

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU051997.D
 Acq On : 21 Nov 2022 15:13
 Operator : JC/MD
 Sample : VSTD05057
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 22 00:39:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 00:38:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	493194	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	482006	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	241010	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	224539	55.507	ug/L	0.00
7) Chloroethane-d5	1.906	69	180872	54.552	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	331034	49.504	ug/L	0.00
21) 2-Butanone-d5	4.617	46	268026	97.815	ug/L	0.00
24) Chloroform-d	5.060	84	363826	50.314	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	211936	47.608	ug/L	0.00
32) Benzene-d6	5.726	84	768218	57.261	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	240470	54.876	ug/L	0.00
41) Toluene-d8	7.896	98	696019	57.434	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	101314	54.807	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	195497	104.151	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.752	84	375832	50.435	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.189	152	246061	53.436	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	135543	33.519	ug/L	100
3) Chloromethane	1.527	50	194391	36.688	ug/L	100
5) Vinyl chloride	1.604	62	206568	39.331	ug/L	100
6) Bromomethane	1.845	94	108578	39.846	ug/L	100
8) Chloroethane	1.929	64	132727	41.824	ug/L	100
9) Trichlorofluoromethane	2.135	101	244828	40.274	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	156066	41.521	ug/L	100
12) 1,1-Dichloroethene	2.578	96	149750	42.057	ug/L	100
13) Acetone	2.620	43	216857	72.044	ug/L	100
14) Carbon disulfide	2.790	76	374881	33.553	ug/L	100
15) Methyl Acetate	2.945	43	190621	41.288	ug/L	100
16) Methylene chloride	3.044	84	208486	43.924	ug/L	100
17) trans-1,2-Dichloroethene	3.353	96	159225	43.292	ug/L	100
18) Methyl tert-butyl Ether	3.360	73	513514	47.796	ug/L	100
19) 1,1-Dichloroethane	3.868	63	325543	44.491	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	192591	47.128	ug/L	100
22) 2-Butanone	4.697	43	298825	84.271	ug/L	100
23) Bromochloromethane	4.970	128	101734	44.611	ug/L	100
25) Chloroform	5.086	83	338762	44.859	ug/L	100
27) 1,2-Dichloroethane	5.790	62	248824	42.880	ug/L	100
29) Cyclohexane	5.388	56	230942	46.837	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	261189	46.238	ug/L	100
31) Carbon tetrachloride	5.523	117	212924	44.906	ug/L	100
33) Benzene	5.771	78	762942	48.762	ug/L	100
34) Trichloroethene	6.540	95	172437	45.823	ug/L	100
35) Methylcyclohexane	6.761	83	248212	46.746	ug/L	100
37) 1,2-Dichloropropane	6.790	63	206510	47.973	ug/L	100
38) Bromodichloromethane	7.102	83	256568	46.827	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	282953	49.606	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	548797	96.499	ug/L	100
42) Toluene	7.967	91	817308	50.920	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	264073	48.046	ug/L	100

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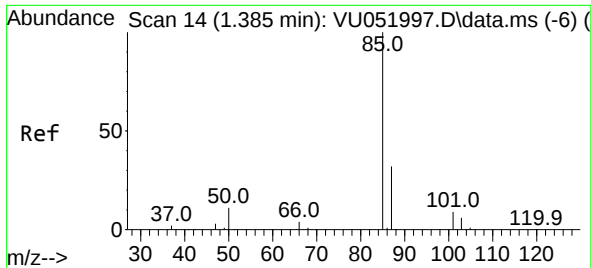
Quant Time: Nov 22 00:39:32 2022
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	203310	47.301	ug/L	100
46) Tetrachloroethene	8.552	164	129229	46.277	ug/L	100
48) 2-Hexanone	8.681	43	449806	93.817	ug/L	100
49) Dibromochloromethane	8.806	129	207781	47.158	ug/L	100
50) 1,2-Dibromoethane	8.922	107	207084	47.022	ug/L	100
51) Chlorobenzene	9.446	112	507879	48.059	ug/L	100
52) Ethylbenzene	9.568	91	815676	50.298	ug/L	100
53) m,p-Xylene	9.691	106	321226	51.553	ug/L	100
54) o-Xylene	10.099	106	330231	52.906	ug/L	100
55) Styrene	10.112	104	563239	52.500	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	380226	46.624	ug/L	100
59) Bromoform	10.289	173	156460	46.364	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	282571	45.448	ug/L	100
61) Isopropylbenzene	10.481	105	812842	53.126	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	656899	51.217	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	648408	51.616	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	373292	48.316	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	371226	46.898	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	390342	48.340	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.993	75	69752	41.933	ug/L	100
69) 1,3,5-Trichlorobenzene	13.218	180	239639	46.458	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	193884	48.318	ug/L	100
71) Naphthalene	14.083	128	674370	52.067	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	218990	51.096	ug/L	100

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

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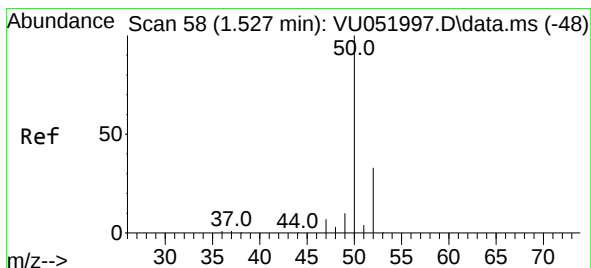
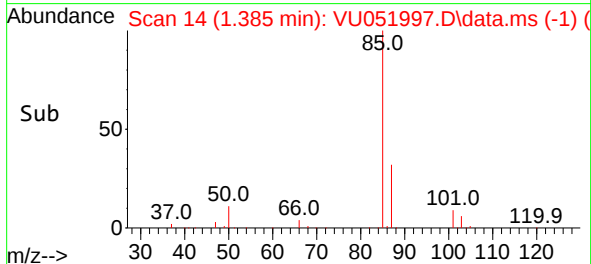
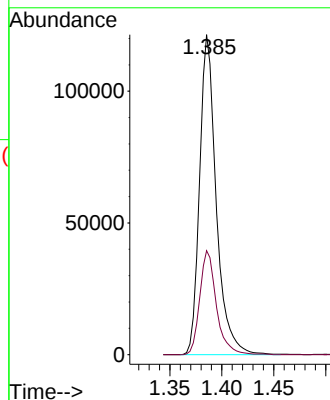
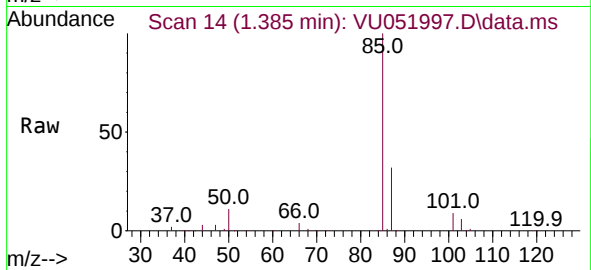




#2
Dichlorodifluoromethane
Concen: 33.519 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

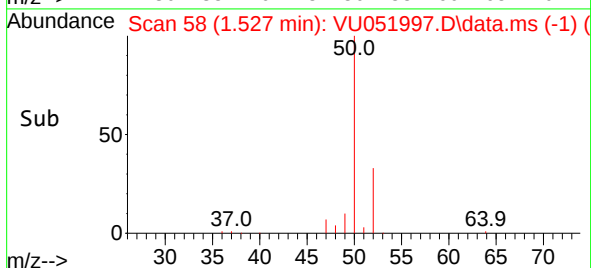
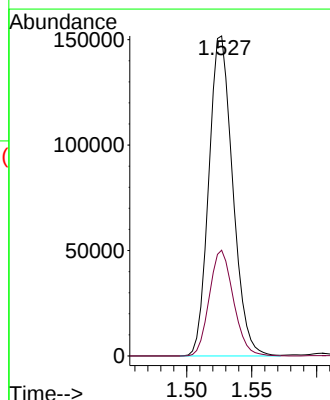
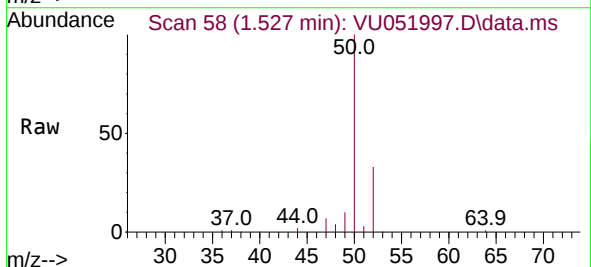
Instrument :
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ClientSampleId :

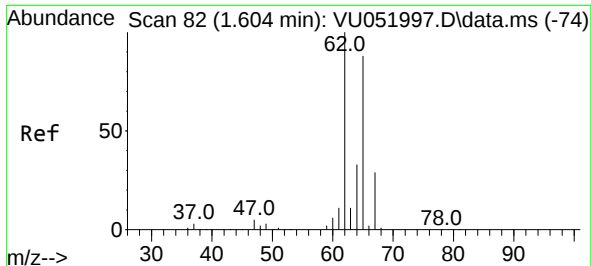
Tgt Ion: 85 Resp: 135543
Ion Ratio Lower Upper
85 100
87 32.4 25.9 38.9



#3
Chloromethane
Concen: 36.688 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion: 50 Resp: 194391
Ion Ratio Lower Upper
50 100
52 33.0 23.1 42.9

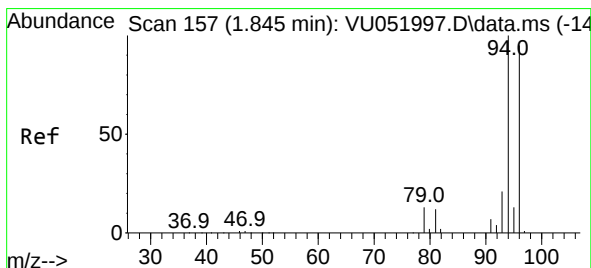
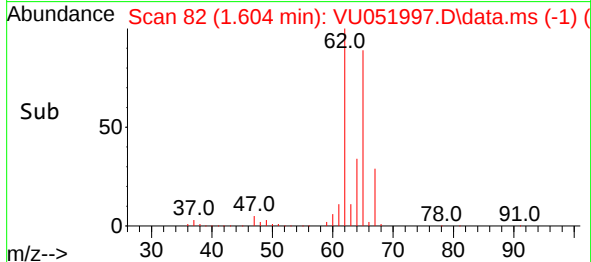
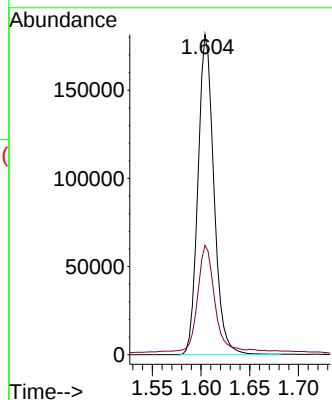
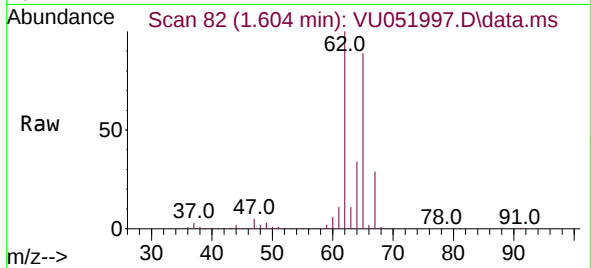




#5
 Vinyl chloride
 Concen: 39.331 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

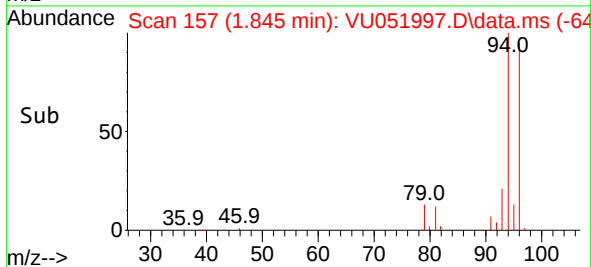
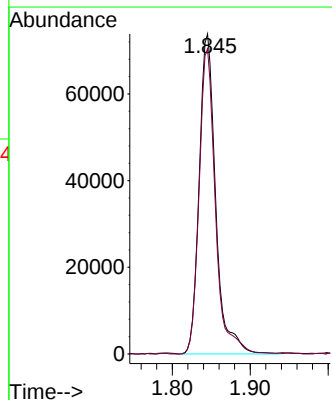
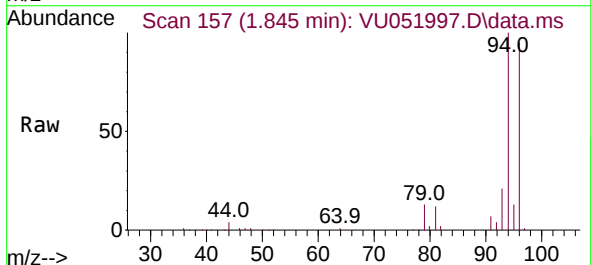
Instrument :
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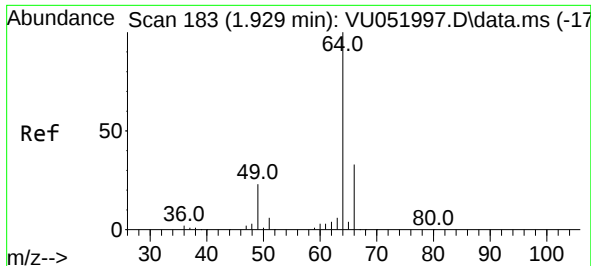
Tgt Ion: 62 Resp: 206568
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.9 44.3



#6
 Bromomethane
 Concen: 39.846 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

Tgt Ion: 94 Resp: 108578
 Ion Ratio Lower Upper
 94 100
 96 95.4 66.8 124.0

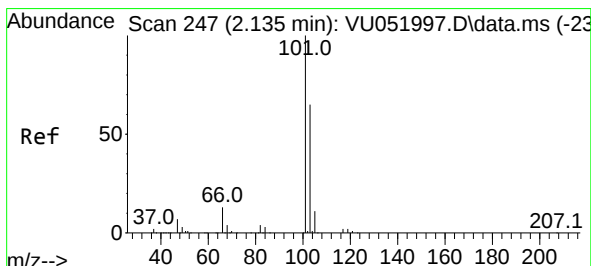
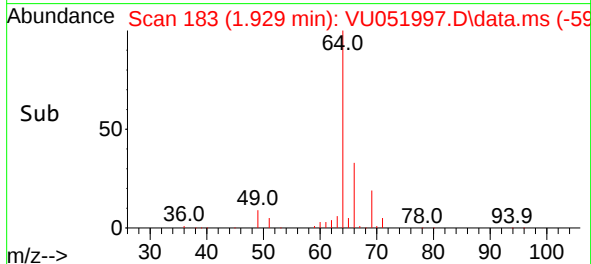
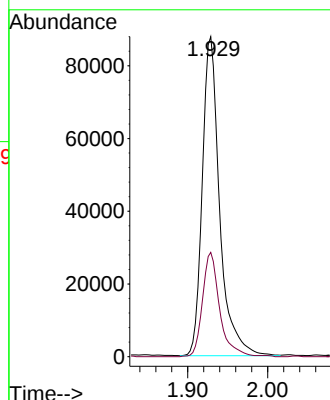
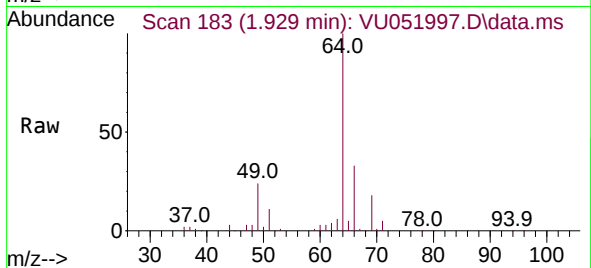




#8
Chloroethane
Concen: 41.824 ug/L
RT: 1.929 min Scan# 183
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

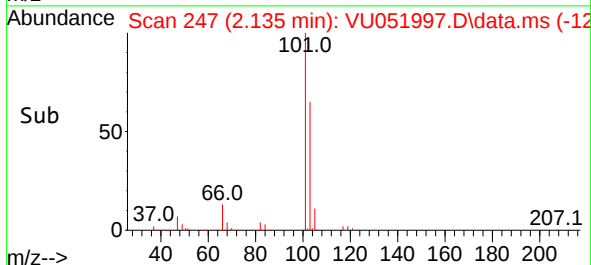
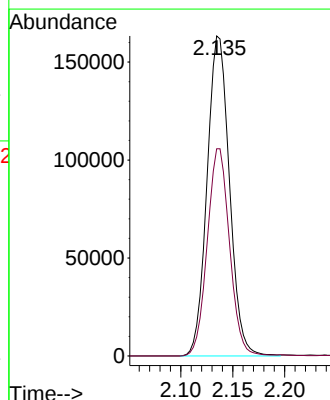
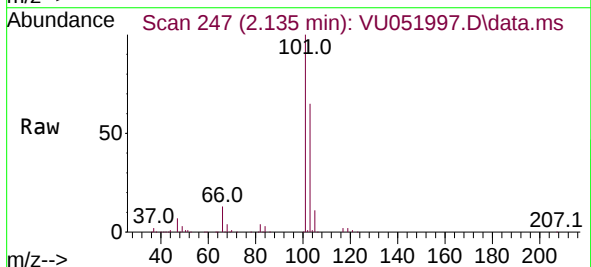
Instrument :
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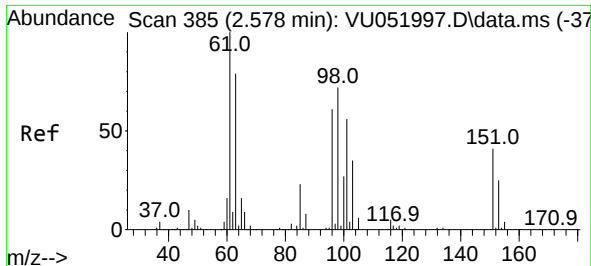
Tgt Ion: 64 Resp: 132727
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 40.274 ug/L
RT: 2.135 min Scan# 247
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion:101 Resp: 244828
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3

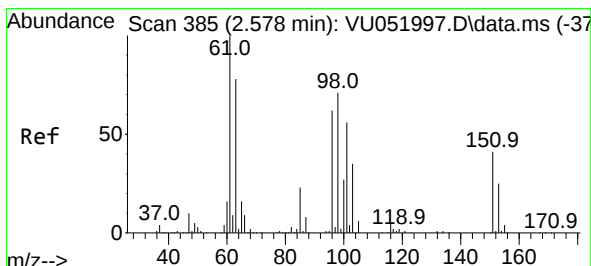
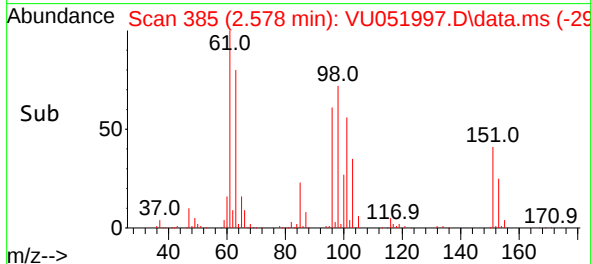
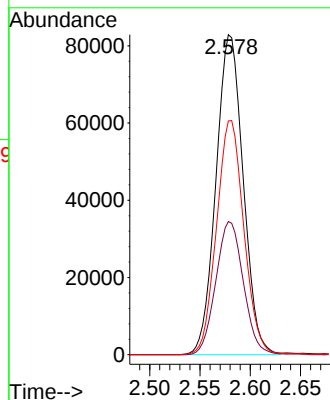
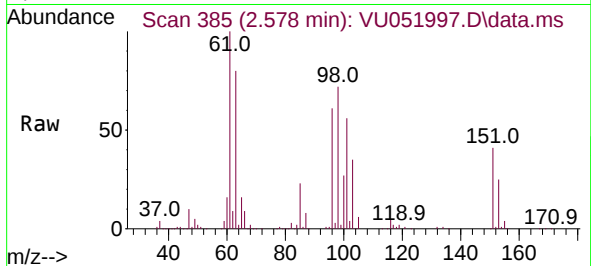




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.521 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

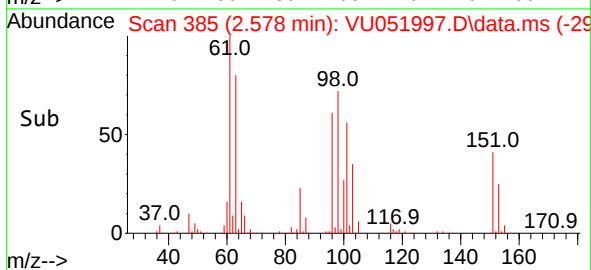
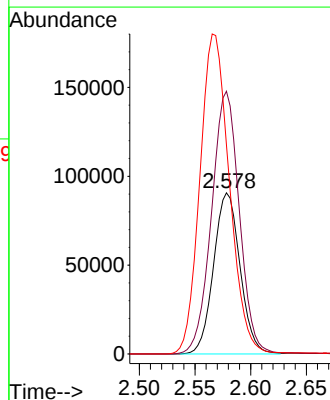
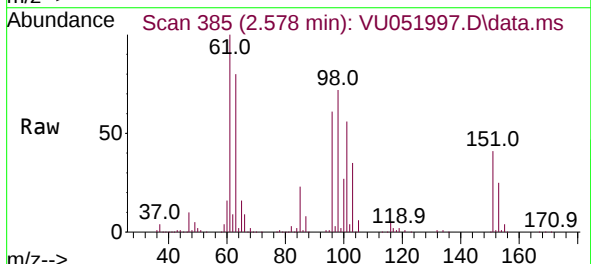
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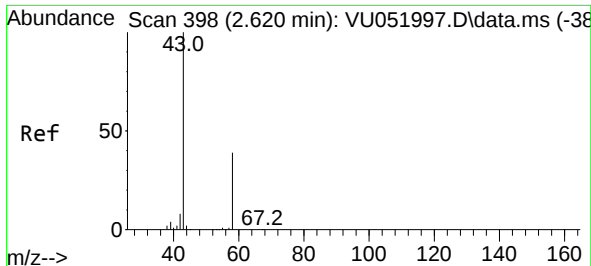
Tgt Ion:101 Resp: 156066
 Ion Ratio Lower Upper
 101 100
 85 42.0 33.6 50.4
 151 73.6 58.9 88.3



#12
 1,1-Dichloroethene
 Concen: 42.057 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

Tgt Ion: 96 Resp: 149750
 Ion Ratio Lower Upper
 96 100
 61 163.1 114.2 212.0
 63 129.8 90.9 168.7





#13

Acetone

Concen: 72.044 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

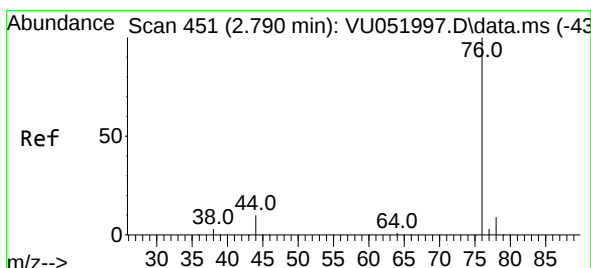
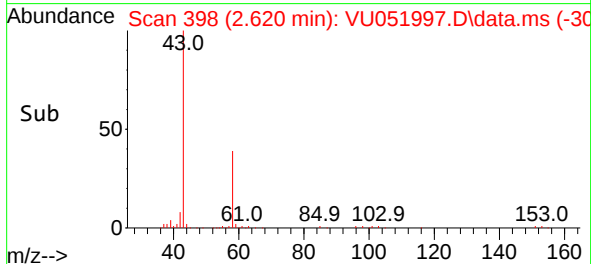
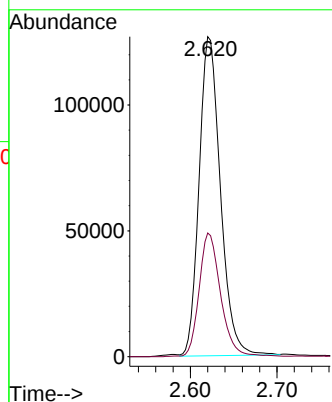
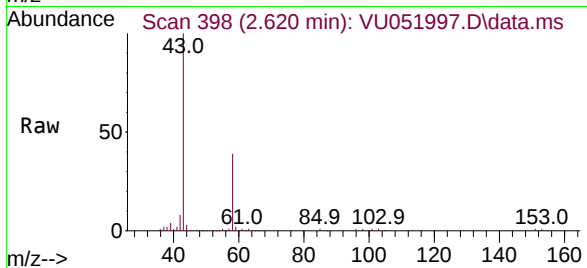
ClientSampleId :

Tgt Ion: 43 Resp: 216857

Ion Ratio Lower Upper

43 100

58 38.3 0.0 76.6



#14

Carbon disulfide

Concen: 33.553 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051997.D

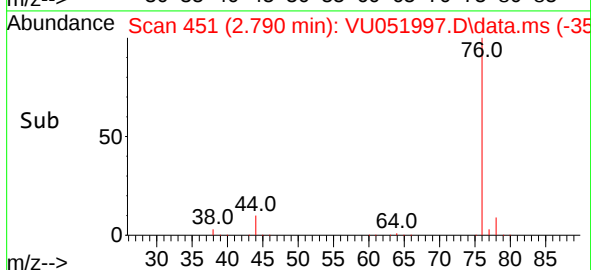
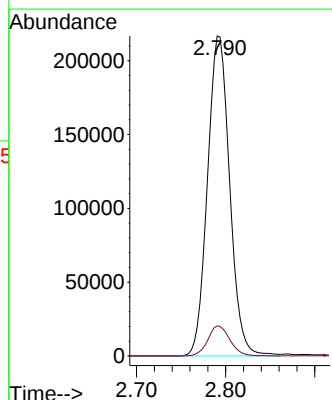
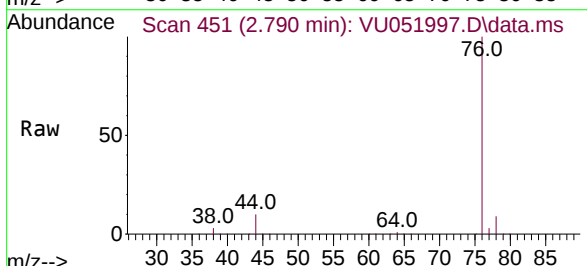
Acq: 21 Nov 2022 15:13

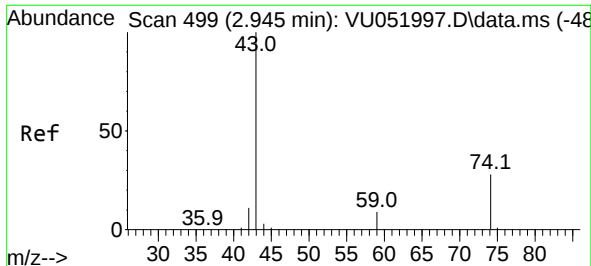
Tgt Ion: 76 Resp: 374881

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

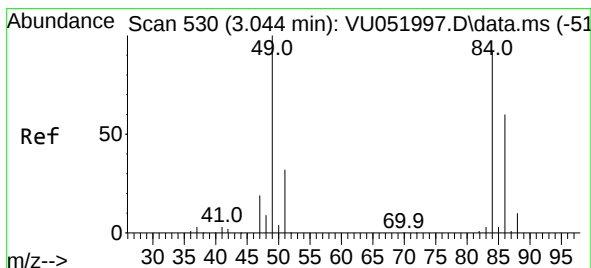
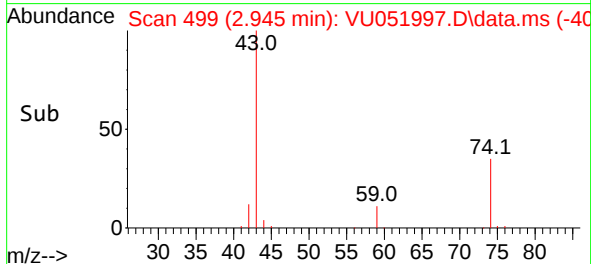
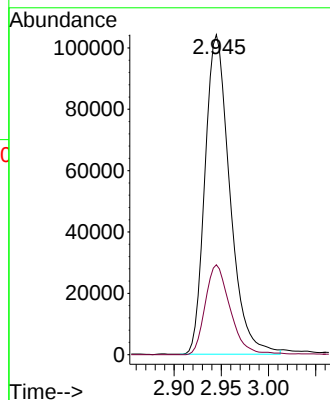
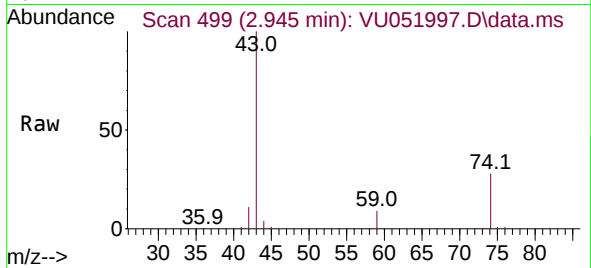




#15
Methyl Acetate
Concen: 41.288 ug/L
RT: 2.945 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

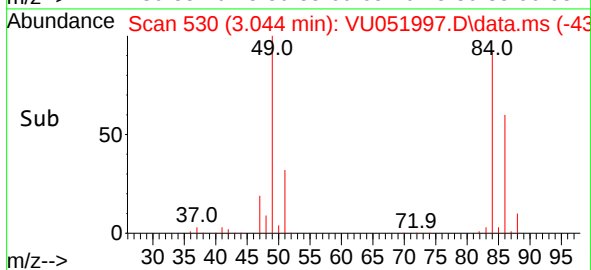
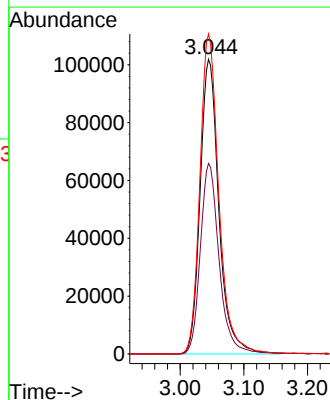
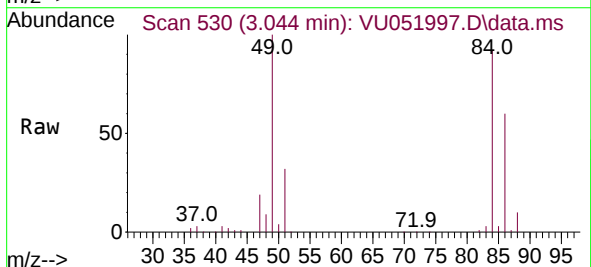
Instrument :
MSVOA_U
ClientSampleId :

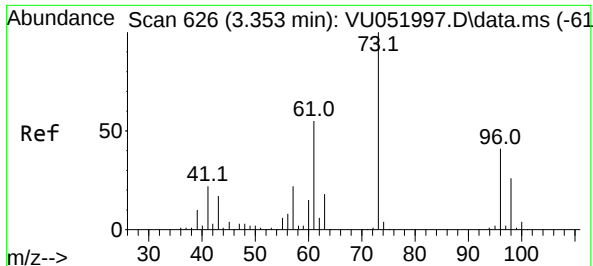
Tgt Ion: 43 Resp: 190621
Ion Ratio Lower Upper
43 100
74 27.8 22.2 33.4



#16
Methylene chloride
Concen: 43.924 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion: 84 Resp: 208486
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 108.5 75.9 141.1





#17

trans-1,2-Dichloroethene

Concen: 43.292 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

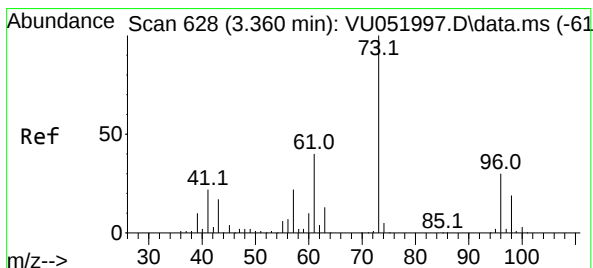
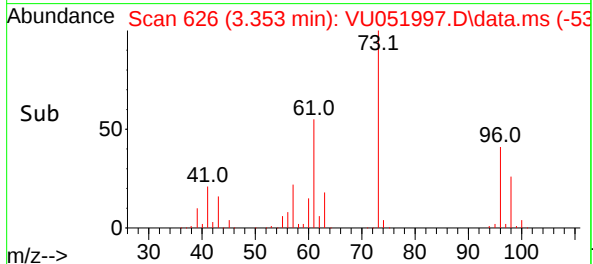
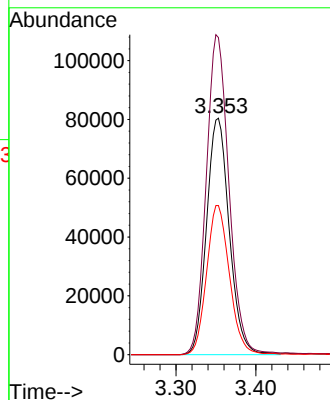
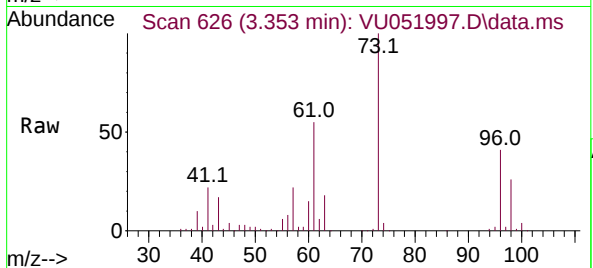
Tgt Ion: 96 Resp: 159225

Ion Ratio Lower Upper

96 100

61 134.1 93.9 174.3

98 63.1 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 47.796 ug/L

RT: 3.360 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

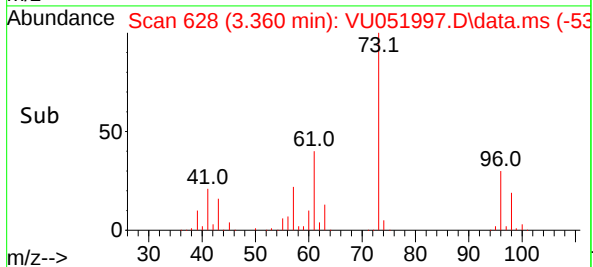
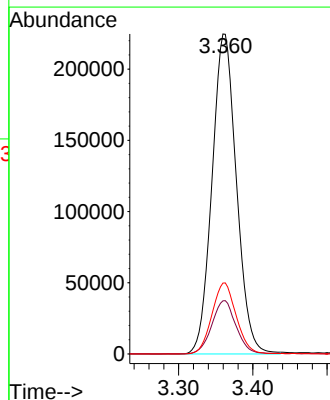
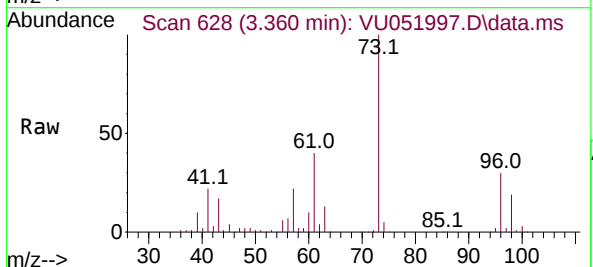
Tgt Ion: 73 Resp: 513514

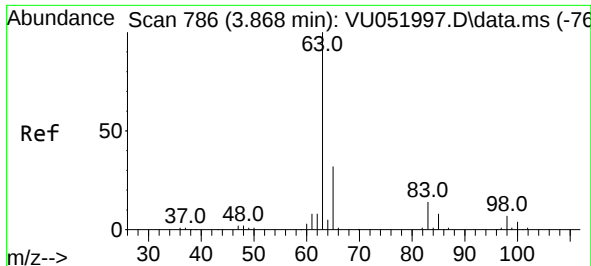
Ion Ratio Lower Upper

73 100

43 16.4 13.1 19.7

57 22.2 17.8 26.6





#19

1,1-Dichloroethane

Concen: 44.491 ug/L

RT: 3.868 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

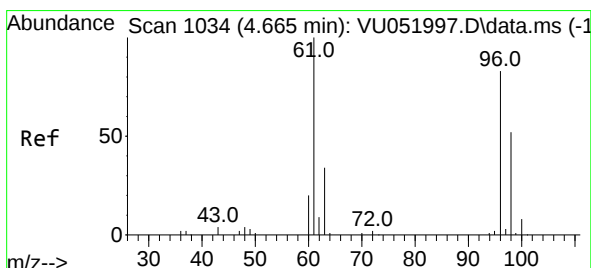
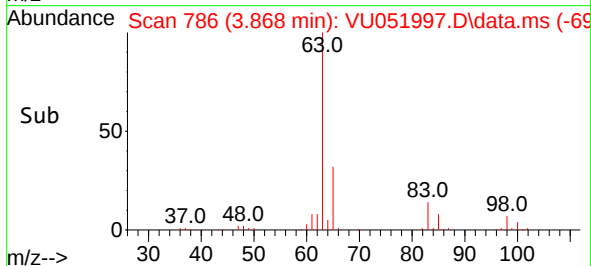
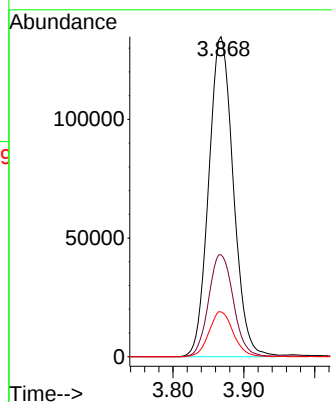
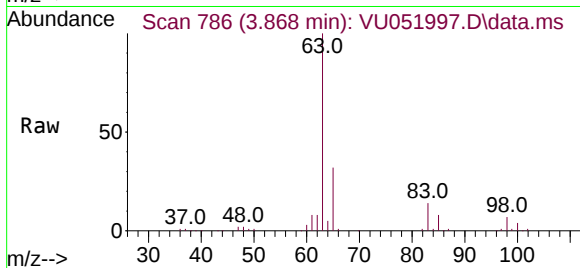
Tgt Ion: 63 Resp: 325543

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.3

83 14.0 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 47.128 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

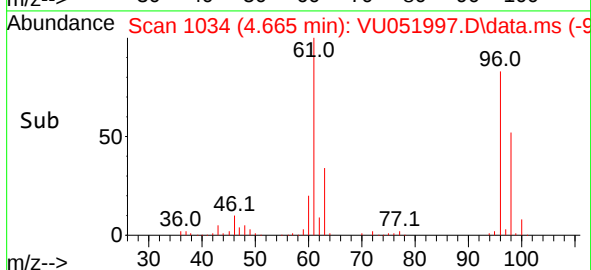
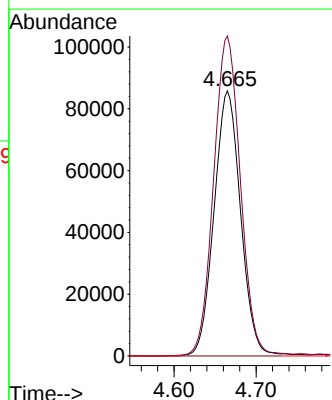
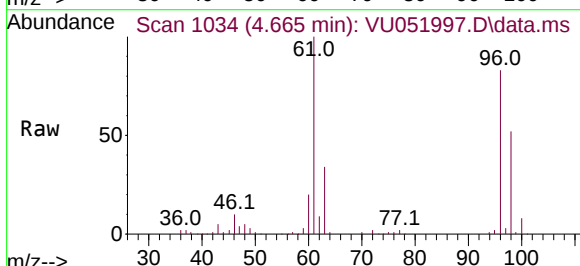
Tgt Ion: 96 Resp: 192591

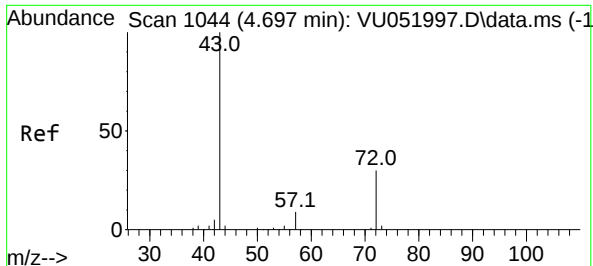
Ion Ratio Lower Upper

96 100

61 120.7 84.5 156.9

68 0.0 0.0 0.0

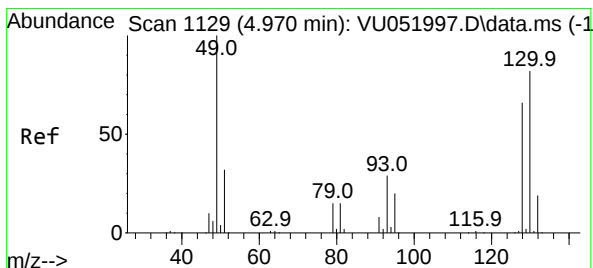
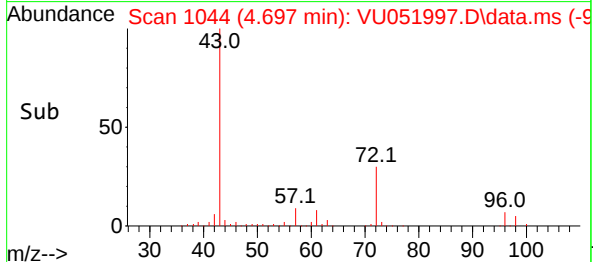
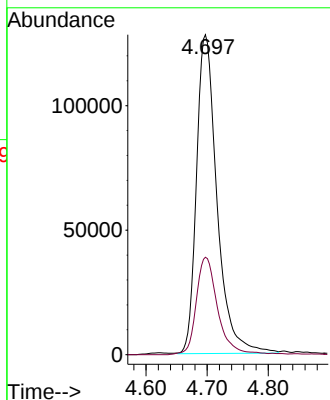
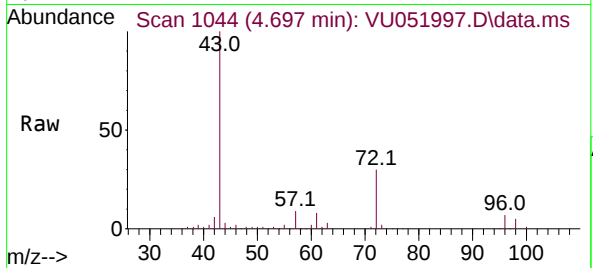




#22
2-Butanone
Concen: 84.271 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

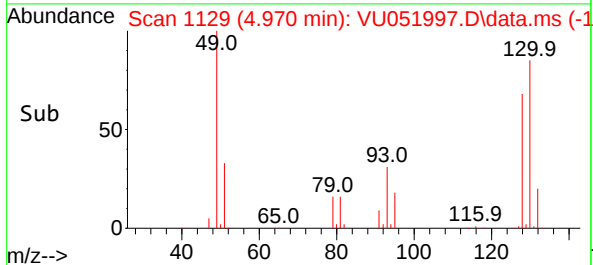
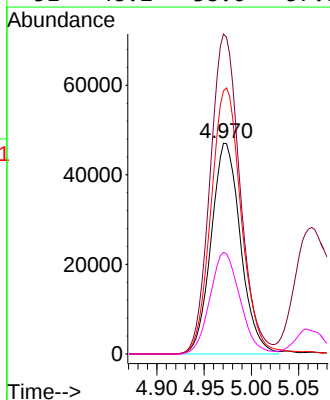
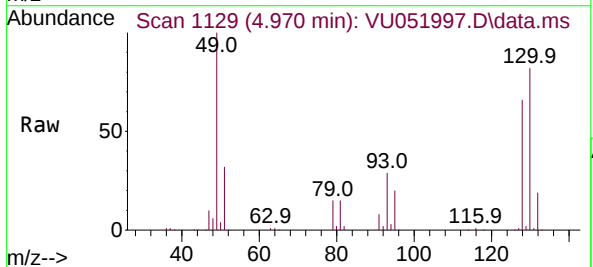
Instrument :
MSVOA_U
ClientSampleId :

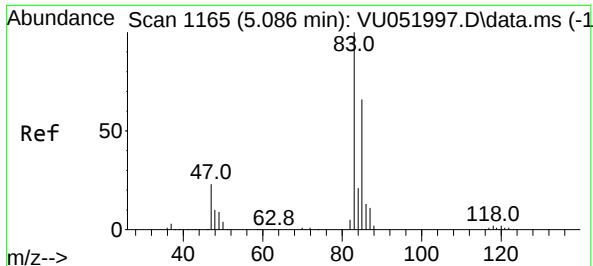
Tgt Ion: 43 Resp: 298825
Ion Ratio Lower Upper
43 100
72 31.8 15.9 47.7



#23
Bromochloromethane
Concen: 44.611 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion:128 Resp: 101734
Ion Ratio Lower Upper
128 100
49 151.8 106.3 197.3
130 124.8 87.4 162.2
51 48.2 38.6 57.8





#25

Chloroform

Concen: 44.859 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

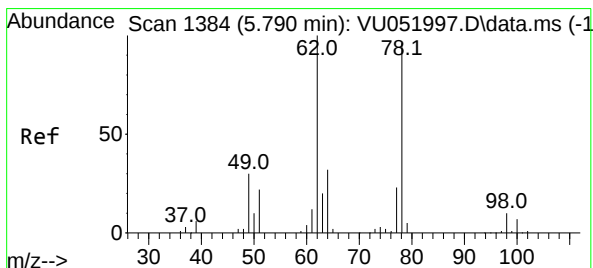
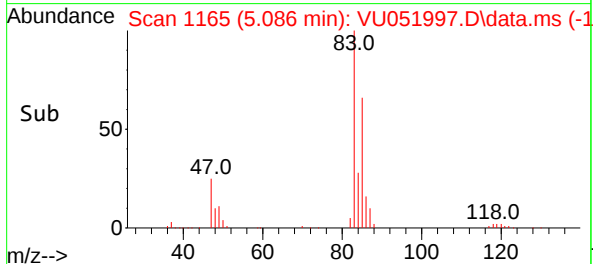
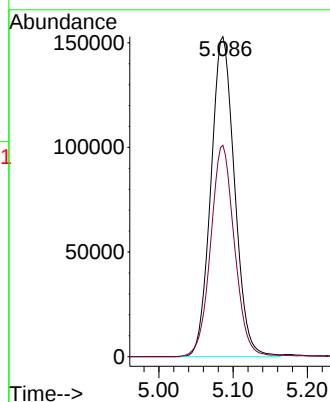
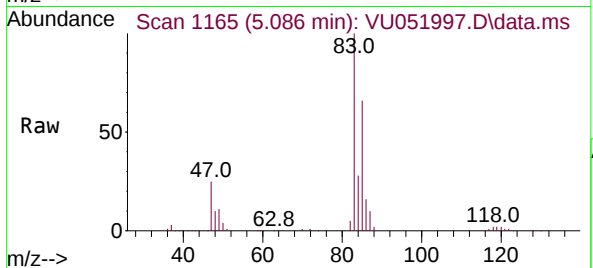
ClientSampleId :

Tgt Ion: 83 Resp: 338762

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9



#27

1,2-Dichloroethane

Concen: 42.880 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU051997.D

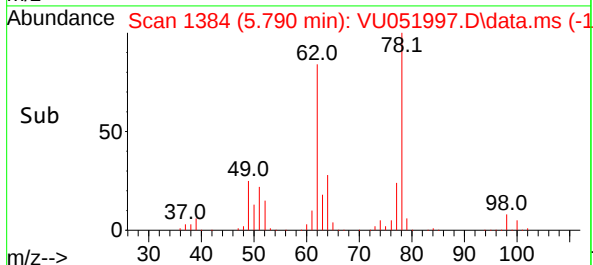
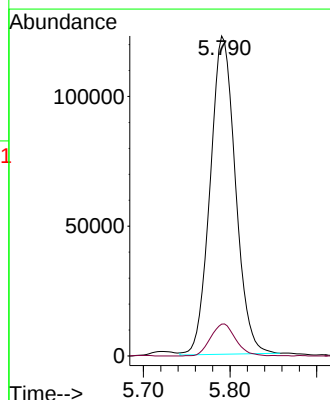
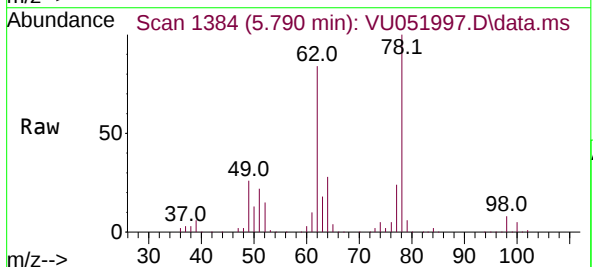
Acq: 21 Nov 2022 15:13

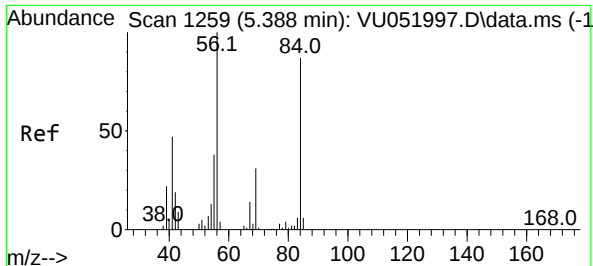
Tgt Ion: 62 Resp: 248824

Ion Ratio Lower Upper

62 100

98 9.9 7.9 11.9





#29

Cyclohexane

Concen: 46.837 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

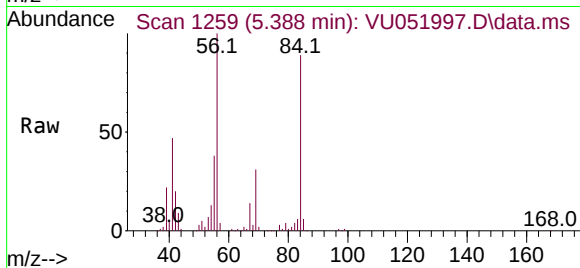
Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :



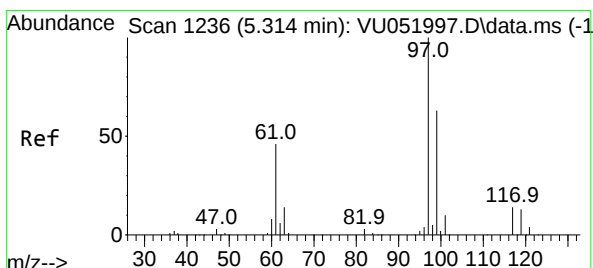
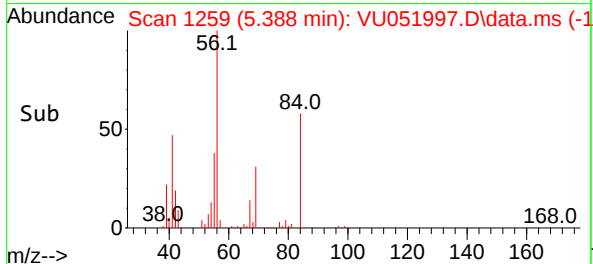
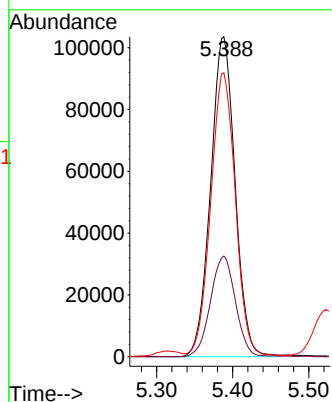
Tgt Ion: 56 Resp: 230942

Ion Ratio Lower Upper

56 100

69 32.1 25.7 38.5

84 87.7 70.2 105.2



#30

1,1,1-Trichloroethane

Concen: 46.238 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

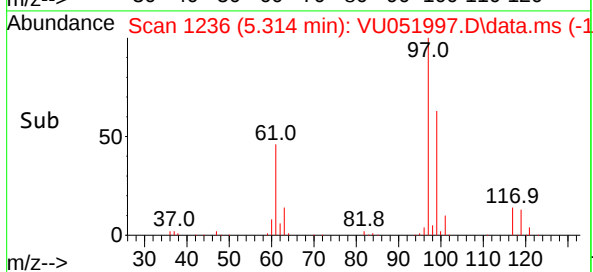
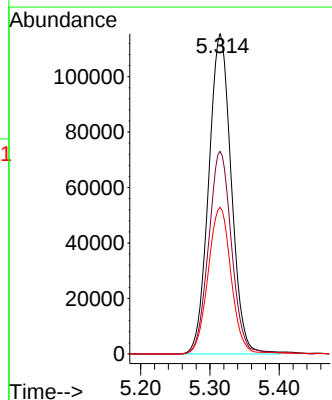
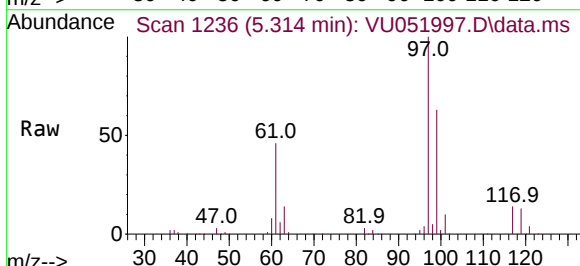
Tgt Ion: 97 Resp: 261189

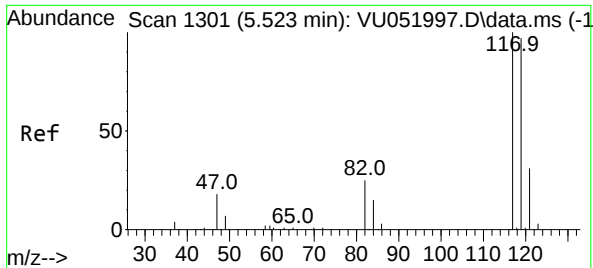
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 46.5 37.2 55.8

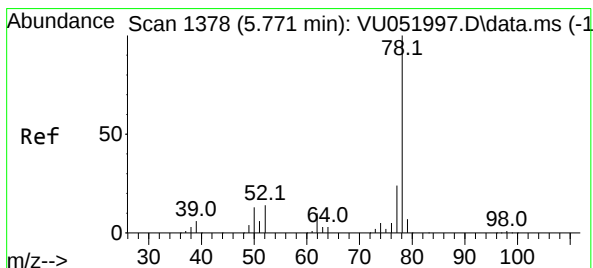
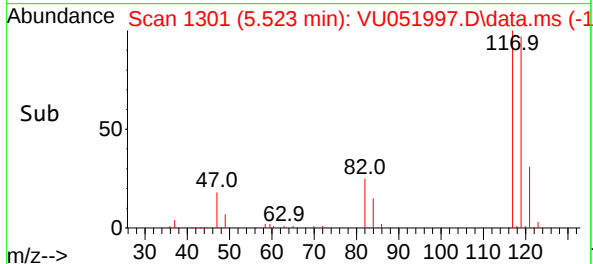
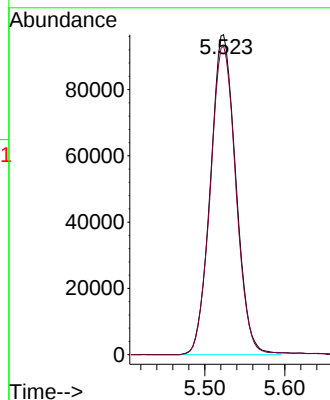
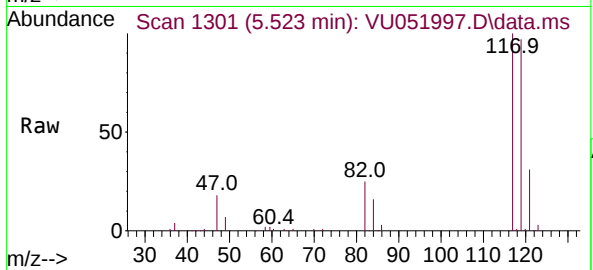




#31
Carbon tetrachloride
Concen: 44.906 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

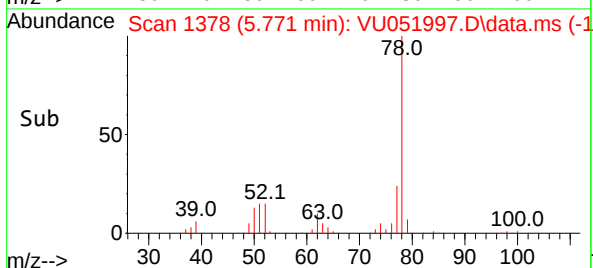
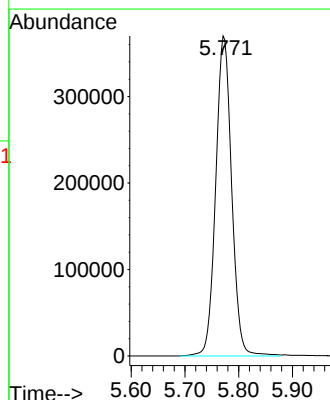
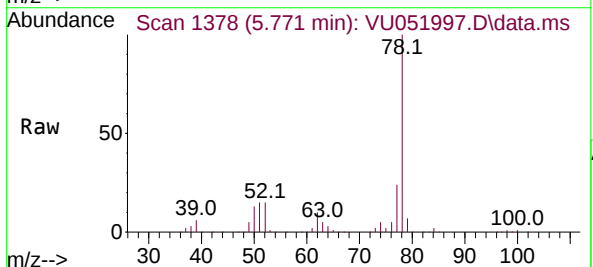
Instrument :
MSVOA_U
ClientSampleId :

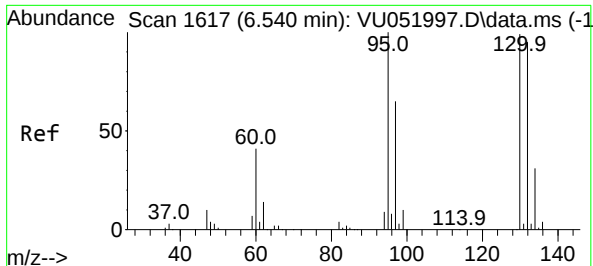
Tgt Ion:117 Resp: 212924
Ion Ratio Lower Upper
117 100
119 96.8 77.4 116.2



#33
Benzene
Concen: 48.762 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

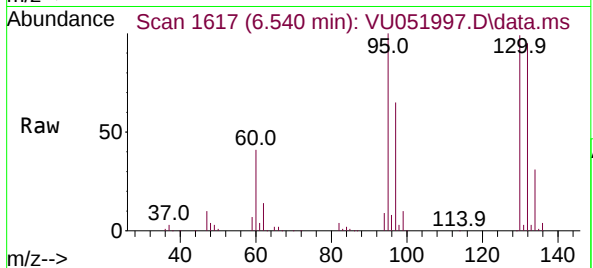
Tgt Ion: 78 Resp: 762942



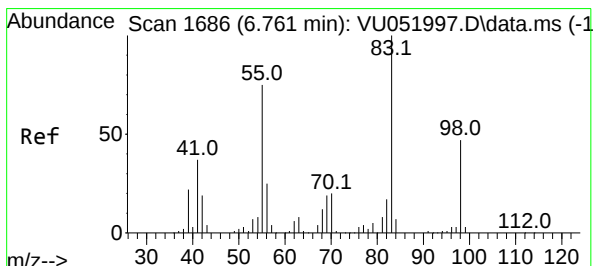
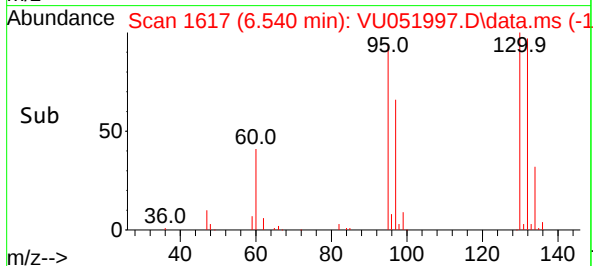
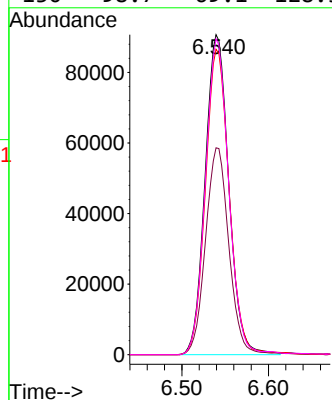


#34
Trichloroethene
Concen: 45.823 ug/L
RT: 6.540 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Instrument :
MSVOA_U
ClientSampleId :

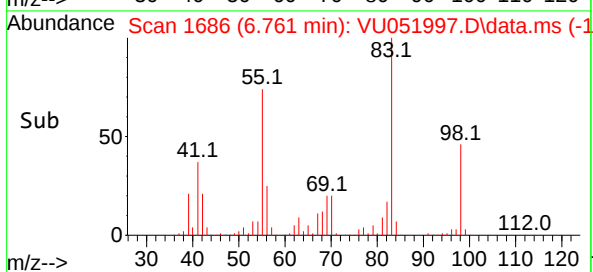
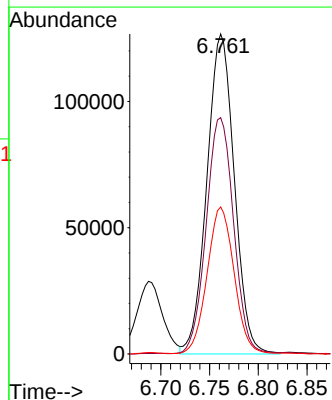
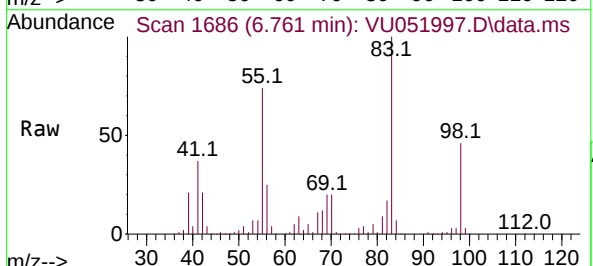


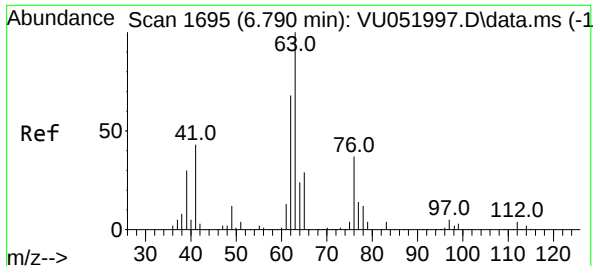
Tgt Ion: 95 Resp: 172437
Ion Ratio Lower Upper
95 100
97 64.7 45.3 84.1
132 95.5 66.8 124.2
130 98.7 69.1 128.3



#35
Methylcyclohexane
Concen: 46.746 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion: 83 Resp: 248212
Ion Ratio Lower Upper
83 100
55 73.8 59.0 88.6
98 45.0 36.0 54.0





#37

1,2-Dichloropropane

Concen: 47.973 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

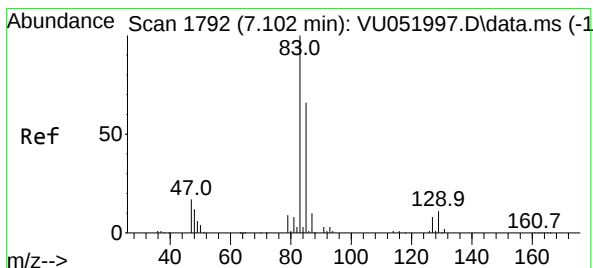
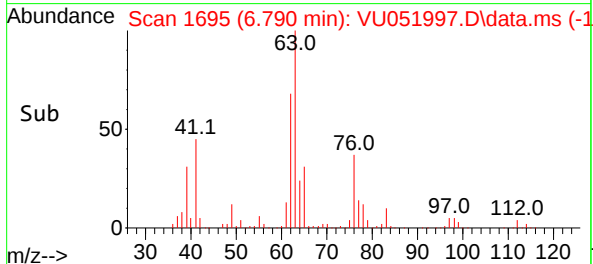
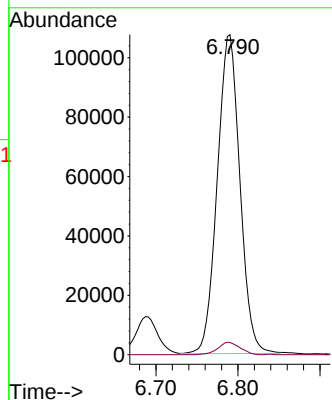
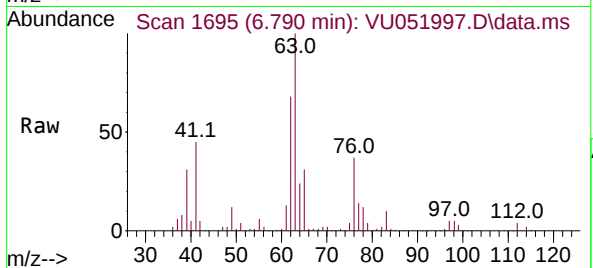
ClientSampleId :

Tgt Ion: 63 Resp: 206510

Ion Ratio Lower Upper

63 100

112 3.8 3.0 4.6



#38

Bromodichloromethane

Concen: 46.827 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

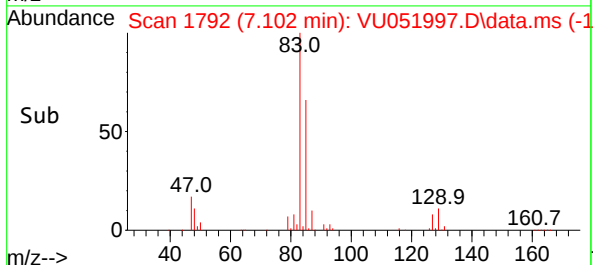
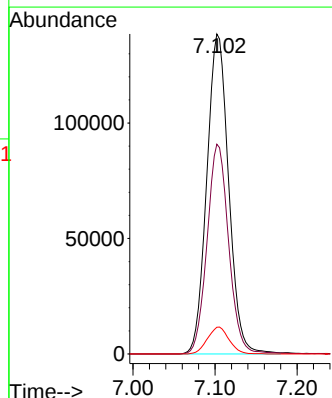
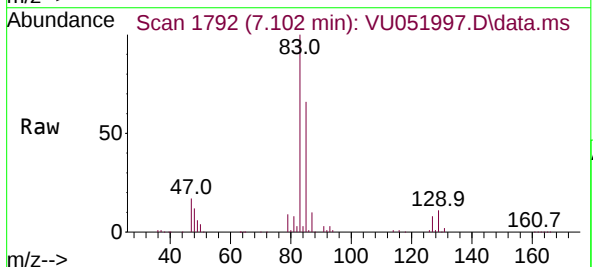
Tgt Ion: 83 Resp: 256568

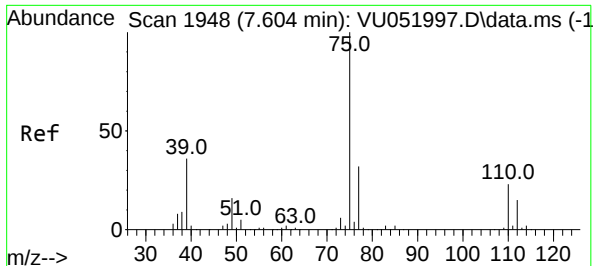
Ion Ratio Lower Upper

83 100

85 65.6 45.9 85.3

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 49.606 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

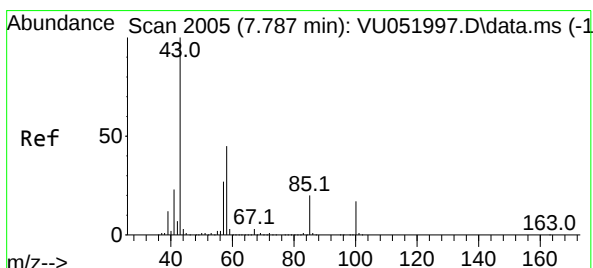
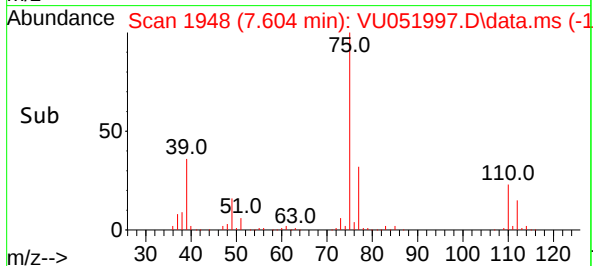
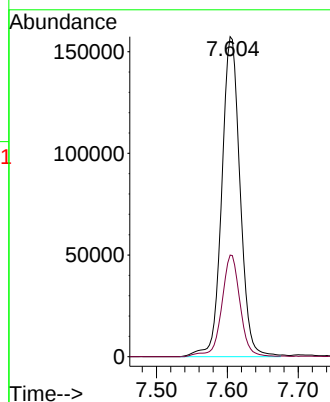
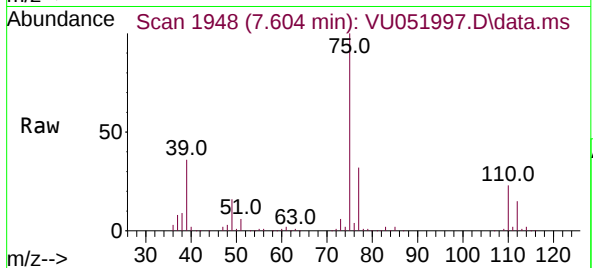
ClientSampleId :

Tgt Ion: 75 Resp: 282953

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 96.499 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

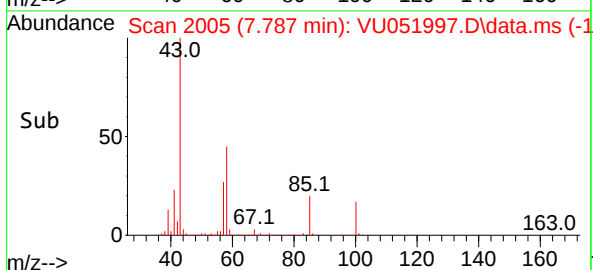
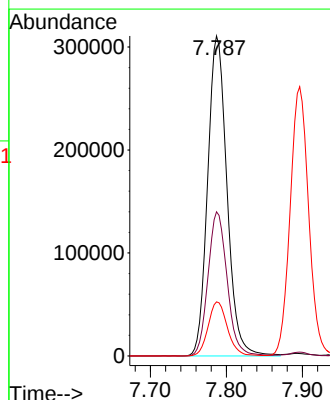
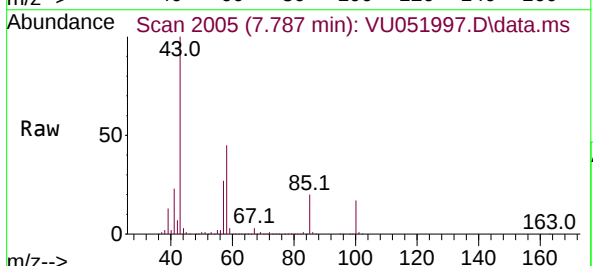
Tgt Ion: 43 Resp: 548797

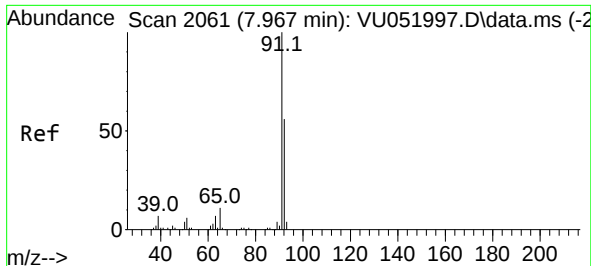
Ion Ratio Lower Upper

43 100

58 44.7 35.8 53.6

100 16.9 13.5 20.3





#42

Toluene

Concen: 50.920 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

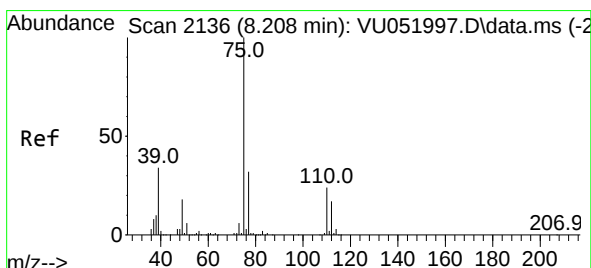
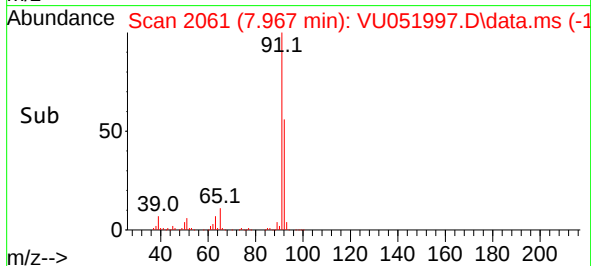
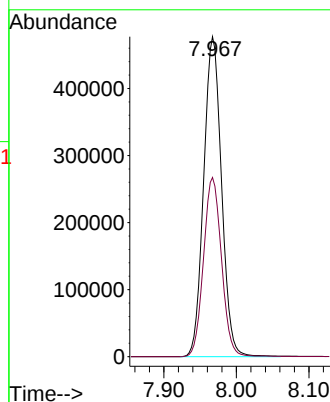
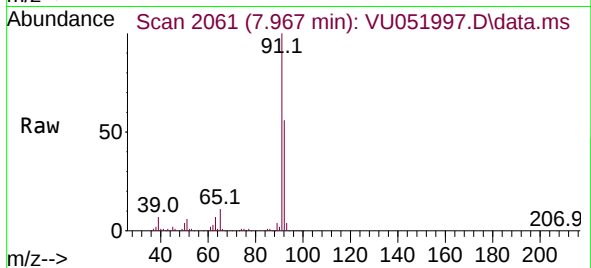
ClientSampleId :

Tgt Ion: 91 Resp: 817308

Ion Ratio Lower Upper

91 100

92 56.0 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 48.046 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051997.D

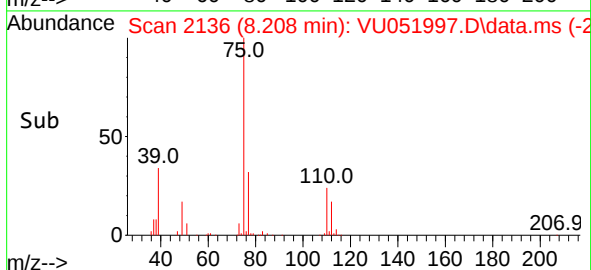
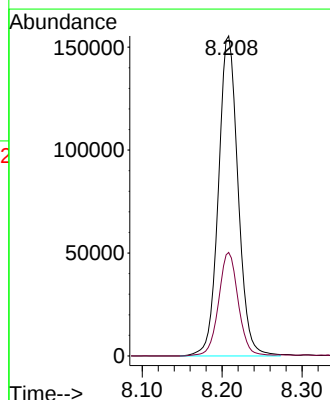
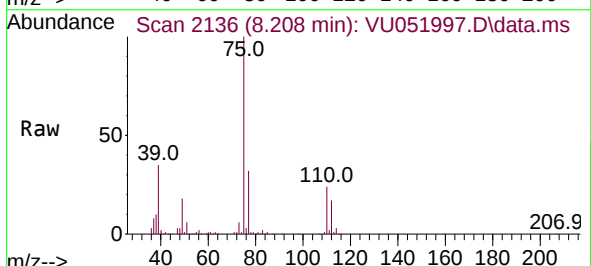
Acq: 21 Nov 2022 15:13

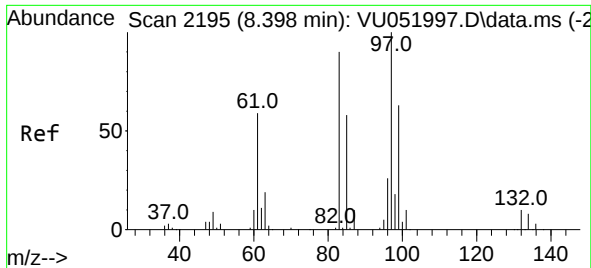
Tgt Ion: 75 Resp: 264073

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1



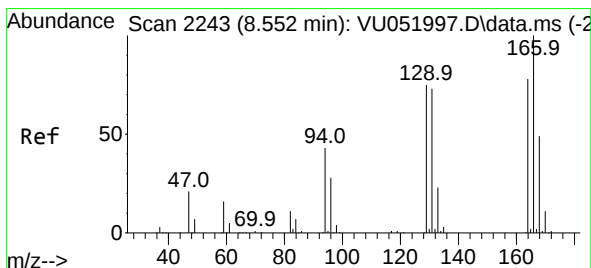
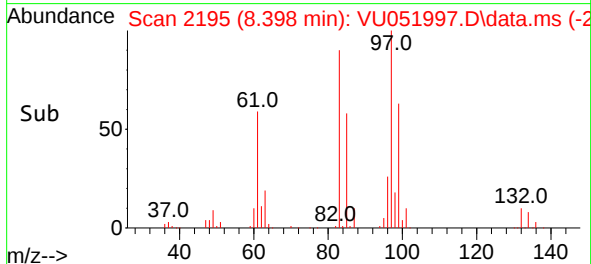
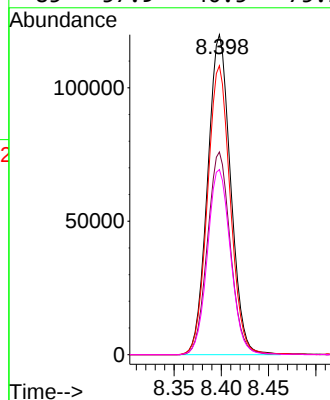
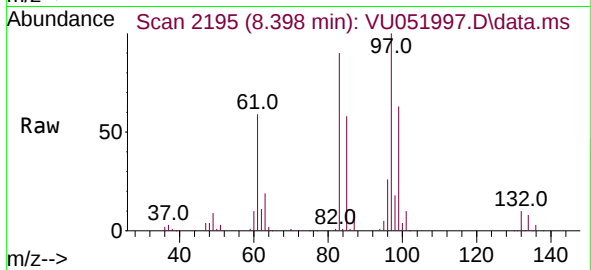


#45
1,1,2-Trichloroethane
Concen: 47.301 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 203310

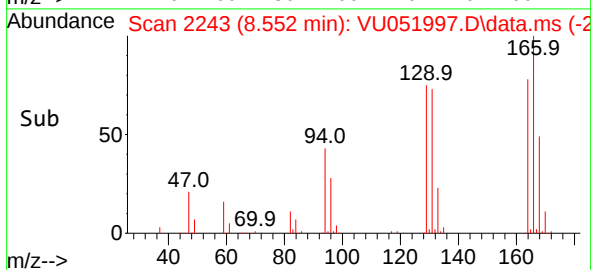
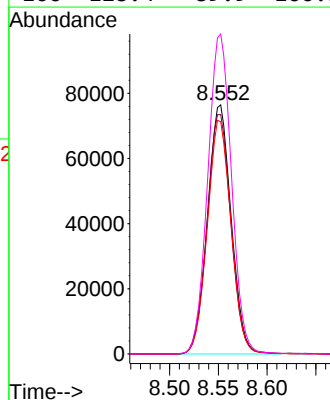
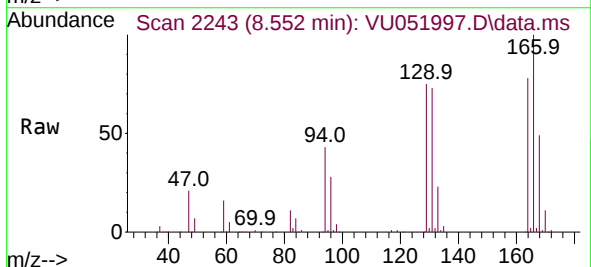
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.4	82.4
83	90.3	63.2	117.4
85	57.9	40.5	75.3

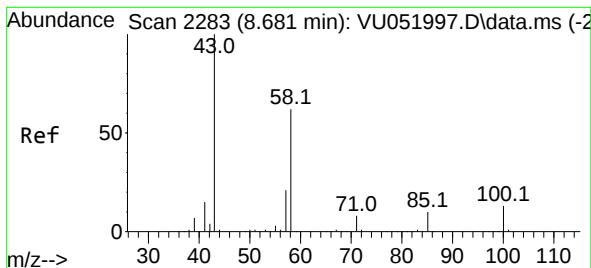


#46
Tetrachloroethene
Concen: 46.277 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion: 164 Resp: 129229

Ion	Ratio	Lower	Upper
164	100		
129	96.1	67.3	124.9
131	93.2	65.2	121.2
166	128.4	89.9	166.9





#48

2-Hexanone

Concen: 93.817 ug/L

RT: 8.681 min Scan# 2283

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 449806

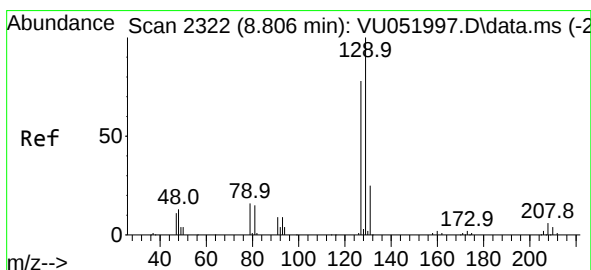
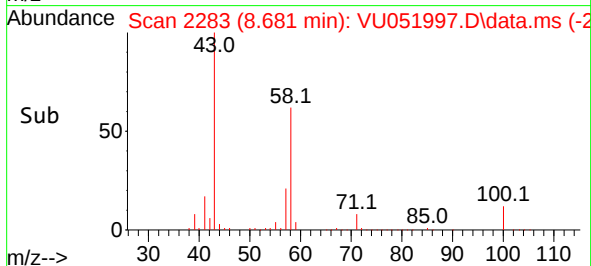
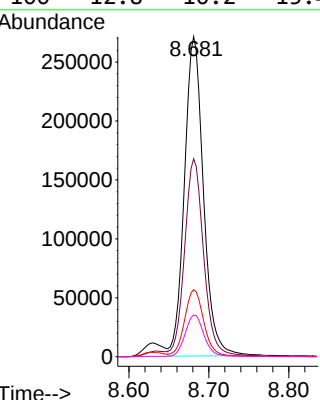
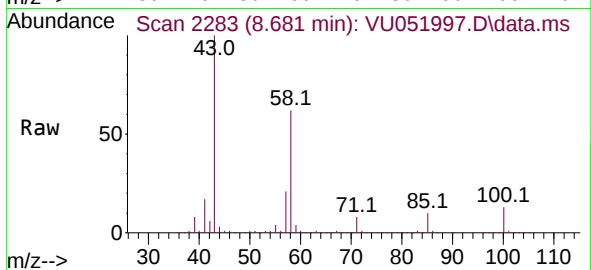
Ion Ratio Lower Upper

43 100

58 62.0 49.6 74.4

57 21.0 16.8 25.2

100 12.8 10.2 15.4



#49

Dibromochloromethane

Concen: 47.158 ug/L

RT: 8.806 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VU051997.D

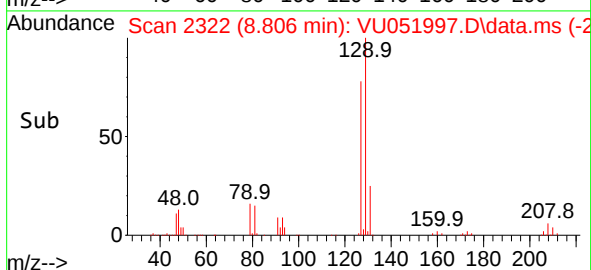
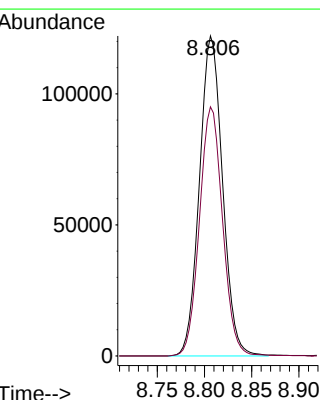
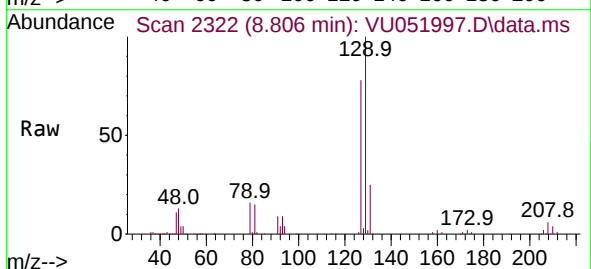
Acq: 21 Nov 2022 15:13

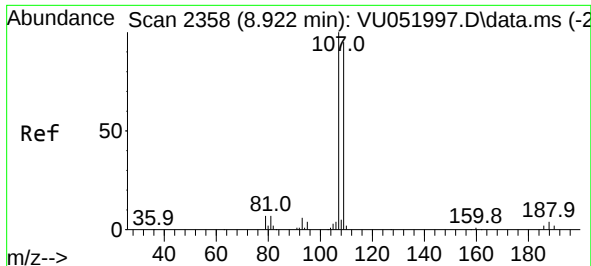
Tgt Ion: 129 Resp: 207781

Ion Ratio Lower Upper

129 100

127 77.8 54.5 101.1





#50

1,2-Dibromoethane

Concen: 47.022 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

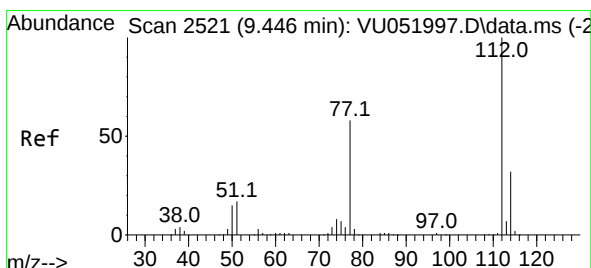
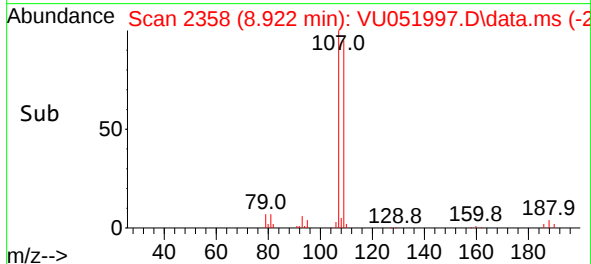
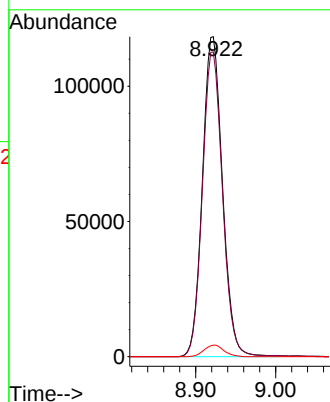
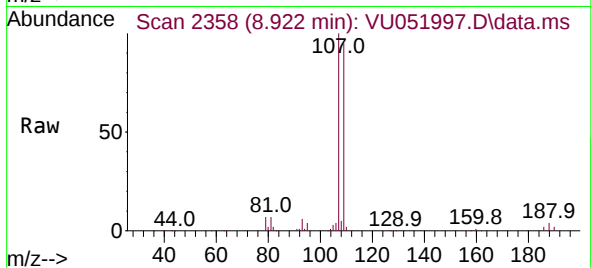
Tgt Ion:107 Resp: 207084

Ion Ratio Lower Upper

107 100

109 95.2 66.6 123.8

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 48.059 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

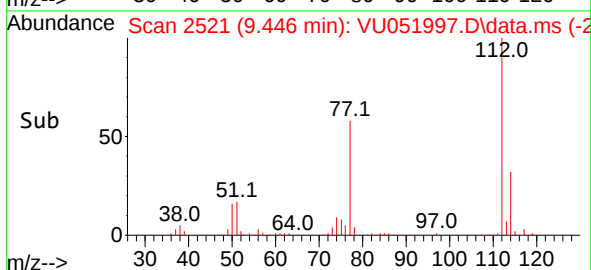
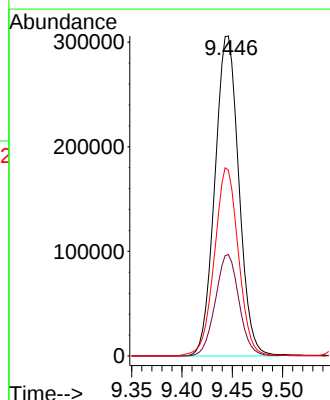
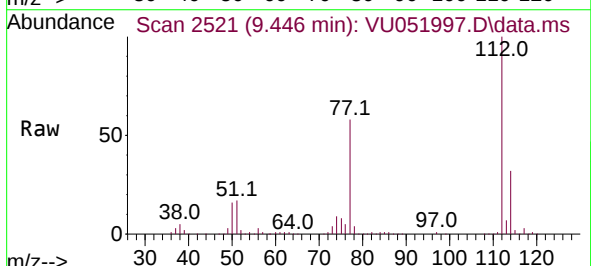
Tgt Ion:112 Resp: 507879

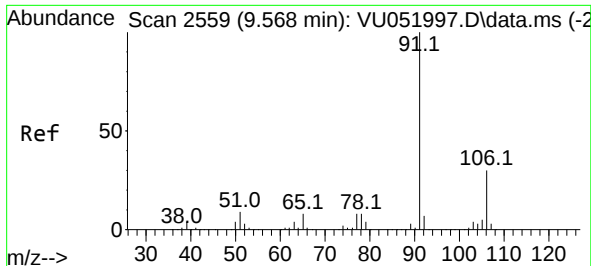
Ion Ratio Lower Upper

112 100

114 31.7 22.2 41.2

77 58.1 46.5 69.7

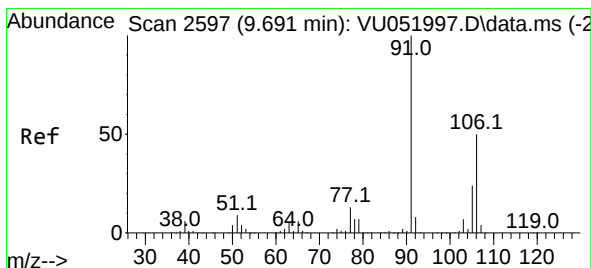
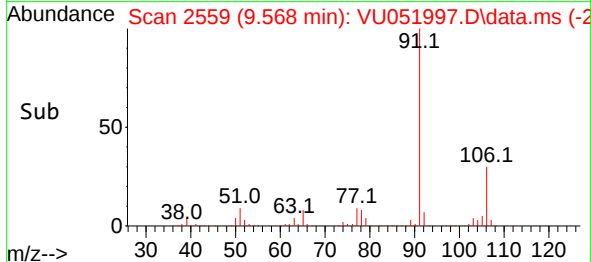
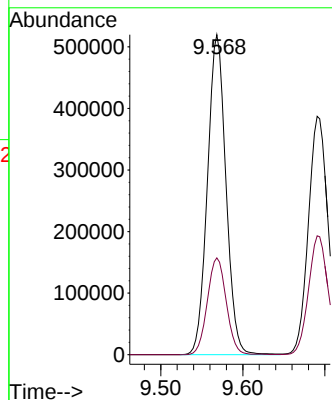
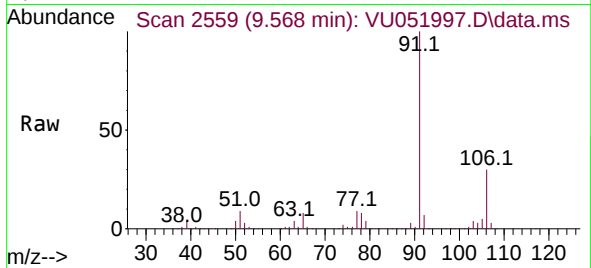




#52
Ethylbenzene
Concen: 50.298 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

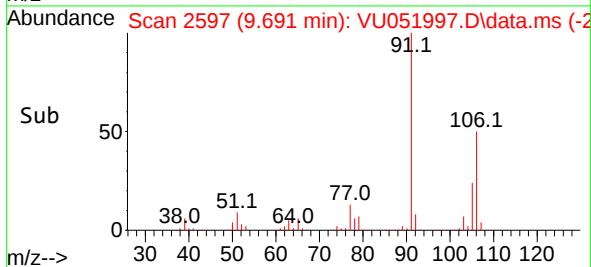
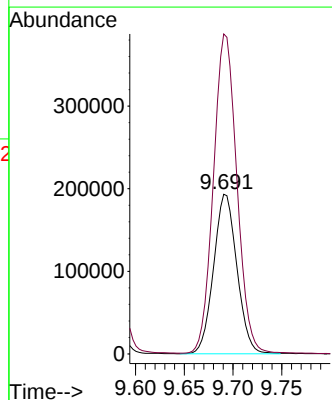
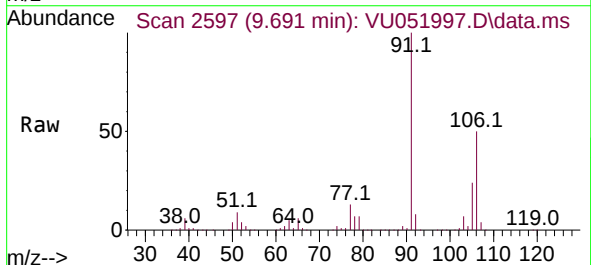
Instrument :
MSVOA_U
ClientSampleId :

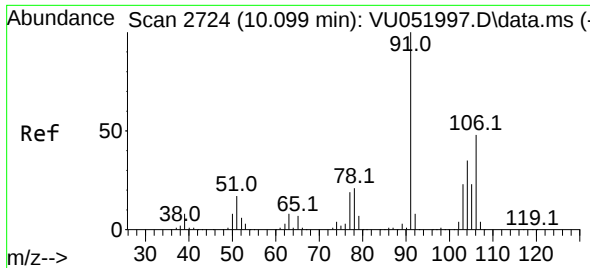
Tgt Ion: 91 Resp: 815676
Ion Ratio Lower Upper
91 100
106 30.3 21.2 39.4



#53
m,p-Xylene
Concen: 51.553 ug/L
RT: 9.691 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion: 106 Resp: 321226
Ion Ratio Lower Upper
106 100
91 200.5 140.3 260.6

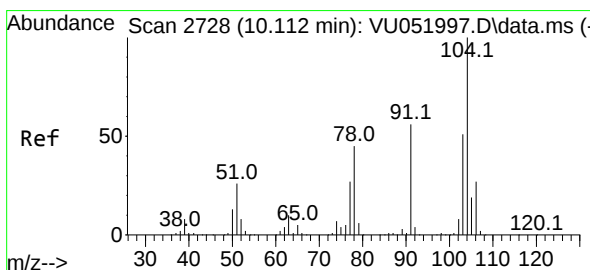
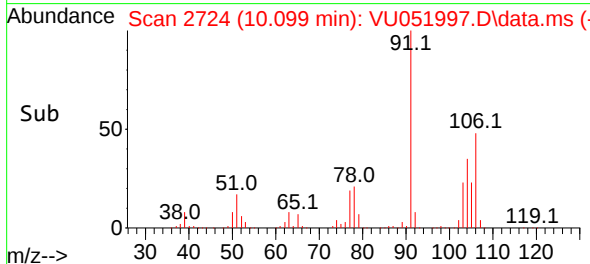
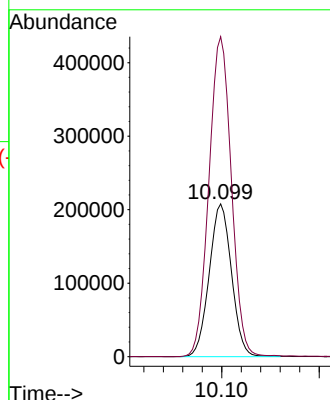
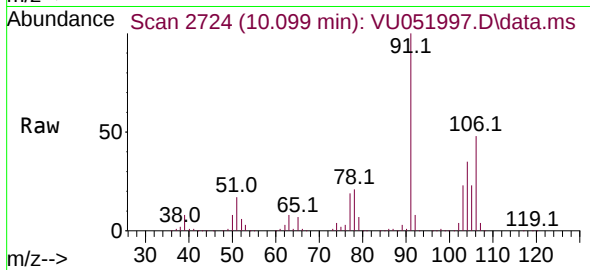




#54
o-Xylene
Concen: 52.906 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

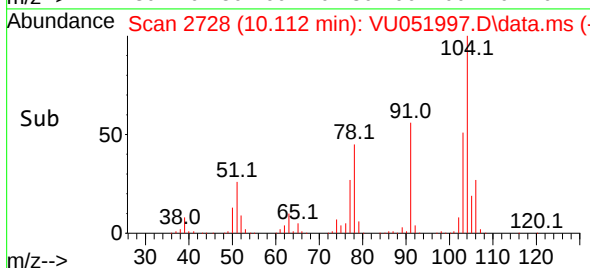
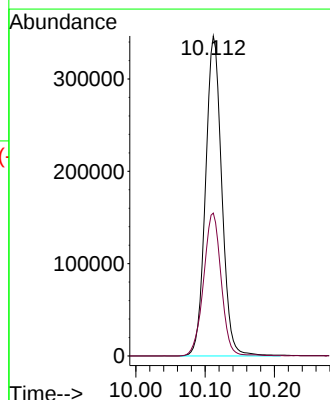
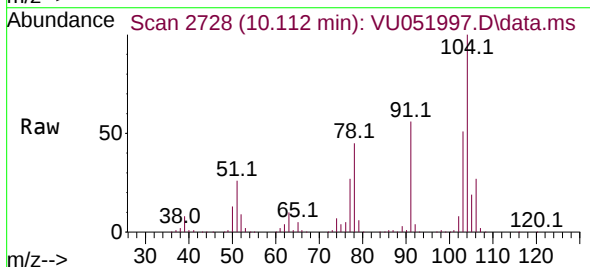
Instrument :
MSVOA_U
ClientSampleId :

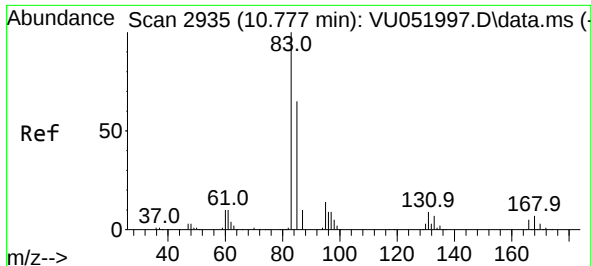
Tgt Ion:106 Resp: 330231
Ion Ratio Lower Upper
106 100
91 209.5 146.7 272.4



#55
Styrene
Concen: 52.500 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion:104 Resp: 563239
Ion Ratio Lower Upper
104 100
78 44.6 31.2 58.0





#57

1,1,2,2-Tetrachloroethane

Concen: 46.624 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

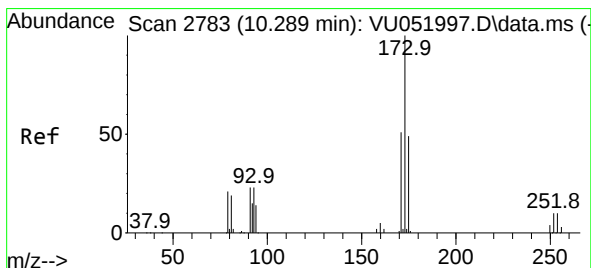
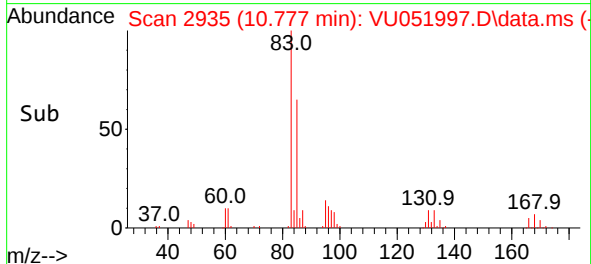
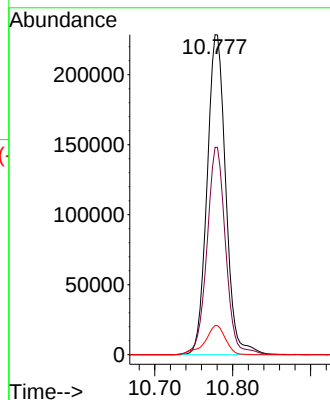
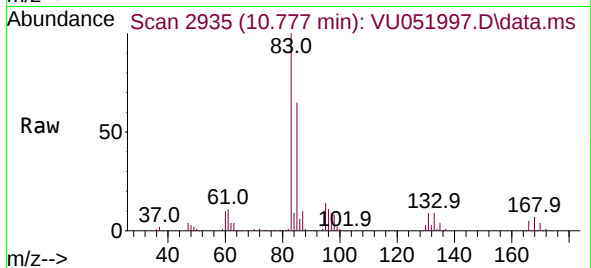
Tgt Ion: 83 Resp: 380226

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

131 9.1 7.3 10.9



#59

Bromoform

Concen: 46.364 ug/L

RT: 10.289 min Scan# 2783

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

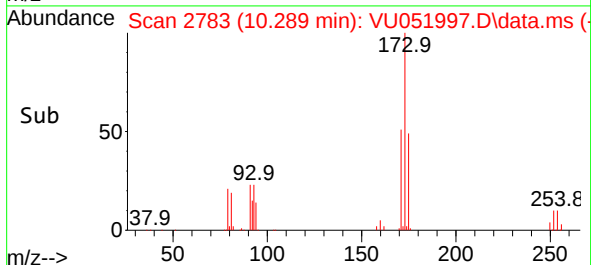
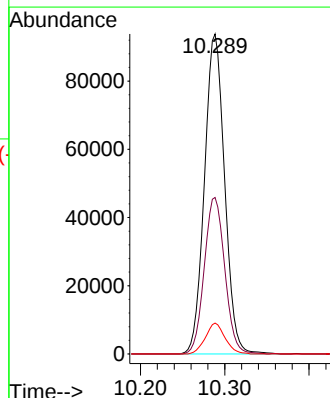
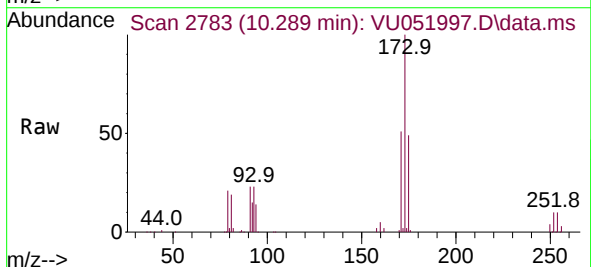
Tgt Ion:173 Resp: 156460

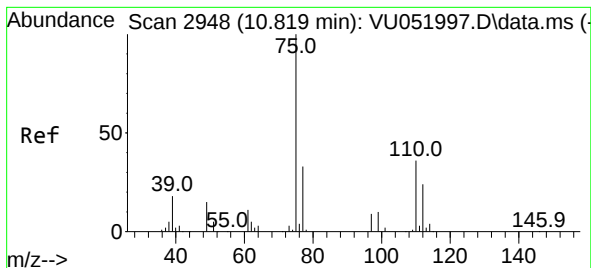
Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.6

254 9.4 7.5 11.3





#60

1,2,3-Trichloropropane

Concen: 45.448 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

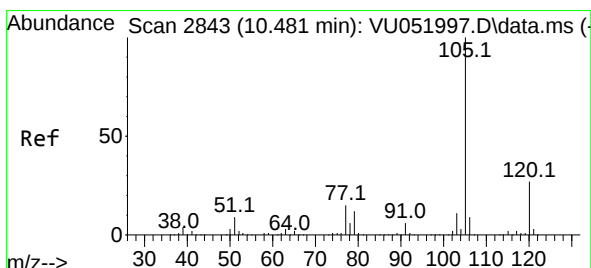
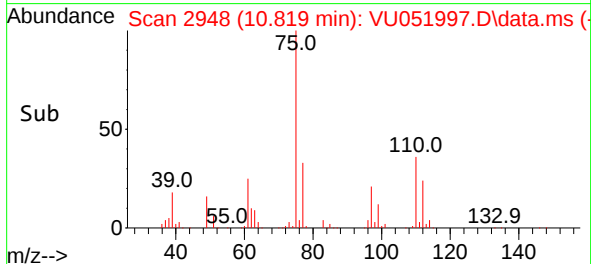
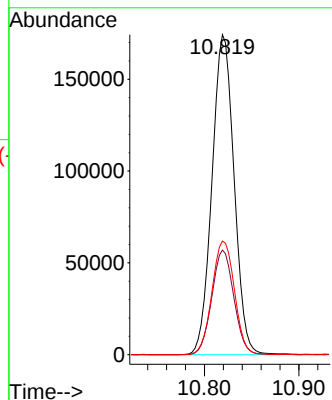
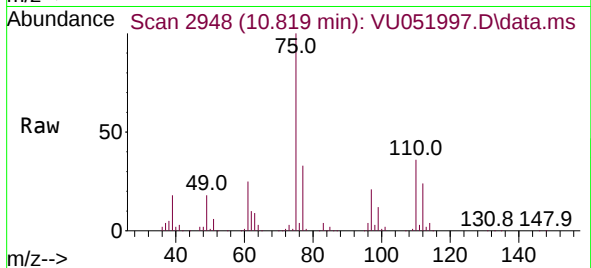
Tgt Ion: 75 Resp: 282571

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

110 36.2 29.0 43.4



#61

Isopropylbenzene

Concen: 53.126 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

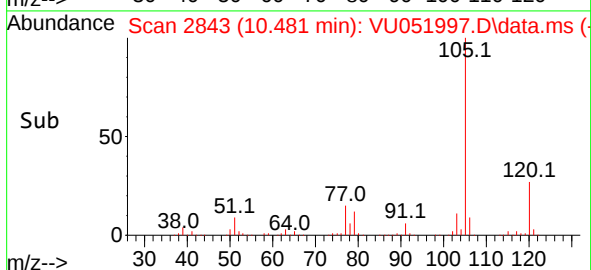
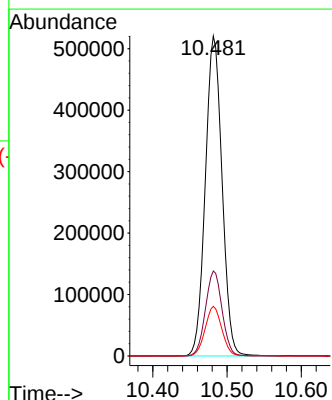
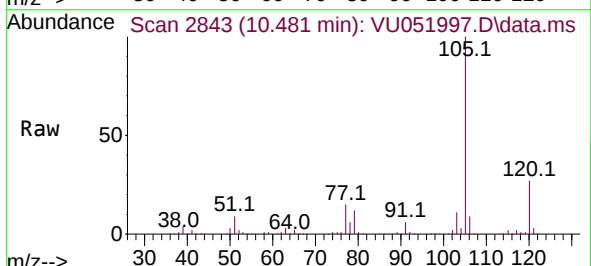
Tgt Ion: 105 Resp: 812842

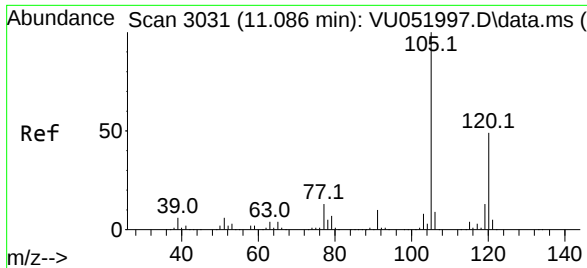
Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.5 12.4 18.6

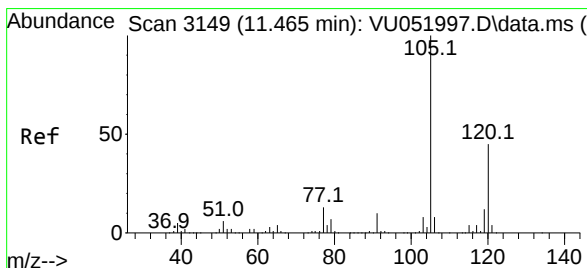
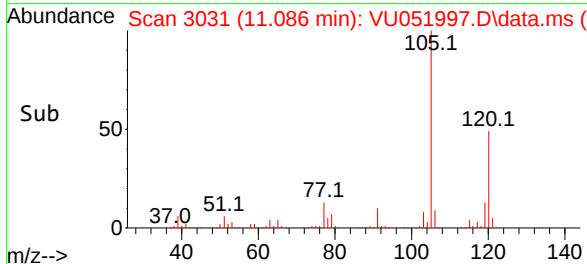
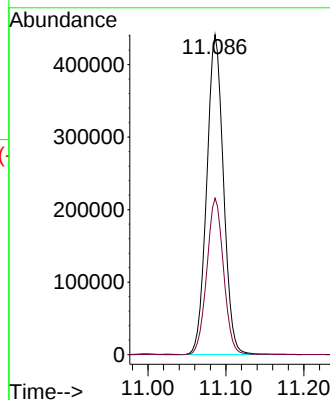
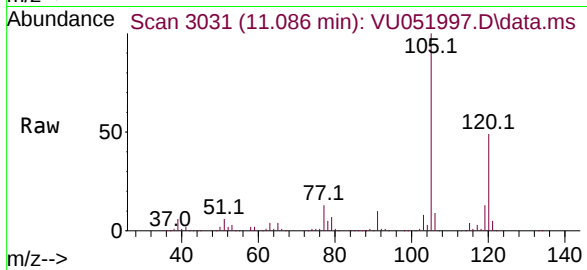




#62
 1,3,5-Trimethylbenzene
 Concen: 51.217 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

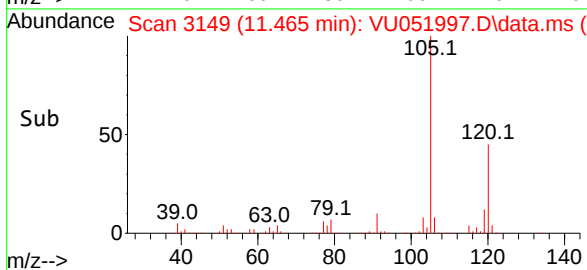
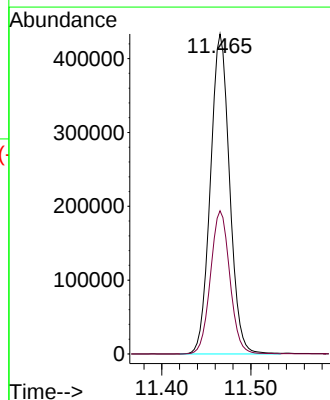
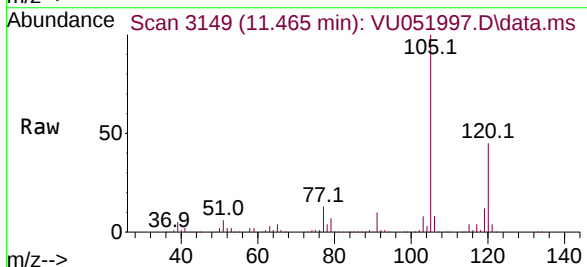
Instrument :
 MSVOA_U
 ClientSampleId :

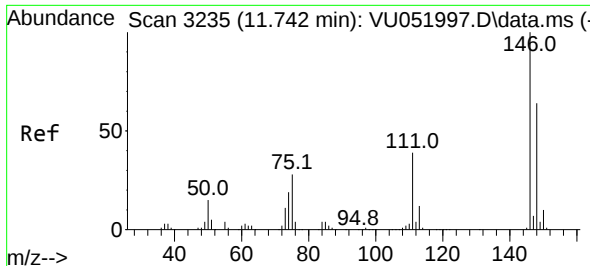
Tgt Ion:105 Resp: 656899
 Ion Ratio Lower Upper
 105 100
 120 49.1 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 51.616 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

Tgt Ion:105 Resp: 648408
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.1 54.1

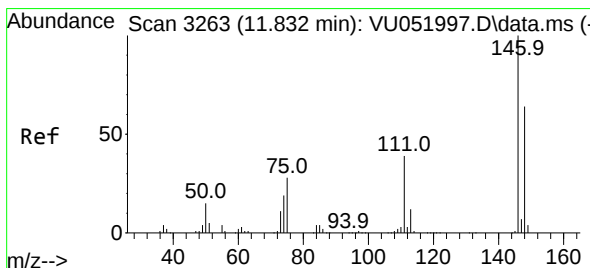
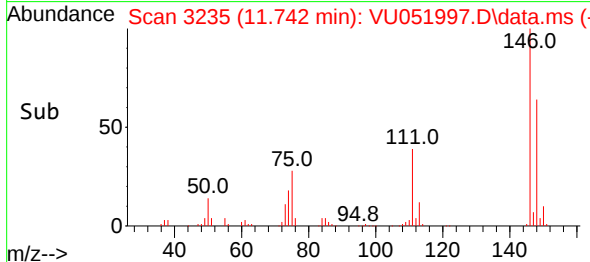
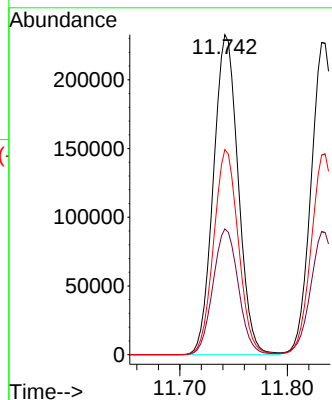
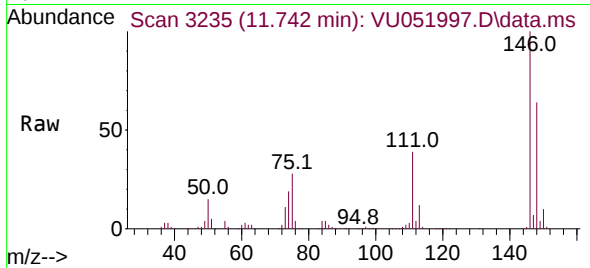




#64
 1,3-Dichlorobenzene
 Concen: 48.316 ug/L
 RT: 11.742 min Scan# 3235
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

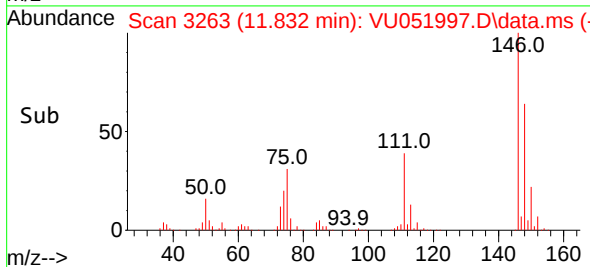
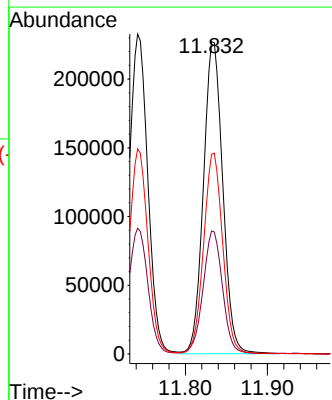
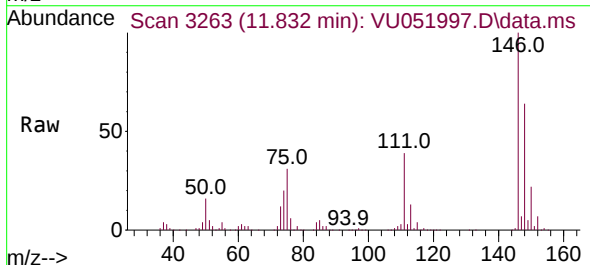
Instrument :
 MSVOA_U
 ClientSampleId :

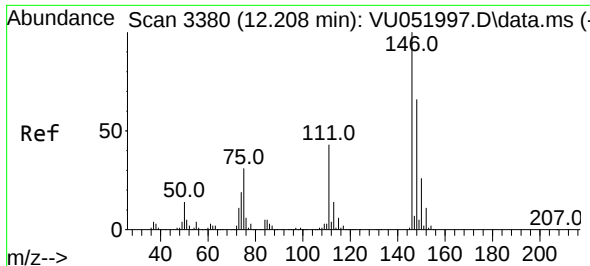
Tgt Ion:146 Resp: 373292
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 64.1 44.9 83.3



#65
 1,4-Dichlorobenzene
 Concen: 46.898 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU051997.D
 Acq: 21 Nov 2022 15:13

Tgt Ion:146 Resp: 371226
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.6 51.2
 148 64.0 44.8 83.2

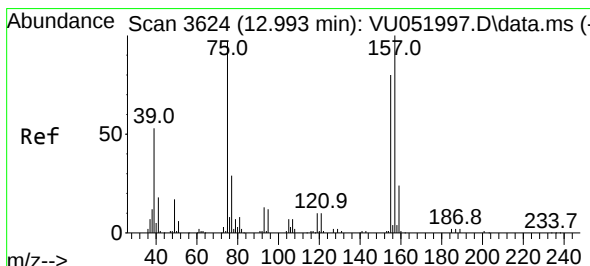
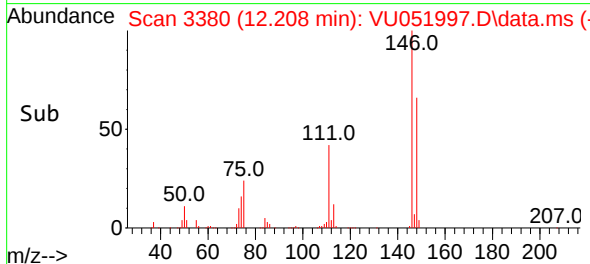
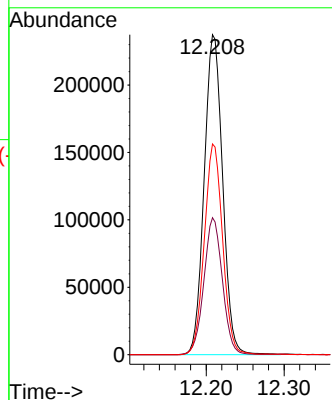
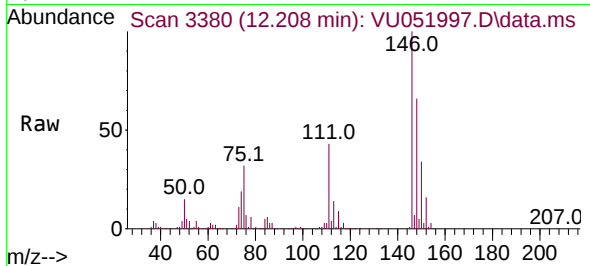




#67
1,2-Dichlorobenzene
Concen: 48.340 ug/L
RT: 12.208 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

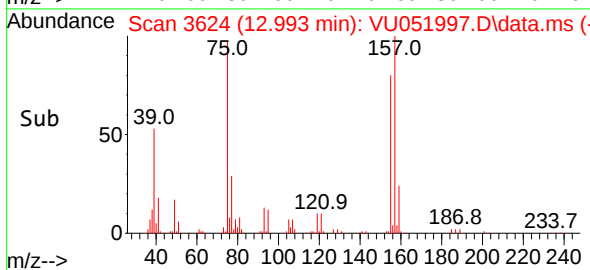
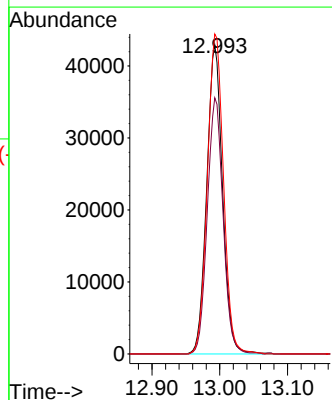
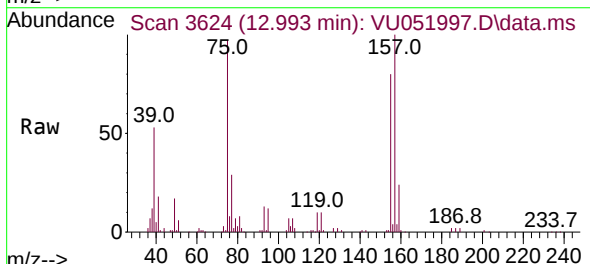
Instrument :
MSVOA_U
ClientSampleId :

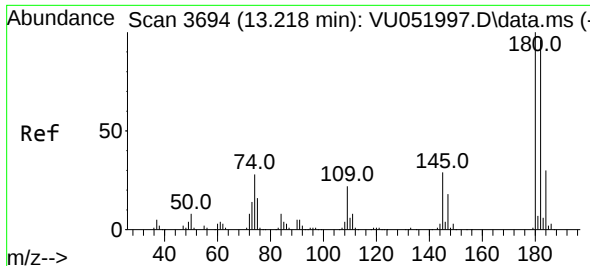
Tgt Ion:146 Resp: 390342
Ion Ratio Lower Upper
146 100
111 42.8 34.2 51.4
148 65.8 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 41.933 ug/L
RT: 12.993 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU051997.D
Acq: 21 Nov 2022 15:13

Tgt Ion: 75 Resp: 69752
Ion Ratio Lower Upper
75 100
155 82.9 66.3 99.5
157 103.5 82.8 124.2





#69

1,3,5-Trichlorobenzene

Concen: 46.458 ug/L

RT: 13.218 min Scan# 3694

Delta R.T. 0.000 min

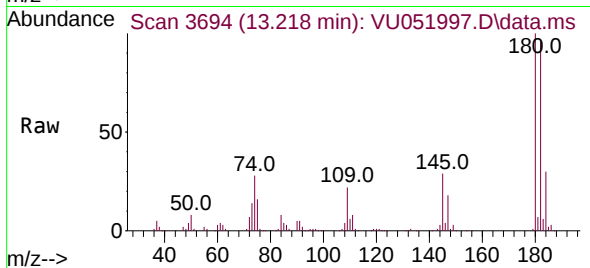
Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 239639

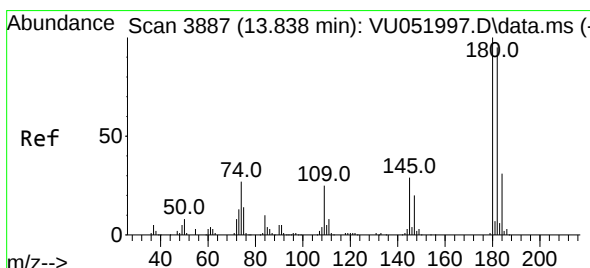
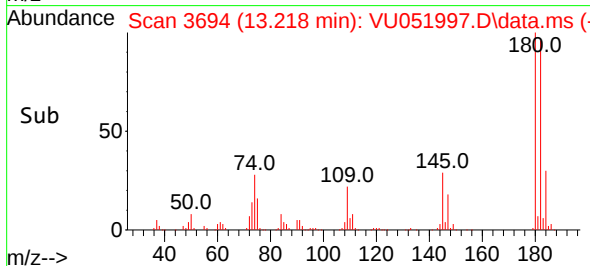
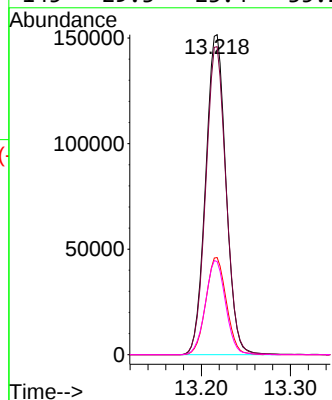
Ion Ratio Lower Upper

180 100

182 96.5 77.2 115.8

184 30.7 24.6 36.8

145 29.3 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 48.318 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

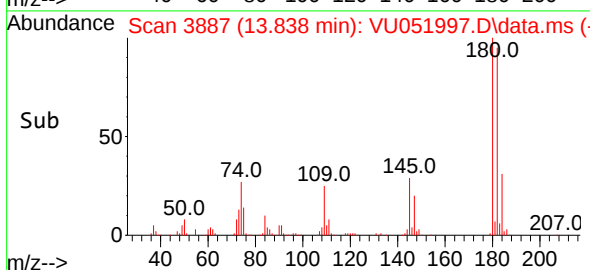
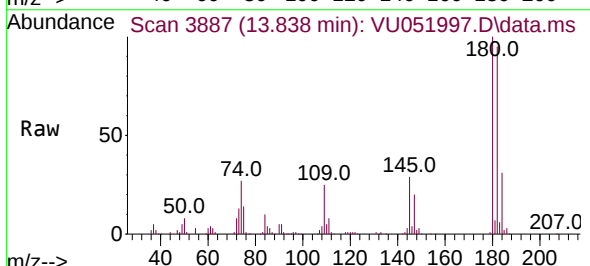
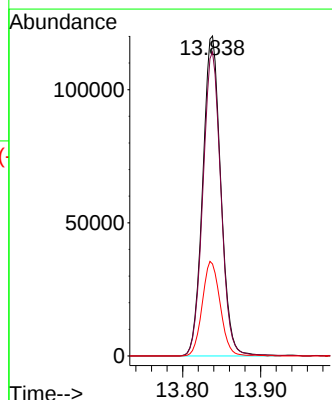
Tgt Ion:180 Resp: 193884

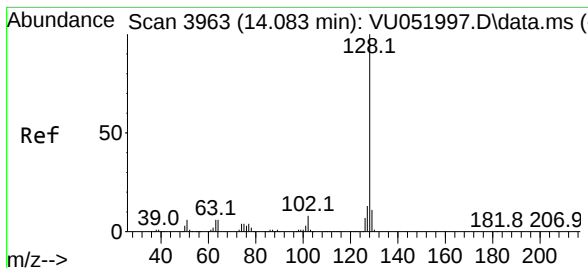
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 29.2 23.4 35.0





#71

Naphthalene

Concen: 52.067 ug/L

RT: 14.083 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Instrument :

MSVOA_U

ClientSampleId :

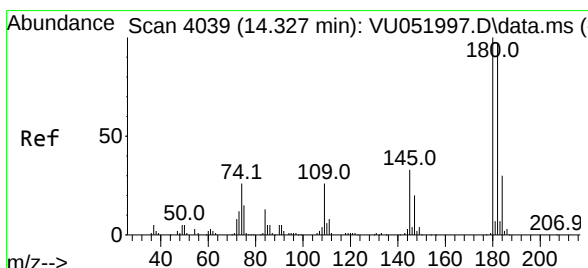
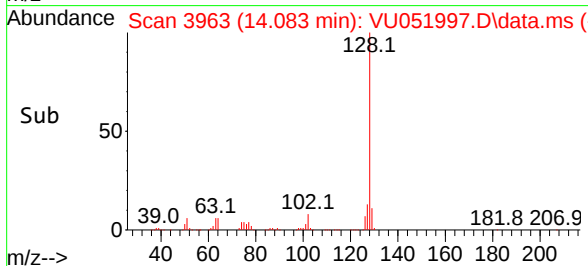
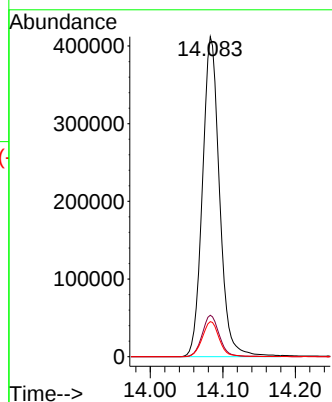
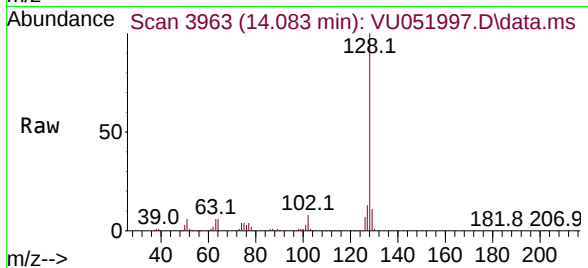
Tgt Ion:128 Resp: 674370

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.096 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

Lab File: VU051997.D

Acq: 21 Nov 2022 15:13

Tgt Ion:180 Resp: 218990

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 32.2 25.8 38.6

