

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055337.D
 Acq On : 15 Sep 2023 13:41
 Operator : MD/SY
 Sample : VSTD00557
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:16:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 16 00:14:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	189943	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	198474	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	110751	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	59098	5.507	ug/L	0.00
7) Chloroethane-d5	1.911	69	66970	7.554	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	20875	4.553	ug/L	0.00
20) 2-Butanone-d5	4.628	46	161794	76.523	ug/L	0.00
24) Chloroform-d	5.058	84	132996	6.351	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	66409	6.750	ug/L	0.00
32) Benzene-d6	5.724	84	227863	5.458	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	76859	6.148	ug/L	0.00
41) Toluene-d8	7.894	98	199134	5.130	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	26457	5.472	ug/L	0.00
46) 2-Hexanone-d5	8.631	63	98888	64.971	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	67365	7.143	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	75833	5.404	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	93386	6.172	ug/L	100
3) Chloromethane	1.518	50	91656	6.416	ug/L	100
5) Vinyl chloride	1.602	62	96184	6.395	ug/L	100
6) Bromomethane	1.856	94	73540	7.505	ug/L	100
8) Chloroethane	1.930	64	76572	7.489	ug/L	100
9) Trichlorofluoromethane	2.136	101	156859	6.526	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	76616	5.769	ug/L	100
12) 1,1-Dichloroethene	2.576	96	67369	5.667	ug/L	100
13) Acetone	2.640	43	95605	40.186	ug/L	100
14) Carbon disulfide	2.792	76	215699	6.784	ug/L	100
15) Methyl Acetate	2.952	43	21648	4.923	ug/L	100
16) Methylene chloride	3.042	84	90649	5.683	ug/L	100
17) Methyl tert-butyl Ether	3.361	73	162794	5.506	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	74793	6.067	ug/L	100
19) 1,1-Dichloroethane	3.865	63	147024	5.970	ug/L	100
21) 2-Butanone	4.711	43	163683	50.248	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	85573	5.960	ug/L	100
23) Bromochloromethane	4.972	128	35815	5.802	ug/L	100
25) Chloroform	5.084	83	156187	5.861	ug/L	100
27) 1,2-Dichloroethane	5.791	62	95877	6.183	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	130580	5.253	ug/L	100
30) Cyclohexane	5.386	56	123652	5.901	ug/L	100
31) Carbon tetrachloride	5.521	117	108912	5.114	ug/L	100
33) Benzene	5.772	78	340716	5.896	ug/L	100
34) Trichloroethene	6.541	95	93651	5.976	ug/L	100
35) Methylcyclohexane	6.759	83	141022	6.086	ug/L	100
37) 1,2-Dichloropropane	6.788	63	89954	5.924	ug/L	100
38) Bromodichloromethane	7.103	83	105296	5.562	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	120380	5.451	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	423635	56.098	ug/L	100
42) Toluene	7.965	91	384310	6.223	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	93802	5.241	ug/L	100

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

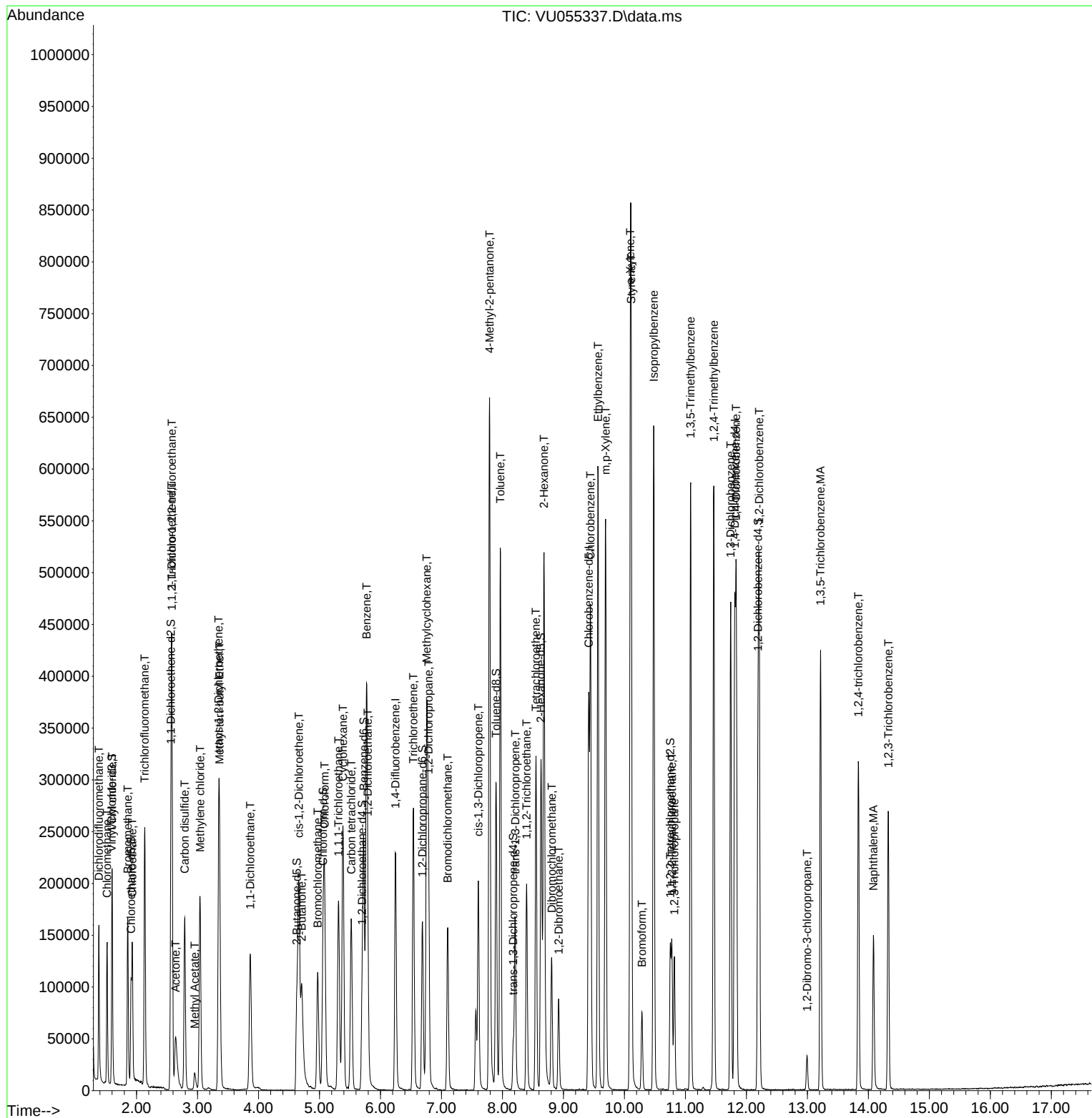
45) 1,1,2-Trichloroethane	8.396	97	60075	5.600	ug/L	100
47) Tetrachloroethene	8.550	164	63879	5.186	ug/L	100
48) 2-Hexanone	8.682	43	329505	57.166	ug/L	100
49) Dibromochloromethane	8.807	129	62824	5.301	ug/L	100
50) 1,2-Dibromoethane	8.923	107	58283	5.827	ug/L	100
51) Chlorobenzene	9.444	112	239628	5.811	ug/L	100
52) Ethylbenzene	9.566	91	418864	6.101	ug/L	100
53) m,p-Xylene	9.692	106	161809	6.211	ug/L	100
54) o-Xylene	10.097	106	153160	5.988	ug/L	100
55) Styrene	10.113	104	254542	6.082	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	68302	5.396	ug/L	100
59) Bromoform	10.286	173	31927	4.609	ug/L	100
60) Isopropylbenzene	10.483	105	414106	5.931	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	51804	5.640	ug/L	100
62) 1,3,5-Trimethylbenzene	11.087	105	316581	5.644	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	320957	5.719	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	184873	5.413	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	183847	5.404	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	167970	5.375	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.994	75	9338	5.011	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	120714	4.872	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	87752	4.367	ug/L	100
71) Naphthalene	14.084	128	121400	4.200	ug/L	100
72) 1,2,3-Trichlorobenzene	14.328	180	74923	4.430	ug/L	100

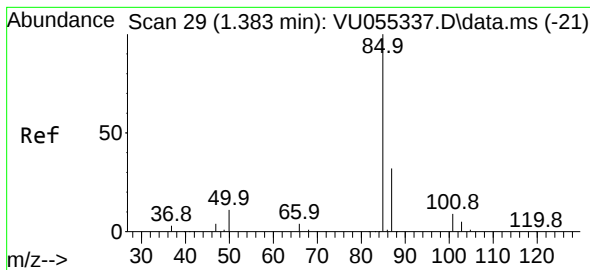
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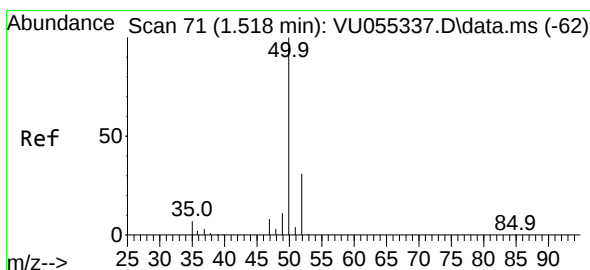
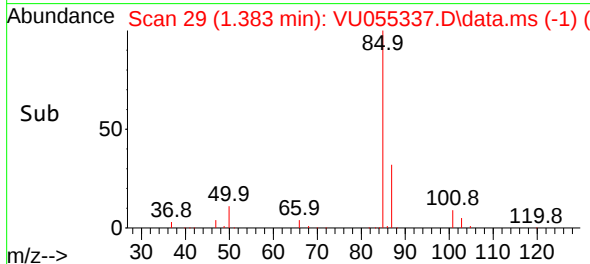
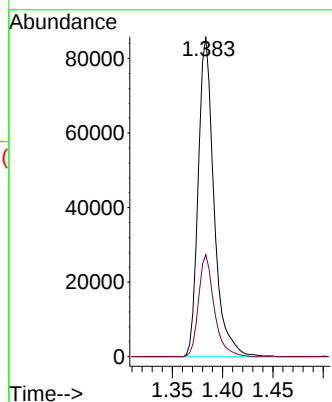
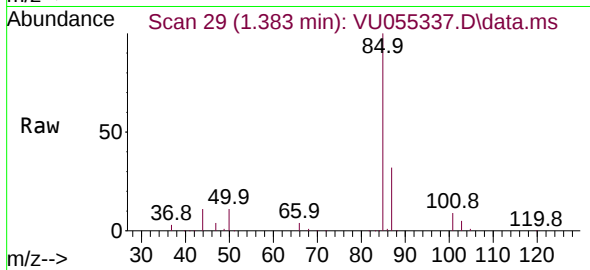




#2
 Dichlorodifluoromethane
 Concen: 6.172 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

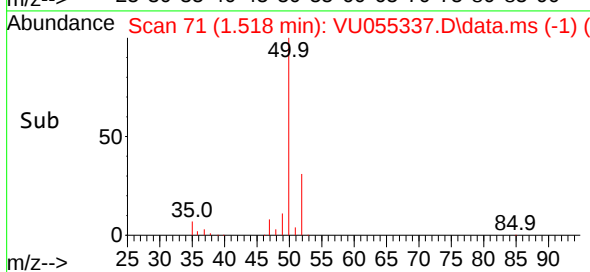
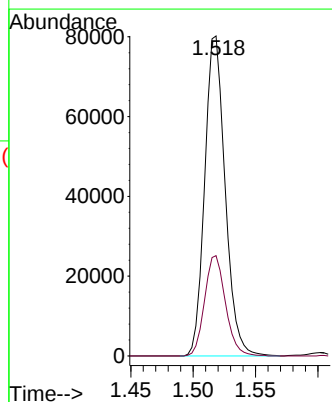
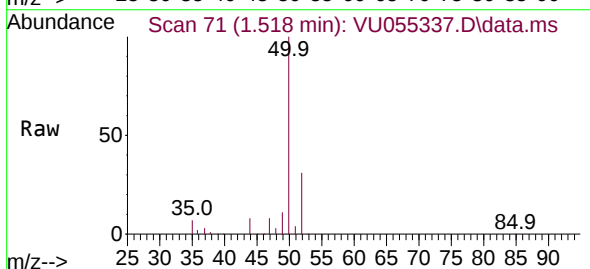
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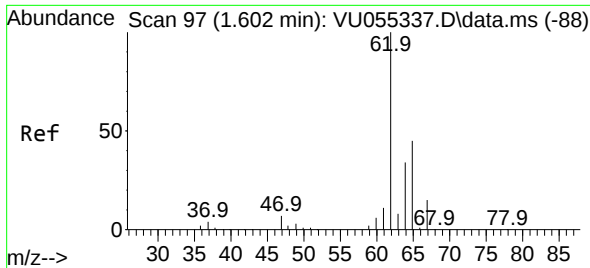
Tgt Ion: 85 Resp: 93386
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.3 37.9



#3
 Chloromethane
 Concen: 6.416 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

Tgt Ion: 50 Resp: 91656
 Ion Ratio Lower Upper
 50 100
 52 31.4 22.0 40.8

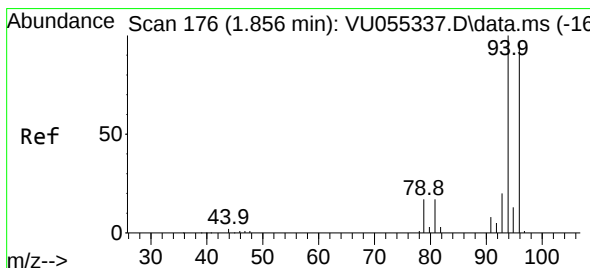
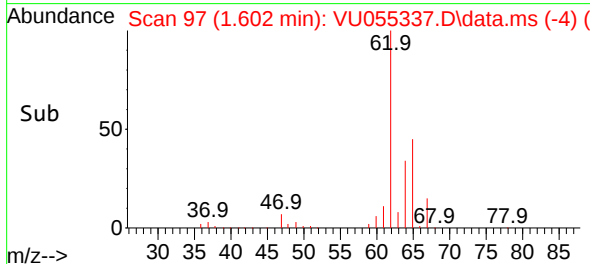
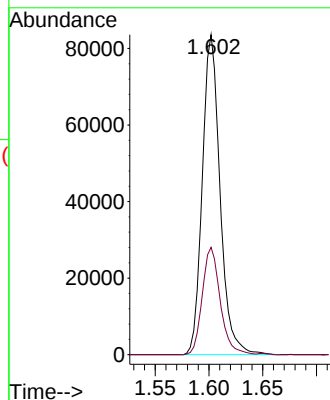
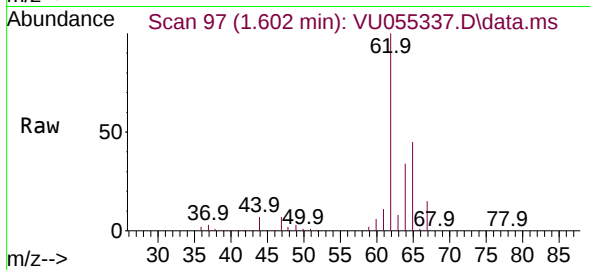




#5
 Vinyl chloride
 Concen: 6.395 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

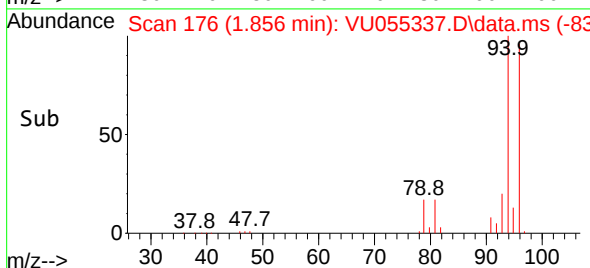
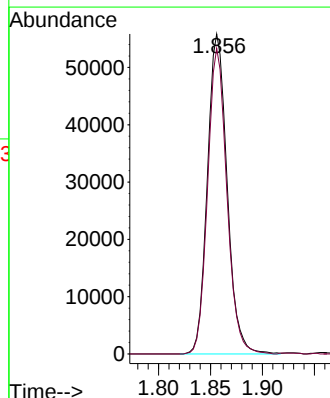
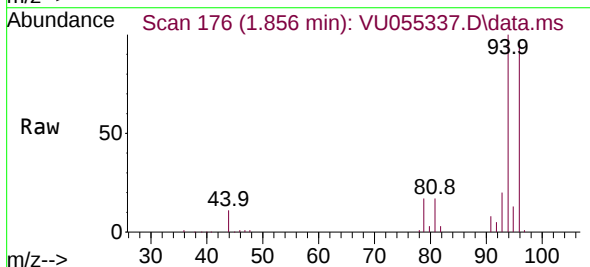
Instrument :
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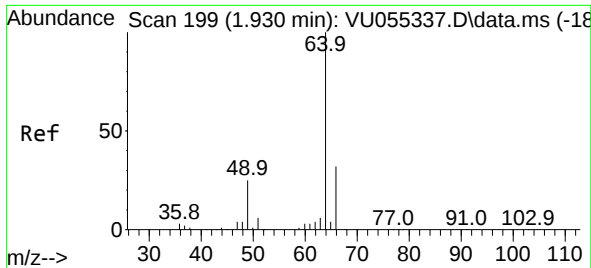
Tgt Ion: 62 Resp: 96184
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6



#6
 Bromomethane
 Concen: 7.505 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

Tgt Ion: 94 Resp: 73540
 Ion Ratio Lower Upper
 94 100
 96 95.6 66.9 124.3

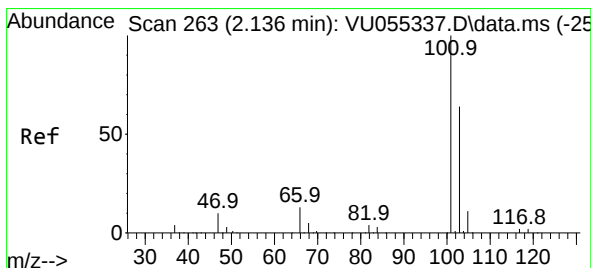
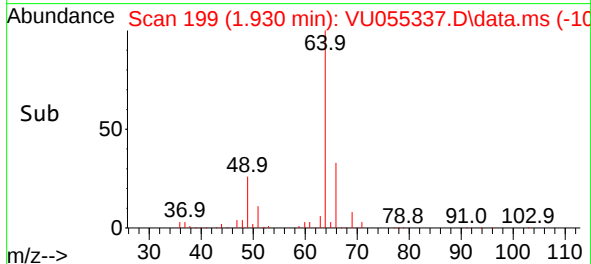
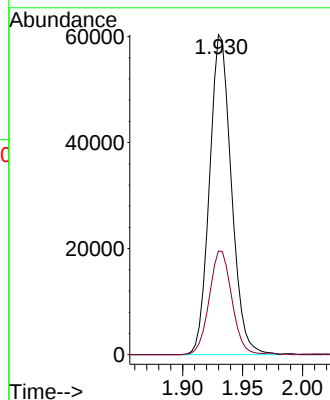
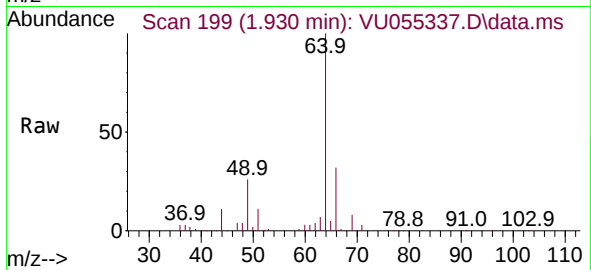




#8
Chloroethane
Concen: 7.489 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

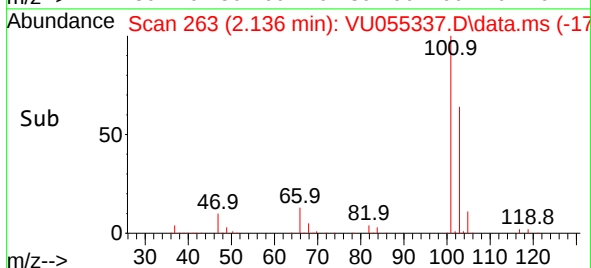
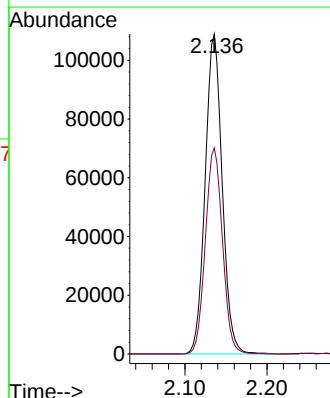
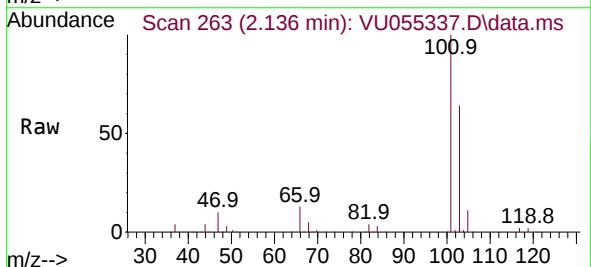
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ClientSampleId :

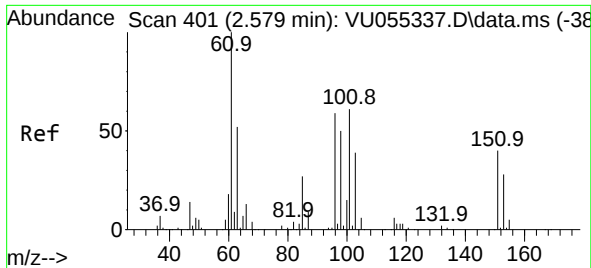
Tgt Ion: 64 Resp: 76572
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 6.526 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion: 101 Resp: 156859
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

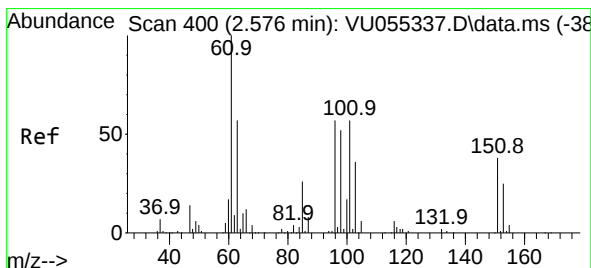
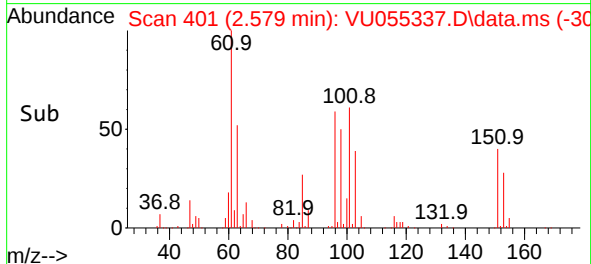
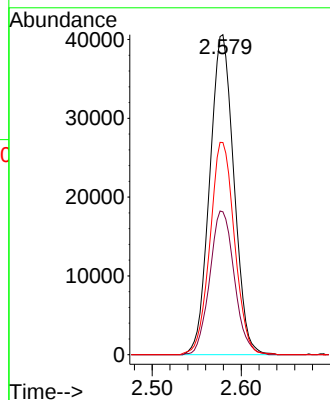
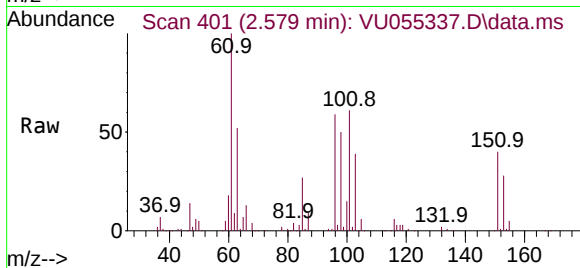




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.769 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

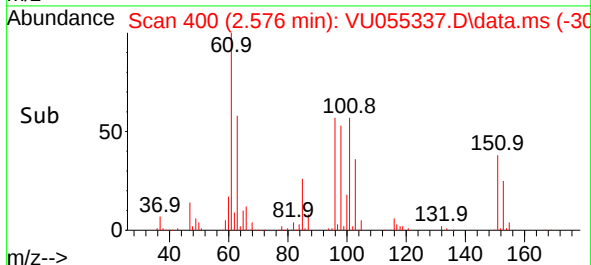
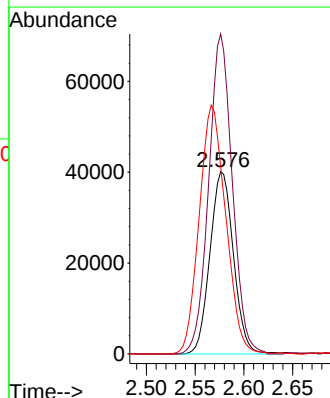
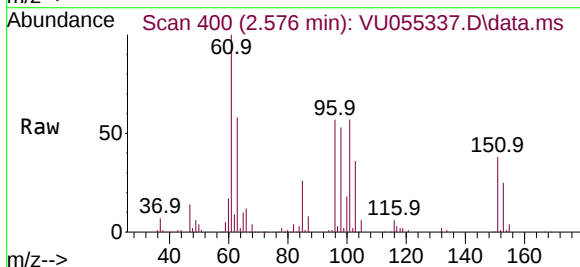
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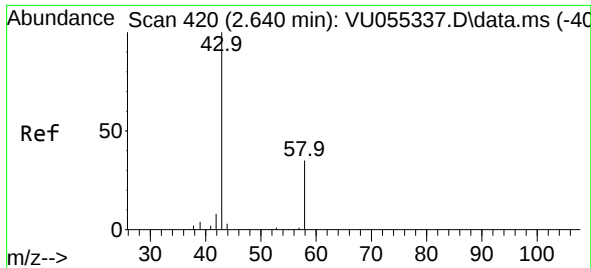
Tgt Ion:101 Resp: 76616
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.5 54.7
 151 67.3 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 5.667 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

Tgt Ion: 96 Resp: 67369
 Ion Ratio Lower Upper
 96 100
 61 175.4 122.8 228.0
 63 102.5 71.7 133.3





#13

Acetone

Concen: 40.186 ug/L

RT: 2.640 min Scan# 431

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

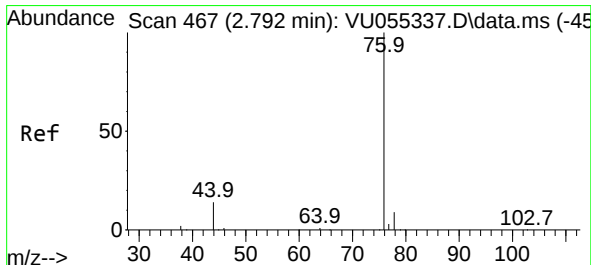
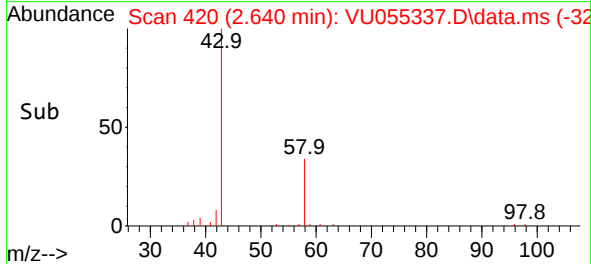
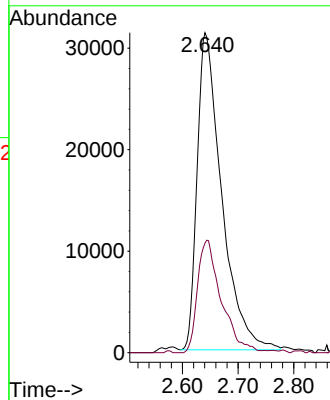
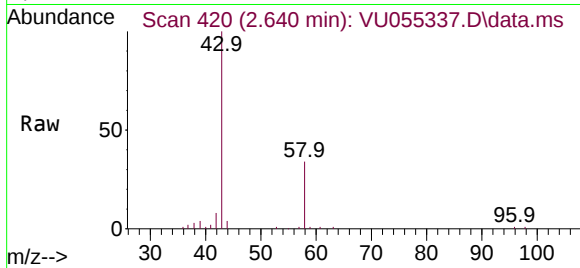
ClientSampleId :

Tgt Ion: 43 Resp: 95605

Ion Ratio Lower Upper

43 100

58 34.2 0.0 68.4



#14

Carbon disulfide

Concen: 6.784 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055337.D

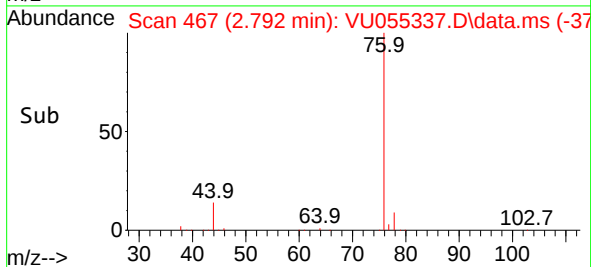
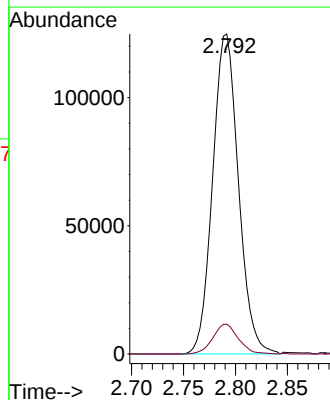
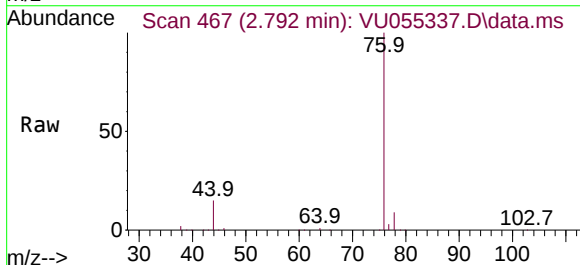
Acq: 15 Sep 2023 13:41

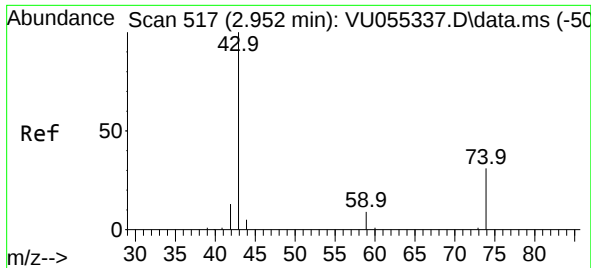
Tgt Ion: 76 Resp: 215699

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

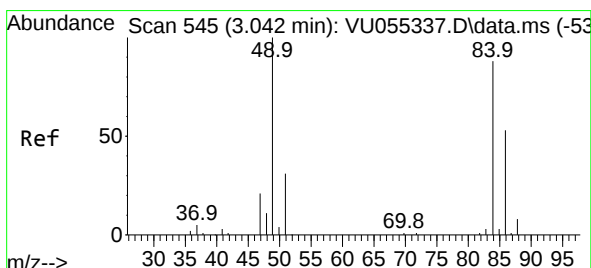
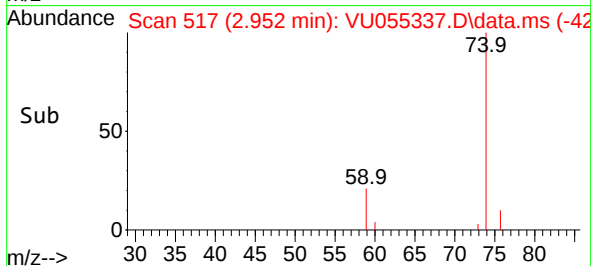
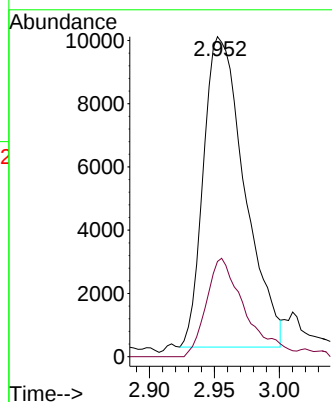
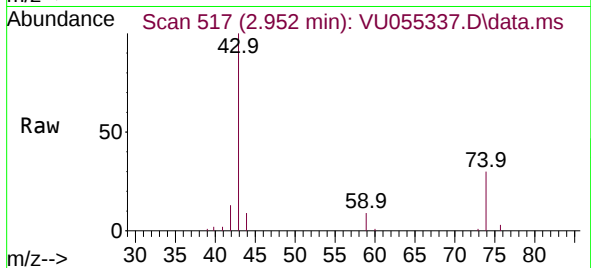




#15
Methyl Acetate
Concen: 4.923 ug/L
RT: 2.952 min Scan# 517
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

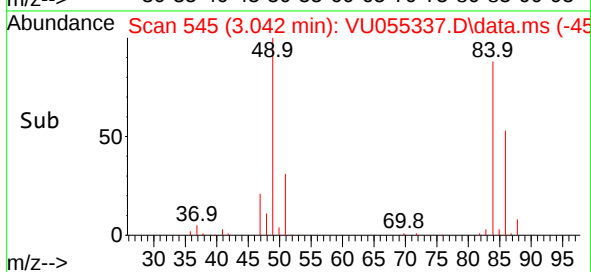
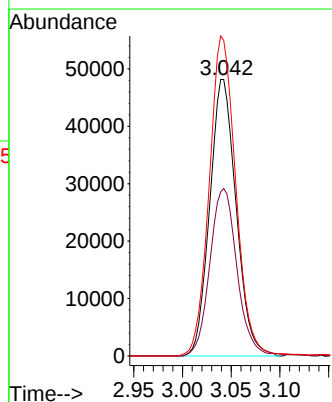
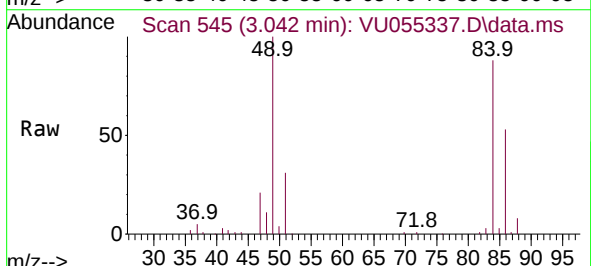
Instrument :
MSVOA_U
ClientSampleId :

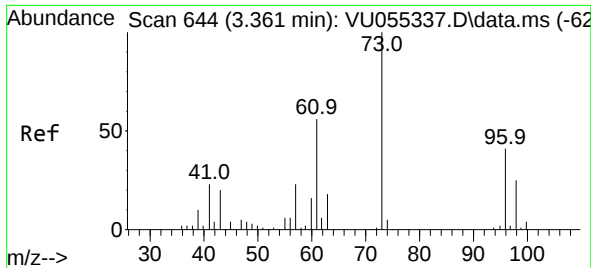
Tgt Ion: 43 Resp: 21648
Ion Ratio Lower Upper
43 100
74 29.9 23.9 35.9



#16
Methylene chloride
Concen: 5.683 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion: 84 Resp: 90649
Ion Ratio Lower Upper
84 100
86 60.6 42.4 78.8
49 114.1 79.9 148.3

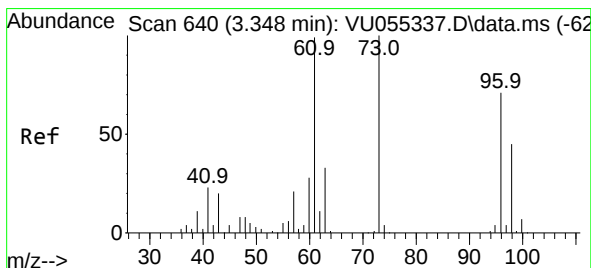
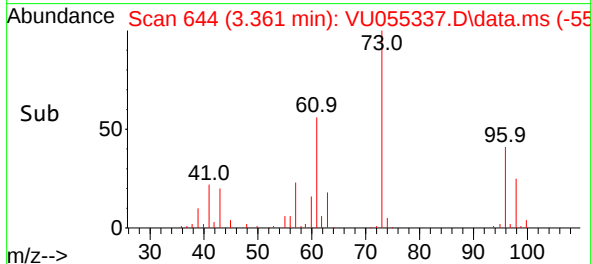
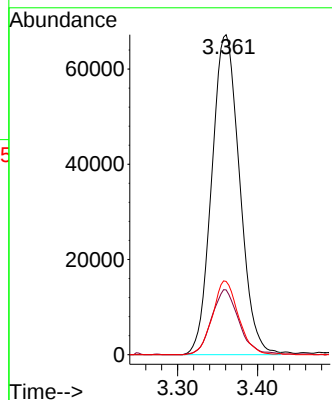
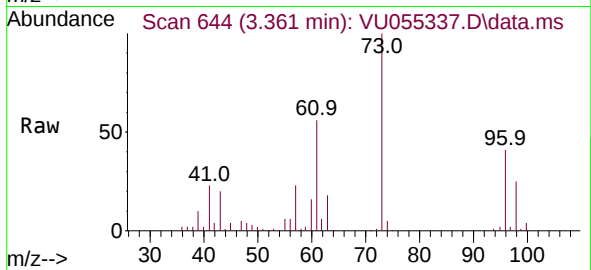




#17
Methyl tert-butyl Ether
Concen: 5.506 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

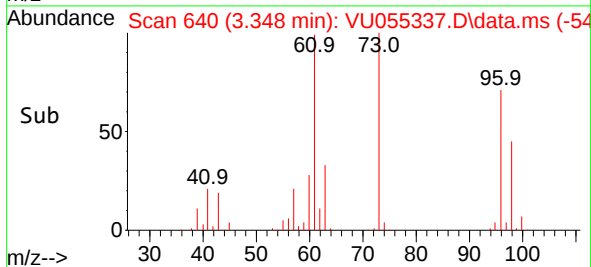
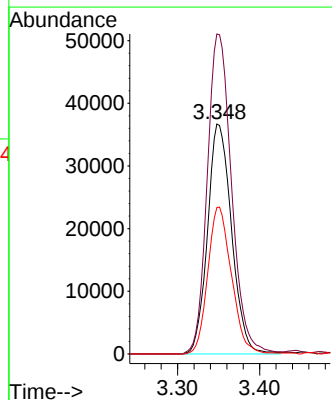
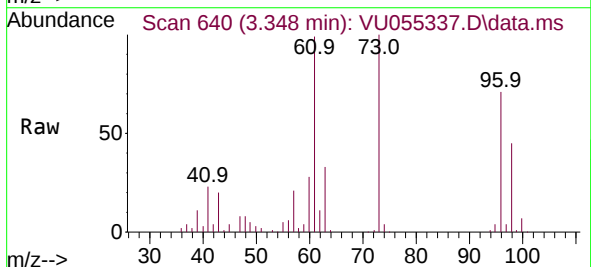
Instrument :
MSVOA_U
ClientSampleId :

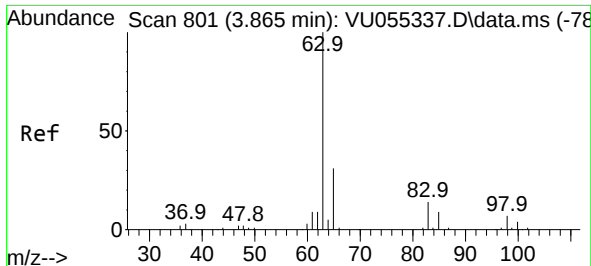
Tgt Ion: 73 Resp: 162794
Ion Ratio Lower Upper
73 100
43 20.0 16.0 24.0
57 21.5 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 6.067 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion: 96 Resp: 74793
Ion Ratio Lower Upper
96 100
61 139.2 97.4 181.0
98 63.7 44.6 82.8





#19

1,1-Dichloroethane

Concen: 5.970 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

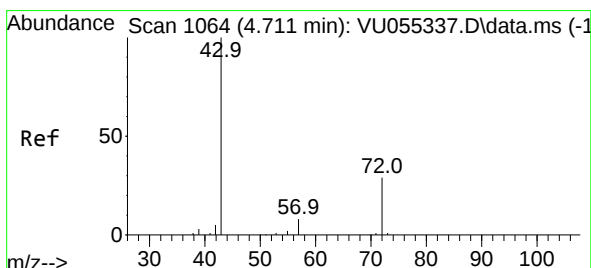
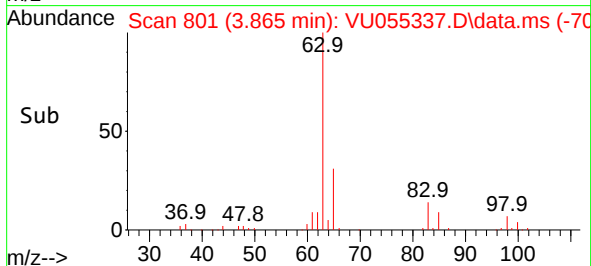
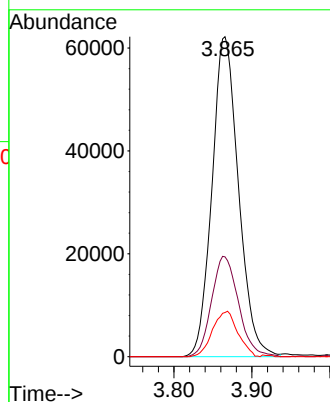
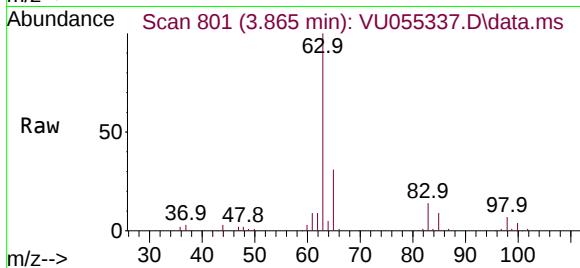
Tgt Ion: 63 Resp: 147024

Ion Ratio Lower Upper

63 100

65 31.2 21.8 40.6

83 13.8 9.7 17.9



#21

2-Butanone

Concen: 50.248 ug/L

RT: 4.711 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VU055337.D

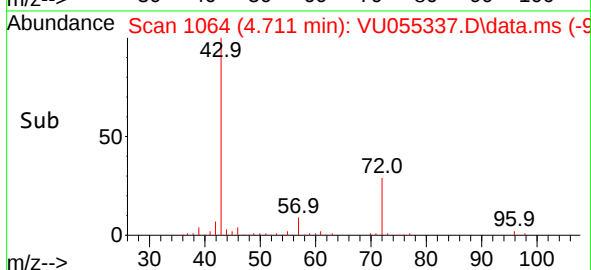
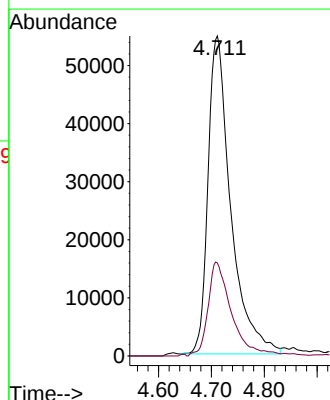
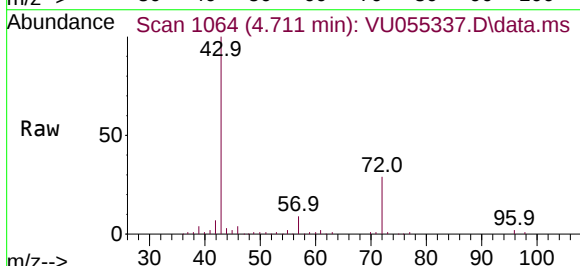
Acq: 15 Sep 2023 13:41

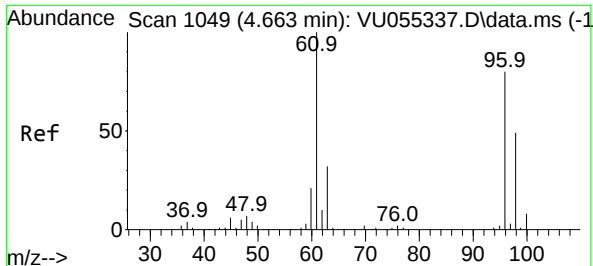
Tgt Ion: 43 Resp: 163683

Ion Ratio Lower Upper

43 100

72 30.3 15.2 45.5





#22

cis-1,2-Dichloroethene

Concen: 5.960 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

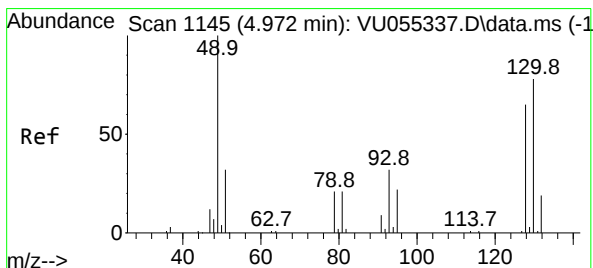
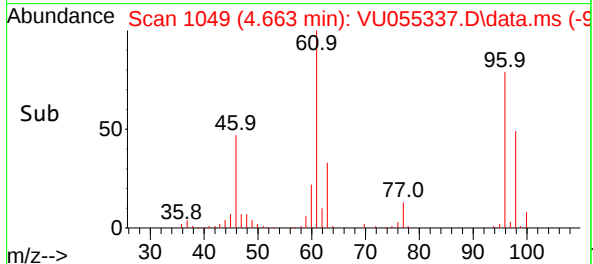
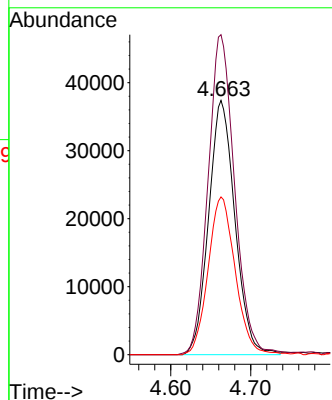
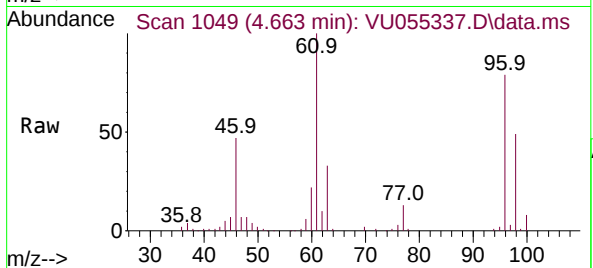
Tgt Ion: 96 Resp: 85573

Ion Ratio Lower Upper

96 100

61 125.9 88.1 163.7

98 62.1 43.5 80.7



#23

Bromochloromethane

Concen: 5.802 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Tgt Ion: 128 Resp: 35815

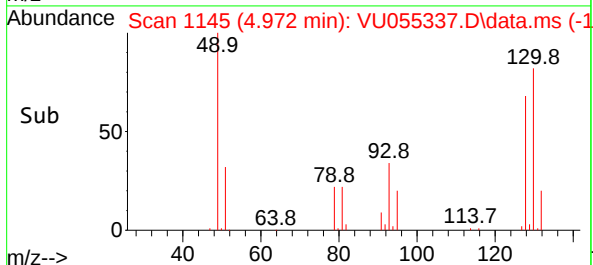
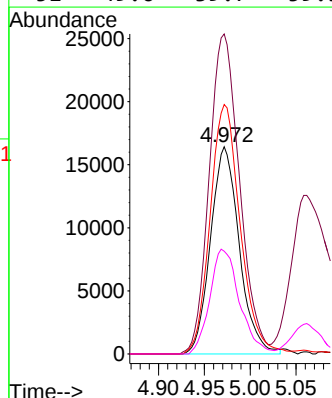
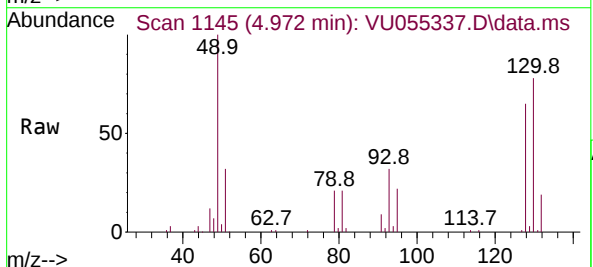
Ion Ratio Lower Upper

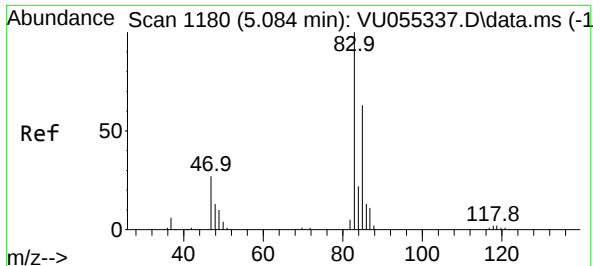
128 100

49 154.5 108.1 200.9

130 120.4 84.3 156.5

51 49.6 39.7 59.5





#25

Chloroform

Concen: 5.861 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

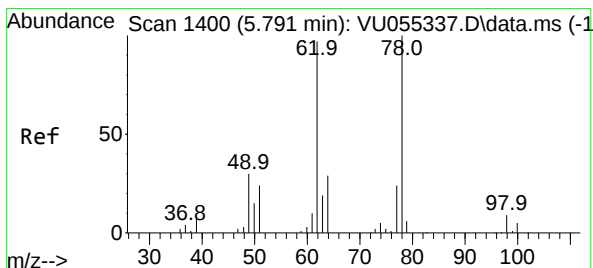
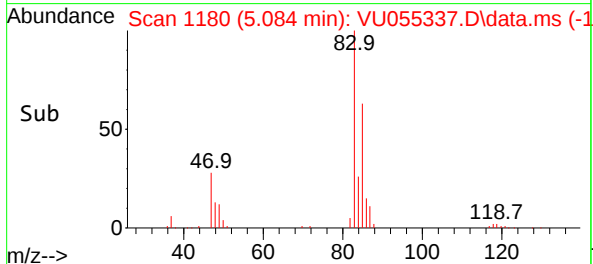
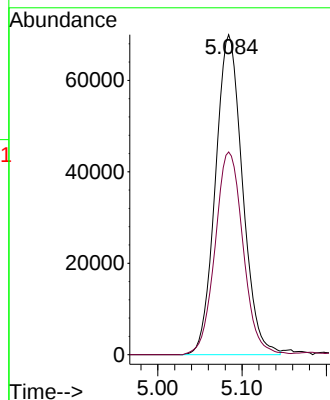
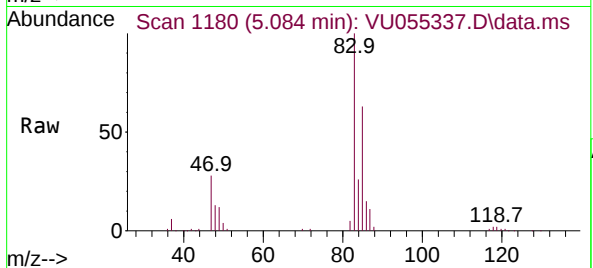
ClientSampleId :

Tgt Ion: 83 Resp: 156187

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4



#27

1,2-Dichloroethane

Concen: 6.183 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VU055337.D

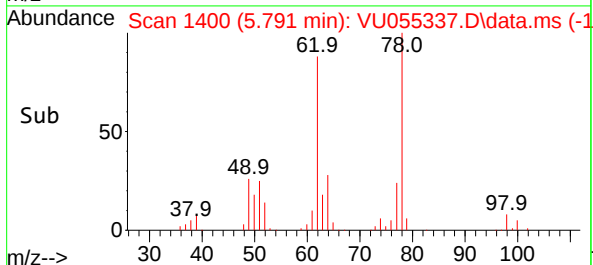
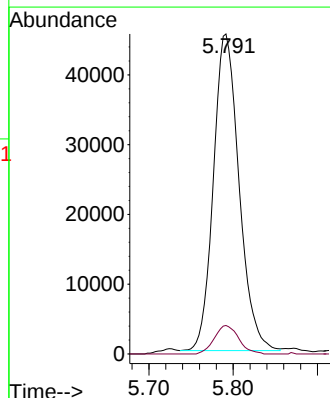
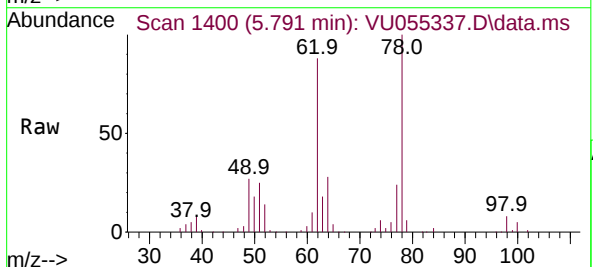
Acq: 15 Sep 2023 13:41

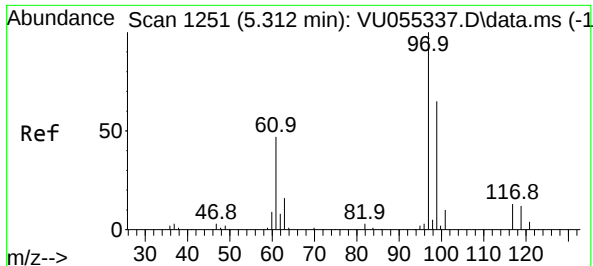
Tgt Ion: 62 Resp: 95877

Ion Ratio Lower Upper

62 100

98 8.9 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.253 ug/L

RT: 5.312 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

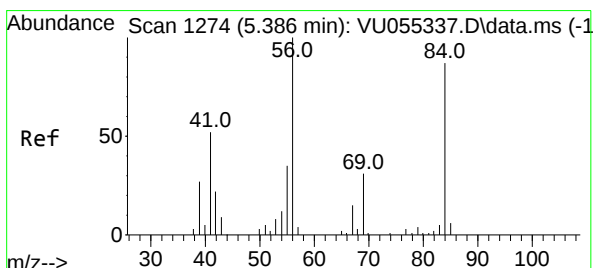
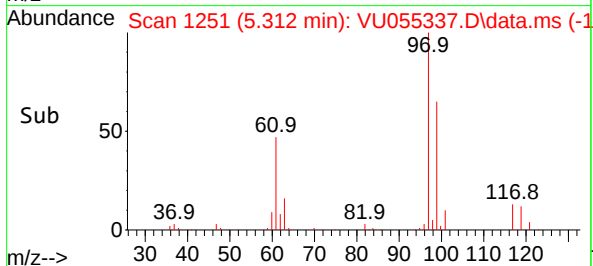
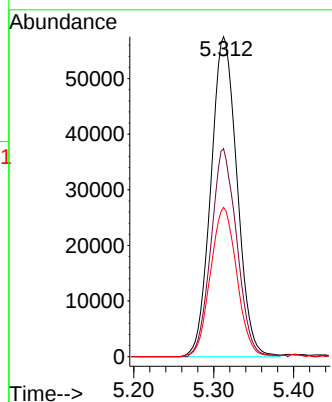
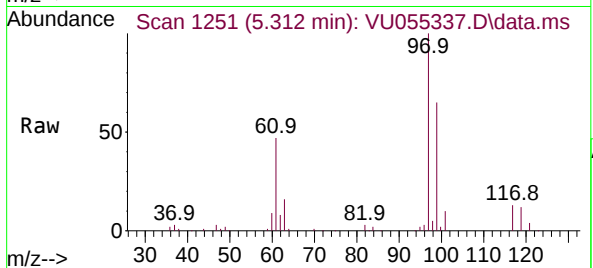
Tgt Ion: 97 Resp: 130580

Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 47.0 37.6 56.4



#30

Cyclohexane

Concen: 5.901 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

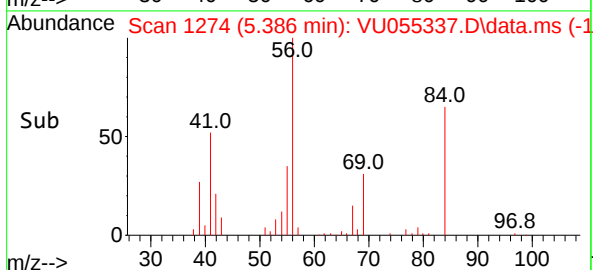
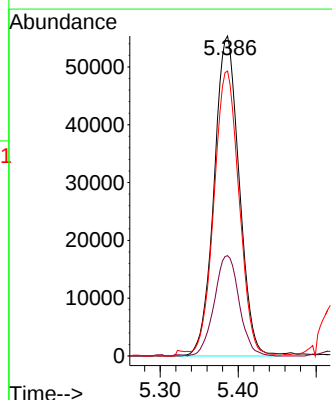
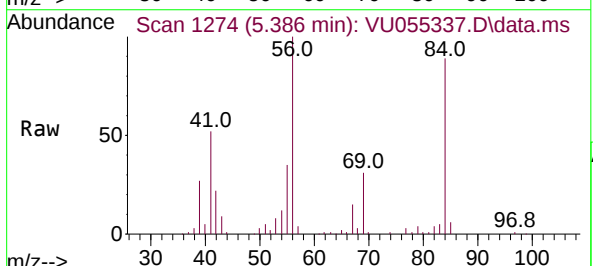
Tgt Ion: 56 Resp: 123652

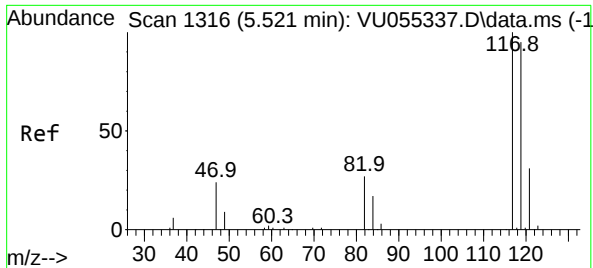
Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.6

84 87.8 70.2 105.4

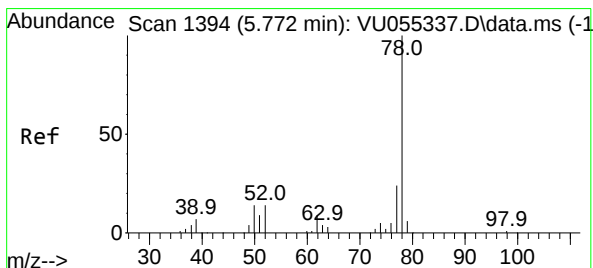
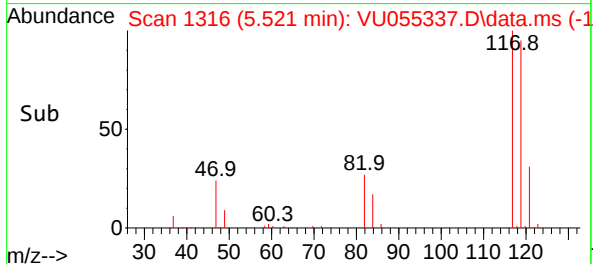
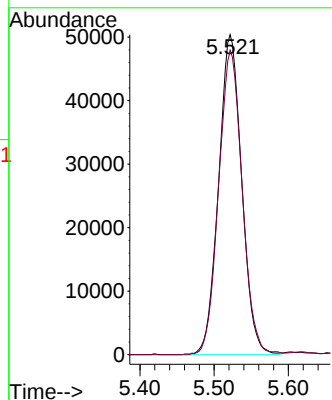
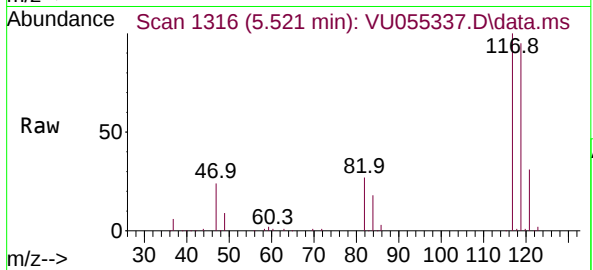




#31
Carbon tetrachloride
Concen: 5.114 ug/L
RT: 5.521 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

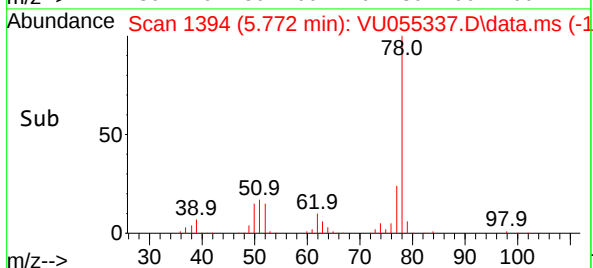
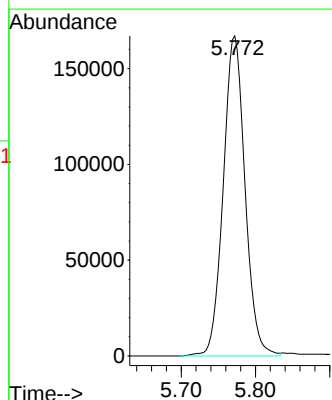
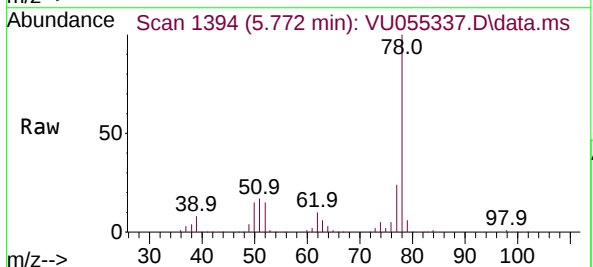
Instrument :
MSVOA_U
ClientSampleId :

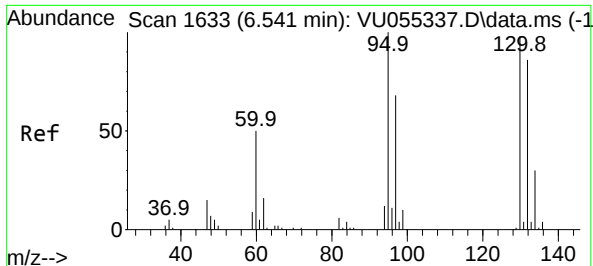
Tgt Ion:117 Resp: 108912
Ion Ratio Lower Upper
117 100
119 96.9 77.5 116.3



#33
Benzene
Concen: 5.896 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

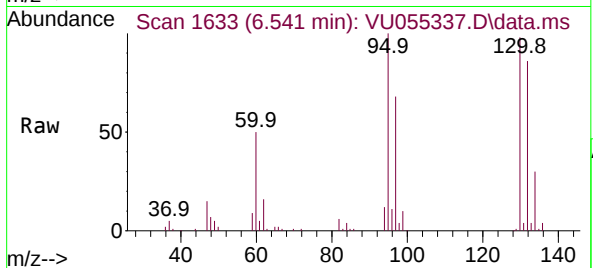
Tgt Ion: 78 Resp: 340716



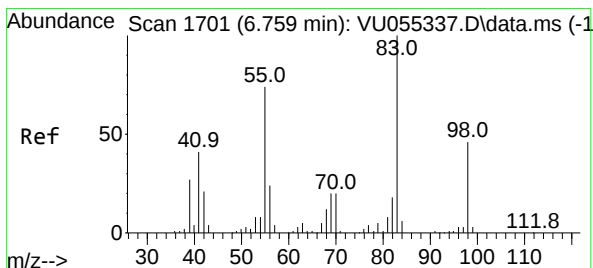
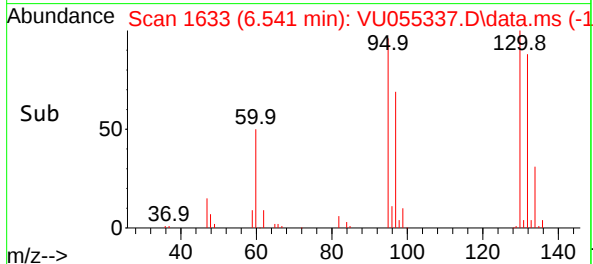
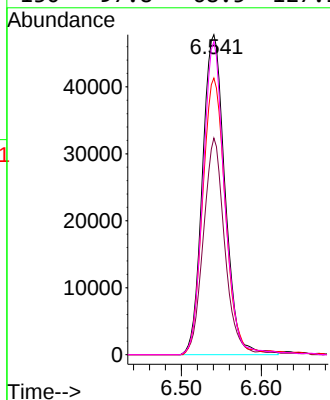


#34
Trichloroethene
Concen: 5.976 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Instrument :
MSVOA_U
ClientSampleId :

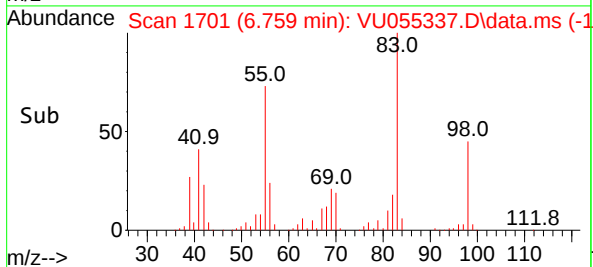
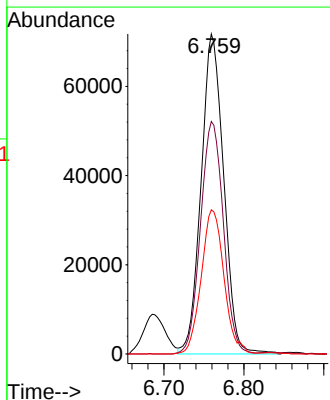
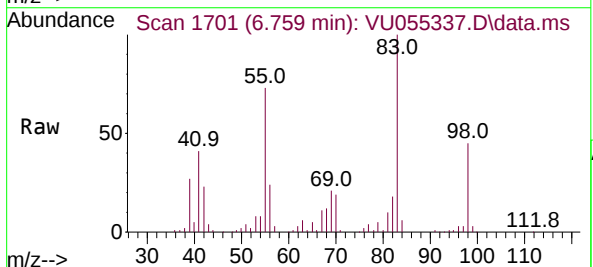


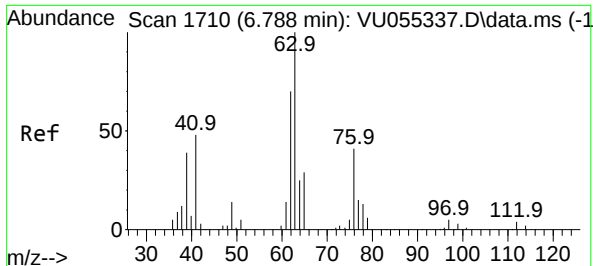
Tgt Ion: 95 Resp: 93651
Ion Ratio Lower Upper
95 100
97 67.7 47.4 88.0
132 86.4 60.5 112.3
130 97.8 68.5 127.1



#35
Methylcyclohexane
Concen: 6.086 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion: 83 Resp: 141022
Ion Ratio Lower Upper
83 100
55 73.4 58.7 88.1
98 45.4 36.3 54.5

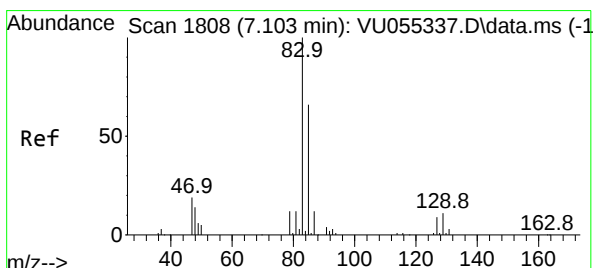
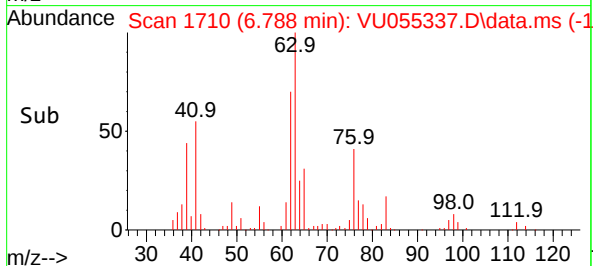
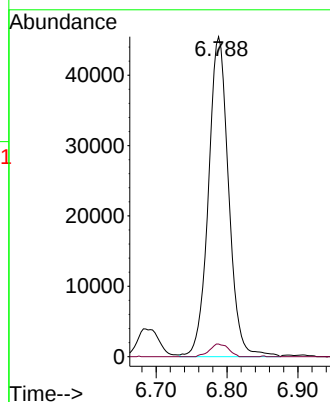
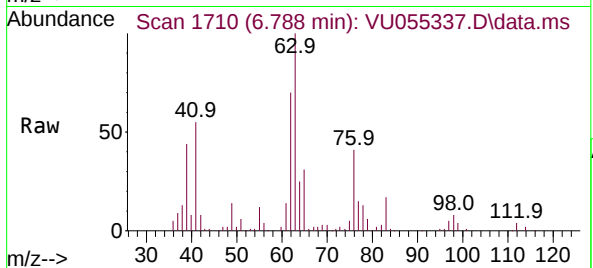




#37
1,2-Dichloropropane
Concen: 5.924 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

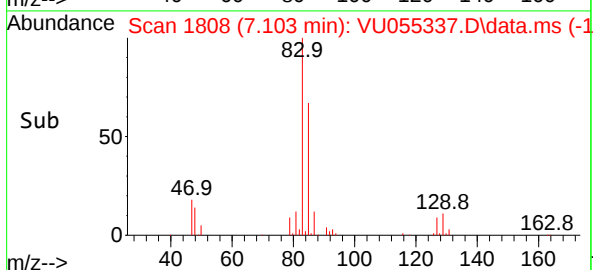
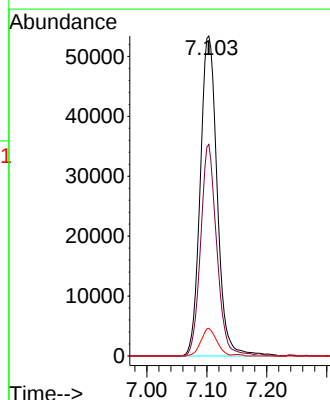
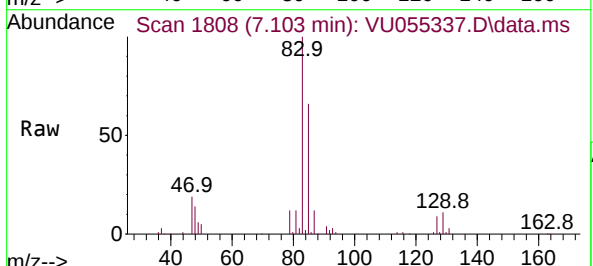
Instrument :
MSVOA_U
ClientSampleId :

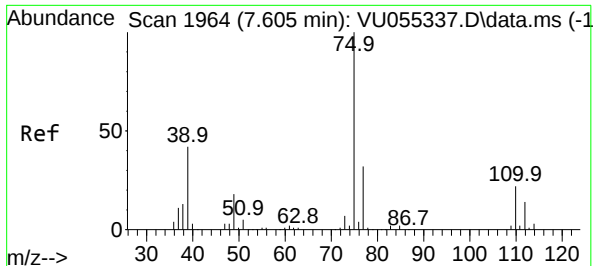
Tgt Ion: 63 Resp: 89954
Ion Ratio Lower Upper
63 100
112 3.7 3.0 4.4



#38
Bromodichloromethane
Concen: 5.562 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion: 83 Resp: 105296
Ion Ratio Lower Upper
83 100
85 66.1 46.3 85.9
127 8.7 7.0 10.4

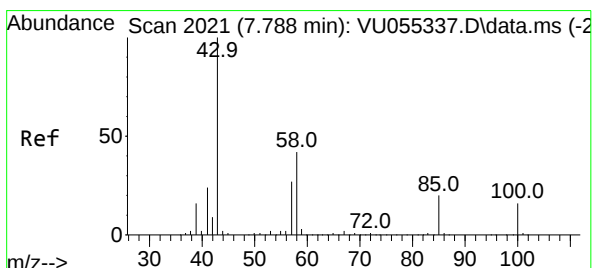
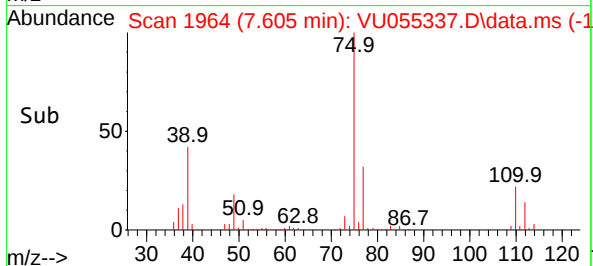
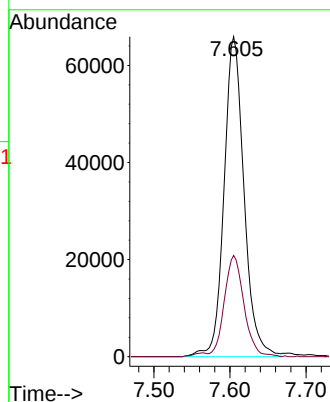
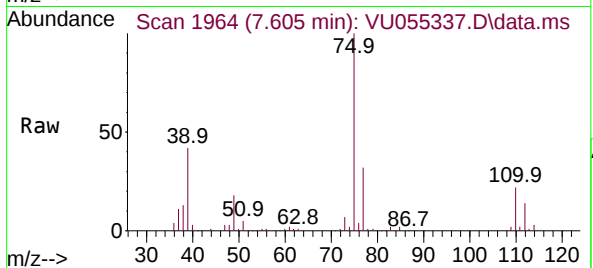




#39
 cis-1,3-Dichloropropene
 Concen: 5.451 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

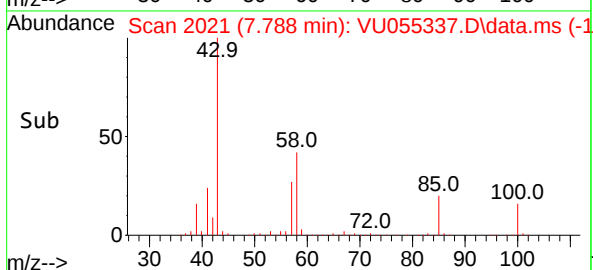
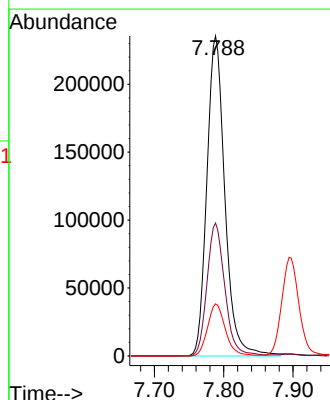
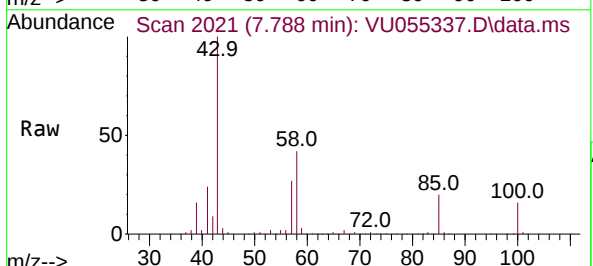
Instrument :
 MSVOA_U
 ClientSampleId :

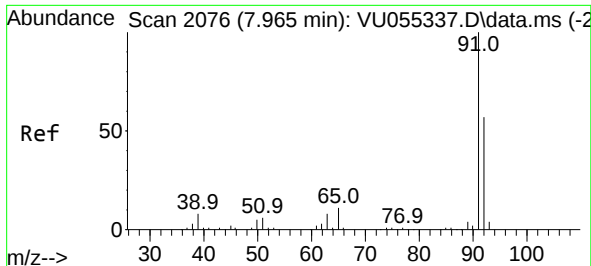
Tgt Ion: 75 Resp: 120380
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 56.098 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

Tgt Ion: 43 Resp: 423635
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.9 49.3
 100 16.1 12.9 19.3





#42

Toluene

Concen: 6.223 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

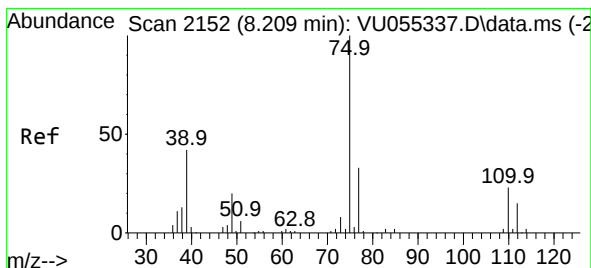
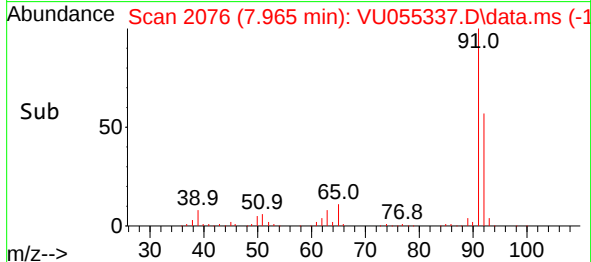
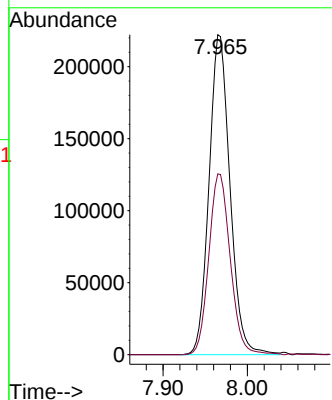
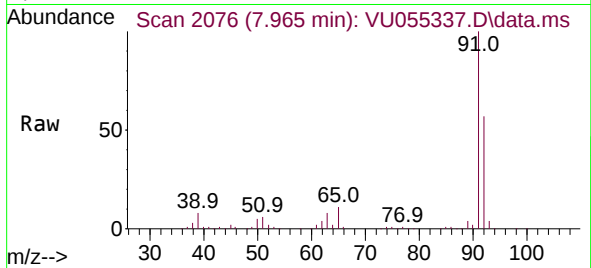
ClientSampleId :

Tgt Ion: 91 Resp: 384310

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.241 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VU055337.D

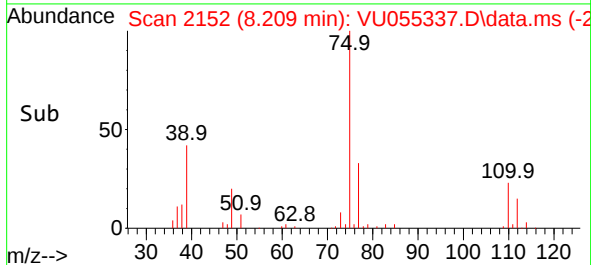
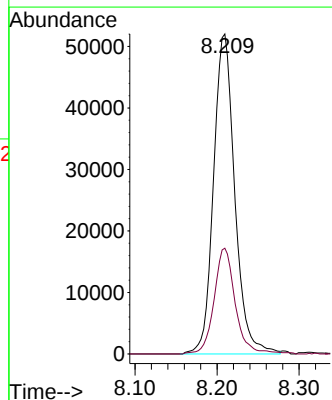
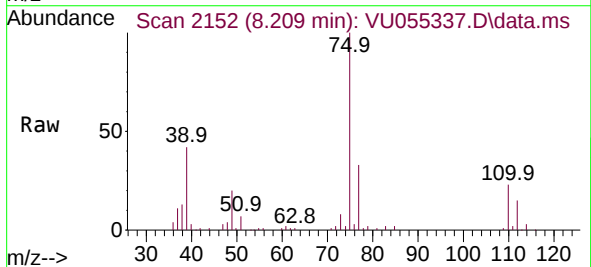
Acq: 15 Sep 2023 13:41

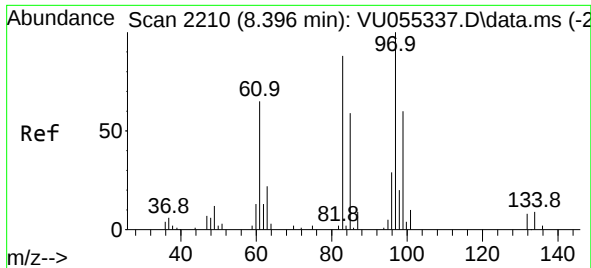
Tgt Ion: 75 Resp: 93802

Ion Ratio Lower Upper

75 100

77 33.1 23.2 43.0



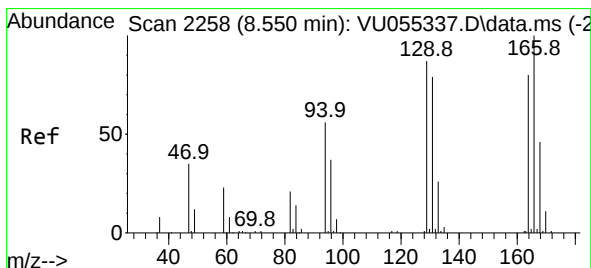
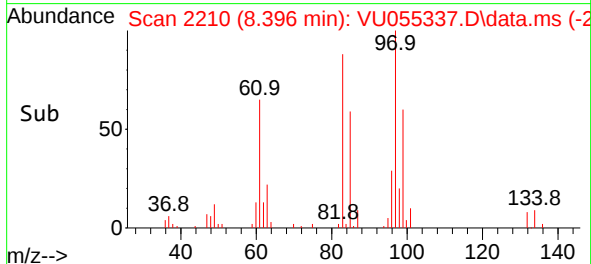
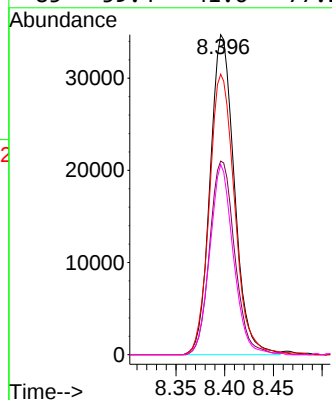
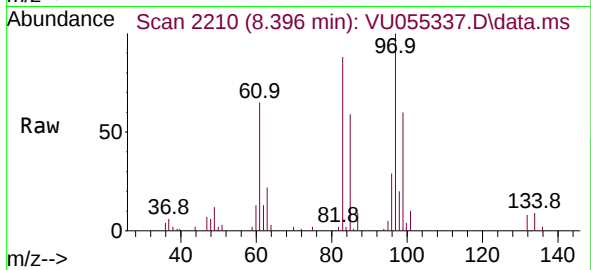


#45
1,1,2-Trichloroethane
Concen: 5.600 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 60075

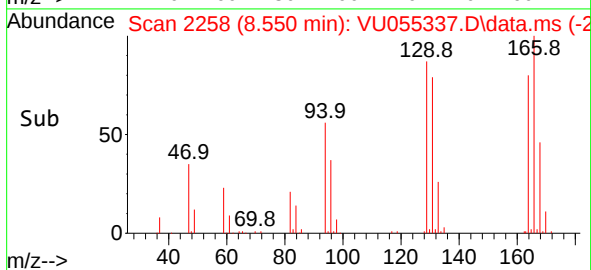
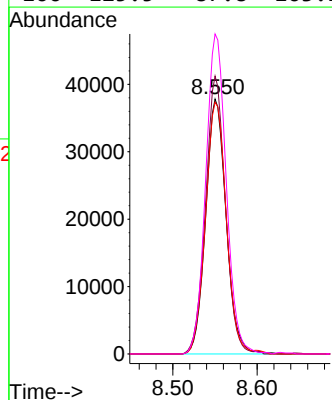
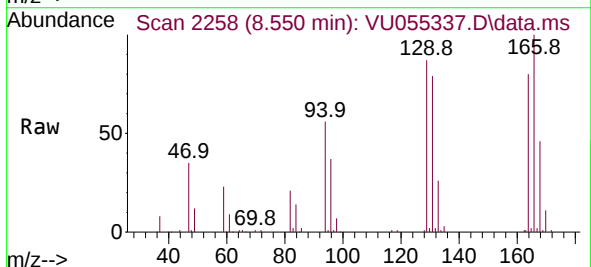
Ion	Ratio	Lower	Upper
97	100		
99	60.5	42.4	78.6
83	87.6	61.3	113.9
85	59.4	41.6	77.2

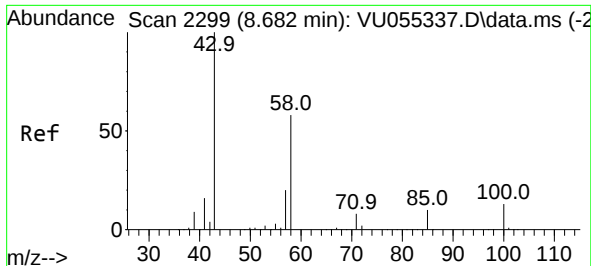


#47
Tetrachloroethene
Concen: 5.186 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion: 164 Resp: 63879

Ion	Ratio	Lower	Upper
164	100		
129	109.0	76.3	141.7
131	98.7	69.1	128.3
166	125.5	87.8	163.2



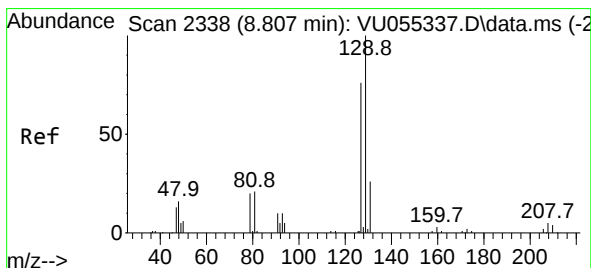
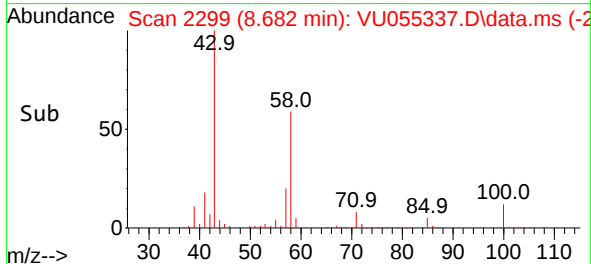
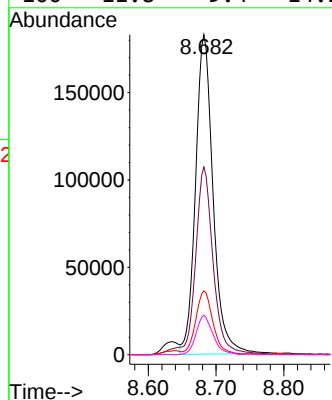
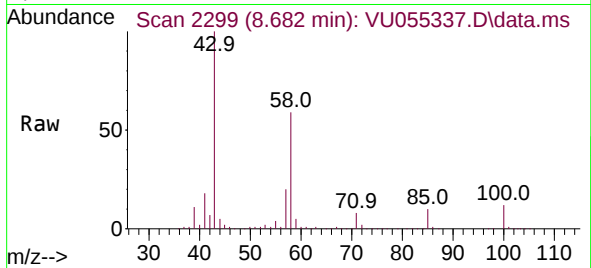


#48
2-Hexanone
Concen: 57.166 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 43 Resp: 329505

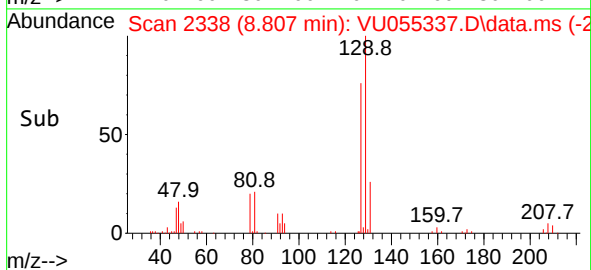
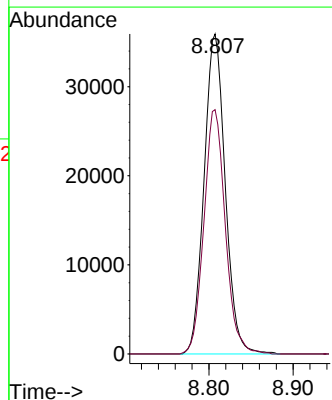
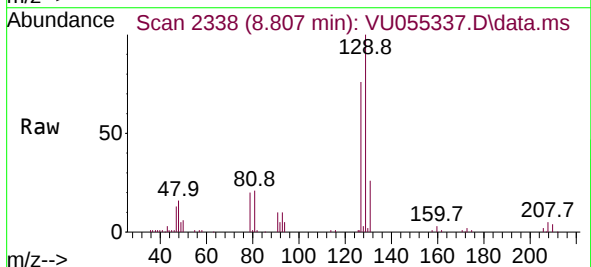
Ion	Ratio	Lower	Upper
43	100		
58	59.7	47.8	71.6
57	19.3	15.4	23.2
100	11.8	9.4	14.2

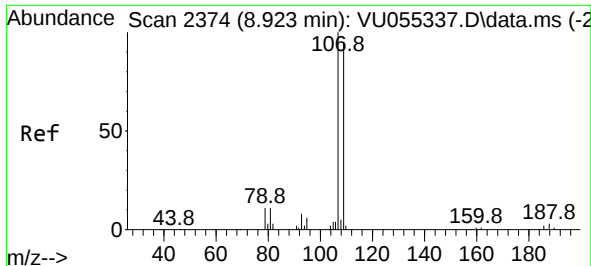


#49
Dibromochloromethane
Concen: 5.301 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion: 129 Resp: 62824

Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.4	99.2





#50

1,2-Dibromoethane

Concen: 5.827 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

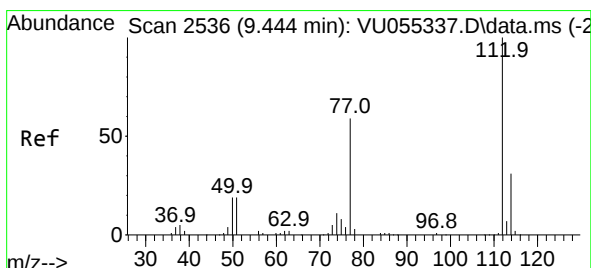
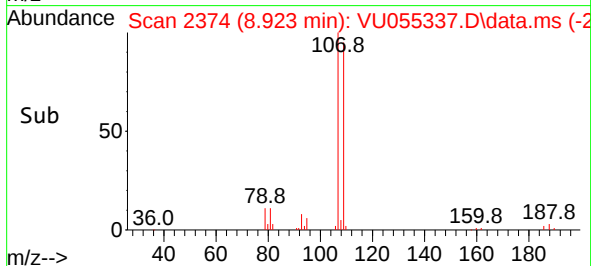
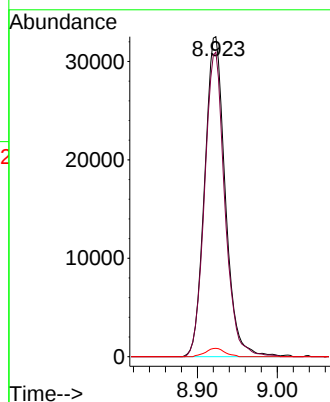
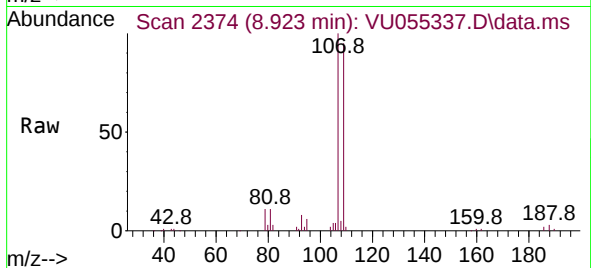
Tgt Ion:107 Resp: 58283

Ion Ratio Lower Upper

107 100

109 95.2 66.6 123.8

188 2.6 2.1 3.1



#51

Chlorobenzene

Concen: 5.811 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

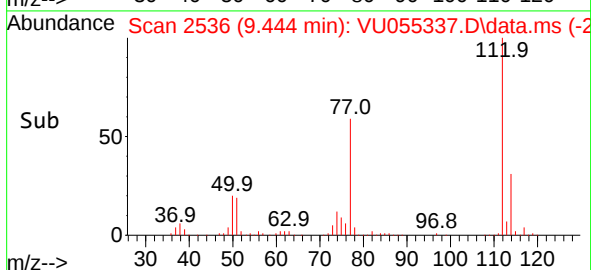
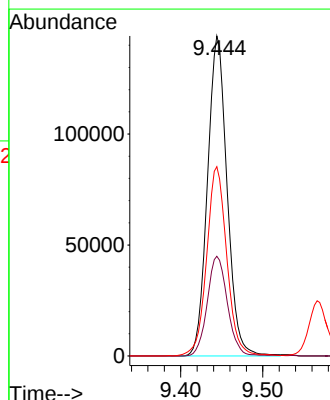
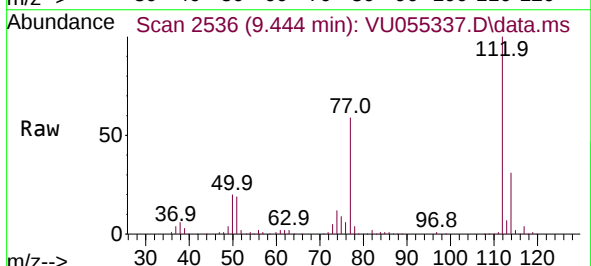
Tgt Ion:112 Resp: 239628

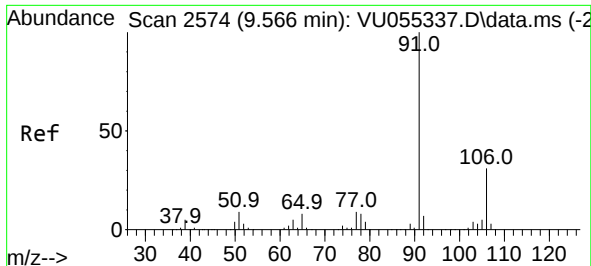
Ion Ratio Lower Upper

112 100

114 31.2 21.8 40.6

77 59.2 47.4 71.0





#52

Ethylbenzene

Concen: 6.101 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

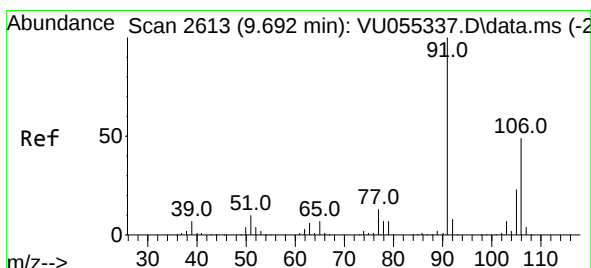
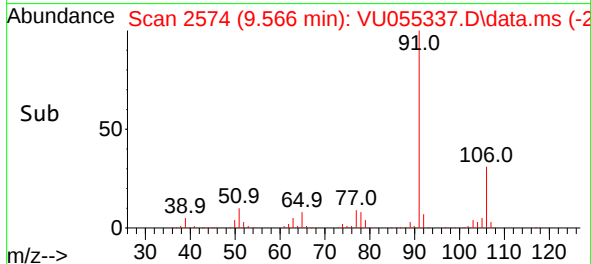
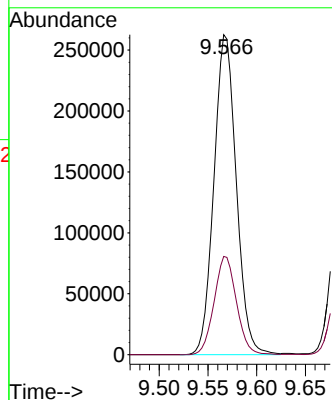
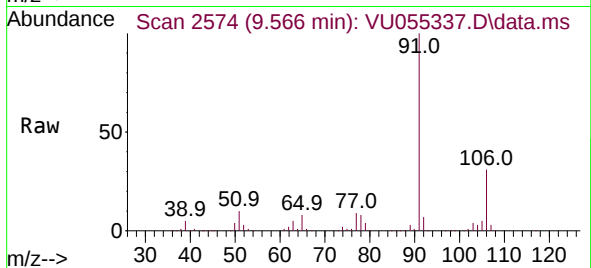
ClientSampleId :

Tgt Ion: 91 Resp: 418864

Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



#53

m,p-Xylene

Concen: 6.211 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.000 min

Lab File: VU055337.D

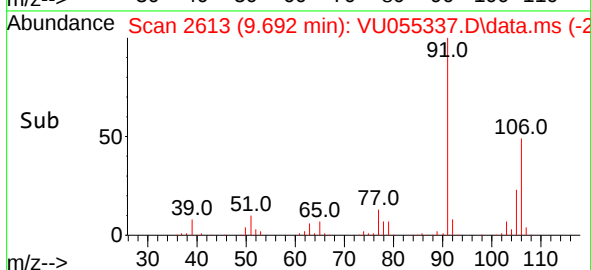
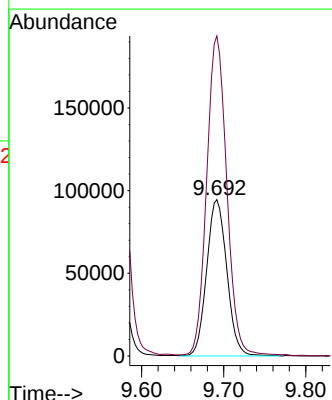
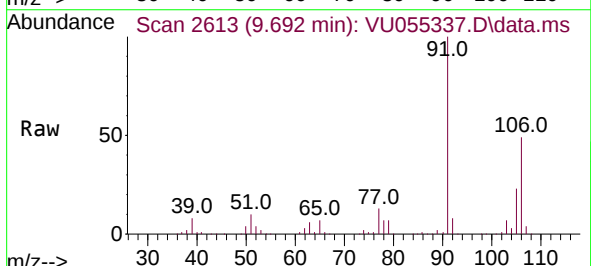
Acq: 15 Sep 2023 13:41

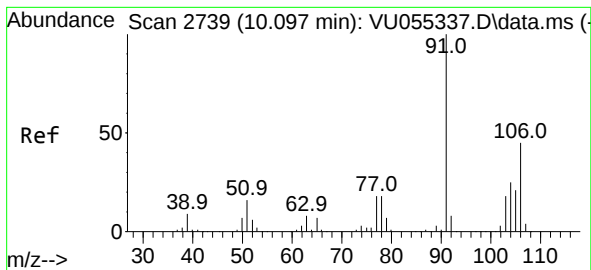
Tgt Ion:106 Resp: 161809

Ion Ratio Lower Upper

106 100

91 204.7 143.3 266.1





#54

o-Xylene

Concen: 5.988 ug/L

RT: 10.097 min Scan# 2739

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

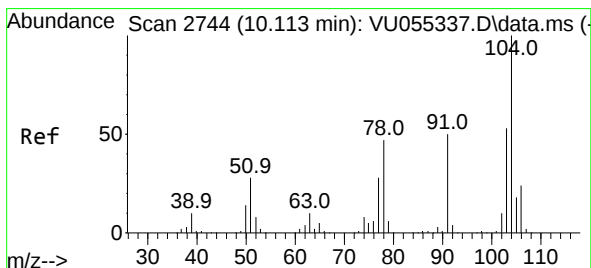
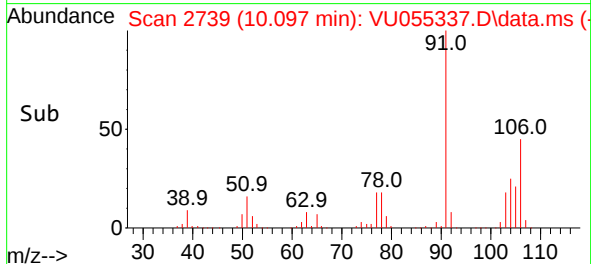
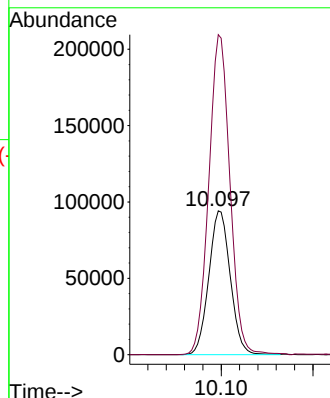
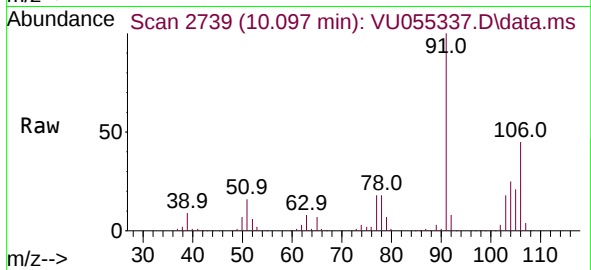
ClientSampleId :

Tgt Ion:106 Resp: 153160

Ion Ratio Lower Upper

106 100

91 222.3 155.6 289.0



#55

Styrene

Concen: 6.082 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VU055337.D

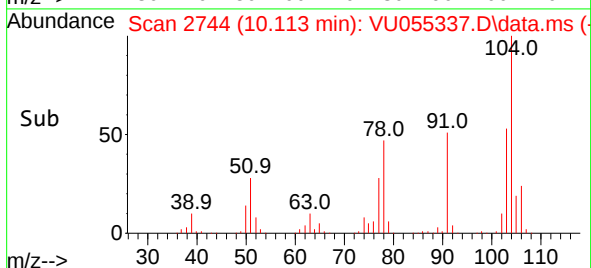
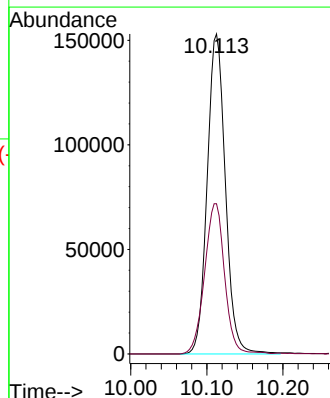
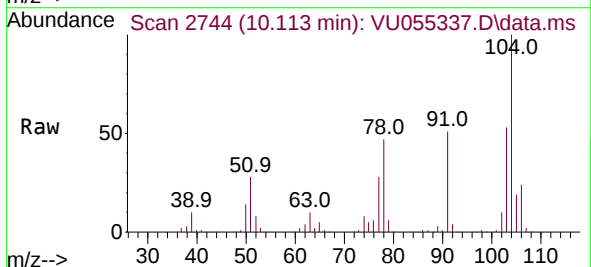
Acq: 15 Sep 2023 13:41

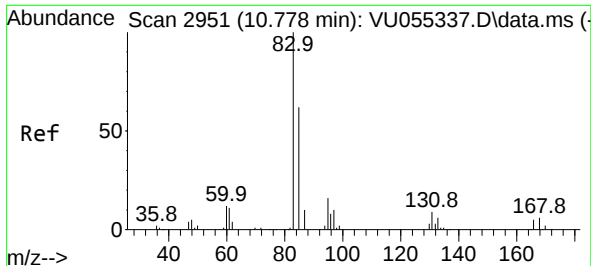
Tgt Ion:104 Resp: 254542

Ion Ratio Lower Upper

104 100

78 47.0 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.396 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

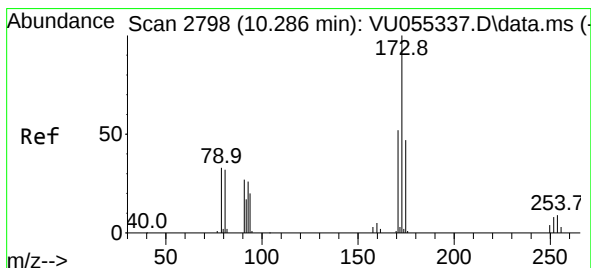
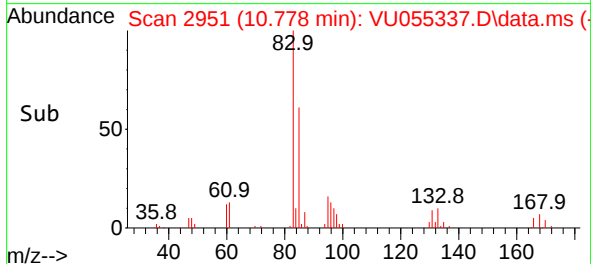
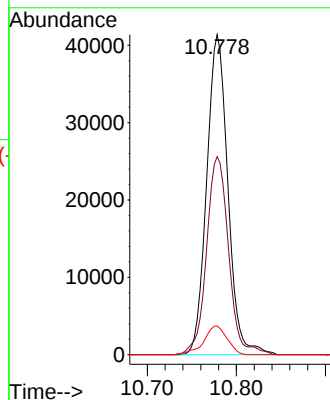
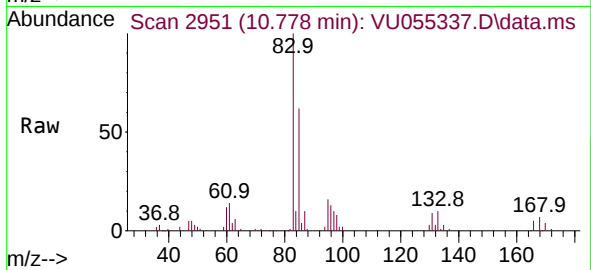
Tgt Ion: 83 Resp: 68302

Ion Ratio Lower Upper

83 100

85 61.9 43.3 80.5

131 9.0 7.2 10.8



#59

Bromoform

Concen: 4.609 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

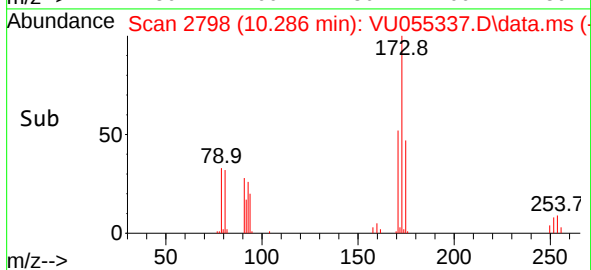
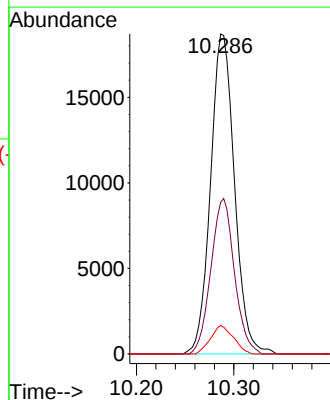
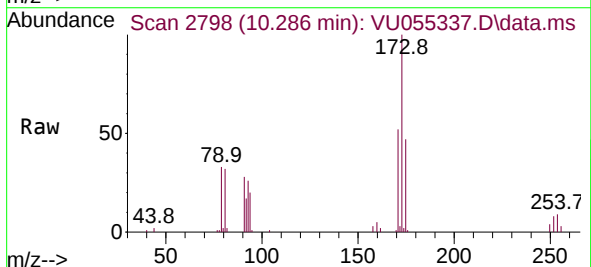
Tgt Ion: 173 Resp: 31927

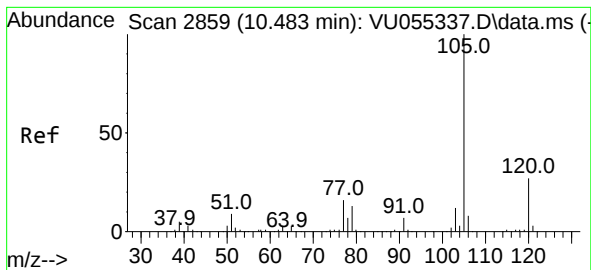
Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

254 8.5 6.8 10.2





#60

Isopropylbenzene

Concen: 5.931 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.000 min

Lab File: VU055337.D

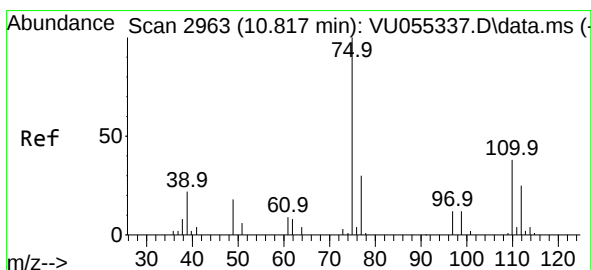
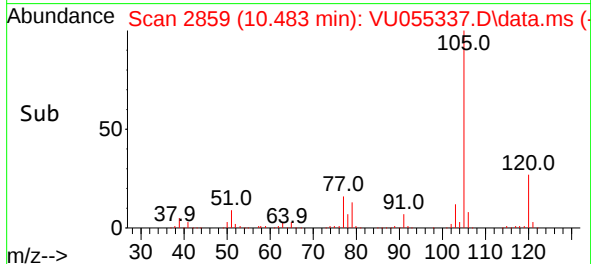
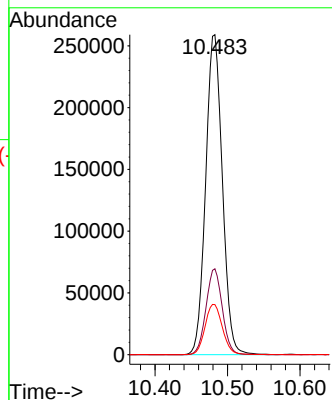
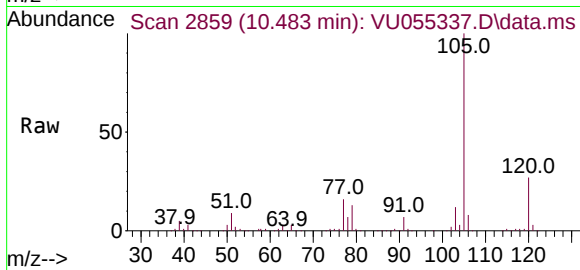
Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	105	Resp:	414106
Ion Ratio	Lower	Upper	
105	100		
120	26.2	21.0	31.4
77	16.4	13.1	19.7



#61

1,2,3-Trichloropropane

Concen: 5.640 ug/L

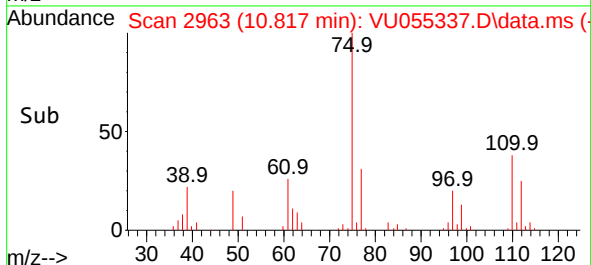
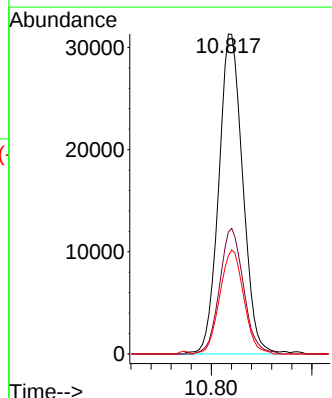
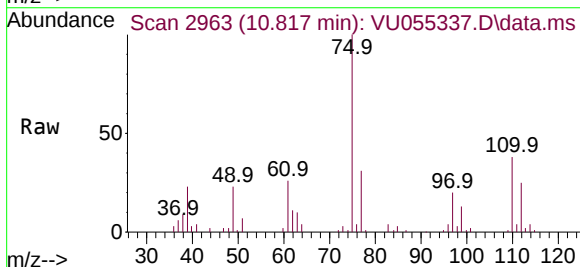
RT: 10.817 min Scan# 2963

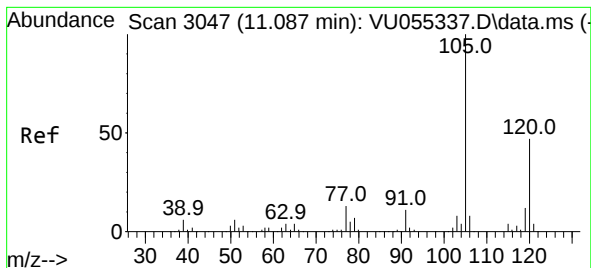
Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Tgt Ion:	75	Resp:	51804
Ion Ratio	Lower	Upper	
75	100		
110	39.3	31.4	47.2
77	32.5	26.0	39.0





#62

1,3,5-Trimethylbenzene

Concen: 5.644 ug/L

RT: 11.087 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

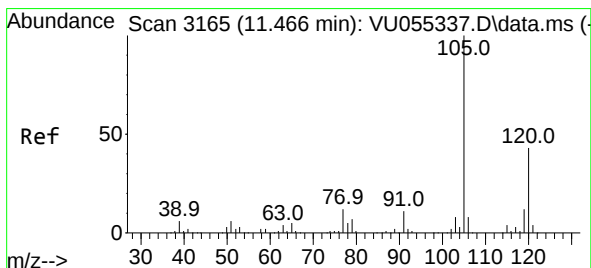
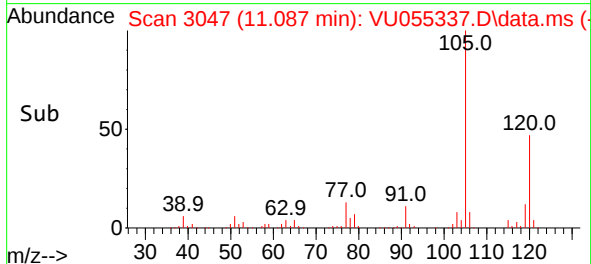
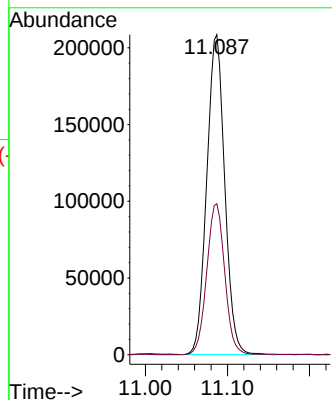
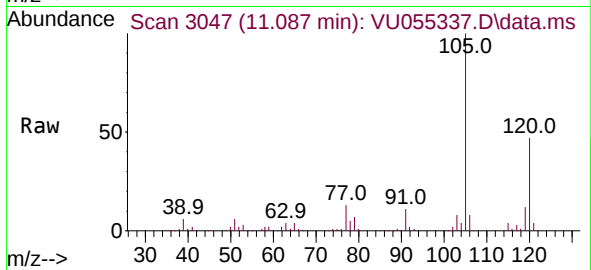
ClientSampleId :

Tgt Ion:105 Resp: 316581

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.719 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VU055337.D

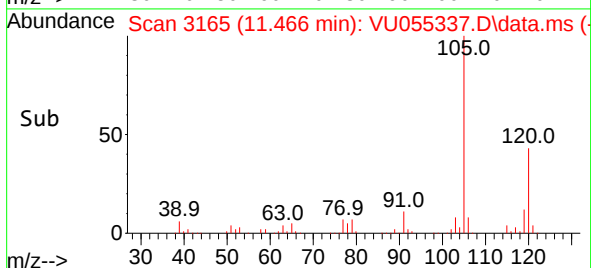
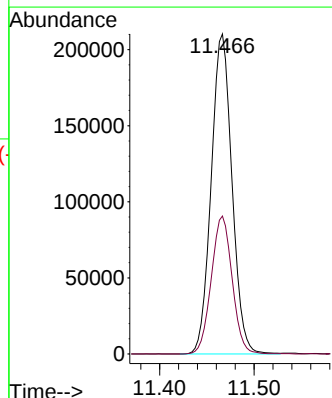
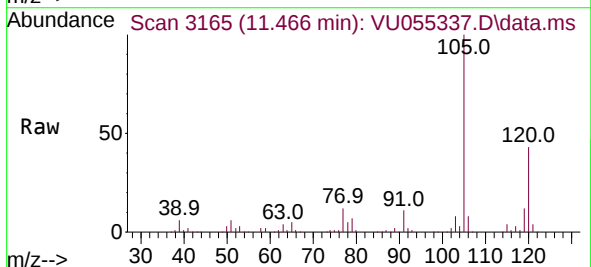
Acq: 15 Sep 2023 13:41

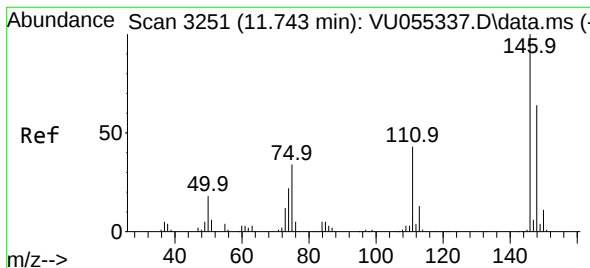
Tgt Ion:105 Resp: 320957

Ion Ratio Lower Upper

105 100

120 43.3 34.6 52.0





#64

1,3-Dichlorobenzene

Concen: 5.413 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

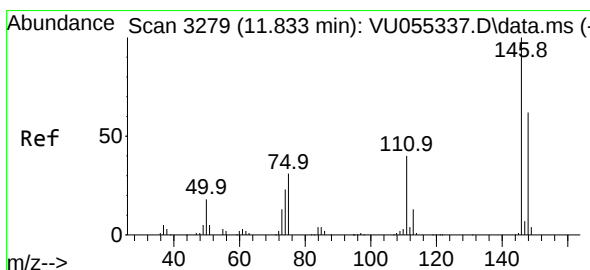
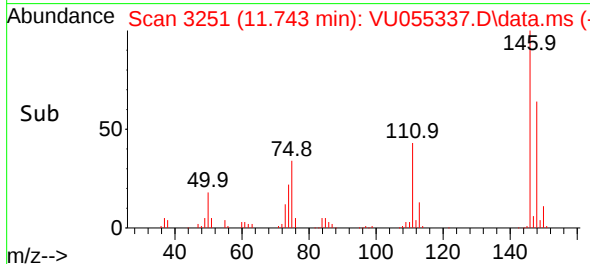
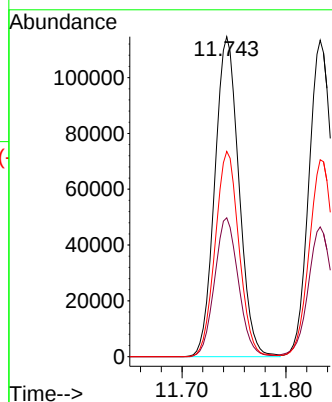
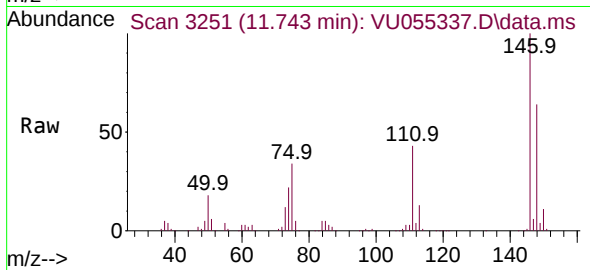
Tgt Ion:146 Resp: 184873

Ion Ratio Lower Upper

146 100

111 43.4 30.4 56.4

148 64.2 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 5.404 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

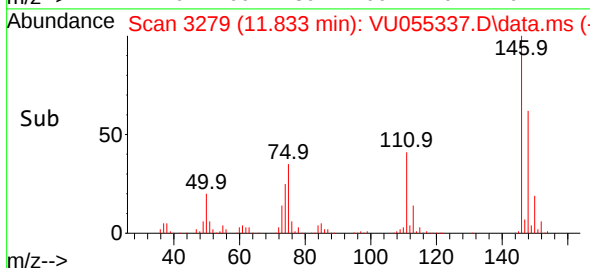
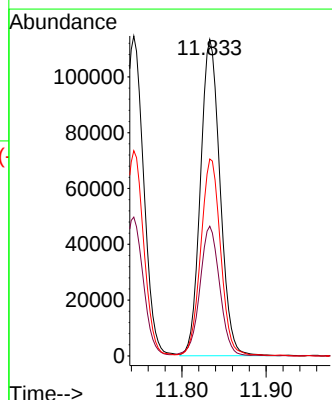
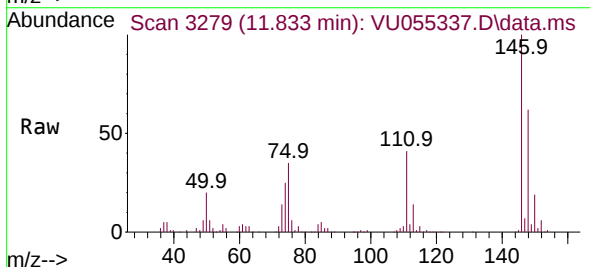
Tgt Ion:146 Resp: 183847

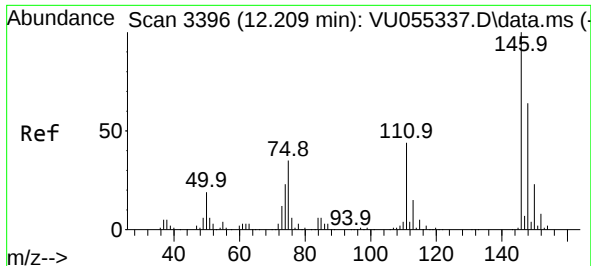
Ion Ratio Lower Upper

146 100

111 41.0 28.7 53.3

148 62.2 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.375 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

Instrument :

MSVOA_U

ClientSampleId :

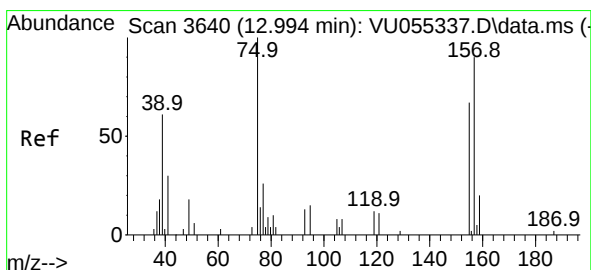
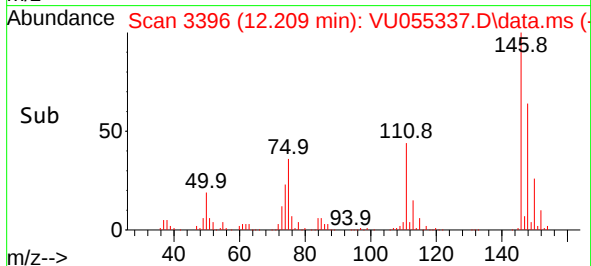
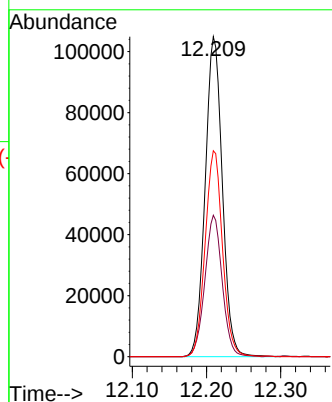
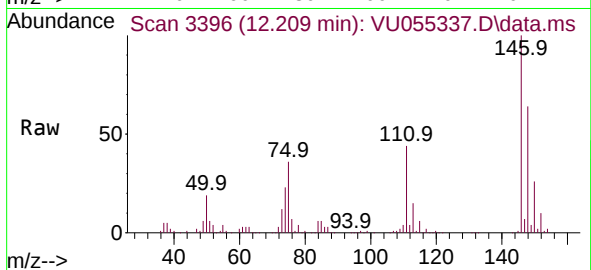
Tgt Ion:146 Resp: 167970

Ion Ratio Lower Upper

146 100

111 44.2 35.4 53.0

148 64.3 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.011 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.000 min

Lab File: VU055337.D

Acq: 15 Sep 2023 13:41

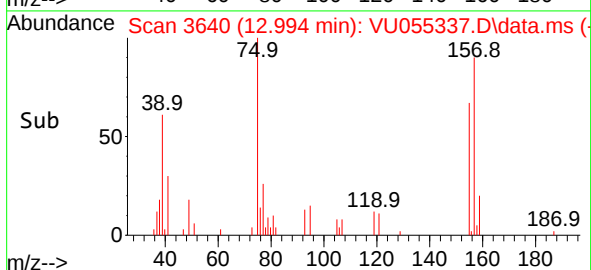
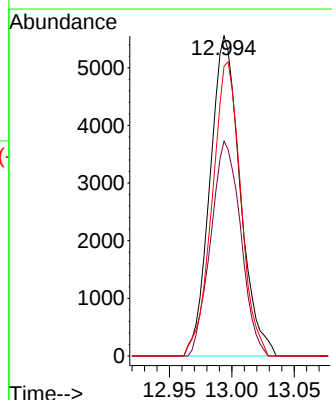
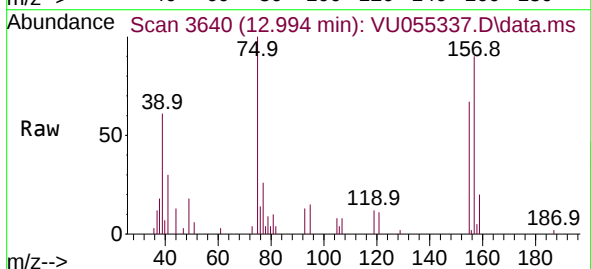
Tgt Ion: 75 Resp: 9338

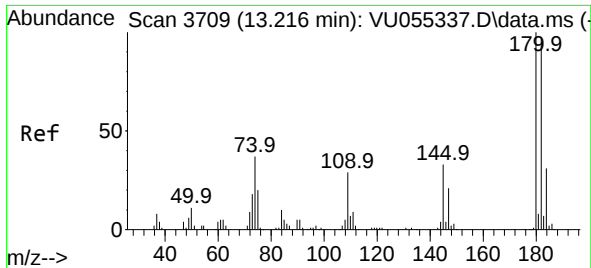
Ion Ratio Lower Upper

75 100

155 67.1 53.7 80.5

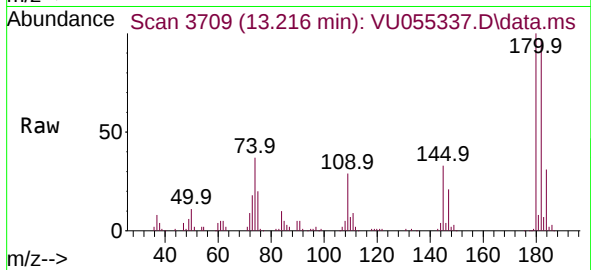
157 90.5 72.4 108.6



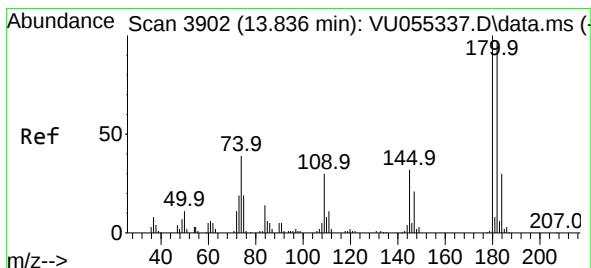
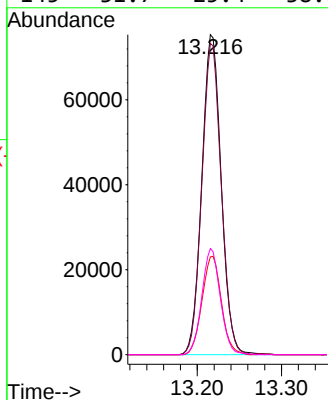
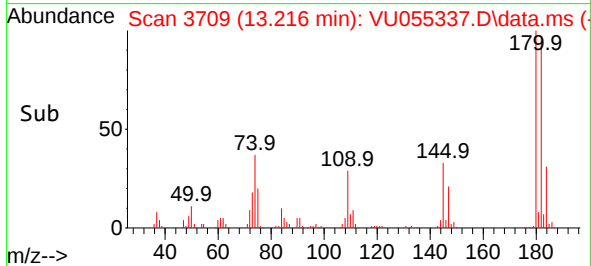


#69
 1,3,5-Trichlorobenzene
 Concen: 4.872 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41

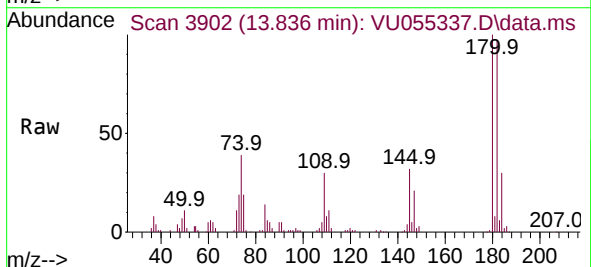
Instrument :
 MSVOA_U
 ClientSampleId :



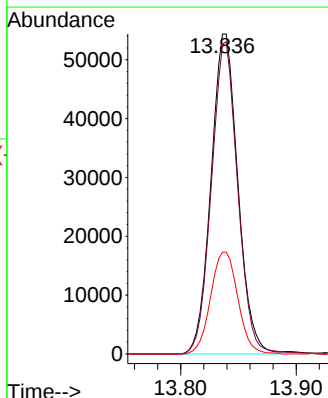
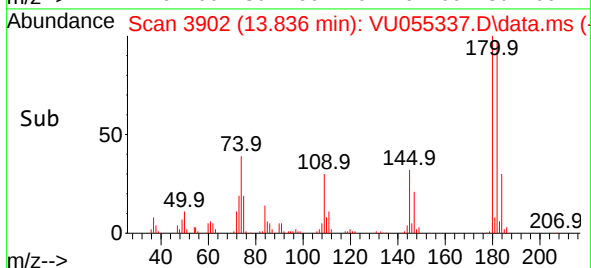
Tgt Ion:180 Resp: 120714
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.4 116.2
 184 30.6 24.5 36.7
 145 31.7 25.4 38.0

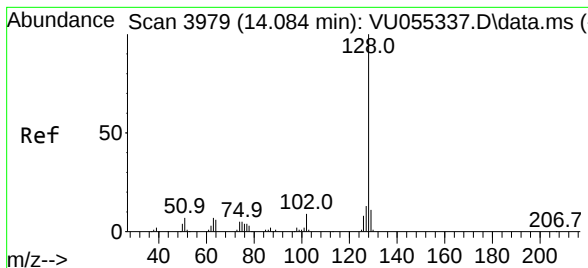


#70
 1,2,4-trichlorobenzene
 Concen: 4.367 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU055337.D
 Acq: 15 Sep 2023 13:41



Tgt Ion:180 Resp: 87752
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 145 32.3 25.8 38.8

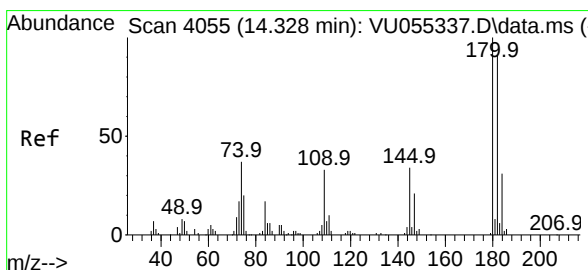
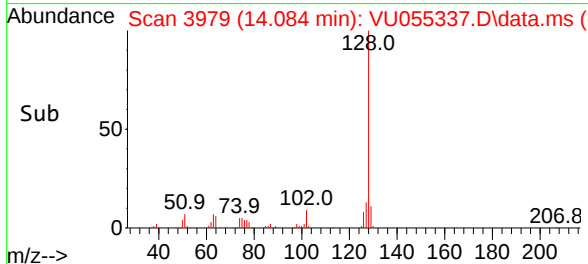
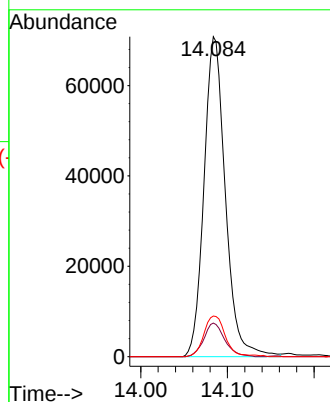
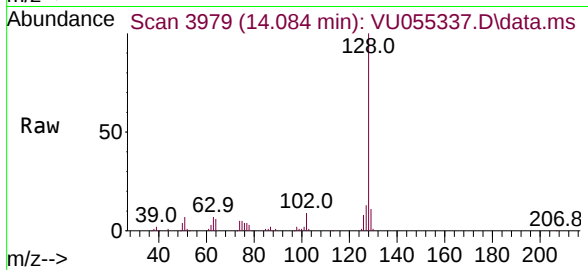




#71
Naphthalene
Concen: 4.200 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 121400
Ion Ratio Lower Upper
128 100
129 10.3 8.2 12.4
127 12.9 10.3 15.5



#72
1,2,3-Trichlorobenzene
Concen: 4.430 ug/L
RT: 14.328 min Scan# 4055
Delta R.T. 0.000 min
Lab File: VU055337.D
Acq: 15 Sep 2023 13:41

Tgt Ion:180 Resp: 74923
Ion Ratio Lower Upper
180 100
182 93.3 74.6 112.0
145 34.1 27.3 40.9

