

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056797.D
 Acq On : 12 Dec 2023 19:46
 Operator : MD/SY
 Sample : 05664-05MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0Y31MS

Quant Time: Dec 13 00:36:01 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	244630	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	236379	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122794	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87055	4.152	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.000%
7) Chloroethane-d5	1.907	69	64794	4.129	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.560	65	39452	4.397	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.000%
20) 2-Butanone-d5	4.618	46	212069	51.211	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.420%
24) Chloroform-d	5.055	84	196246	4.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	5.695	65	92419	4.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.721	84	368062	5.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.682	67	114299	4.981	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.891	98	328950	5.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
43) trans-1,3-Dichloroprop...	8.174	79	44541	5.005	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.000%
46) 2-Hexanone-d5	8.627	63	181124	53.962	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.920%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	86820	5.229	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	116277	4.817	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	127045	4.956	ug/L	96
3) Chloromethane	1.515	50	135142	5.362	ug/L	98
5) Vinyl chloride	1.602	62	124657	4.980	ug/L	98
6) Bromomethane	1.853	94	65274	4.423	ug/L	97
8) Chloroethane	1.930	64	70483	4.807	ug/L	97
9) Trichlorofluoromethane	2.136	101	177662	5.036	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	108500	5.015	ug/L	97
12) 1,1-Dichloroethene	2.576	96	99127	4.991	ug/L	92
13) Acetone	2.628	43	119718	47.439	ug/L	98
14) Carbon disulfide	2.788	76	335238	4.865	ug/L	100
15) Methyl Acetate	2.946	43	32803	4.775	ug/L	98
16) Methylene chloride	3.039	84	105461	4.874	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	226575	5.145	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	100460	4.989	ug/L	99
19) 1,1-Dichloroethane	3.862	63	198094	5.114	ug/L	98
21) 2-Butanone	4.698	43	202955	47.689	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	111669	5.097	ug/L	99
23) Bromochloromethane	4.968	128	46435	5.063	ug/L	98
25) Chloroform	5.081	83	206290	5.084	ug/L	100

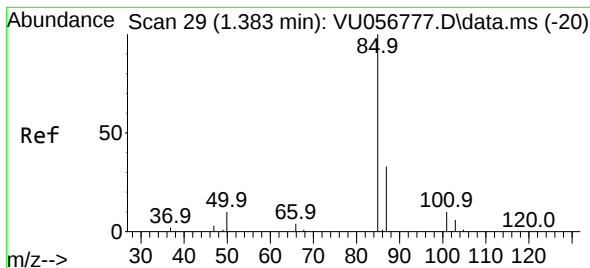
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	123206	5.134	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	181346	5.307	ug/L	98
30) Cyclohexane	5.380	56	165106	5.149	ug/L	99
31) Carbon tetrachloride	5.518	117	155530	5.237	ug/L	99
33) Benzene	5.769	78	440739	5.305	ug/L	100
34) Trichloroethene	6.538	95	116127	5.096	ug/L	99
35) Methylcyclohexane	6.756	83	169086	5.028	ug/L	100
37) 1,2-Dichloropropane	6.785	63	115234	5.423	ug/L	99
38) Bromodichloromethane	7.097	83	139201	5.137	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	159006	5.134	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	528251	52.350	ug/L	99
42) Toluene	7.962	91	521746	6.070	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	128941	5.080	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	75371	5.246	ug/L	96
47) Tetrachloroethene	8.547	164	83330	5.225	ug/L	97
48) 2-Hexanone	8.679	43	380338	52.921	ug/L	100
49) Dibromochloromethane	8.801	129	86553	5.241	ug/L	97
50) 1,2-Dibromoethane	8.917	107	69525	5.214	ug/L	98
51) Chlorobenzene	9.441	112	283524	5.175	ug/L	99
52) Ethylbenzene	9.566	91	494806	5.218	ug/L	100
53) m,p-Xylene	9.689	106	184464	5.222	ug/L	99
54) o-Xylene	10.094	106	181545	5.394	ug/L	98
55) Styrene	10.110	104	296445	5.364	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	90106	5.191	ug/L	99
59) Bromoform	10.283	173	47792	4.767	ug/L	98
60) Isopropylbenzene	10.479	105	477631	4.923	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	61789	4.686	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	383825	4.841	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	384243	4.879	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	223419	4.868	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	215753	4.774	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	200953	4.807	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	12399	4.710	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	152380	4.394	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	113705	4.141	ug/L	98
71) Naphthalene	14.081	128	152593	3.797	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	91892	3.942	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.956 ug/L

RT: 1.380 min Scan# 21

Delta R.T. -0.003 min

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Instrument :

MSVOA_U

ClientSampleId :

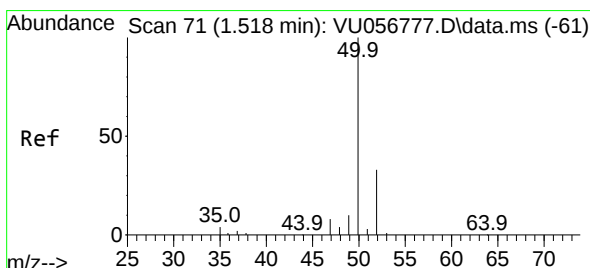
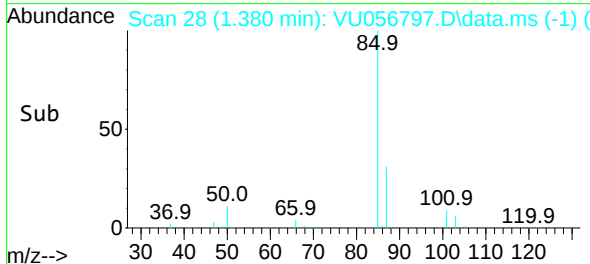
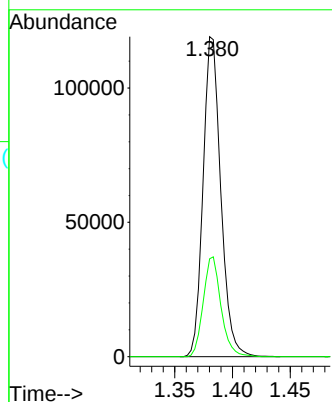
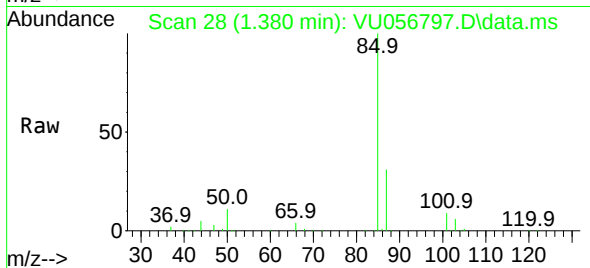
E0Y31MS

Tgt Ion: 85 Resp: 127045

Ion Ratio Lower Upper

85 100

87 31.3 26.8 40.2



#3

Chloromethane

Concen: 5.362 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU056797.D

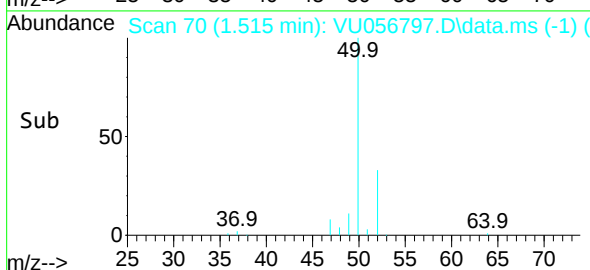
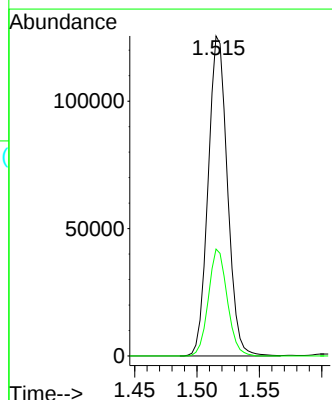
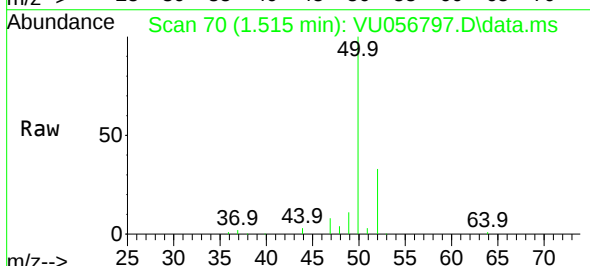
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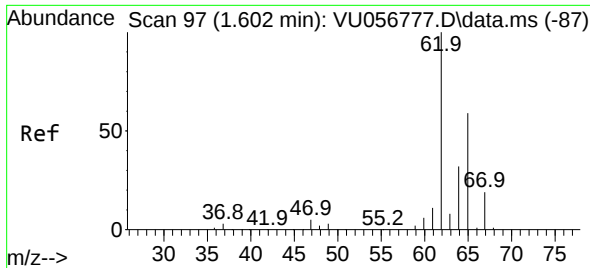
Tgt Ion: 50 Resp: 135142

Ion Ratio Lower Upper

50 100

52 33.4 22.5 41.7

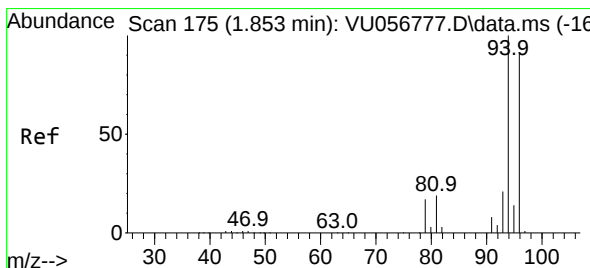
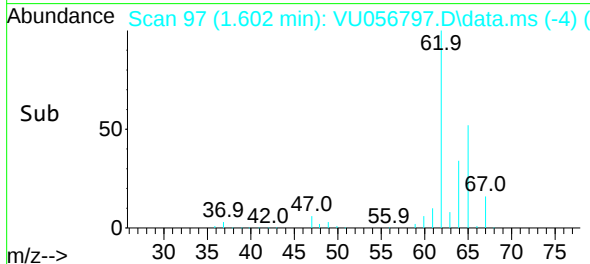
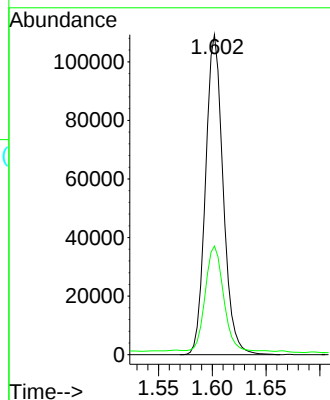
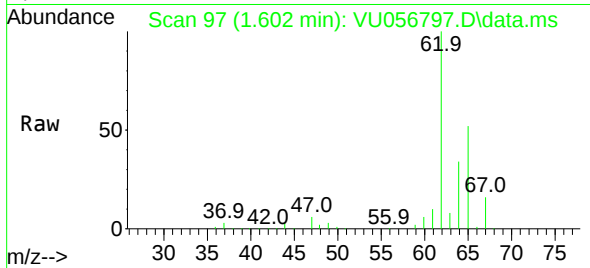




#5
 Vinyl chloride
 Concen: 4.980 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU056797.D
 Acq: 12 Dec 2023 19:46

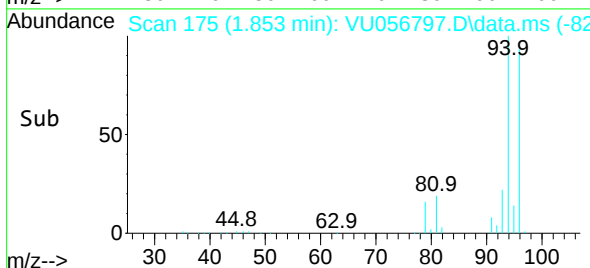
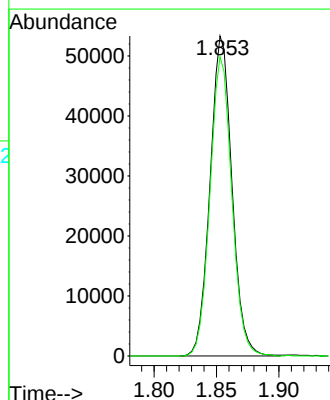
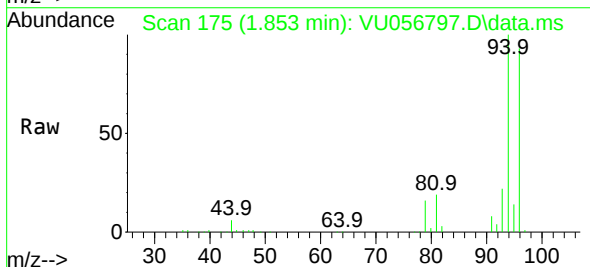
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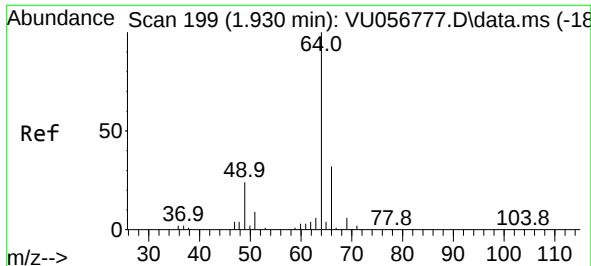
Tgt Ion: 62 Resp: 124657
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.8 42.4



#6
 Bromomethane
 Concen: 4.423 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.000 min
 Lab File: VU056797.D
 Acq: 12 Dec 2023 19:46

Tgt Ion: 94 Resp: 65274
 Ion Ratio Lower Upper
 94 100
 96 93.5 67.8 125.8

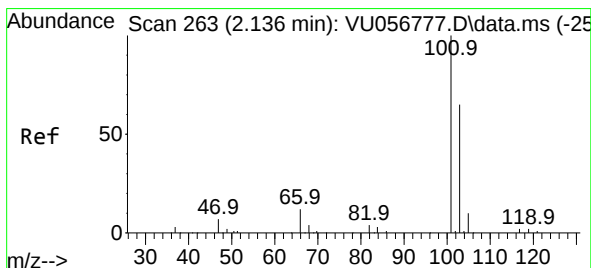
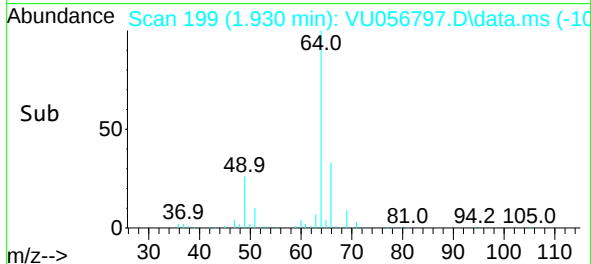
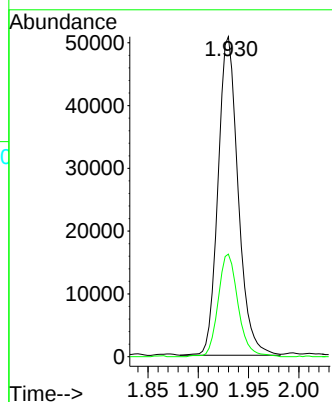
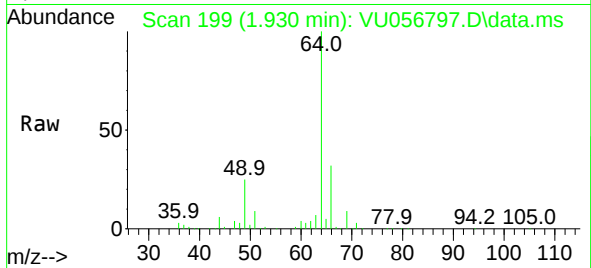




#8
Chloroethane
Concen: 4.807 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

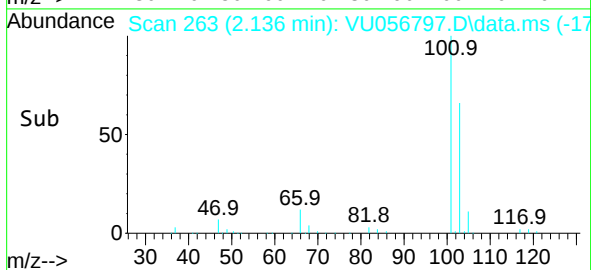
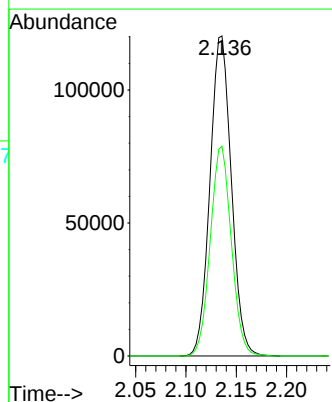
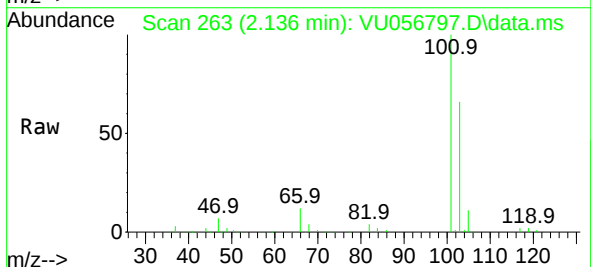
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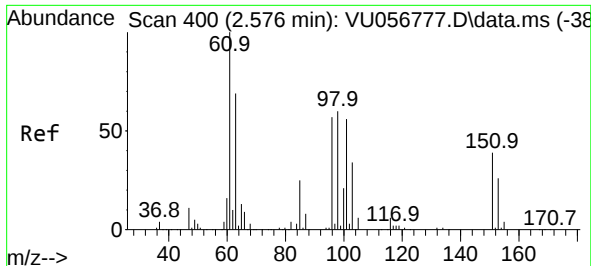
Tgt Ion: 64 Resp: 70483
Ion Ratio Lower Upper
64 100
66 32.1 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.036 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion:101 Resp: 177662
Ion Ratio Lower Upper
101 100
103 64.6 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.015 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

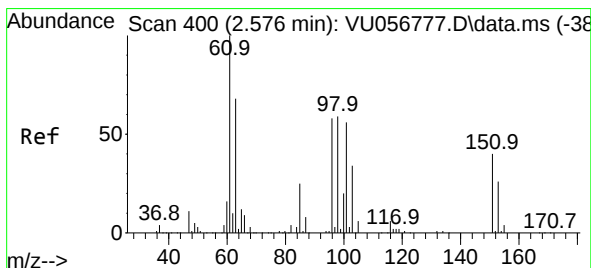
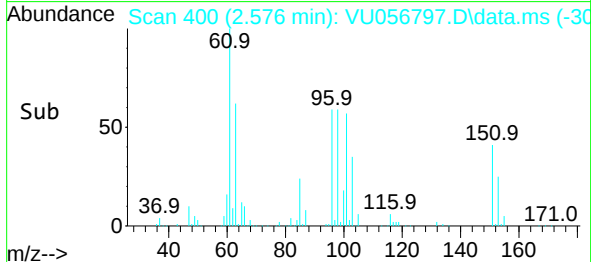
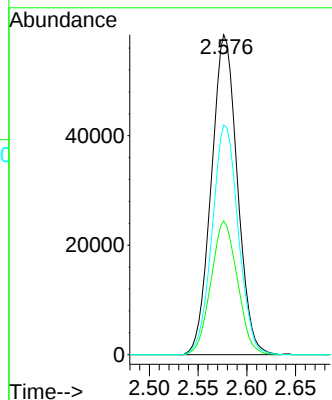
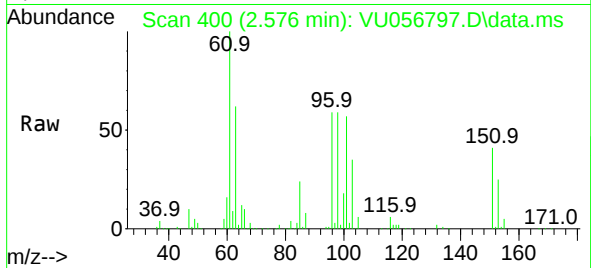
Tgt Ion:101 Resp: 108500

Ion Ratio Lower Upper

101 100

85 42.4 35.2 52.8

151 72.2 56.0 84.0



#12

1,1-Dichloroethene

Concen: 4.991 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

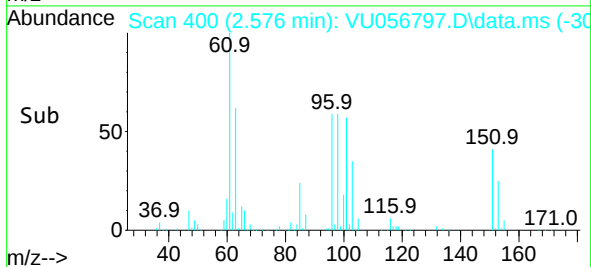
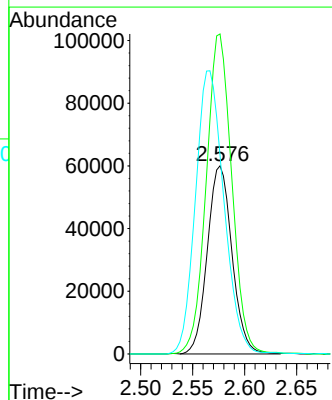
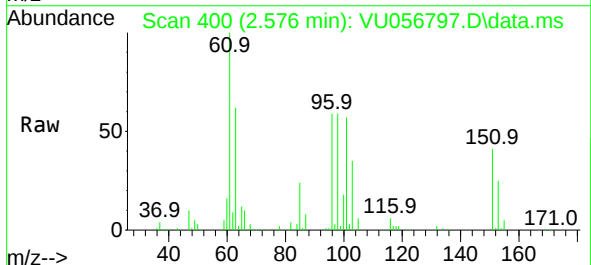
Tgt Ion: 96 Resp: 99127

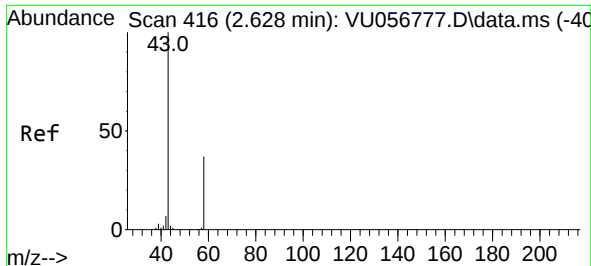
Ion Ratio Lower Upper

96 100

61 170.1 119.0 221.0

63 105.6 88.7 164.7





#13

Acetone

Concen: 47.439 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

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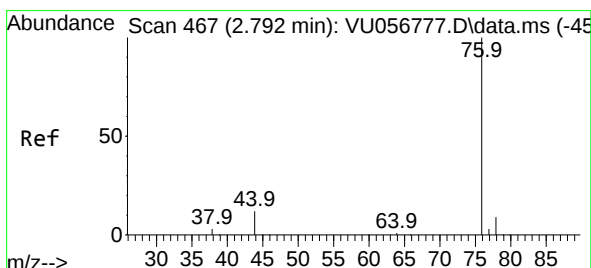
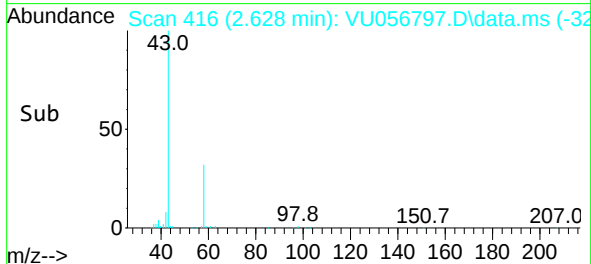
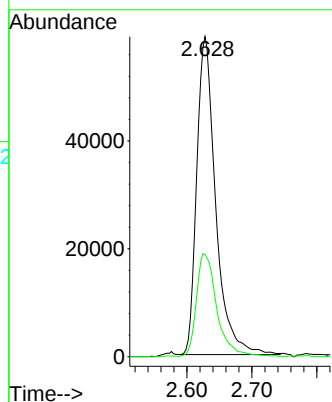
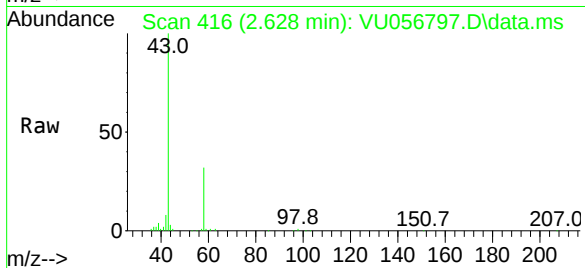
E0Y31MS

Tgt Ion: 43 Resp: 119718

Ion Ratio Lower Upper

43 100

58 35.1 0.0 72.6



#14

Carbon disulfide

Concen: 4.865 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU056797.D

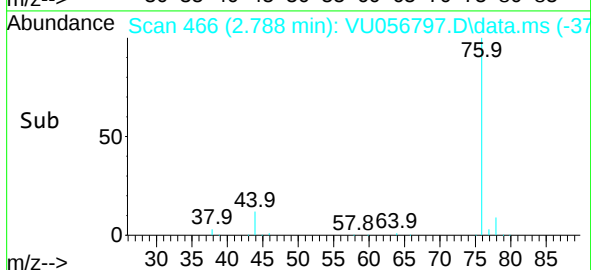
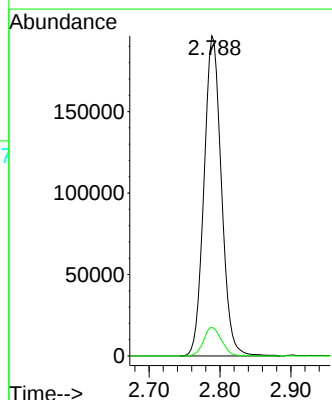
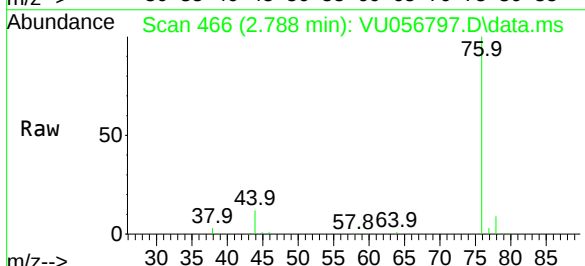
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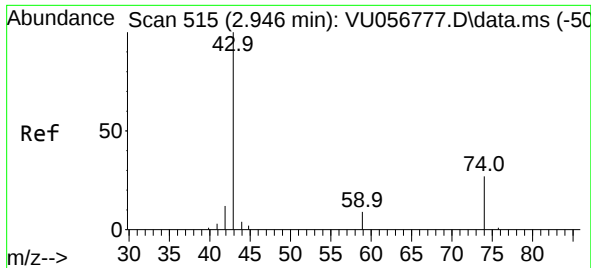
Tgt Ion: 76 Resp: 335238

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

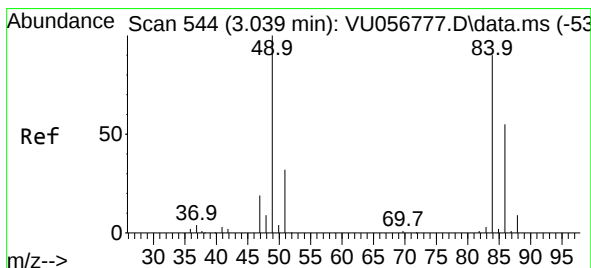
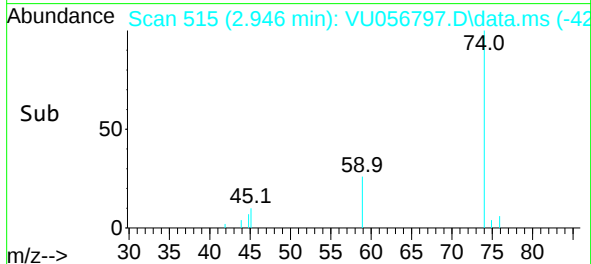
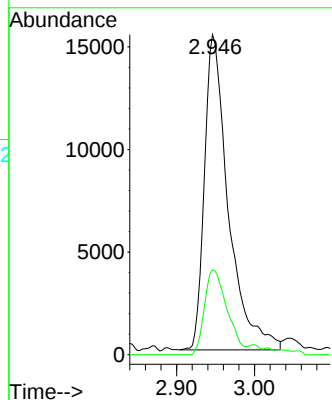
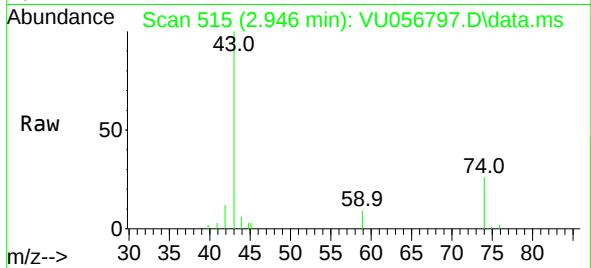




#15
Methyl Acetate
Concen: 4.775 ug/L
RT: 2.946 min Scan# 515
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

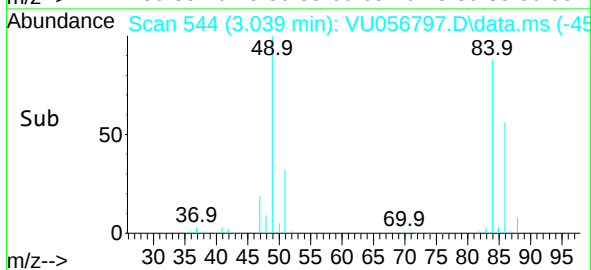
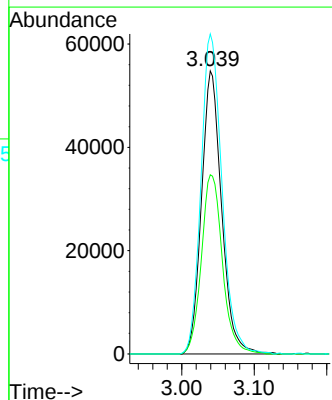
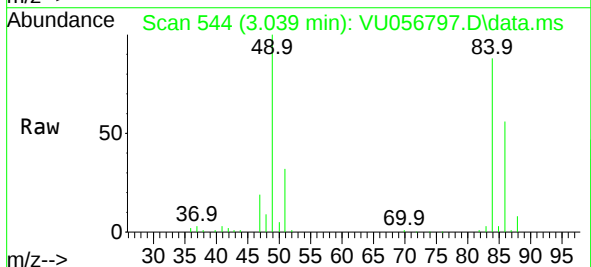
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

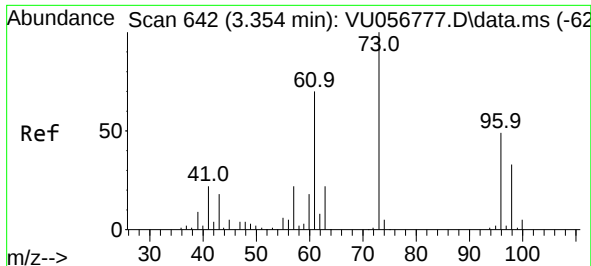
Tgt Ion: 43 Resp: 32803
Ion Ratio Lower Upper
43 100
74 25.4 21.0 31.6



#16
Methylene chloride
Concen: 4.874 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 84 Resp: 105461
Ion Ratio Lower Upper
84 100
86 63.3 43.6 81.0
49 113.1 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 5.145 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

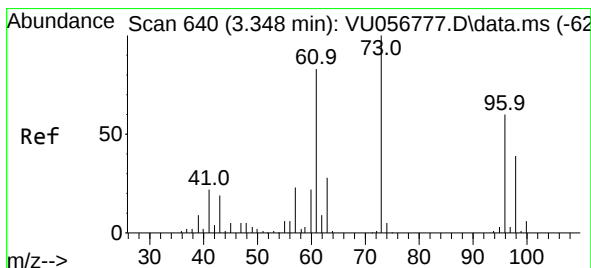
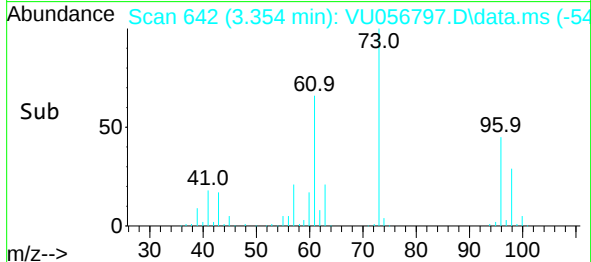
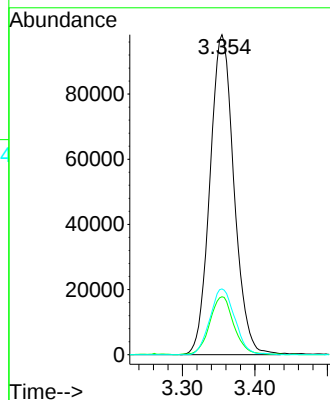
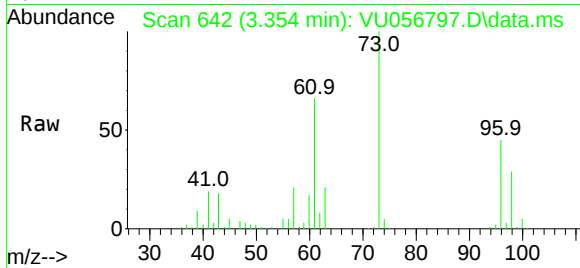
Tgt Ion: 73 Resp: 226575

Ion Ratio Lower Upper

73 100

43 18.2 14.4 21.6

57 21.1 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.989 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

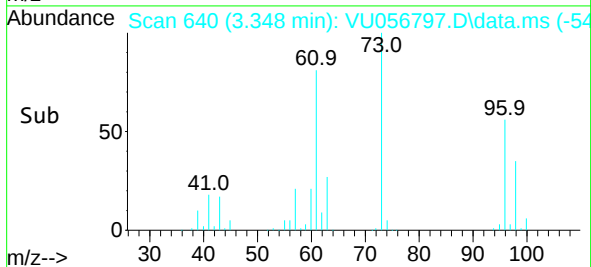
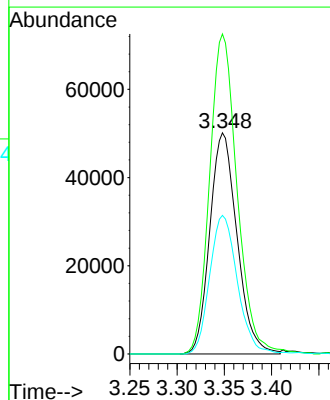
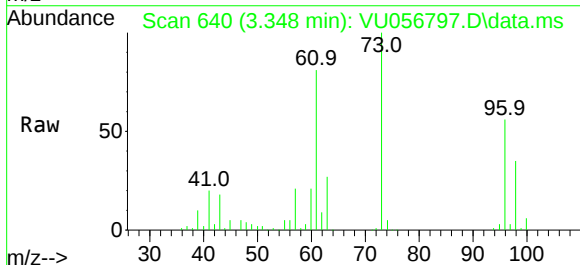
Tgt Ion: 96 Resp: 100460

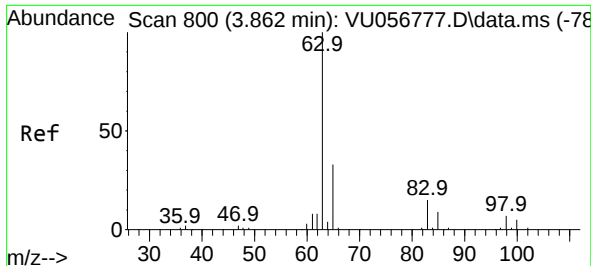
Ion Ratio Lower Upper

96 100

61 144.7 101.8 189.0

98 62.7 43.0 79.8

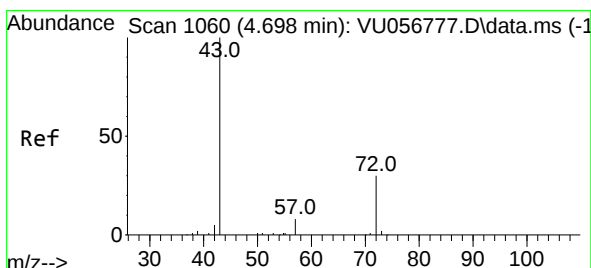
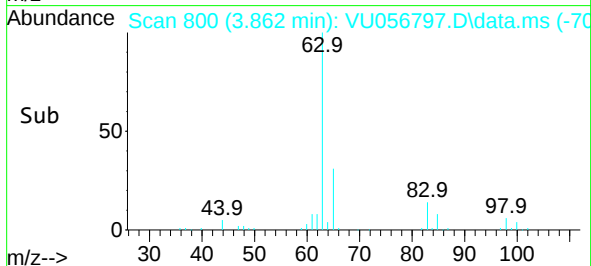
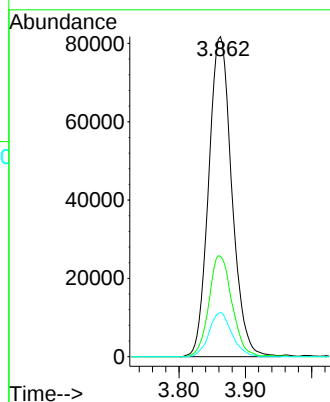
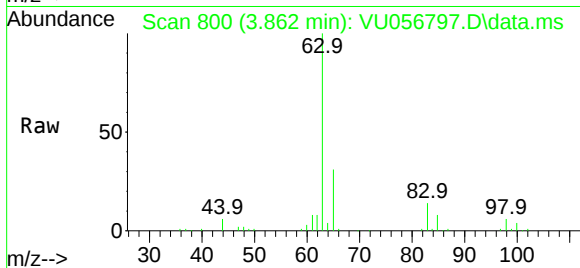




#19
1,1-Dichloroethane
Concen: 5.114 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

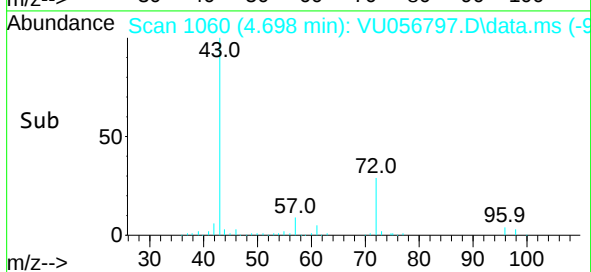
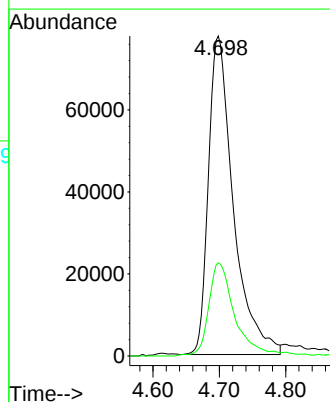
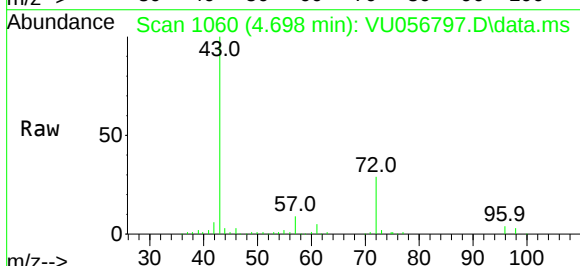
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

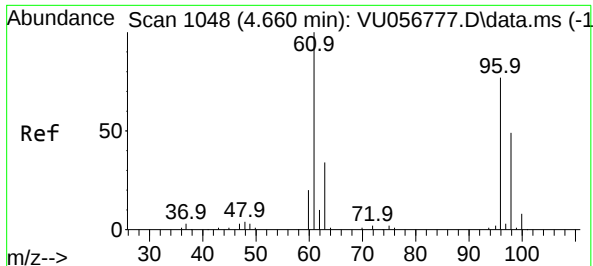
Tgt Ion: 63 Resp: 198094
Ion Ratio Lower Upper
63 100
65 31.4 22.9 42.5
83 13.8 10.1 18.9



#21
2-Butanone
Concen: 47.689 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 43 Resp: 202955
Ion Ratio Lower Upper
43 100
72 29.7 14.6 43.8

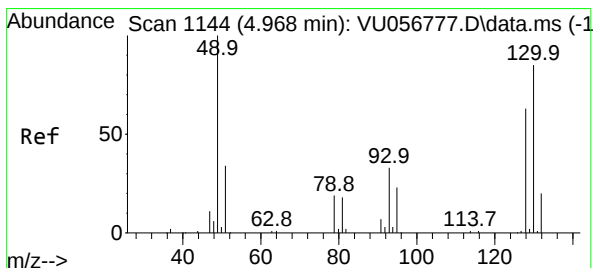
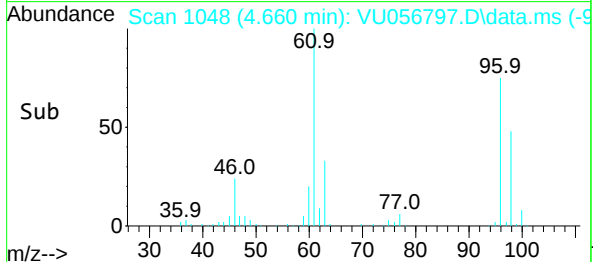
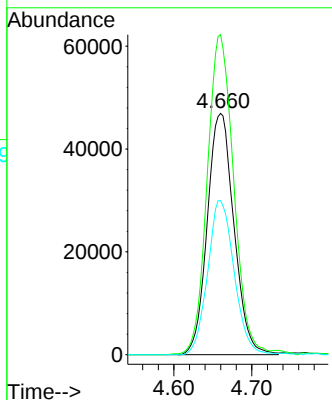
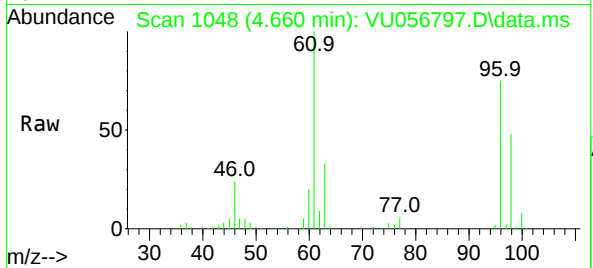




#22
cis-1,2-Dichloroethene
Concen: 5.097 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

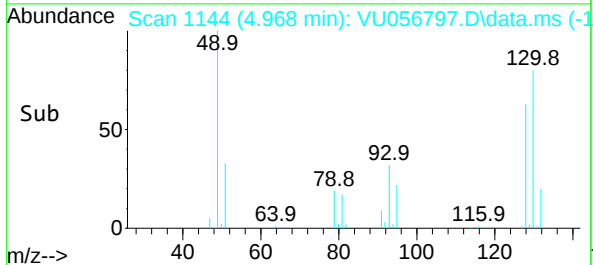
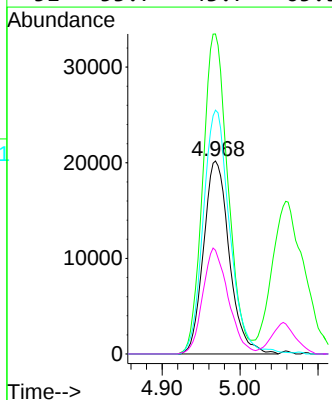
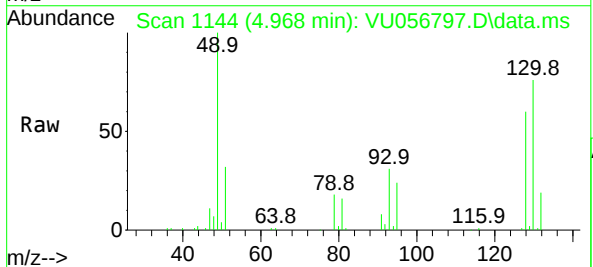
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

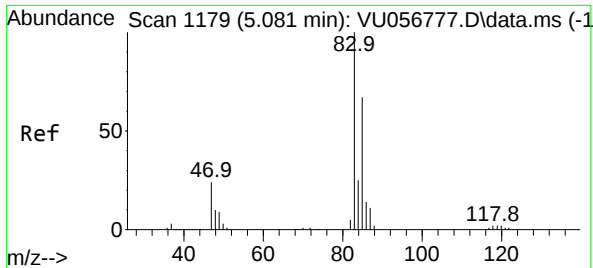
Tgt Ion: 96 Resp: 111669
Ion Ratio Lower Upper
96 100
61 132.6 91.3 169.6
98 63.8 44.2 82.0



#23
Bromochloromethane
Concen: 5.063 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 128 Resp: 46435
Ion Ratio Lower Upper
128 100
49 165.8 113.8 211.3
130 126.3 90.6 168.3
51 53.7 43.7 65.5

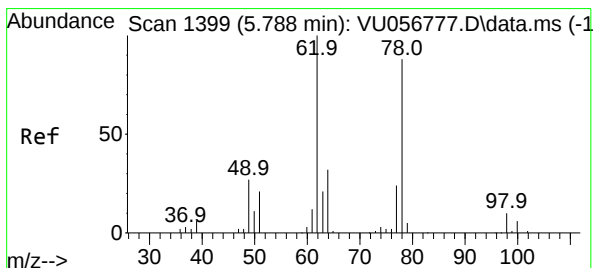
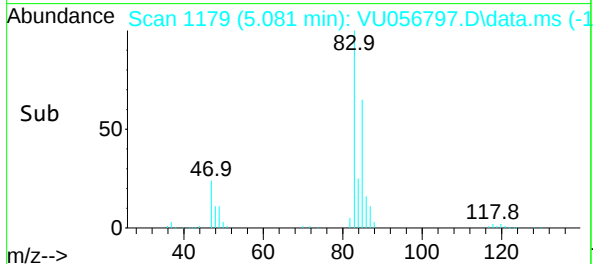
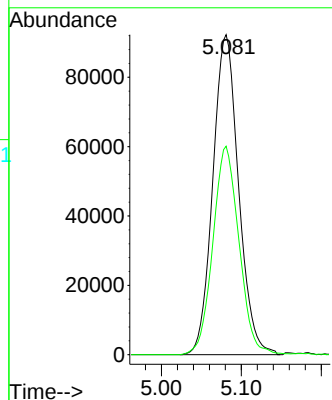
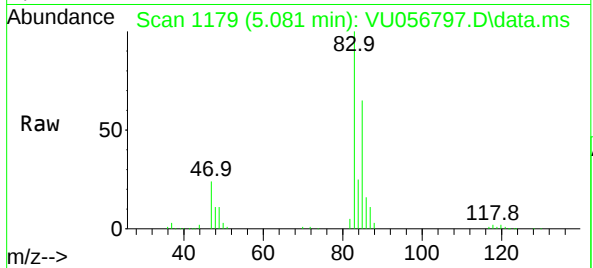




#25
Chloroform
Concen: 5.084 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

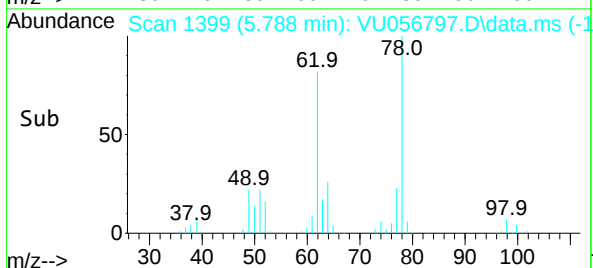
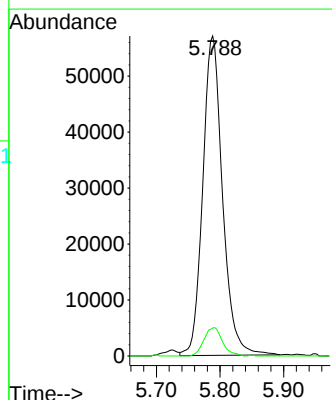
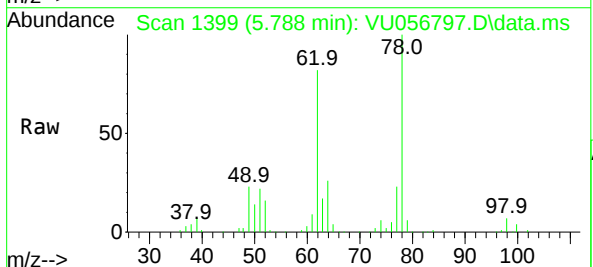
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

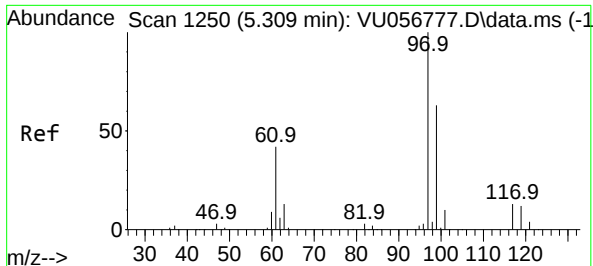
Tgt Ion: 83 Resp: 206290
Ion Ratio Lower Upper
83 100
85 65.2 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.134 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 62 Resp: 123206
Ion Ratio Lower Upper
62 100
98 8.7 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.307 ug/L

RT: 5.309 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

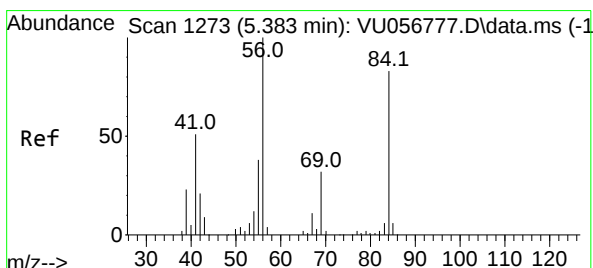
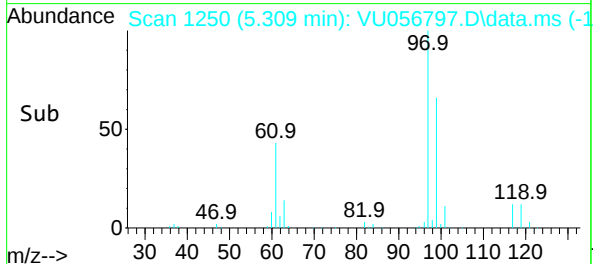
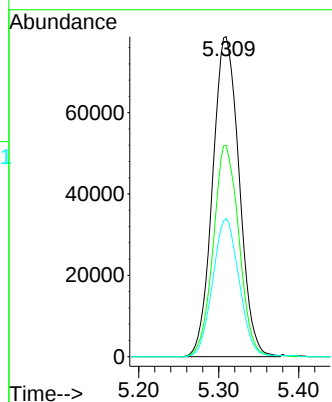
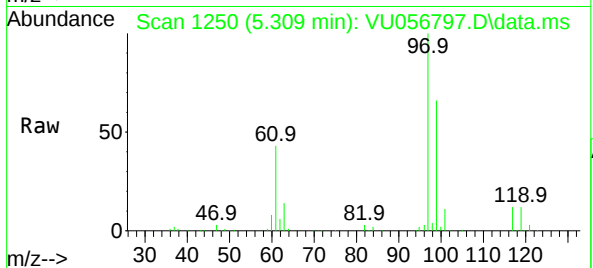
Tgt Ion: 97 Resp: 181346

Ion Ratio Lower Upper

97 100

99 63.8 52.5 78.7

61 42.9 34.2 51.2



#30

Cyclohexane

Concen: 5.149 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

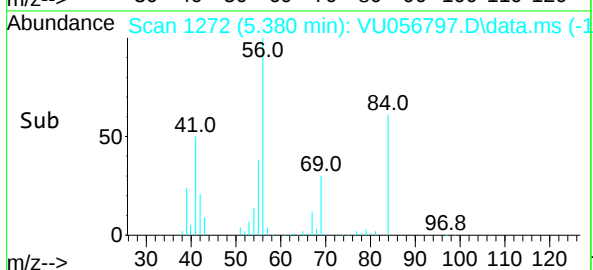
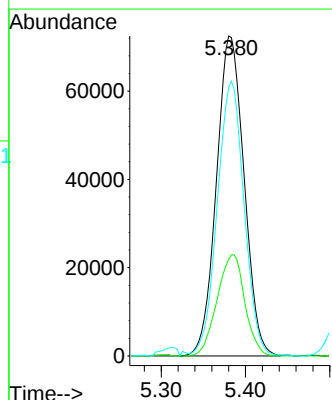
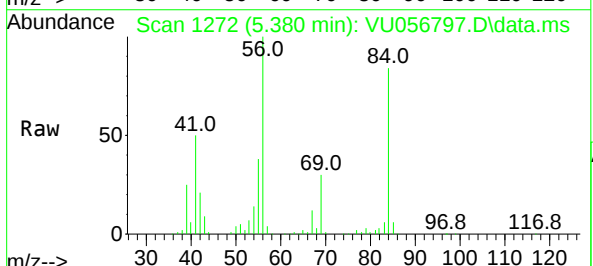
Tgt Ion: 56 Resp: 165106

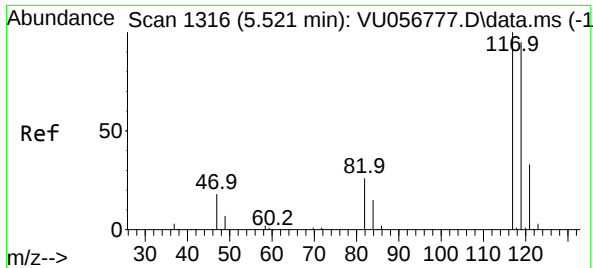
Ion Ratio Lower Upper

56 100

69 31.6 24.9 37.3

84 83.4 67.6 101.4

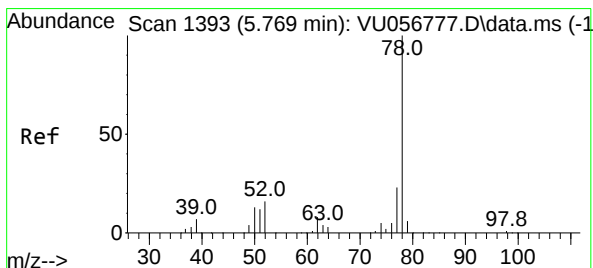
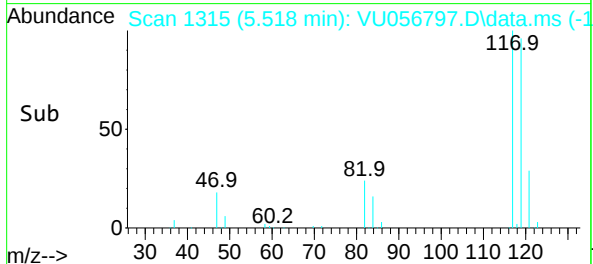
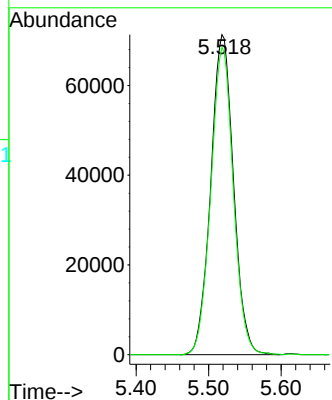
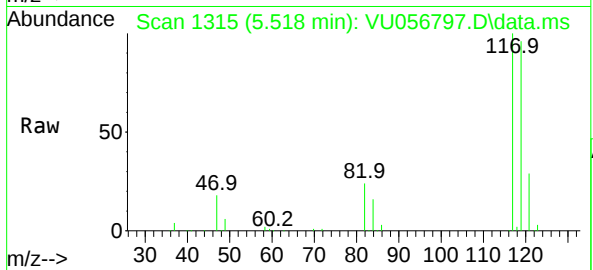




#31
Carbon tetrachloride
Concen: 5.237 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

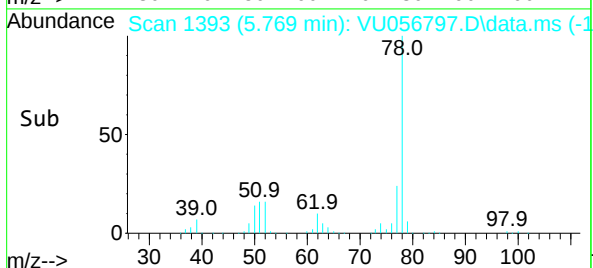
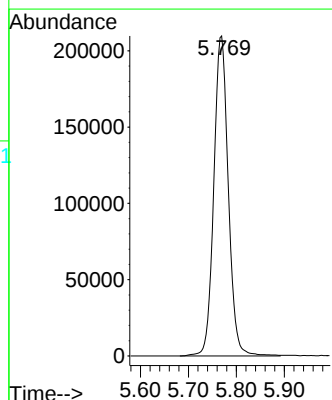
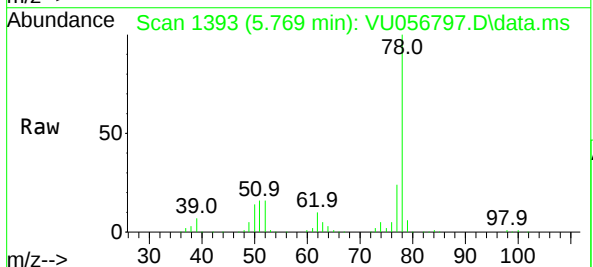
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

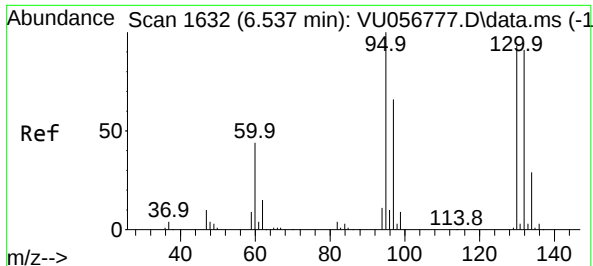
Tgt Ion:117 Resp: 155530
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.4



#33
Benzene
Concen: 5.305 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 78 Resp: 440739

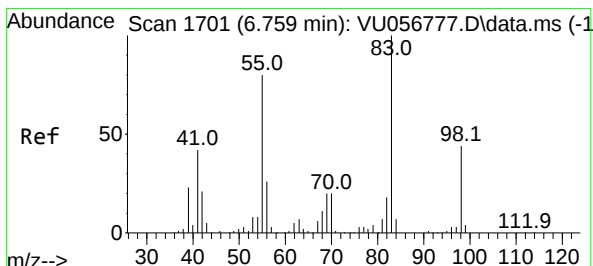
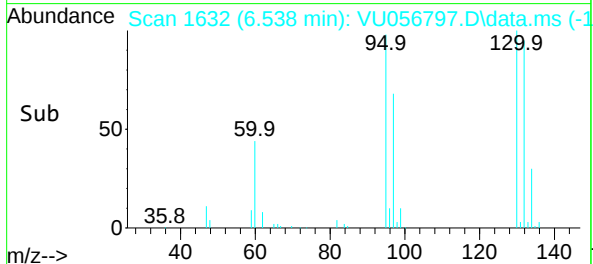
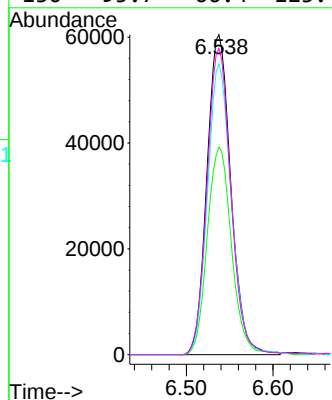
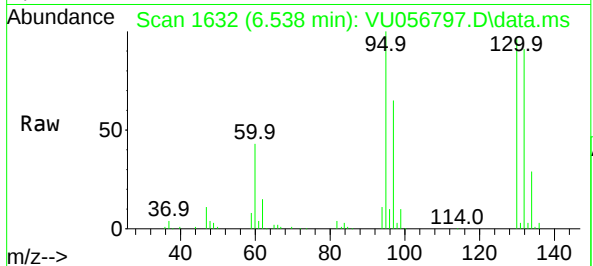




#34
Trichloroethene
Concen: 5.096 ug/L
RT: 6.538 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

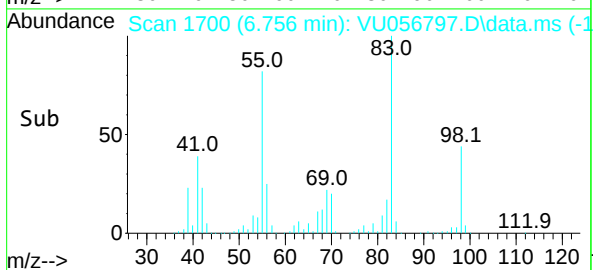
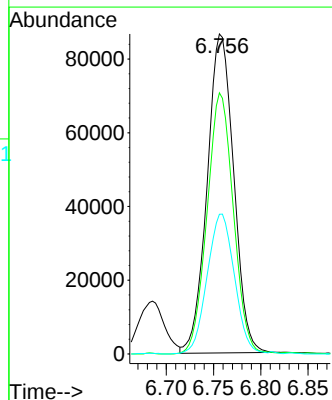
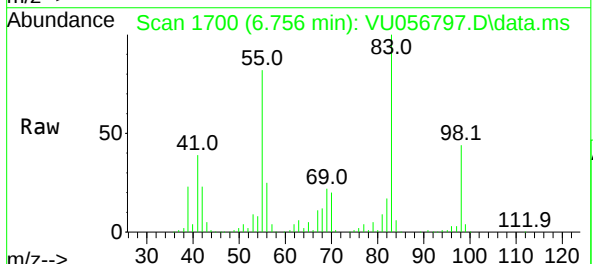
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

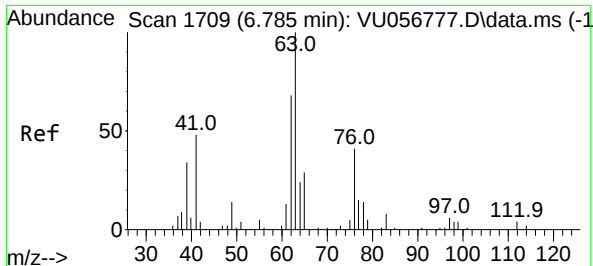
Tgt Ion: 95 Resp: 116127
Ion Ratio Lower Upper
95 100
97 64.9 46.1 85.5
132 90.9 63.6 118.0
130 95.7 66.4 123.4



#35
Methylcyclohexane
Concen: 5.028 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 83 Resp: 169086
Ion Ratio Lower Upper
83 100
55 81.2 64.6 97.0
98 45.1 36.1 54.1

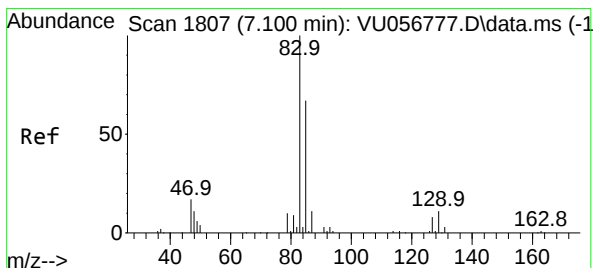
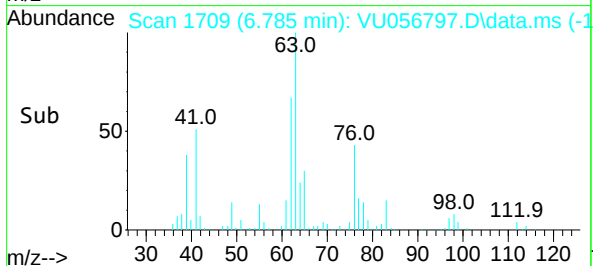
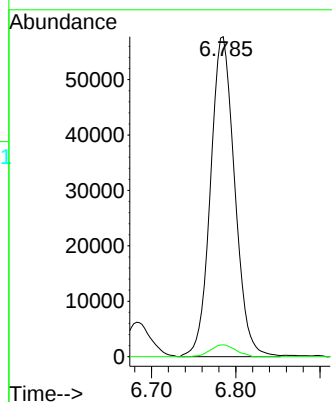
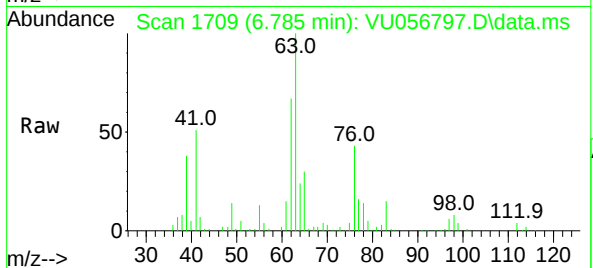




#37
1,2-Dichloropropane
Concen: 5.423 ug/L
RT: 6.785 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

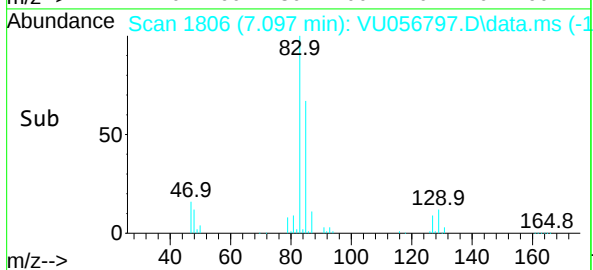
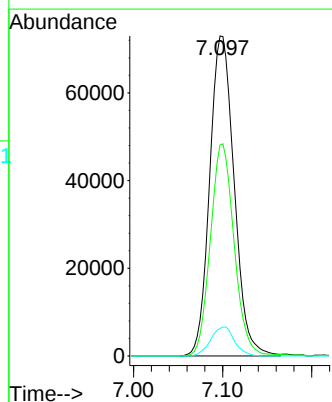
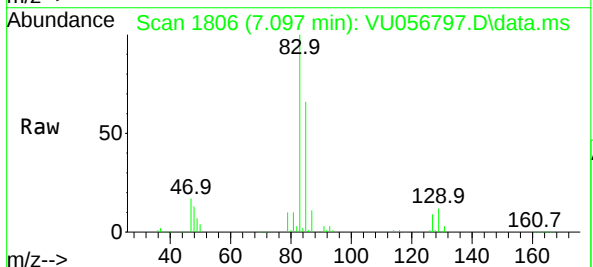
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

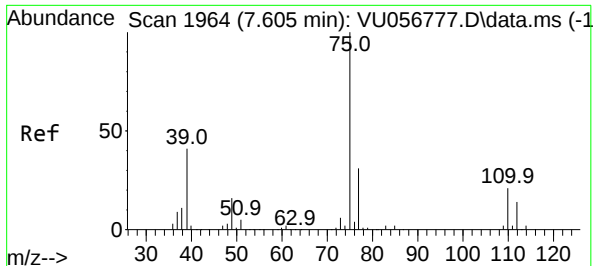
Tgt Ion: 63 Resp: 115234
Ion Ratio Lower Upper
63 100
112 3.9 3.3 4.9



#38
Bromodichloromethane
Concen: 5.137 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 83 Resp: 139201
Ion Ratio Lower Upper
83 100
85 66.0 45.0 83.6
127 8.6 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.134 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

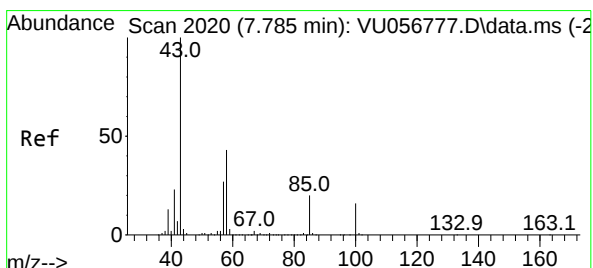
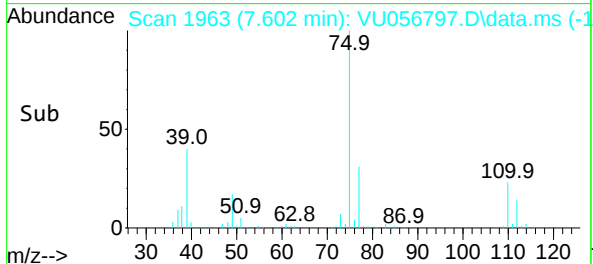
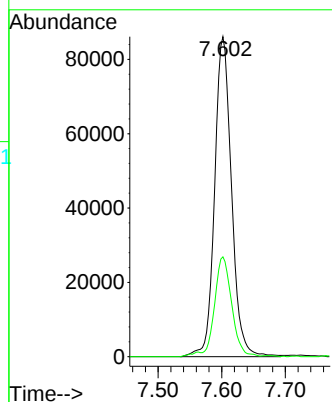
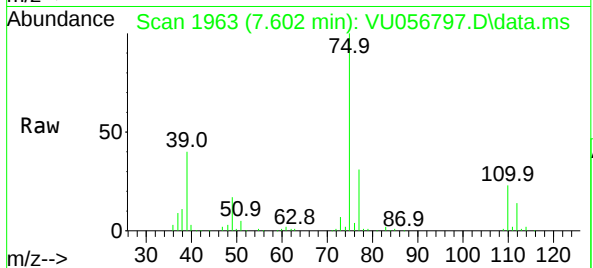
E0Y31MS

Tgt Ion: 75 Resp: 159006

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 52.350 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

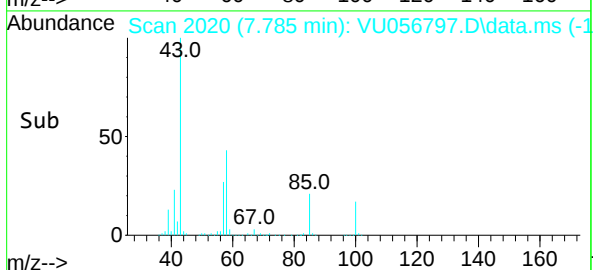
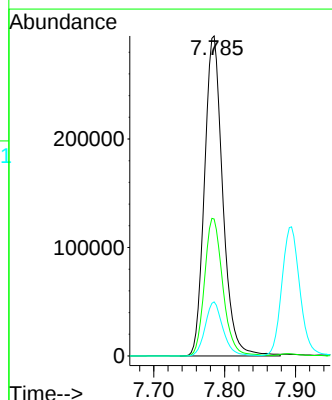
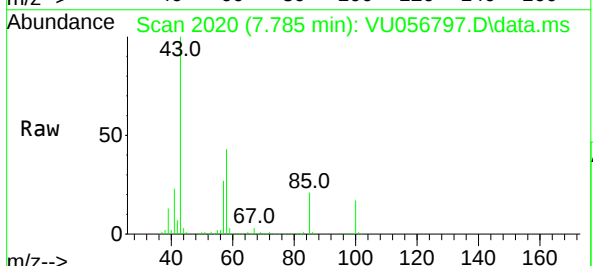
Tgt Ion: 43 Resp: 528251

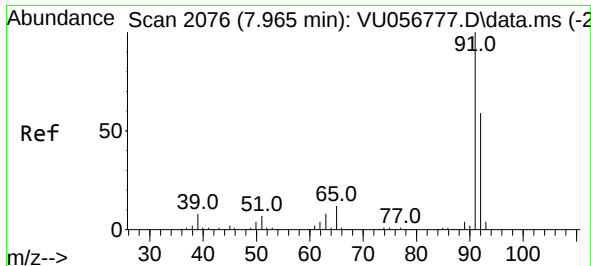
Ion Ratio Lower Upper

43 100

58 43.0 33.7 50.5

100 16.5 13.0 19.4





#42

Toluene

Concen: 6.070 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

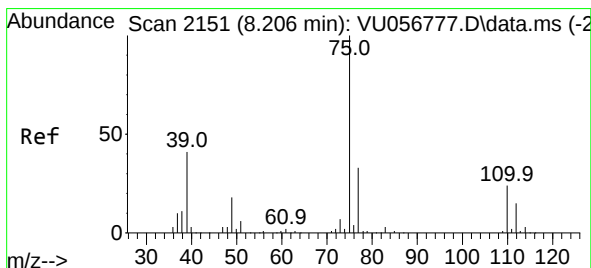
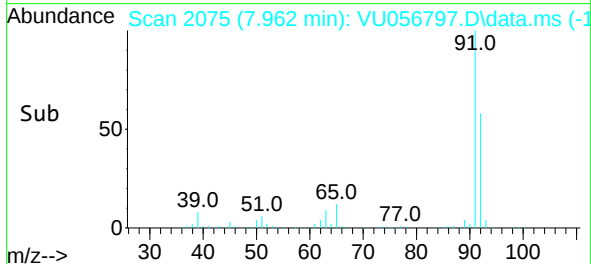
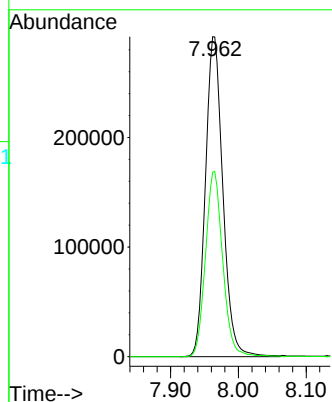
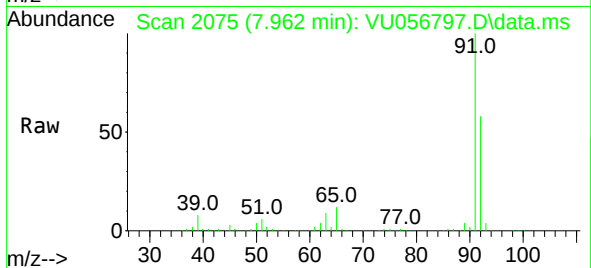
E0Y31MS

Tgt Ion: 91 Resp: 521746

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.080 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056797.D

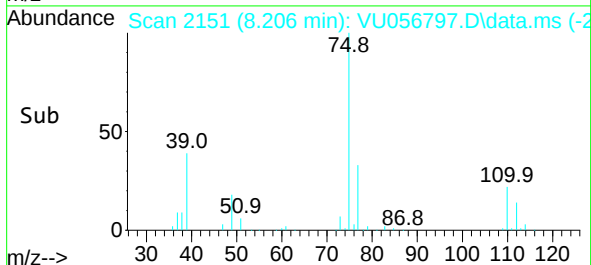
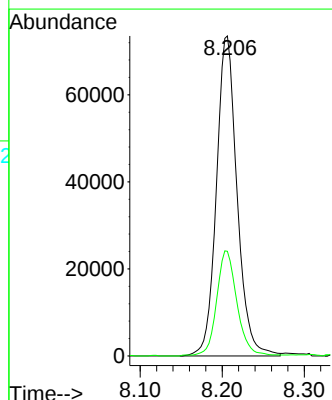
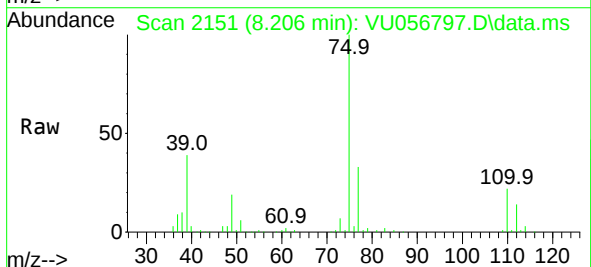
Acq: 12 Dec 2023 19:46

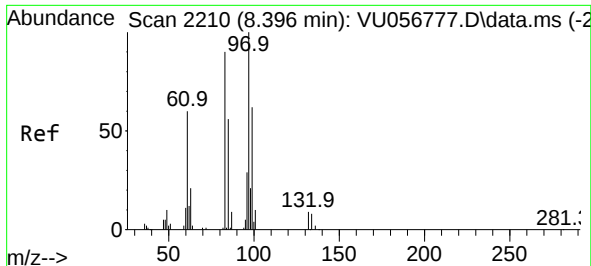
Tgt Ion: 75 Resp: 128941

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.4

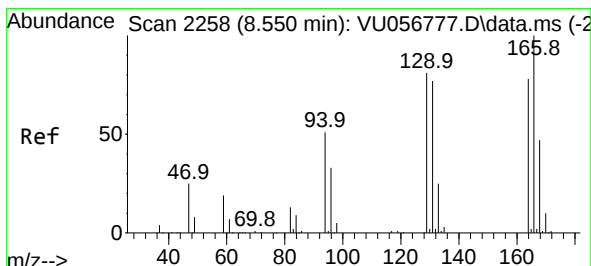
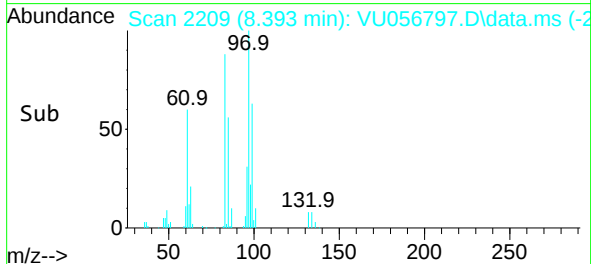
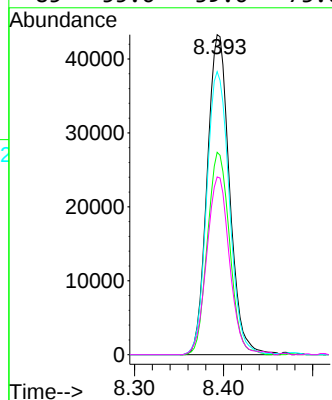
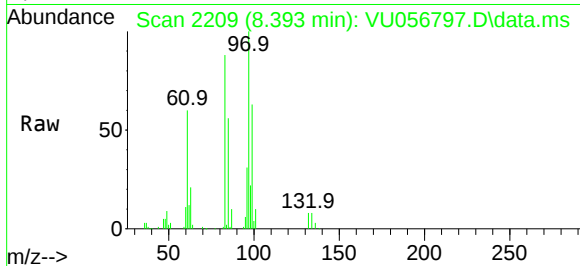




#45
1,1,2-Trichloroethane
Concen: 5.246 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

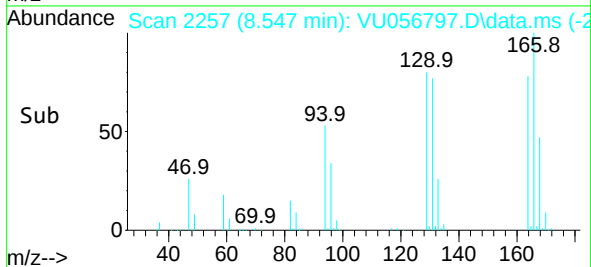
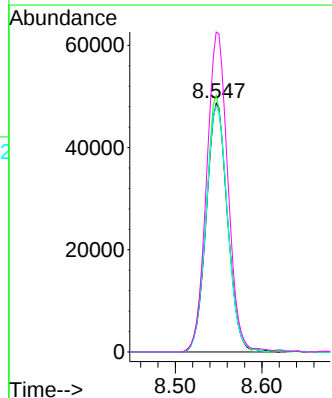
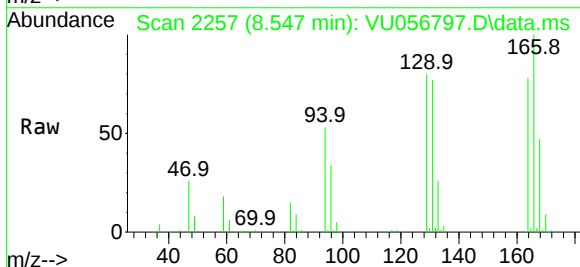
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

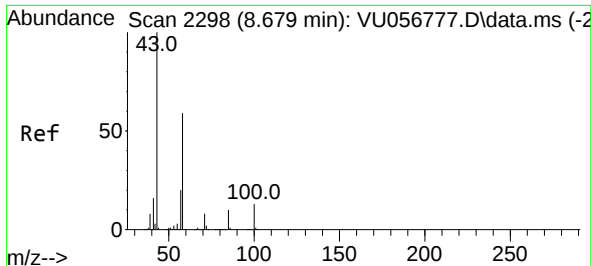
Tgt Ion: 97	Resp: 75371
Ion Ratio	Lower Upper
97 100	
99 63.2	41.9 77.9
83 88.4	59.1 109.7
85 55.6	39.6 73.6



#47
Tetrachloroethene
Concen: 5.225 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt	Ion:164	Resp:	83330
Ion	Ratio	Lower	Upper
164	100		
129	103.0	73.4	136.4
131	98.9	71.5	132.9
166	128.6	92.7	172.1

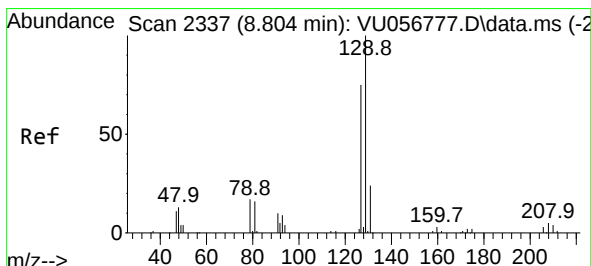
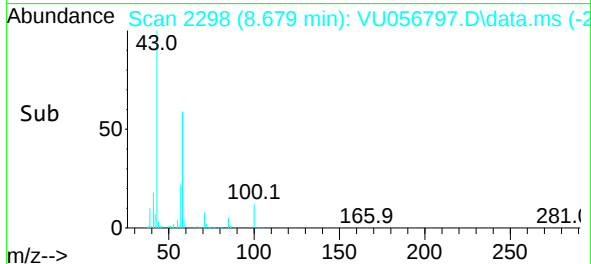
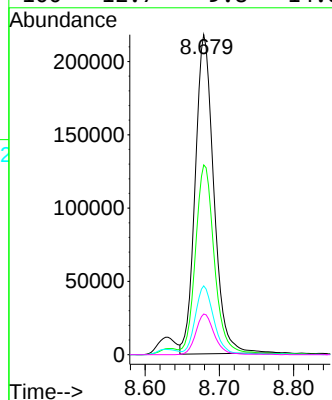
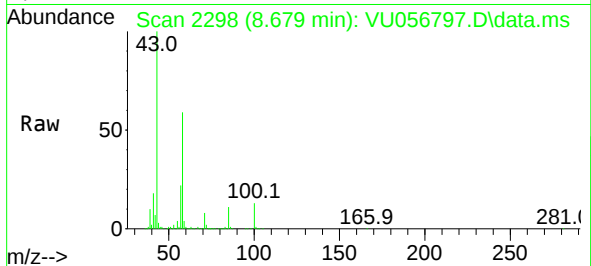




#48
2-Hexanone
Concen: 52.921 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

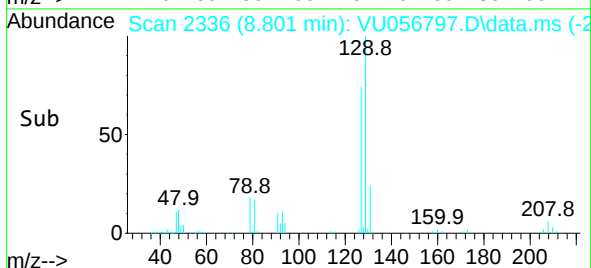
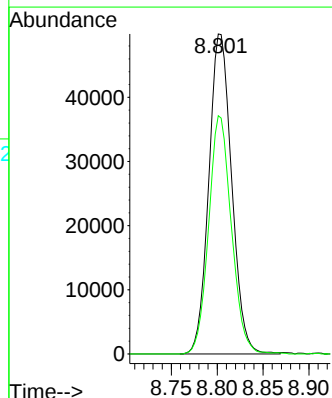
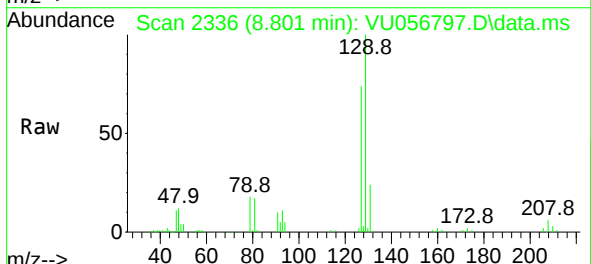
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

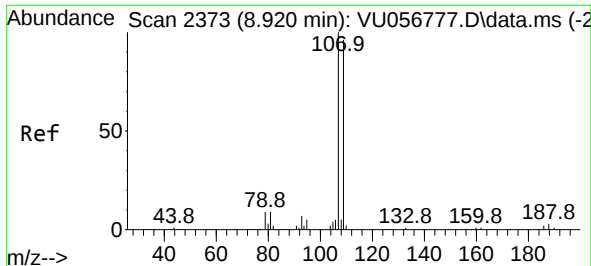
Tgt Ion: 43 Resp: 380338
Ion Ratio Lower Upper
43 100
58 59.6 47.5 71.3
57 21.2 17.0 25.4
100 12.7 9.8 14.8



#49
Dibromochloromethane
Concen: 5.241 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 129 Resp: 86553
Ion Ratio Lower Upper
129 100
127 74.4 53.9 100.1





#50

1,2-Dibromoethane

Concen: 5.214 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

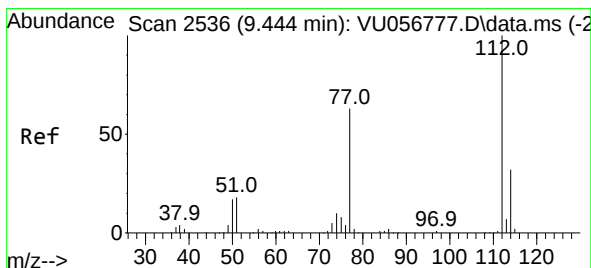
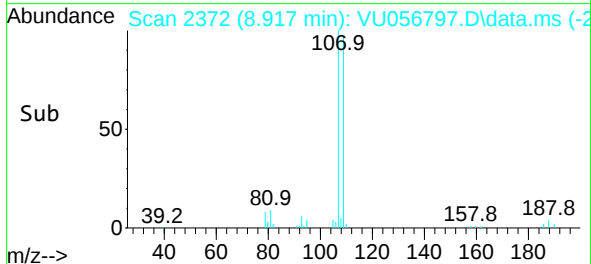
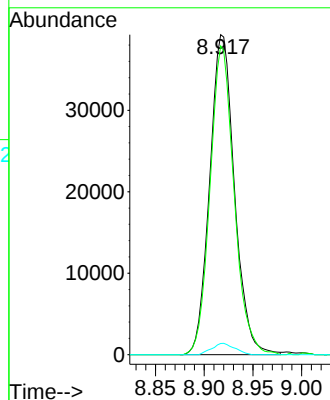
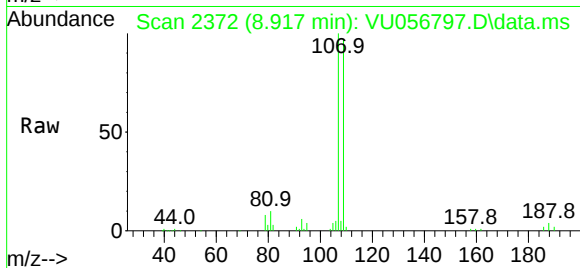
Tgt Ion:107 Resp: 69525

Ion Ratio Lower Upper

107 100

109 96.5 66.5 123.5

188 3.5 2.9 4.3



#51

Chlorobenzene

Concen: 5.175 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

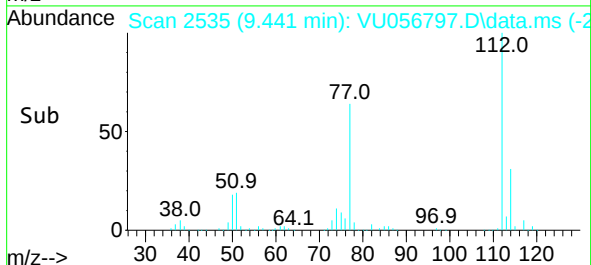
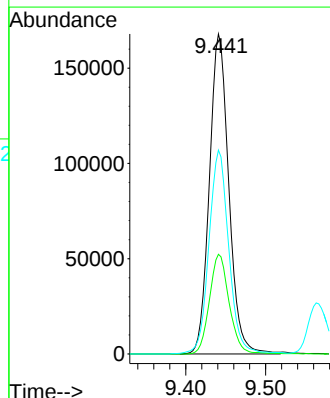
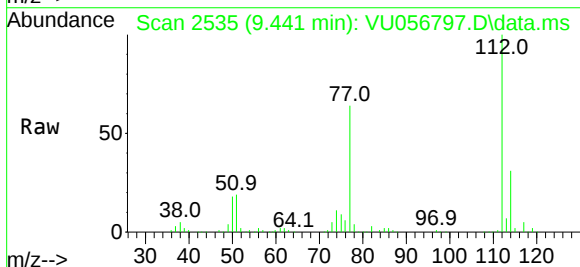
Tgt Ion:112 Resp: 283524

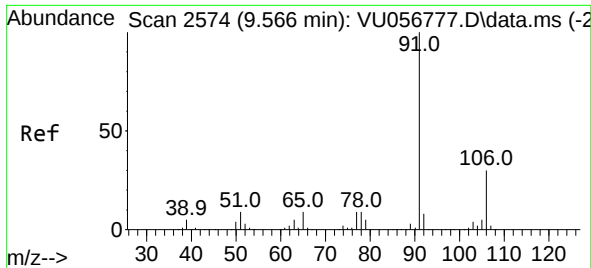
Ion Ratio Lower Upper

112 100

114 31.2 21.9 40.7

77 63.7 51.6 77.4

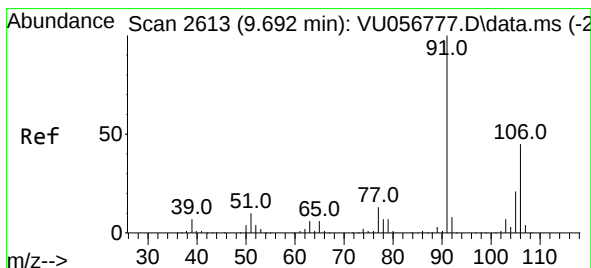
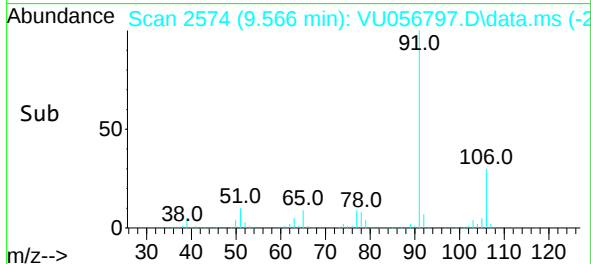
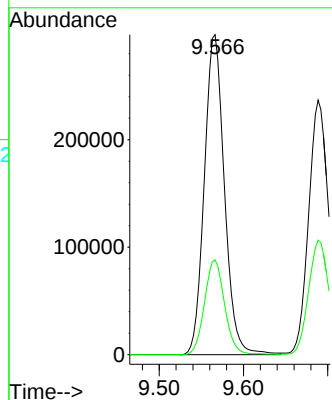
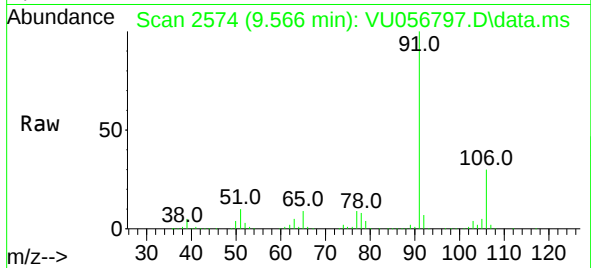




#52
Ethylbenzene
Concen: 5.218 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

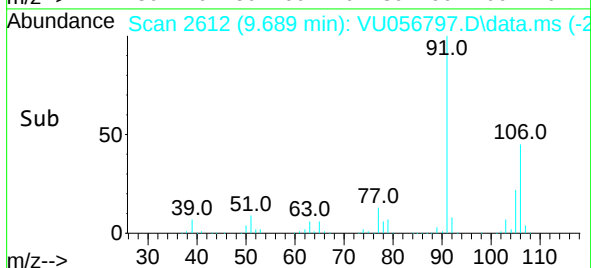
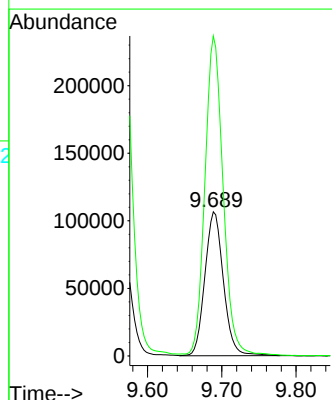
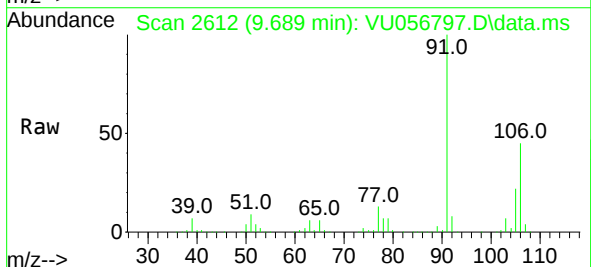
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

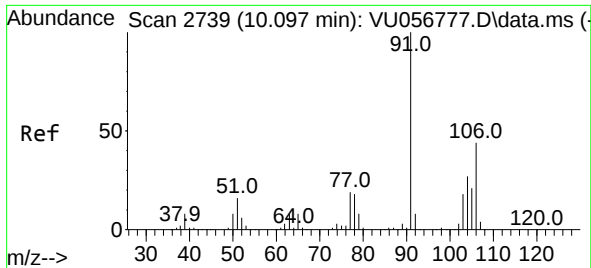
Tgt Ion: 91 Resp: 494806
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.4



#53
m,p-Xylene
Concen: 5.222 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion: 106 Resp: 184464
Ion Ratio Lower Upper
106 100
91 222.1 154.0 286.0

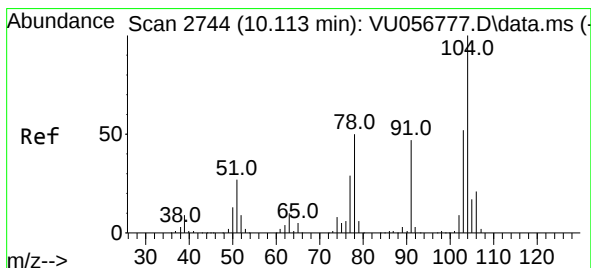
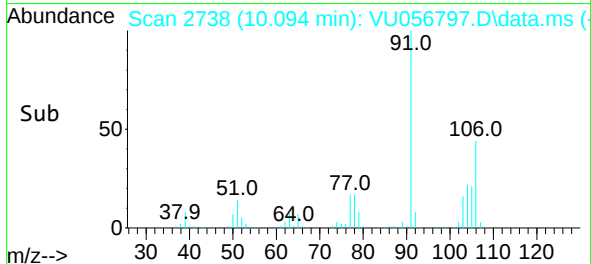
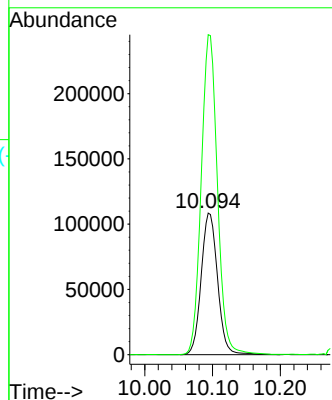
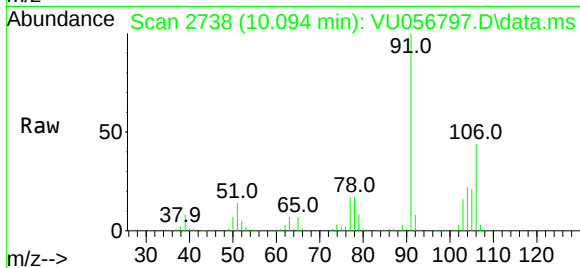




#54
o-Xylene
Concen: 5.394 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

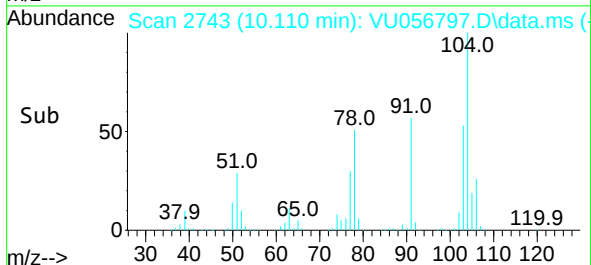
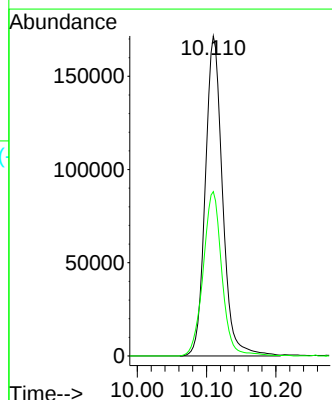
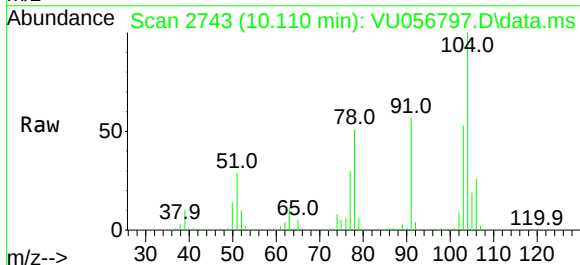
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

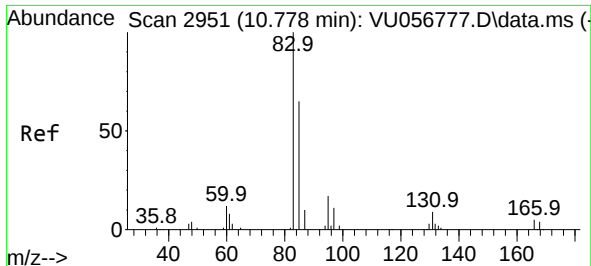
Tgt Ion:106 Resp: 181545
Ion Ratio Lower Upper
106 100
91 226.1 160.2 297.6



#55
Styrene
Concen: 5.364 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion:104 Resp: 296445
Ion Ratio Lower Upper
104 100
78 51.4 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.191 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

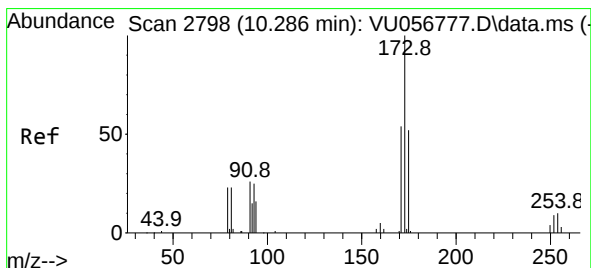
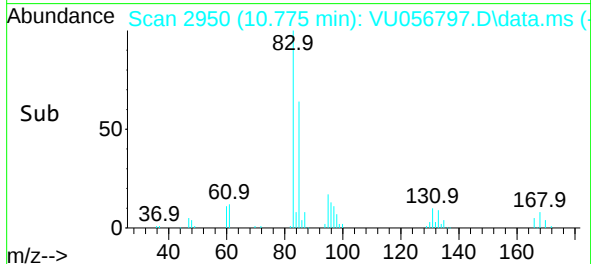
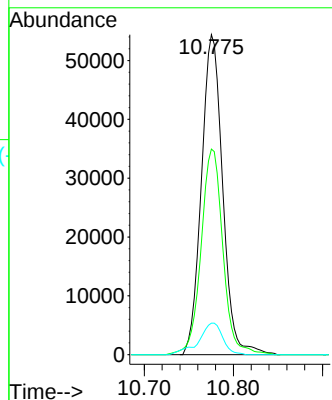
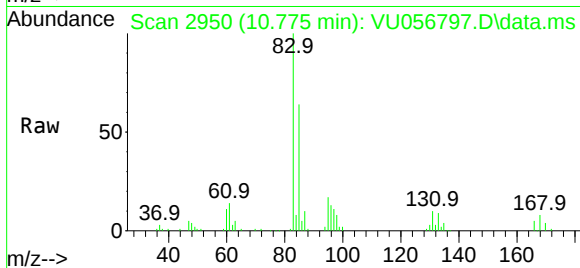
Tgt Ion: 83 Resp: 90106

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.4

131 9.8 6.6 9.8



#59

Bromoform

Concen: 4.767 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

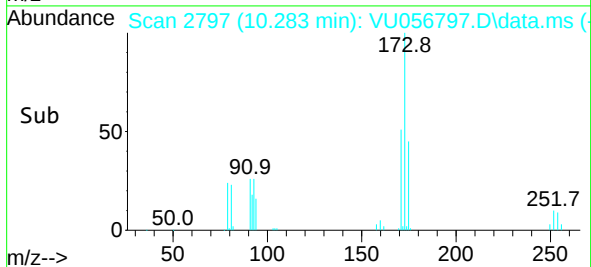
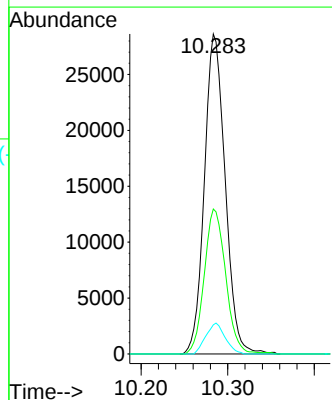
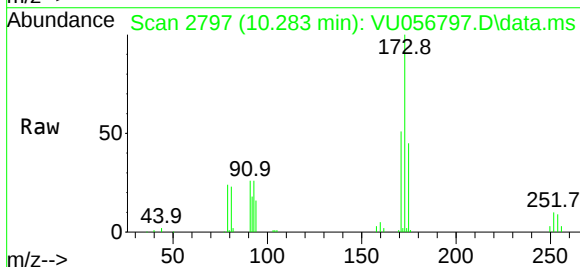
Tgt Ion: 173 Resp: 47792

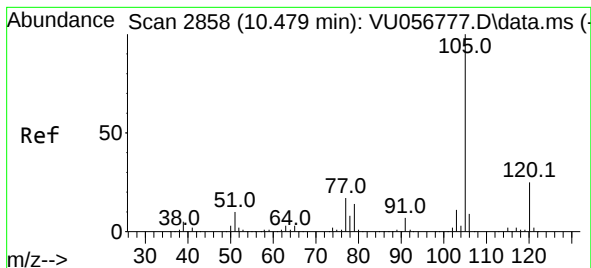
Ion Ratio Lower Upper

173 100

175 46.5 38.2 57.2

254 8.9 7.0 10.4





#60

Isopropylbenzene

Concen: 4.923 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

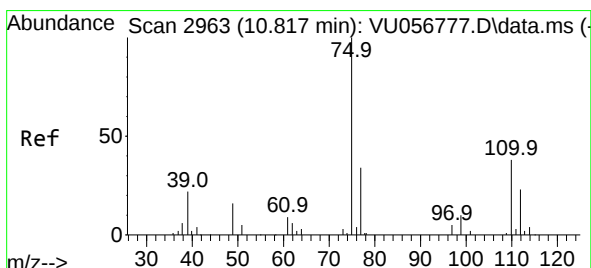
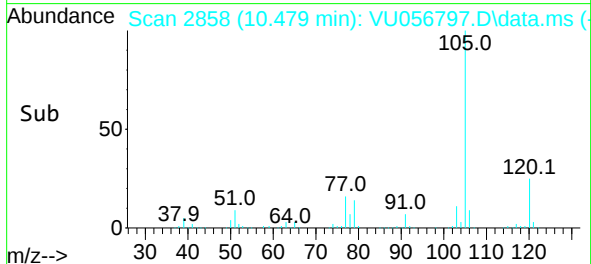
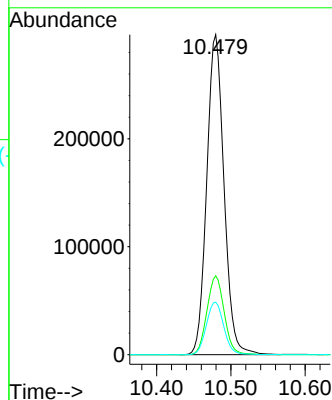
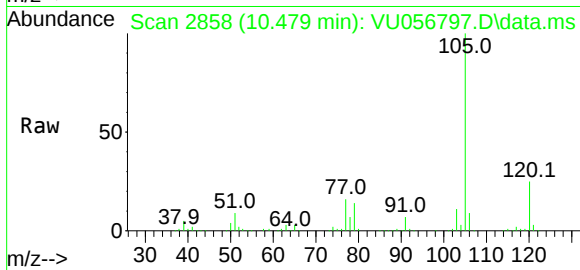
Tgt Ion:105 Resp: 477631

Ion Ratio Lower Upper

105 100

120 24.7 20.1 30.1

77 16.7 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 4.686 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

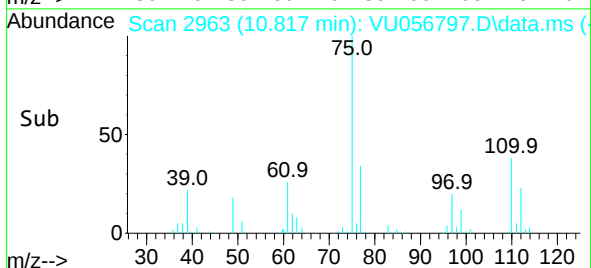
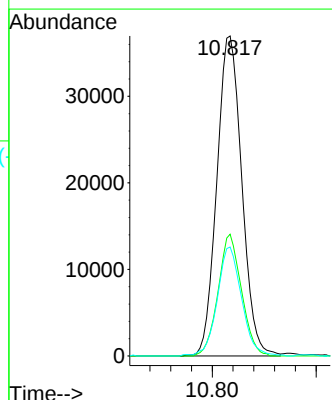
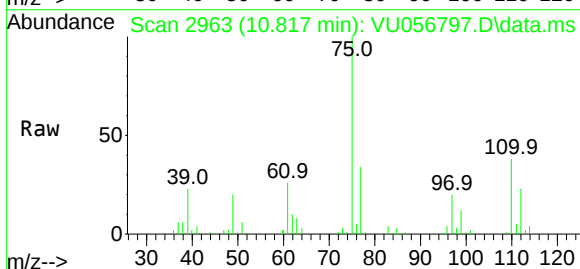
Tgt Ion: 75 Resp: 61789

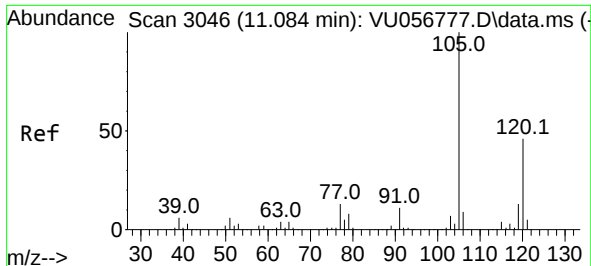
Ion Ratio Lower Upper

75 100

110 35.5 28.4 42.6

77 33.2 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.841 ug/L

RT: 11.081 min Scan# 3046

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

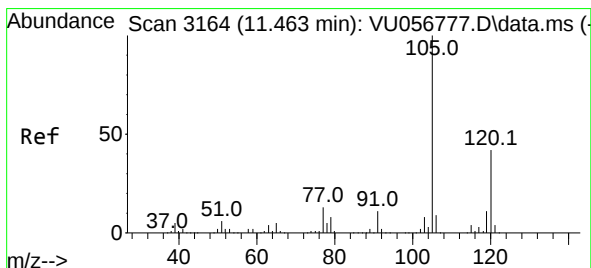
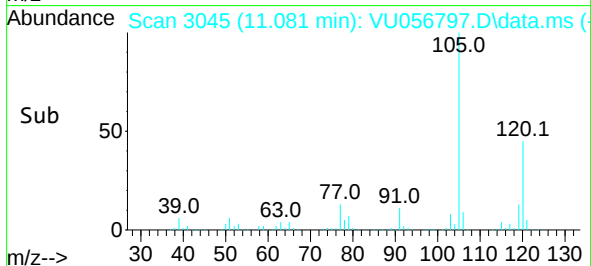
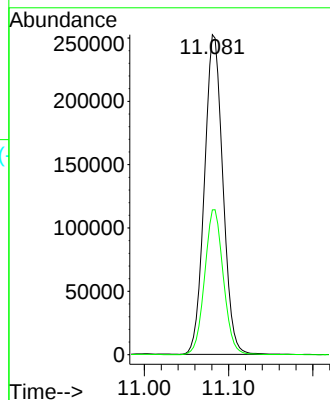
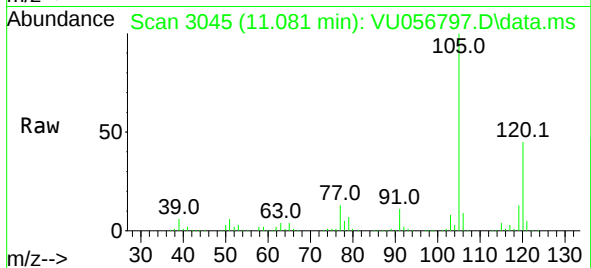
E0Y31MS

Tgt Ion:105 Resp: 383825

Ion Ratio Lower Upper

105 100

120 46.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 4.879 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056797.D

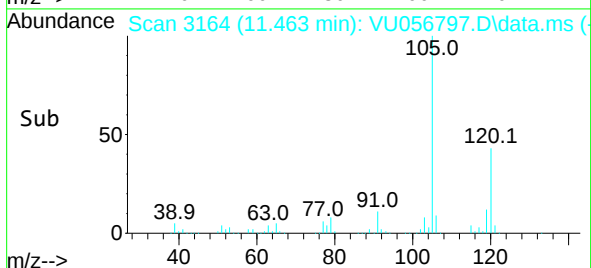
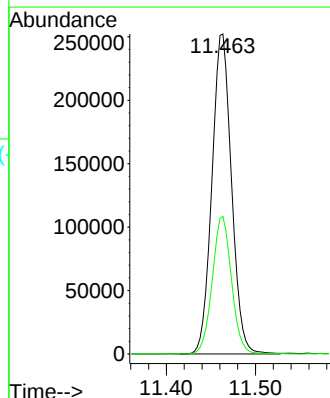
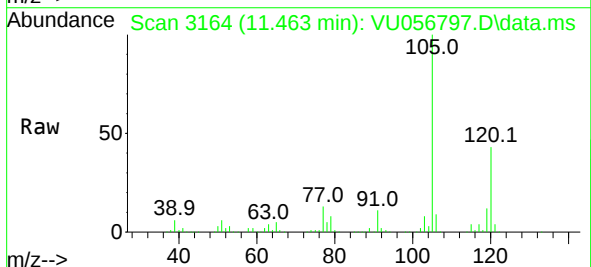
Acq: 12 Dec 2023 19:46

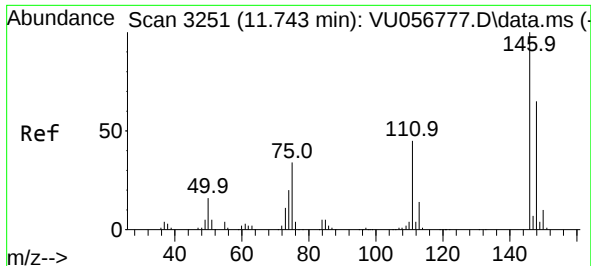
Tgt Ion:105 Resp: 384243

Ion Ratio Lower Upper

105 100

120 42.2 34.2 51.4

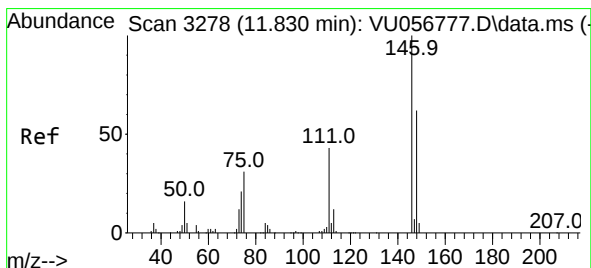
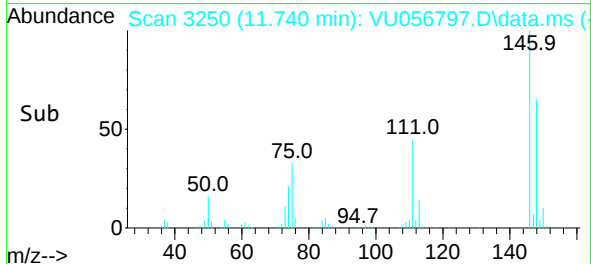
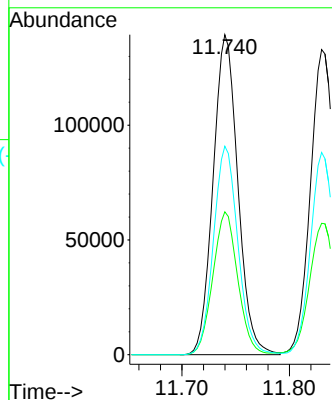
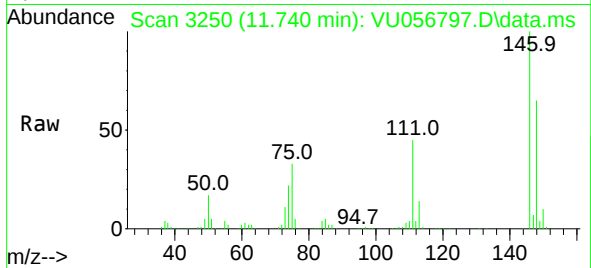




#64
1,3-Dichlorobenzene
Concen: 4.868 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

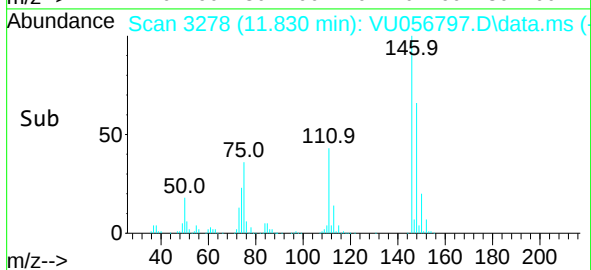
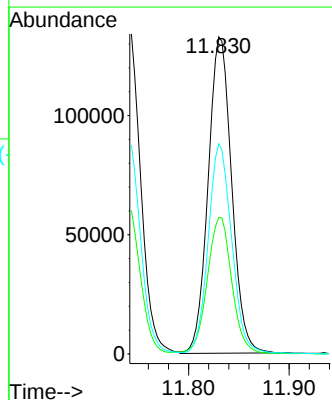
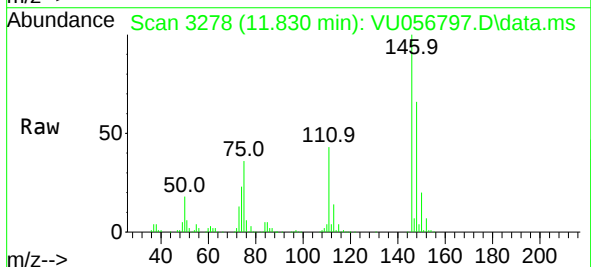
Instrument :
MSVOA_U
ClientSampleId :
E0Y31MS

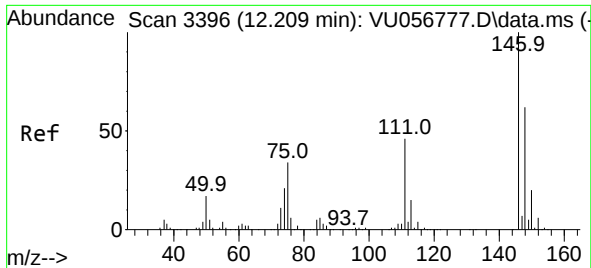
Tgt Ion:146 Resp: 223419
Ion Ratio Lower Upper
146 100
111 44.7 31.7 58.9
148 65.1 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.774 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU056797.D
Acq: 12 Dec 2023 19:46

Tgt Ion:146 Resp: 215753
Ion Ratio Lower Upper
146 100
111 43.0 31.2 58.0
148 66.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.807 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

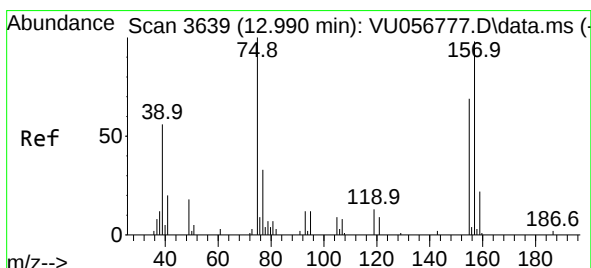
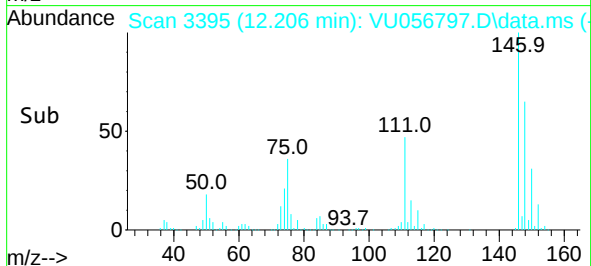
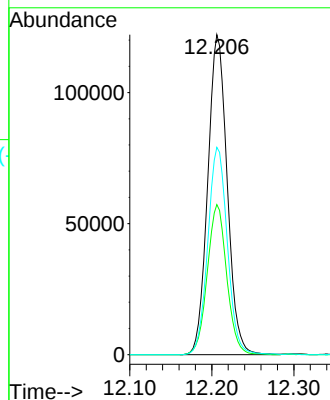
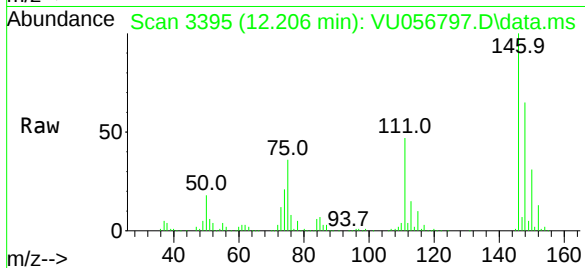
Tgt Ion:146 Resp: 200953

Ion Ratio Lower Upper

146 100

111 46.9 36.9 55.3

148 64.8 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.710 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

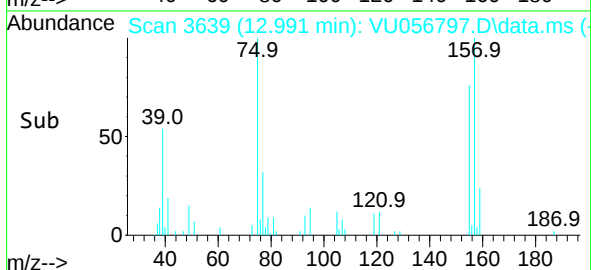
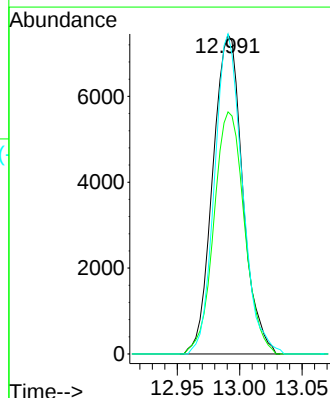
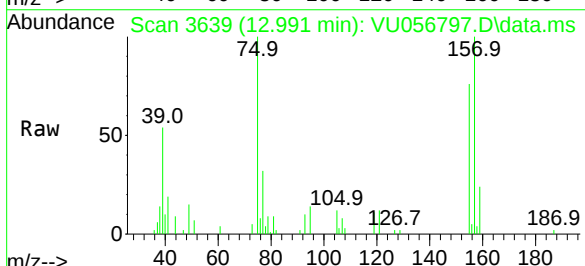
Tgt Ion: 75 Resp: 12399

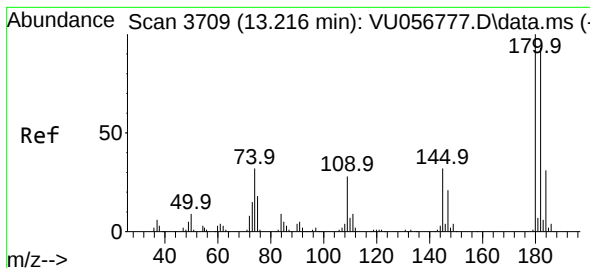
Ion Ratio Lower Upper

75 100

155 75.8 55.4 83.2

157 100.2 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.394 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

Tgt Ion:180 Resp: 152380

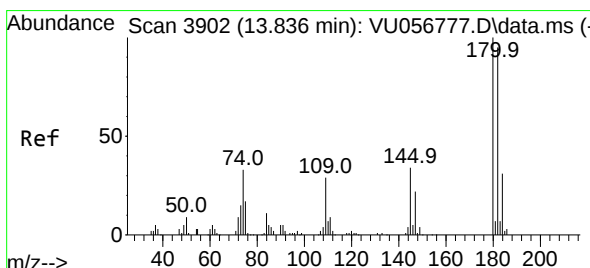
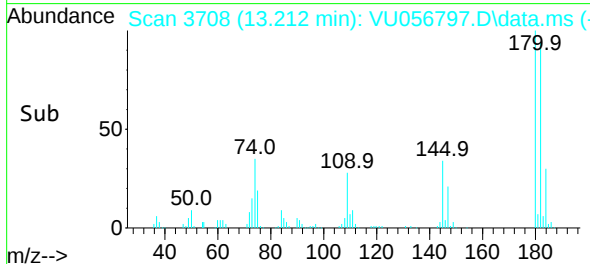
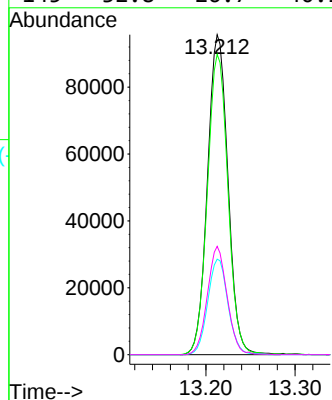
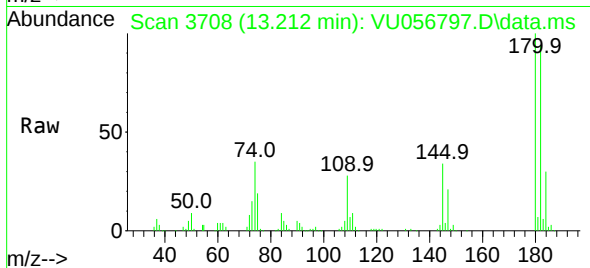
Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

184 29.7 24.6 37.0

145 32.8 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.141 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

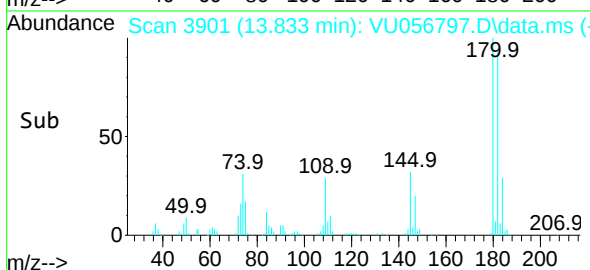
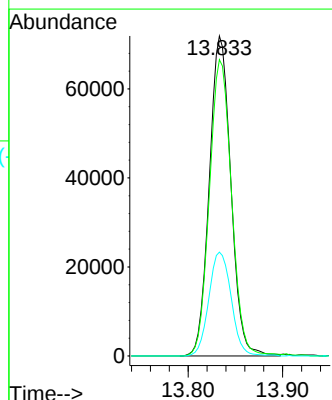
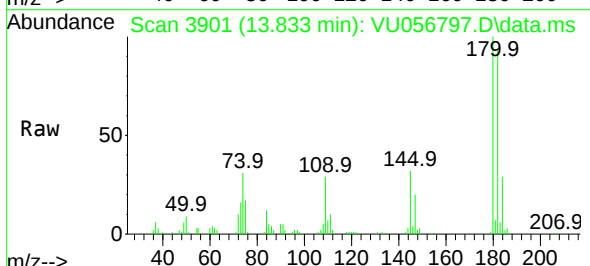
Tgt Ion:180 Resp: 113705

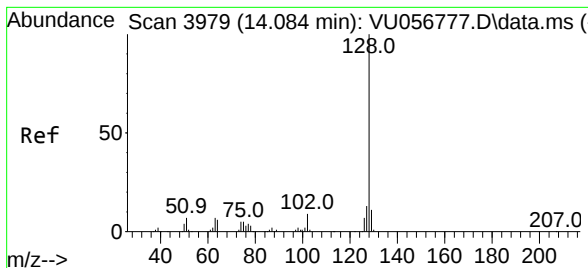
Ion Ratio Lower Upper

180 100

182 95.1 74.3 111.5

145 33.6 26.7 40.1





#71

Naphthalene

Concen: 3.797 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Instrument :

MSVOA_U

ClientSampleId :

E0Y31MS

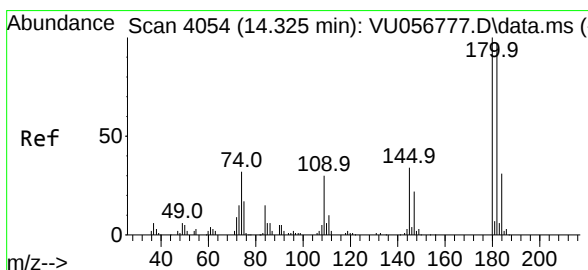
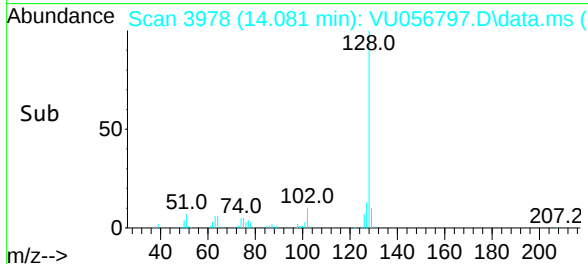
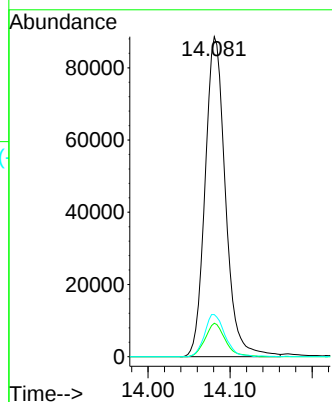
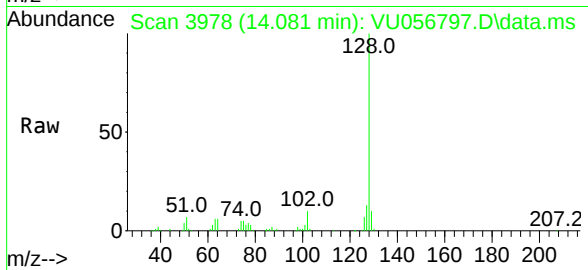
Tgt Ion:128 Resp: 152593

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

127 13.1 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 3.942 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. -0.003 min

Lab File: VU056797.D

Acq: 12 Dec 2023 19:46

Tgt Ion:180 Resp: 91892

Ion Ratio Lower Upper

180 100

182 97.9 75.0 112.6

145 36.5 28.6 42.8

