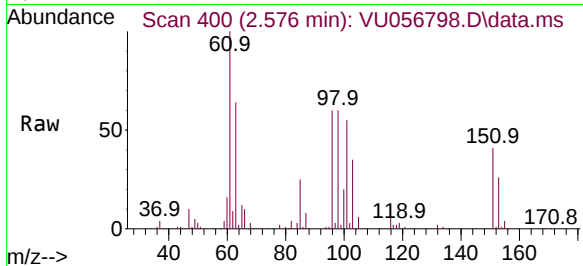




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.736 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10

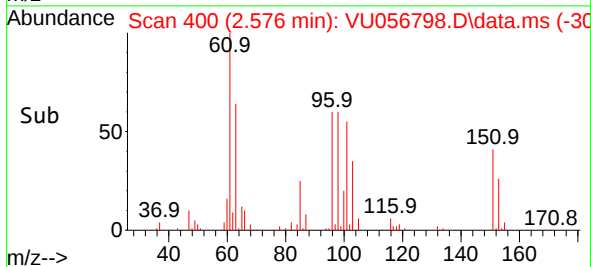
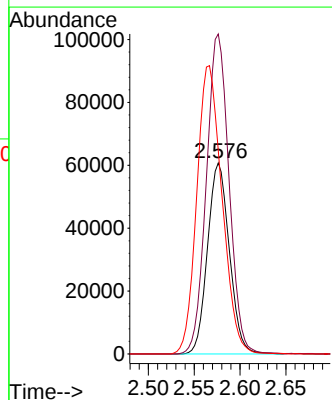
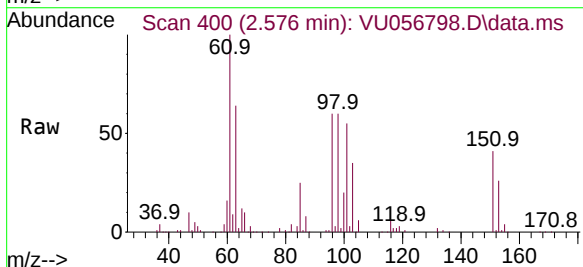
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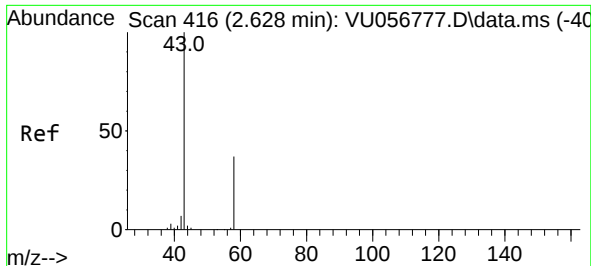
Tgt Ion:101 Resp: 106346
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.2 52.8
 151 74.0 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 4.870 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10

Tgt Ion: 96 Resp: 100384
 Ion Ratio Lower Upper
 96 100
 61 167.5 119.0 221.0
 63 106.6 88.7 164.7





#13

Acetone

Concen: 46.103 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

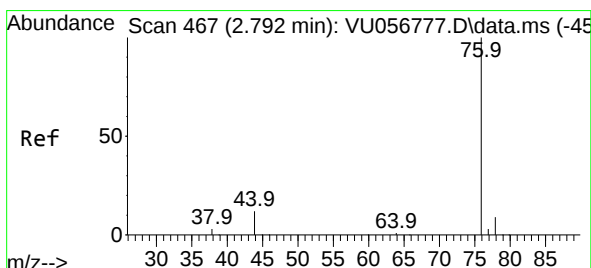
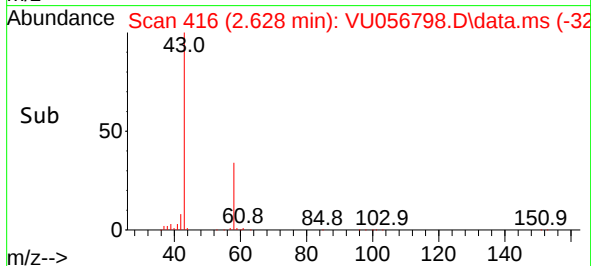
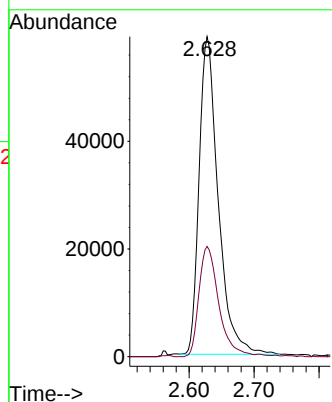
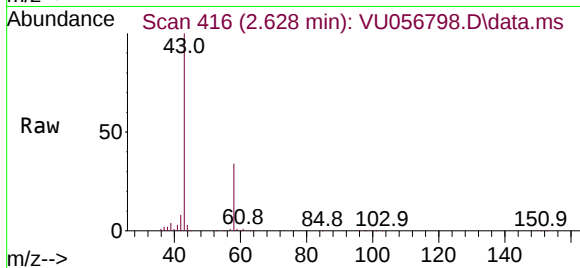
ClientSampleId :

Tgt Ion: 43 Resp: 120760

Ion Ratio Lower Upper

43 100

58 36.0 0.0 72.6



#14

Carbon disulfide

Concen: 4.672 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU056798.D

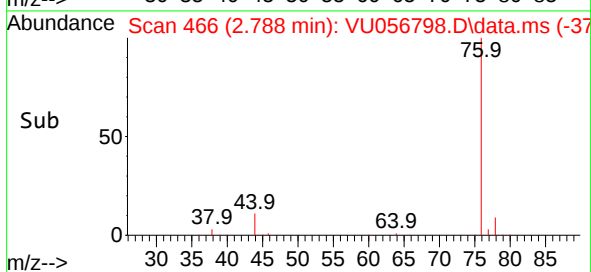
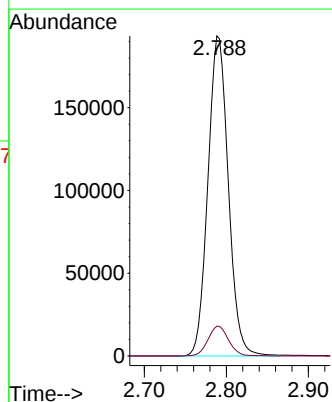
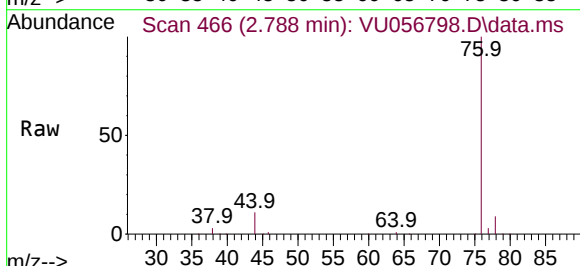
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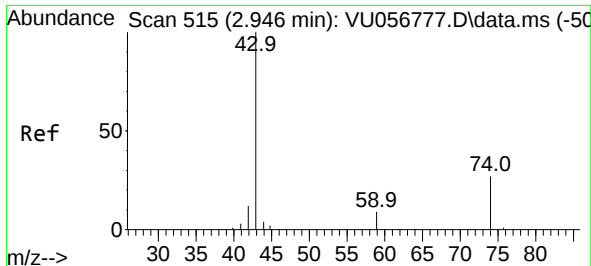
Tgt Ion: 76 Resp: 334135

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

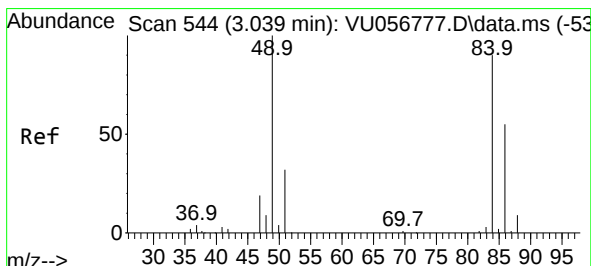
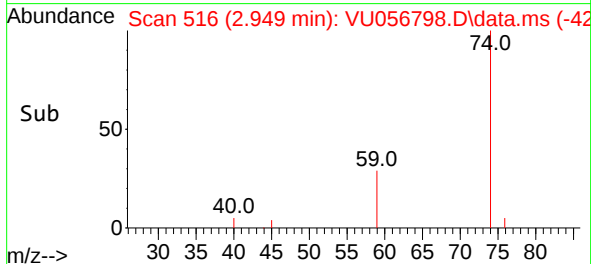
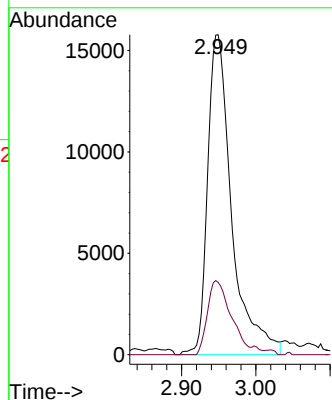
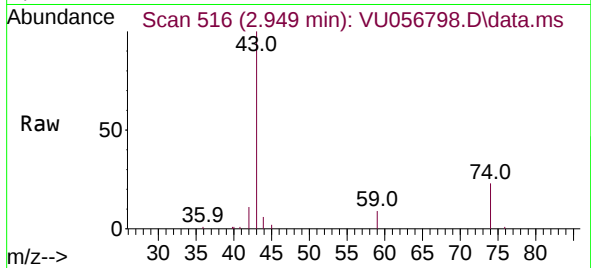




#15
Methyl Acetate
Concen: 4.981 ug/L
RT: 2.949 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

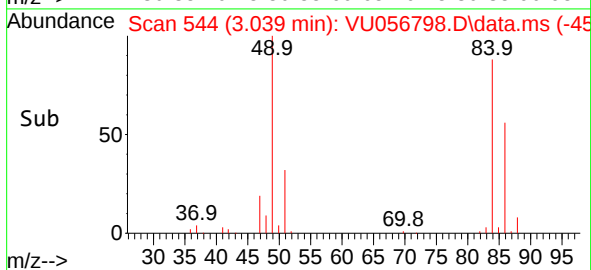
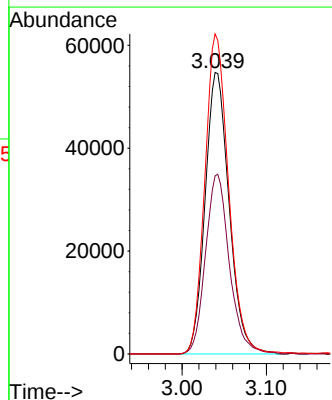
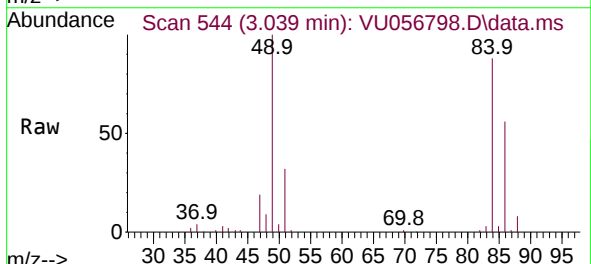
Instrument :
MSVOA_U
ClientSampleId :

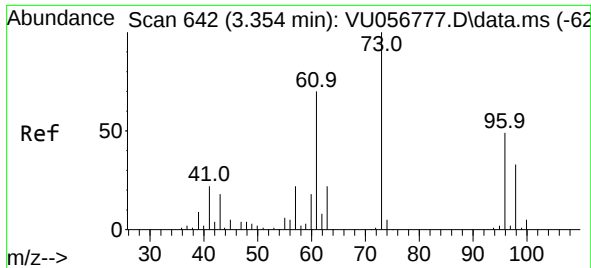
Tgt Ion: 43 Resp: 35513
Ion Ratio Lower Upper
43 100
74 22.7 21.0 31.6



#16
Methylene chloride
Concen: 4.827 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion: 84 Resp: 108402
Ion Ratio Lower Upper
84 100
86 63.3 43.6 81.0
49 113.7 80.6 149.6

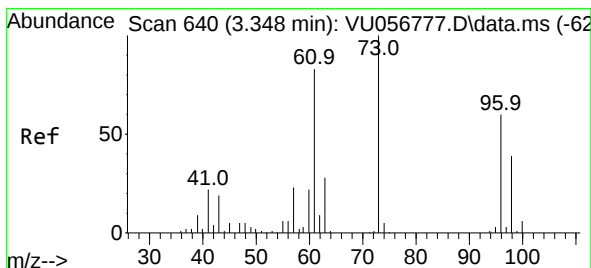
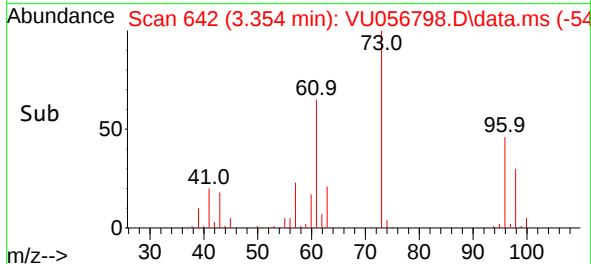
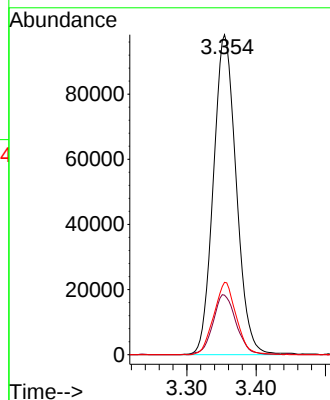
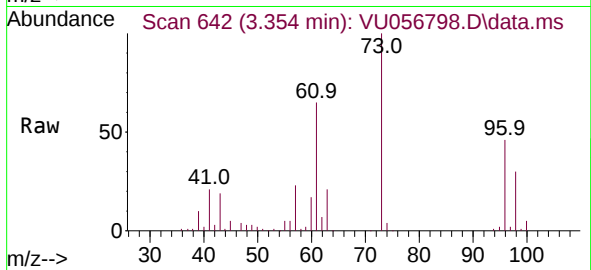




#17
Methyl tert-butyl Ether
Concen: 4.919 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

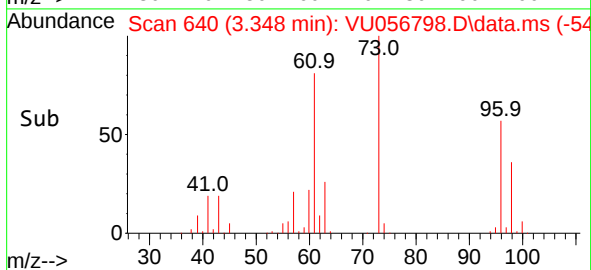
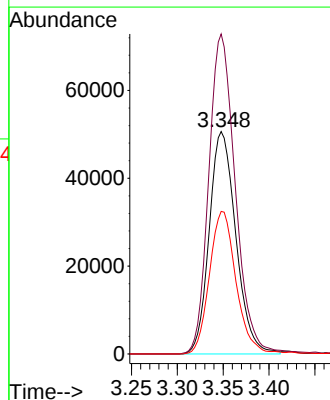
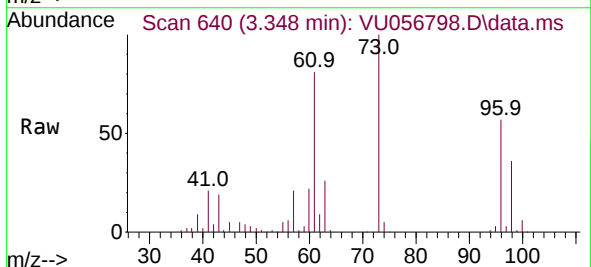
Instrument :
MSVOA_U
ClientSampleId :

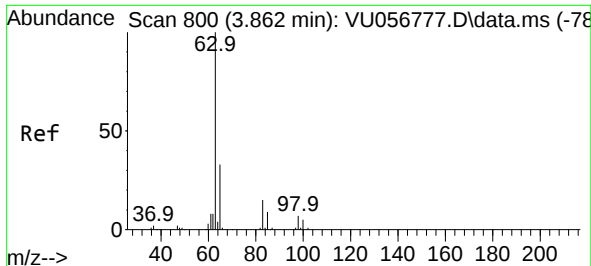
Tgt Ion: 73 Resp: 224857
Ion Ratio Lower Upper
73 100
43 18.9 14.4 21.6
57 22.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.904 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion: 96 Resp: 102492
Ion Ratio Lower Upper
96 100
61 143.9 101.8 189.0
98 64.1 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.899 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

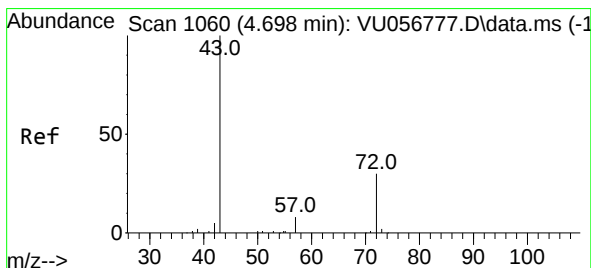
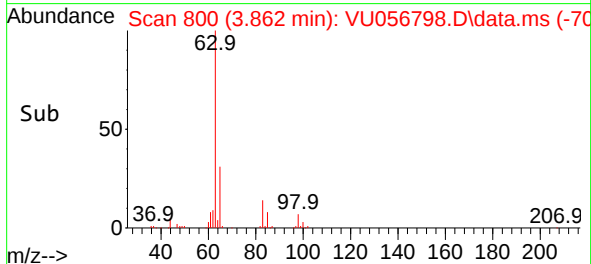
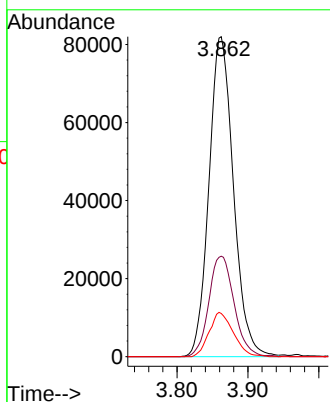
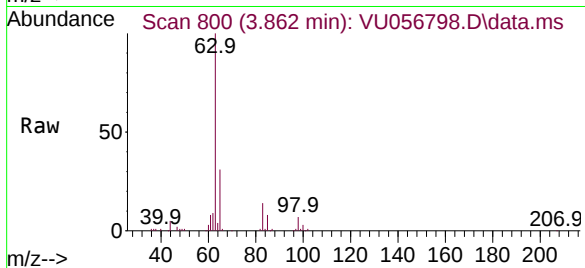
Tgt Ion: 63 Resp: 196958

Ion Ratio Lower Upper

63 100

65 31.4 22.9 42.5

83 13.5 10.1 18.9



#21

2-Butanone

Concen: 46.307 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VU056798.D

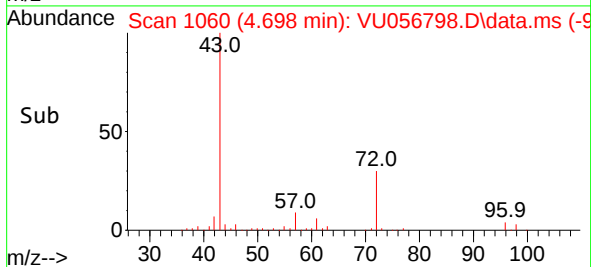
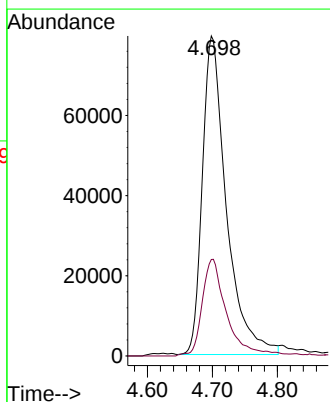
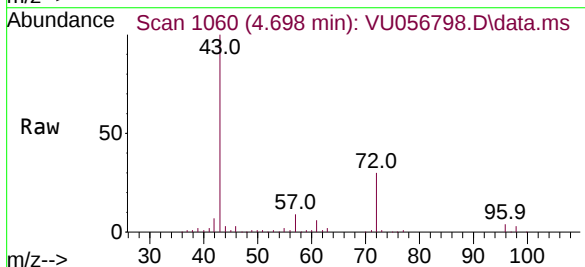
Acq: 12 Dec 2023 20:10

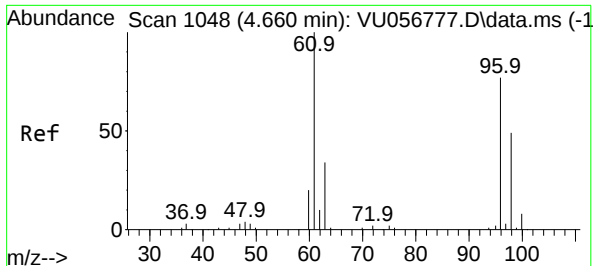
Tgt Ion: 43 Resp: 204547

Ion Ratio Lower Upper

43 100

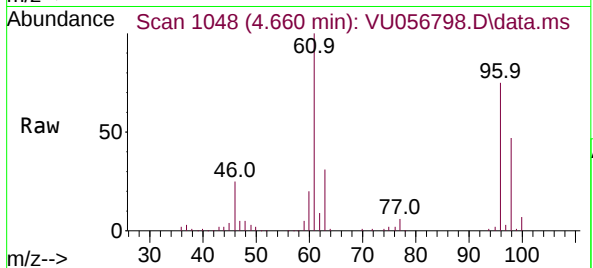
72 30.9 14.6 43.8



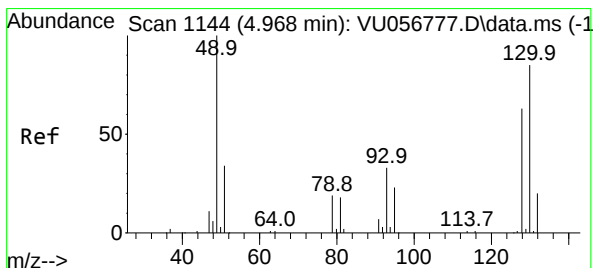
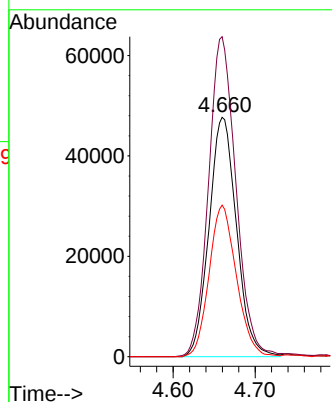
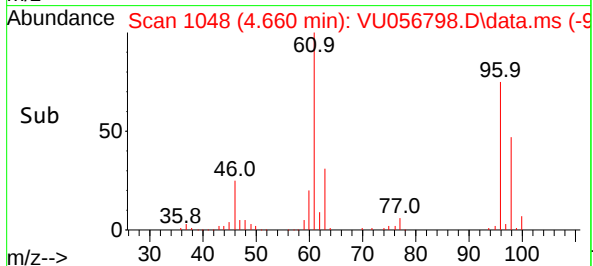


#22
 cis-1,2-Dichloroethene
 Concen: 4.894 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10

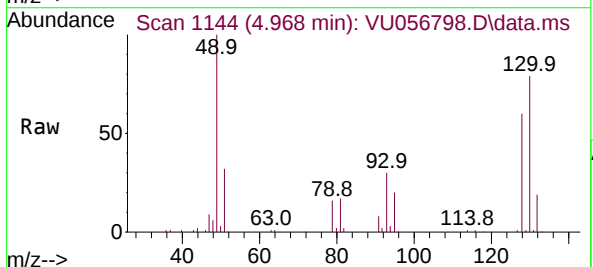
Instrument :
 MSVOA_U
 ClientSampleId :



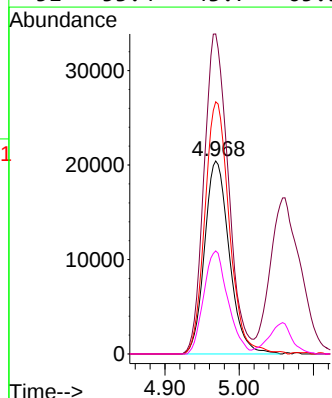
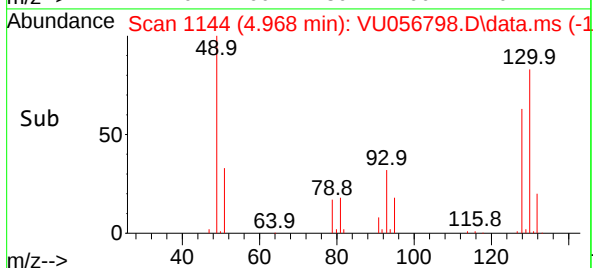
Tgt Ion: 96 Resp: 111286
 Ion Ratio Lower Upper
 96 100
 61 133.7 91.3 169.6
 98 63.3 44.2 82.0

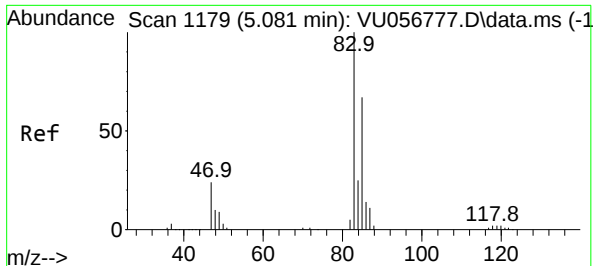


#23
 Bromochloromethane
 Concen: 4.956 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056798.D
 Acq: 12 Dec 2023 20:10



Tgt Ion: 128 Resp: 47173
 Ion Ratio Lower Upper
 128 100
 49 165.8 113.8 211.3
 130 130.7 90.6 168.3
 51 53.4 43.7 65.5





#25

Chloroform

Concen: 4.842 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

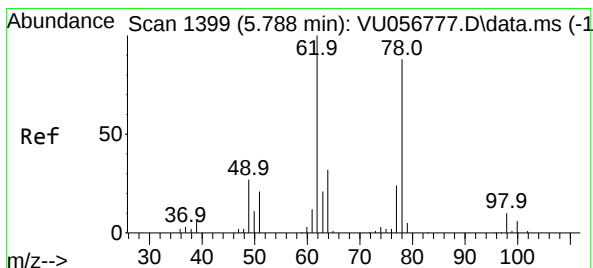
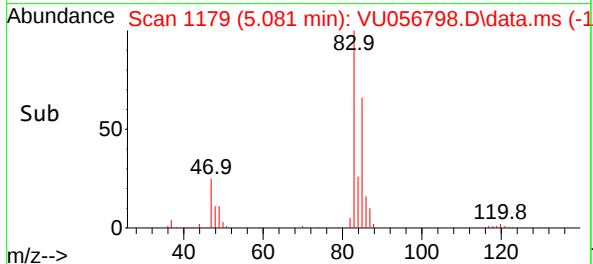
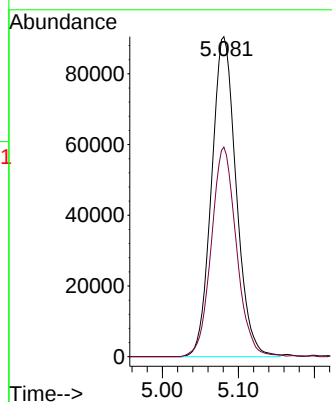
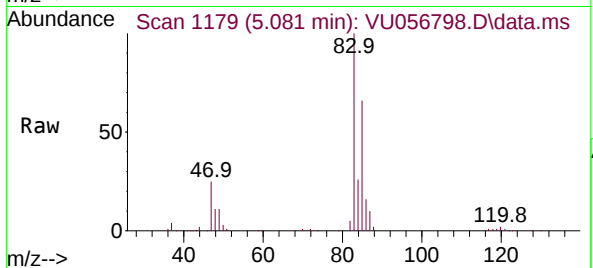
ClientSampleId :

Tgt Ion: 83 Resp: 203948

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.902 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056798.D

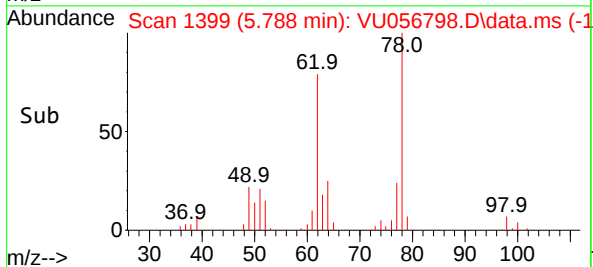
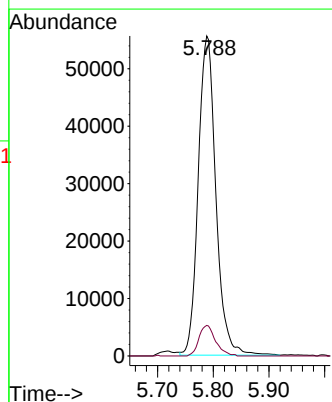
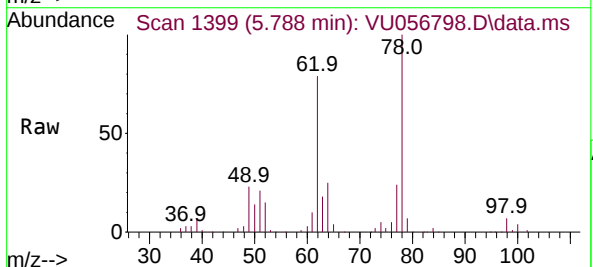
Acq: 12 Dec 2023 20:10

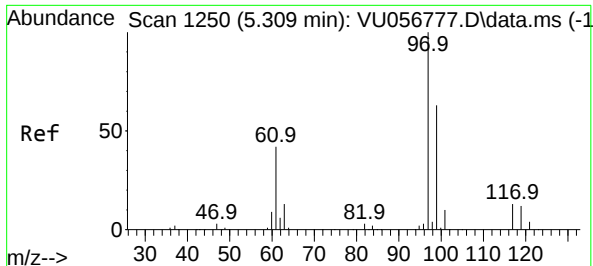
Tgt Ion: 62 Resp: 122097

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6

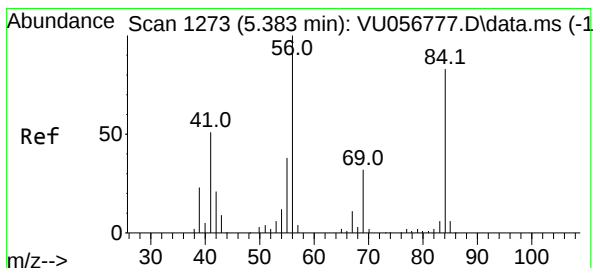
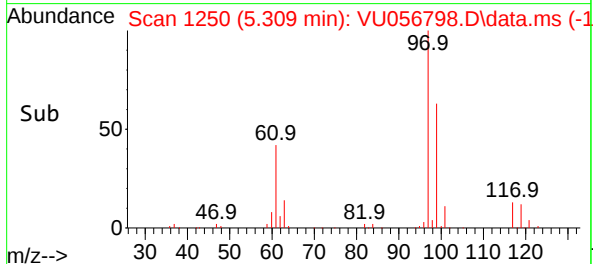
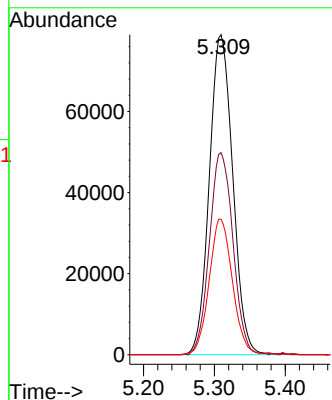
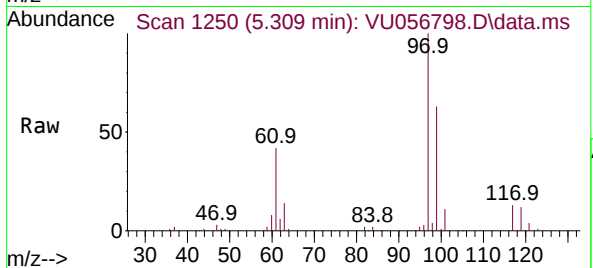




#29
1,1,1-Trichloroethane
Concen: 5.042 ug/L
RT: 5.309 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

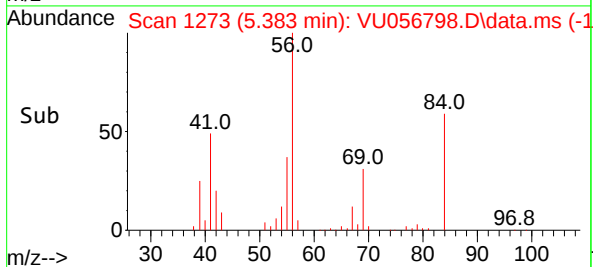
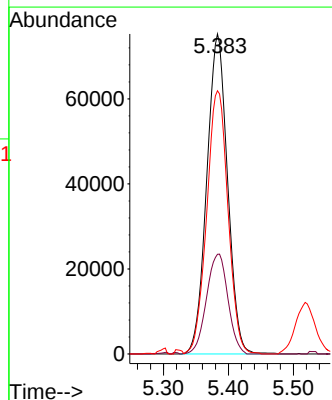
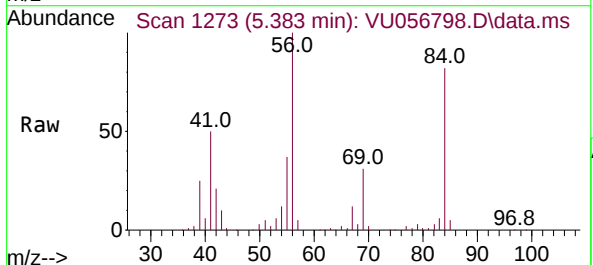
Instrument :
MSVOA_U
ClientSampleId :

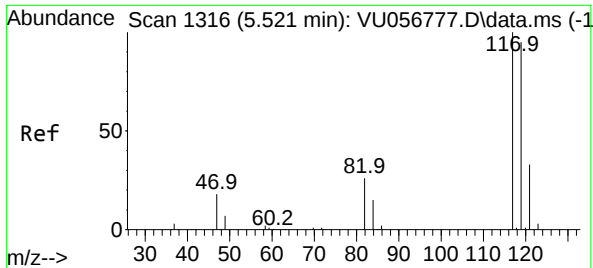
Tgt Ion: 97 Resp: 181705
Ion Ratio Lower Upper
97 100
99 63.3 52.5 78.7
61 42.0 34.2 51.2



#30
Cyclohexane
Concen: 4.933 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion: 56 Resp: 166857
Ion Ratio Lower Upper
56 100
69 32.2 24.9 37.3
84 84.4 67.6 101.4

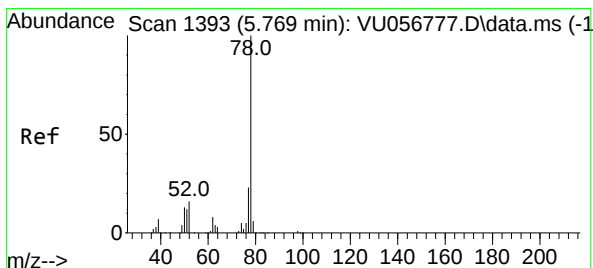
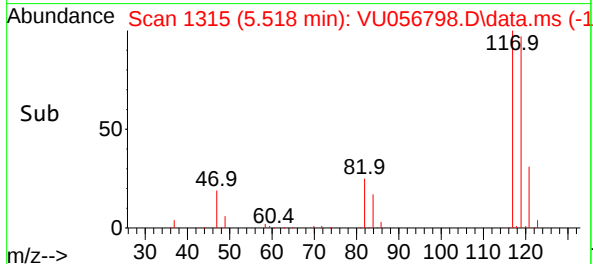
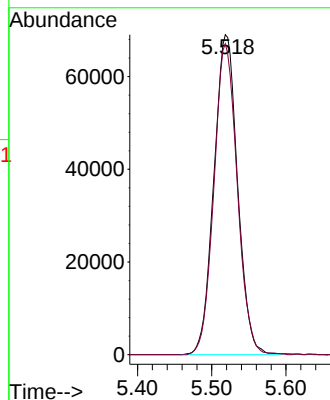
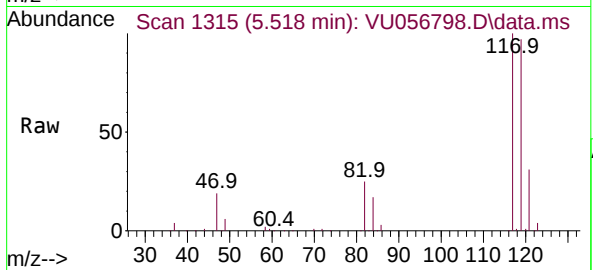




#31
Carbon tetrachloride
Concen: 4.889 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

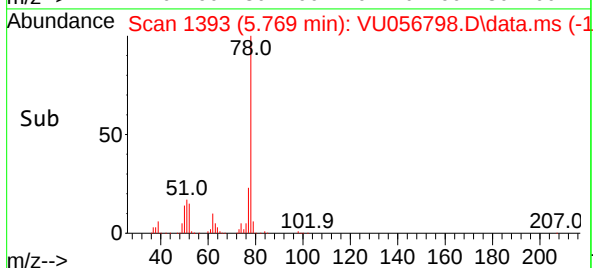
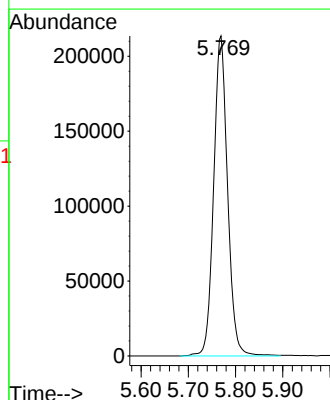
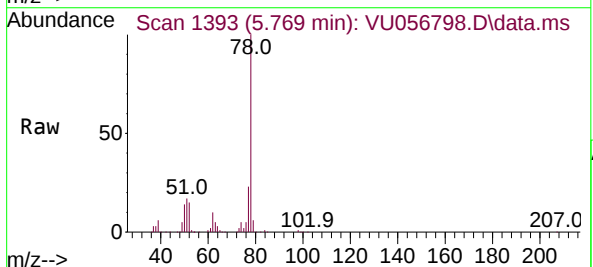
Instrument :
MSVOA_U
ClientSampleId :

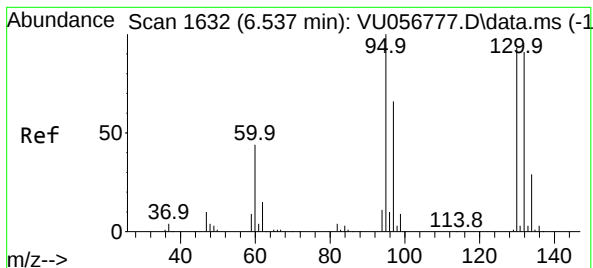
Tgt Ion:117 Resp: 153145
Ion Ratio Lower Upper
117 100
119 95.6 76.2 114.4



#33
Benzene
Concen: 4.988 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion: 78 Resp: 437102





#34

Trichloroethene

Concen: 4.806 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 115521

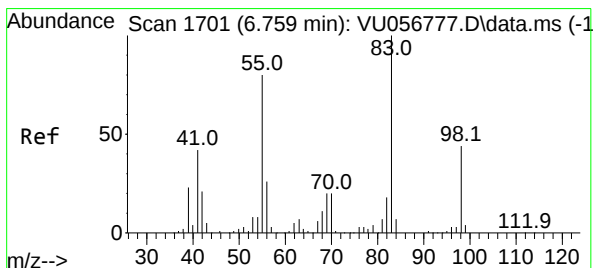
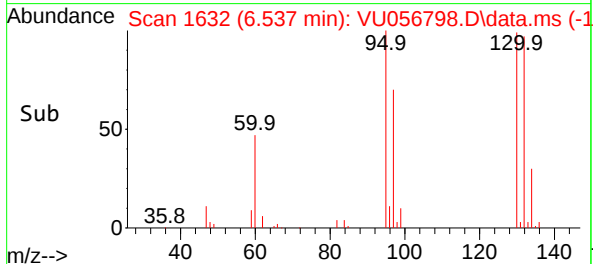
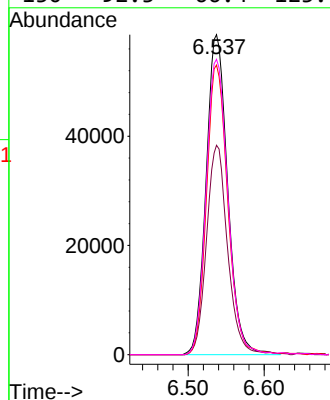
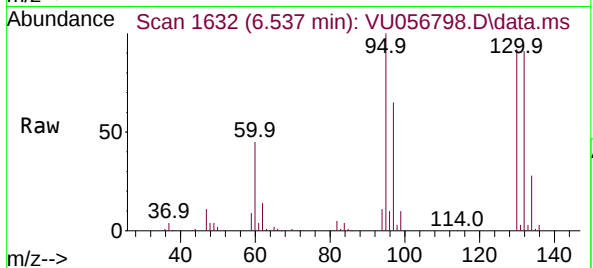
Ion Ratio Lower Upper

95 100

97 65.4 46.1 85.5

132 90.5 63.6 118.0

130 92.3 66.4 123.4



#35

Methylcyclohexane

Concen: 4.775 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

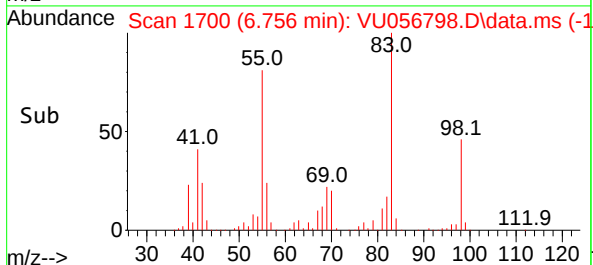
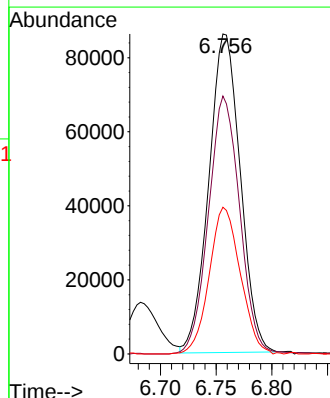
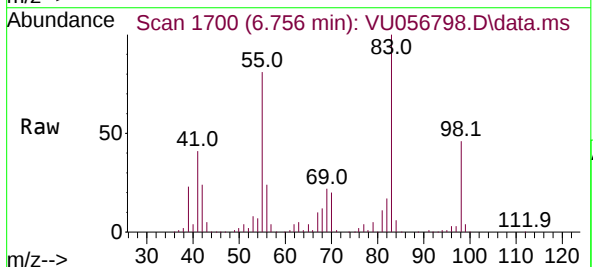
Tgt Ion: 83 Resp: 169360

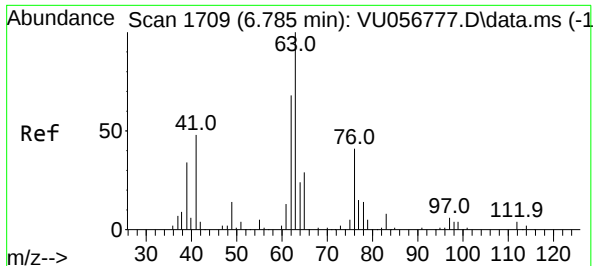
Ion Ratio Lower Upper

83 100

55 80.5 64.6 97.0

98 45.5 36.1 54.1





#37

1,2-Dichloropropane

Concen: 5.105 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

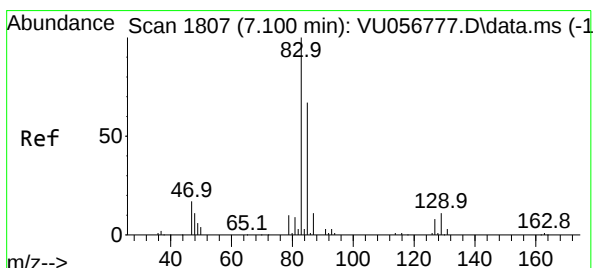
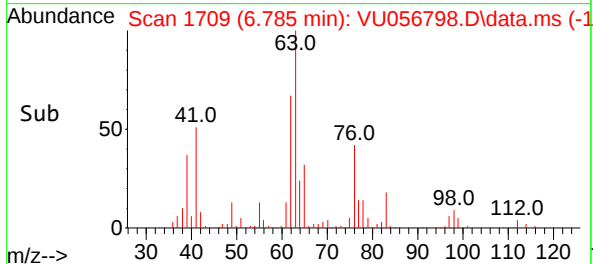
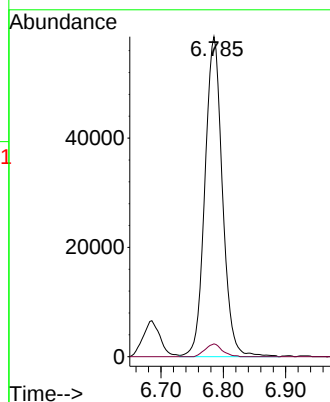
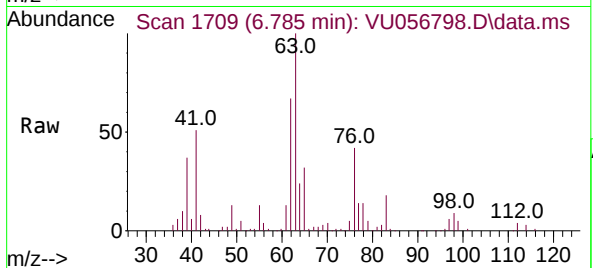
ClientSampleId :

Tgt Ion: 63 Resp: 114418

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 4.900 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

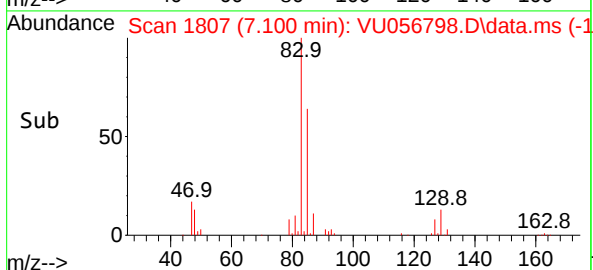
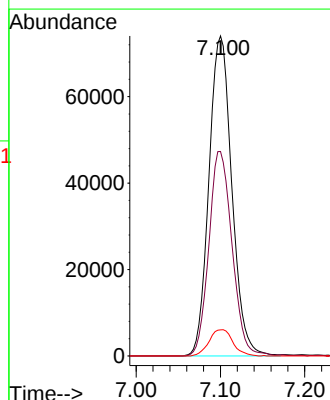
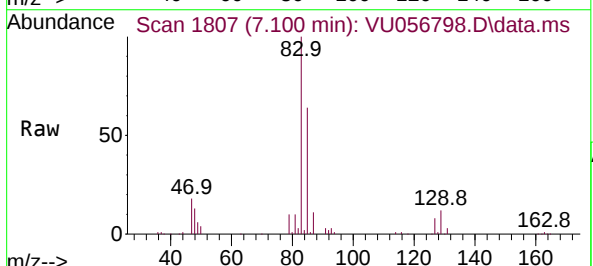
Tgt Ion: 83 Resp: 140048

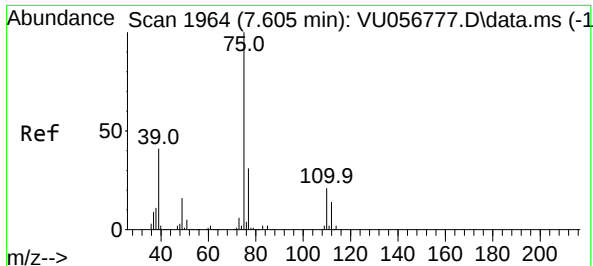
Ion Ratio Lower Upper

83 100

85 63.9 45.0 83.6

127 8.2 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.851 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

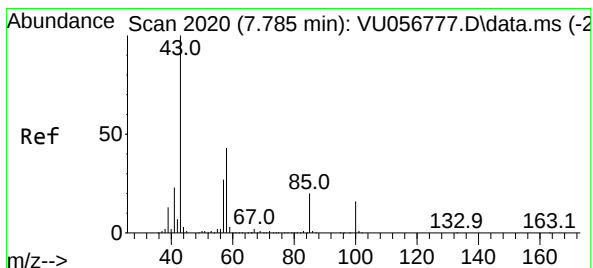
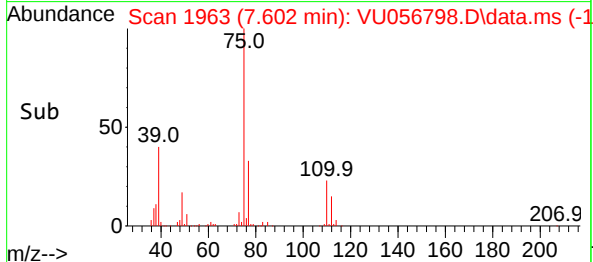
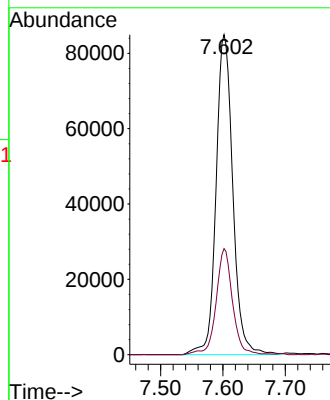
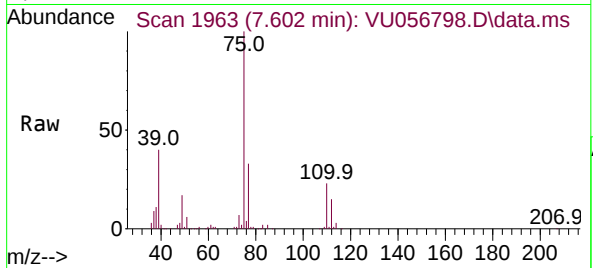
ClientSampleId :

Tgt Ion: 75 Resp: 158483

Ion Ratio Lower Upper

75 100

77 33.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 50.830 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

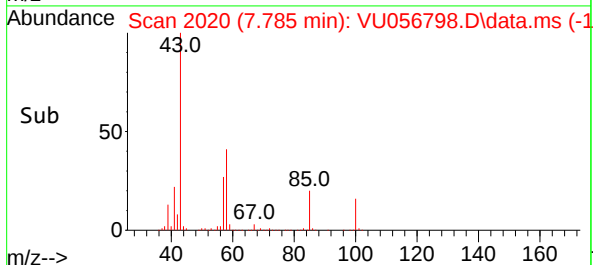
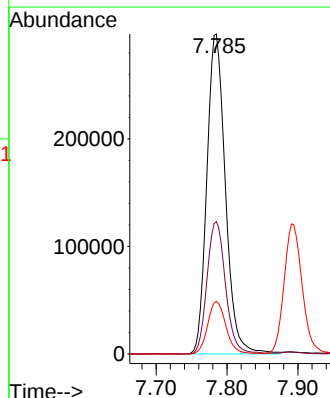
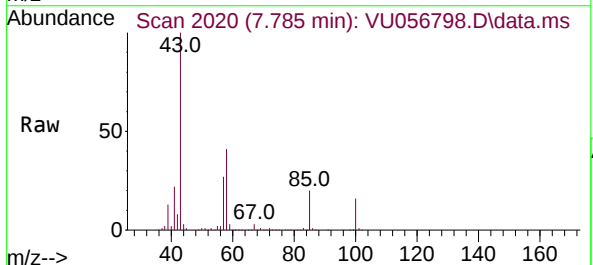
Tgt Ion: 43 Resp: 540990

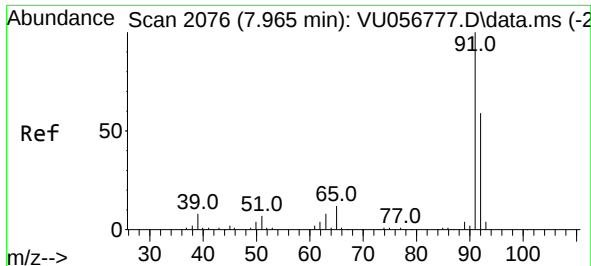
Ion Ratio Lower Upper

43 100

58 41.5 33.7 50.5

100 16.2 13.0 19.4





#42

Toluene

Concen: 5.296 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

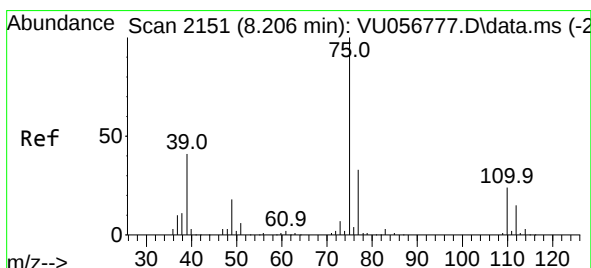
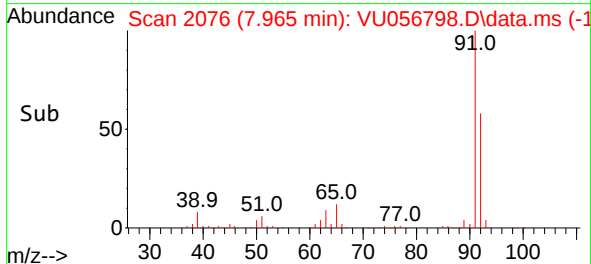
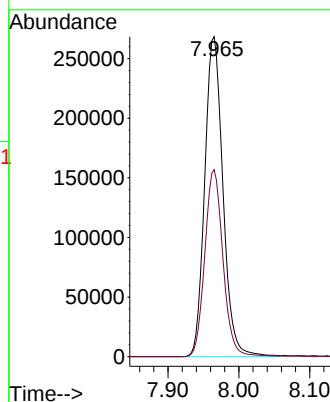
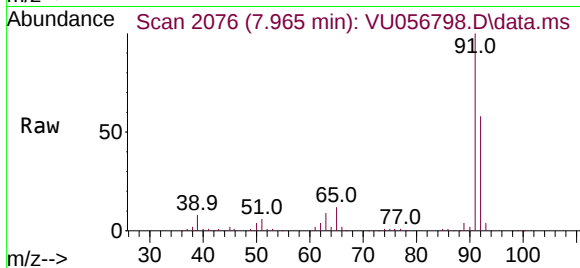
ClientSampleId :

Tgt Ion: 91 Resp: 480189

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.960 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056798.D

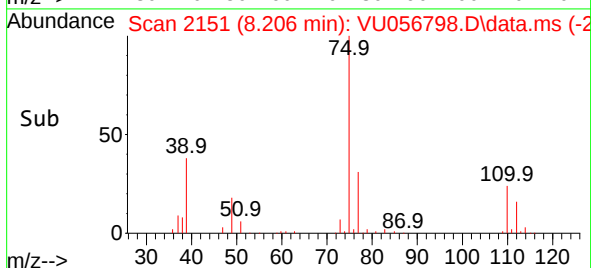
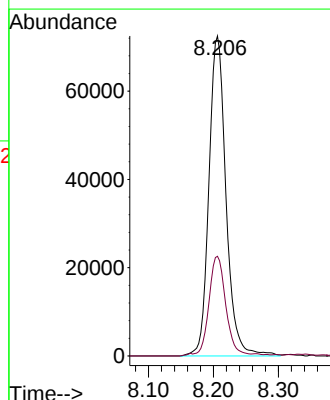
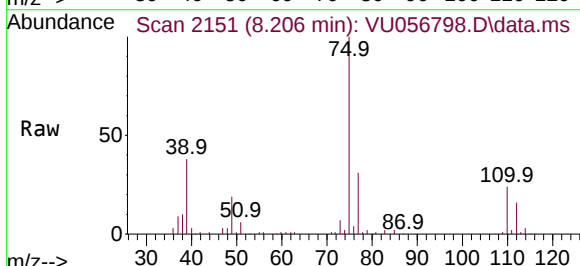
Acq: 12 Dec 2023 20:10

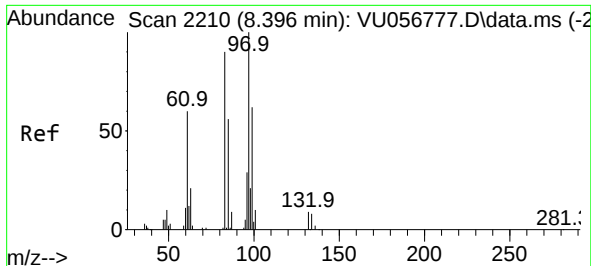
Tgt Ion: 75 Resp: 132797

Ion Ratio Lower Upper

75 100

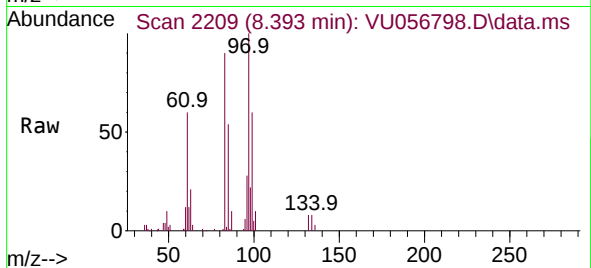
77 31.2 21.8 40.4



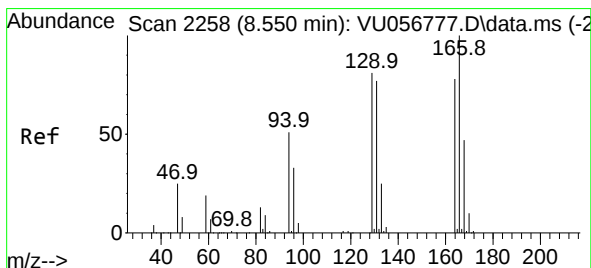
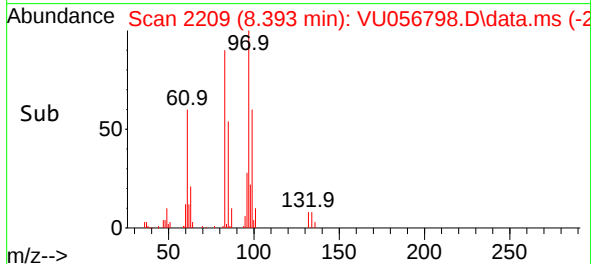
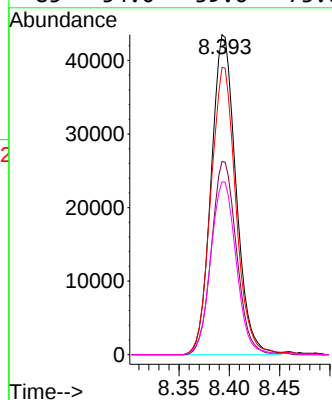


#45
1,1,2-Trichloroethane
Concen: 4.926 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Instrument :
MSVOA_U
ClientSampleId :

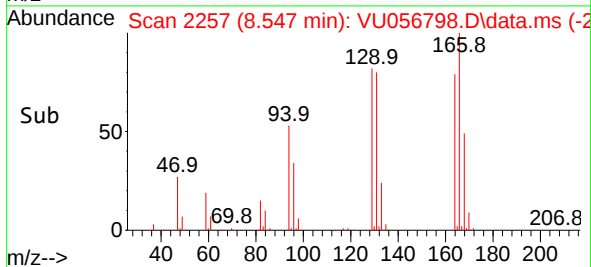
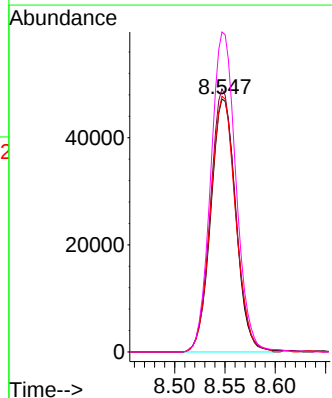
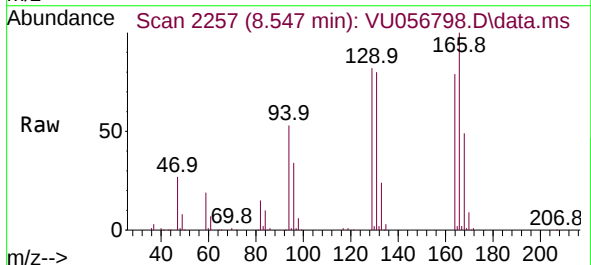


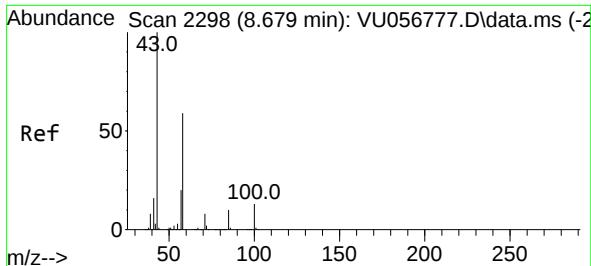
Tgt Ion: 97	Resp: 74652
Ion Ratio	Lower Upper
97 100	
99 60.4	41.9 77.9
83 89.8	59.1 109.7
85 54.0	39.6 73.6



#47
Tetrachloroethene
Concen: 4.857 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

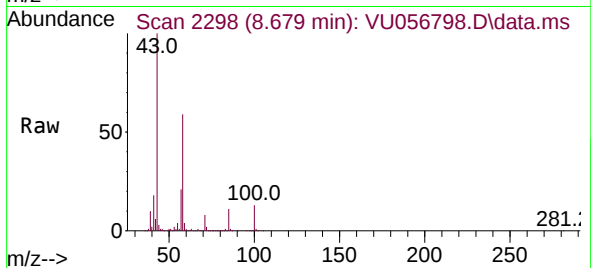
Tgt Ion: 164	Resp: 81695
Ion Ratio	Lower Upper
164 100	
129 104.0	73.4 136.4
131 101.1	71.5 132.9
166 126.5	92.7 172.1



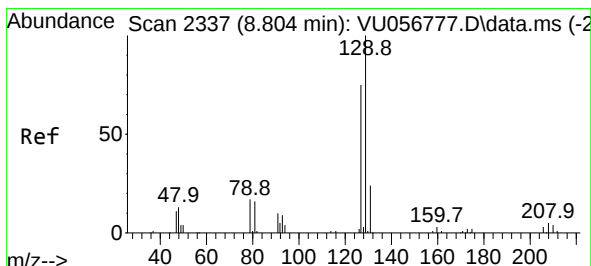
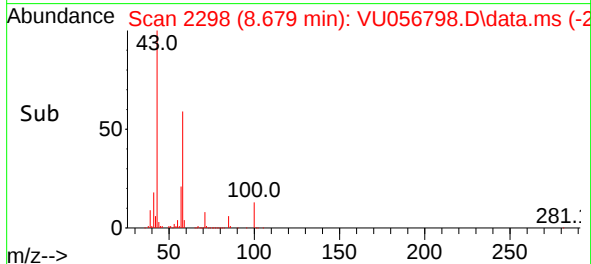
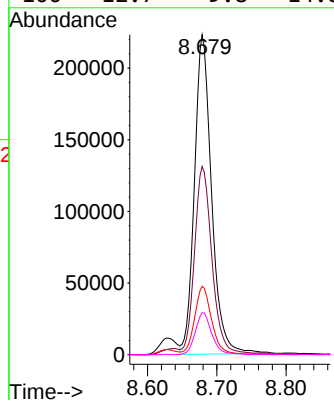


#48
2-Hexanone
Concen: 50.719 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Instrument :
MSVOA_U
ClientSampleId :

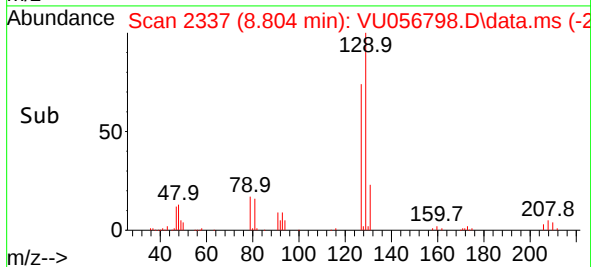
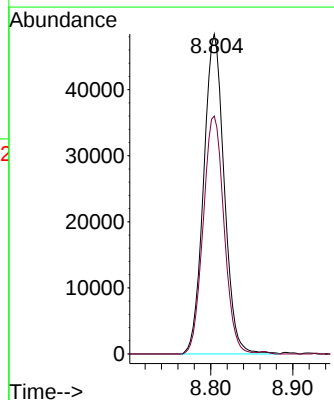
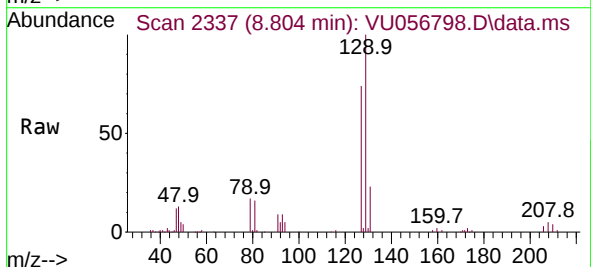


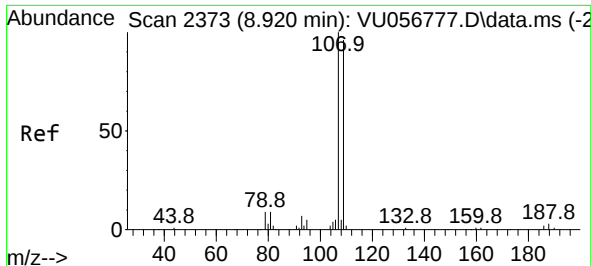
Tgt Ion: 43 Resp: 384466
Ion Ratio Lower Upper
43 100
58 58.9 47.5 71.3
57 21.0 17.0 25.4
100 12.7 9.8 14.8



#49
Dibromochloromethane
Concen: 4.832 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion: 129 Resp: 84163
Ion Ratio Lower Upper
129 100
127 74.4 53.9 100.1





#50

1,2-Dibromoethane

Concen: 5.005 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

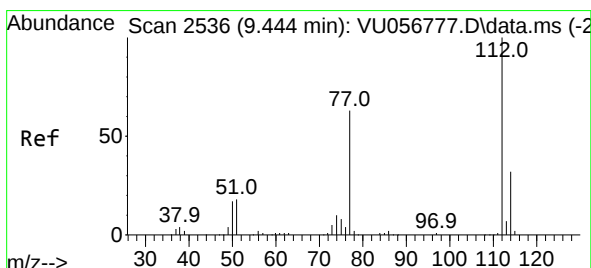
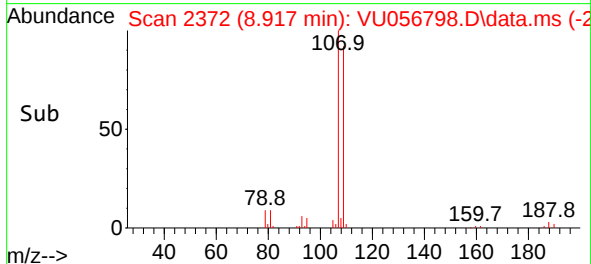
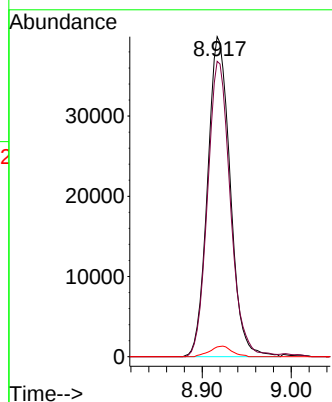
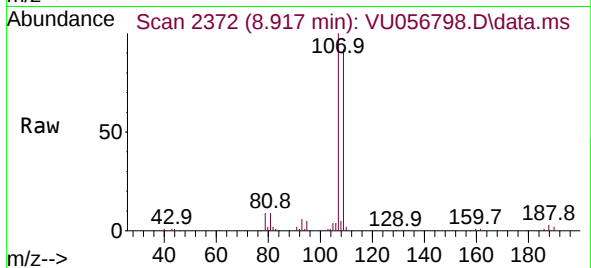
Tgt Ion:107 Resp: 70382

Ion Ratio Lower Upper

107 100

109 92.3 66.5 123.5

188 3.0 2.9 4.3



#51

Chlorobenzene

Concen: 4.920 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

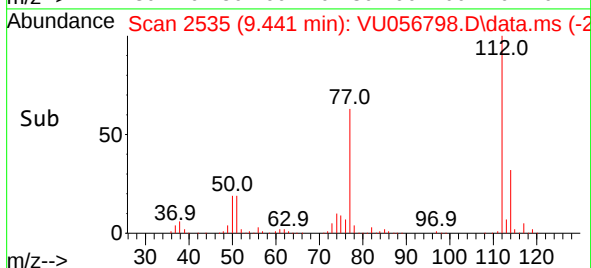
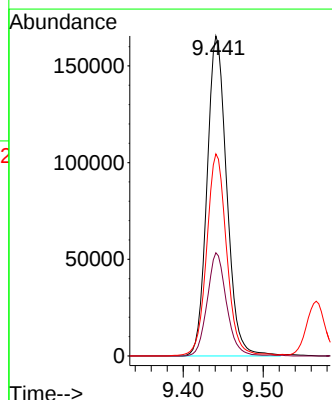
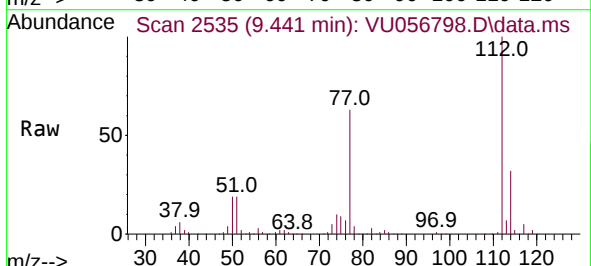
Tgt Ion:112 Resp: 284313

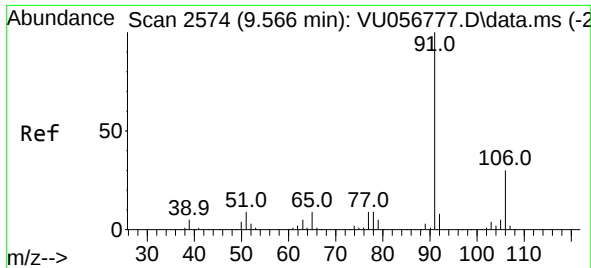
Ion Ratio Lower Upper

112 100

114 32.2 21.9 40.7

77 63.1 51.6 77.4

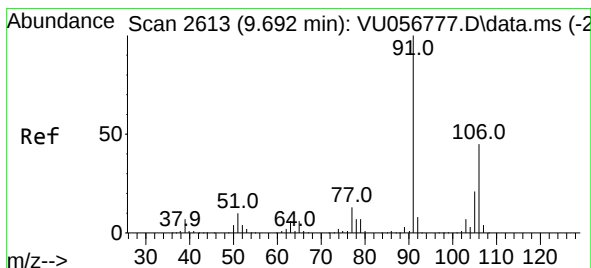
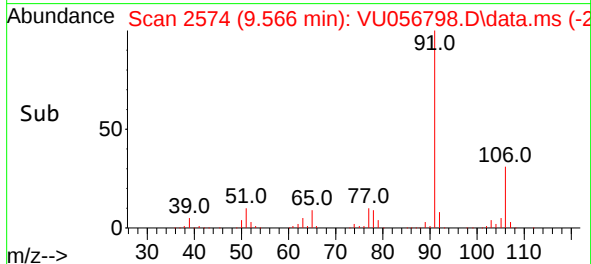
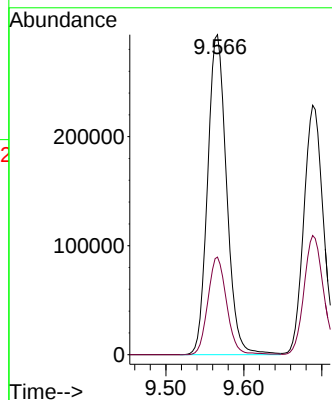
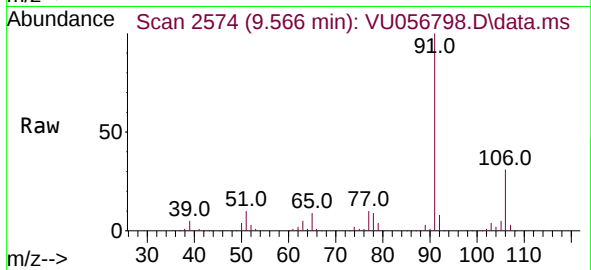




#52
Ethylbenzene
Concen: 4.971 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

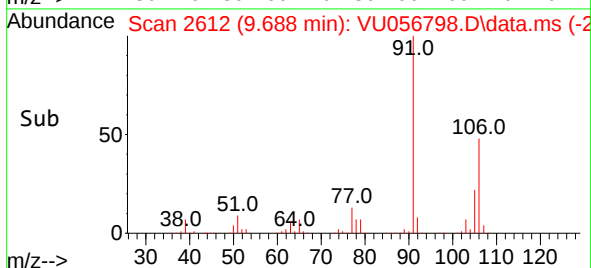
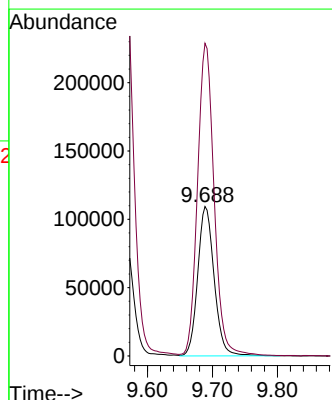
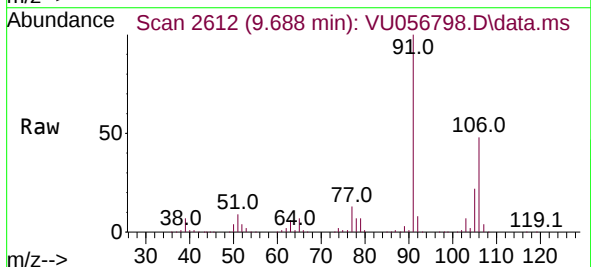
Instrument :
MSVOA_U
ClientSampleId :

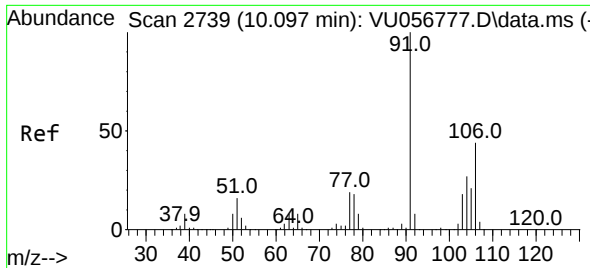
Tgt Ion: 91 Resp: 497190
Ion Ratio Lower Upper
91 100
106 30.5 20.6 38.4



#53
m,p-Xylene
Concen: 5.168 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion: 106 Resp: 192571
Ion Ratio Lower Upper
106 100
91 209.3 154.0 286.0

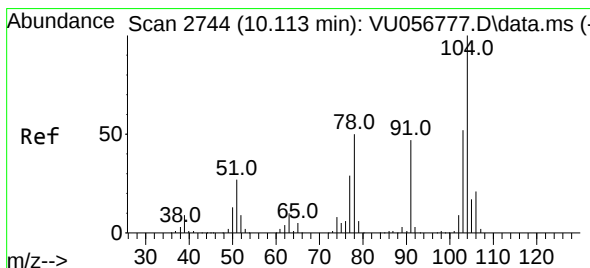
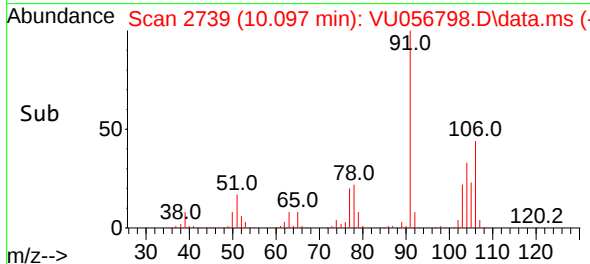
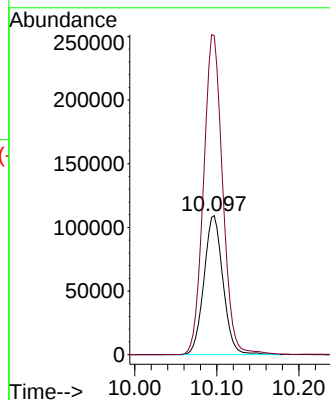
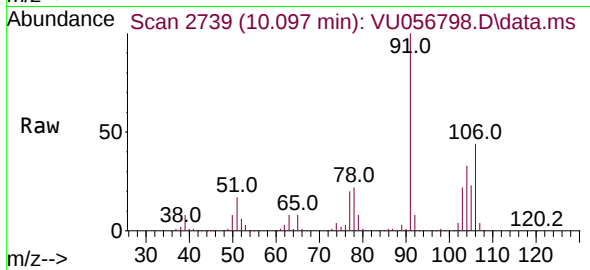




#54
o-Xylene
Concen: 4.973 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

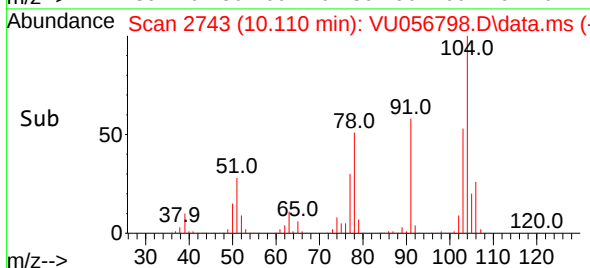
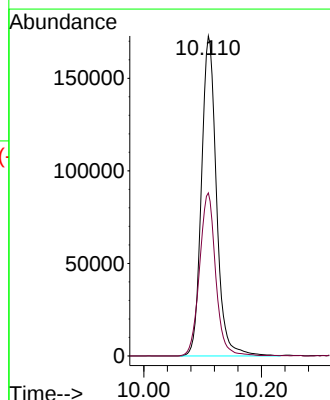
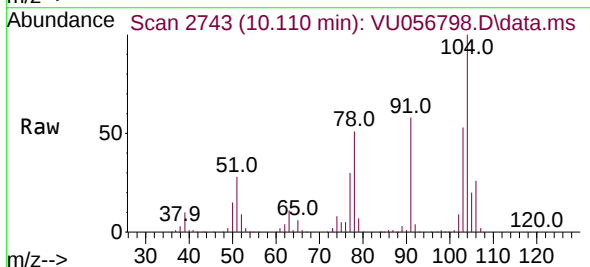
Instrument :
MSVOA_U
ClientSampleId :

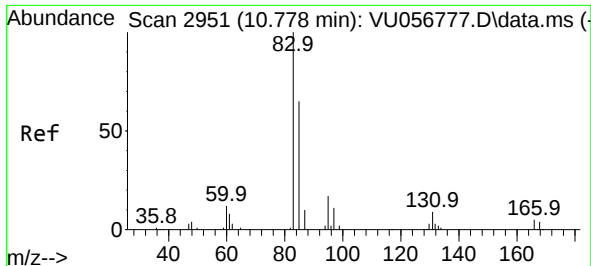
Tgt Ion:106 Resp: 176535
Ion Ratio Lower Upper
106 100
91 229.4 160.2 297.6



#55
Styrene
Concen: 5.246 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion:104 Resp: 305789
Ion Ratio Lower Upper
104 100
78 51.0 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.050 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

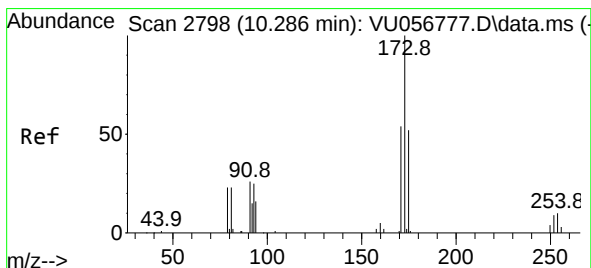
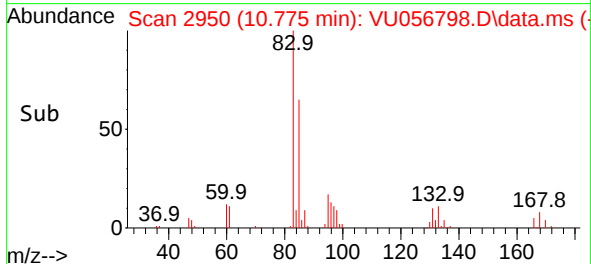
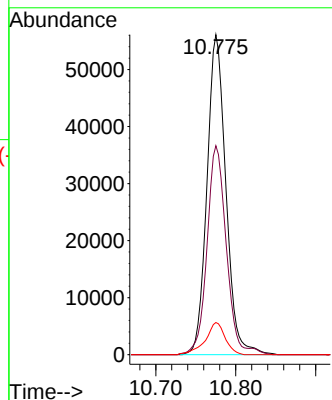
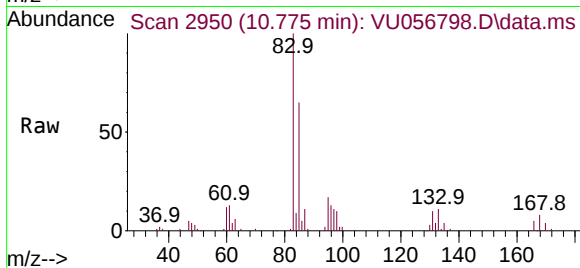
Tgt Ion: 83 Resp: 92447

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.4

131 10.0 6.6 9.8#



#59

Bromoform

Concen: 4.645 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

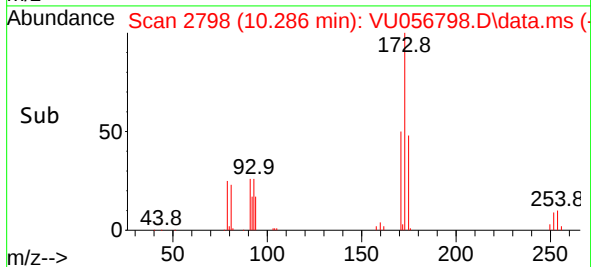
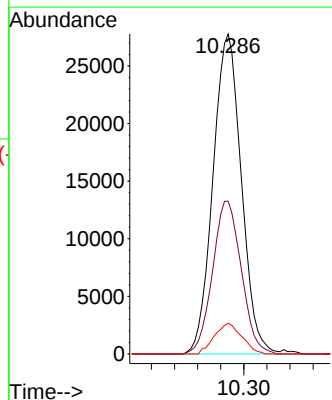
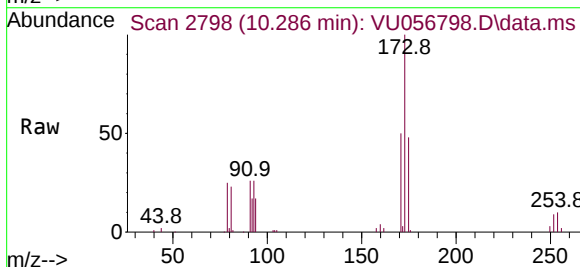
Tgt Ion:173 Resp: 47314

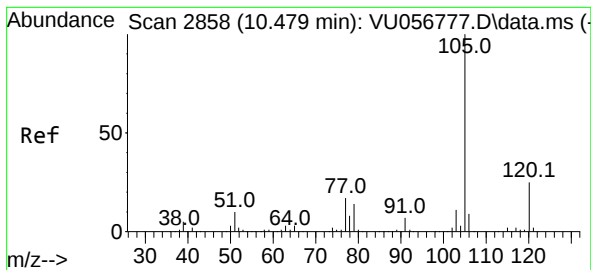
Ion Ratio Lower Upper

173 100

175 48.4 38.2 57.2

254 9.3 7.0 10.4





#60

Isopropylbenzene

Concen: 4.956 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

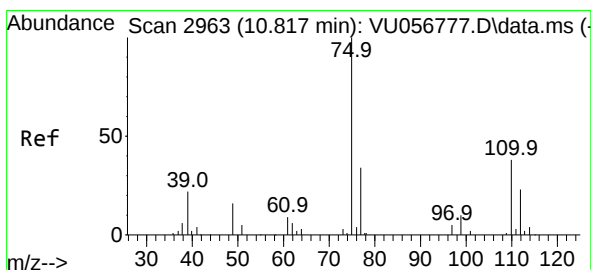
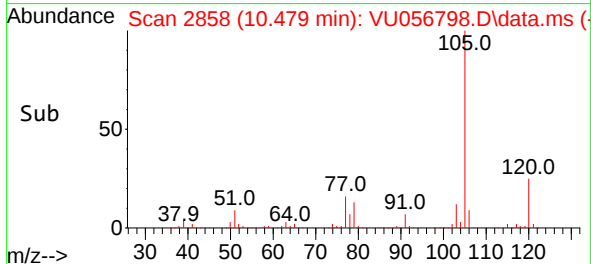
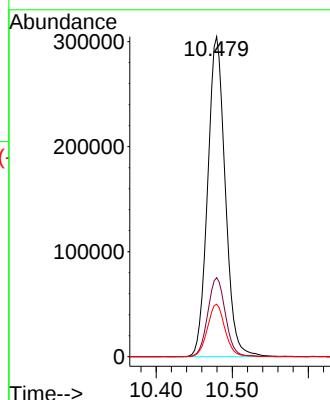
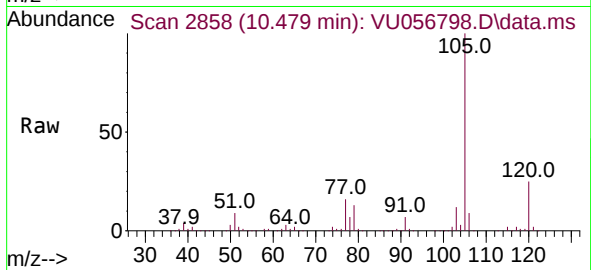
Tgt Ion:105 Resp: 488473

Ion Ratio Lower Upper

105 100

120 24.9 20.1 30.1

77 16.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.885 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

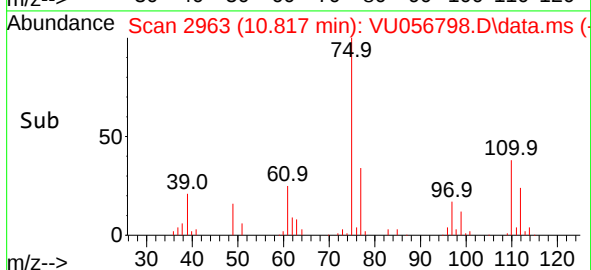
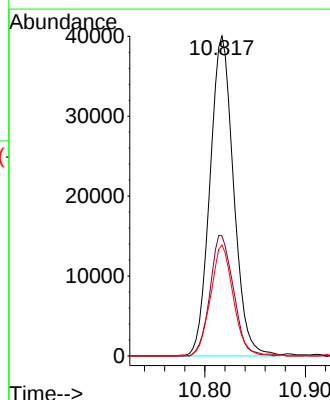
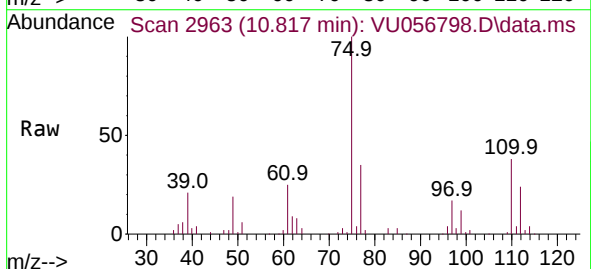
Tgt Ion: 75 Resp: 65435

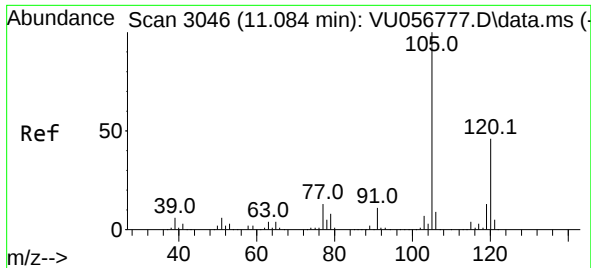
Ion Ratio Lower Upper

75 100

110 37.3 28.4 42.6

77 33.2 26.3 39.5

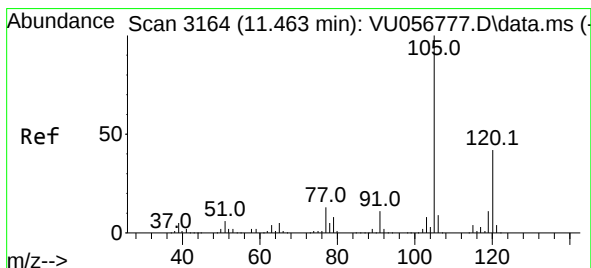
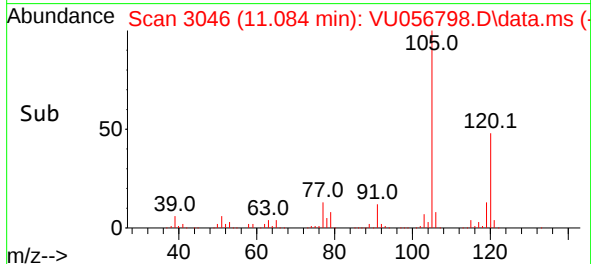
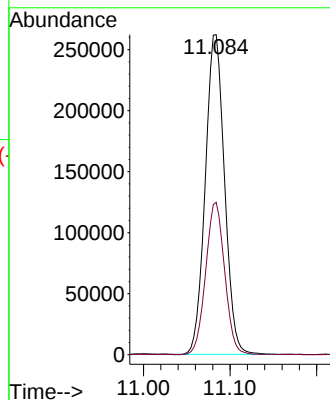
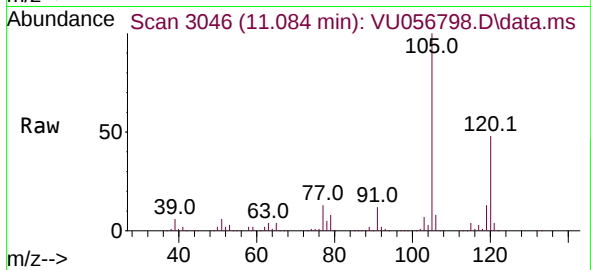




#62
1,3,5-Trimethylbenzene
Concen: 5.032 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

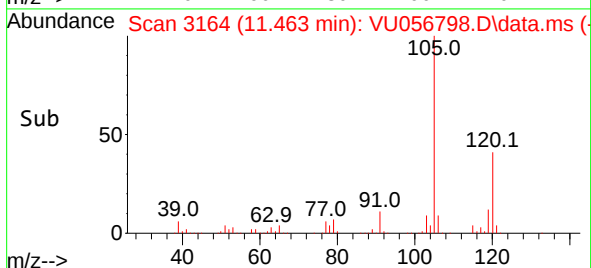
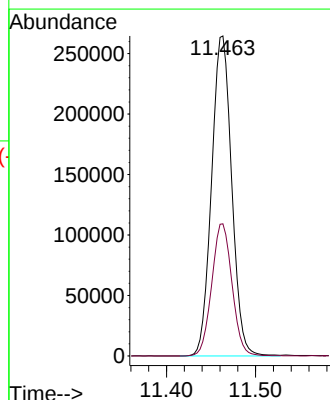
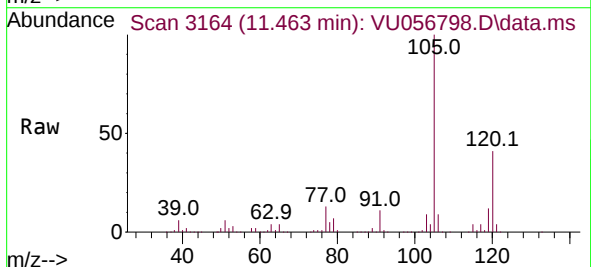
Instrument :
MSVOA_U
ClientSampleId :

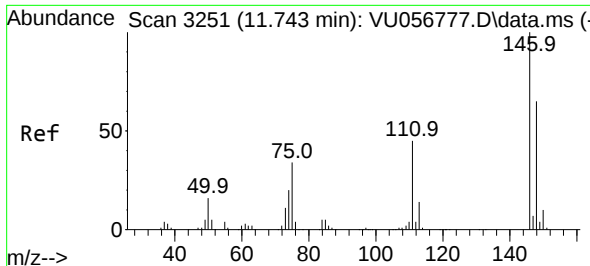
Tgt Ion:105 Resp: 405385
Ion Ratio Lower Upper
105 100
120 47.0 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 5.183 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

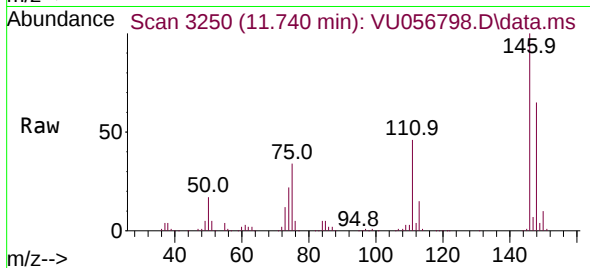
Tgt Ion:105 Resp: 414685
Ion Ratio Lower Upper
105 100
120 41.7 34.2 51.4



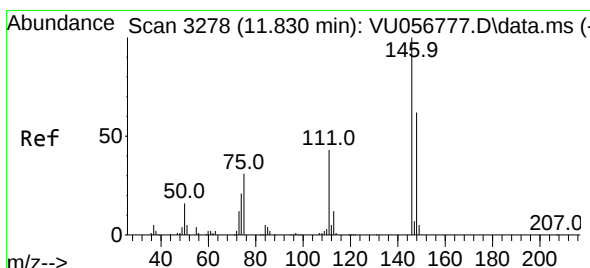
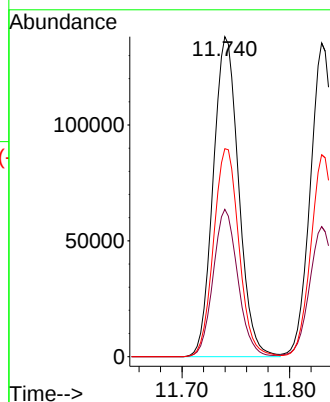
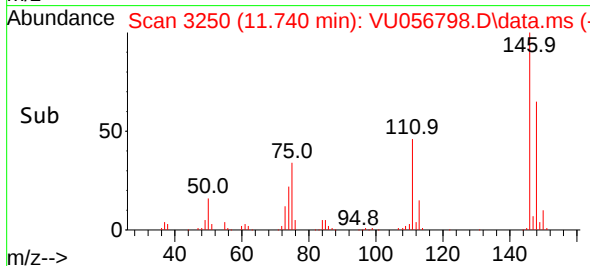


#64
1,3-Dichlorobenzene
Concen: 4.866 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

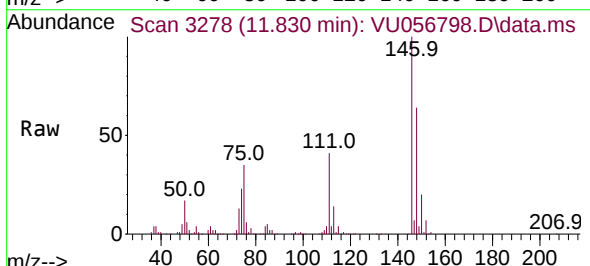
Instrument :
MSVOA_U
ClientSampleId :



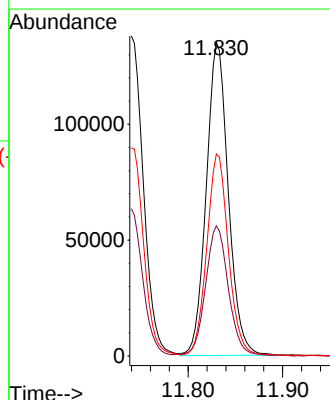
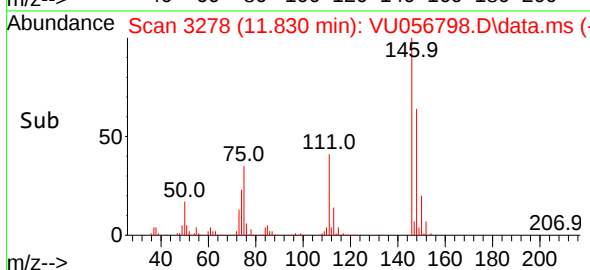
Tgt Ion:146 Resp: 226870
Ion Ratio Lower Upper
146 100
111 46.0 31.7 58.9
148 65.0 44.3 82.3

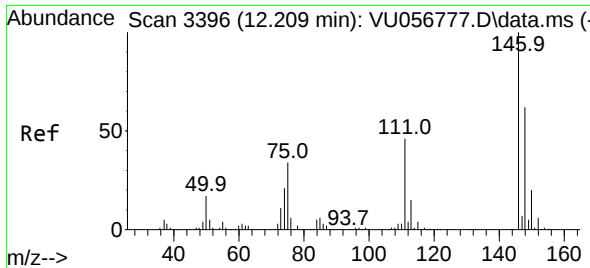


#65
1,4-Dichlorobenzene
Concen: 4.756 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10



Tgt Ion:146 Resp: 218354
Ion Ratio Lower Upper
146 100
111 41.5 31.2 58.0
148 64.4 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.699 ug/L

RT: 12.206 min Scan# 3396

Delta R.T. -0.003 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :

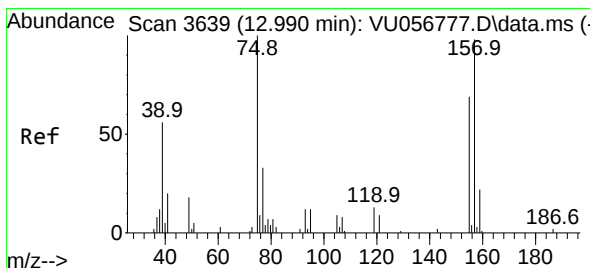
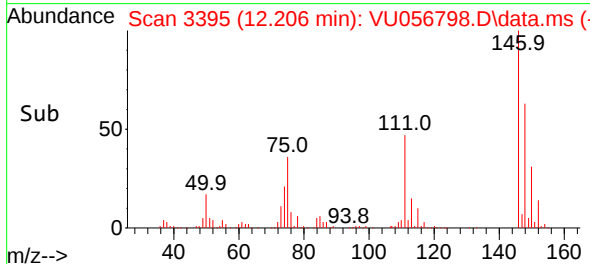
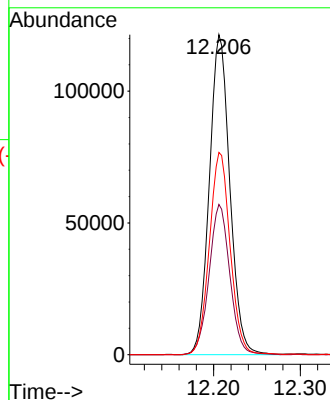
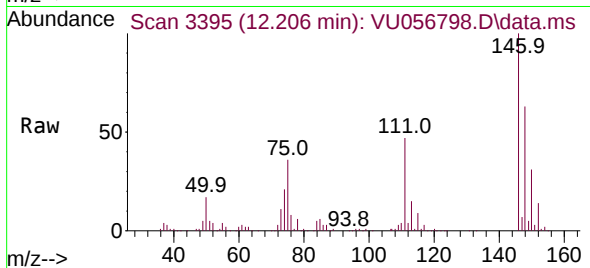
Tgt Ion:146 Resp: 199591

Ion Ratio Lower Upper

146 100

111 46.9 36.9 55.3

148 63.2 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.377 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

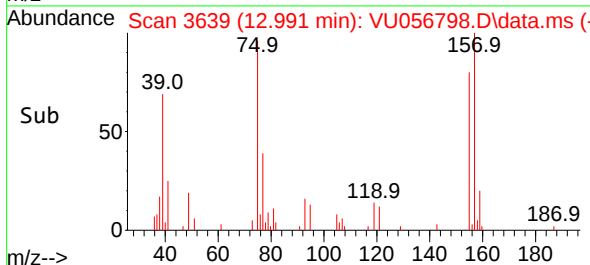
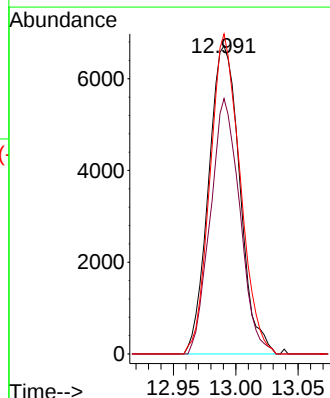
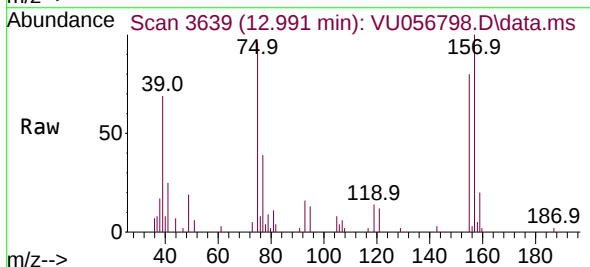
Tgt Ion: 75 Resp: 11705

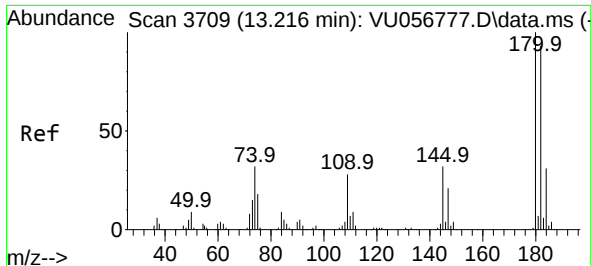
Ion Ratio Lower Upper

75 100

155 82.9 55.4 83.2

157 103.9 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.404 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

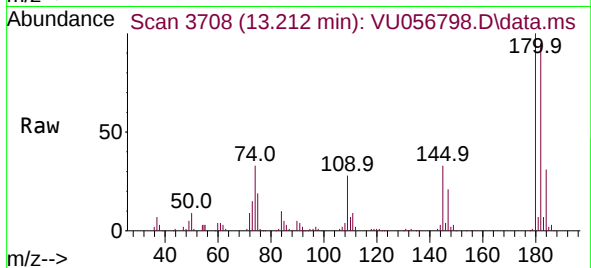
Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 155152

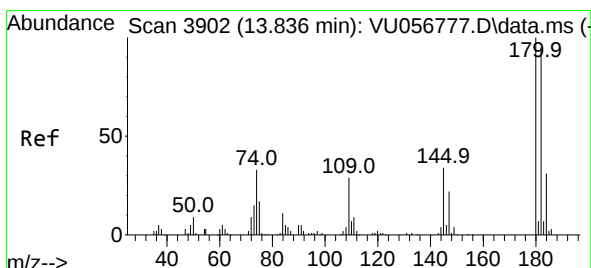
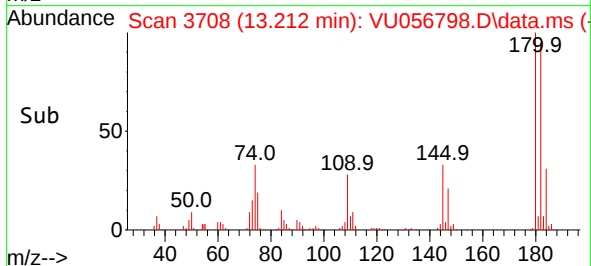
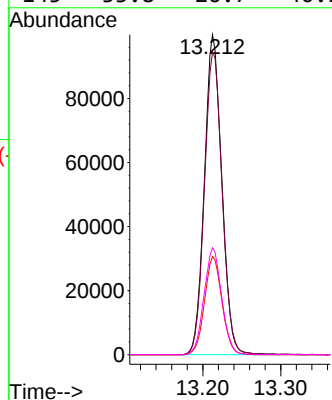
Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.4

184 30.7 24.6 37.0

145 33.8 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.394 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU056798.D

Acq: 12 Dec 2023 20:10

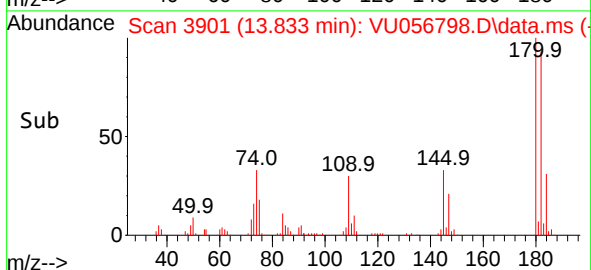
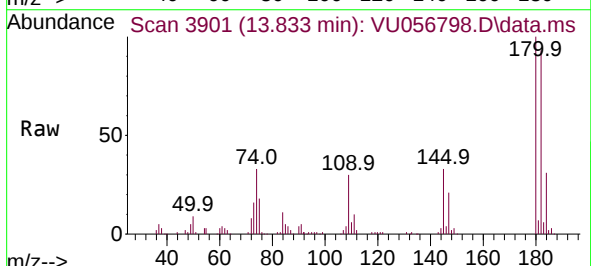
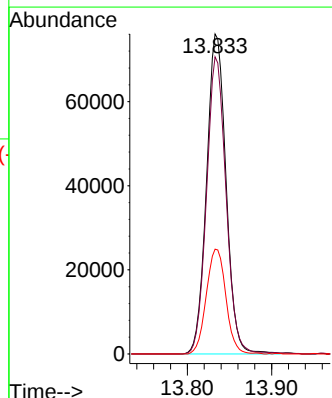
Tgt Ion:180 Resp: 122581

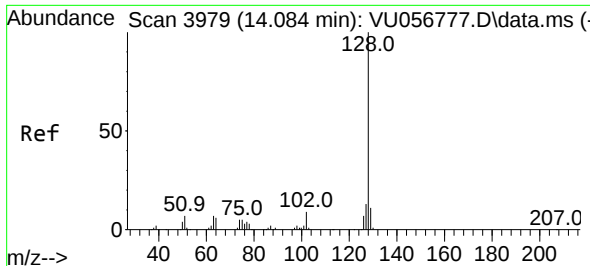
Ion Ratio Lower Upper

180 100

182 92.6 74.3 111.5

145 32.8 26.7 40.1

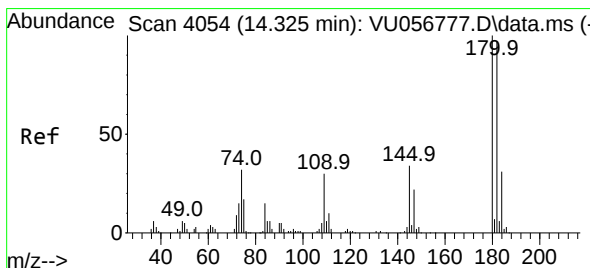
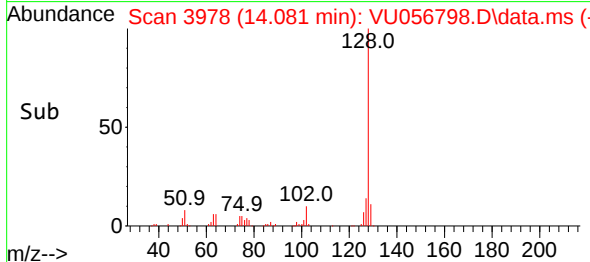
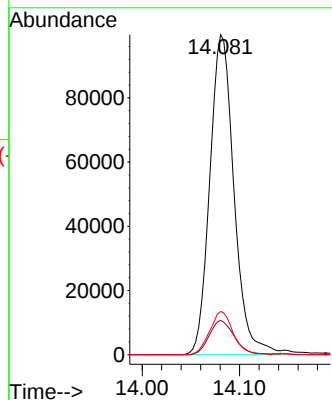
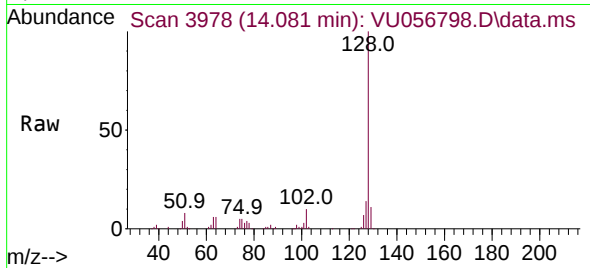




#71
Naphthalene
Concen: 4.213 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 171994
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.1 10.2 15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.229 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU056798.D
Acq: 12 Dec 2023 20:10

Tgt Ion:180 Resp: 100161
Ion Ratio Lower Upper
180 100
182 97.3 75.0 112.6
145 36.9 28.6 42.8

