

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051466.D
 Acq On : 20 Oct 2022 11:33
 Operator : JC/MD
 Sample : VSTD20047
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 20 21:40:14 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	532802	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	564205	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	316136	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	772608	148.667	ug/L	0.00
7) Chloroethane-d5	1.884	69	642631	133.021	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	1355610	172.234	ug/L	0.00
21) 2-Butanone-d5	4.617	46	1296808	377.719	ug/L	0.00
24) Chloroform-d	5.060	84	1450860	169.247	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	879586	166.069	ug/L	0.00
32) Benzene-d6	5.723	84	2980950	181.796	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	973071	182.779	ug/L	0.00
41) Toluene-d8	7.896	98	2842615	187.081	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	480144	191.736	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	1117724	510.834	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	1751815	188.936	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	1189579	180.935	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	815527	180.854	ug/L	100
3) Chloromethane	1.523	50	1035629	192.924	ug/L	98
5) Vinyl chloride	1.604	62	1064935	187.618	ug/L	100
6) Bromomethane	1.829	94	409871	94.032	ug/L	99
8) Chloroethane	1.909	64	629711	153.620	ug/L	99
9) Trichlorofluoromethane	2.125	101	1206369	161.901	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	718720	175.732	ug/L	100
12) 1,1-Dichloroethene	2.572	96	721752	187.820	ug/L	97
13) Acetone	2.623	43	1046939	357.094	ug/L	97
14) Carbon disulfide	2.787	76	2380137	205.887	ug/L	100
15) Methyl Acetate	2.941	43	954410	186.165	ug/L	99
16) Methylene chloride	3.041	84	919012	167.745	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	783084	192.264	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	2470737	203.041	ug/L	100
19) 1,1-Dichloroethane	3.864	63	1466844	189.823	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	903068	200.503	ug/L	97
22) 2-Butanone	4.697	43	1569237	403.388	ug/L	99
23) Bromochloromethane	4.970	128	472325	191.428	ug/L	98
25) Chloroform	5.083	83	1495601	179.533	ug/L	99
27) 1,2-Dichloroethane	5.790	62	1157528	180.705	ug/L	99
29) Cyclohexane	5.385	56	1316671	232.769	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	1218111	182.855	ug/L	99
31) Carbon tetrachloride	5.520	117	1005183	184.058	ug/L	100
33) Benzene	5.771	78	3523442	201.423	ug/L	100
34) Trichloroethene	6.539	95	842951	188.930	ug/L	98
35) Methylcyclohexane	6.761	83	1404949	226.853	ug/L	96
37) 1,2-Dichloropropane	6.787	63	933645	197.995	ug/L	100
38) Bromodichloromethane	7.102	83	1178777	188.973	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	1487322	224.948	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	3079000	455.339	ug/L	98
42) Toluene	7.967	91	3830276	205.799	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	1442241	217.172	ug/L	98

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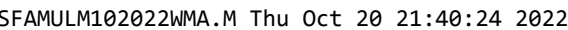
Instrument :
 MSVOA_U
 ClientSampleId :

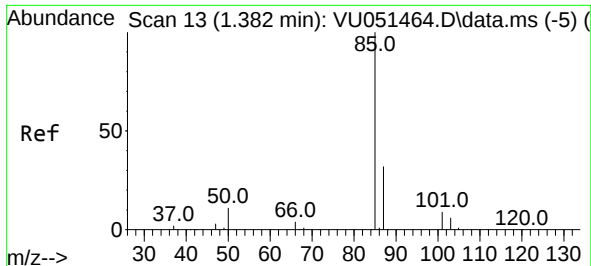
Quant Time: Oct 20 21:40:14 2022
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:37:38 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	952763	189.169	ug/L	99
46) Tetrachloroethene	8.552	164	627258	184.230	ug/L	98
48) 2-Hexanone	8.684	43	2533798	416.433	ug/L	98
49) Dibromochloromethane	8.809	129	1035104	196.490	ug/L	98
50) 1,2-Dibromoethane	8.922	107	1028854	190.039	ug/L	99
51) Chlorobenzene	9.446	112	2475297	197.817	ug/L	99
52) Ethylbenzene	9.568	91	4264957	218.992	ug/L	100
53) m,p-Xylene	9.690	106	1652137	222.649	ug/L	97
54) o-Xylene	10.099	106	1673439	226.205	ug/L	100
55) Styrene	10.111	104	3005008	234.754	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	1888631	210.114	ug/L	100
59) Bromoform	10.288	173	833114	180.014	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	1450881	174.244	ug/L	100
61) Isopropylbenzene	10.481	105	4297333	209.112	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	3951583	236.317	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	3948197	232.409	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	2033063	190.593	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	2039155	192.096	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	2052830	191.546	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	421275	178.081	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	1440636	202.102	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	1255244	217.270	ug/L	100
71) Naphthalene	14.082	128	4471599	219.411	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	1293644	200.282	ug/L	99

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

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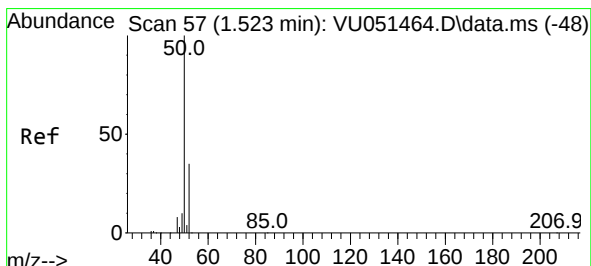
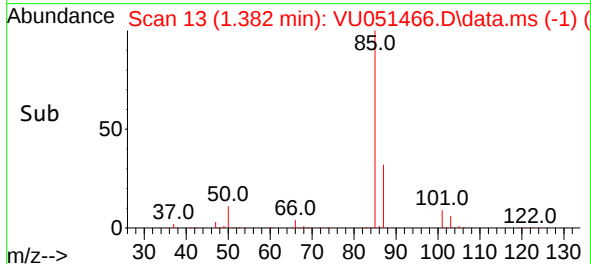
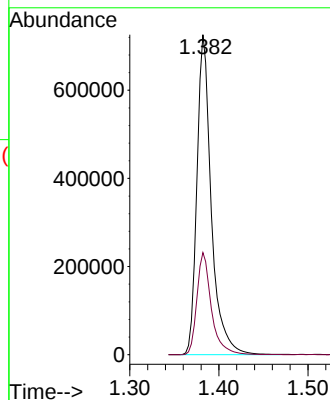
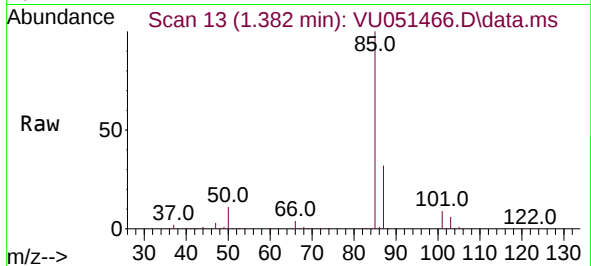




#2
Dichlorodifluoromethane
Concen: 180.854 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

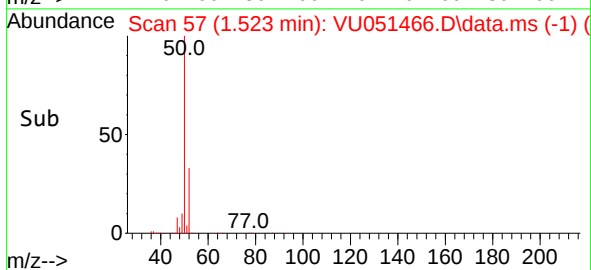
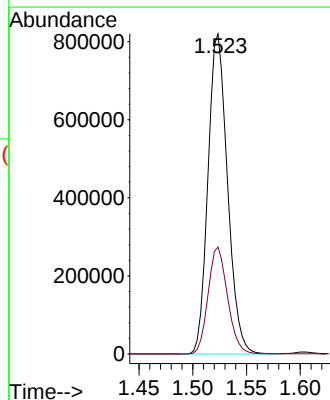
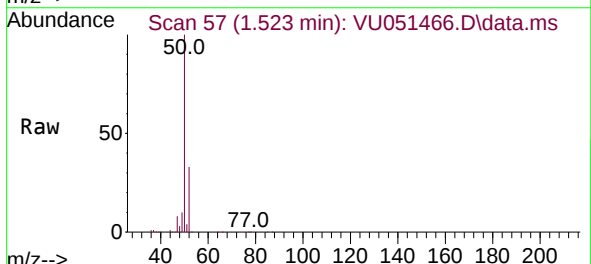
Instrument :
MSVOA_U
ClientSampleId :

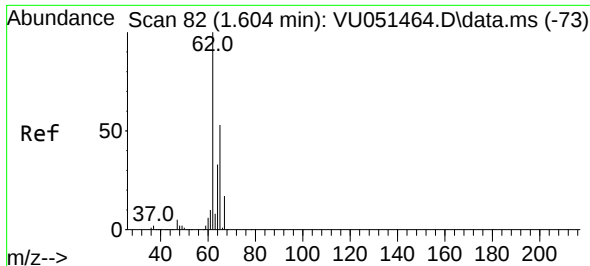
Tgt Ion: 85 Resp: 815527
Ion Ratio Lower Upper
85 100
87 32.1 25.7 38.5



#3
Chloromethane
Concen: 192.924 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

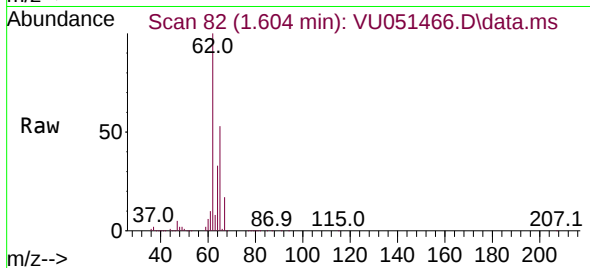
Tgt Ion: 50 Resp: 1035629
Ion Ratio Lower Upper
50 100
52 33.4 24.1 44.8





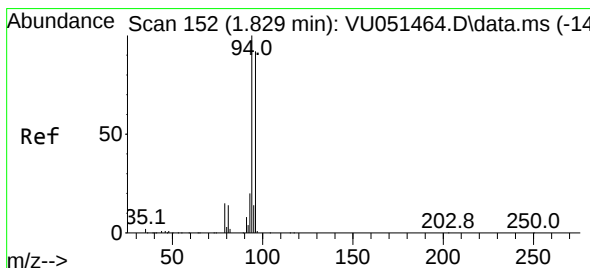
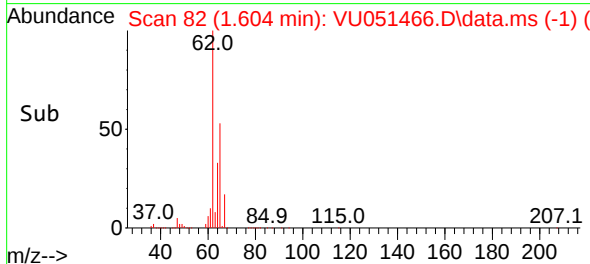
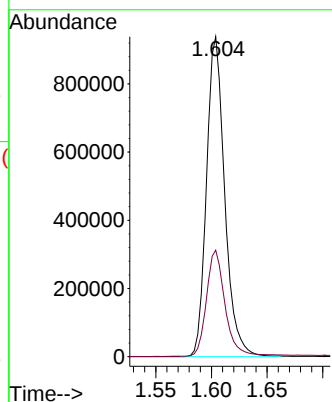
#5
 Vinyl chloride
 Concen: 187.618 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 62 Resp: 1064935

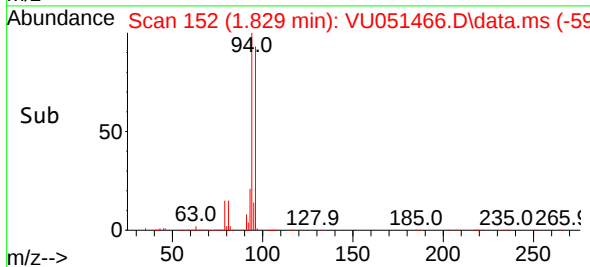
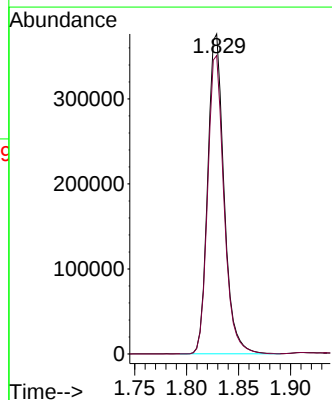
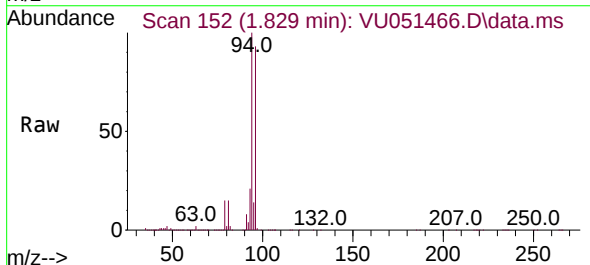
Ion	Ratio	Lower	Upper
62	100		
64	33.3	23.2	43.2

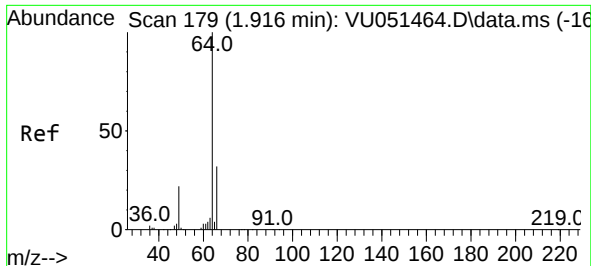


#6
 Bromomethane
 Concen: 94.032 ug/L
 RT: 1.829 min Scan# 152
 Delta R.T. 0.000 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

Tgt Ion: 94 Resp: 409871

Ion	Ratio	Lower	Upper
94	100		
96	93.3	64.5	119.9

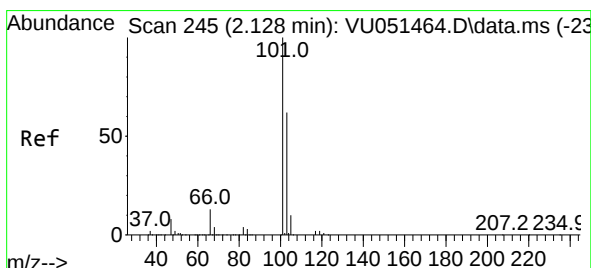
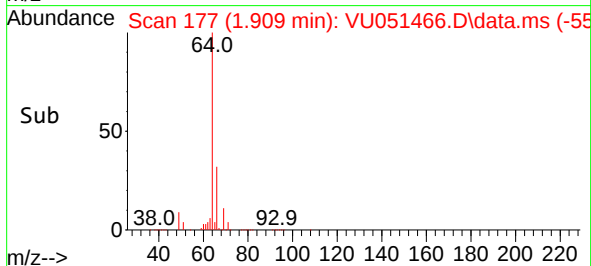
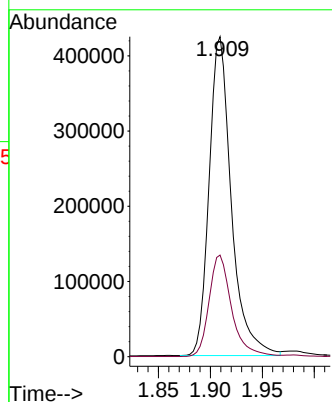
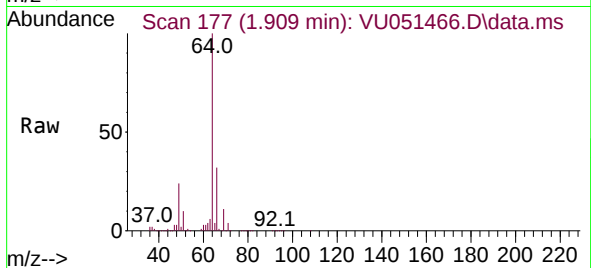




#8
Chloroethane
Concen: 153.620 ug/L
RT: 1.909 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

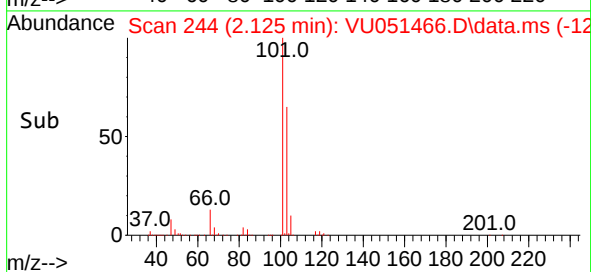
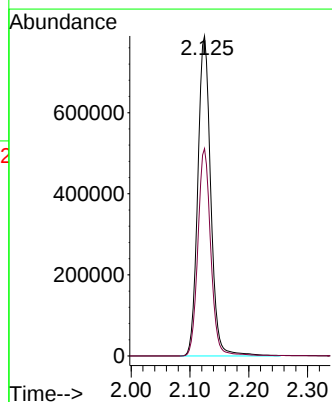
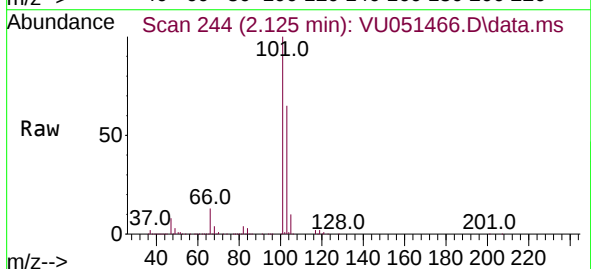
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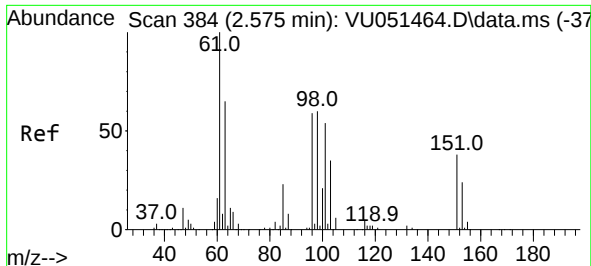
Tgt Ion: 64 Resp: 629711
Ion Ratio Lower Upper
64 100
66 31.7 21.9 40.7



#9
Trichlorofluoromethane
Concen: 161.901 ug/L
RT: 2.125 min Scan# 244
Delta R.T. -0.003 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion:101 Resp: 1206369
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4

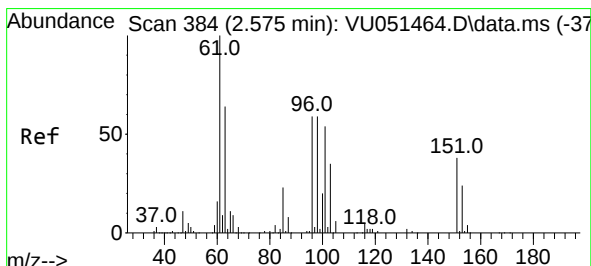
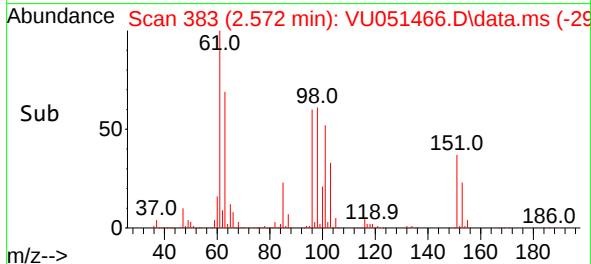
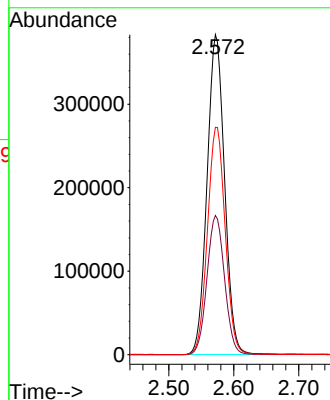
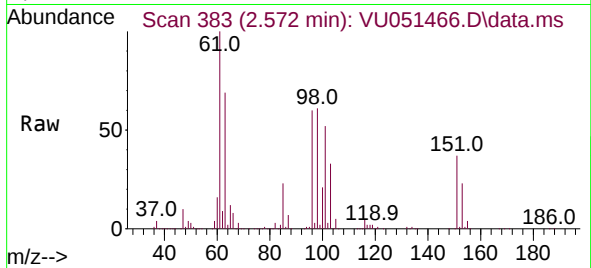




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 175.732 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

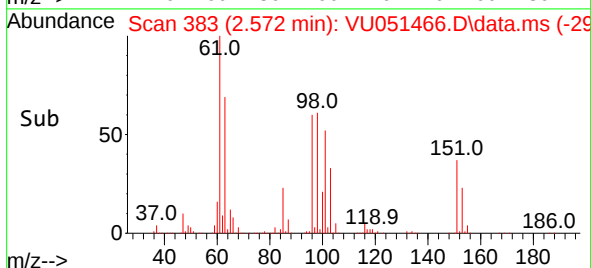
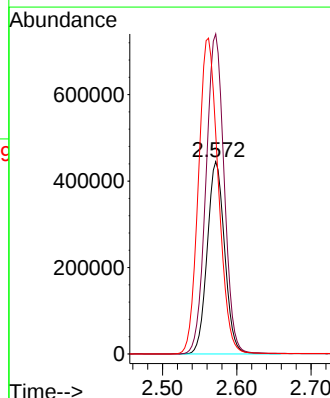
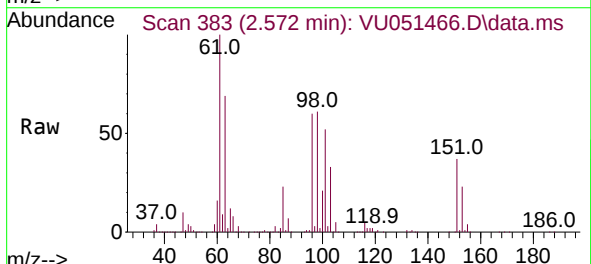
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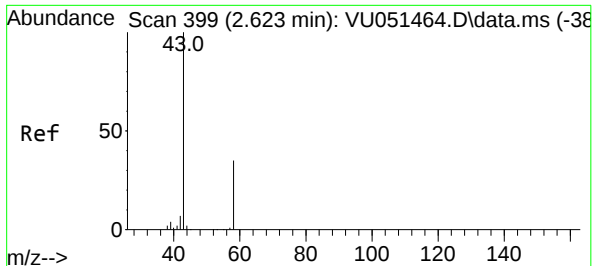
Tgt Ion:101 Resp: 718720
 Ion Ratio Lower Upper
 101 100
 85 43.7 35.2 52.8
 151 72.2 57.8 86.8



#12
 1,1-Dichloroethene
 Concen: 187.820 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

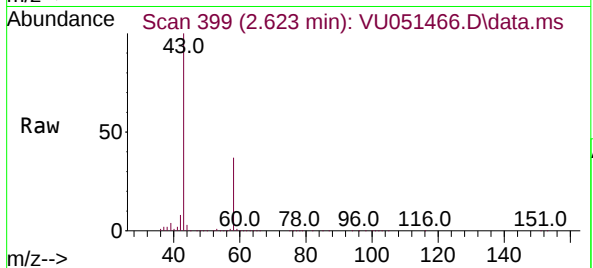
Tgt Ion: 96 Resp: 721752
 Ion Ratio Lower Upper
 96 100
 61 166.3 119.0 221.0
 63 114.5 78.5 145.7



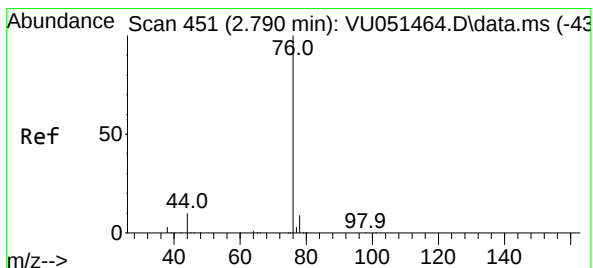
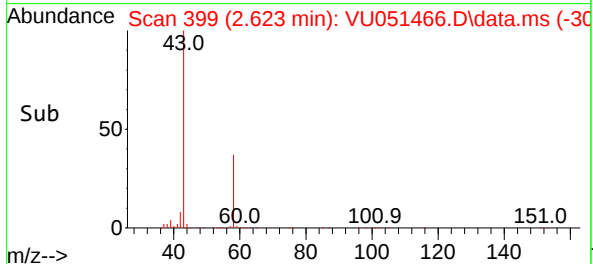
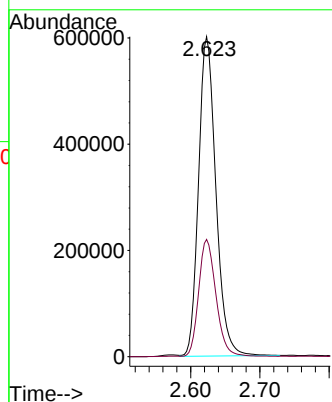


#13
Acetone
Concen: 357.094 ug/L
RT: 2.623 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Instrument :
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ClientSampleId :

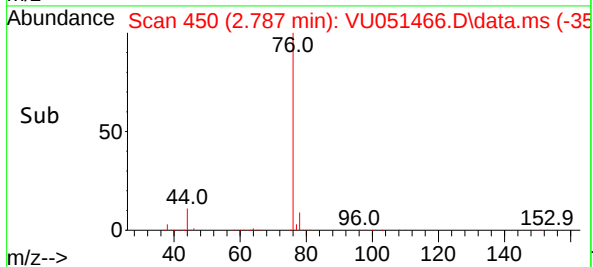
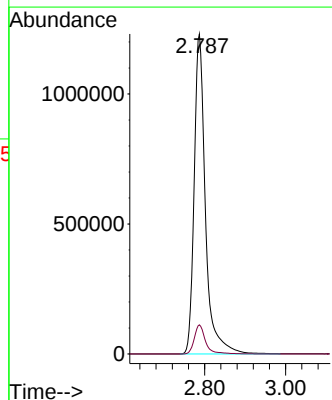
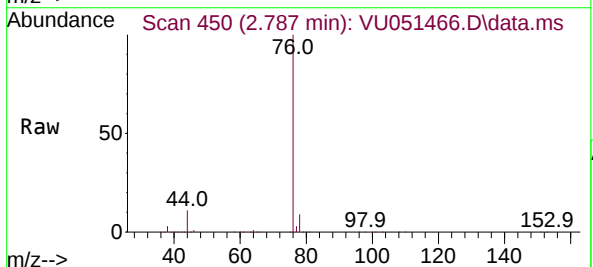


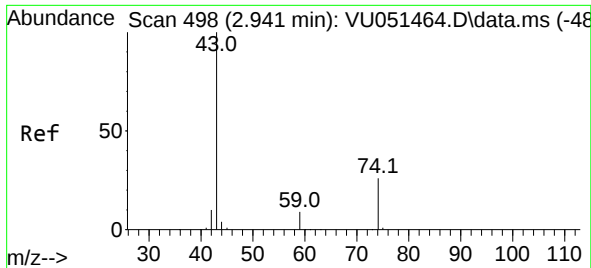
Tgt Ion: 43 Resp: 1046939
Ion Ratio Lower Upper
43 100
58 36.7 0.0 70.2



#14
Carbon disulfide
Concen: 205.887 ug/L
RT: 2.787 min Scan# 450
Delta R.T. -0.003 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion: 76 Resp: 2380137
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

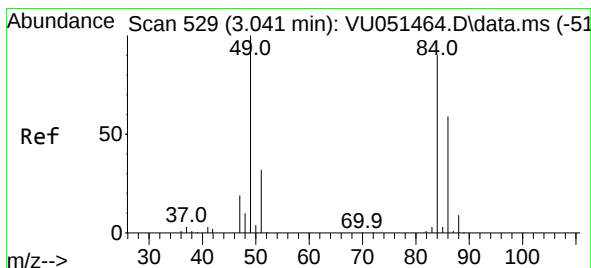
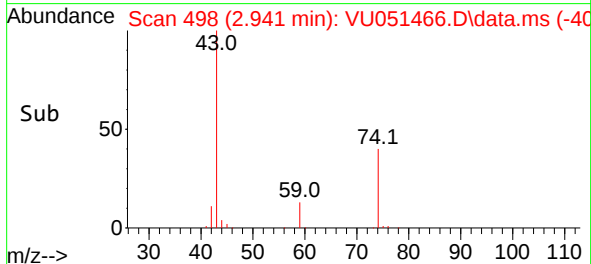
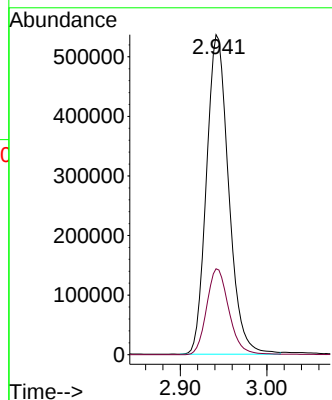
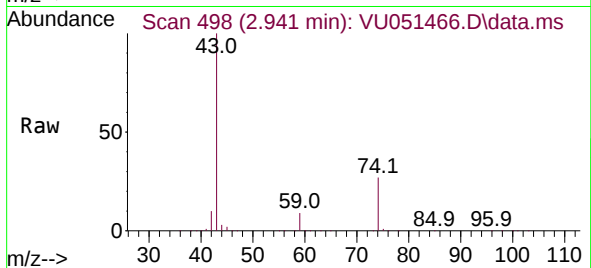




#15
Methyl Acetate
Concen: 186.165 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

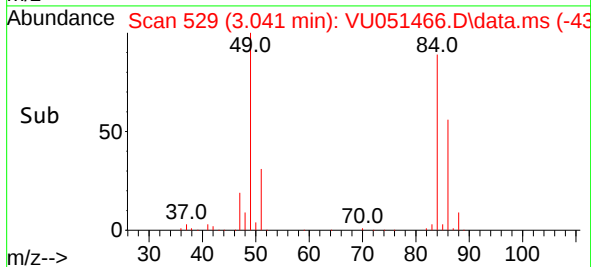
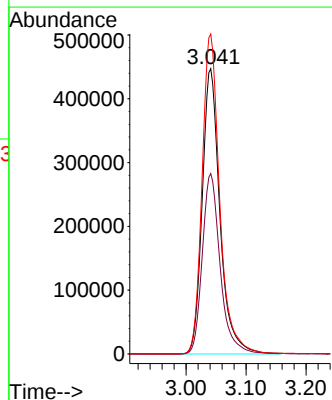
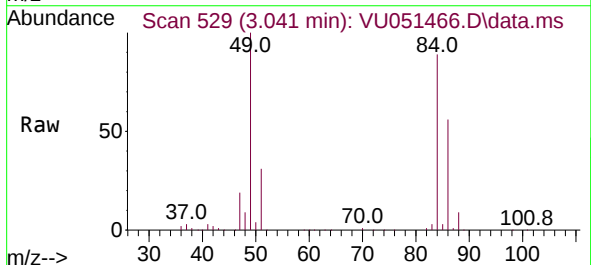
Instrument :
MSVOA_U
ClientSampleId :

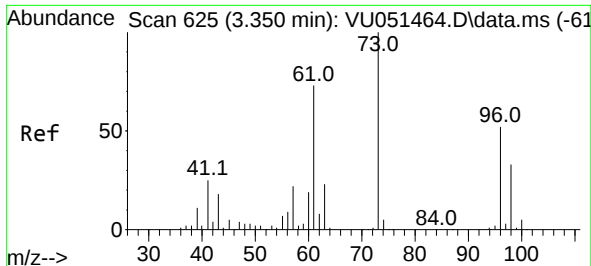
Tgt Ion: 43 Resp: 954410
Ion Ratio Lower Upper
43 100
74 27.1 21.1 31.7



#16
Methylene chloride
Concen: 167.745 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion: 84 Resp: 919012
Ion Ratio Lower Upper
84 100
86 63.2 45.8 85.2
49 112.2 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 192.264 ug/L

RT: 3.346 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

ClientSampleId :

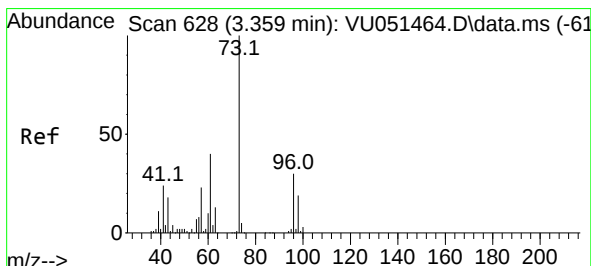
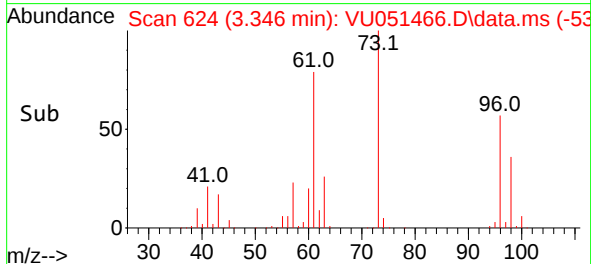
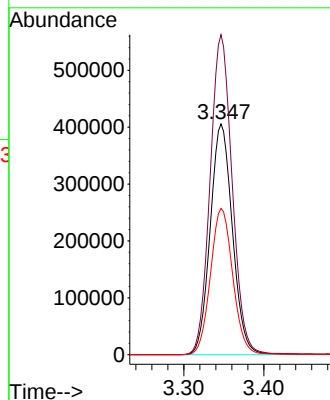
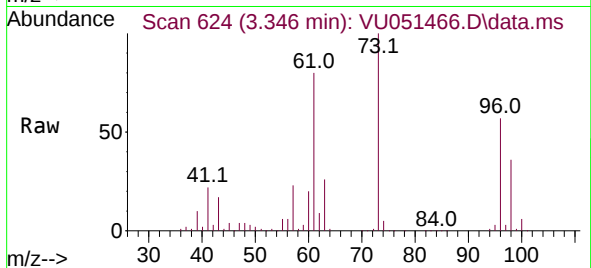
Tgt Ion: 96 Resp: 783084

Ion Ratio Lower Upper

96 100

61 138.7 98.1 182.1

98 63.4 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 203.041 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

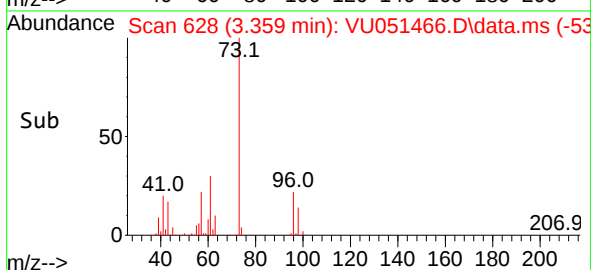
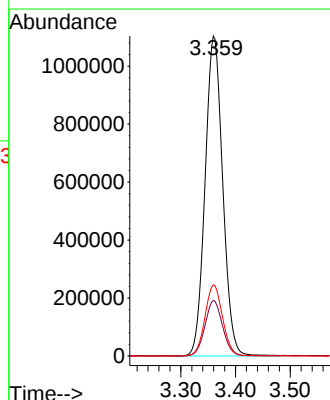
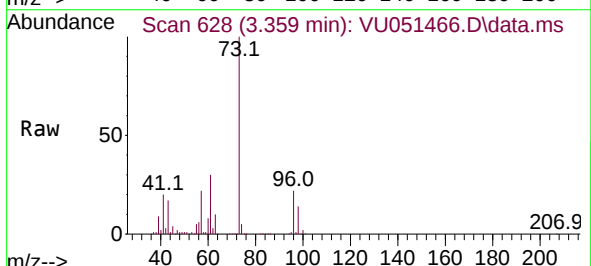
Tgt Ion: 73 Resp: 2470737

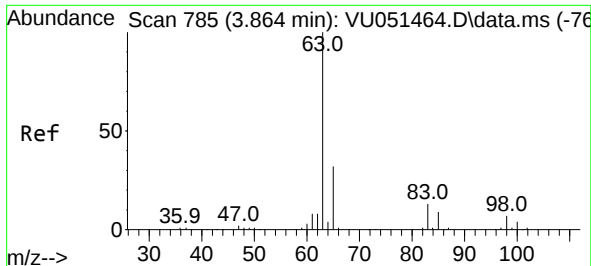
Ion Ratio Lower Upper

73 100

43 17.2 13.9 20.9

57 22.2 17.7 26.5





#19

1,1-Dichloroethane

Concen: 189.823 ug/L

RT: 3.864 min Scan# 785

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

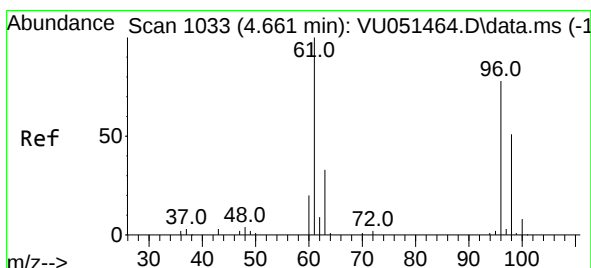
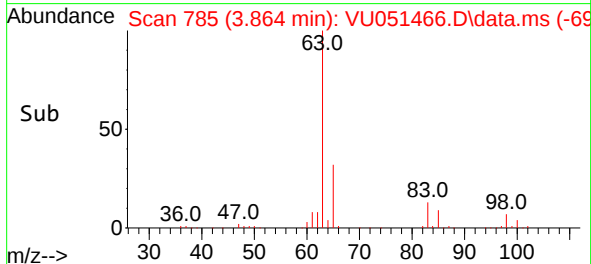
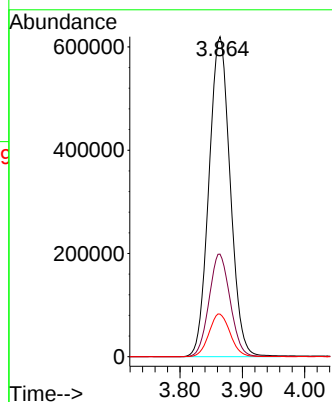
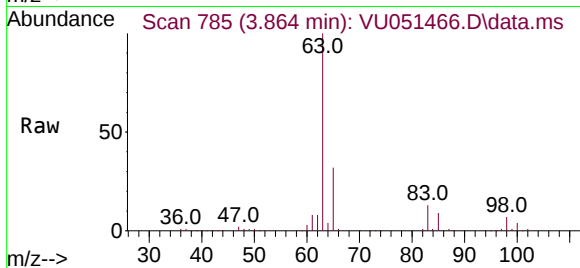
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63 Resp: 1466844

Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.1	41.1
83	13.3	9.4	17.4



#20

cis-1,2-Dichloroethene

Concen: 200.503 ug/L

RT: 4.662 min Scan# 1033

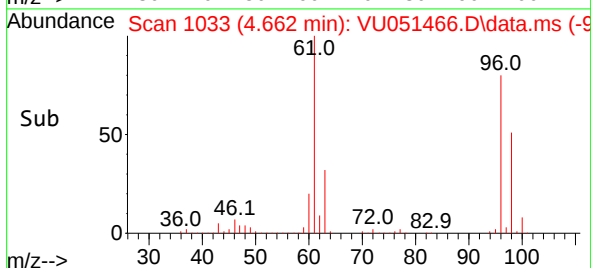
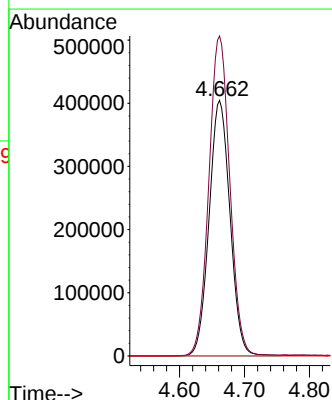
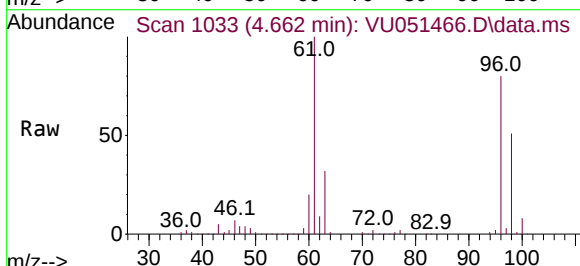
Delta R.T. 0.000 min

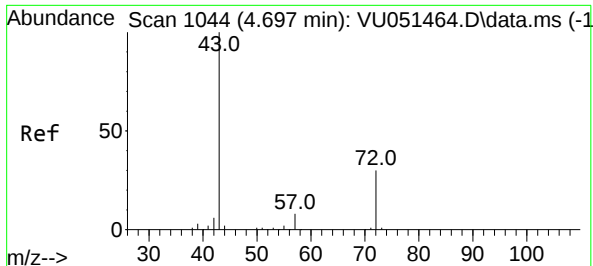
Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Tgt Ion: 96 Resp: 903068

Ion	Ratio	Lower	Upper
96	100		
61	125.3	89.7	166.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 403.388 ug/L

RT: 4.697 min Scan# 1044

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

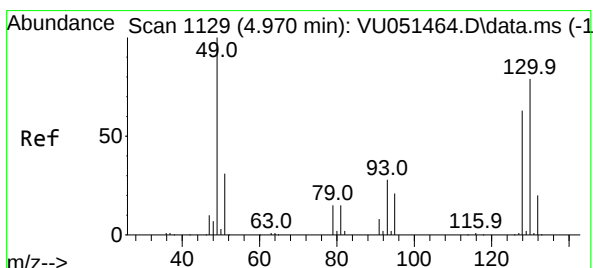
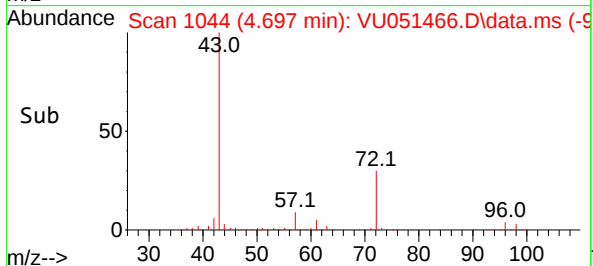
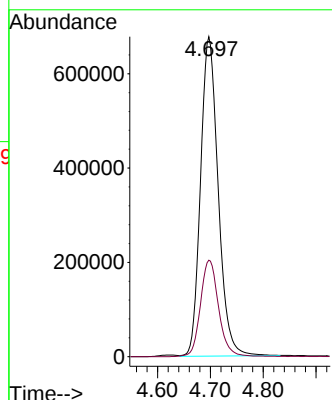
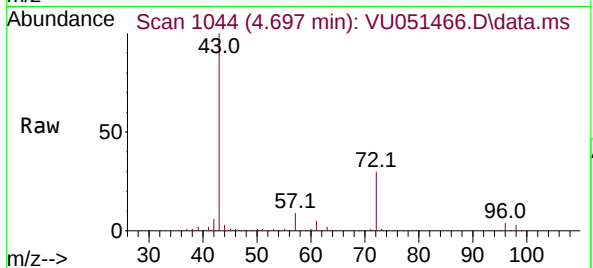
ClientSampleId :

Tgt Ion: 43 Resp: 1569237

Ion Ratio Lower Upper

43 100

72 31.1 15.2 45.6



#23

Bromochloromethane

Concen: 191.428 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Tgt Ion:128 Resp: 472325

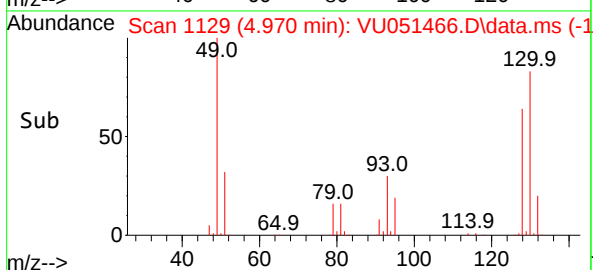
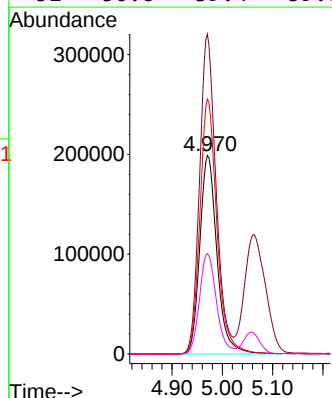
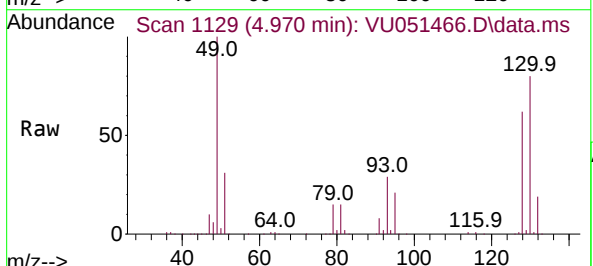
Ion Ratio Lower Upper

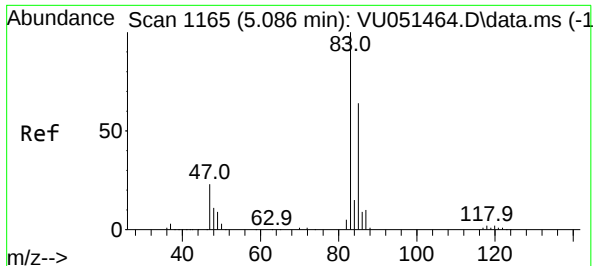
128 100

49 161.3 111.9 207.9

130 128.5 88.2 163.8

51 50.6 39.4 59.0





#25

Chloroform

Concen: 179.533 ug/L

RT: 5.083 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

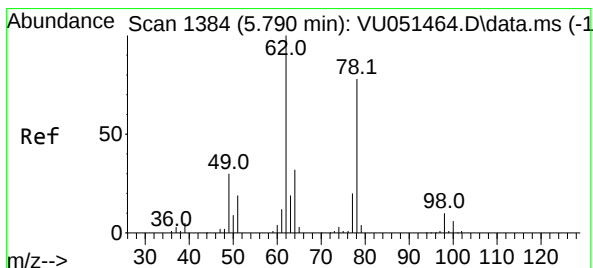
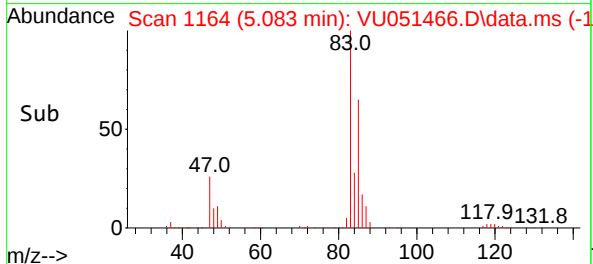
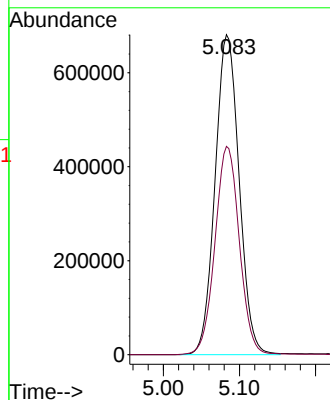
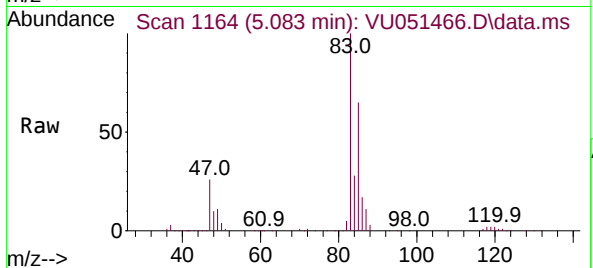
ClientSampleId :

Tgt Ion: 83 Resp: 1495601

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.9



#27

1,2-Dichloroethane

Concen: 180.705 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU051466.D

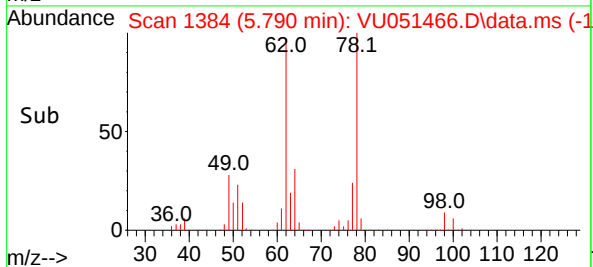
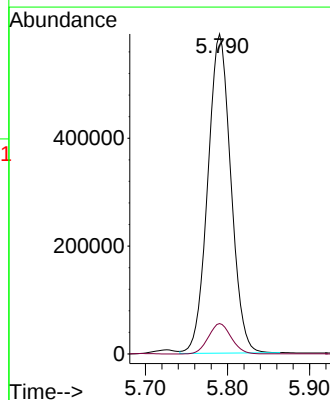
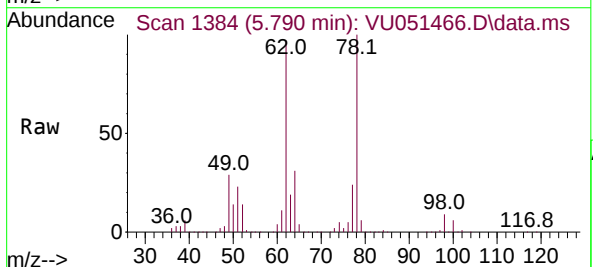
Acq: 20 Oct 2022 11:33

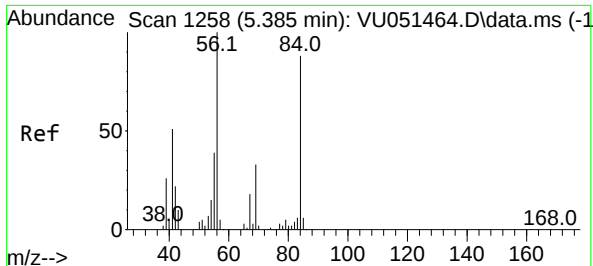
Tgt Ion: 62 Resp: 1157528

Ion Ratio Lower Upper

62 100

98 9.5 8.0 12.0





#29

Cyclohexane

Concen: 232.769 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

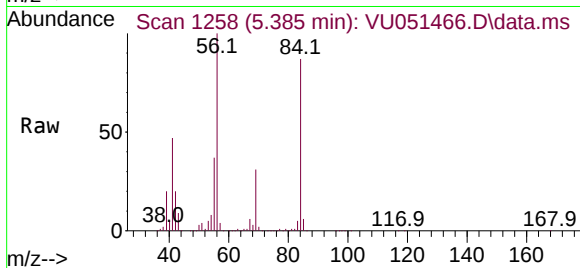
Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

ClientSampleId :



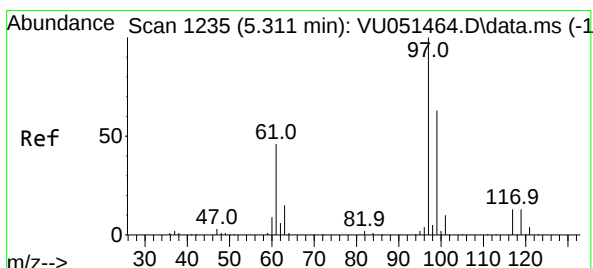
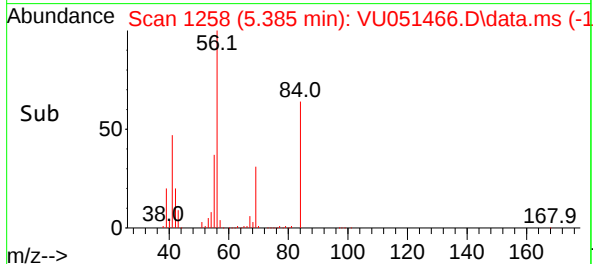
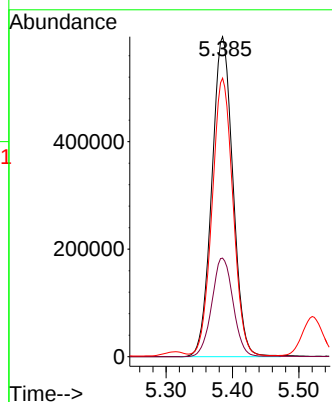
Tgt Ion: 56 Resp: 1316671

Ion Ratio Lower Upper

56 100

69 31.1 25.5 38.3

84 86.2 69.8 104.6



#30

1,1,1-Trichloroethane

Concen: 182.855 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

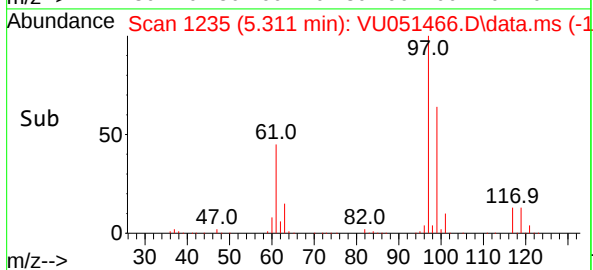
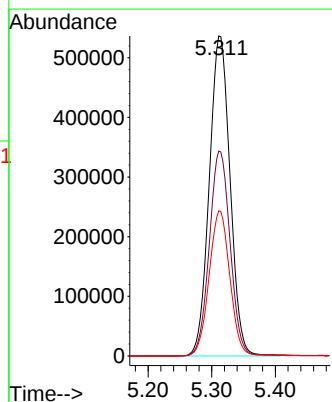
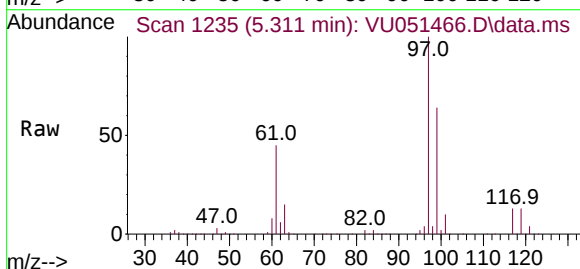
Tgt Ion: 97 Resp: 1218111

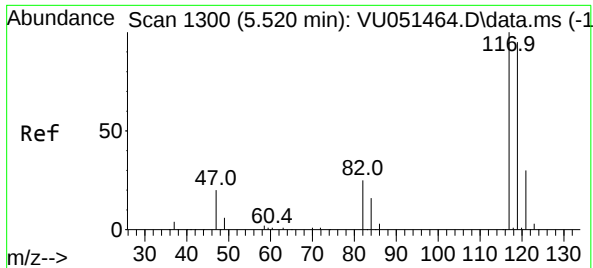
Ion Ratio Lower Upper

97 100

99 64.0 50.7 76.1

61 45.2 36.7 55.1

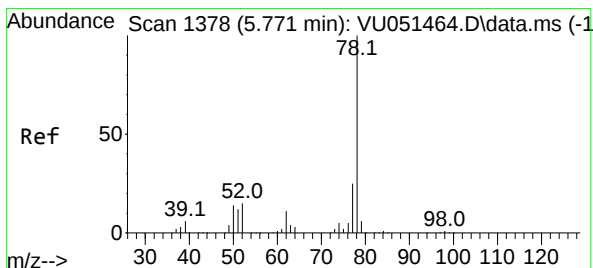
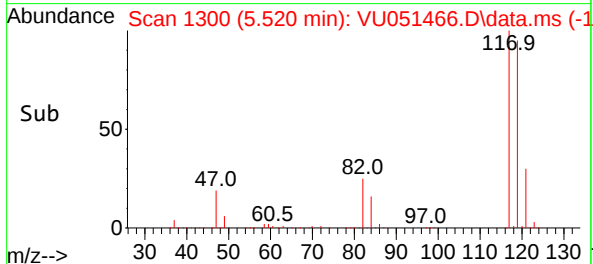
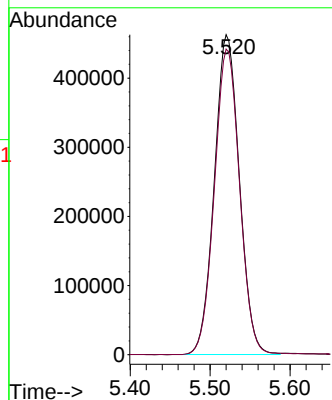
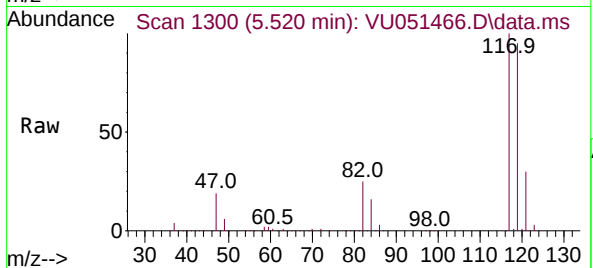




#31
Carbon tetrachloride
Concen: 184.058 ug/L
RT: 5.520 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

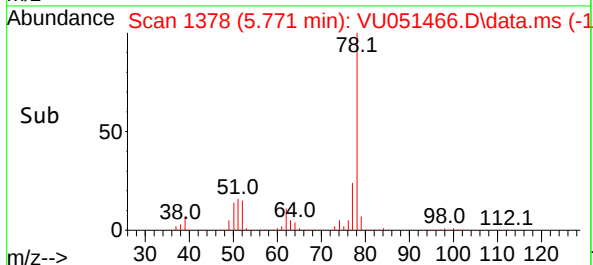
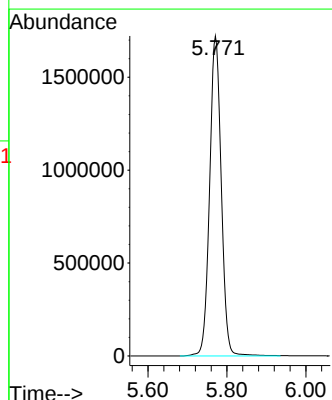
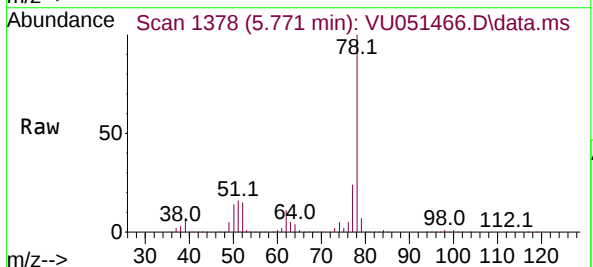
Instrument :
MSVOA_U
ClientSampleId :

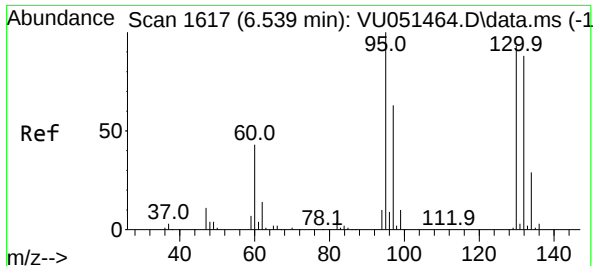
Tgt Ion:117 Resp: 1005183
Ion Ratio Lower Upper
117 100
119 96.4 77.0 115.6



#33
Benzene
Concen: 201.423 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion: 78 Resp: 3523442

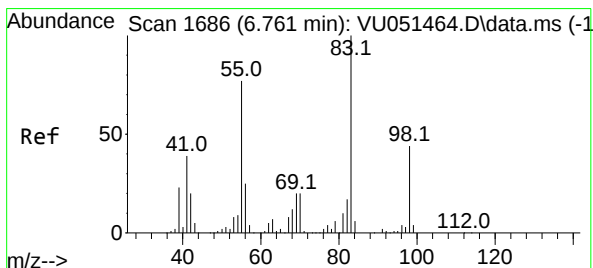
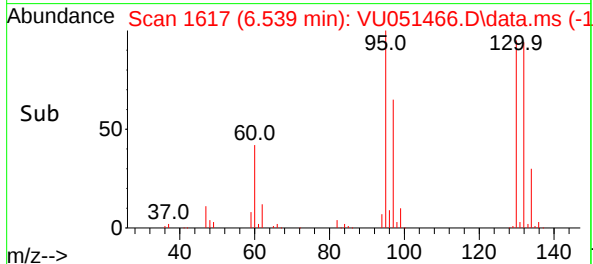
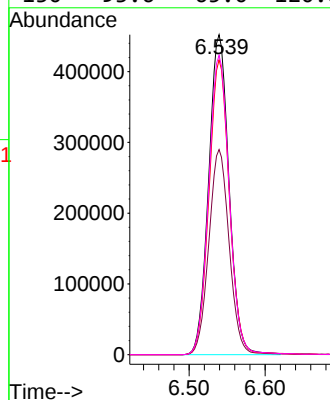
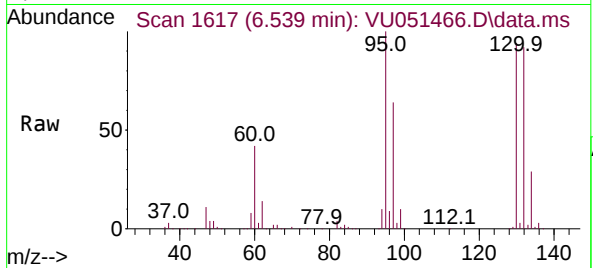




#34
Trichloroethene
Concen: 188.930 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

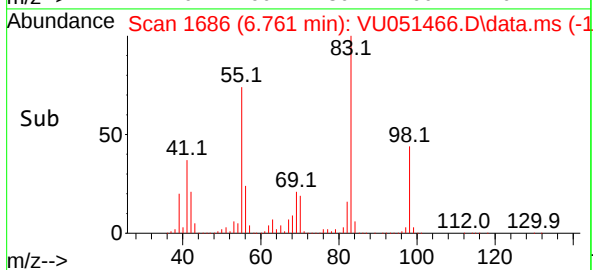
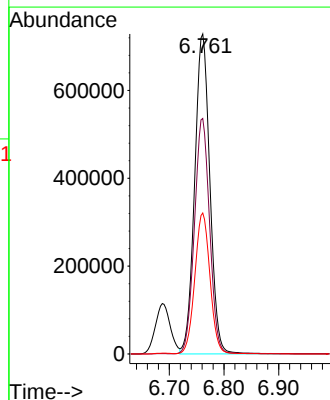
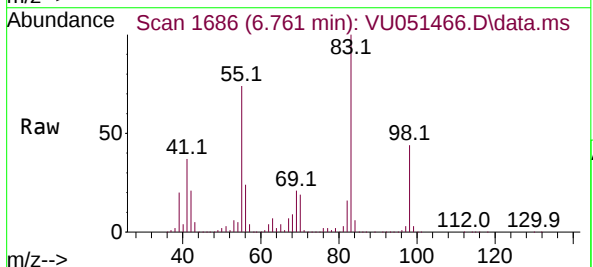
Instrument :
MSVOA_U
ClientSampleId :

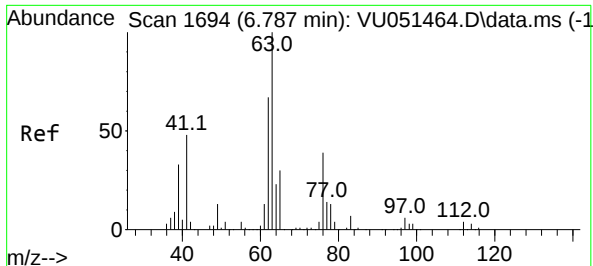
Tgt Ion: 95 Resp: 842951
Ion Ratio Lower Upper
95 100
97 64.1 43.8 81.4
132 92.1 61.9 114.9
130 93.6 65.0 120.8



#35
Methylcyclohexane
Concen: 226.853 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion: 83 Resp: 1404949
Ion Ratio Lower Upper
83 100
55 73.5 62.6 93.8
98 43.8 36.2 54.4





#37

1,2-Dichloropropane

Concen: 197.995 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

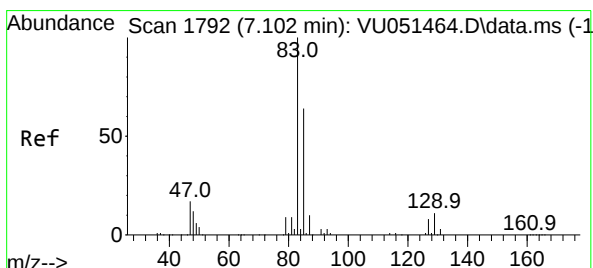
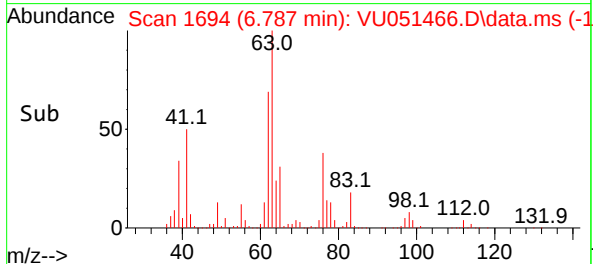
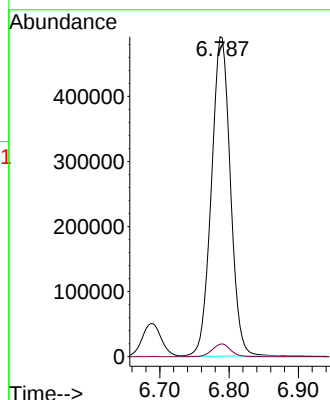
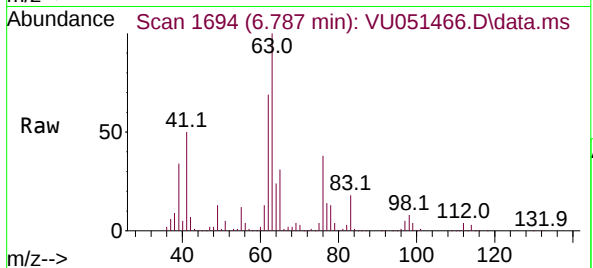
ClientSampleId :

Tgt Ion: 63 Resp: 933645

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 188.973 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

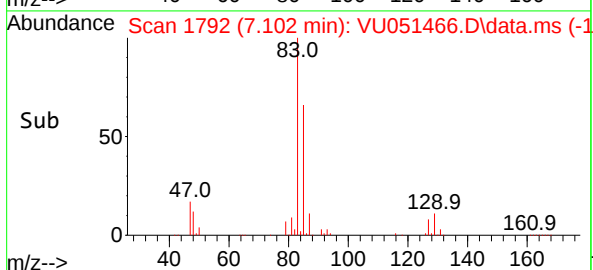
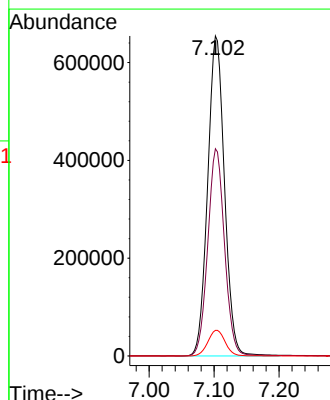
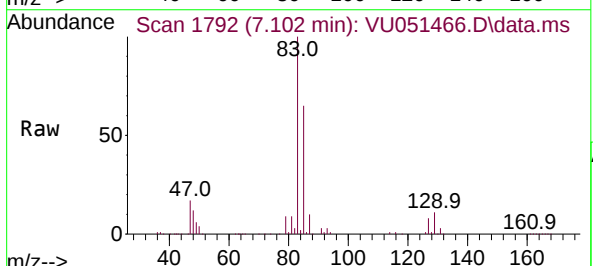
Tgt Ion: 83 Resp: 1178777

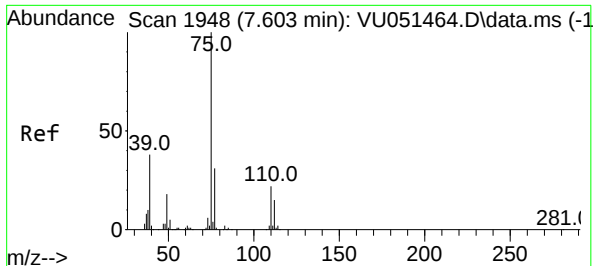
Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5

127 8.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 224.948 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

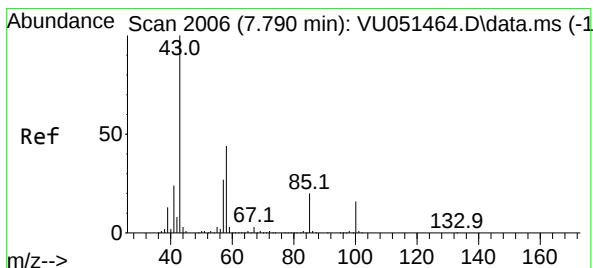
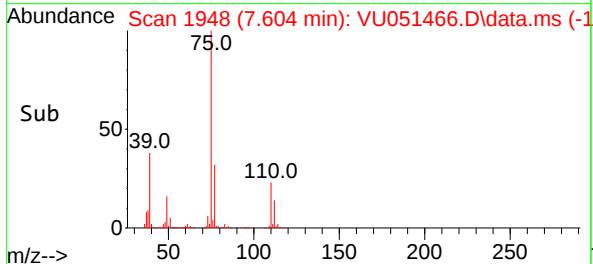
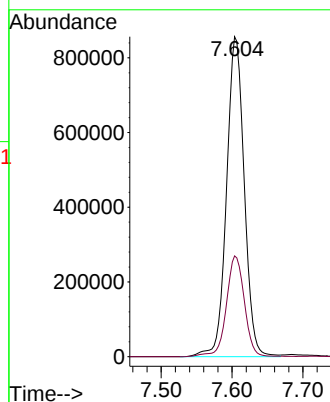
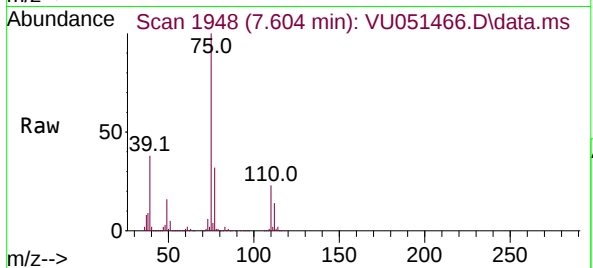
ClientSampleId :

Tgt Ion: 75 Resp: 1487322

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 455.339 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

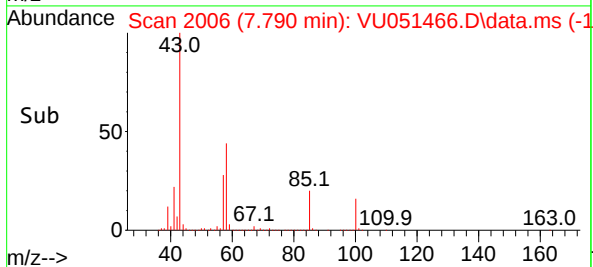
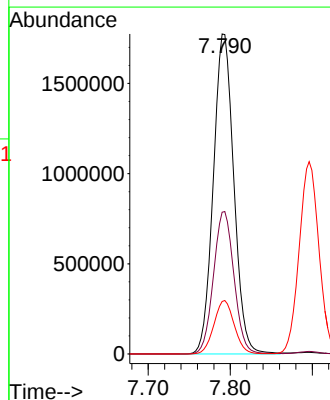
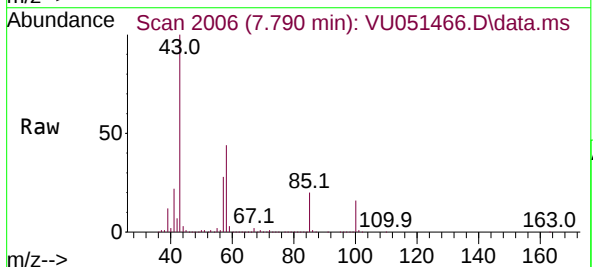
Tgt Ion: 43 Resp: 3079000

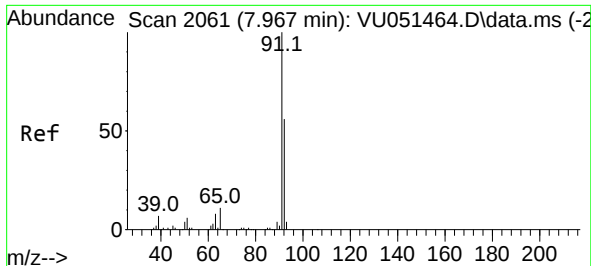
Ion Ratio Lower Upper

43 100

58 44.6 34.4 51.6

100 16.6 12.9 19.3

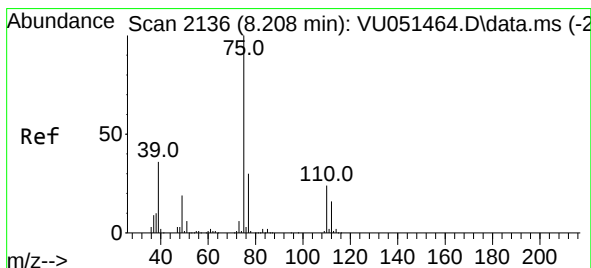
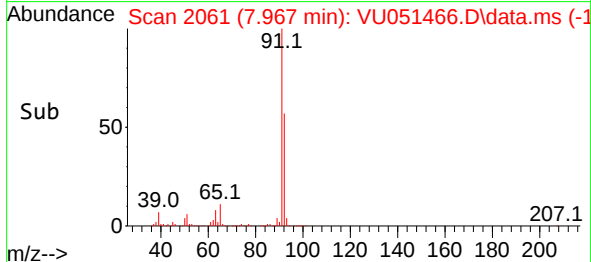
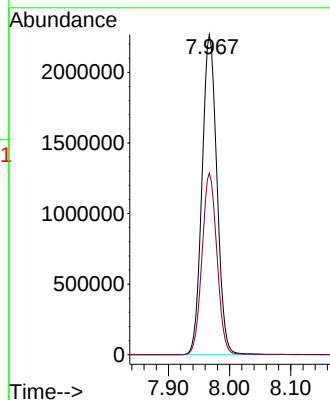
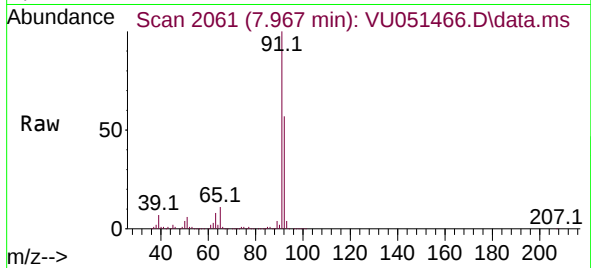




#42
Toluene
Concen: 205.799 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

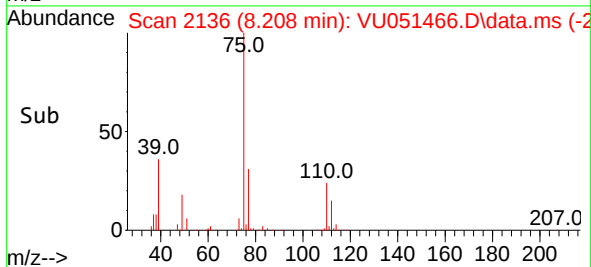
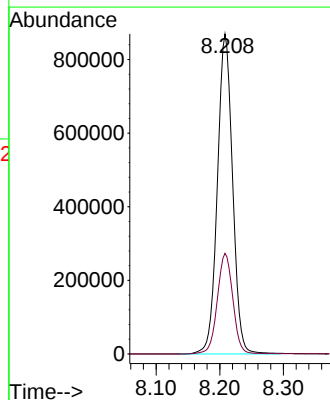
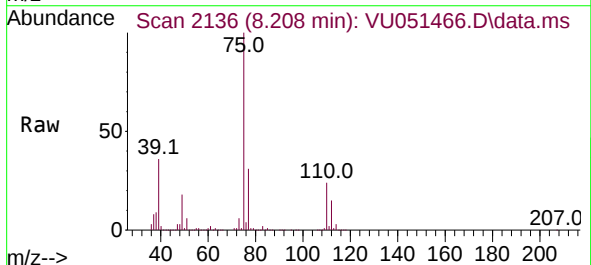
Instrument :
MSVOA_U
ClientSampleId :

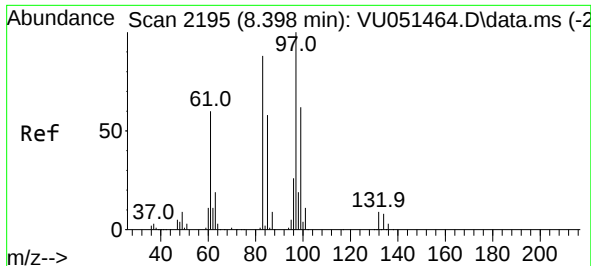
Tgt Ion: 91 Resp: 3830276
Ion Ratio Lower Upper
91 100
92 56.7 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 217.172 ug/L
RT: 8.208 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

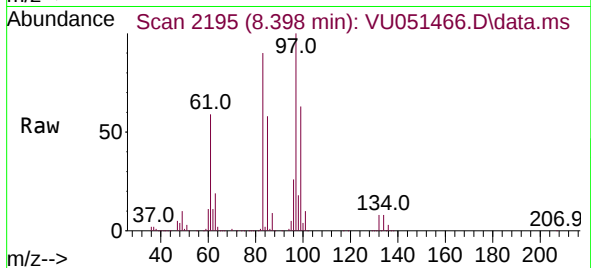
Tgt Ion: 75 Resp: 1442241
Ion Ratio Lower Upper
75 100
77 31.5 21.3 39.5



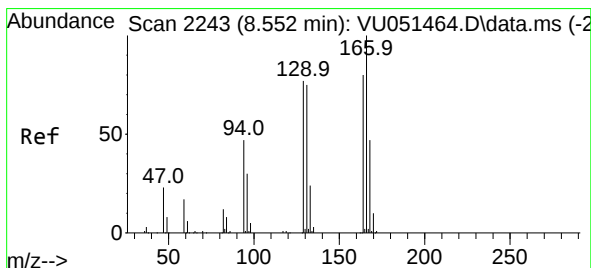
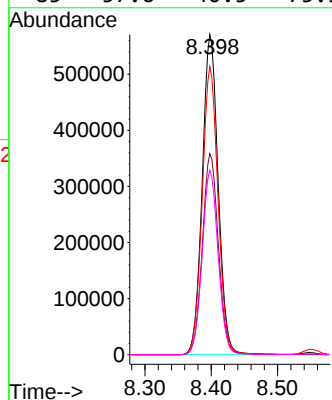
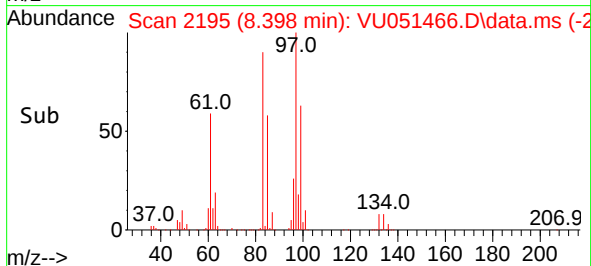


#45
1,1,2-Trichloroethane
Concen: 189.169 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Instrument :
MSVOA_U
ClientSampleId :

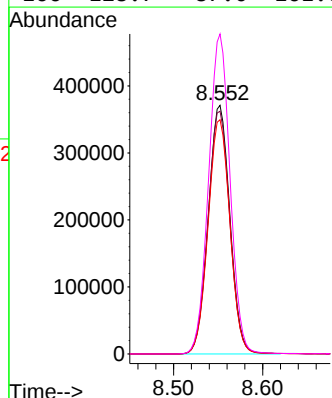
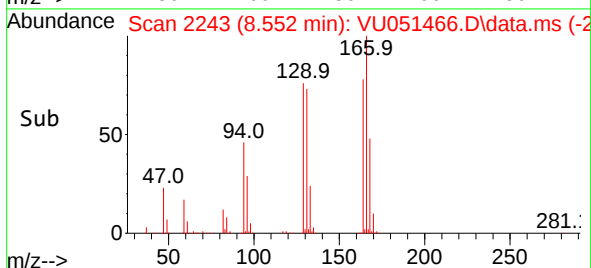
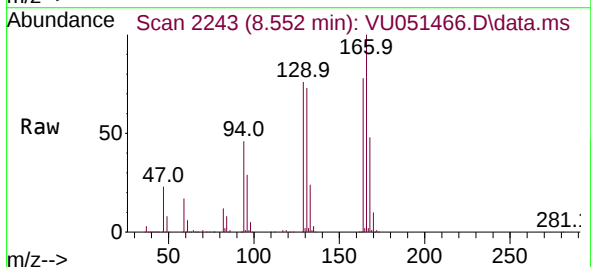


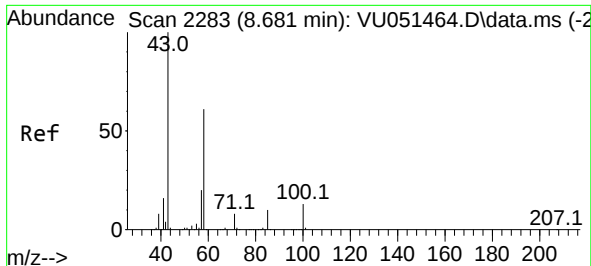
Tgt Ion:	97	Resp:	952763
Ion Ratio	100	Lower	Upper
97	100		
99	62.9	43.6	81.0
83	90.0	61.8	114.8
85	57.6	40.5	75.3



#46
Tetrachloroethene
Concen: 184.230 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

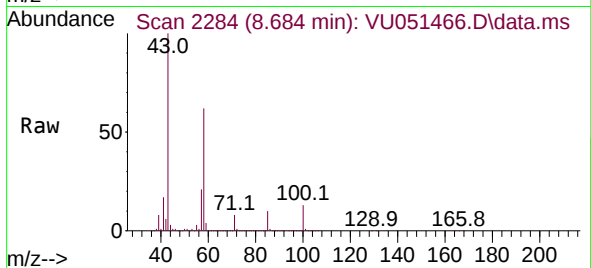
Tgt Ion:	164	Resp:	627258
Ion Ratio	100	Lower	Upper
164	100		
129	97.6	67.3	124.9
131	94.2	65.2	121.0
166	128.7	87.0	161.6





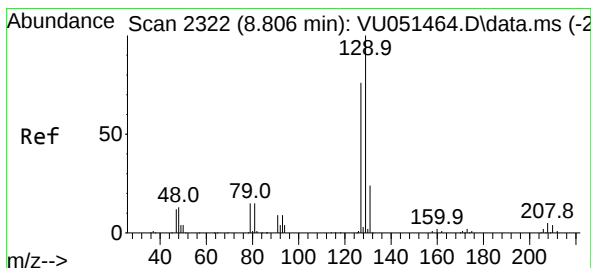
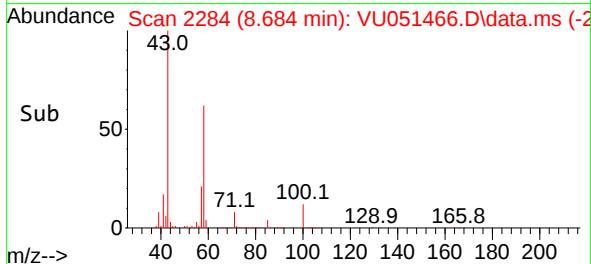
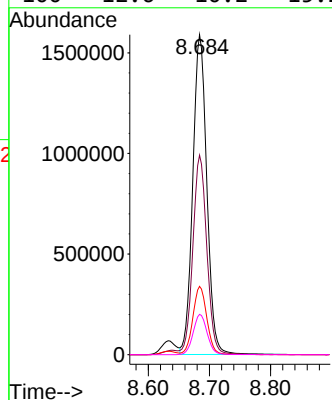
#48
2-Hexanone
Concen: 416.433 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 2533798

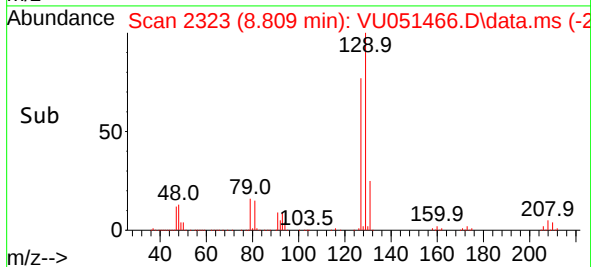
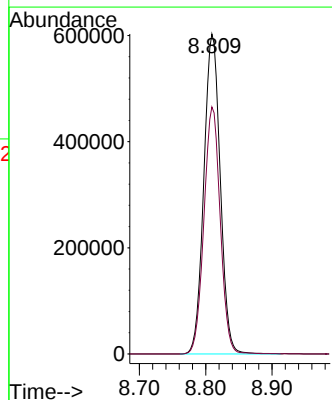
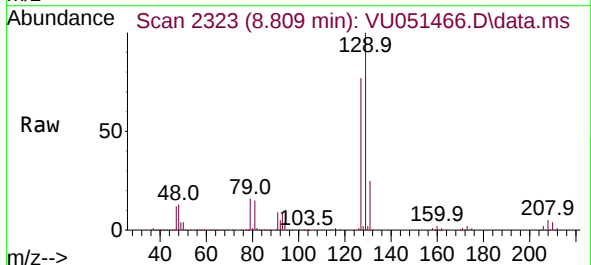
Ion	Ratio	Lower	Upper
43	100		
58	62.1	48.2	72.4
57	21.2	16.4	24.6
100	12.6	10.2	15.2

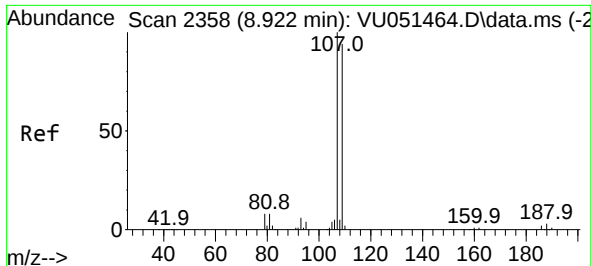


#49
Dibromochloromethane
Concen: 196.490 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.003 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion: 129 Resp: 1035104

Ion	Ratio	Lower	Upper
129	100		
127	77.2	53.1	98.5





#50

1,2-Dibromoethane

Concen: 190.039 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

ClientSampleId :

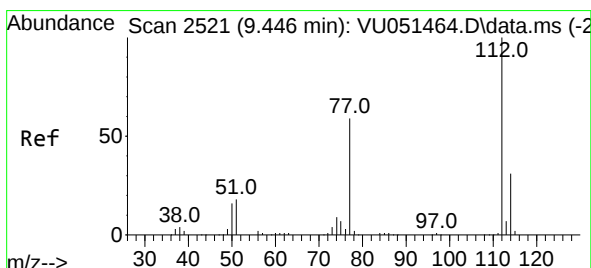
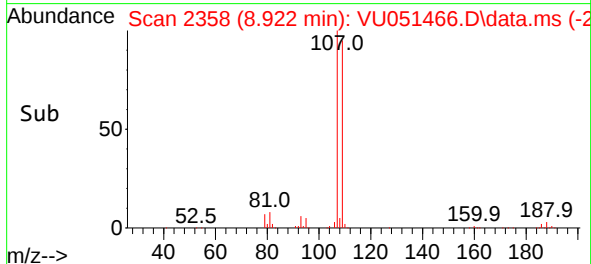
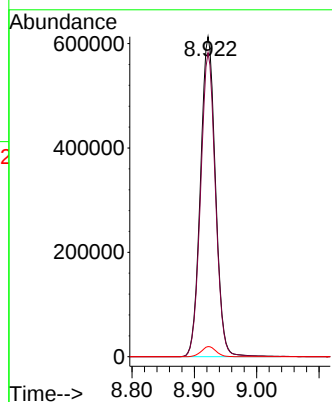
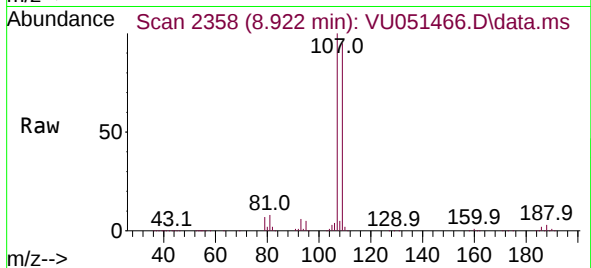
Tgt Ion:107 Resp: 1028854

Ion Ratio Lower Upper

107 100

109 95.0 65.8 122.2

188 3.2 2.7 4.1



#51

Chlorobenzene

Concen: 197.817 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

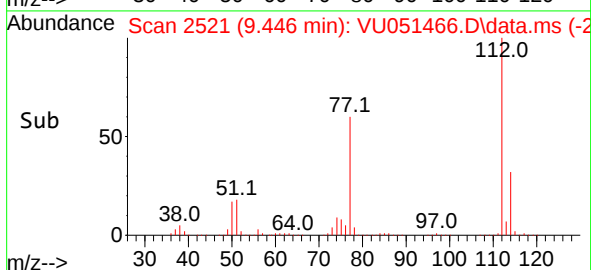
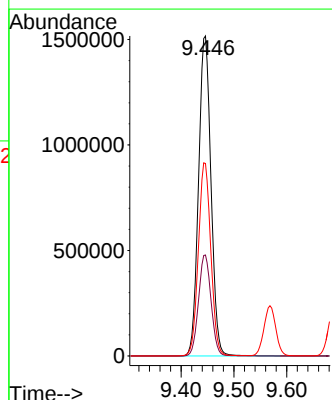
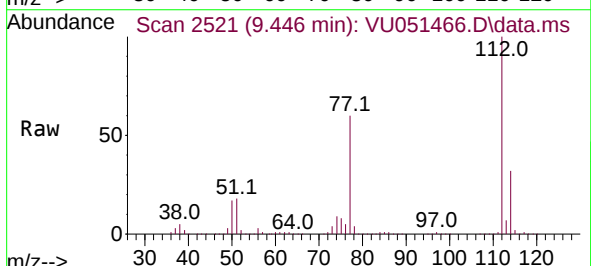
Tgt Ion:112 Resp: 2475297

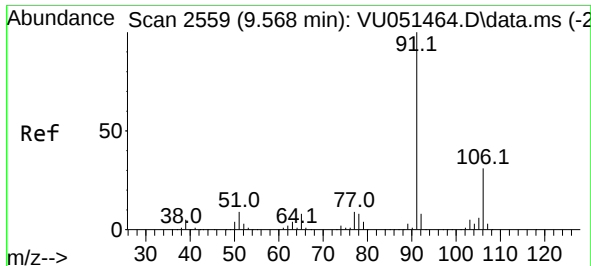
Ion Ratio Lower Upper

112 100

114 31.6 21.9 40.7

77 60.1 47.3 70.9

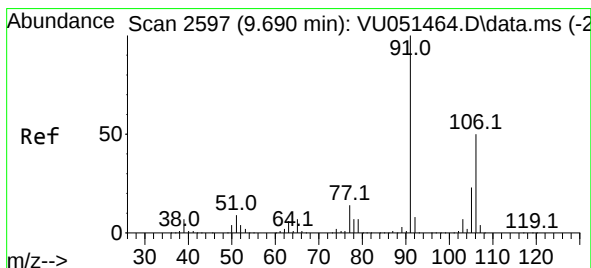
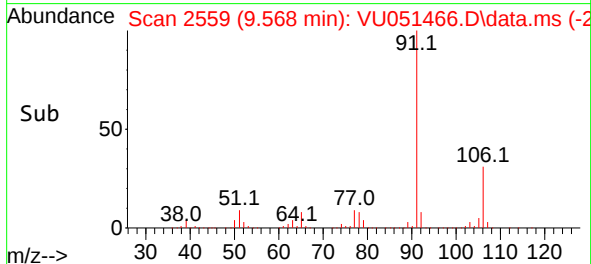
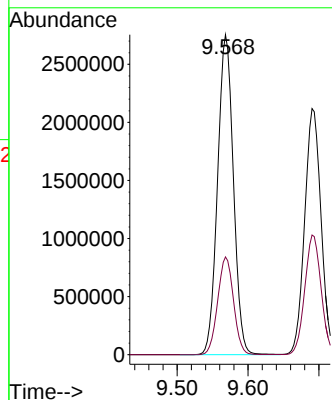
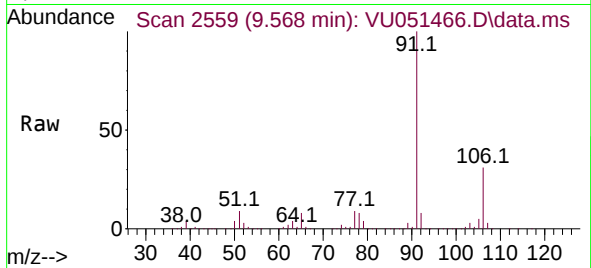




#52
Ethylbenzene
Concen: 218.992 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

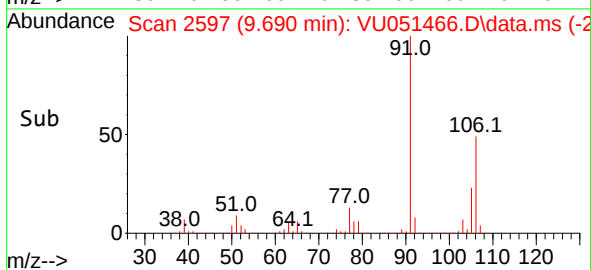
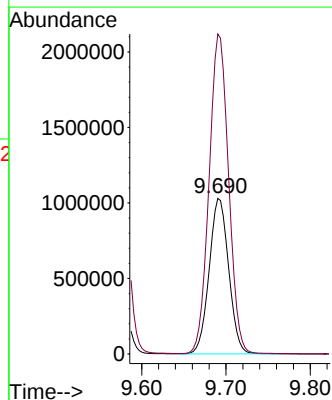
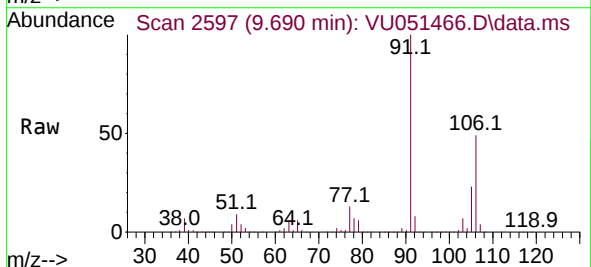
Instrument :
MSVOA_U
ClientSampleId :

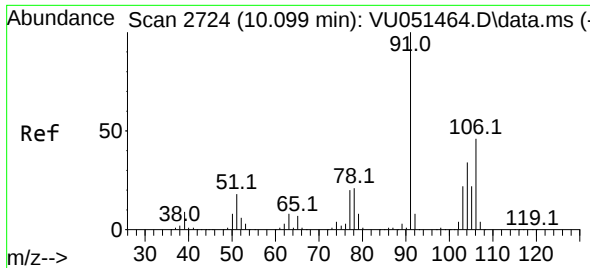
Tgt Ion: 91 Resp: 4264957
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.6



#53
m,p-Xylene
Concen: 222.649 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion: 106 Resp: 1652137
Ion Ratio Lower Upper
106 100
91 205.7 141.3 262.3

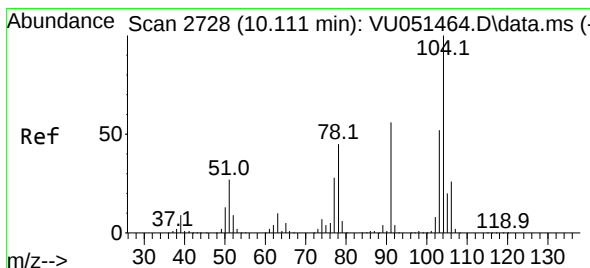
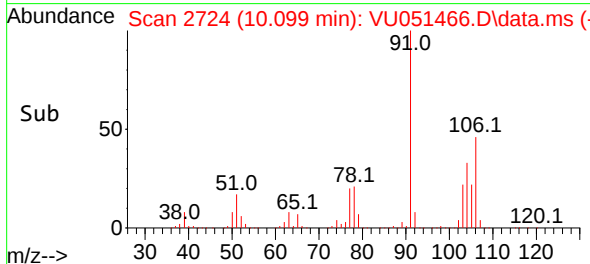
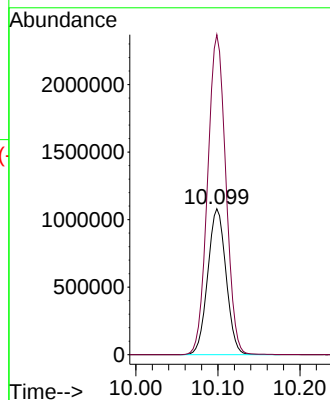
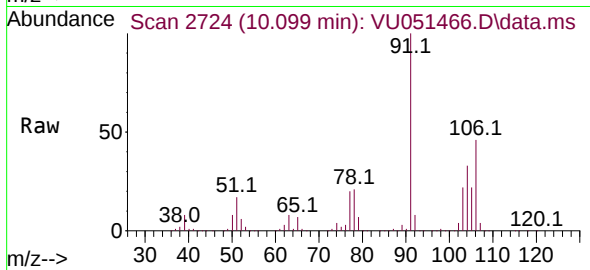




#54
o-Xylene
Concen: 226.205 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

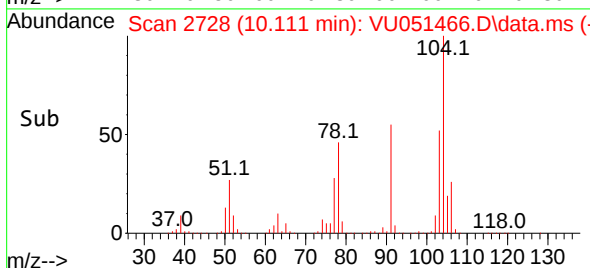
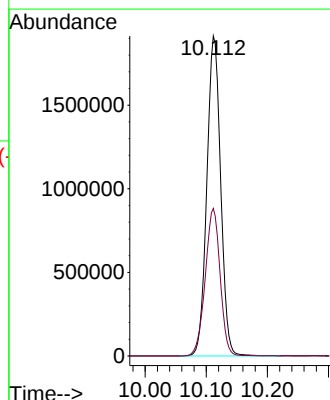
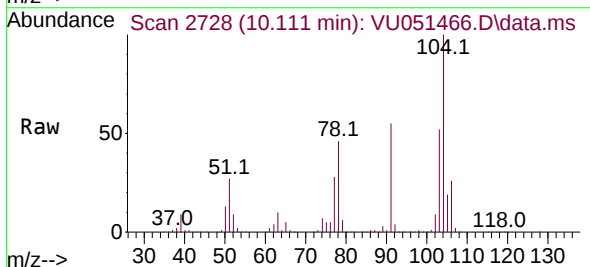
Instrument :
MSVOA_U
ClientSampleId :

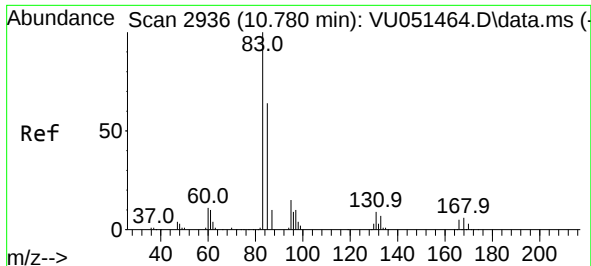
Tgt Ion:106 Resp: 1673439
Ion Ratio Lower Upper
106 100
91 219.4 153.2 284.4



#55
Styrene
Concen: 234.754 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion:104 Resp: 3005008
Ion Ratio Lower Upper
104 100
78 46.1 31.8 59.0

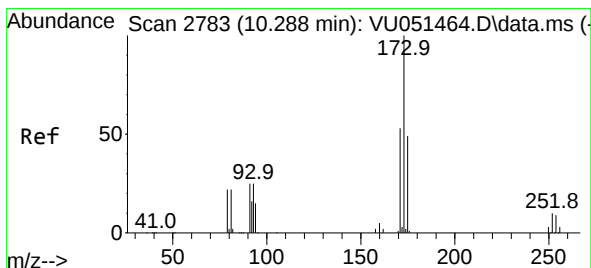
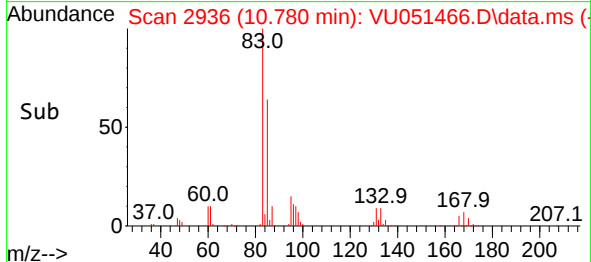
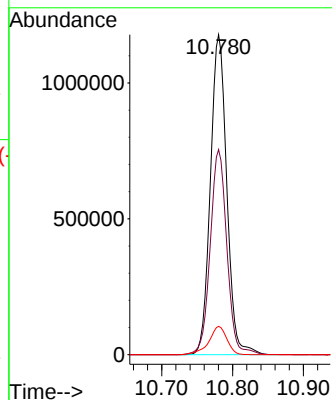
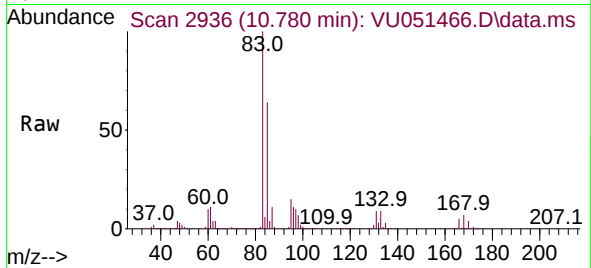




#57
 1,1,2,2-Tetrachloroethane
 Concen: 210.114 ug/L
 RT: 10.780 min Scan# 2936
 Delta R.T. 0.000 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

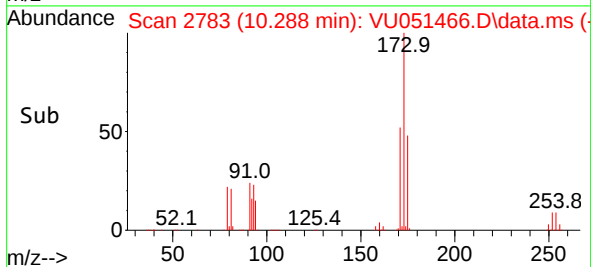
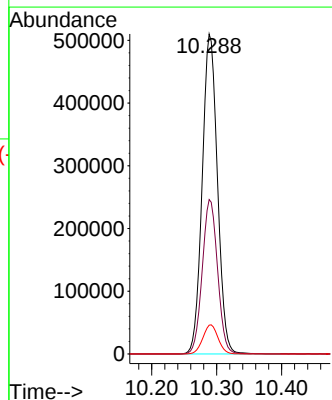
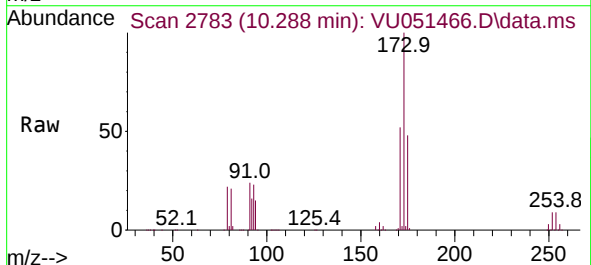
Instrument :
 MSVOA_U
 ClientSampleId :

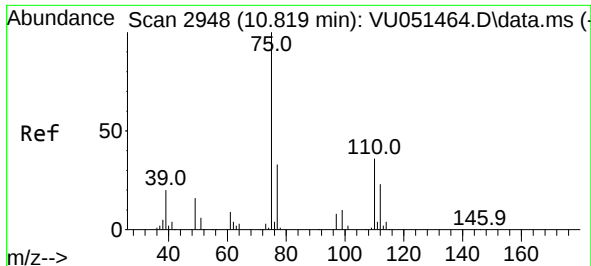
Tgt Ion: 83 Resp: 1888631
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.5
 131 8.9 7.4 11.2



#59
 Bromoform
 Concen: 180.014 ug/L
 RT: 10.288 min Scan# 2783
 Delta R.T. 0.000 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

Tgt Ion:173 Resp: 833114
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.4 57.6
 254 9.1 7.8 11.6

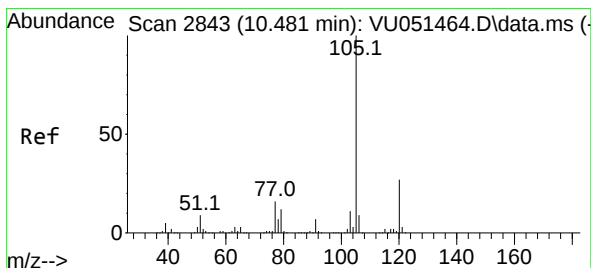
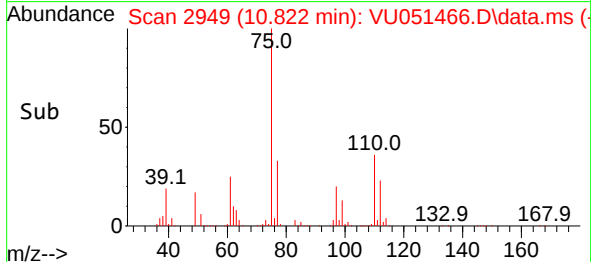
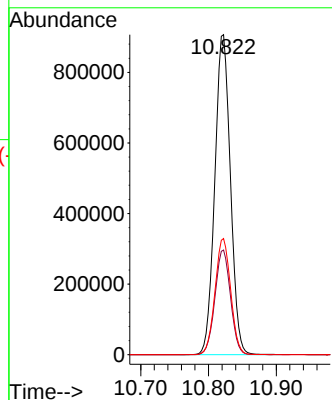
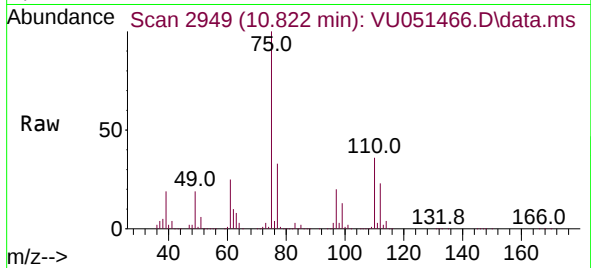




#60
1,2,3-Trichloropropane
Concen: 174.244 ug/L
RT: 10.822 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

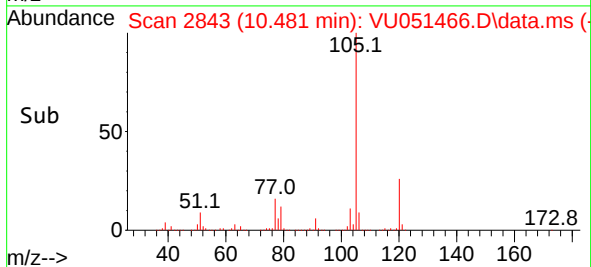
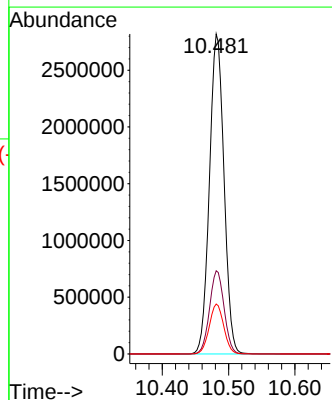
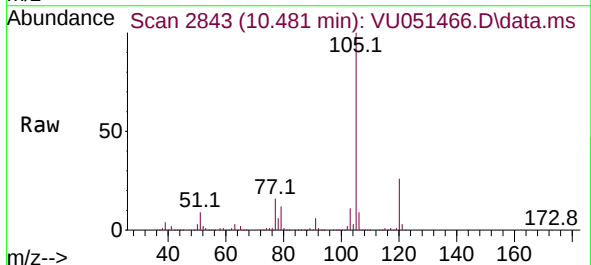
Instrument :
MSVOA_U
ClientSampleId :

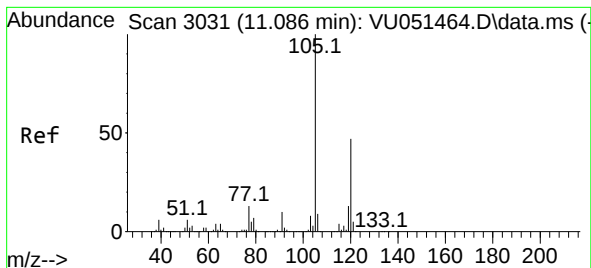
Tgt Ion: 75 Resp: 1450881
Ion Ratio Lower Upper
75 100
77 32.5 26.1 39.1
110 36.4 28.7 43.1



#61
Isopropylbenzene
Concen: 209.112 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion:105 Resp: 4297333
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 15.6 12.6 19.0





#62

1,3,5-Trimethylbenzene

Concen: 236.317 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

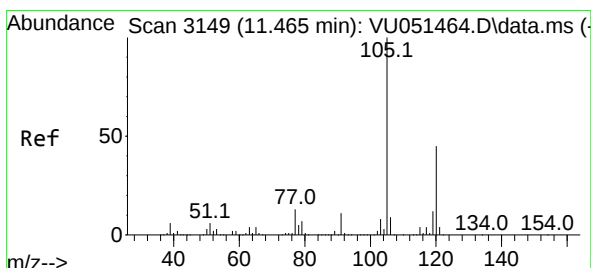
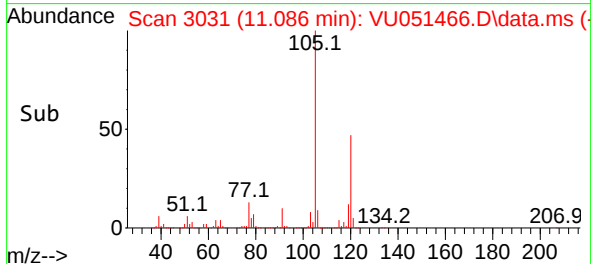
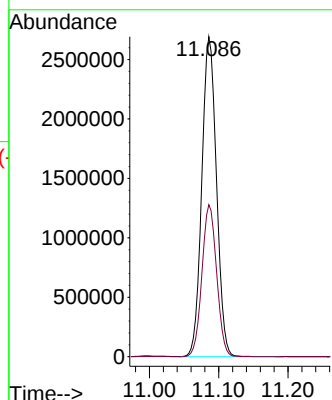
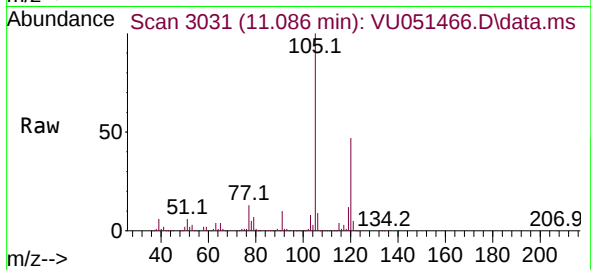
ClientSampleId :

Tgt Ion:105 Resp: 3951583

Ion Ratio Lower Upper

105 100

120 47.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 232.409 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. 0.000 min

Lab File: VU051466.D

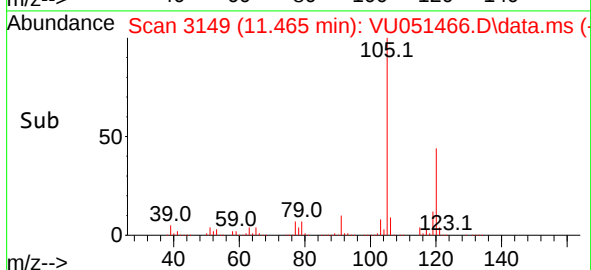
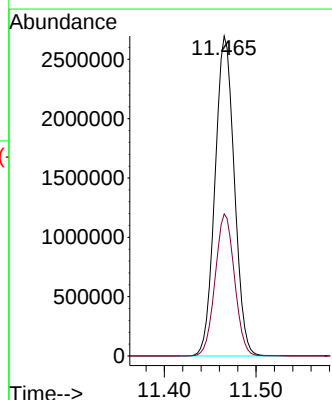
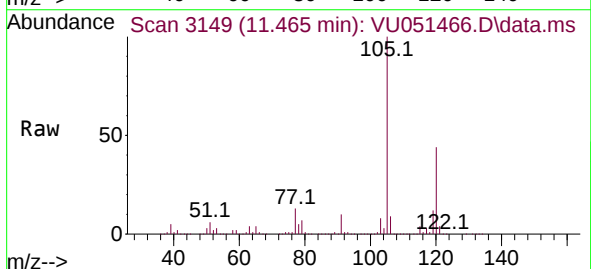
Acq: 20 Oct 2022 11:33

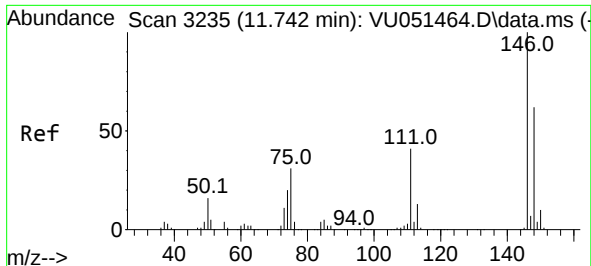
Tgt Ion:105 Resp: 3948197

Ion Ratio Lower Upper

105 100

120 44.5 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 190.593 ug/L

RT: 11.742 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

ClientSampleId :

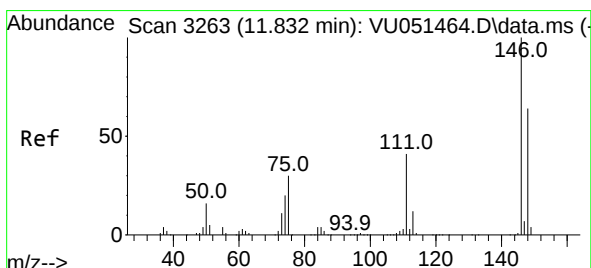
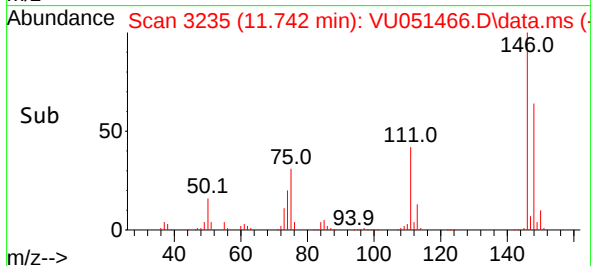
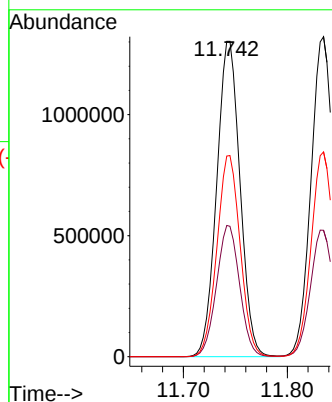
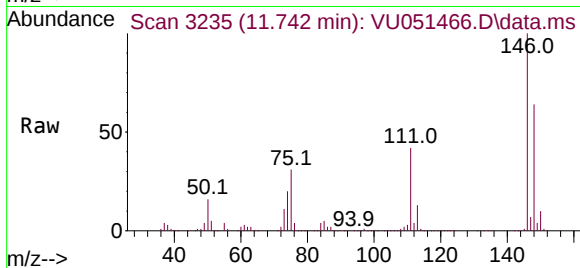
Tgt Ion:146 Resp: 2033063

Ion Ratio Lower Upper

146 100

111 41.6 28.7 53.3

148 63.6 43.2 80.2



#65

1,4-Dichlorobenzene

Concen: 192.096 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.003 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

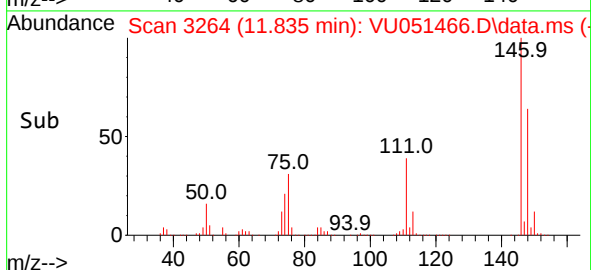
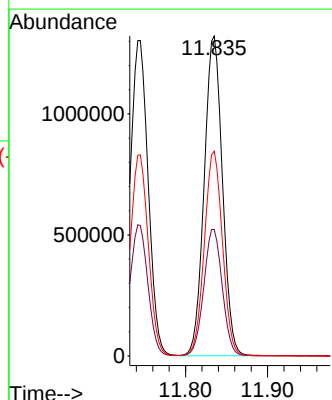
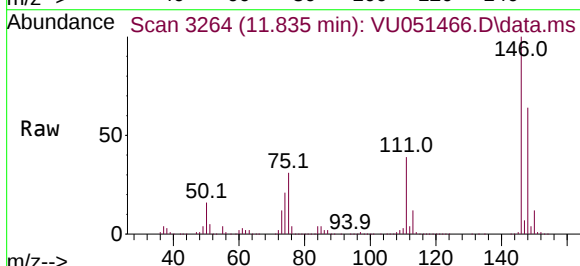
Tgt Ion:146 Resp: 2039155

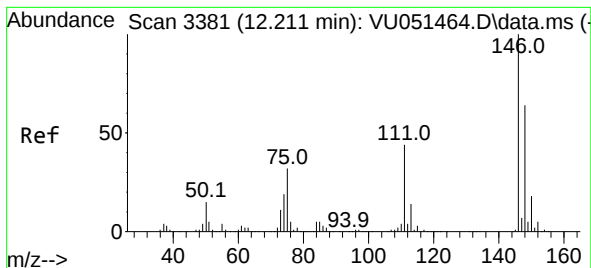
Ion Ratio Lower Upper

146 100

111 39.5 28.9 53.7

148 64.0 44.6 82.8





#67

1,2-Dichlorobenzene

Concen: 191.546 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

Instrument :

MSVOA_U

ClientSampleId :

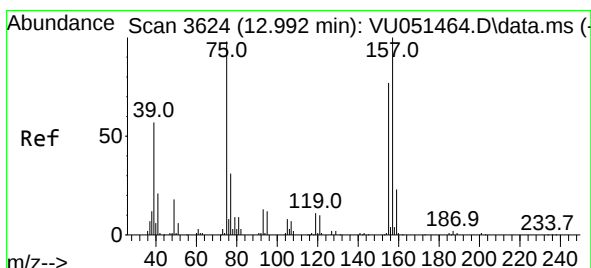
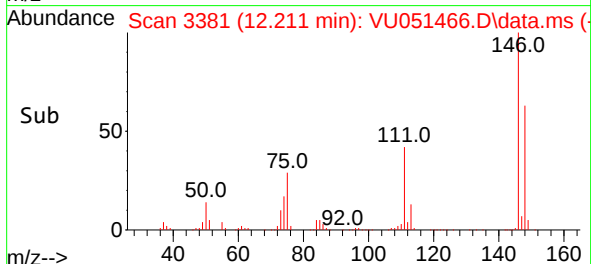
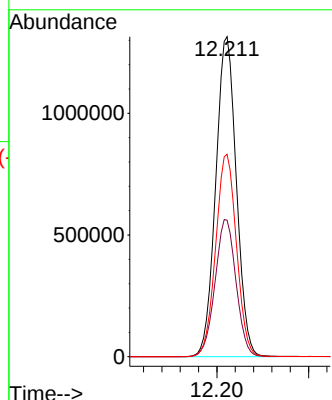
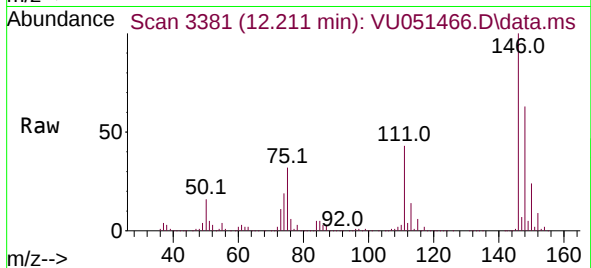
Tgt Ion:146 Resp: 2052830

Ion Ratio Lower Upper

146 100

111 42.6 35.3 52.9

148 63.2 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 178.081 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU051466.D

Acq: 20 Oct 2022 11:33

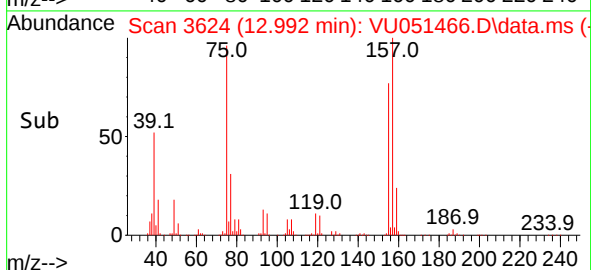
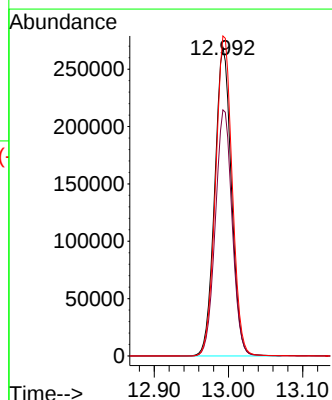
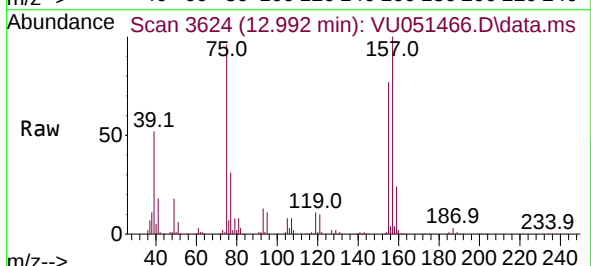
Tgt Ion: 75 Resp: 421275

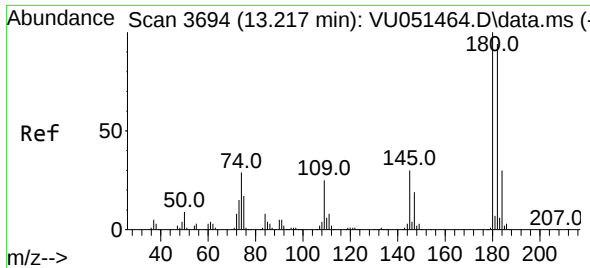
Ion Ratio Lower Upper

75 100

155 79.8 62.5 93.7

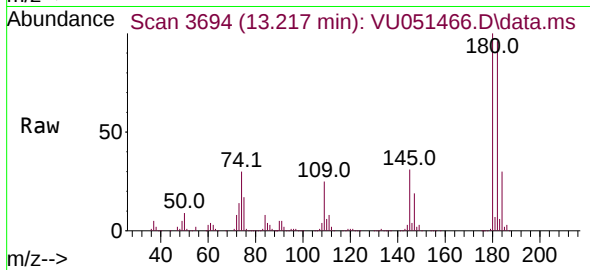
157 103.8 81.6 122.4



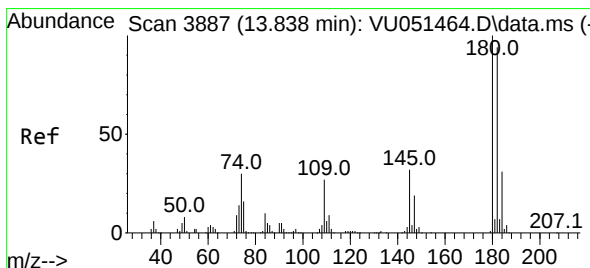
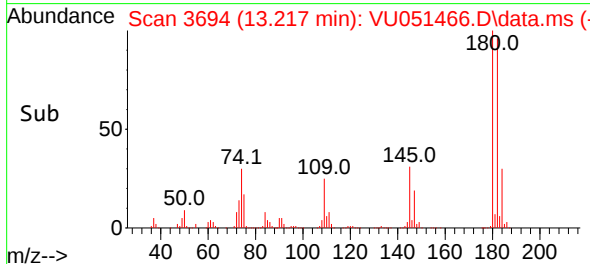
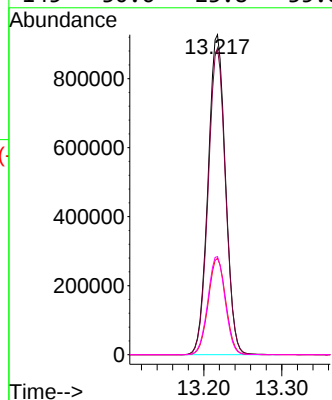


#69
 1,3,5-Trichlorobenzene
 Concen: 202.102 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

Instrument :
 MSVOA_U
 ClientSampleId :

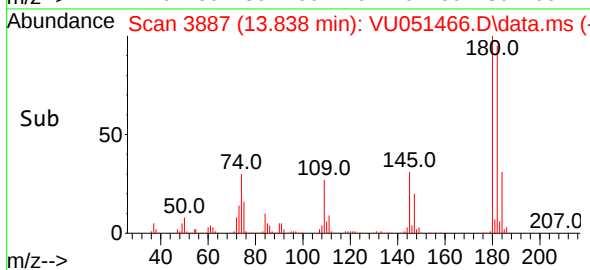
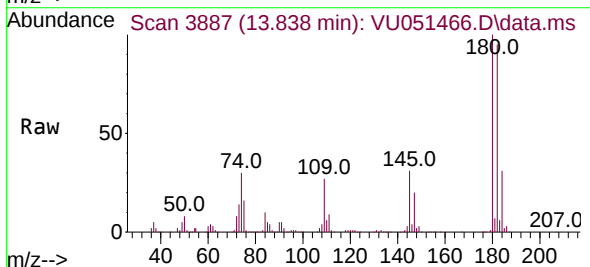
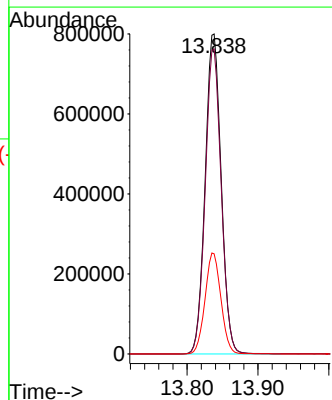


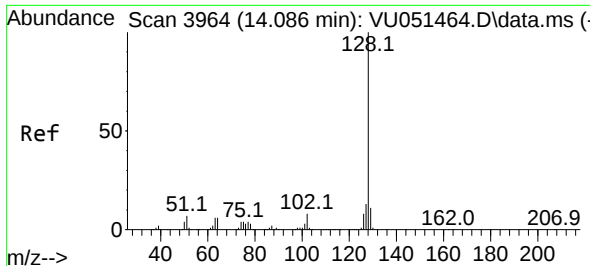
Tgt Ion:180 Resp: 1440636
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.6 113.4
 184 30.3 23.9 35.9
 145 30.6 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 217.270 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU051466.D
 Acq: 20 Oct 2022 11:33

Tgt Ion:180 Resp: 1255244
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.4
 145 31.3 25.0 37.6

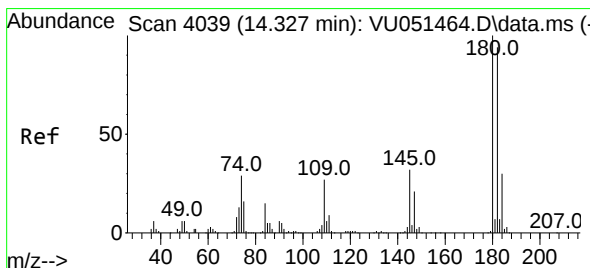
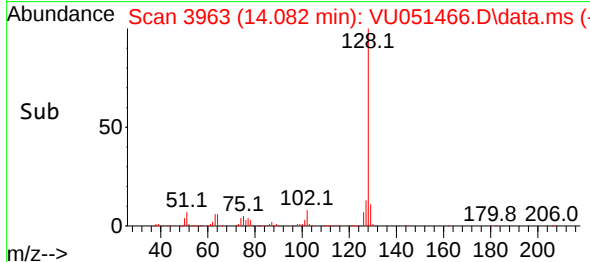
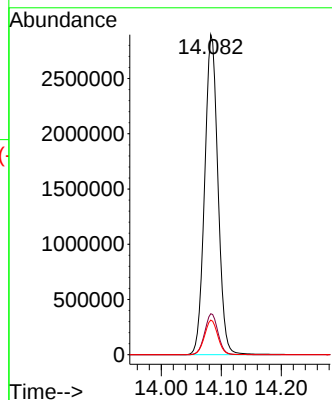
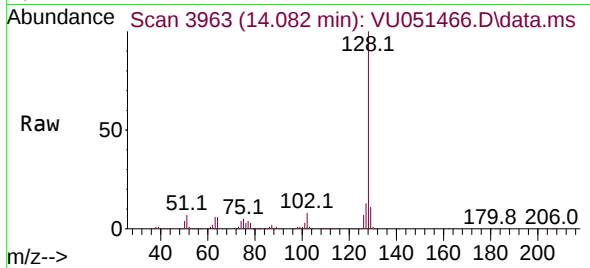




#71
Naphthalene
Concen: 219.411 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.003 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 4471599
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 200.282 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU051466.D
Acq: 20 Oct 2022 11:33

Tgt Ion:180 Resp: 1293644
Ion Ratio Lower Upper
180 100
182 95.4 75.4 113.2
145 33.0 25.3 37.9

