

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091523\
 Data File : VU055339.D
 Acq On : 15 Sep 2023 14:30
 Operator : MD/SY
 Sample : VSTD02059
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 16 00:17:24 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	230277	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	245914	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	147844	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	258340	19.856	ug/L	0.00
7) Chloroethane-d5	1.910	69	296066	27.547	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	94152	16.937	ug/L	0.00
20) 2-Butanone-d5	4.624	46	807040	314.845	ug/L	0.00
24) Chloroform-d	5.058	84	621171	24.468	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	310022	25.993	ug/L	0.00
32) Benzene-d6	5.724	84	1092053	21.111	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	368426	23.785	ug/L	0.00
41) Toluene-d8	7.894	98	967777	20.123	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	146995	24.536	ug/L	0.00
46) 2-Hexanone-d5	8.630	63	584032	309.695	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	326090	27.906	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	400890	21.402	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	396947	21.641	ug/L	100
3) Chloromethane	1.515	50	383246	22.130	ug/L	98
5) Vinyl chloride	1.602	62	409913	22.479	ug/L	99
6) Bromomethane	1.856	94	313649	26.402	ug/L	100
8) Chloroethane	1.930	64	329893	26.613	ug/L	99
9) Trichlorofluoromethane	2.132	101	679564	23.320	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	322155	20.008	ug/L	98
12) 1,1-Dichloroethene	2.576	96	297298	20.628	ug/L	97
13) Acetone	2.640	43	410353	142.273	ug/L	99
14) Carbon disulfide	2.788	76	968667	25.130	ug/L	99
15) Methyl Acetate	2.952	43	101670	19.070	ug/L	94
16) Methylene chloride	3.039	84	345118	17.846	ug/L	96
17) Methyl tert-butyl Ether	3.357	73	766635	21.387	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	332910	22.275	ug/L	98
19) 1,1-Dichloroethane	3.862	63	639842	21.431	ug/L	97
21) 2-Butanone	4.705	43	774746	196.178	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	403030	23.153	ug/L	96
23) Bromochloromethane	4.971	128	161527	21.584	ug/L	94
25) Chloroform	5.084	83	700740	21.688	ug/L	96
27) 1,2-Dichloroethane	5.791	62	425471	22.634	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	614115	19.940	ug/L	98
30) Cyclohexane	5.386	56	602199	23.195	ug/L	97
31) Carbon tetrachloride	5.521	117	528453	20.026	ug/L	99
33) Benzene	5.772	78	1578508	22.047	ug/L	100
34) Trichloroethene	6.537	95	440766	22.701	ug/L	95
35) Methylcyclohexane	6.759	83	697553	24.295	ug/L	99
37) 1,2-Dichloropropane	6.788	63	400313	21.277	ug/L	100
38) Bromodichloromethane	7.103	83	501625	21.384	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	614461	22.455	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	2029184	216.869	ug/L	97
42) Toluene	7.968	91	1795141	23.459	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	498902	22.499	ug/L	98

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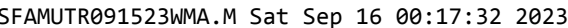
Quant Time: Sep 16 00:17:24 2023
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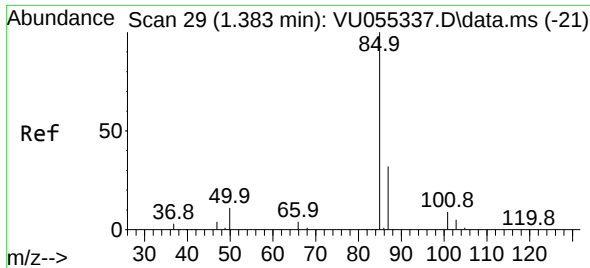
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.396	97	286276	21.539	ug/L	98
47) Tetrachloroethene	8.550	164	322220	21.113	ug/L	96
48) 2-Hexanone	8.682	43	1525035	213.540	ug/L	96
49) Dibromochloromethane	8.807	129	326975	22.265	ug/L	97
50) 1,2-Dibromoethane	8.920	107	274091	22.116	ug/L #	98
51) Chlorobenzene	9.444	112	1125830	22.033	ug/L	99
52) Ethylbenzene	9.566	91	2035959	23.933	ug/L	100
53) m,p-Xylene	9.691	106	793671	24.588	ug/L	100
54) o-Xylene	10.097	106	767014	24.202	ug/L	98
55) Styrene	10.110	104	1299960	25.069	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	324733	20.706	ug/L	97
59) Bromoform	10.290	173	179158	19.376	ug/L	98
60) Isopropylbenzene	10.479	105	2080970	22.325	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	245230	20.000	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	1701482	22.724	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	1781874	23.783	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	930618	20.413	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	924977	20.366	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	848507	20.341	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	48189	19.373	ug/L	83
69) 1,3,5-Trichlorobenzene	13.215	180	682289	20.627	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	551211	20.549	ug/L	99
71) Naphthalene	14.084	128	818868	21.224	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	476165	21.088	ug/L	100

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

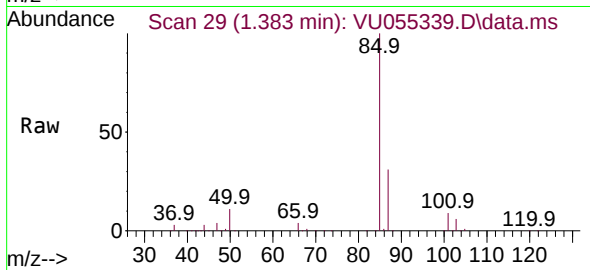
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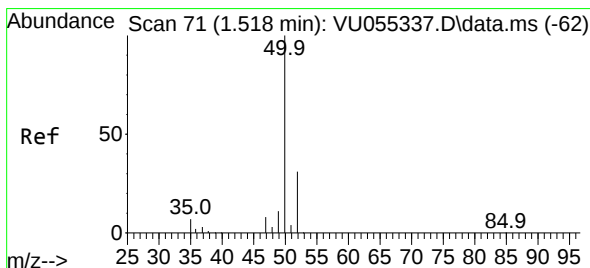
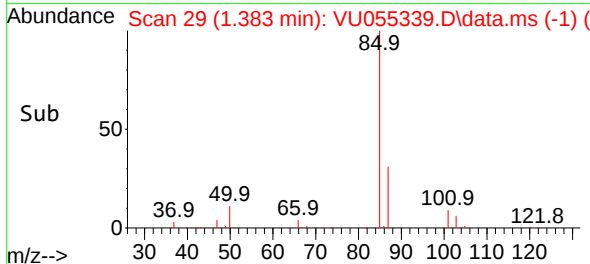
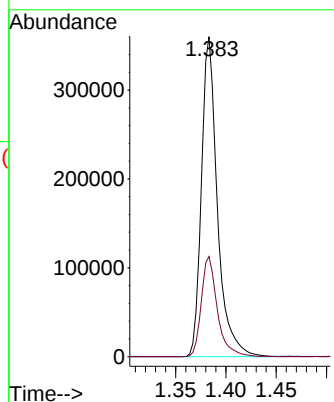


#2
 Dichlorodifluoromethane
 Concen: 21.641 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

Instrument :
 MSVOA_U
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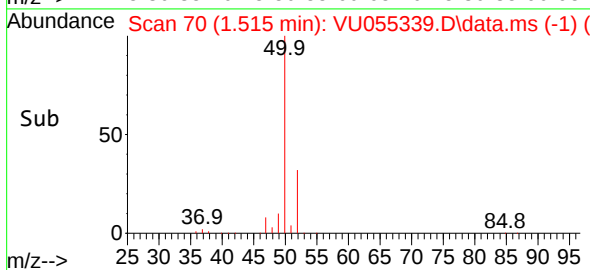
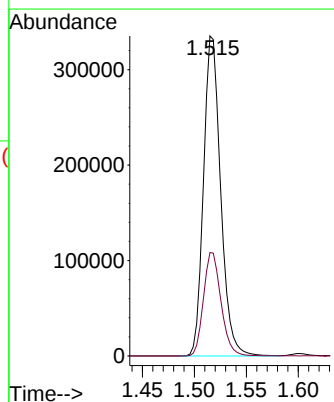
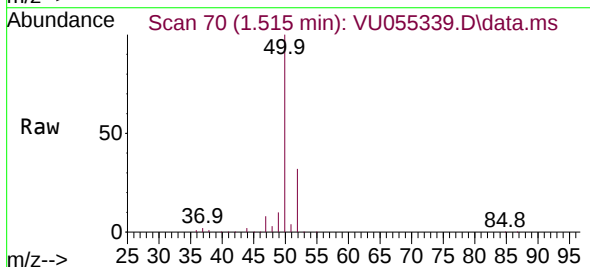


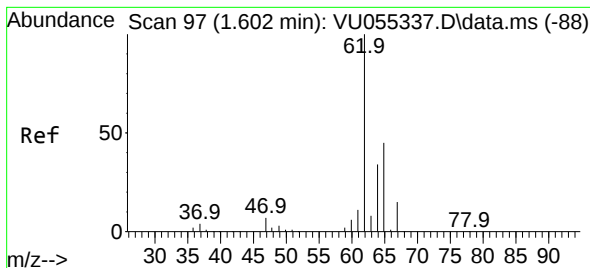
Tgt Ion: 85 Resp: 396947
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.3 37.9



#3
 Chloromethane
 Concen: 22.130 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

Tgt Ion: 50 Resp: 383246
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.0 40.8





#5

Vinyl chloride

Concen: 22.479 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

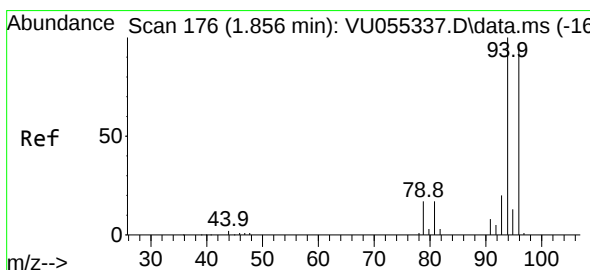
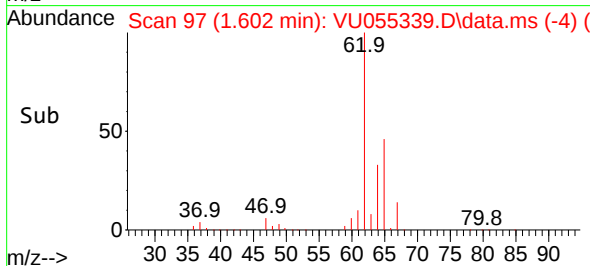
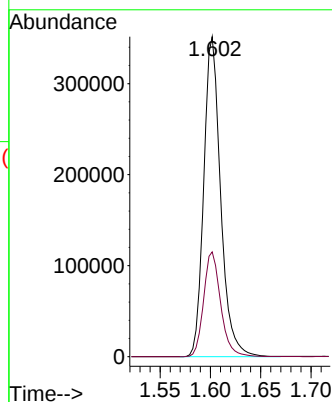
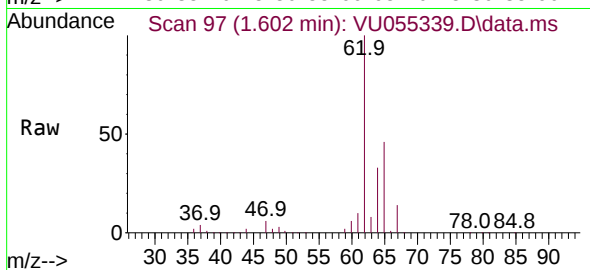
ClientSampleId :

Tgt Ion: 62 Resp: 409913

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.6



#6

Bromomethane

Concen: 26.402 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.000 min

Lab File: VU055339.D

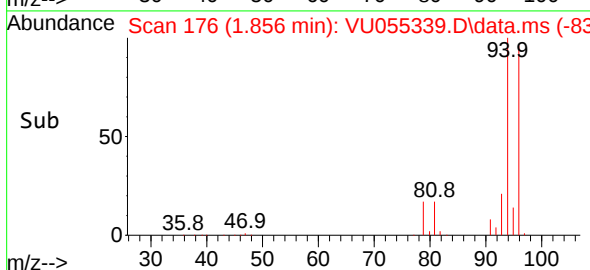
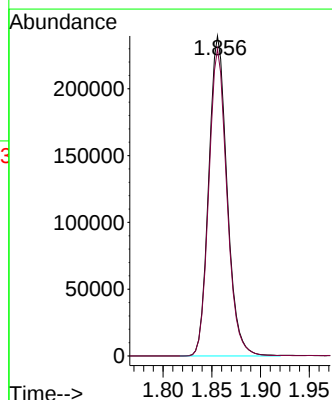
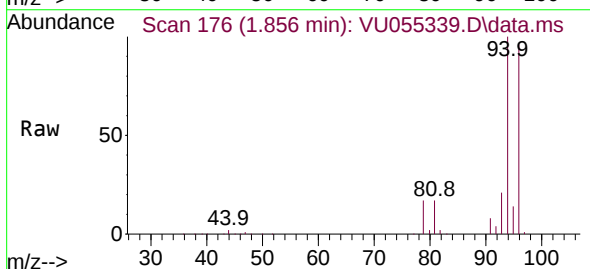
Acq: 15 Sep 2023 14:30

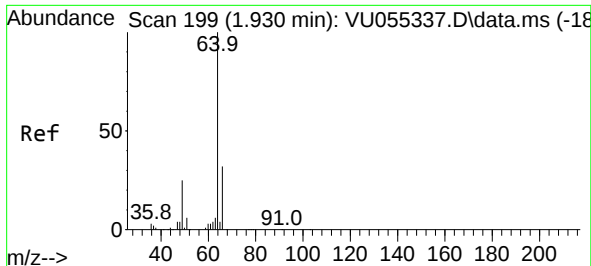
Tgt Ion: 94 Resp: 313649

Ion Ratio Lower Upper

94 100

96 96.0 66.9 124.3

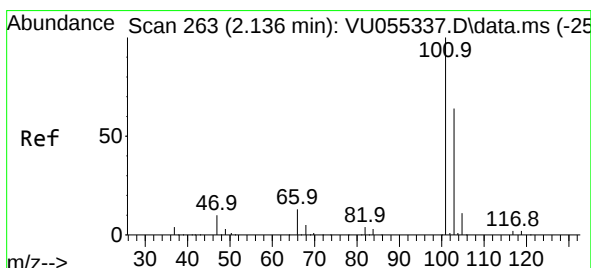
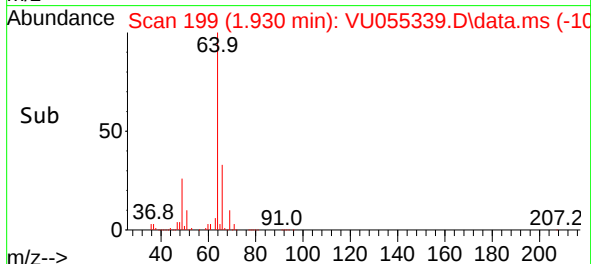
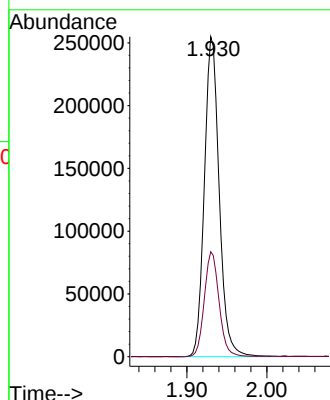
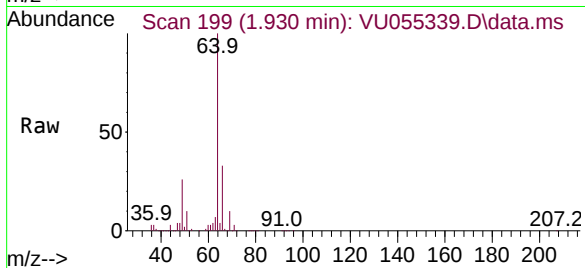




#8
Chloroethane
Concen: 26.613 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

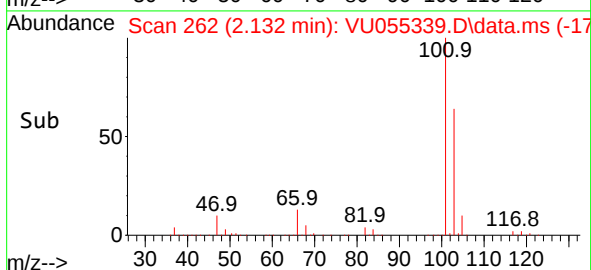
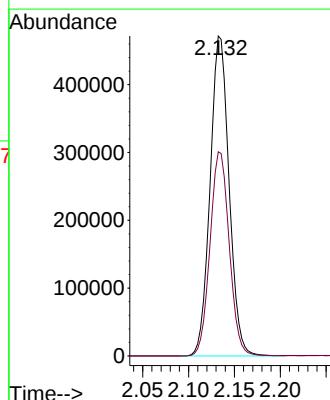
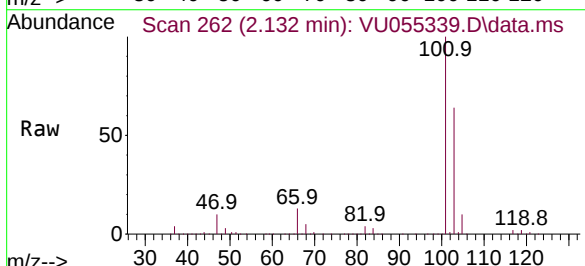
Instrument :
MSVOA_U
ClientSampleId :

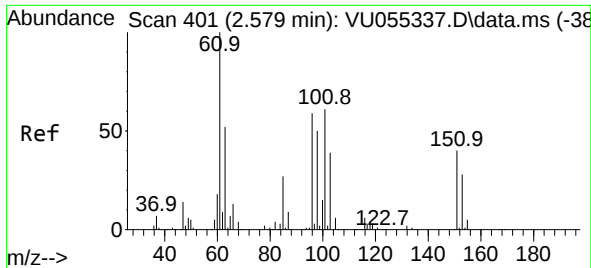
Tgt Ion: 64 Resp: 329893
Ion Ratio Lower Upper
64 100
66 32.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 23.320 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion:101 Resp: 679564
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8

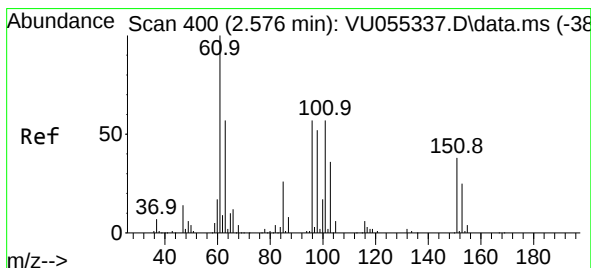
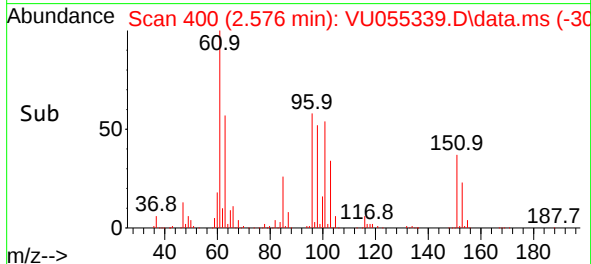
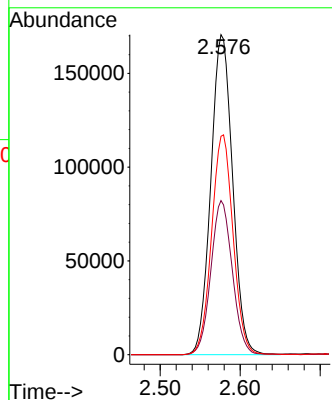
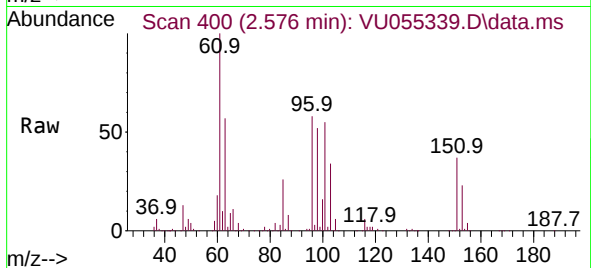




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.008 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.003 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

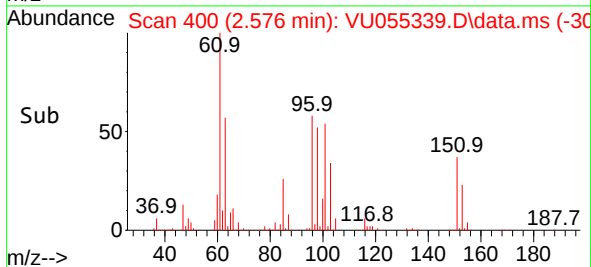
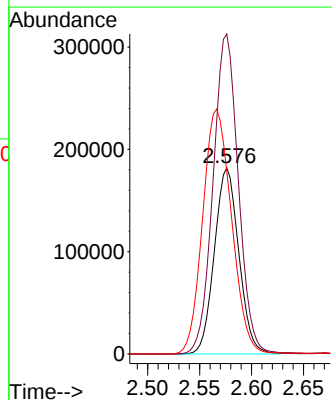
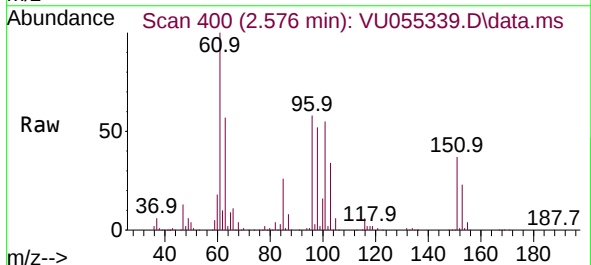
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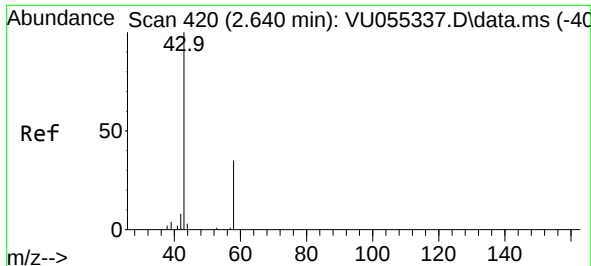
Tgt Ion:101 Resp: 322155
 Ion Ratio Lower Upper
 101 100
 85 47.5 36.5 54.7
 151 68.0 53.8 80.8



#12
 1,1-Dichloroethene
 Concen: 20.628 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

Tgt Ion: 96 Resp: 297298
 Ion Ratio Lower Upper
 96 100
 61 171.9 122.8 228.0
 63 98.2 71.7 133.3





#13

Acetone

Concen: 142.273 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

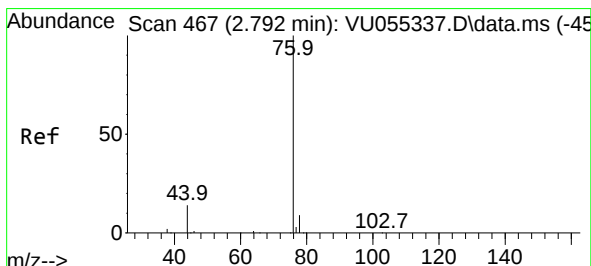
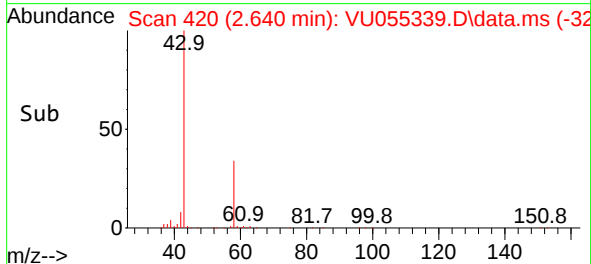
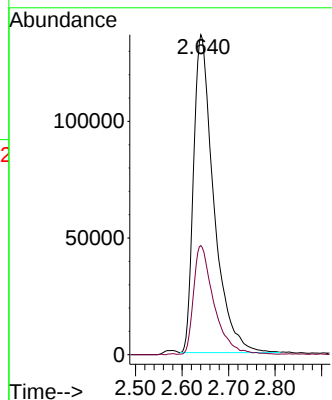
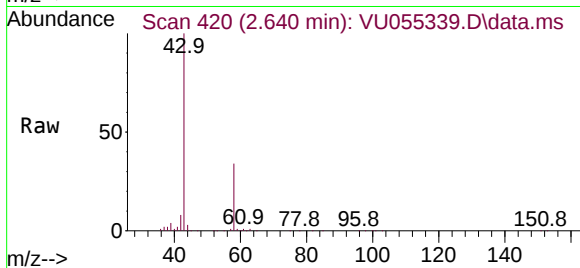
ClientSampleId :

Tgt Ion: 43 Resp: 410353

Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.4



#14

Carbon disulfide

Concen: 25.130 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU055339.D

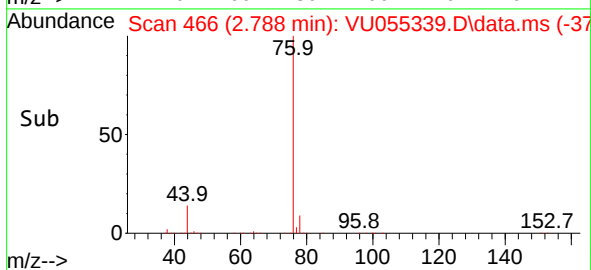
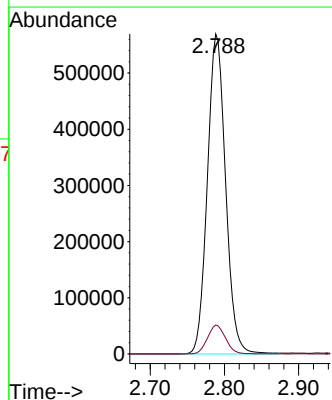
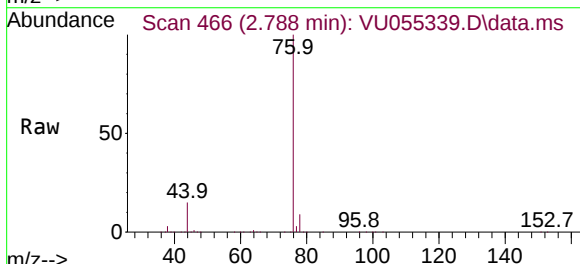
Acq: 15 Sep 2023 14:30

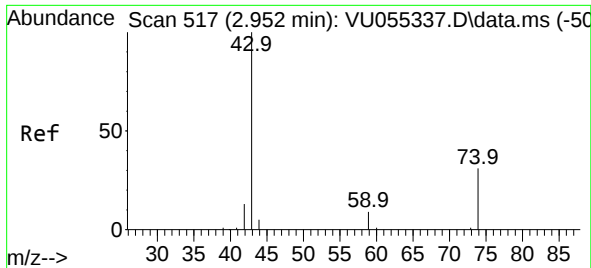
Tgt Ion: 76 Resp: 968667

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

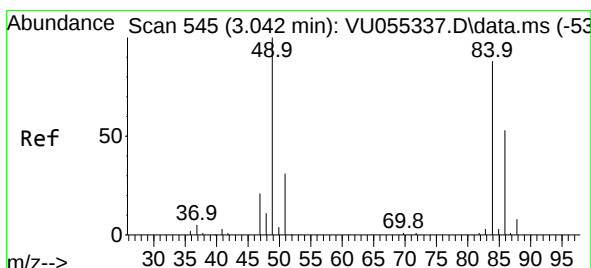
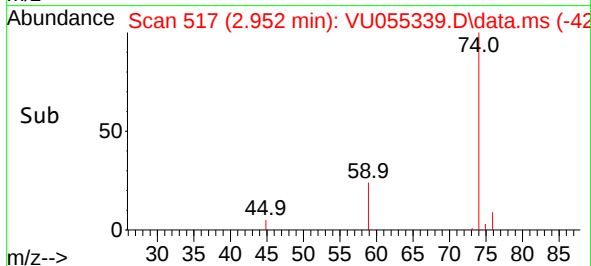
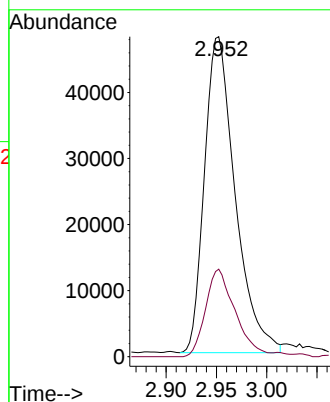
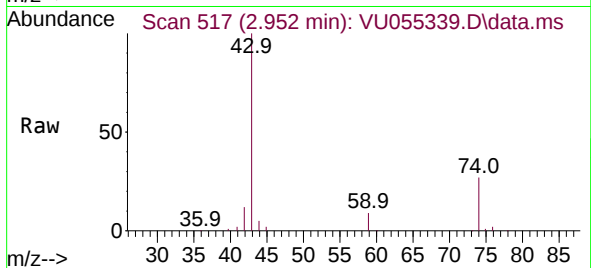




#15
Methyl Acetate
Concen: 19.070 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

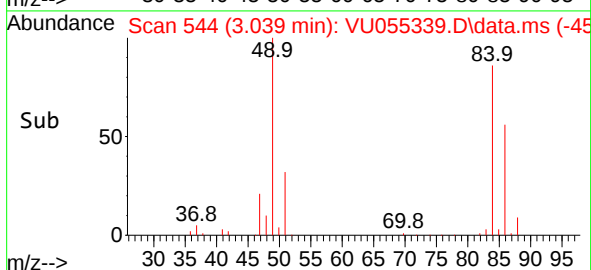
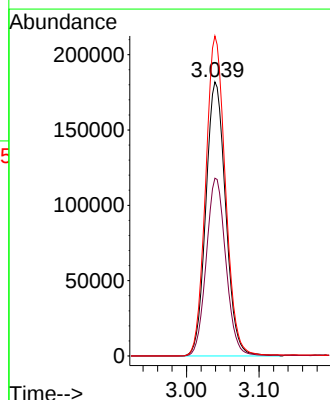
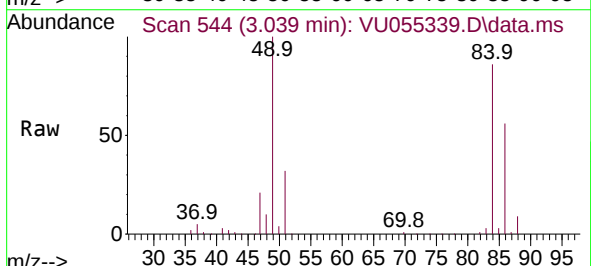
Instrument :
MSVOA_U
ClientSampleId :

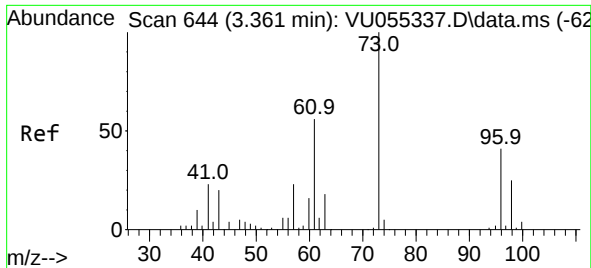
Tgt Ion: 43 Resp: 101670
Ion Ratio Lower Upper
43 100
74 26.6 23.9 35.9



#16
Methylene chloride
Concen: 17.846 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion: 84 Resp: 345118
Ion Ratio Lower Upper
84 100
86 64.9 42.4 78.8
49 116.8 79.9 148.3

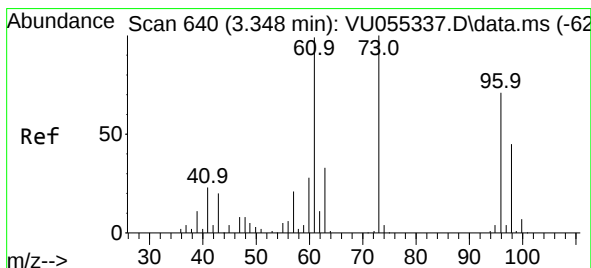
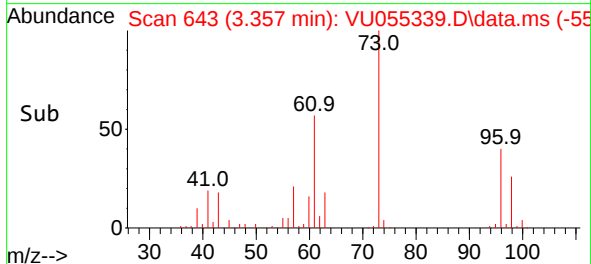
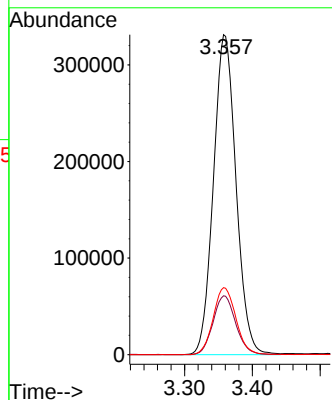
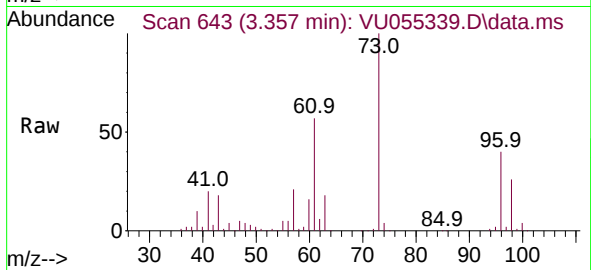




#17
Methyl tert-butyl Ether
Concen: 21.387 ug/L
RT: 3.357 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

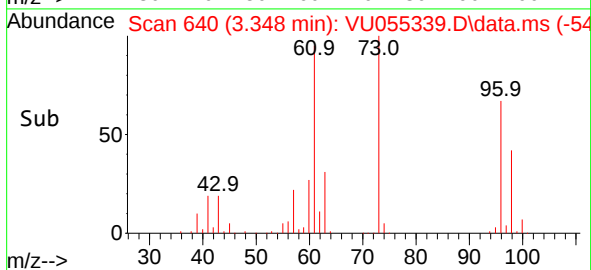
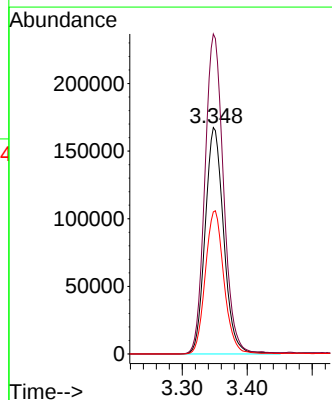
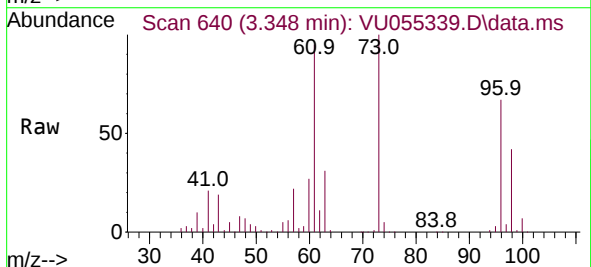
Instrument :
MSVOA_U
ClientSampleId :

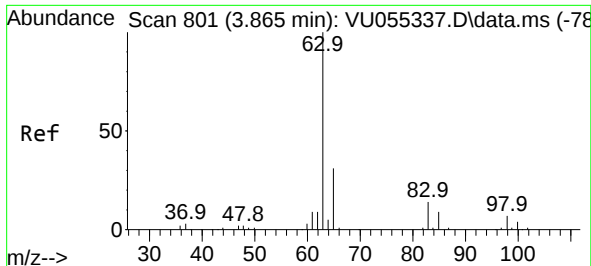
Tgt Ion: 73 Resp: 766635
Ion Ratio Lower Upper
73 100
43 18.4 16.0 24.0
57 21.1 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 22.275 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion: 96 Resp: 332910
Ion Ratio Lower Upper
96 100
61 141.3 97.4 181.0
98 62.8 44.6 82.8

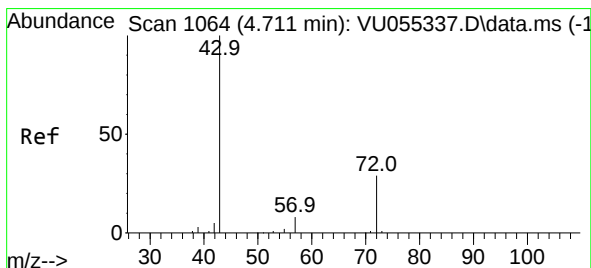
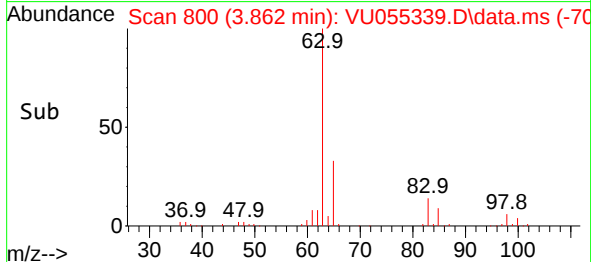
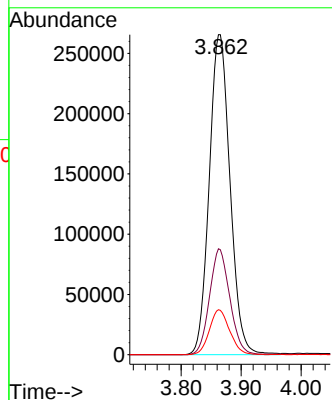
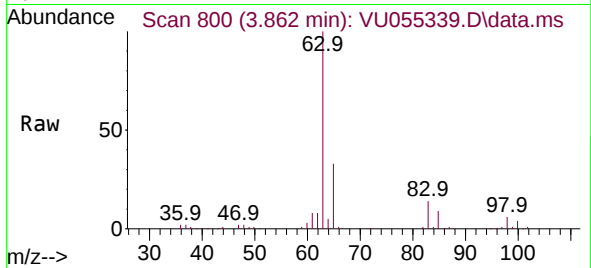




#19
1,1-Dichloroethane
Concen: 21.431 ug/L
RT: 3.862 min Scan# 801
Delta R.T. -0.003 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

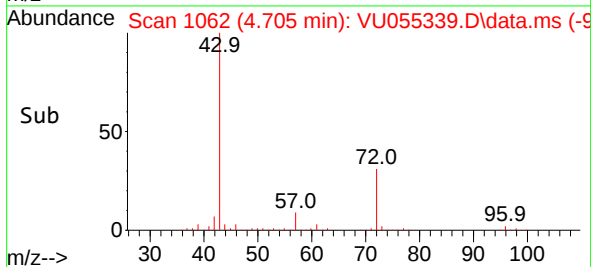
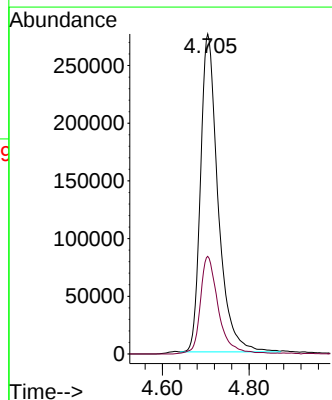
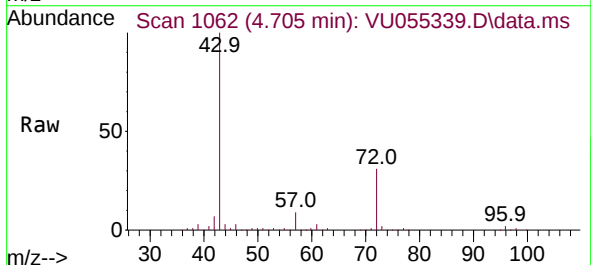
Instrument :
MSVOA_U
ClientSampleId :

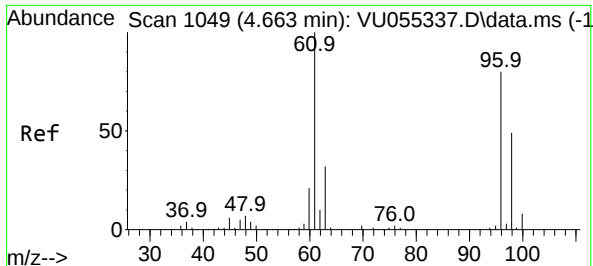
Tgt Ion: 63 Resp: 639842
Ion Ratio Lower Upper
63 100
65 33.1 21.8 40.6
83 14.1 9.7 17.9



#21
2-Butanone
Concen: 196.178 ug/L
RT: 4.705 min Scan# 1062
Delta R.T. -0.007 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

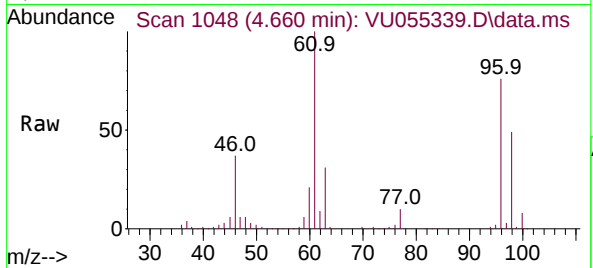
Tgt Ion: 43 Resp: 774746
Ion Ratio Lower Upper
43 100
72 31.3 15.2 45.5



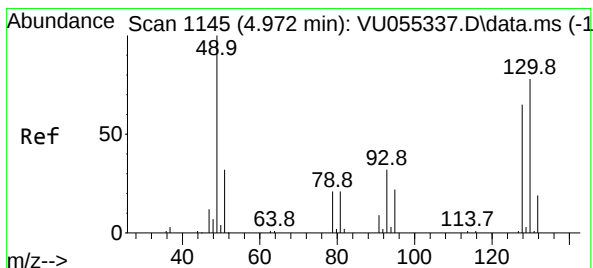
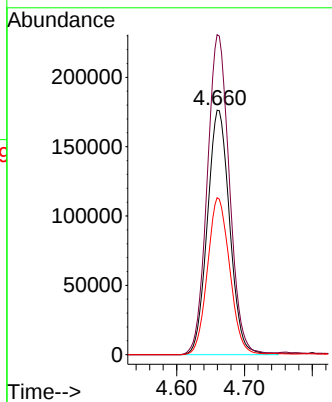
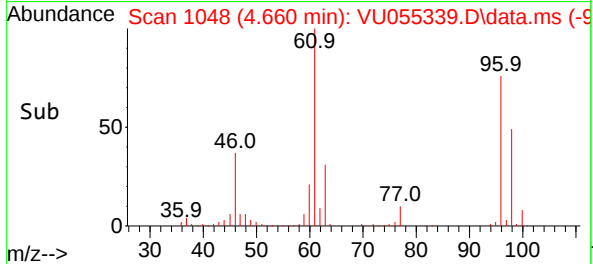


#22
 cis-1,2-Dichloroethene
 Concen: 23.153 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

Instrument :
 MSVOA_U
 ClientSampleId :

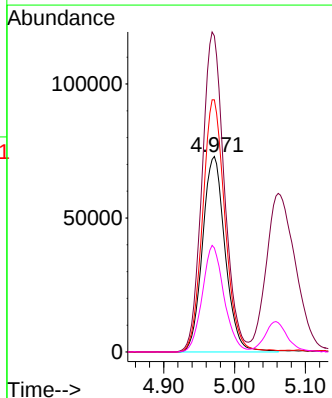
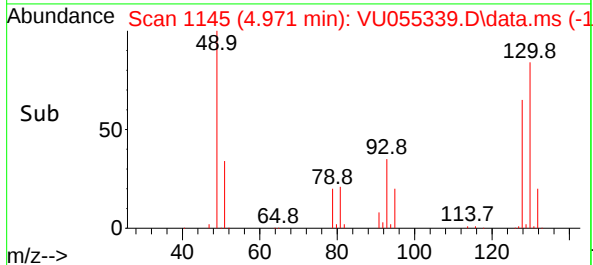
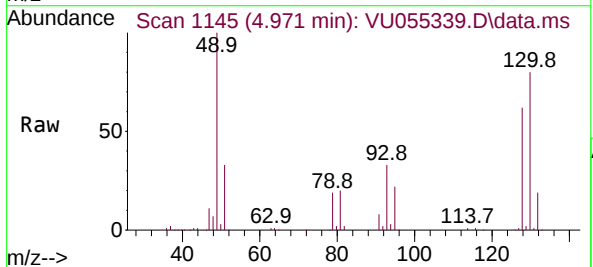


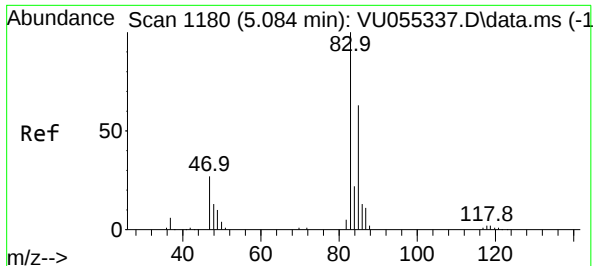
Tgt Ion: 96 Resp: 403030
 Ion Ratio Lower Upper
 96 100
 61 130.9 88.1 163.7
 98 64.2 43.5 80.7



#23
 Bromochloromethane
 Concen: 21.584 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

Tgt Ion:128 Resp: 161527
 Ion Ratio Lower Upper
 128 100
 49 161.6 108.1 200.9
 130 128.9 84.3 156.5
 51 53.2 39.7 59.5





#25

Chloroform

Concen: 21.688 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

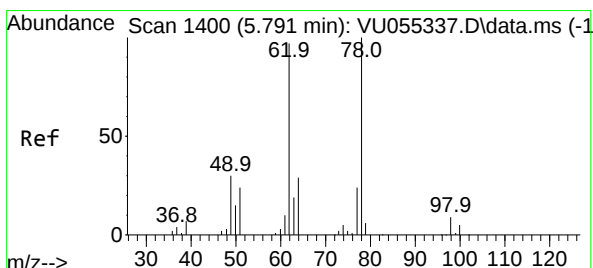
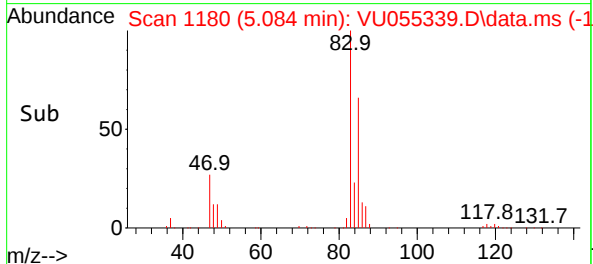
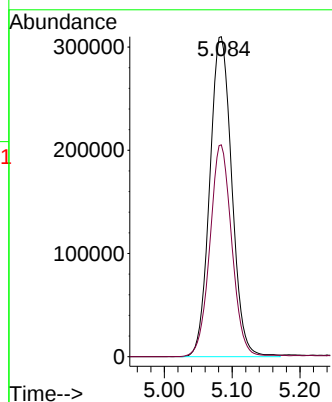
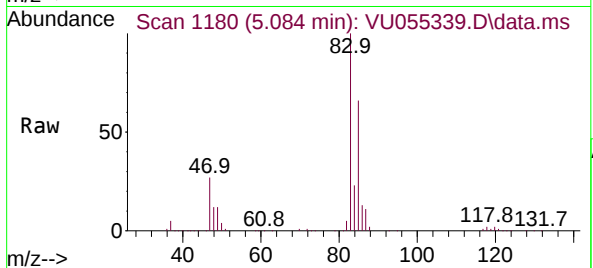
ClientSampleId :

Tgt Ion: 83 Resp: 700740

Ion Ratio Lower Upper

83 100

85 66.2 44.4 82.4



#27

1,2-Dichloroethane

Concen: 22.634 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055339.D

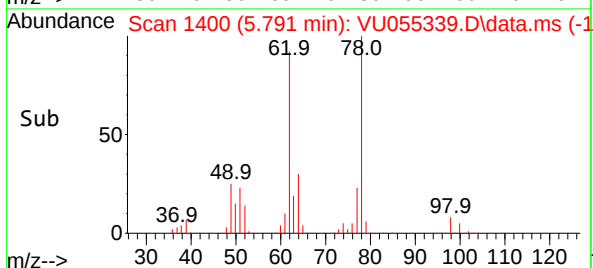
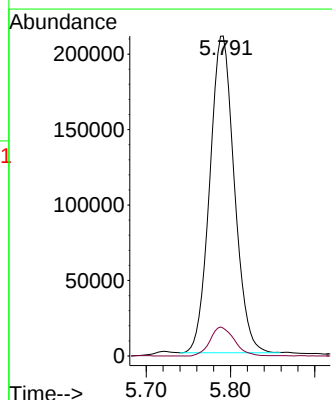
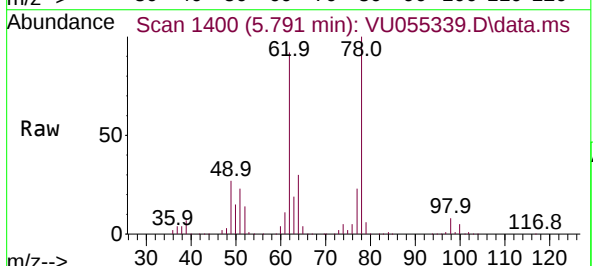
Acq: 15 Sep 2023 14:30

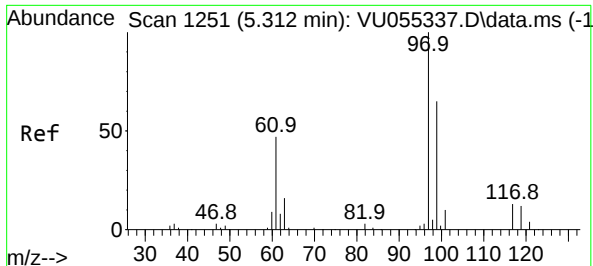
Tgt Ion: 62 Resp: 425471

Ion Ratio Lower Upper

62 100

98 8.7 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 19.940 ug/L

RT: 5.312 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

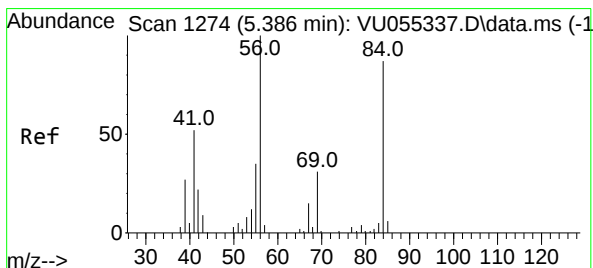
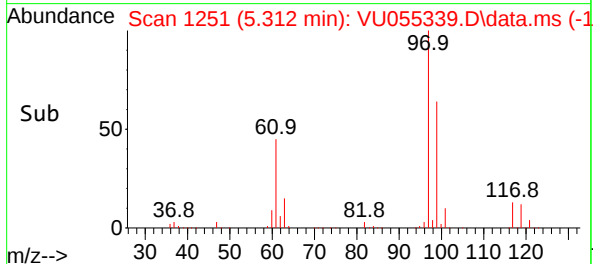
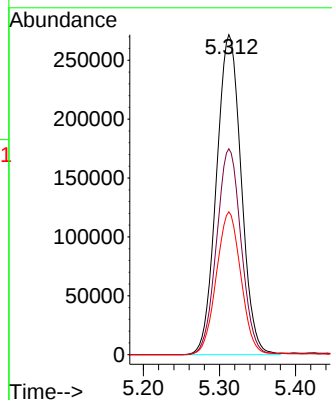
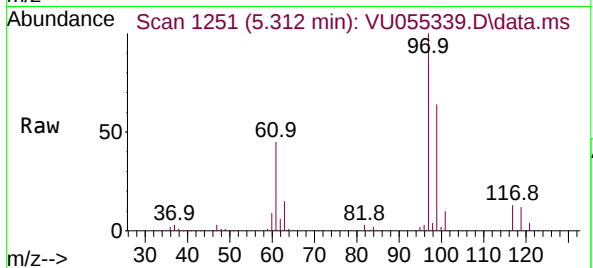
Tgt Ion: 97 Resp: 614115

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 44.4 37.6 56.4



#30

Cyclohexane

Concen: 23.195 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

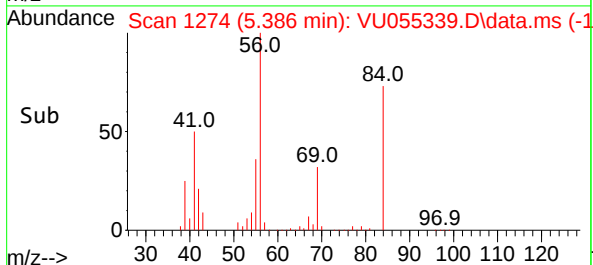
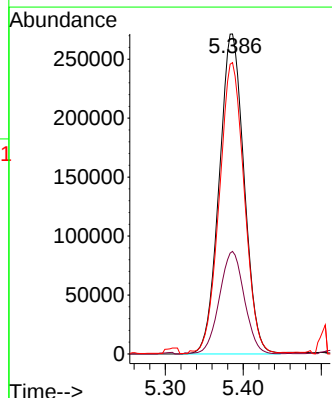
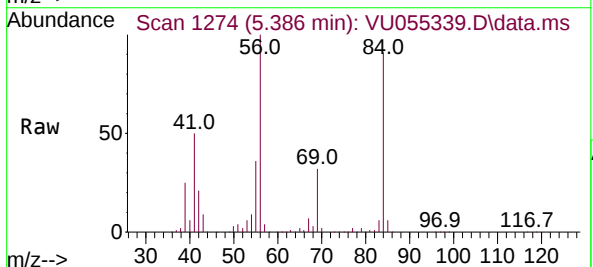
Tgt Ion: 56 Resp: 602199

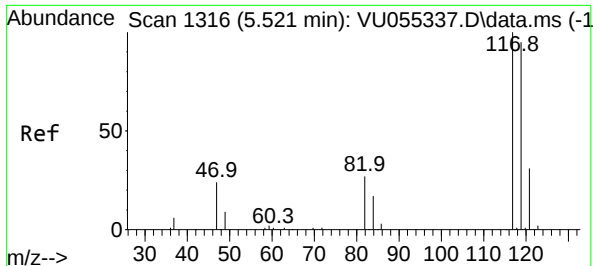
Ion Ratio Lower Upper

56 100

69 31.8 25.0 37.6

84 91.1 70.2 105.4

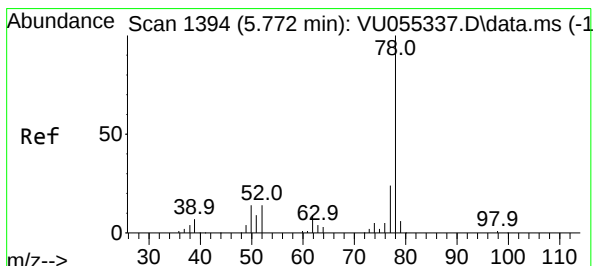
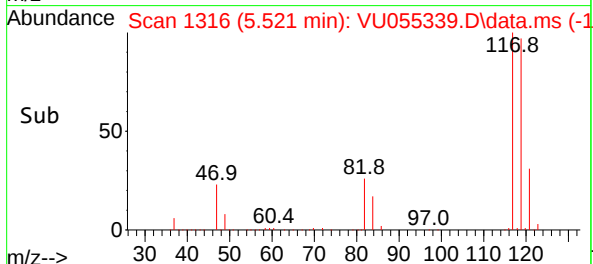
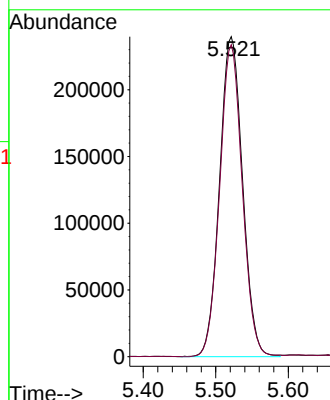
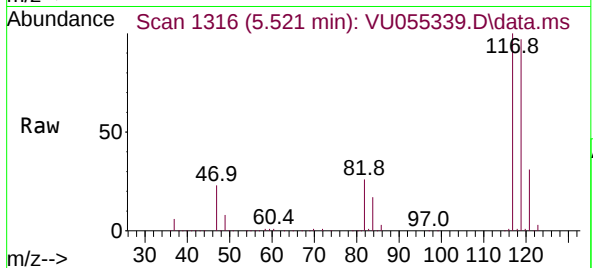




#31
Carbon tetrachloride
Concen: 20.026 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

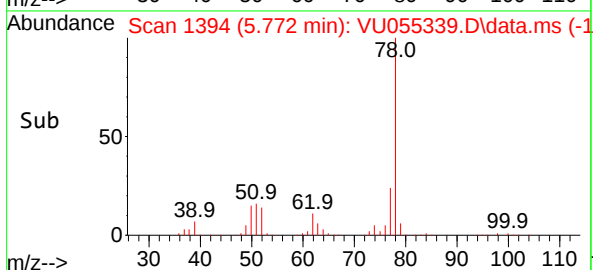
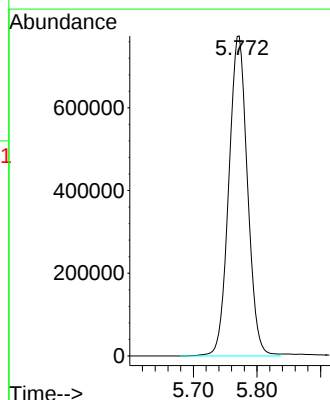
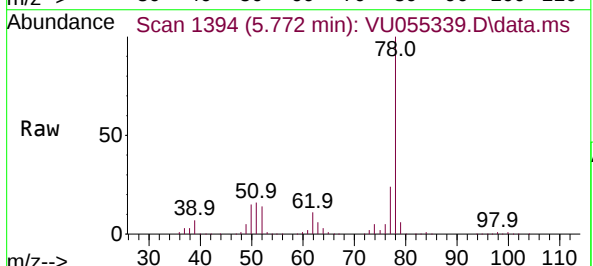
Instrument :
MSVOA_U
ClientSampleId :

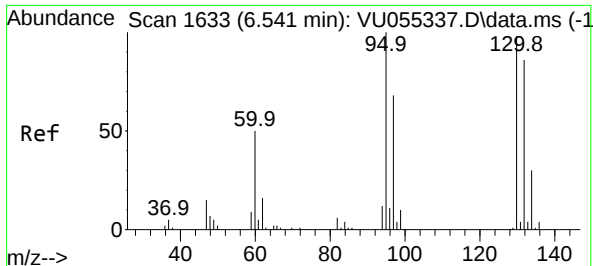
Tgt Ion:117 Resp: 528453
Ion Ratio Lower Upper
117 100
119 95.7 77.5 116.3



#33
Benzene
Concen: 22.047 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion: 78 Resp: 1578508





#34

Trichloroethene

Concen: 22.701 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 440766

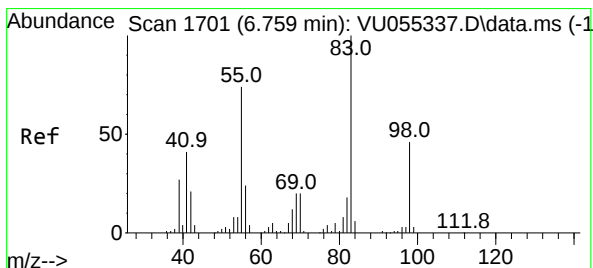
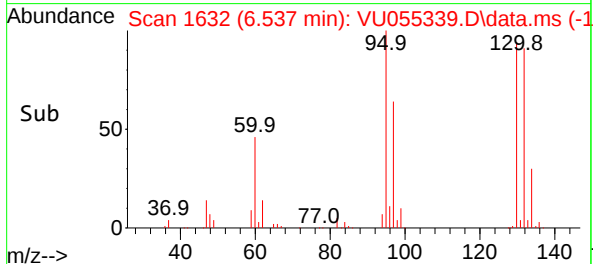
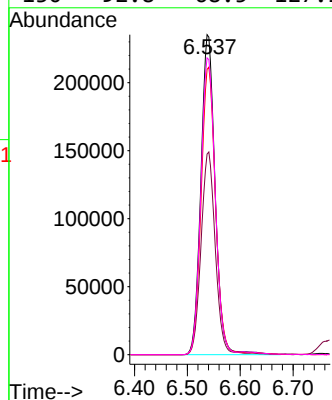
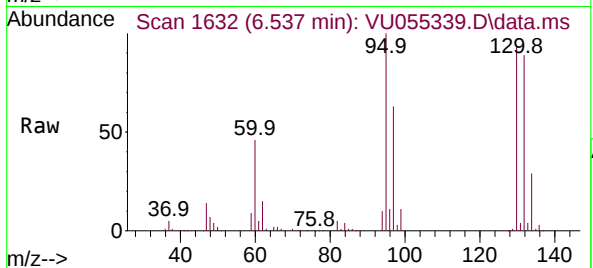
Ion Ratio Lower Upper

95 100

97 62.7 47.4 88.0

132 89.2 60.5 112.3

130 92.8 68.5 127.1



#35

Methylcyclohexane

Concen: 24.295 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

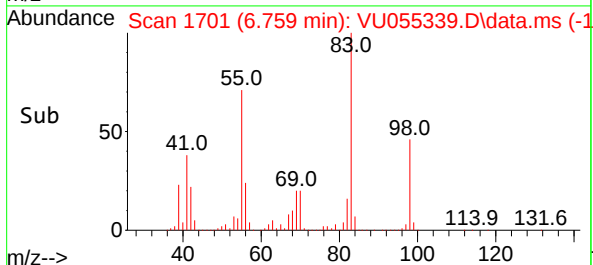
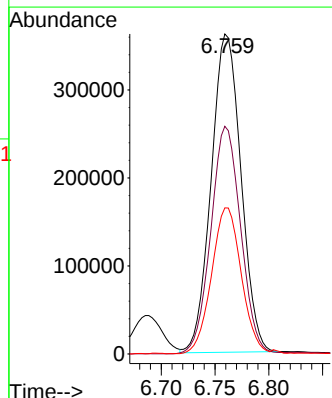
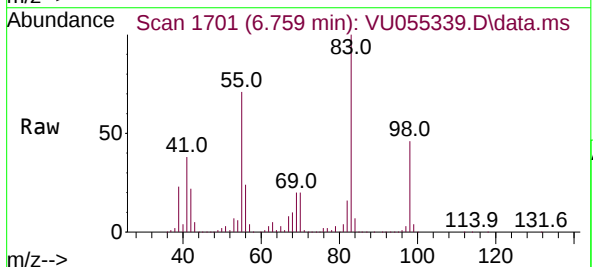
Tgt Ion: 83 Resp: 697553

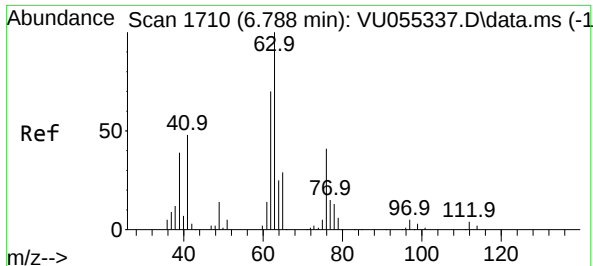
Ion Ratio Lower Upper

83 100

55 71.6 58.7 88.1

98 45.5 36.3 54.5





#37

1,2-Dichloropropane

Concen: 21.277 ug/L

RT: 6.788 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

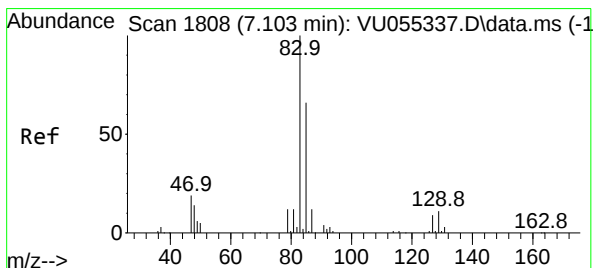
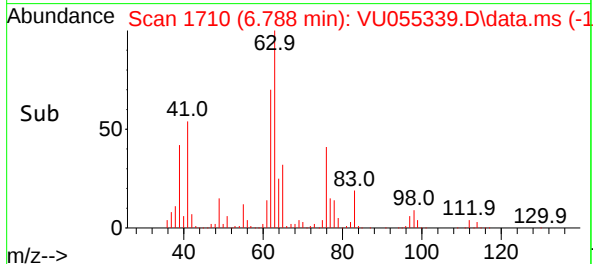
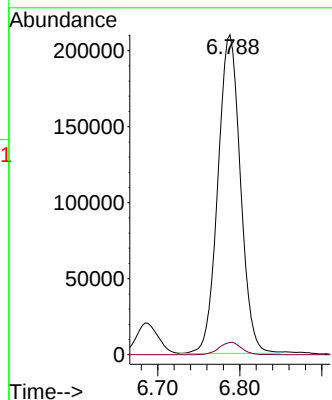
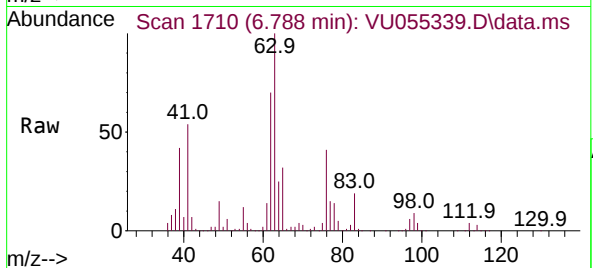
ClientSampleId :

Tgt Ion: 63 Resp: 400313

Ion Ratio Lower Upper

63 100

112 3.9 3.0 4.4



#38

Bromodichloromethane

Concen: 21.384 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

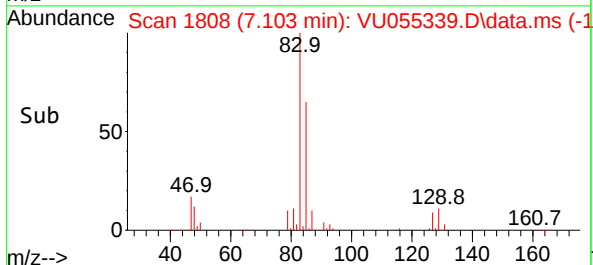
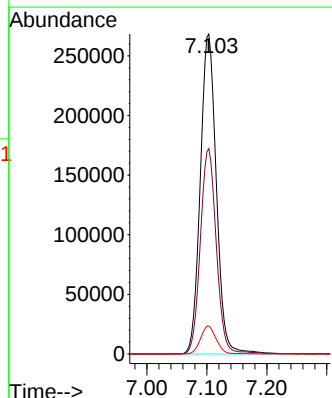
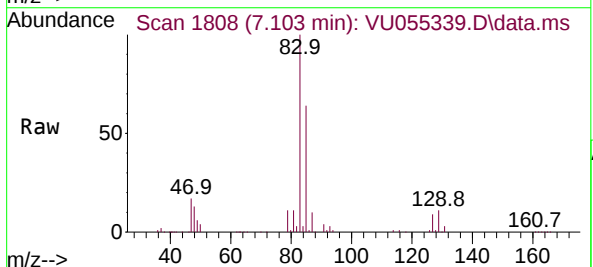
Tgt Ion: 83 Resp: 501625

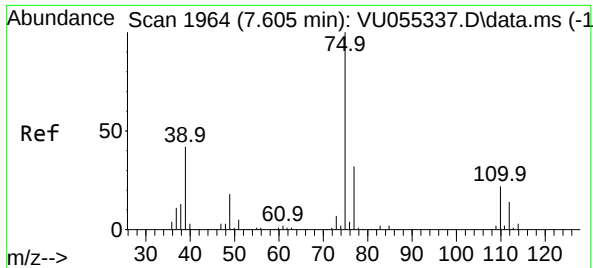
Ion Ratio Lower Upper

83 100

85 64.1 46.3 85.9

127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 22.455 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

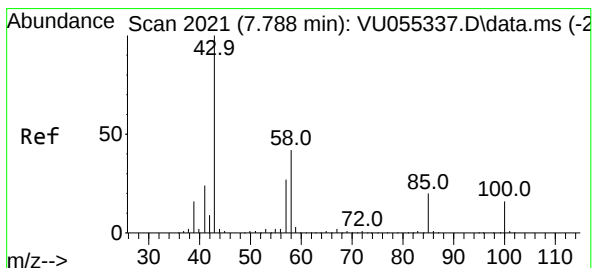
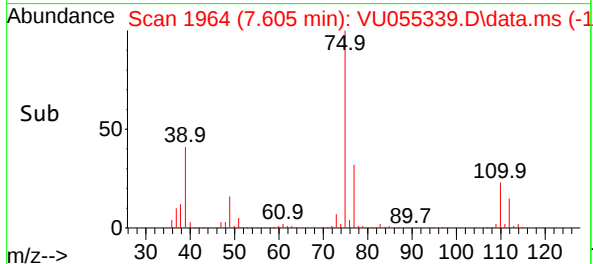
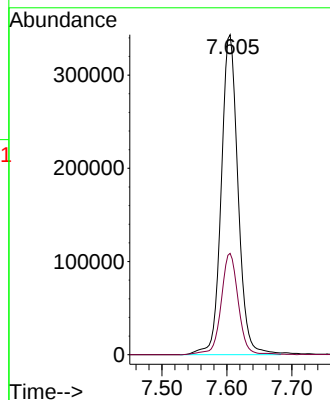
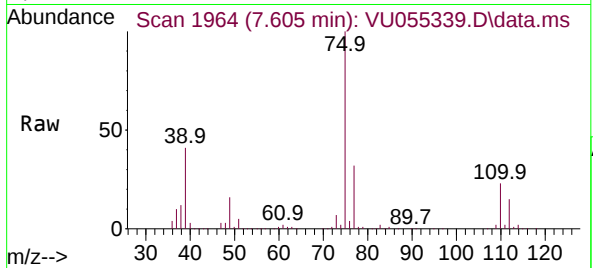
ClientSampleId :

Tgt Ion: 75 Resp: 614461

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 216.869 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

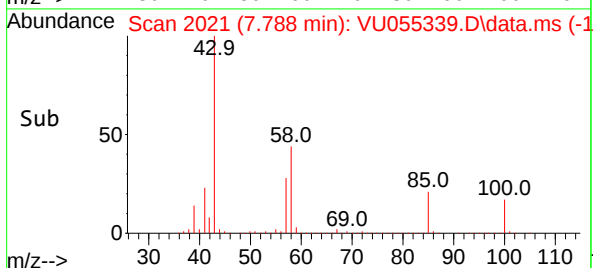
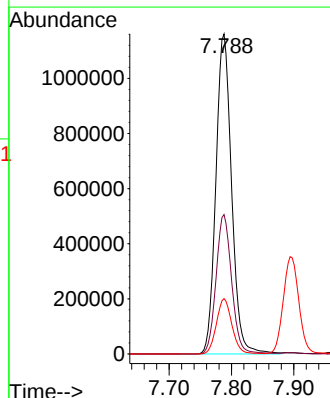
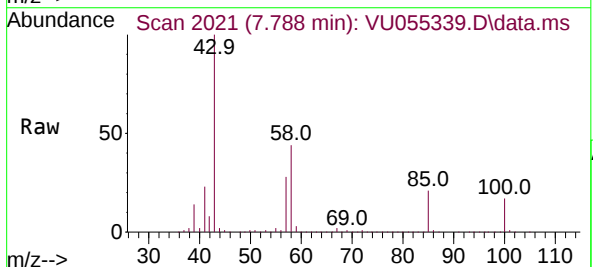
Tgt Ion: 43 Resp: 2029184

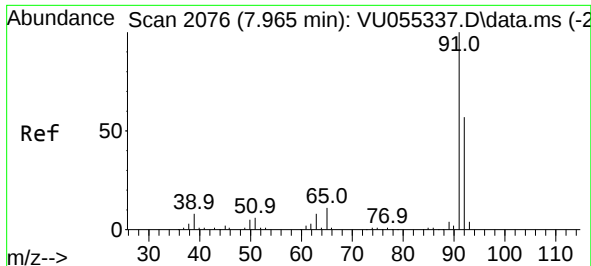
Ion Ratio Lower Upper

43 100

58 43.4 32.9 49.3

100 17.0 12.9 19.3





#42

Toluene

Concen: 23.459 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

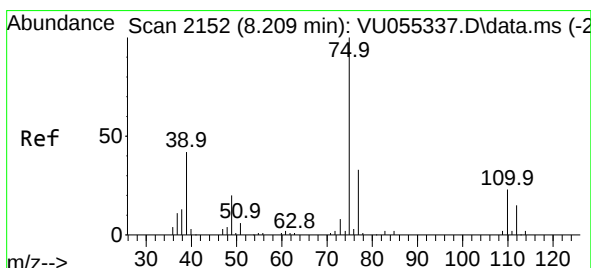
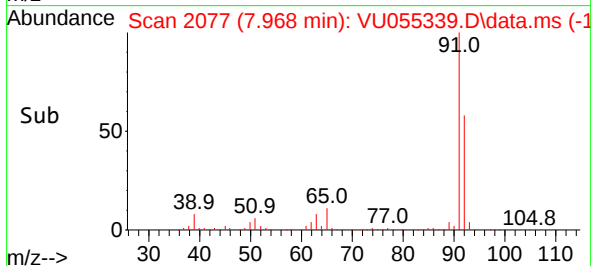
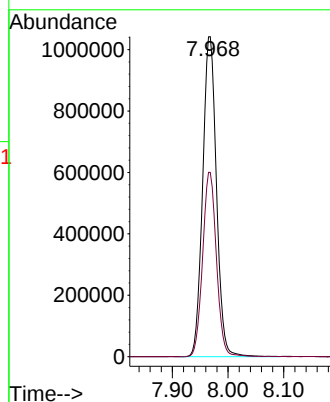
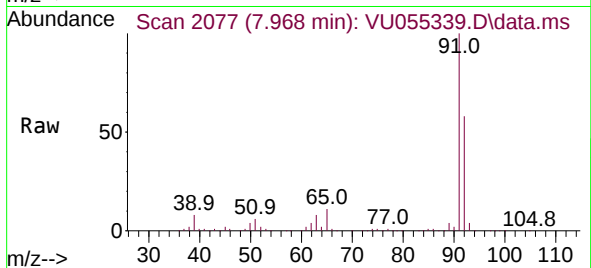
ClientSampleId :

Tgt Ion: 91 Resp: 1795141

Ion Ratio Lower Upper

91 100

92 57.6 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 22.499 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.003 min

Lab File: VU055339.D

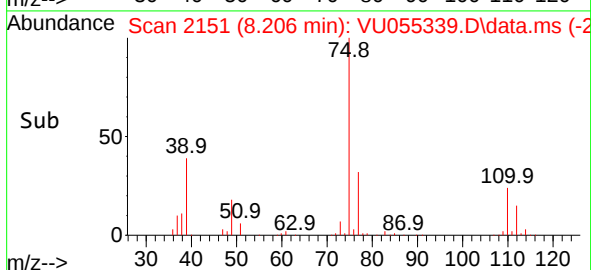
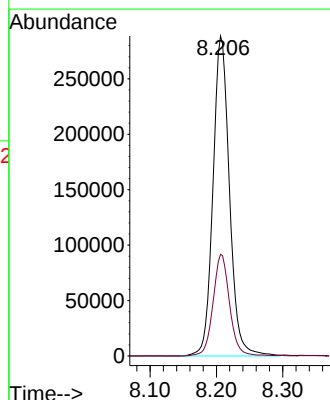
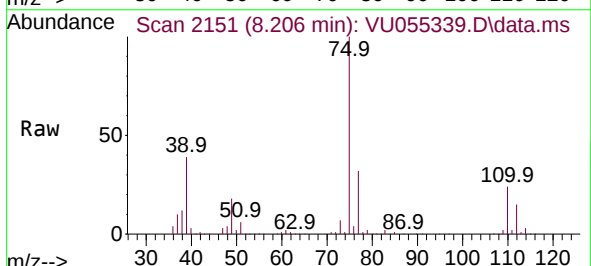
Acq: 15 Sep 2023 14:30

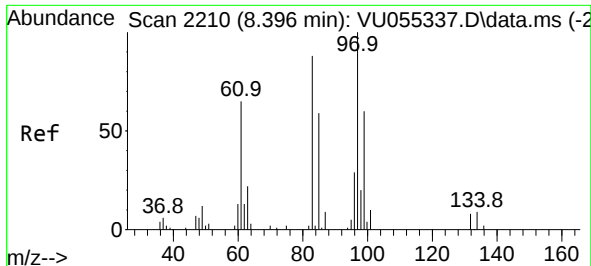
Tgt Ion: 75 Resp: 498902

Ion Ratio Lower Upper

75 100

77 31.8 23.2 43.0



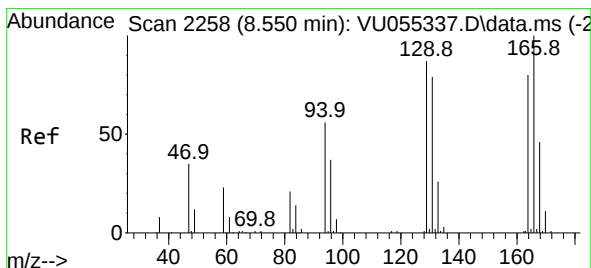
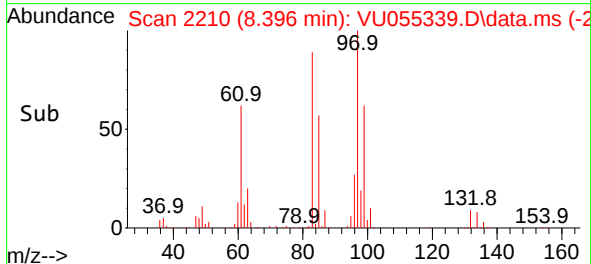
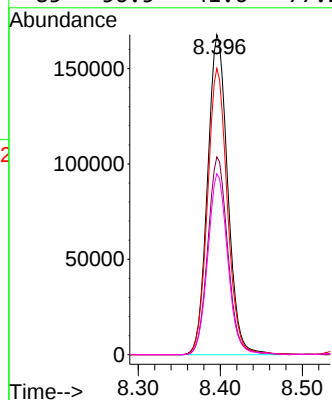
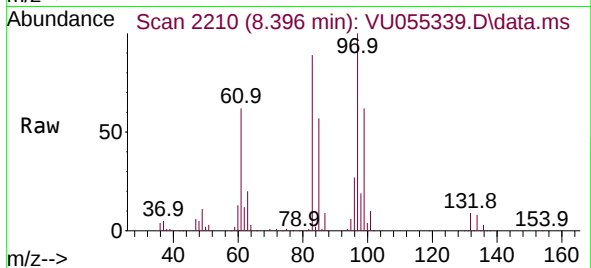


#45
1,1,2-Trichloroethane
Concen: 21.539 ug/L
RT: 8.396 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 286276

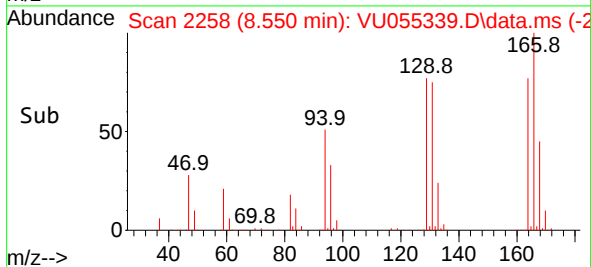
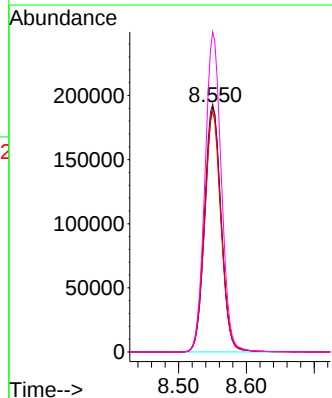
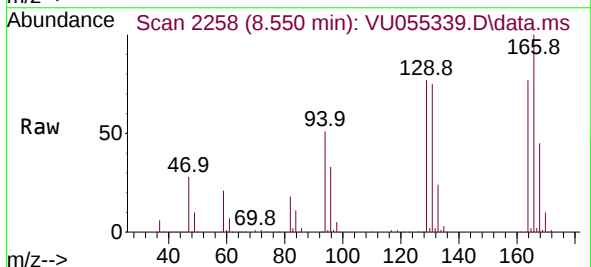
Ion	Ratio	Lower	Upper
97	100		
99	61.8	42.4	78.6
83	89.4	61.3	113.9
85	56.5	41.6	77.2

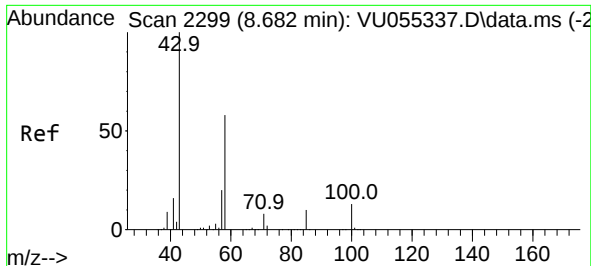


#47
Tetrachloroethene
Concen: 21.113 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion: 164 Resp: 322220

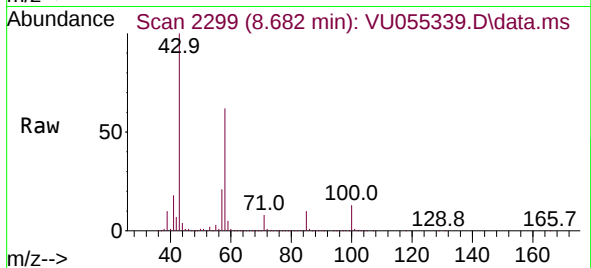
Ion	Ratio	Lower	Upper
164	100		
129	101.0	76.3	141.7
131	98.2	69.1	128.3
166	130.4	87.8	163.2





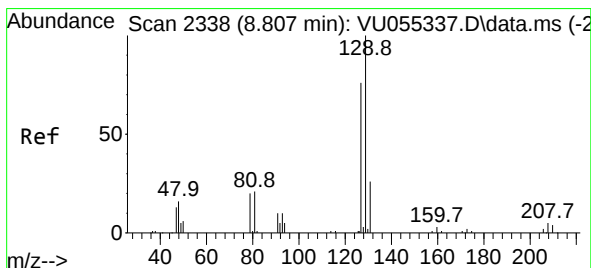
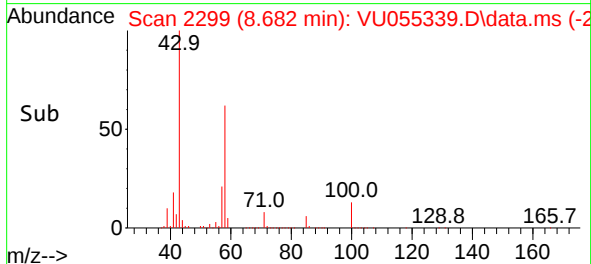
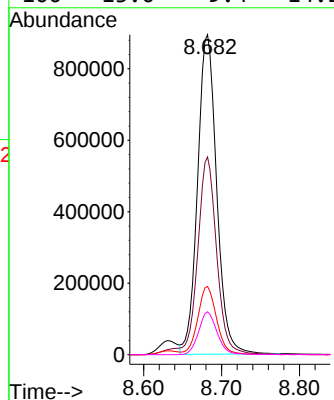
#48
2-Hexanone
Concen: 213.540 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 1525035

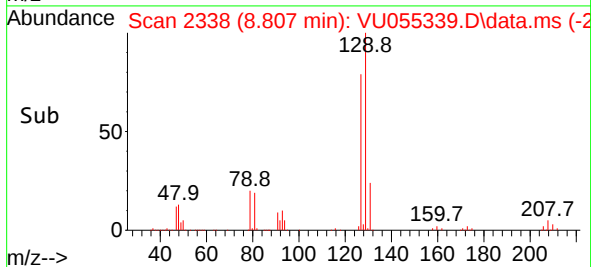
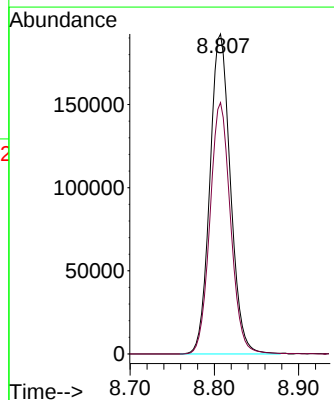
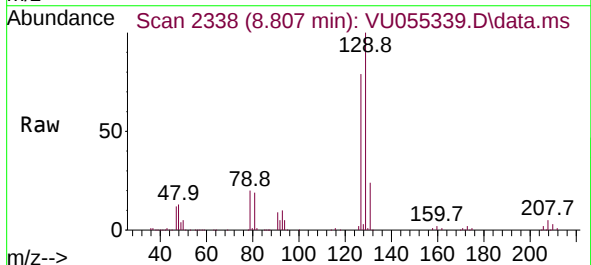
Ion	Ratio	Lower	Upper
43	100		
58	62.7	47.8	71.6
57	21.1	15.4	23.2
100	13.0	9.4	14.2

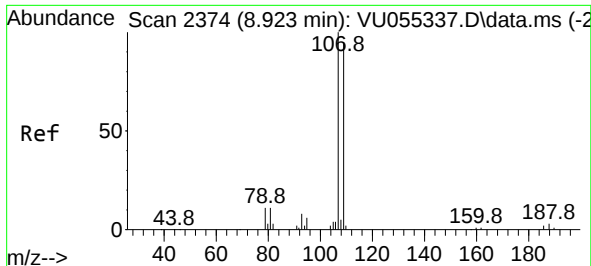


#49
Dibromochloromethane
Concen: 22.265 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion:129 Resp: 326975

Ion	Ratio	Lower	Upper
129	100		
127	78.6	53.4	99.2





#50

1,2-Dibromoethane

Concen: 22.116 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

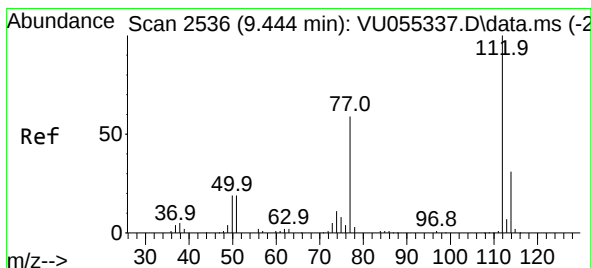
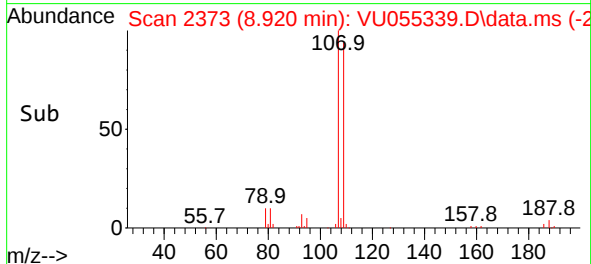
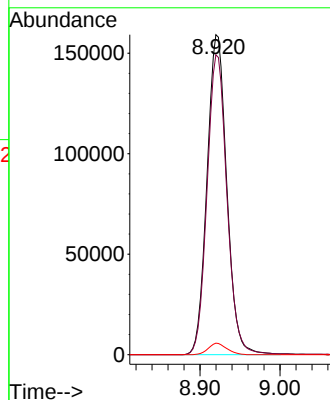
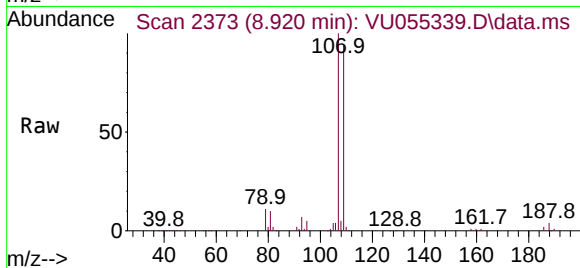
Tgt Ion:107 Resp: 274091

Ion Ratio Lower Upper

107 100

109 93.7 66.6 123.8

188 3.6 2.1 3.1#



#51

Chlorobenzene

Concen: 22.033 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

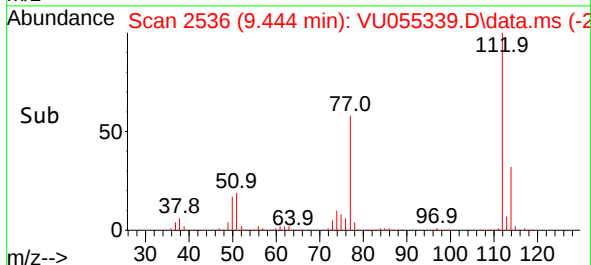
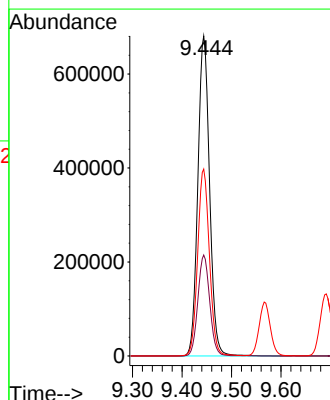
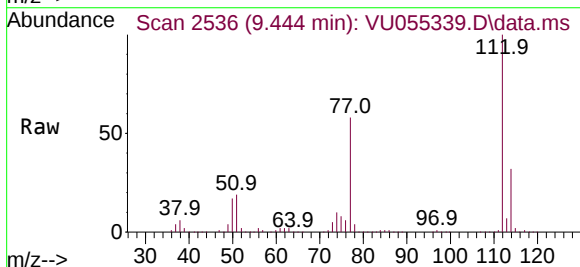
Tgt Ion:112 Resp: 1125830

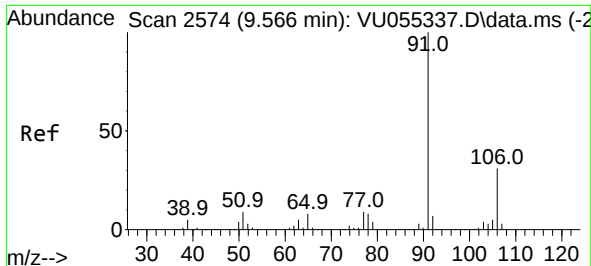
Ion Ratio Lower Upper

112 100

114 31.5 21.8 40.6

77 58.4 47.4 71.0

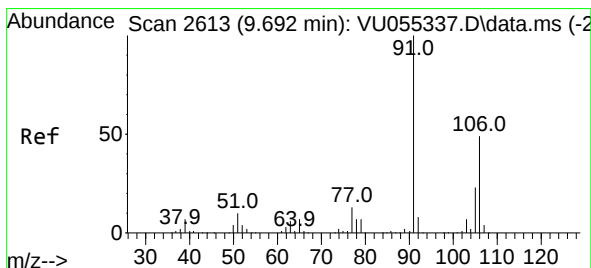
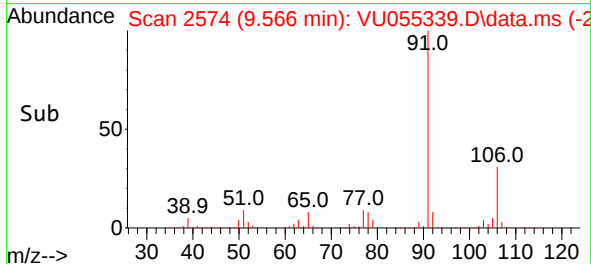
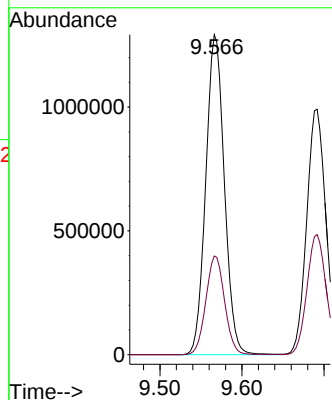
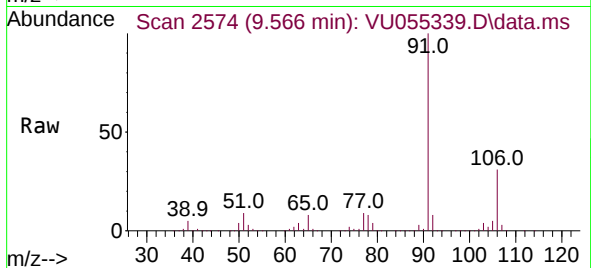




#52
Ethylbenzene
Concen: 23.933 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

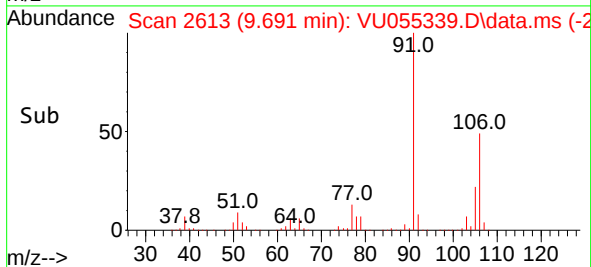
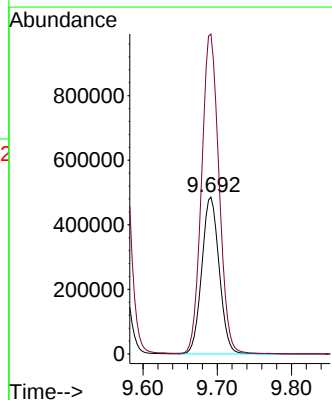
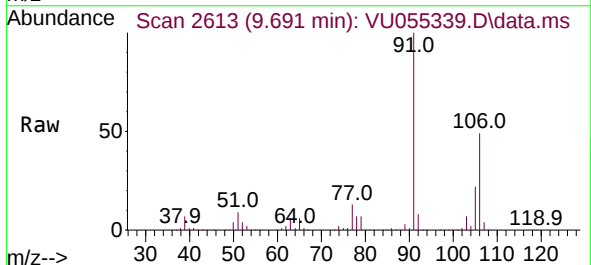
Instrument :
MSVOA_U
ClientSampleId :

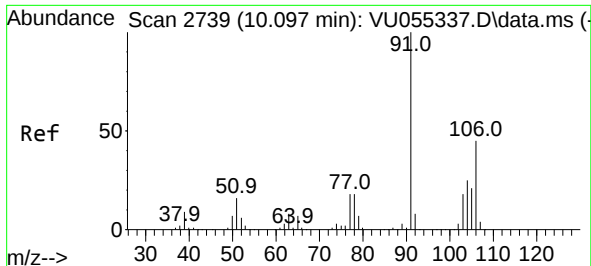
Tgt Ion: 91 Resp: 2035959
Ion Ratio Lower Upper
91 100
106 30.9 21.5 39.9



#53
m,p-Xylene
Concen: 24.588 ug/L
RT: 9.691 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion: 106 Resp: 793671
Ion Ratio Lower Upper
106 100
91 204.1 143.3 266.1

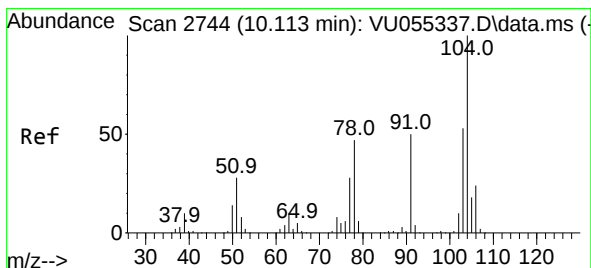
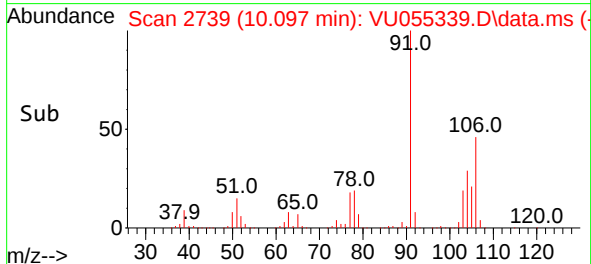
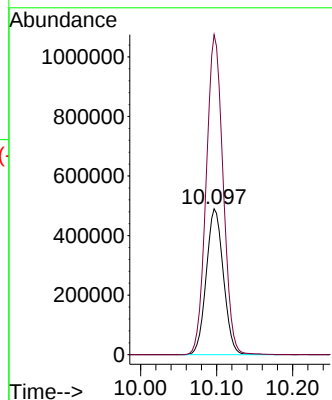
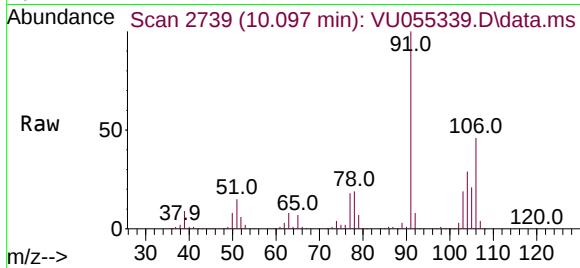




#54
o-Xylene
Concen: 24.202 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

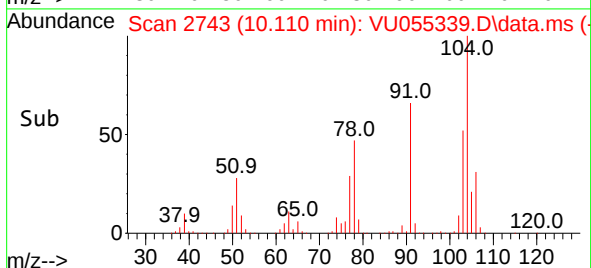
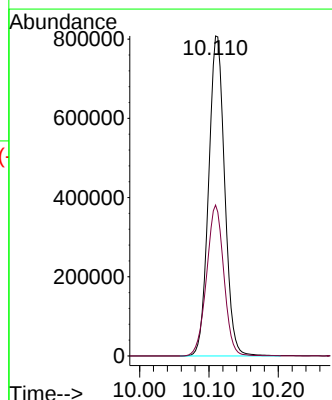
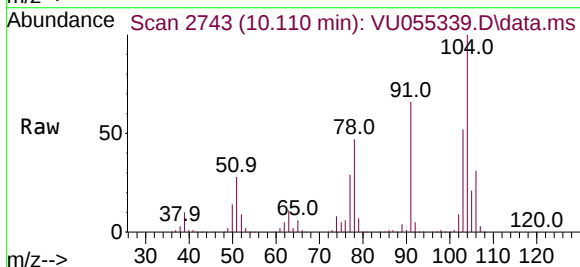
Instrument :
MSVOA_U
ClientSampleId :

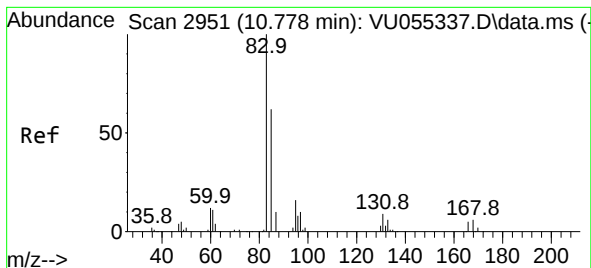
Tgt Ion:106 Resp: 767014
Ion Ratio Lower Upper
106 100
91 219.2 155.6 289.0



#55
Styrene
Concen: 25.069 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion:104 Resp: 1299960
Ion Ratio Lower Upper
104 100
78 47.2 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 20.706 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

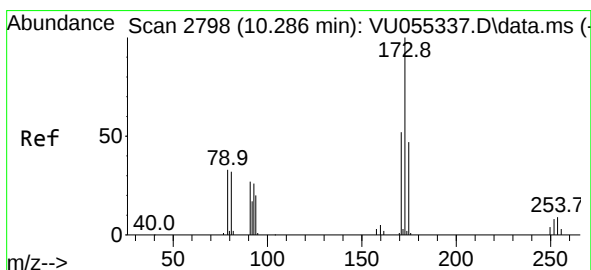
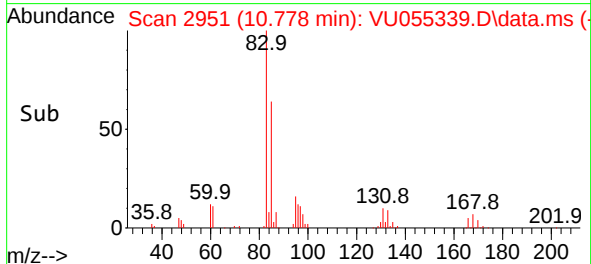
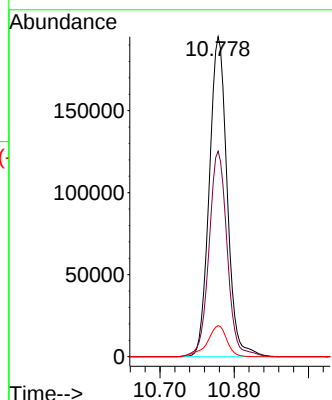
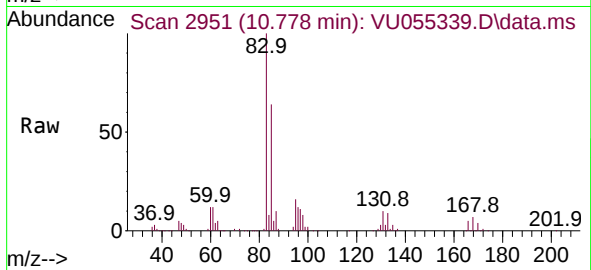
Tgt Ion: 83 Resp: 324733

Ion Ratio Lower Upper

83 100

85 64.2 43.3 80.5

131 9.7 7.2 10.8



#59

Bromoform

Concen: 19.376 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.003 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

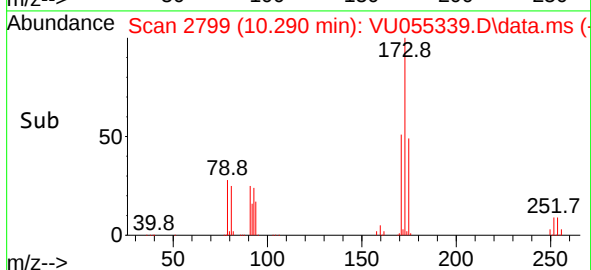
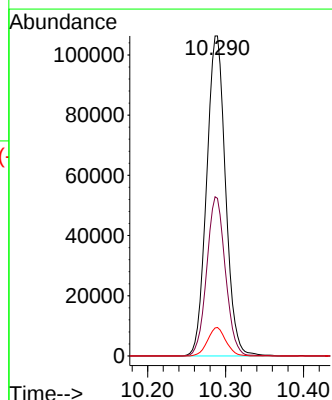
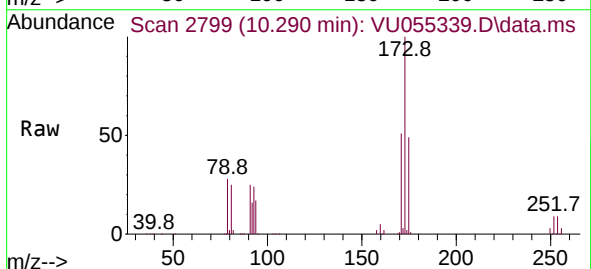
Tgt Ion:173 Resp: 179158

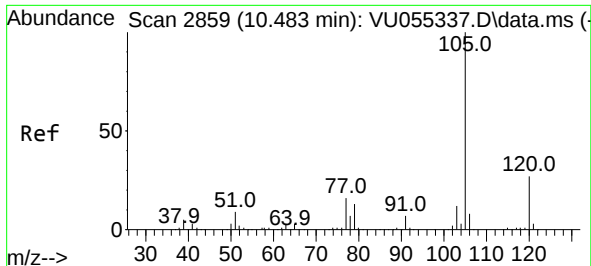
Ion Ratio Lower Upper

173 100

175 49.0 38.1 57.1

254 8.6 6.8 10.2

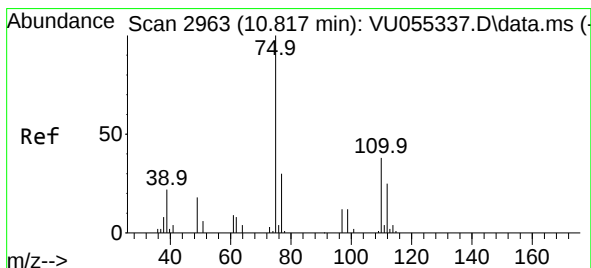
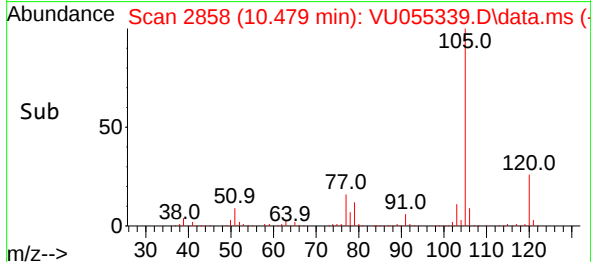
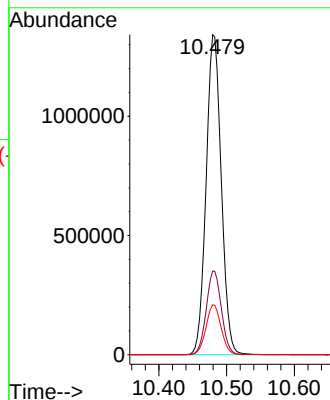
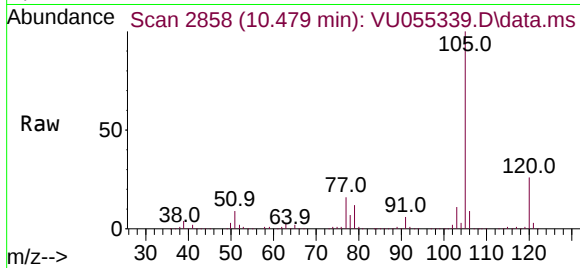




#60
Isopropylbenzene
Concen: 22.325 ug/L
RT: 10.479 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

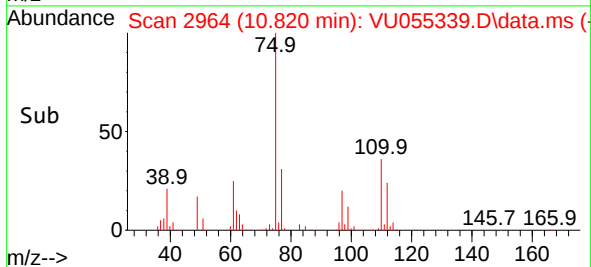
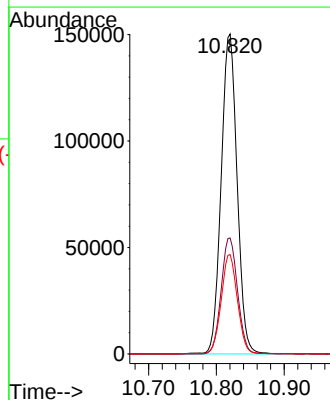
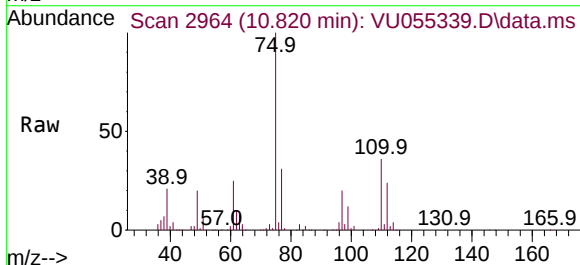
Instrument :
MSVOA_U
ClientSampleId :

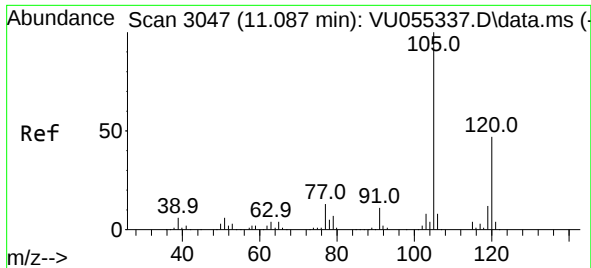
Tgt Ion:105 Resp: 2080970
Ion Ratio Lower Upper
105 100
120 26.2 21.0 31.4
77 15.6 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 20.000 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion: 75 Resp: 245230
Ion Ratio Lower Upper
75 100
110 37.3 31.4 47.2
77 31.3 26.0 39.0

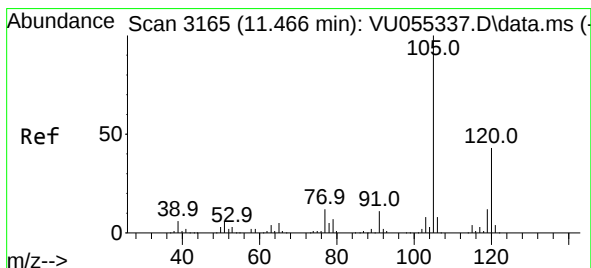
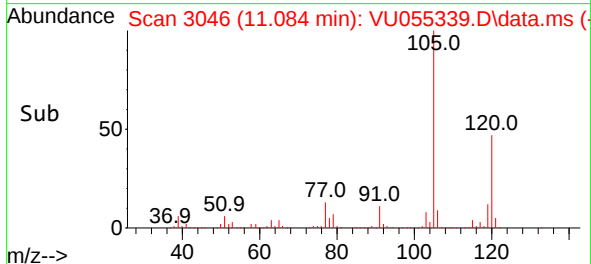
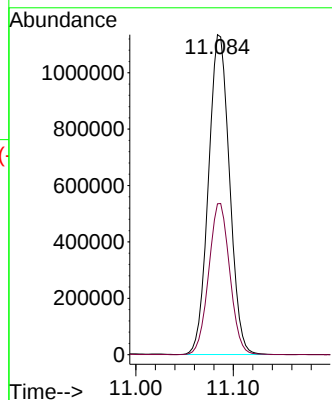
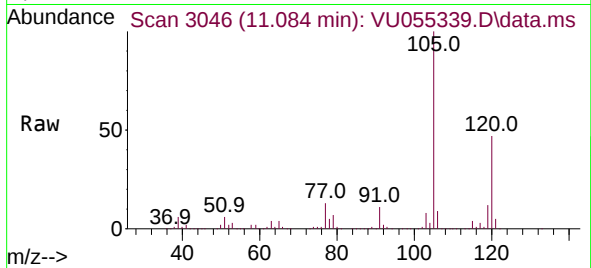




#62
 1,3,5-Trimethylbenzene
 Concen: 22.724 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.003 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

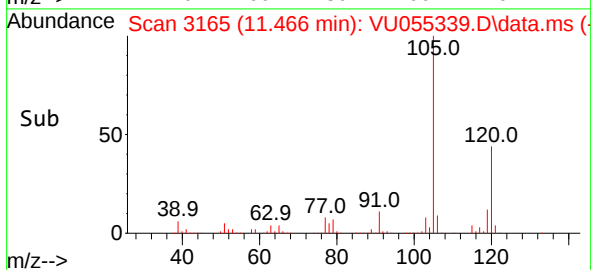
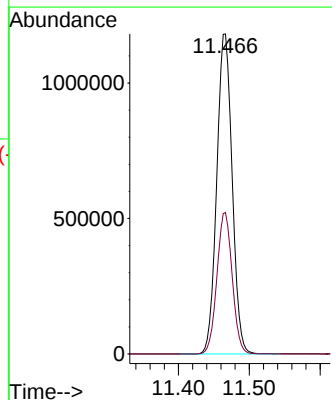
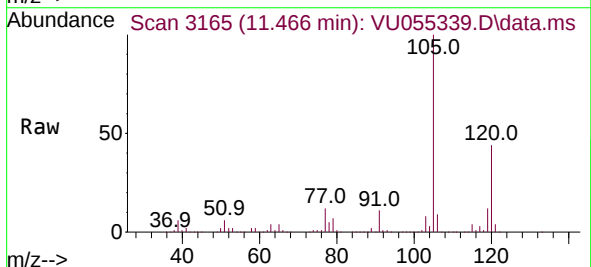
Instrument :
 MSVOA_U
 ClientSampleId :

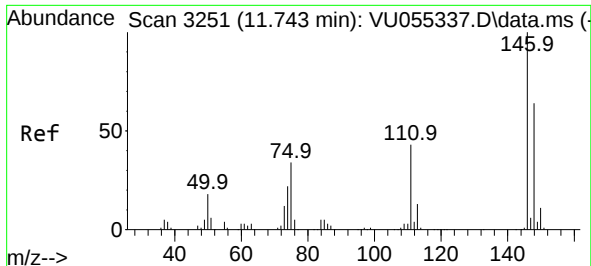
Tgt Ion:105 Resp: 1701482
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.9 56.9



#63
 1,2,4-Trimethylbenzene
 Concen: 23.783 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VU055339.D
 Acq: 15 Sep 2023 14:30

Tgt Ion:105 Resp: 1781874
 Ion Ratio Lower Upper
 105 100
 120 43.9 34.6 52.0

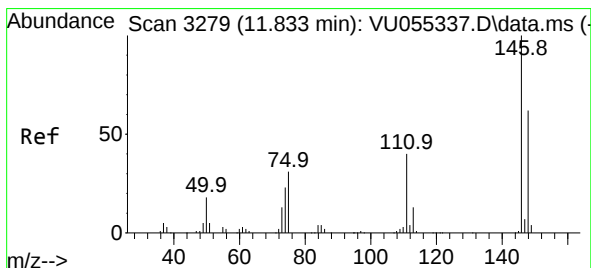
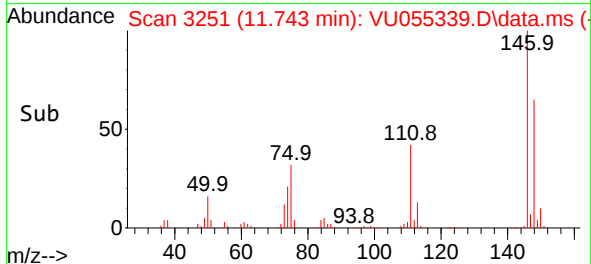
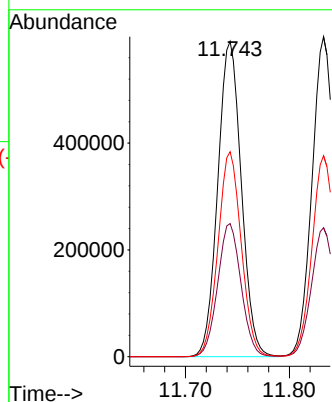
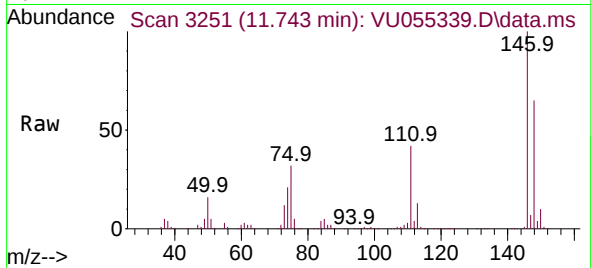




#64
1,3-Dichlorobenzene
Concen: 20.413 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

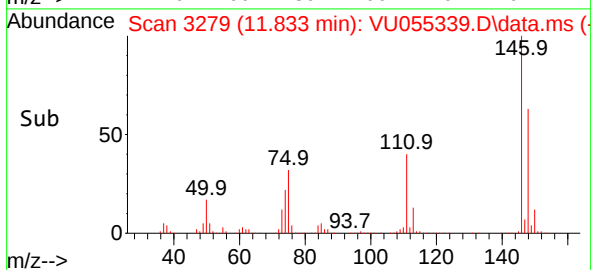
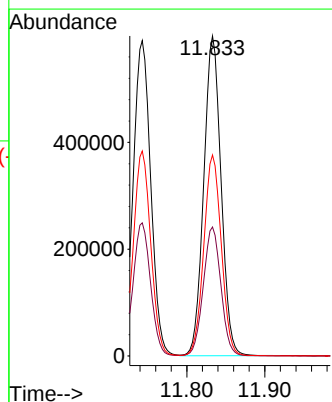
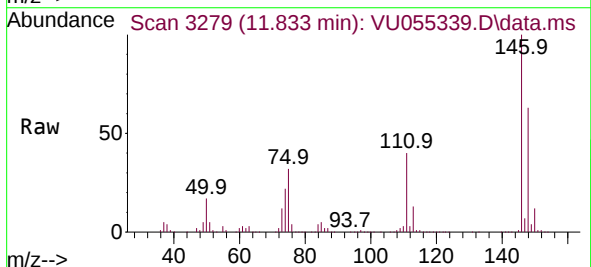
Instrument :
MSVOA_U
ClientSampleId :

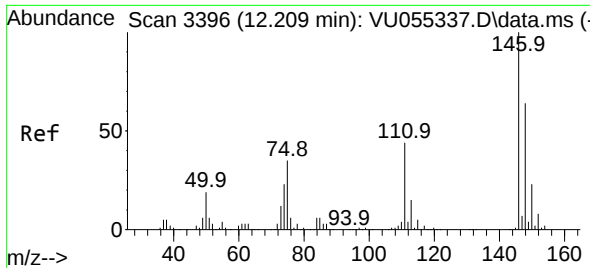
Tgt Ion:146 Resp: 930618
Ion Ratio Lower Upper
146 100
111 42.2 30.4 56.4
148 65.0 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 20.366 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion:146 Resp: 924977
Ion Ratio Lower Upper
146 100
111 40.3 28.7 53.3
148 62.8 43.5 80.9

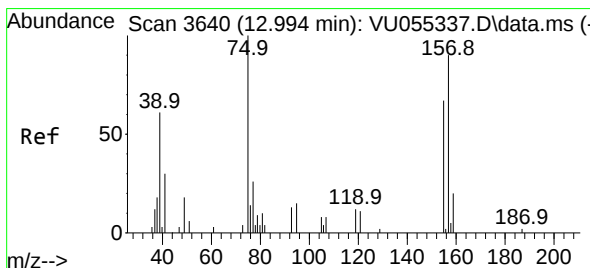
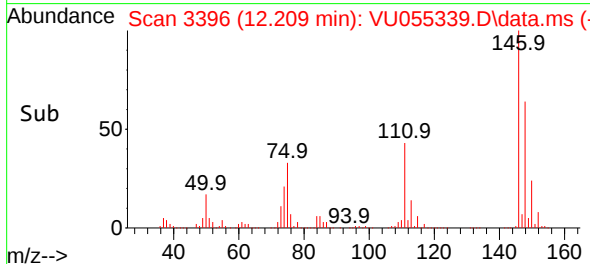
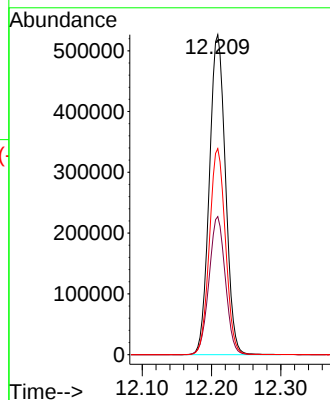
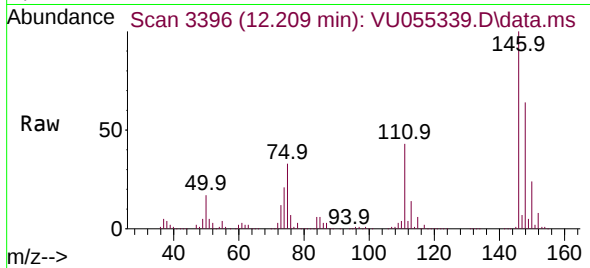




#67
1,2-Dichlorobenzene
Concen: 20.341 ug/L
RT: 12.209 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

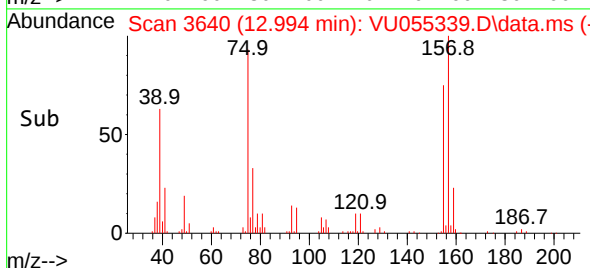
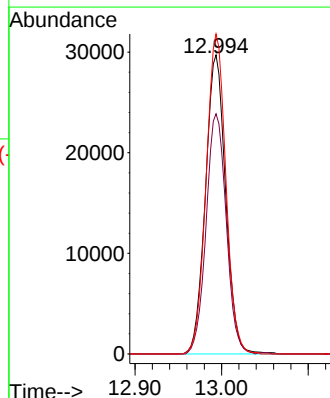
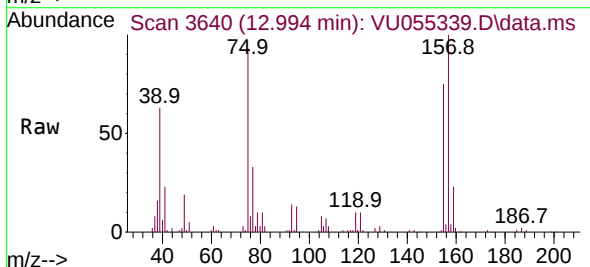
Instrument :
MSVOA_U
ClientSampleId :

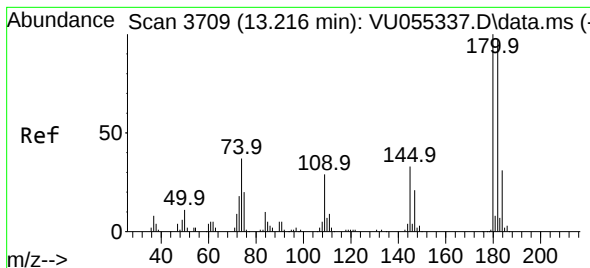
Tgt Ion:146 Resp: 848507
Ion Ratio Lower Upper
146 100
111 43.1 35.4 53.0
148 64.4 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 19.373 ug/L
RT: 12.994 min Scan# 3640
Delta R.T. -0.000 min
Lab File: VU055339.D
Acq: 15 Sep 2023 14:30

Tgt Ion: 75 Resp: 48189
Ion Ratio Lower Upper
75 100
155 80.3 53.7 80.5
157 107.0 72.4 108.6





#69

1,3,5-Trichlorobenzene

Concen: 20.627 ug/L

RT: 13.215 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 682289

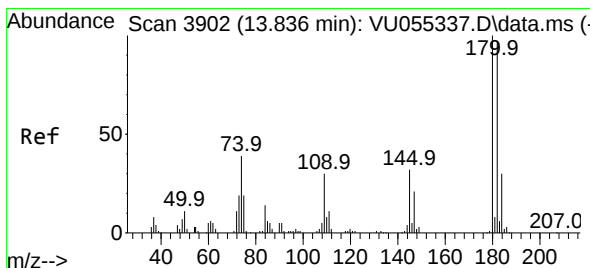
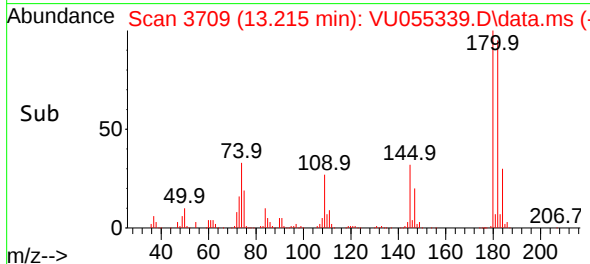
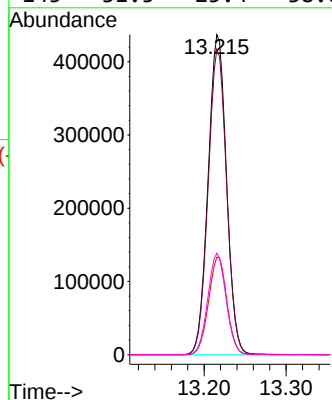
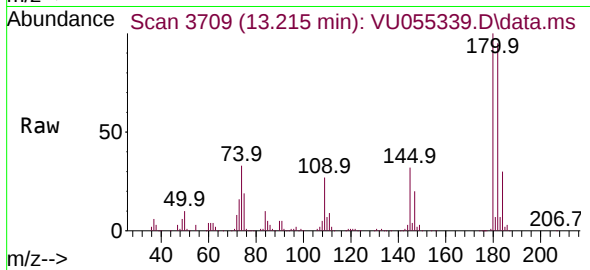
Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.2

184 30.3 24.5 36.7

145 31.5 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 20.549 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

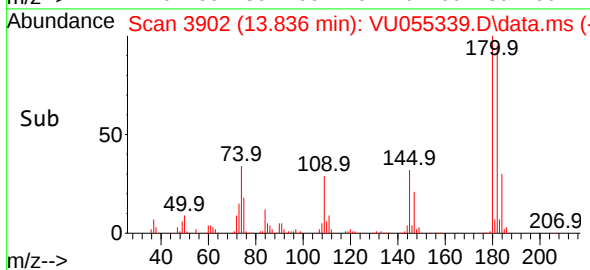
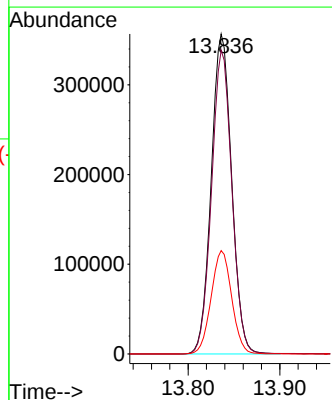
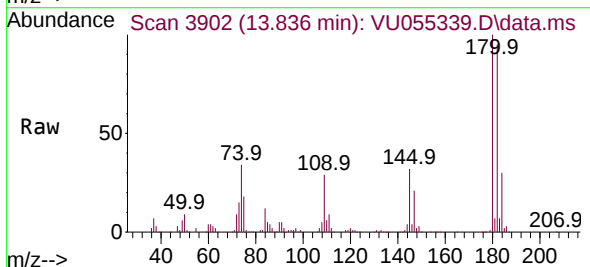
Tgt Ion:180 Resp: 551211

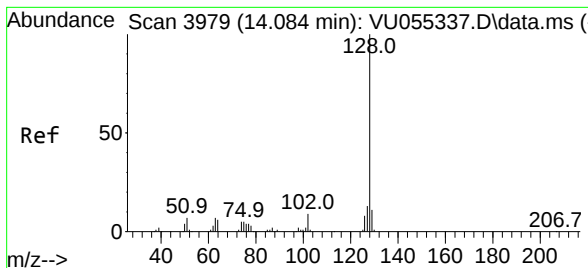
Ion Ratio Lower Upper

180 100

182 94.4 76.3 114.5

145 32.6 25.8 38.8





#71

Naphthalene

Concen: 21.224 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Instrument :

MSVOA_U

ClientSampleId :

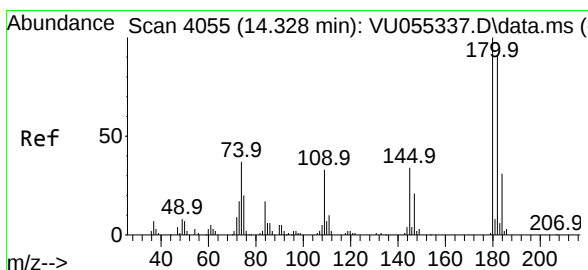
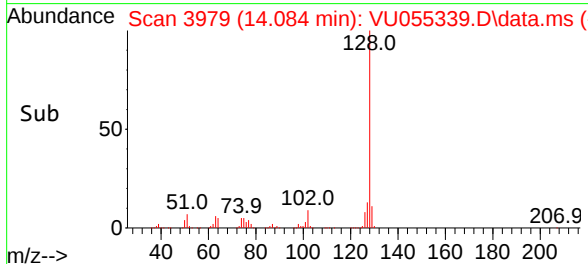
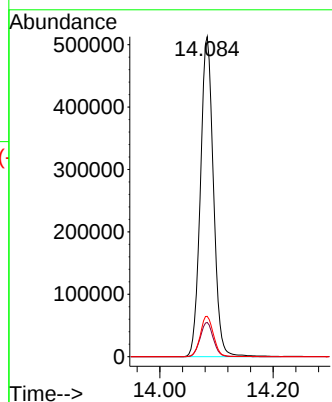
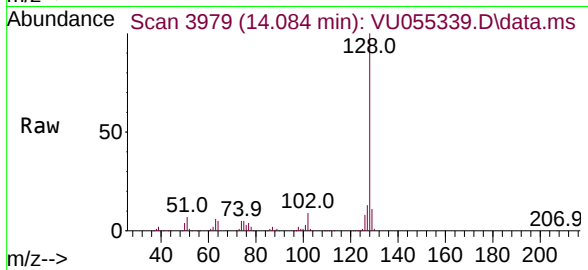
Tgt Ion:128 Resp: 818868

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

127 12.8 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 21.088 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.003 min

Lab File: VU055339.D

Acq: 15 Sep 2023 14:30

Tgt Ion:180 Resp: 476165

Ion Ratio Lower Upper

180 100

182 93.3 74.6 112.0

145 33.6 27.3 40.9

