

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051464.D
 Acq On : 20 Oct 2022 10:45
 Operator : JC/MD
 Sample : VSTD05045
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 20 21:39:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:37:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	498100	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	505619	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	268288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	193484	39.824	ug/L	0.00
7) Chloroethane-d5	1.893	69	159537	35.324	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.565	63	327944	44.569	ug/L	0.00
21) 2-Butanone-d5	4.616	46	280026	87.245	ug/L	0.00
24) Chloroform-d	5.060	84	356520	44.487	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	218335	44.094	ug/L	0.00
32) Benzene-d6	5.723	84	710618	48.359	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	227192	47.620	ug/L	0.00
41) Toluene-d8	7.896	98	672194	49.365	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	100149	44.626	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	208041	106.098	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	392850	47.279	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	247997	44.448	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	204189	48.436	ug/L	100
3) Chloromethane	1.523	50	249505	49.718	ug/L	100
5) Vinyl chloride	1.604	62	259233	48.853	ug/L	100
6) Bromomethane	1.829	94	137177	33.663	ug/L	100
8) Chloroethane	1.916	64	155508	40.580	ug/L	100
9) Trichlorofluoromethane	2.128	101	305103	43.799	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	182075	47.620	ug/L	100
12) 1,1-Dichloroethene	2.575	96	175084	48.736	ug/L	100
13) Acetone	2.623	43	286334	104.468	ug/L	100
14) Carbon disulfide	2.790	76	563417	52.132	ug/L	100
15) Methyl Acetate	2.941	43	227100	47.384	ug/L	100
16) Methylene chloride	3.041	84	223475	43.632	ug/L	100
17) trans-1,2-Dichloroethene	3.350	96	181290	47.612	ug/L	100
18) Methyl tert-butyl Ether	3.359	73	519950	45.705	ug/L	100
19) 1,1-Dichloroethane	3.864	63	353348	48.912	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	198183	47.067	ug/L	100
22) 2-Butanone	4.697	43	353369	97.166	ug/L	100
23) Bromochloromethane	4.970	128	107916	46.784	ug/L	100
25) Chloroform	5.086	83	365393	46.918	ug/L	100
27) 1,2-Dichloroethane	5.790	62	284760	47.552	ug/L	100
29) Cyclohexane	5.385	56	277223	54.688	ug/L	100
30) 1,1,1-Trichloroethane	5.311	97	291894	48.894	ug/L	100
31) Carbon tetrachloride	5.520	117	245799	50.223	ug/L	100
33) Benzene	5.771	78	829342	52.904	ug/L	100
34) Trichloroethene	6.539	95	191178	47.813	ug/L	100
35) Methylcyclohexane	6.761	83	294338	53.033	ug/L	100
37) 1,2-Dichloropropane	6.787	63	220941	52.283	ug/L	100
38) Bromodichloromethane	7.102	83	274874	49.172	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	295006	49.788	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	621153	102.503	ug/L	100
42) Toluene	7.967	91	888558	53.274	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	289585	48.658	ug/L	100

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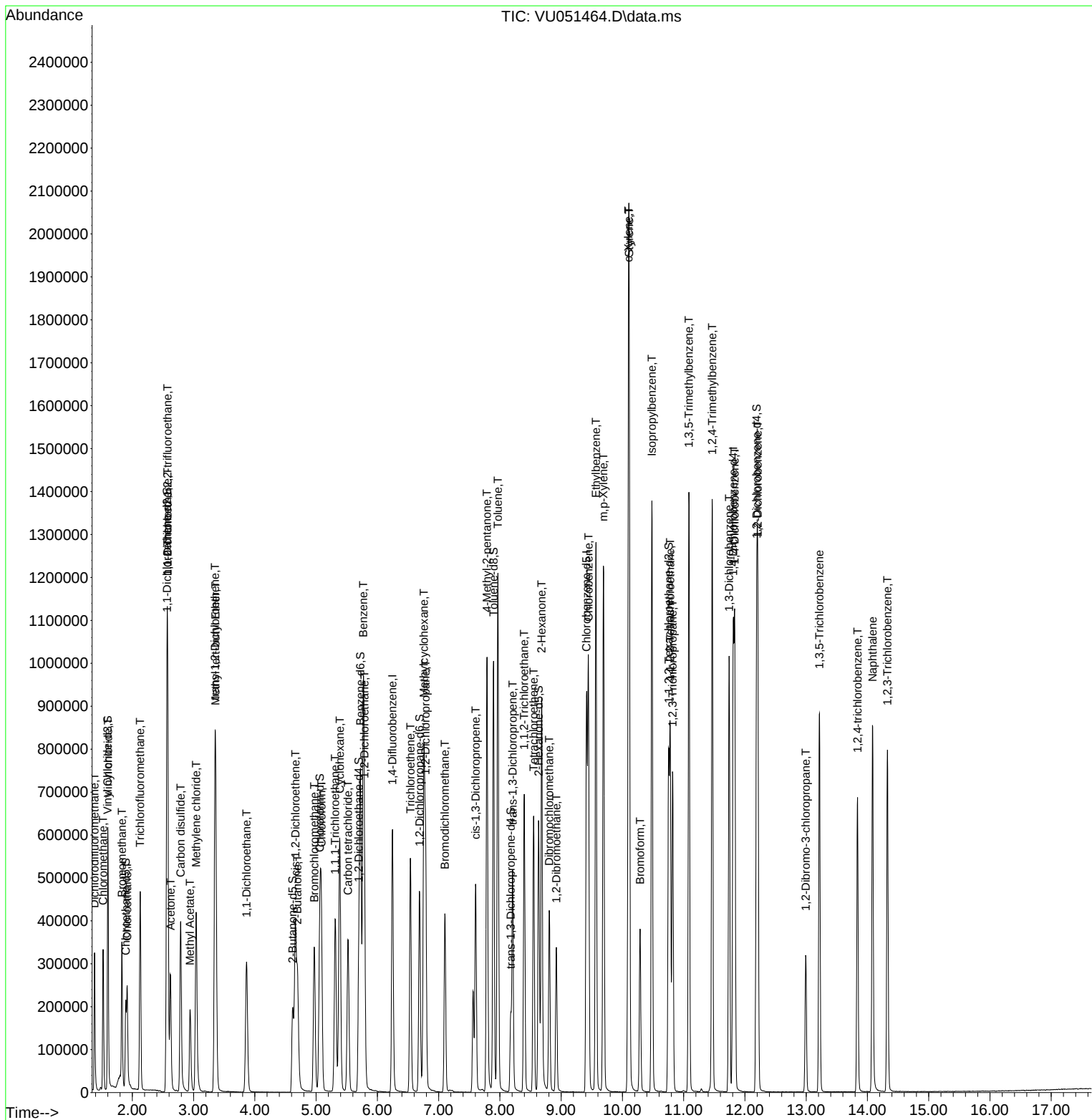
Instrument :
 MSVOA_U
 ClientSampleId :

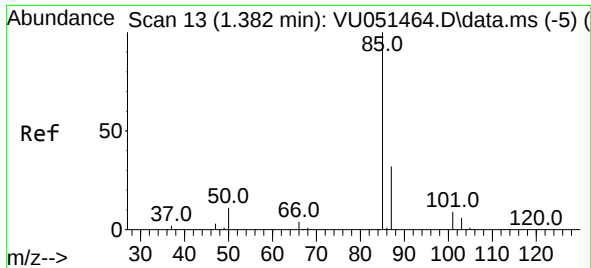
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	217096	48.098	ug/L	100
46) Tetrachloroethene	8.552	164	147538	48.354	ug/L	100
48) 2-Hexanone	8.681	43	544904	99.932	ug/L	100
49) Dibromochloromethane	8.806	129	220094	46.621	ug/L	100
50) 1,2-Dibromoethane	8.922	107	221275	45.607	ug/L	100
51) Chlorobenzene	9.446	112	538284	48.002	ug/L	100
52) Ethylbenzene	9.568	91	879054	50.367	ug/L	100
53) m,p-Xylene	9.690	106	351170	52.809	ug/L	100
54) o-Xylene	10.099	106	344482	51.960	ug/L	100
55) Styrene	10.111	104	618471	53.914	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	418323	51.932	ug/L	100
59) Bromoform	10.288	173	169181	43.075	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	322444	45.630	ug/L	100
61) Isopropylbenzene	10.481	105	858946	49.252	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	739902	52.140	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	748999	51.953	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	415490	45.898	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	421461	46.784	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	426938	46.942	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	83857	41.770	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	273576	45.224	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	209562	42.742	ug/L	100
71) Naphthalene	14.086	128	700359	40.494	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	243032	44.337	ug/L	100

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

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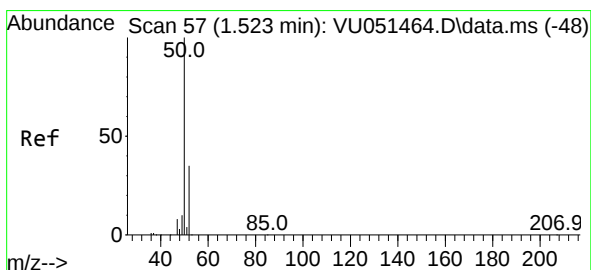
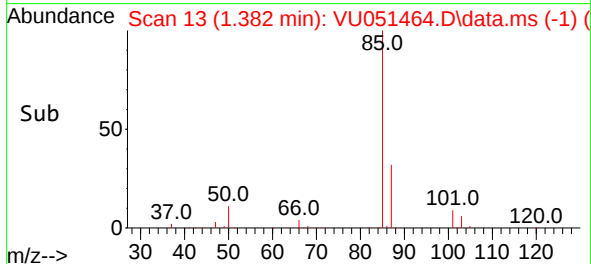
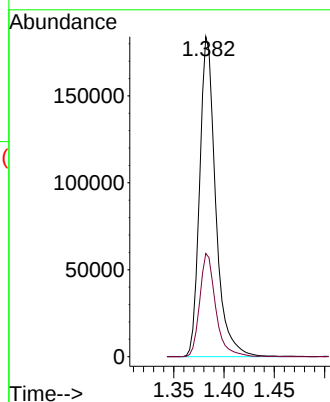
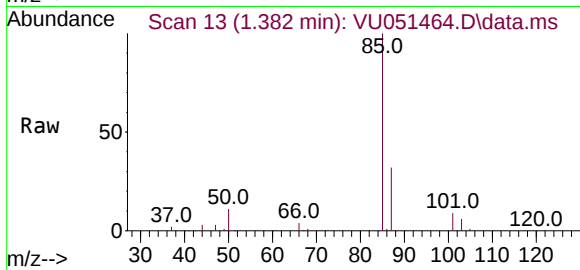




#2
Dichlorodifluoromethane
Concen: 48.436 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

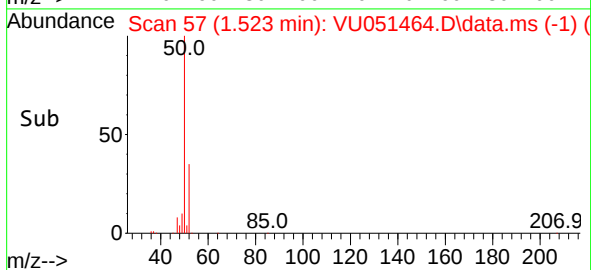
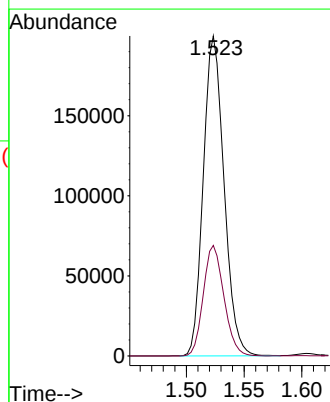
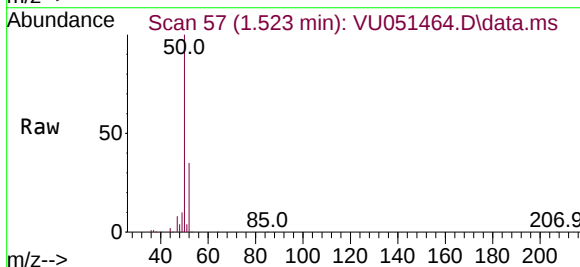
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MSVOA_U
ClientSampleId :

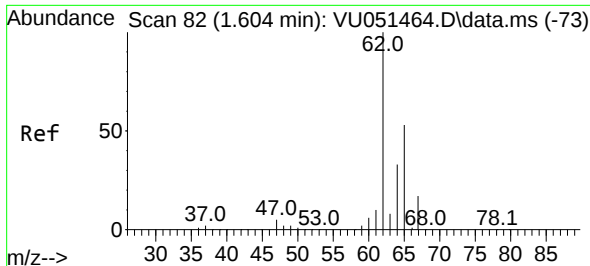
Tgt Ion: 85 Resp: 204189
Ion Ratio Lower Upper
85 100
87 32.1 25.7 38.5



#3
Chloromethane
Concen: 49.718 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

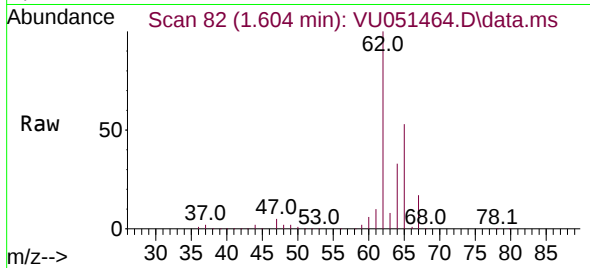
Tgt Ion: 50 Resp: 249505
Ion Ratio Lower Upper
50 100
52 34.5 24.1 44.8



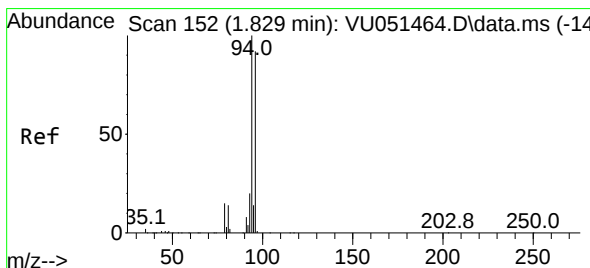
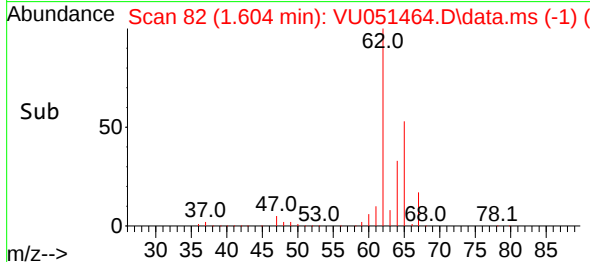
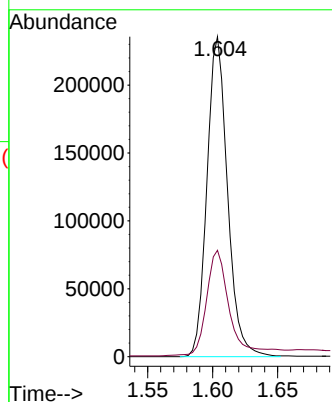


#5
 Vinyl chloride
 Concen: 48.853 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

Instrument :
 MSVOA_U
 ClientSampleId :

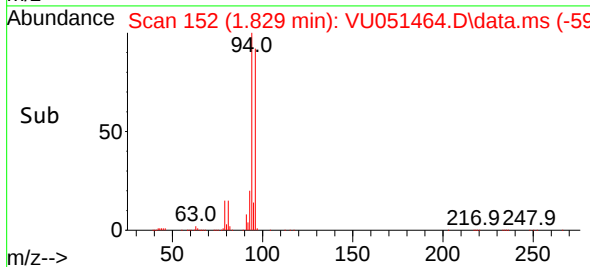
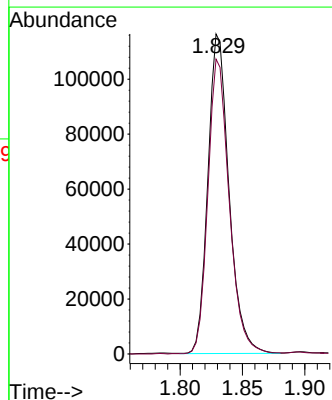
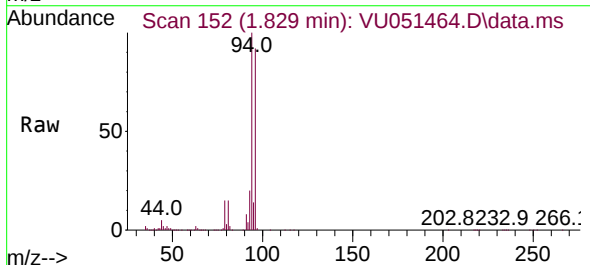


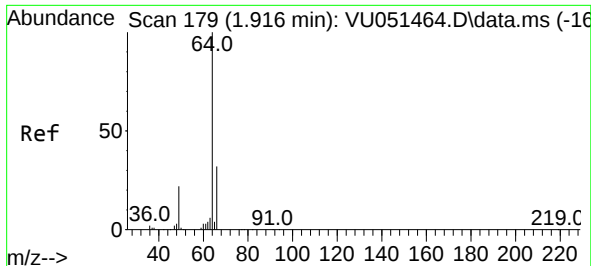
Tgt Ion: 62 Resp: 259233
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.2



#6
 Bromomethane
 Concen: 33.663 ug/L
 RT: 1.829 min Scan# 152
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

Tgt Ion: 94 Resp: 137177
 Ion Ratio Lower Upper
 94 100
 96 92.2 64.5 119.9

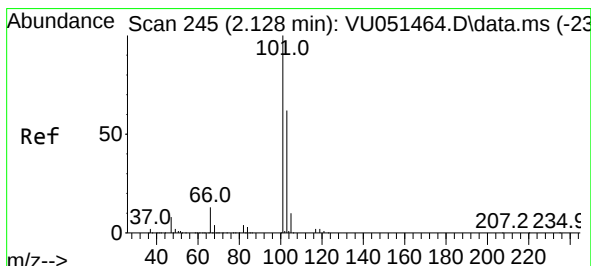
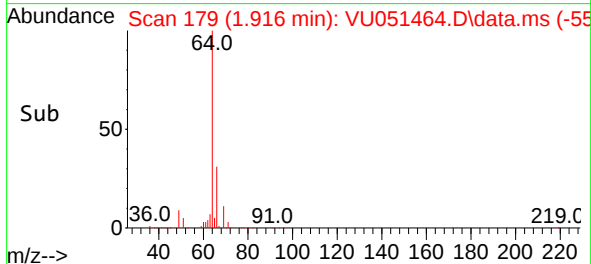
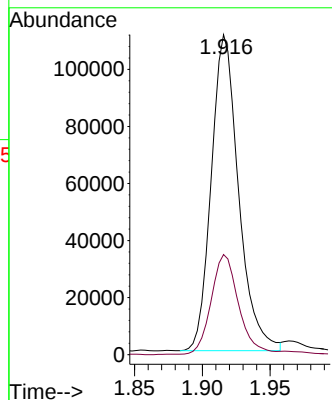
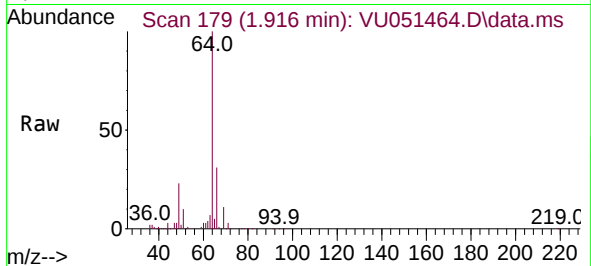




#8
Chloroethane
Concen: 40.580 ug/L
RT: 1.916 min Scan# 179
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

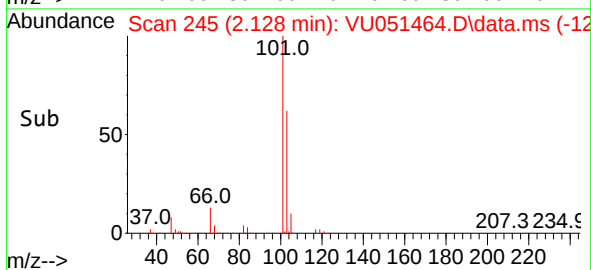
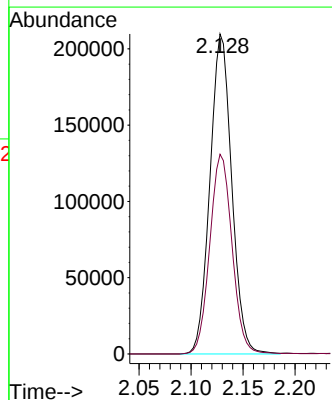
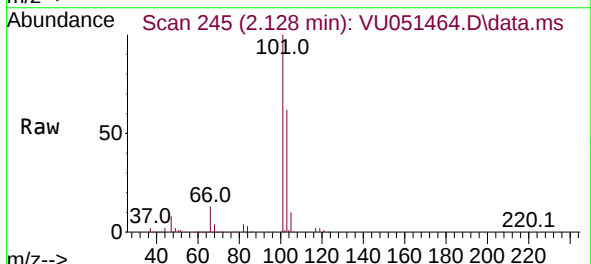
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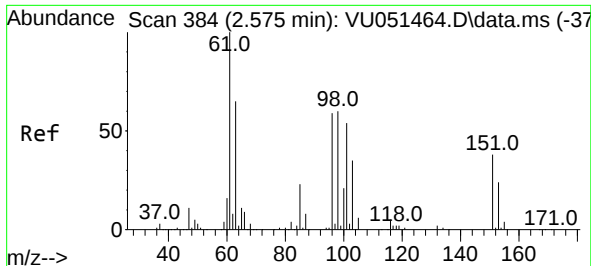
Tgt Ion: 64 Resp: 155508
Ion Ratio Lower Upper
64 100
66 31.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 43.799 ug/L
RT: 2.128 min Scan# 245
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion:101 Resp: 305103
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

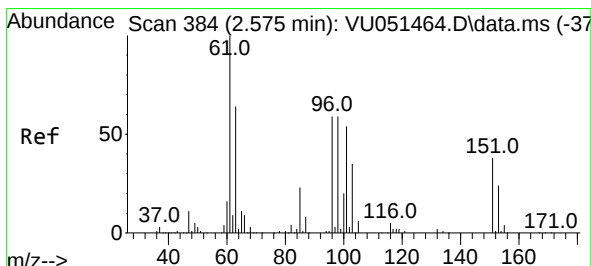
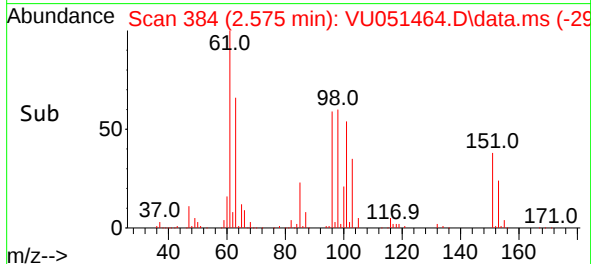
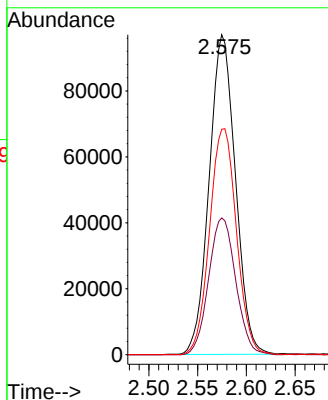
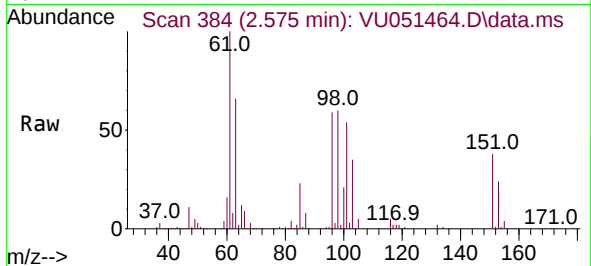




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.620 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

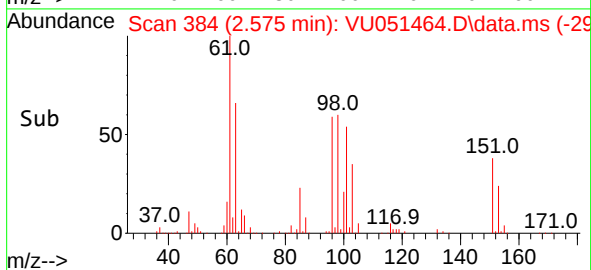
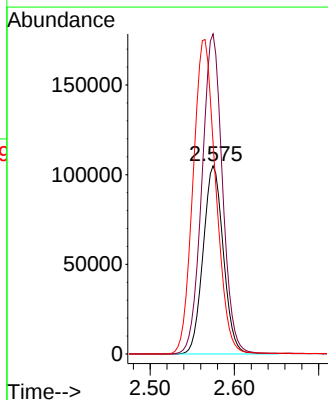
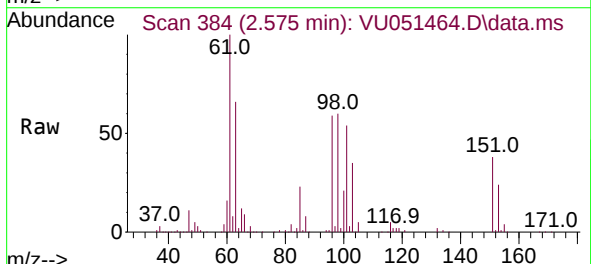
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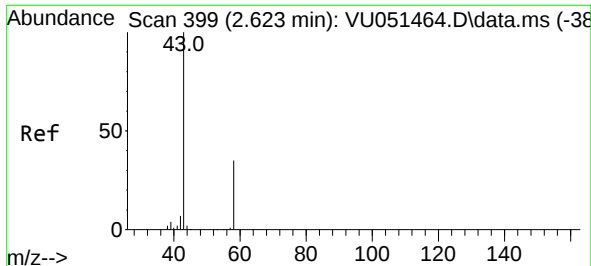
Tgt Ion:101 Resp: 182075
 Ion Ratio Lower Upper
 101 100
 85 44.0 35.2 52.8
 151 72.3 57.8 86.8



#12
 1,1-Dichloroethene
 Concen: 48.736 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

Tgt Ion: 96 Resp: 175084
 Ion Ratio Lower Upper
 96 100
 61 170.0 119.0 221.0
 63 112.1 78.5 145.7





#13

Acetone

Concen: 104.468 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

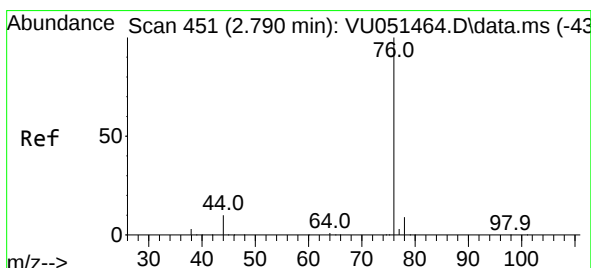
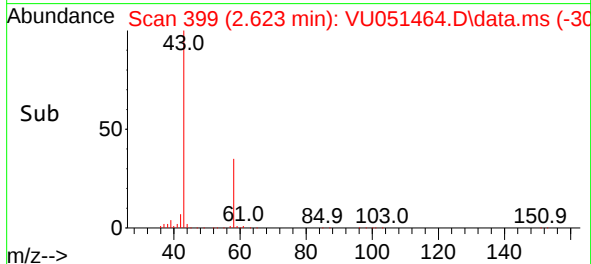
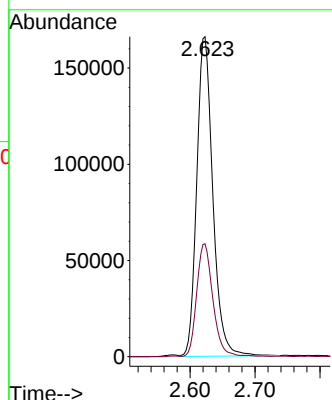
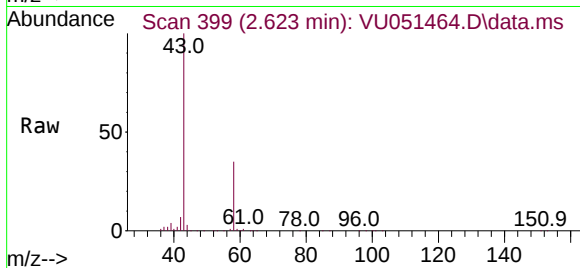
ClientSampleId :

Tgt Ion: 43 Resp: 286334

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.2



#14

Carbon disulfide

Concen: 52.132 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051464.D

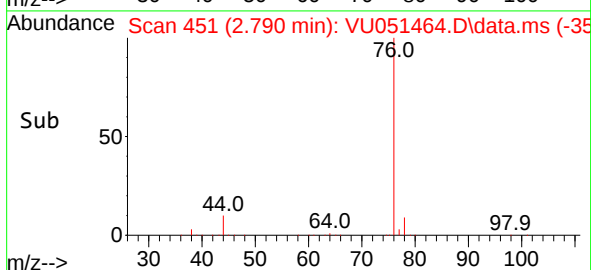
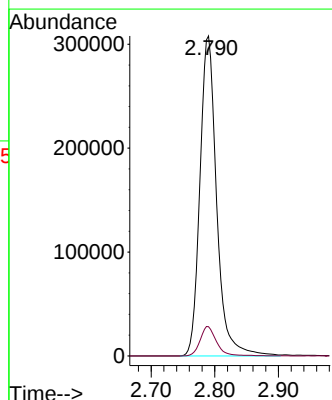
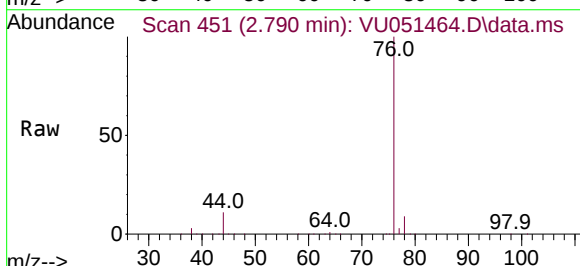
Acq: 20 Oct 2022 10:45

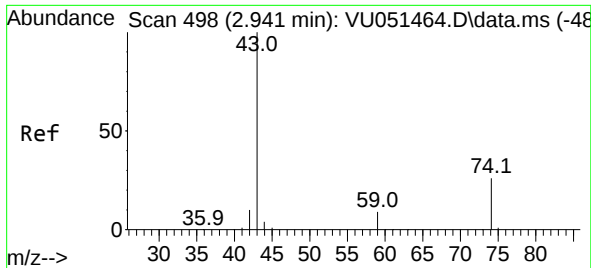
Tgt Ion: 76 Resp: 563417

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

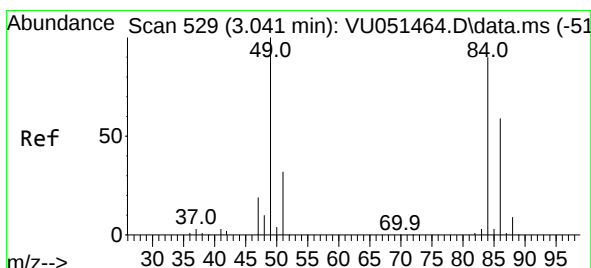
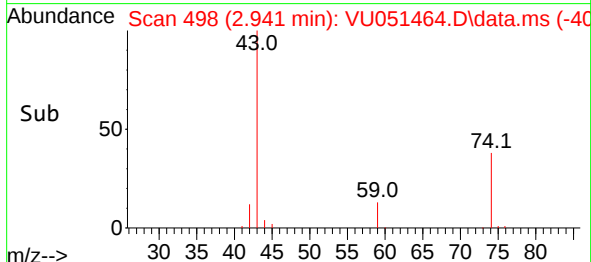
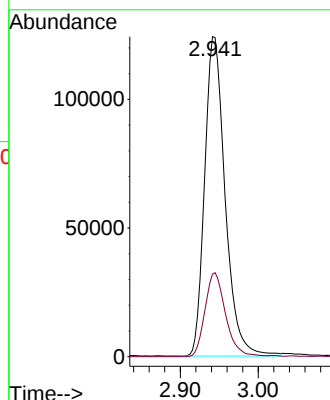
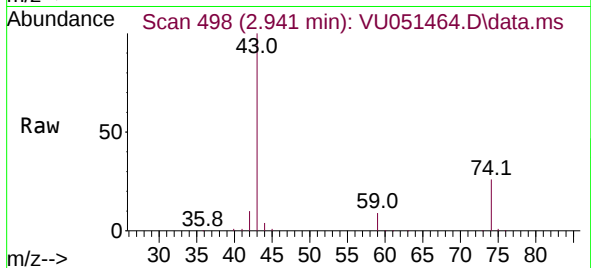




#15
Methyl Acetate
Concen: 47.384 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

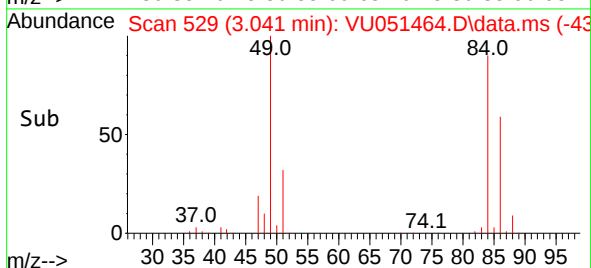
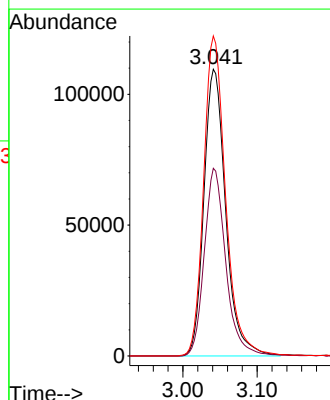
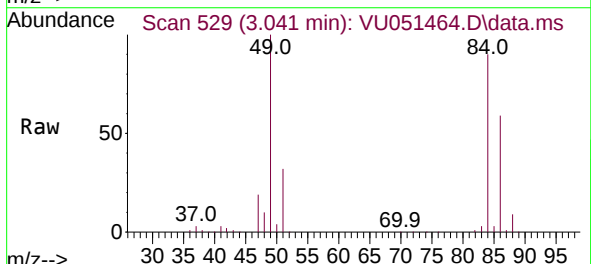
Instrument :
MSVOA_U
ClientSampleId :

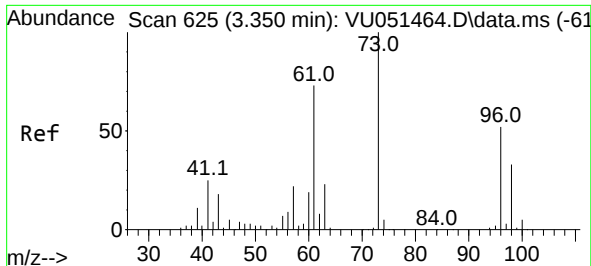
Tgt Ion: 43 Resp: 227100
Ion Ratio Lower Upper
43 100
74 26.4 21.1 31.7



#16
Methylene chloride
Concen: 43.632 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion: 84 Resp: 223475
Ion Ratio Lower Upper
84 100
86 65.5 45.8 85.2
49 111.6 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 47.612 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

ClientSampleId :

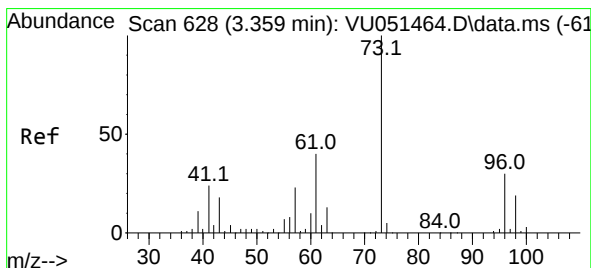
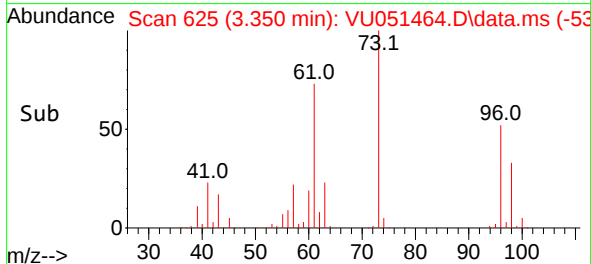
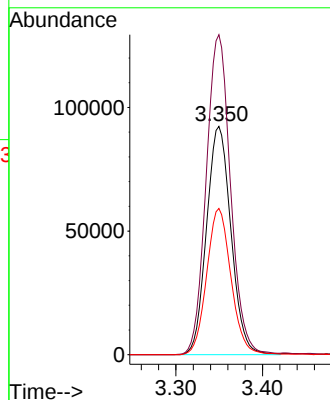
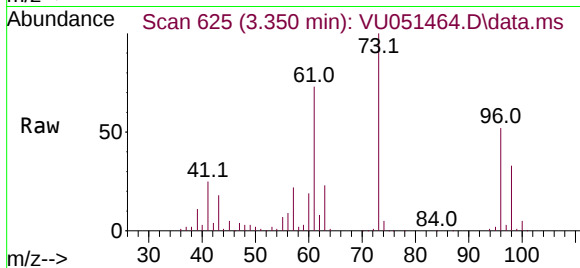
Tgt Ion: 96 Resp: 181290

Ion Ratio Lower Upper

96 100

61 140.1 98.1 182.1

98 64.0 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 45.705 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

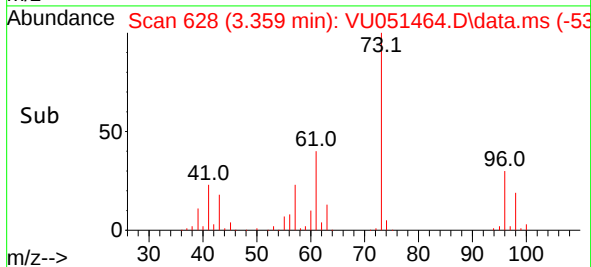
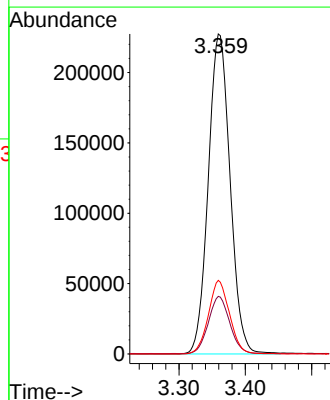
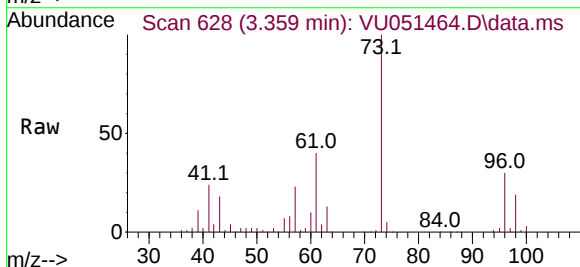
Tgt Ion: 73 Resp: 519950

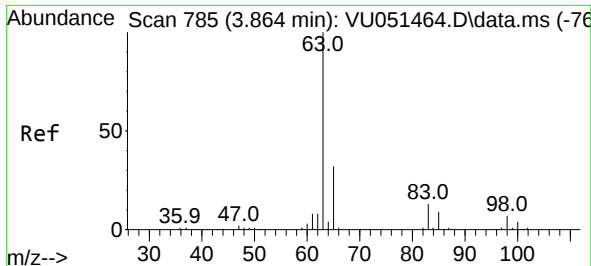
Ion Ratio Lower Upper

73 100

43 17.4 13.9 20.9

57 22.1 17.7 26.5





#19

1,1-Dichloroethane

Concen: 48.912 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

ClientSampleId :

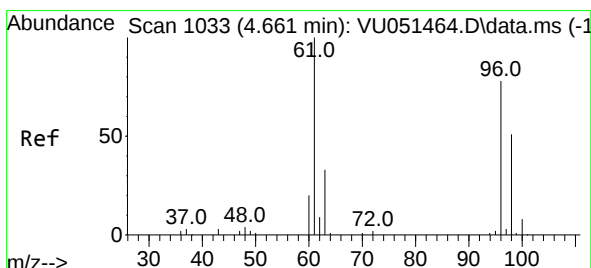
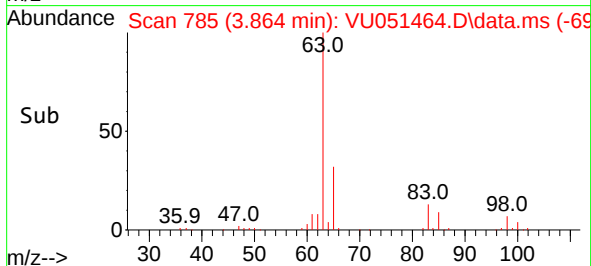
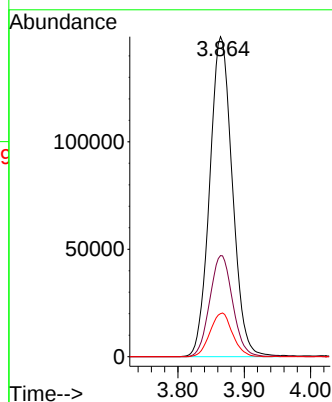
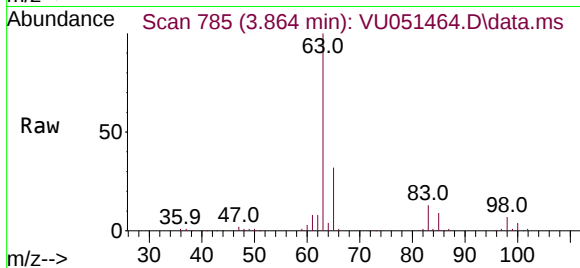
Tgt Ion: 63 Resp: 353348

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 13.4 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 47.067 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

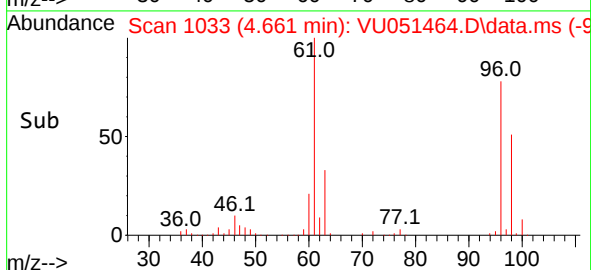
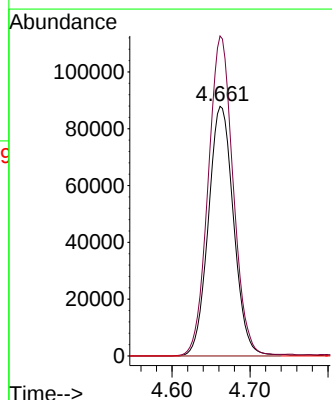
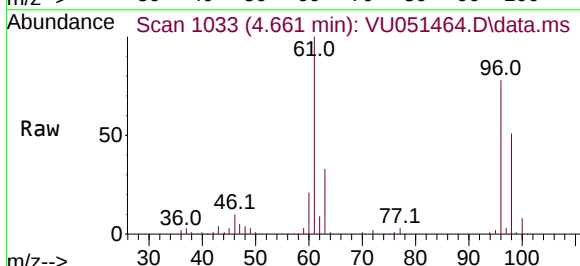
Tgt Ion: 96 Resp: 198183

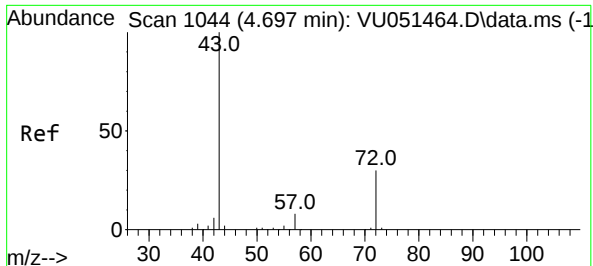
Ion Ratio Lower Upper

96 100

61 128.2 89.7 166.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.166 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

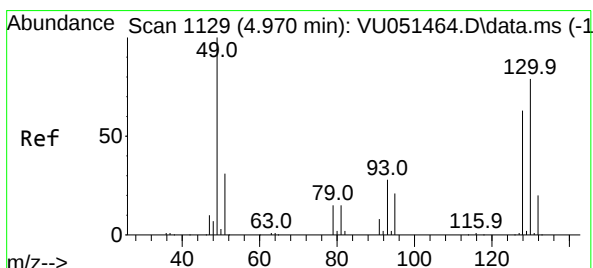
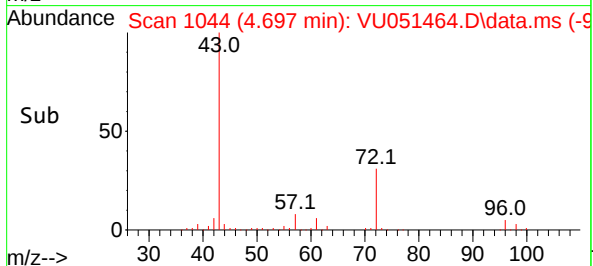
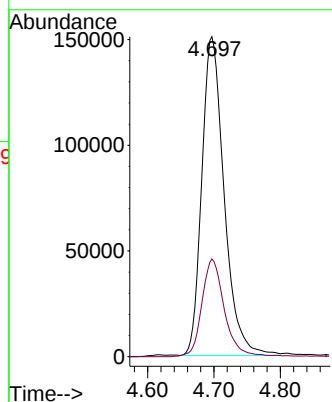
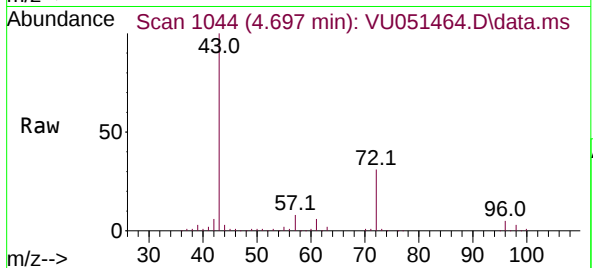
ClientSampleId :

Tgt Ion: 43 Resp: 353369

Ion Ratio Lower Upper

43 100

72 30.4 15.2 45.6



#23

Bromochloromethane

Concen: 46.784 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Tgt Ion:128 Resp: 107916

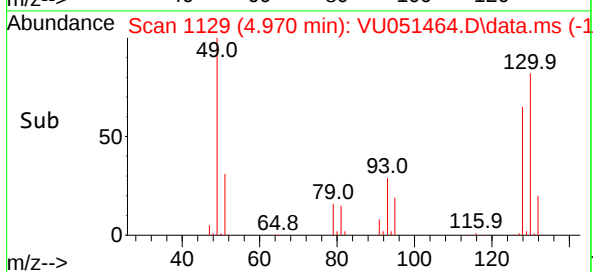
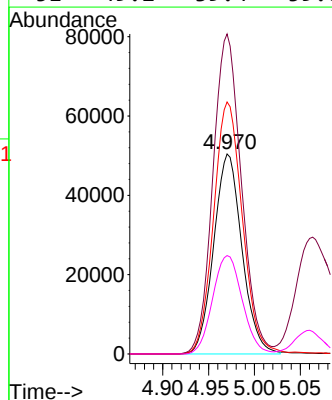
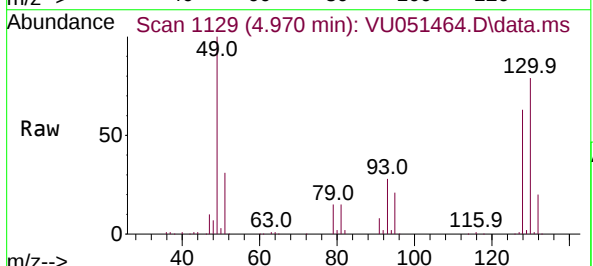
Ion Ratio Lower Upper

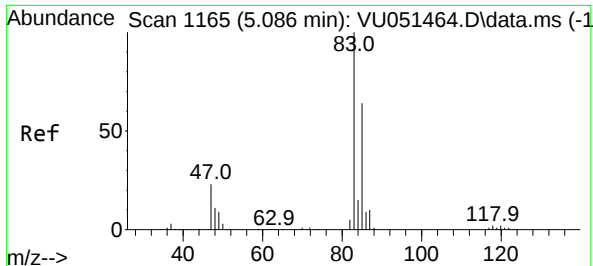
128 100

49 159.9 111.9 207.9

130 126.0 88.2 163.8

51 49.2 39.4 59.0





#25

Chloroform

Concen: 46.918 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

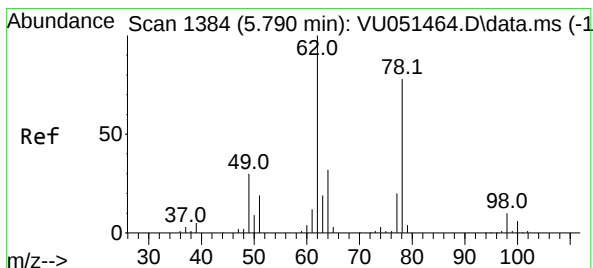
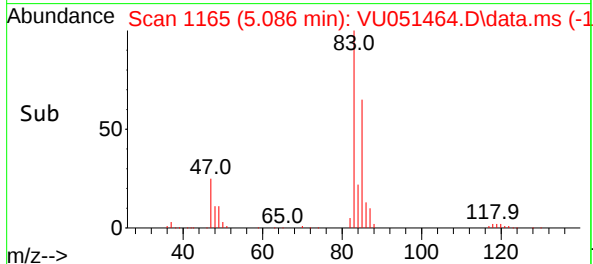
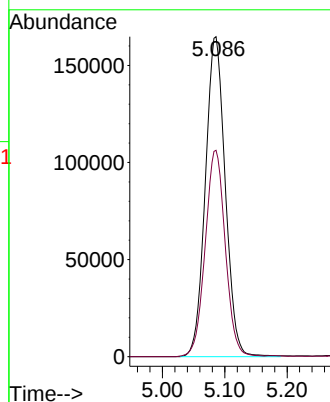
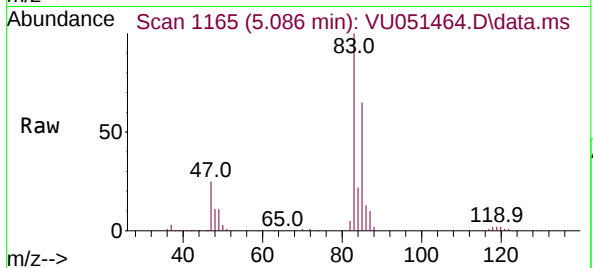
ClientSampleId :

Tgt Ion: 83 Resp: 365393

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9



#27

1,2-Dichloroethane

Concen: 47.552 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU051464.D

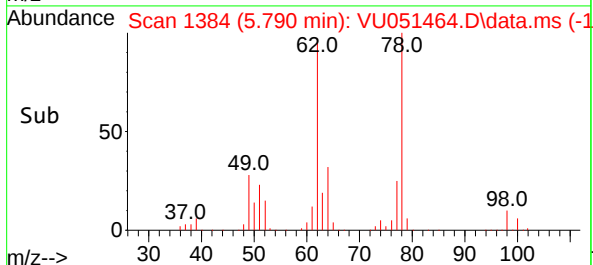
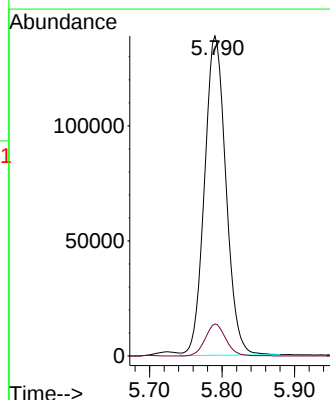
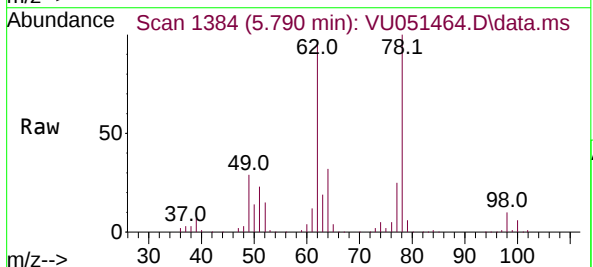
Acq: 20 Oct 2022 10:45

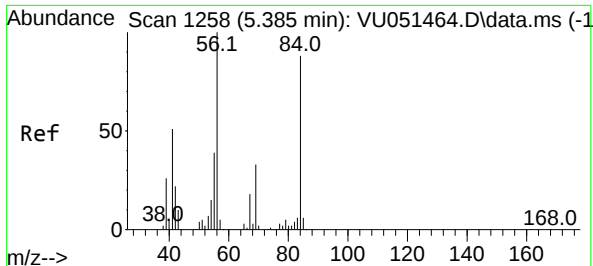
Tgt Ion: 62 Resp: 284760

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0





#29

Cyclohexane

Concen: 54.688 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

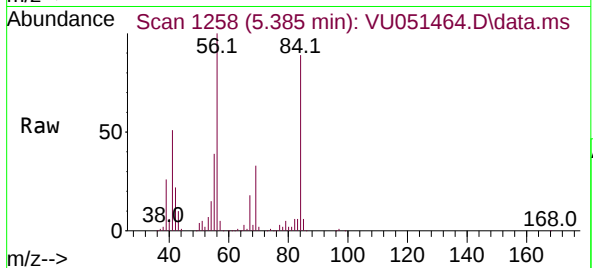
Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

ClientSampleId :



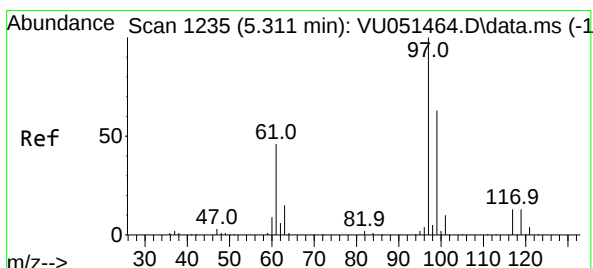
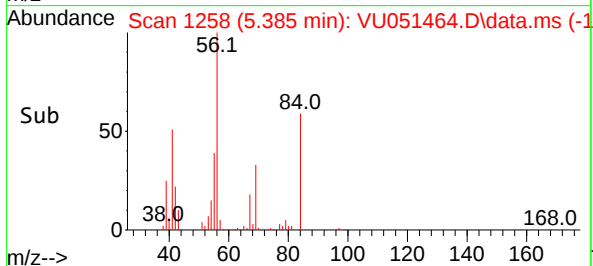
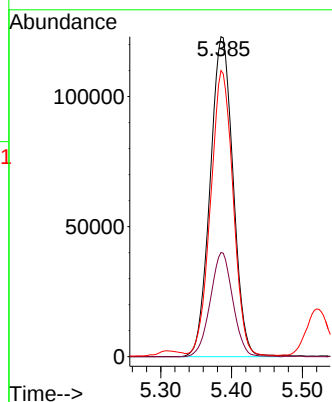
Tgt Ion: 56 Resp: 277223

Ion Ratio Lower Upper

56 100

69 31.9 25.5 38.3

84 87.2 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 48.894 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

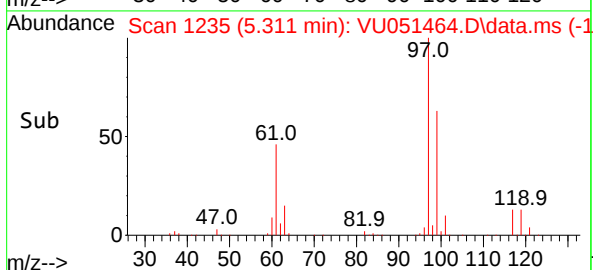
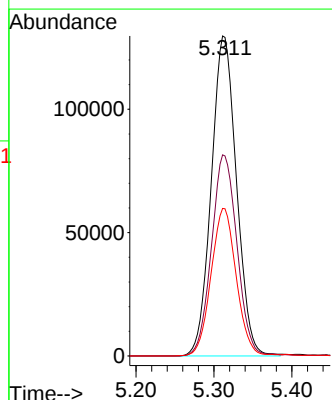
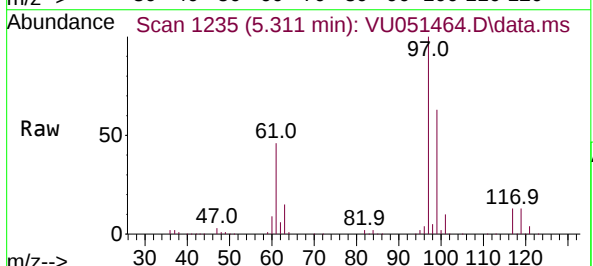
Tgt Ion: 97 Resp: 291894

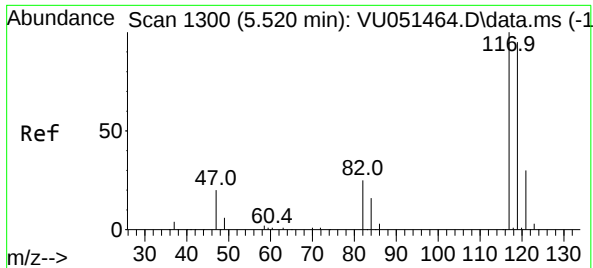
Ion Ratio Lower Upper

97 100

99 63.4 50.7 76.1

61 45.9 36.7 55.1

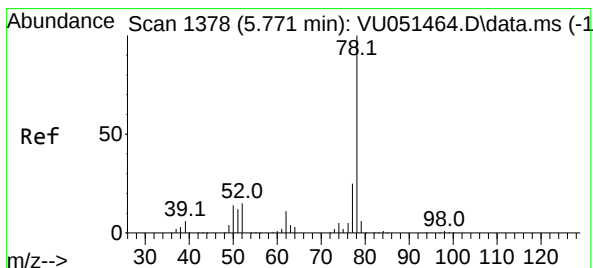
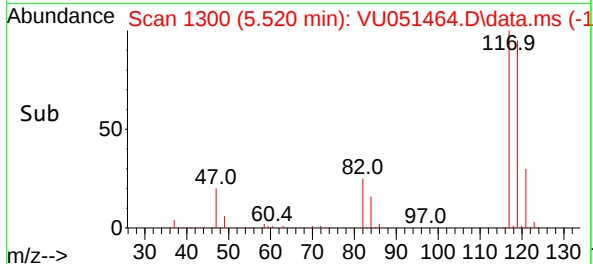
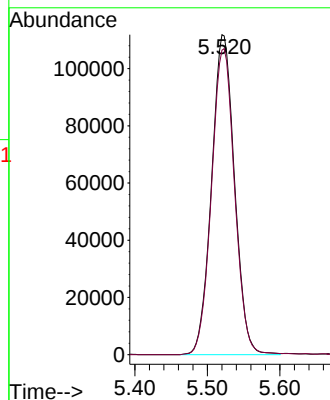
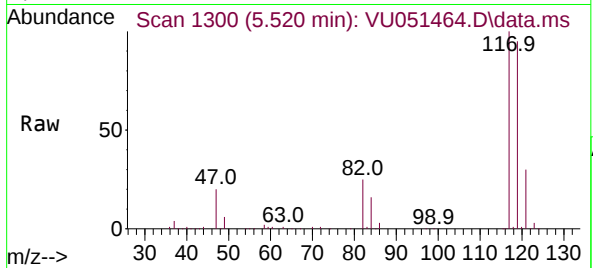




#31
Carbon tetrachloride
Concen: 50.223 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

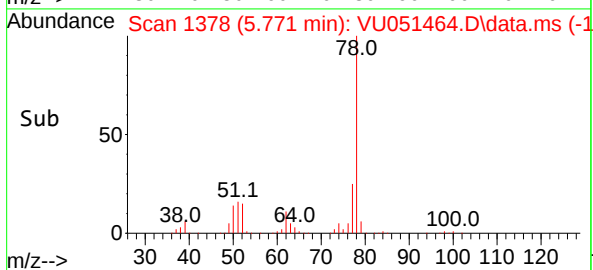
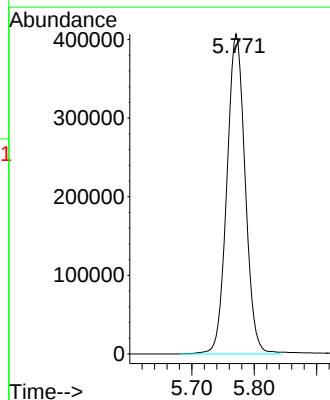
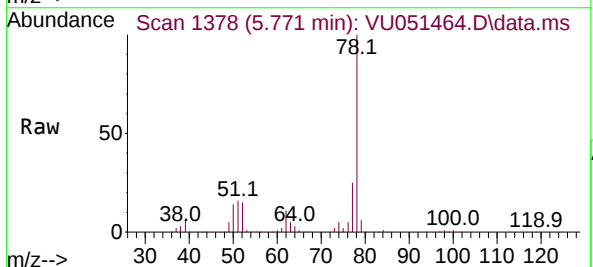
Instrument :
MSVOA_U
ClientSampleId :

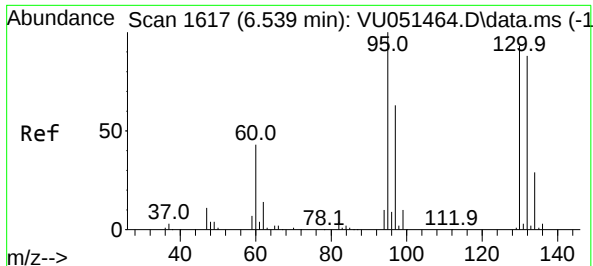
Tgt Ion:117 Resp: 245799
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6



#33
Benzene
Concen: 52.904 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion: 78 Resp: 829342





#34

Trichloroethene

Concen: 47.813 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 191178

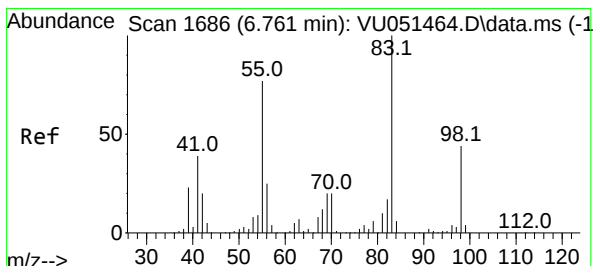
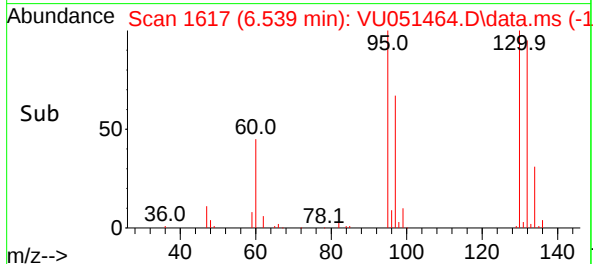
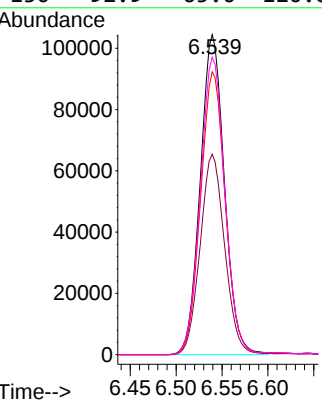
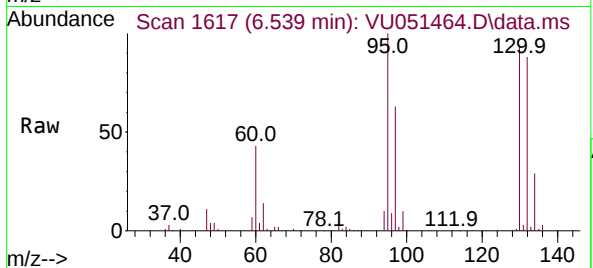
Ion Ratio Lower Upper

95 100

97 62.6 43.8 81.4

132 88.4 61.9 114.9

130 92.9 65.0 120.8



#35

Methylcyclohexane

Concen: 53.033 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

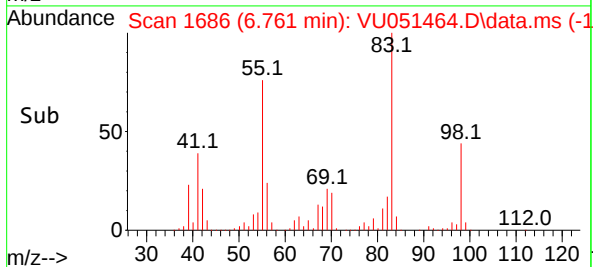
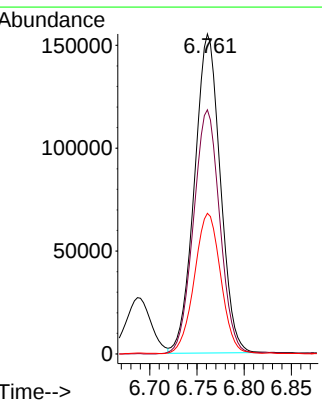
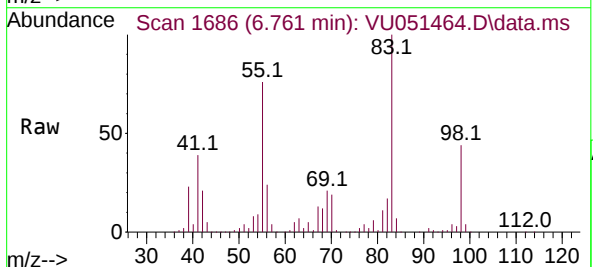
Tgt Ion: 83 Resp: 294338

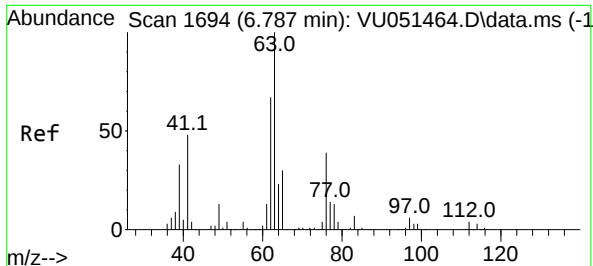
Ion Ratio Lower Upper

83 100

55 78.2 62.6 93.8

98 45.3 36.2 54.4

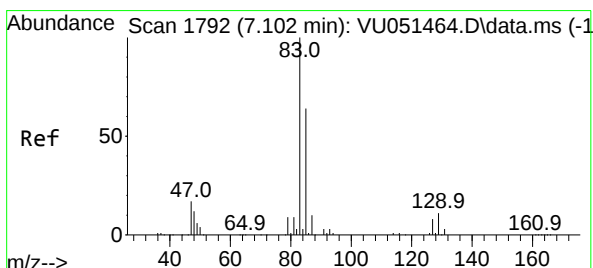
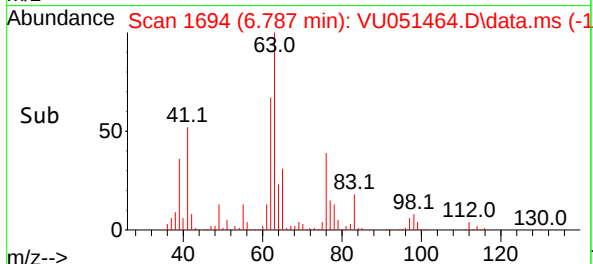
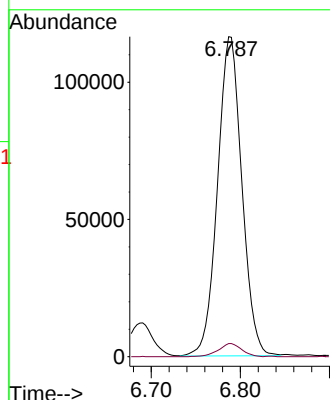
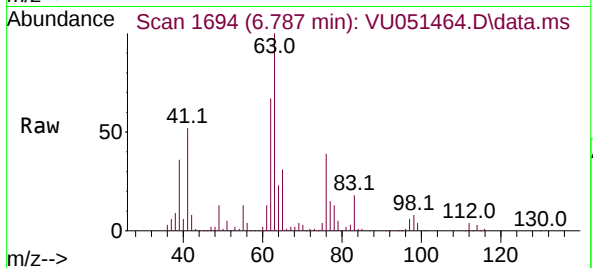




#37
1,2-Dichloropropane
Concen: 52.283 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

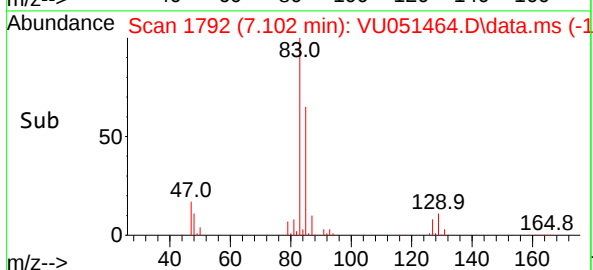
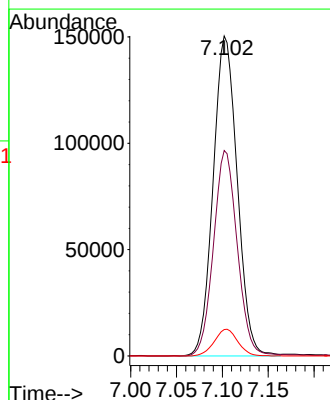
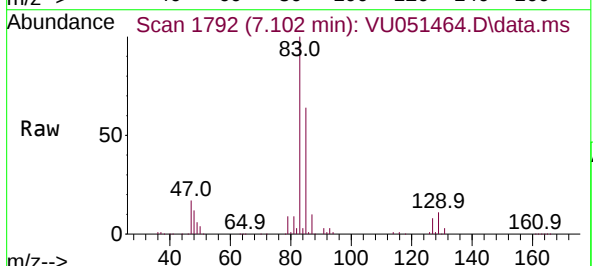
Instrument :
MSVOA_U
ClientSampleId :

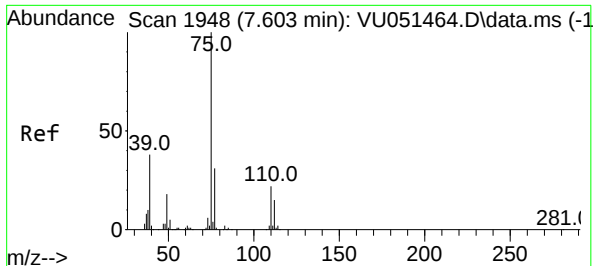
Tgt Ion: 63 Resp: 220941
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#38
Bromodichloromethane
Concen: 49.172 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion: 83 Resp: 274874
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 49.788 ug/L

RT: 7.603 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

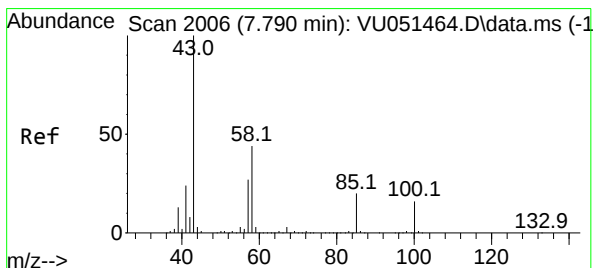
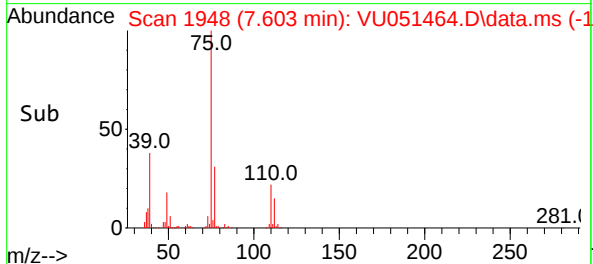
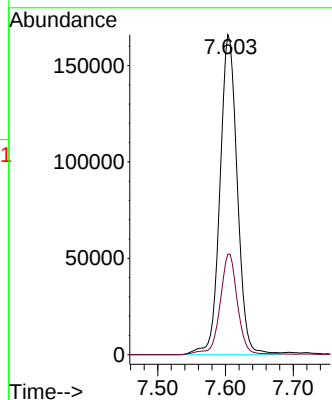
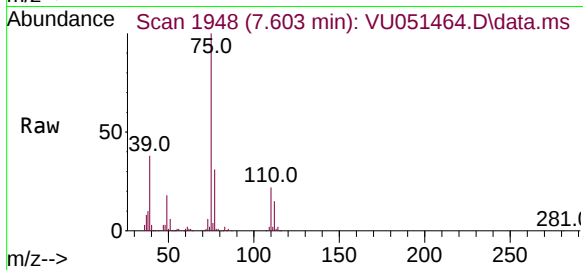
ClientSampleId :

Tgt Ion: 75 Resp: 295006

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 102.503 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

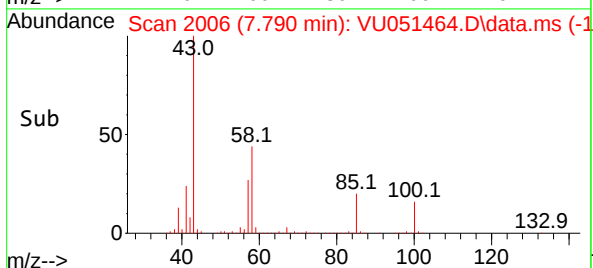
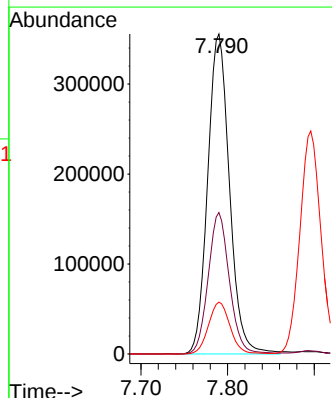
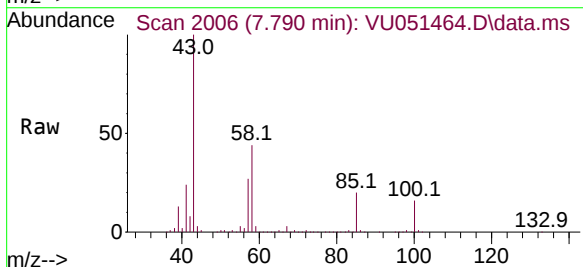
Tgt Ion: 43 Resp: 621153

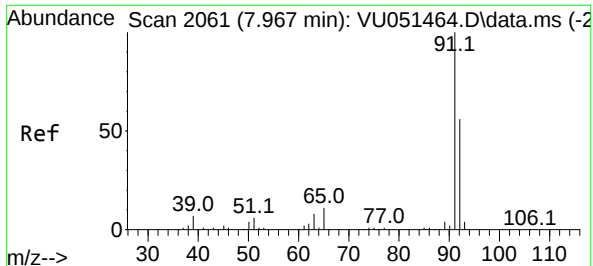
Ion Ratio Lower Upper

43 100

58 43.0 34.4 51.6

100 16.1 12.9 19.3





#42

Toluene

Concen: 53.274 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

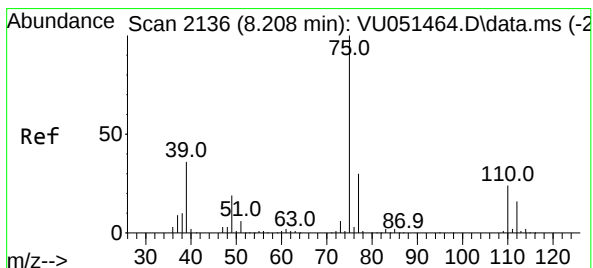
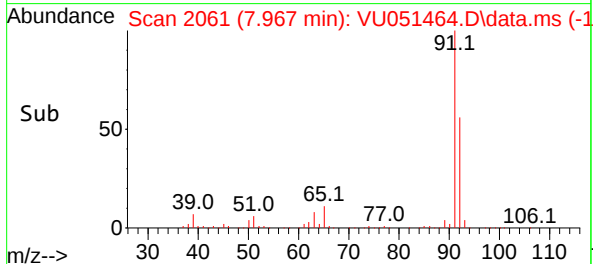
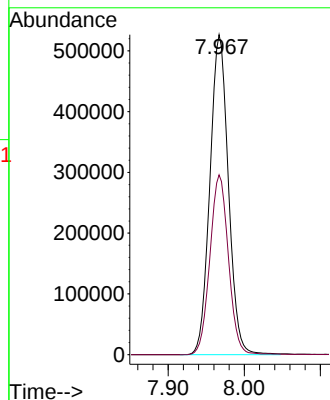
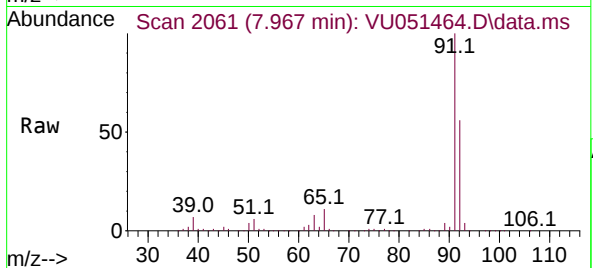
ClientSampleId :

Tgt Ion: 91 Resp: 888558

Ion Ratio Lower Upper

91 100

92 56.2 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 48.658 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU051464.D

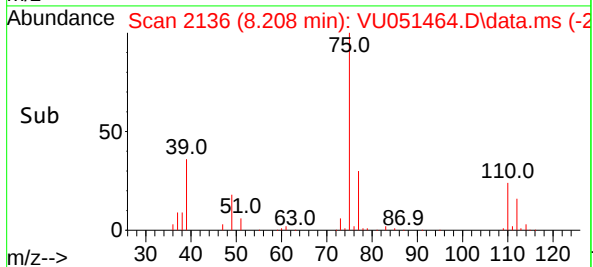
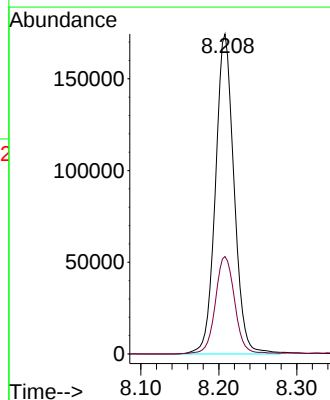
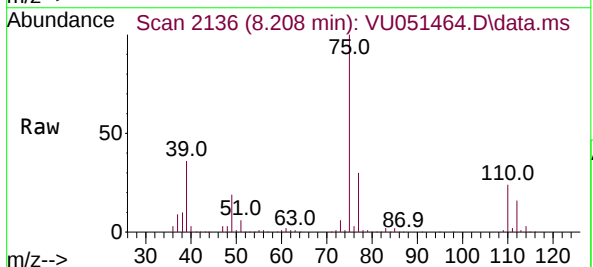
Acq: 20 Oct 2022 10:45

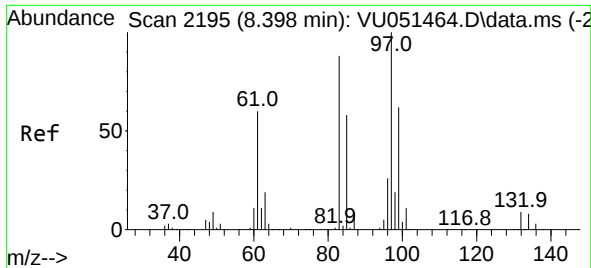
Tgt Ion: 75 Resp: 289585

Ion Ratio Lower Upper

75 100

77 30.4 21.3 39.5

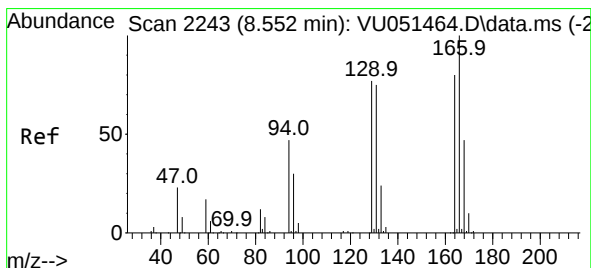
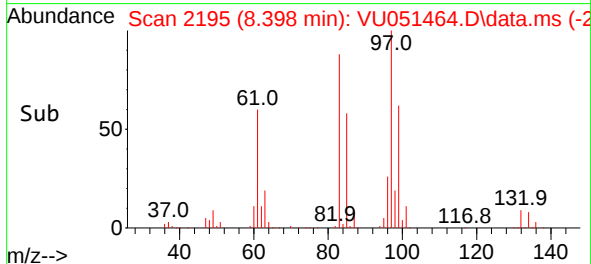
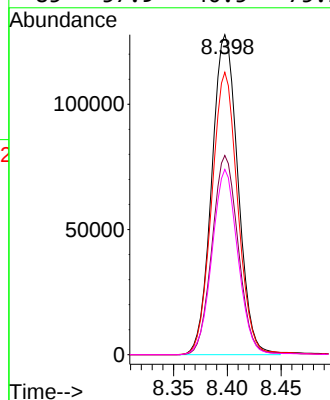
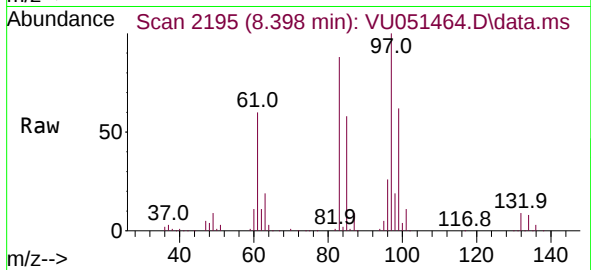




#45
1,1,2-Trichloroethane
Concen: 48.098 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

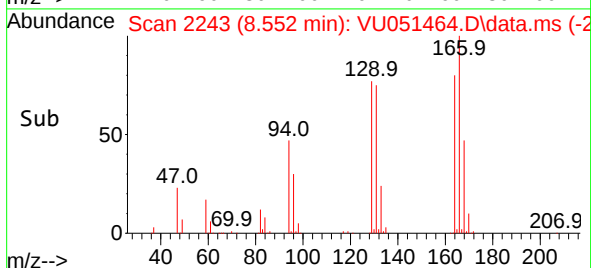
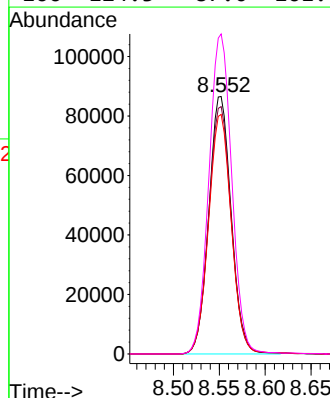
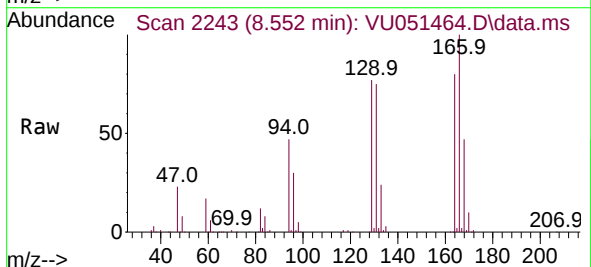
Instrument :
MSVOA_U
ClientSampleId :

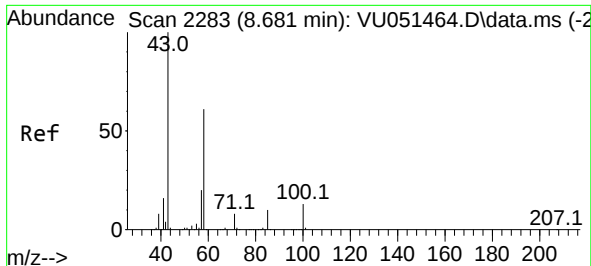
Tgt Ion:	97	Resp:	217096
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.6	81.0
83	88.3	61.8	114.8
85	57.9	40.5	75.3



#46
Tetrachloroethene
Concen: 48.354 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion:	164	Resp:	147538
Ion	Ratio	Lower	Upper
164	100		
129	96.1	67.3	124.9
131	93.1	65.2	121.0
166	124.3	87.0	161.6

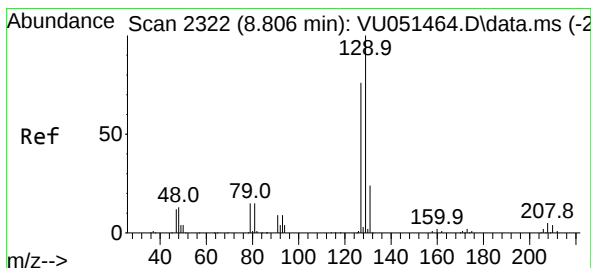
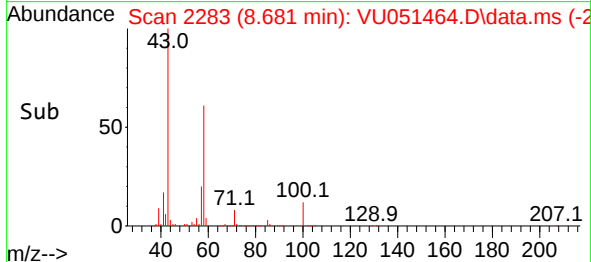
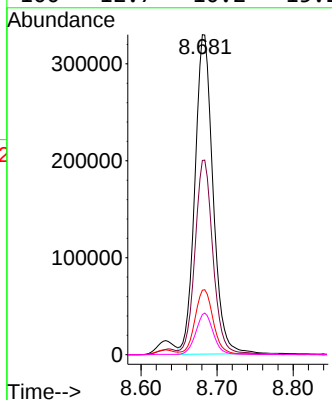
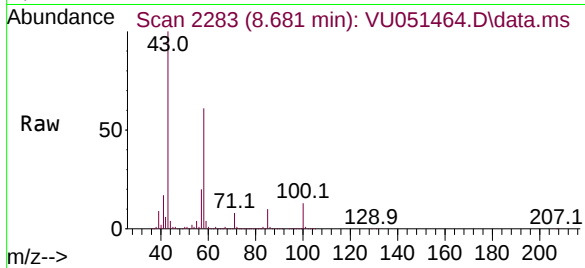




#48
2-Hexanone
Concen: 99.932 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

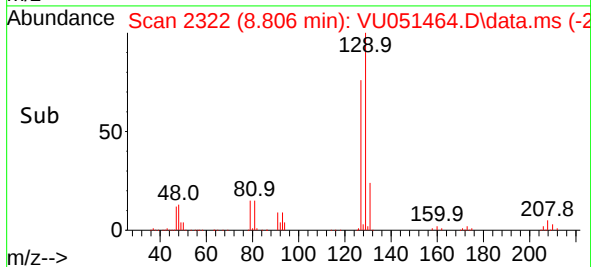
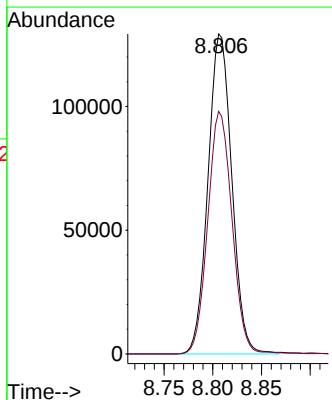
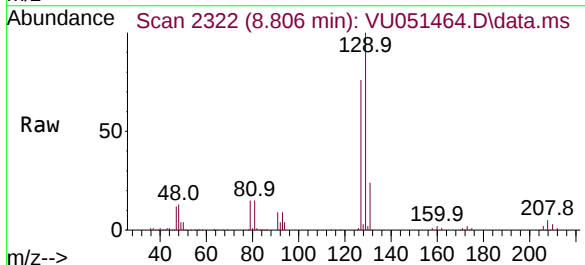
Instrument :
MSVOA_U
ClientSampleId :

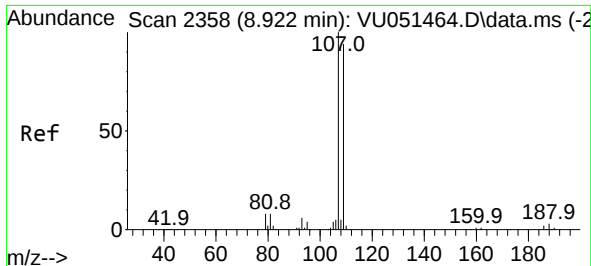
Tgt Ion: 43 Resp: 544904
Ion Ratio Lower Upper
43 100
58 60.3 48.2 72.4
57 20.5 16.4 24.6
100 12.7 10.2 15.2



#49
Dibromochloromethane
Concen: 46.621 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion: 129 Resp: 220094
Ion Ratio Lower Upper
129 100
127 75.8 53.1 98.5





#50

1,2-Dibromoethane

Concen: 45.607 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

ClientSampleId :

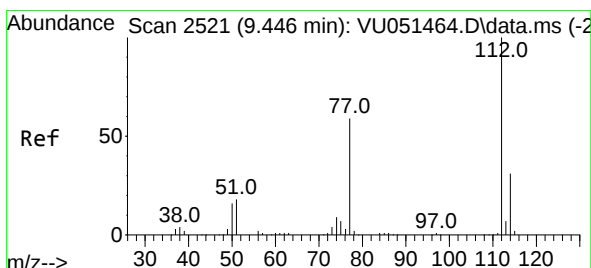
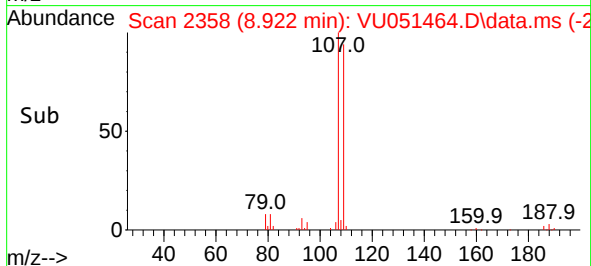
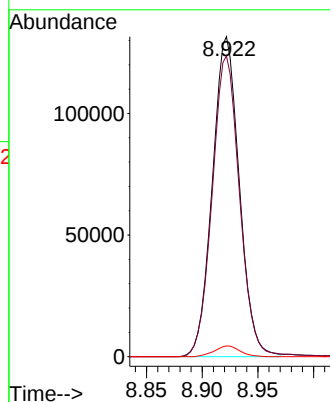
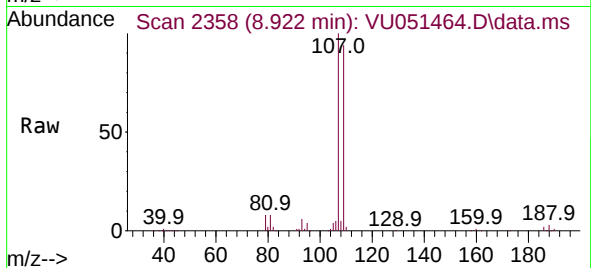
Tgt Ion:107 Resp: 221275

Ion Ratio Lower Upper

107 100

109 94.0 65.8 122.2

188 3.4 2.7 4.1



#51

Chlorobenzene

Concen: 48.002 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

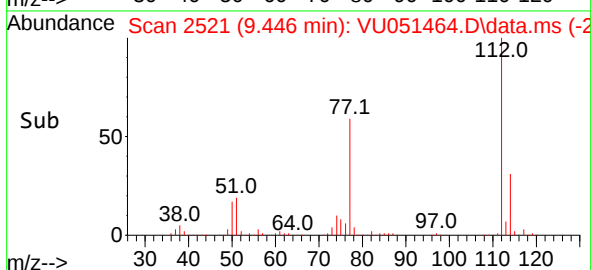
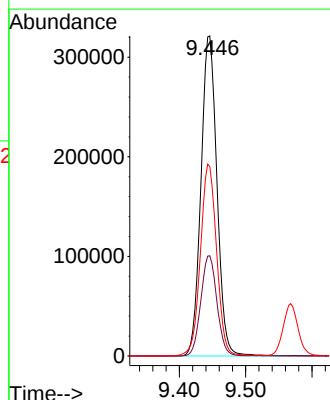
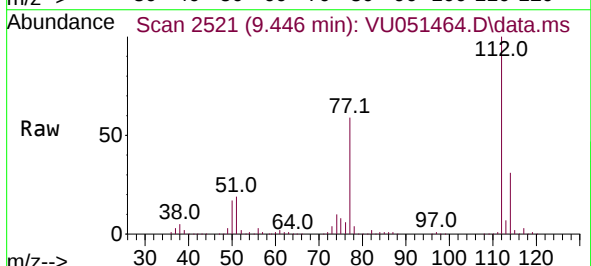
Tgt Ion:112 Resp: 538284

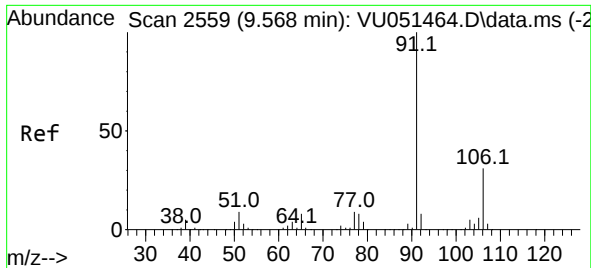
Ion Ratio Lower Upper

112 100

114 31.3 21.9 40.7

77 59.1 47.3 70.9

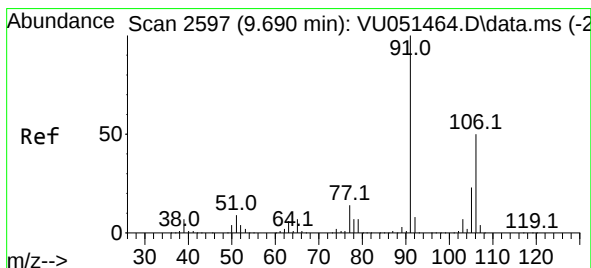
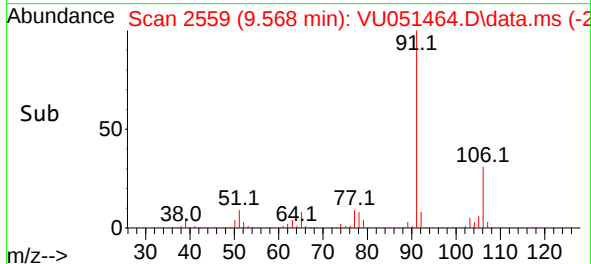
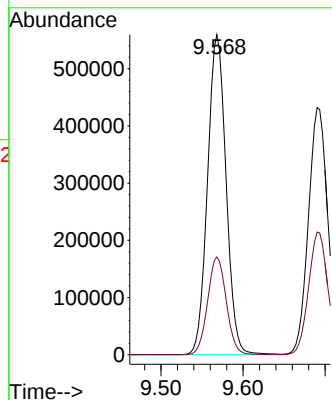
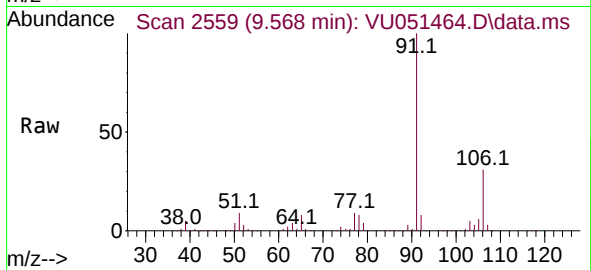




#52
Ethylbenzene
Concen: 50.367 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

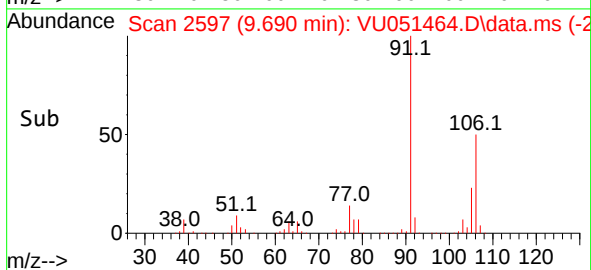
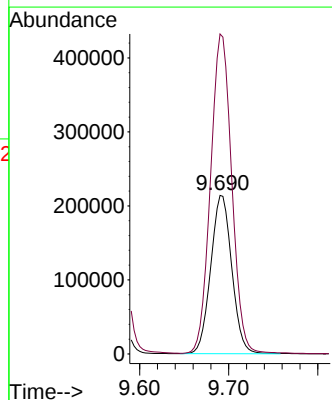
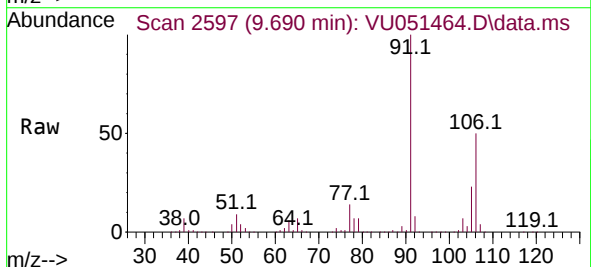
Instrument :
MSVOA_U
ClientSampleId :

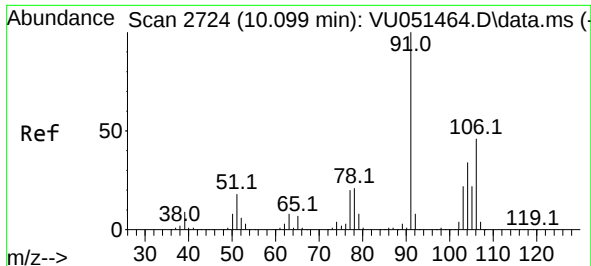
Tgt Ion: 91 Resp: 879054
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 52.809 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion: 106 Resp: 351170
Ion Ratio Lower Upper
106 100
91 201.8 141.3 262.3

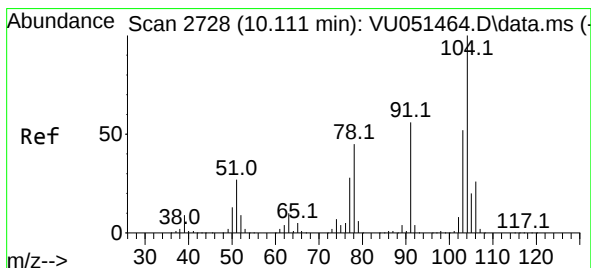
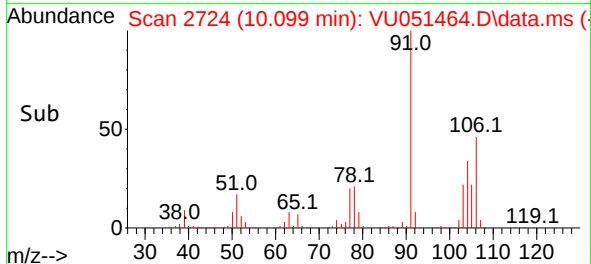
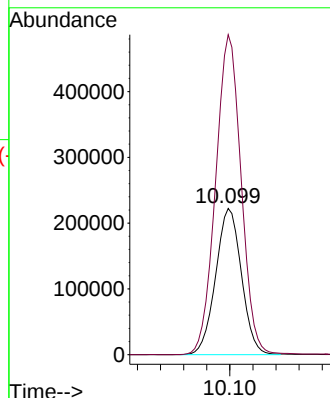
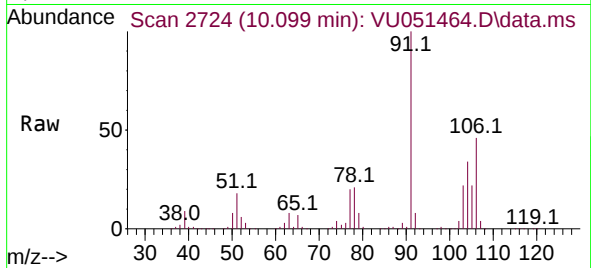




#54
o-Xylene
Concen: 51.960 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

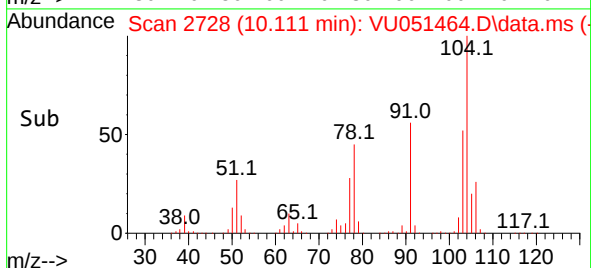
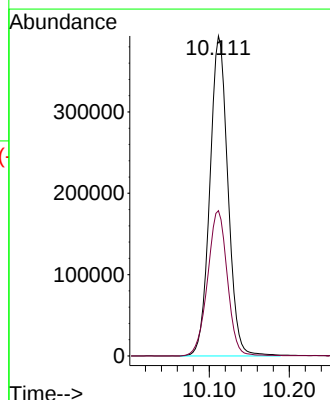
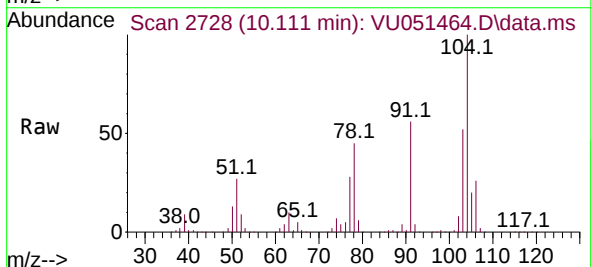
Instrument :
MSVOA_U
ClientSampleId :

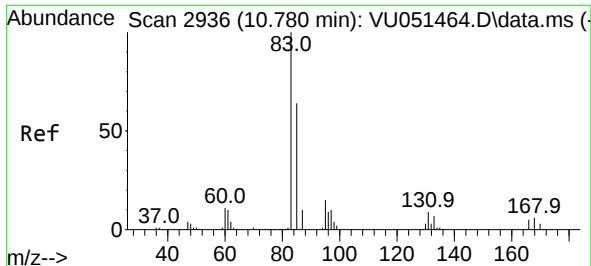
Tgt Ion:106 Resp: 344482
Ion Ratio Lower Upper
106 100
91 218.8 153.2 284.4



#55
Styrene
Concen: 53.914 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion:104 Resp: 618471
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0

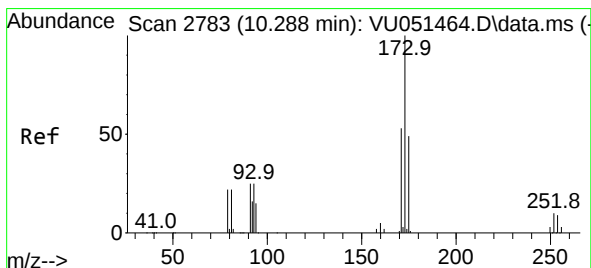
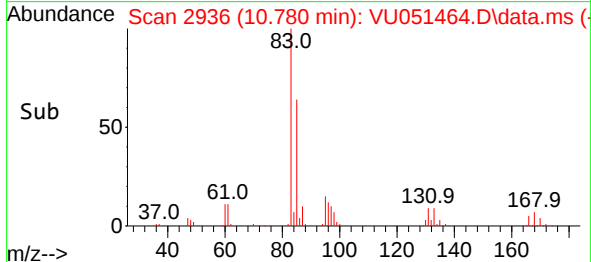
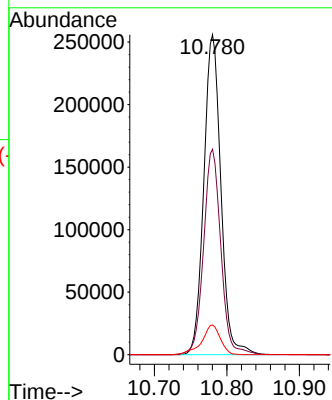
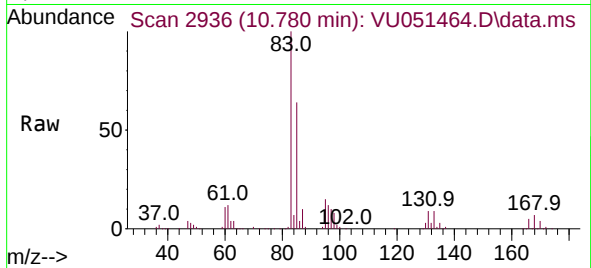




#57
1,1,2,2-Tetrachloroethane
Concen: 51.932 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

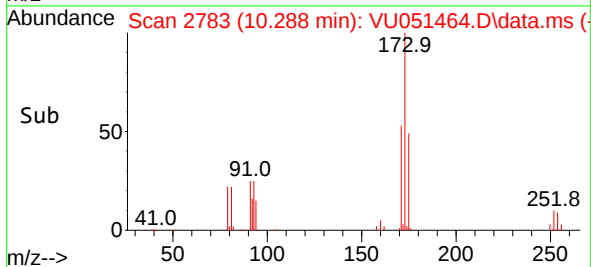
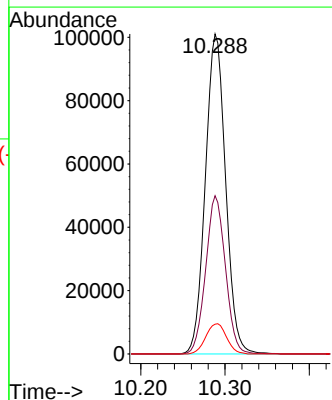
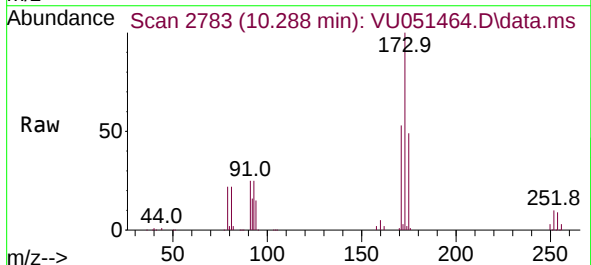
Instrument :
MSVOA_U
ClientSampleId :

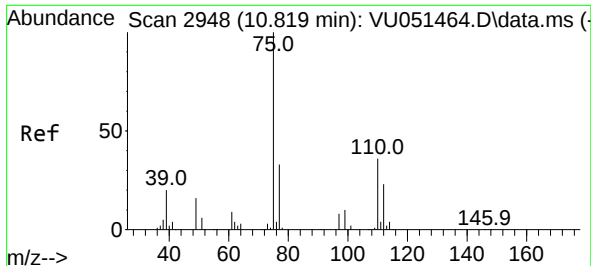
Tgt Ion: 83 Resp: 418323
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5
131 9.3 7.4 11.2



#59
Bromoform
Concen: 43.075 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion:173 Resp: 169181
Ion Ratio Lower Upper
173 100
175 48.0 38.4 57.6
254 9.7 7.8 11.6

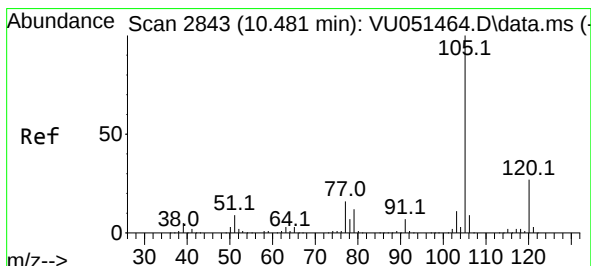
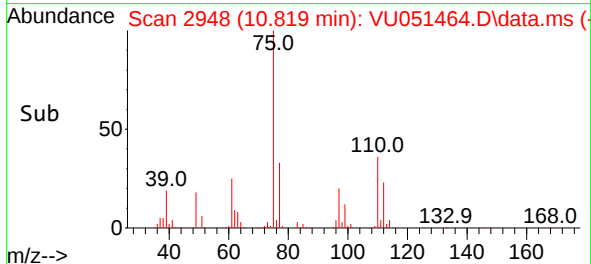
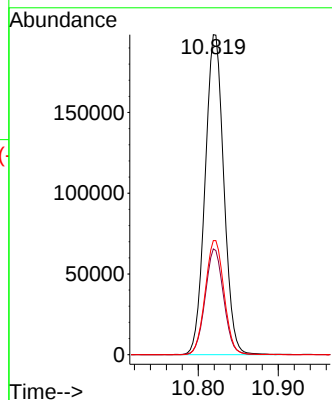
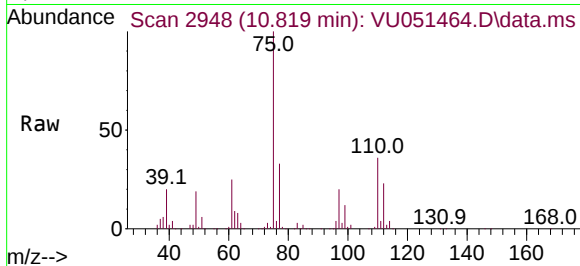




#60
1,2,3-Trichloropropane
Concen: 45.630 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

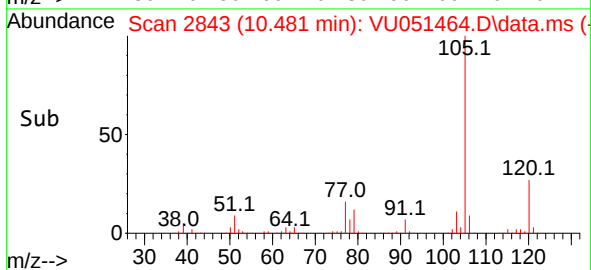
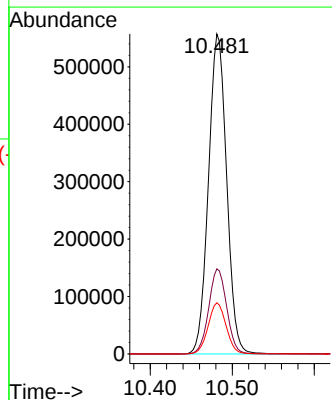
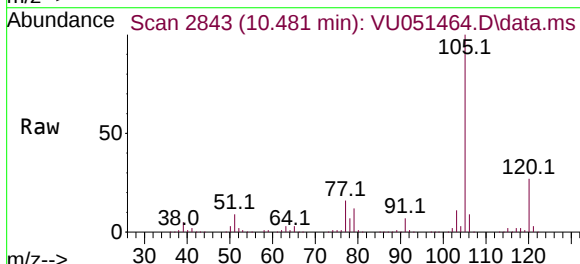
Instrument :
MSVOA_U
ClientSampleId :

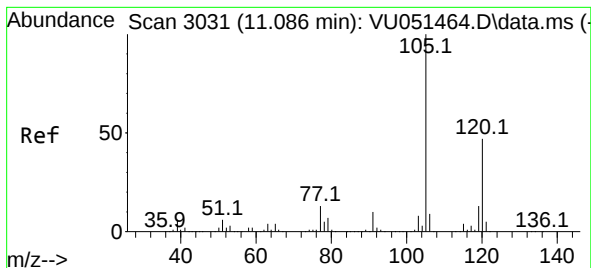
Tgt Ion: 75 Resp: 322444
Ion Ratio Lower Upper
75 100
77 32.6 26.1 39.1
110 35.9 28.7 43.1



#61
Isopropylbenzene
Concen: 49.252 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion: 105 Resp: 858946
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 15.8 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 52.140 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051464.D

Acq: 20 Oct 2022 10:45

Instrument :

MSVOA_U

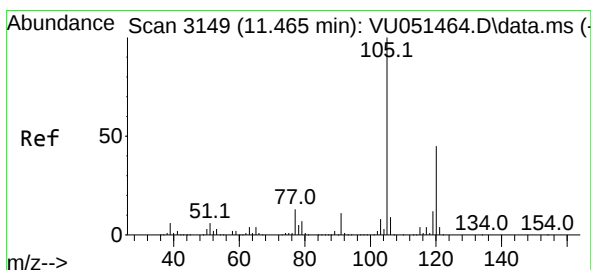
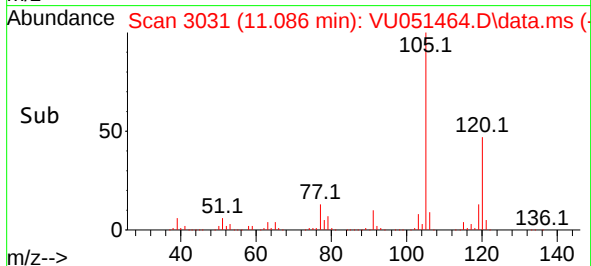
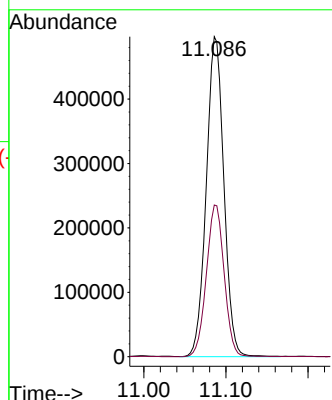
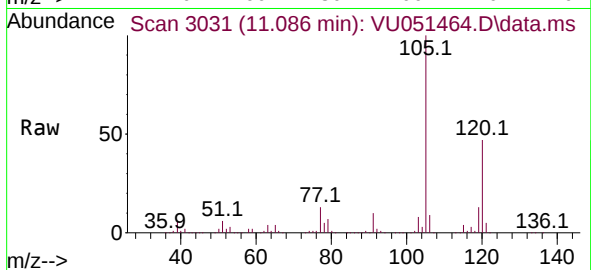
ClientSampleId :

Tgt Ion:105 Resp: 739902

Ion Ratio Lower Upper

105 100

120 47.9 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 51.953 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU051464.D

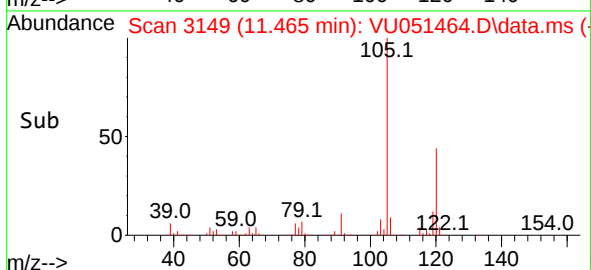
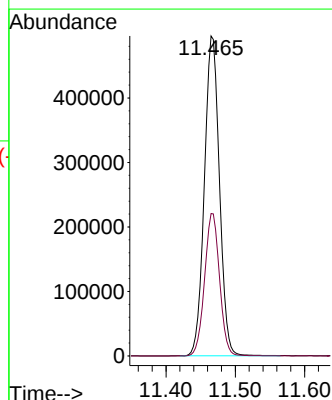
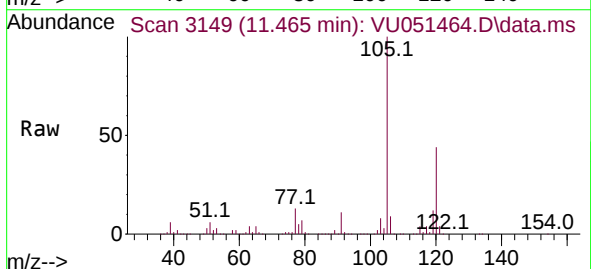
Acq: 20 Oct 2022 10:45

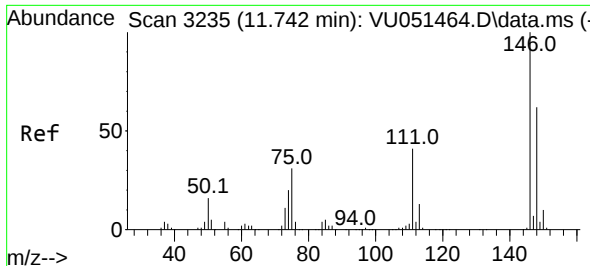
Tgt Ion:105 Resp: 748999

Ion Ratio Lower Upper

105 100

120 44.2 35.4 53.0

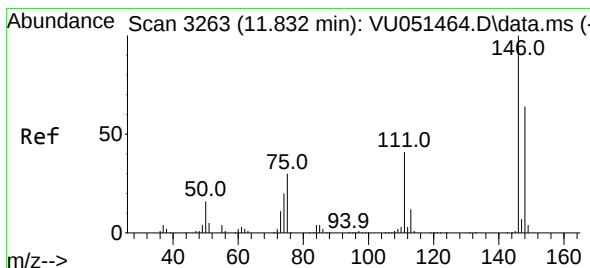
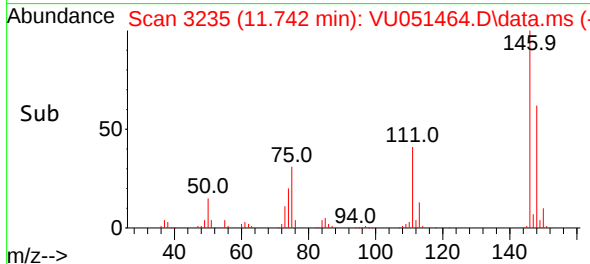
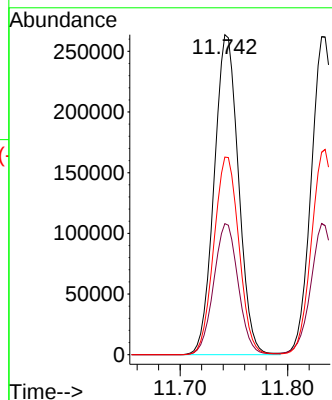
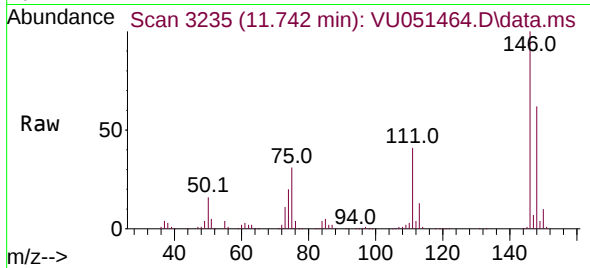




#64
 1,3-Dichlorobenzene
 Concen: 45.898 ug/L
 RT: 11.742 min Scan# 3235
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

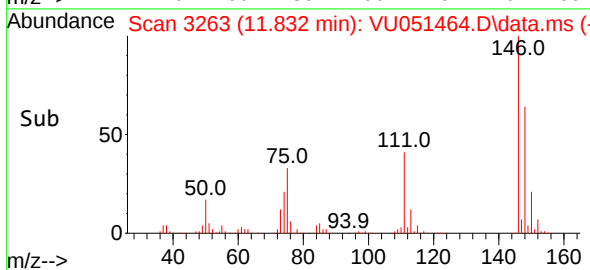
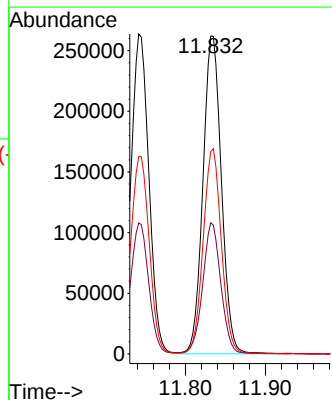
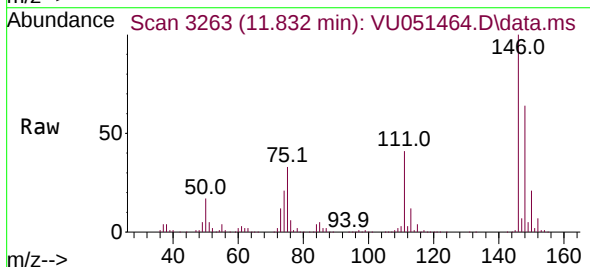
Instrument :
 MSVOA_U
 ClientSampleId :

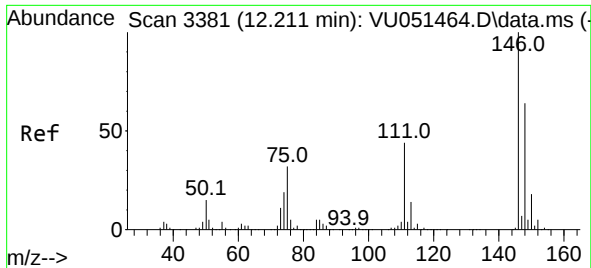
Tgt Ion:146 Resp: 415490
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 61.7 43.2 80.2



#65
 1,4-Dichlorobenzene
 Concen: 46.784 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

Tgt Ion:146 Resp: 421461
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.9 53.7
 148 63.7 44.6 82.8

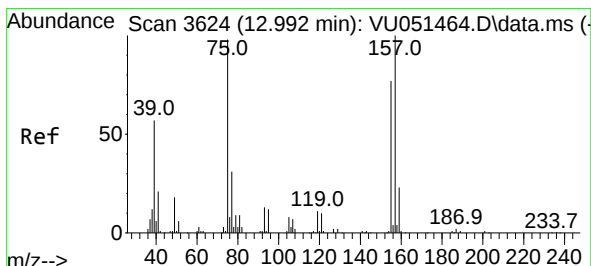
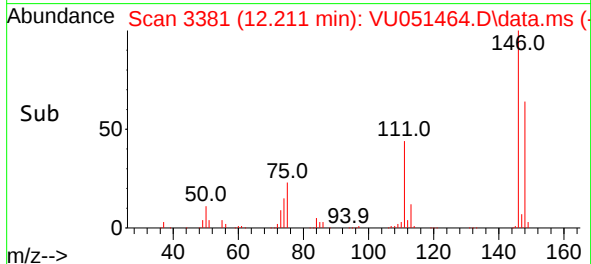
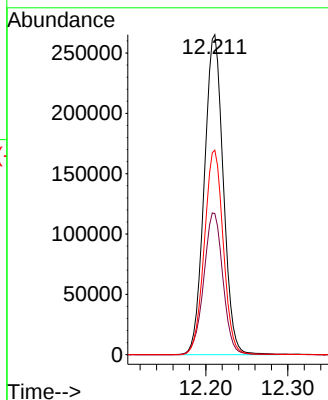
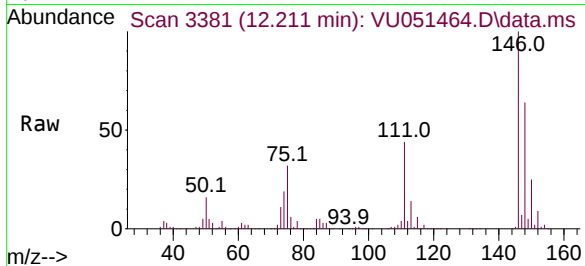




#67
1,2-Dichlorobenzene
Concen: 46.942 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

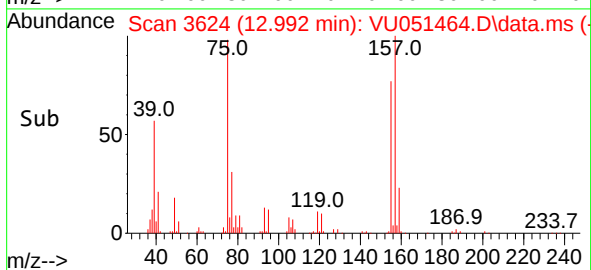
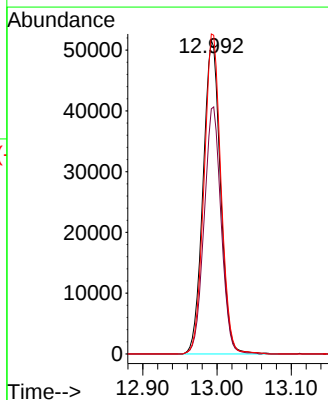
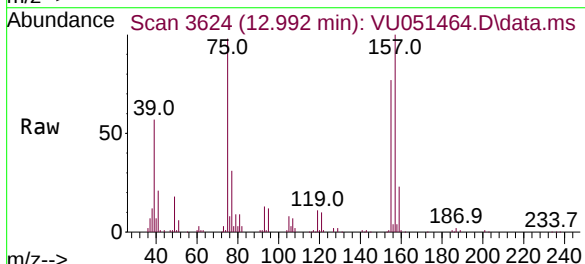
Instrument :
MSVOA_U
ClientSampleId :

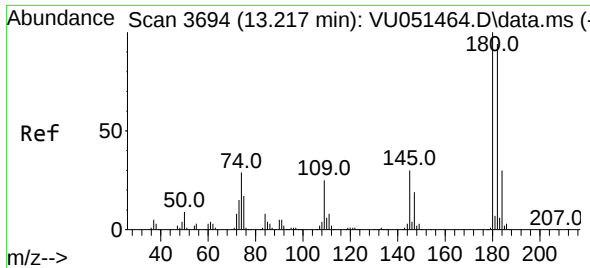
Tgt Ion:146 Resp: 426938
Ion Ratio Lower Upper
146 100
111 44.1 35.3 52.9
148 63.9 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 41.770 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

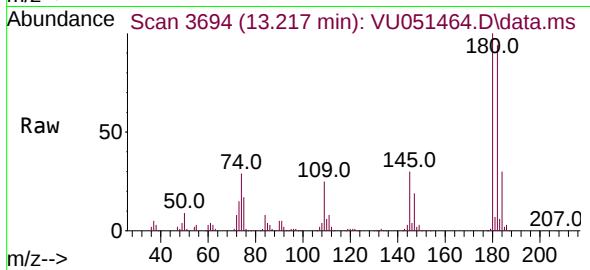
Tgt Ion: 75 Resp: 83857
Ion Ratio Lower Upper
75 100
155 78.1 62.5 93.7
157 102.0 81.6 122.4



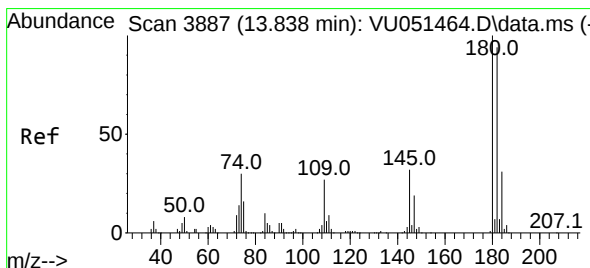
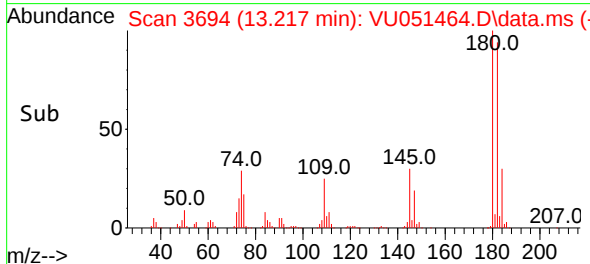
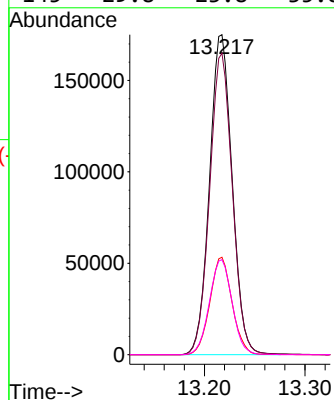


#69
 1,3,5-Trichlorobenzene
 Concen: 45.224 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

Instrument :
 MSVOA_U
 ClientSampleId :

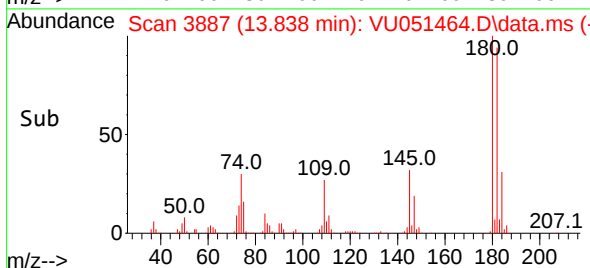
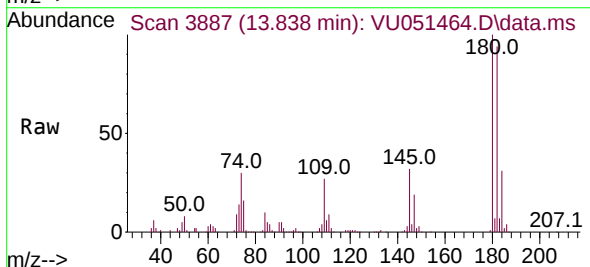
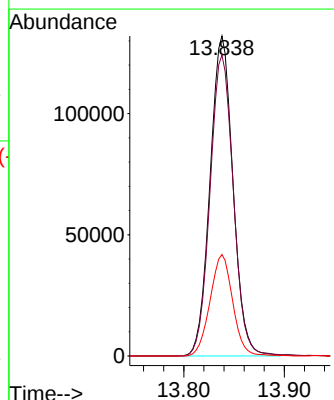


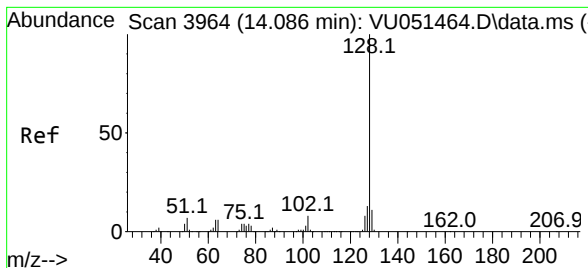
Tgt Ion:180 Resp: 273576
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.6 113.4
 184 29.9 23.9 35.9
 145 29.8 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 42.742 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051464.D
 Acq: 20 Oct 2022 10:45

Tgt Ion:180 Resp: 209562
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 145 31.3 25.0 37.6

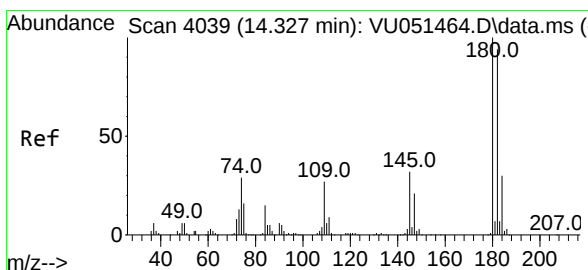
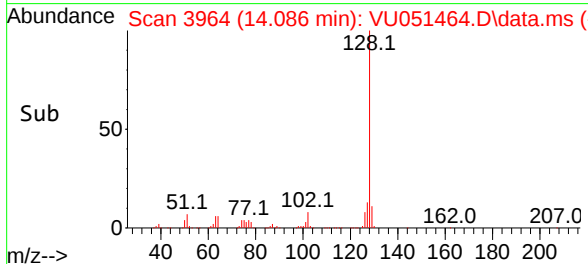
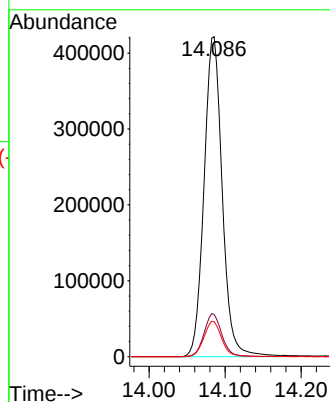
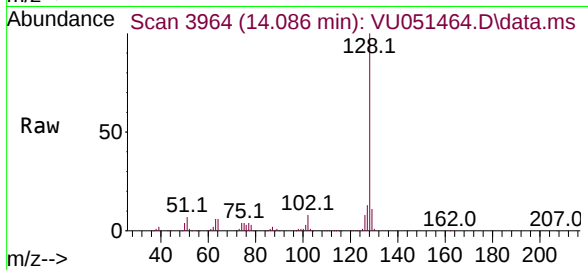




#71
Naphthalene
Concen: 40.494 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 700359
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 44.337 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051464.D
Acq: 20 Oct 2022 10:45

Tgt Ion:180 Resp: 243032
Ion Ratio Lower Upper
180 100
182 94.3 75.4 113.2
145 31.6 25.3 37.9

