

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092222\
 Data File : VU050912.D
 Acq On : 22 Sep 2022 20:46
 Operator : JC/MD
 Sample : N4747-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45A0MSD

Quant Time: Sep 23 01:14:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	477243	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	466828	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	232354	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	140073	28.329	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	56.660%#
7) Chloroethane-d5	1.906	69	123360	35.031	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.060%
11) 1,1-Dichloroethene-d2	2.568	63	268507	34.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.800%
21) 2-Butanone-d5	4.617	46	338170	105.936	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.940%
24) Chloroform-d	5.060	84	314857	40.633	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.260%
26) 1,2-Dichloroethane-d4	5.700	65	193401	40.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.000%
32) Benzene-d6	5.726	84	578936	37.651	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.300%
36) 1,2-Dichloropropane-d6	6.687	67	204658	39.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.860%
41) Toluene-d8	7.896	98	504644	37.546	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.100%#
43) trans-1,3-Dichloroprop...	8.176	79	88050	38.997	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.000%
47) 2-Hexanone-d5	8.629	63	210287	98.316	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.320%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	354497	44.799	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	195794	40.246	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	206533	41.794	ug/L	99
3) Chloromethane	1.520	50	258315	44.964	ug/L	99
5) Vinyl chloride	1.604	62	255114	45.359	ug/L	99
6) Bromomethane	1.845	94	147942	52.068	ug/L	100
8) Chloroethane	1.929	64	152632	49.015	ug/L	99
9) Trichlorofluoromethane	2.134	101	285423	46.786	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	168046	43.036	ug/L	100
12) 1,1-Dichloroethene	2.578	96	167089	45.541	ug/L	89
13) Acetone	2.620	43	236511	87.501	ug/L	98
14) Carbon disulfide	2.790	76	528741	45.573	ug/L	99
15) Methyl Acetate	2.941	43	240571	47.162	ug/L	98
16) Methylene chloride	3.041	84	213845	41.976	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	183393	48.768	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	571570	49.858	ug/L	99
19) 1,1-Dichloroethane	3.867	63	362520	47.710	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	213588	51.226	ug/L	99
22) 2-Butanone	4.694	43	378264	106.168	ug/L	100
23) Bromochloromethane	4.973	128	107058	48.991	ug/L	94
25) Chloroform	5.086	83	371228	49.022	ug/L	100

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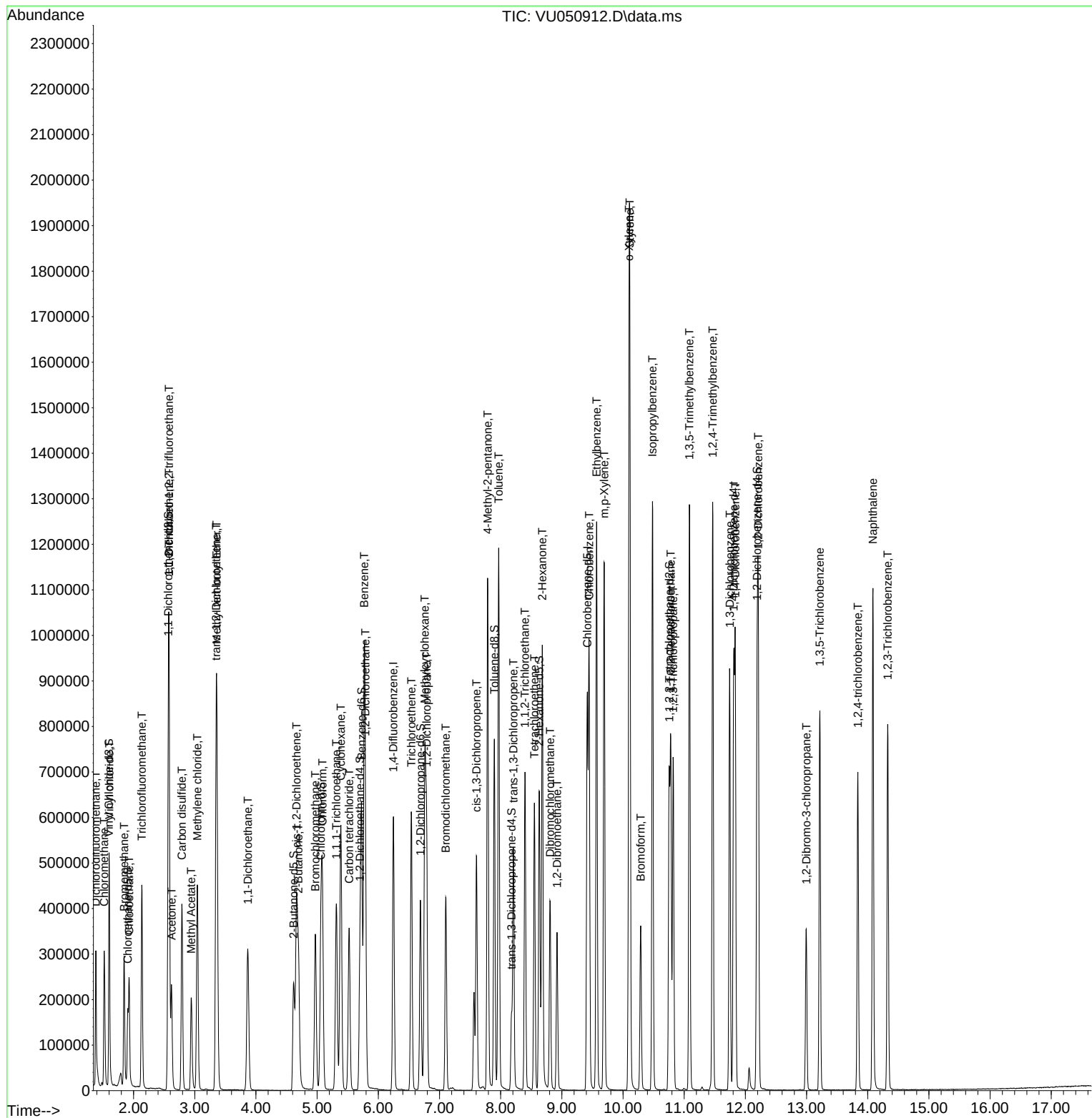
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	286374	49.762	ug/L	99
29) Cyclohexane	5.388	56	280453	43.655	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	299062	48.154	ug/L	99
31) Carbon tetrachloride	5.523	117	241491	46.806	ug/L	100
33) Benzene	5.771	78	831150	48.379	ug/L	100
34) Trichloroethene	6.539	95	211325	52.955	ug/L	99
35) Methylcyclohexane	6.761	83	277115	43.097	ug/L	98
37) 1,2-Dichloropropane	6.790	63	225252	47.914	ug/L	99
38) Bromodichloromethane	7.102	83	280039	49.997	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	306924	48.788	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	700479	108.118	ug/L	99
42) Toluene	7.967	91	863244	50.615	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	292752	48.919	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	213153	49.201	ug/L	99
46) Tetrachloroethene	8.552	164	135698	47.318	ug/L	99
48) 2-Hexanone	8.681	43	578312	106.824	ug/L	99
49) Dibromochloromethane	8.809	129	215088	50.634	ug/L	99
50) 1,2-Dibromoethane	8.922	107	226259	50.337	ug/L	99
51) Chlorobenzene	9.446	112	507156	48.708	ug/L	99
52) Ethylbenzene	9.568	91	851908	50.070	ug/L	99
53) m,p-Xylene	9.693	106	328736	51.970	ug/L	100
54) o-Xylene	10.099	106	323985	51.405	ug/L	99
55) Styrene	10.111	104	572440	52.975	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	384527	47.967	ug/L	99
59) Bromoform	10.288	173	161588	48.182	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	307902	47.112	ug/L	99
61) Isopropylbenzene	10.481	105	811230	48.855	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	677998	49.670	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	685405	50.703	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	367981	48.461	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	369839	47.975	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	390724	48.596	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	92988	51.731	ug/L	100
69) 1,3,5-Trichlorobenzene	13.217	180	254574	47.917	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	210524	48.421	ug/L	99
71) Naphthalene	14.086	128	860896	51.521	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	243429	50.026	ug/L	100

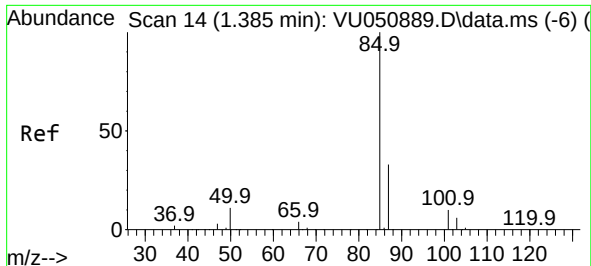
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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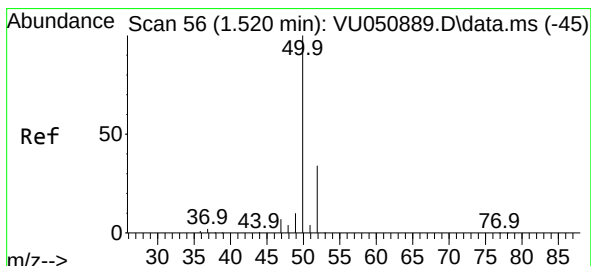
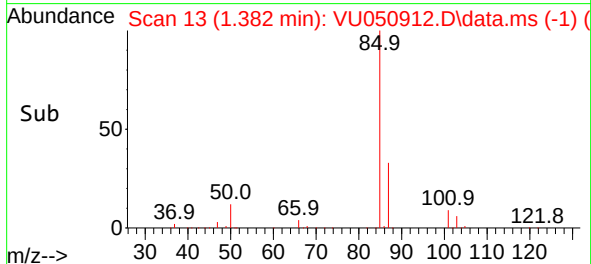
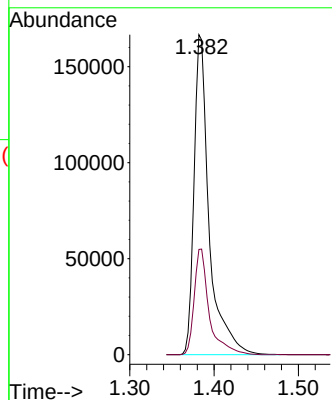
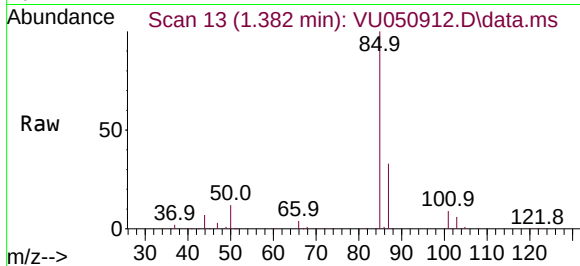




#2
 Dichlorodifluoromethane
 Concen: 41.794 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU050912.D
 Acq: 22 Sep 2022 20:46

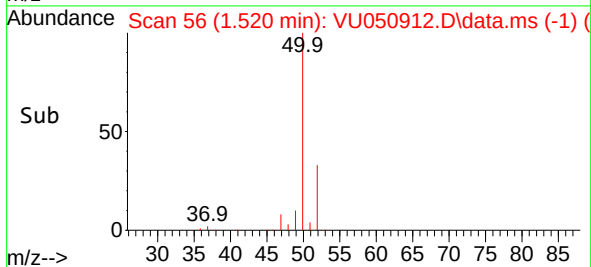
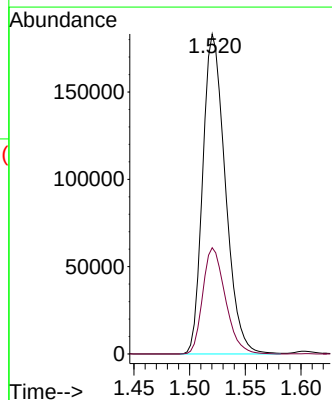
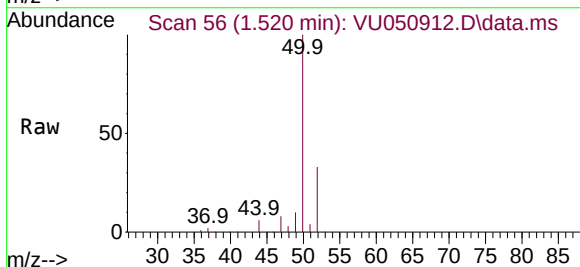
Instrument :
 MSVOA_U
 ClientSampleId :
 E45A0MSD

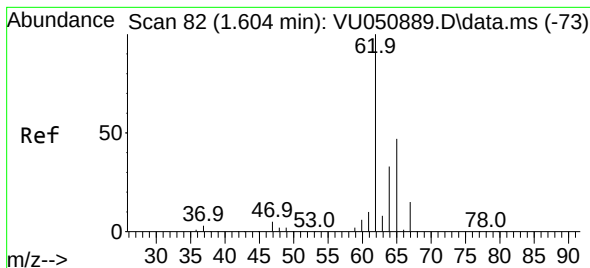
Tgt Ion: 85 Resp: 206533
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.8 38.8



#3
 Chloromethane
 Concen: 44.964 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU050912.D
 Acq: 22 Sep 2022 20:46

Tgt Ion: 50 Resp: 258315
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.7 43.9





#5

Vinyl chloride

Concen: 45.359 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

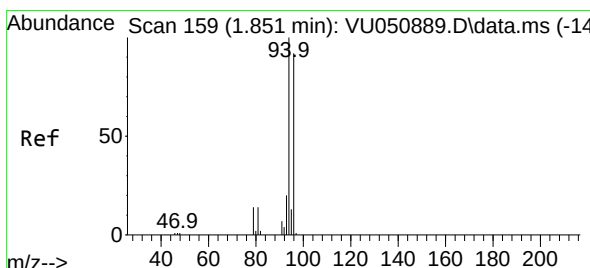
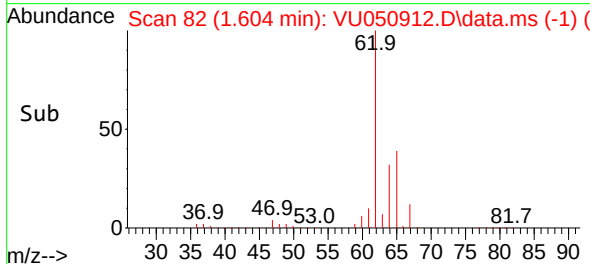
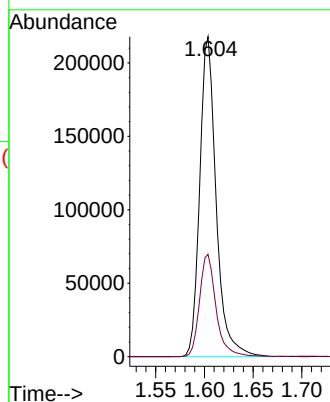
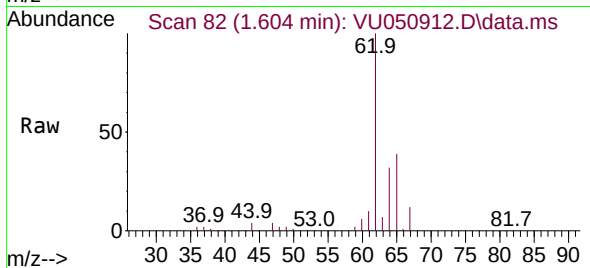
E45A0MSD

Tgt Ion: 62 Resp: 255114

Ion Ratio Lower Upper

62 100

64 32.0 22.2 41.2



#6

Bromomethane

Concen: 52.068 ug/L

RT: 1.845 min Scan# 157

Delta R.T. -0.006 min

Lab File: VU050912.D

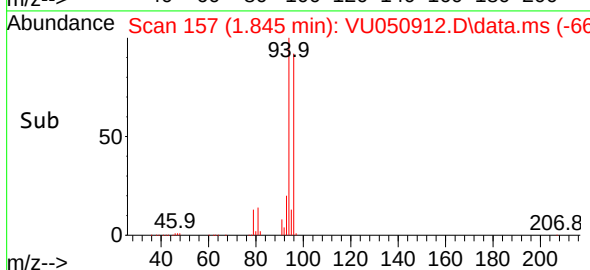
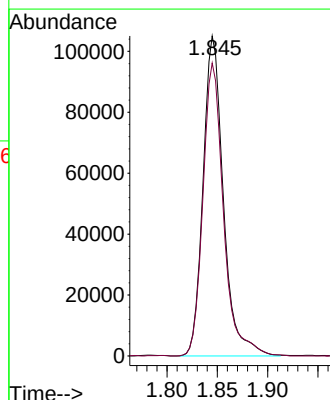
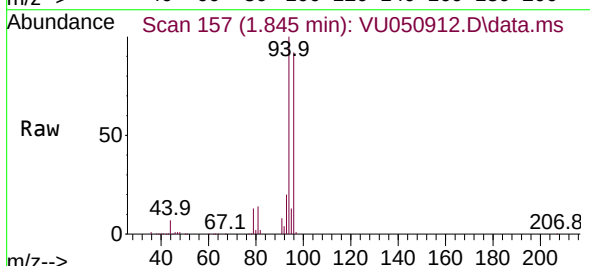
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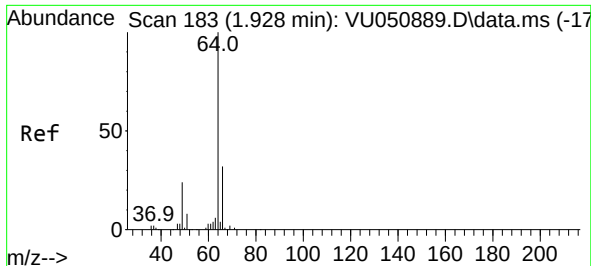
Tgt Ion: 94 Resp: 147942

Ion Ratio Lower Upper

94 100

96 91.6 64.0 119.0

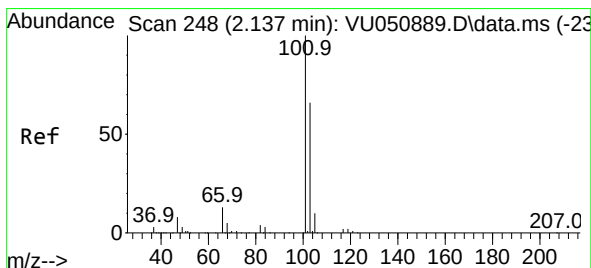
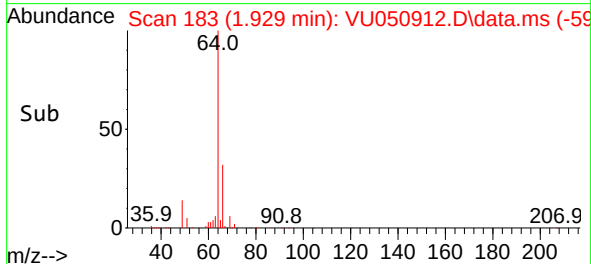
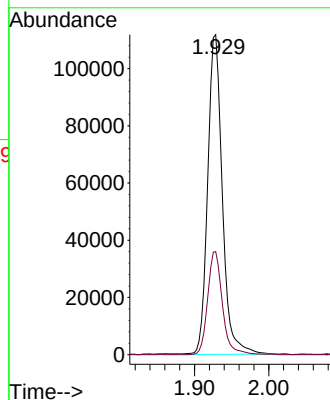
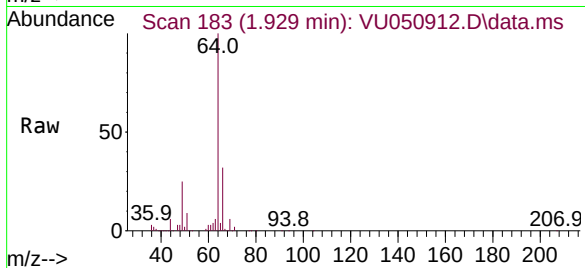




#8
Chloroethane
Concen: 49.015 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

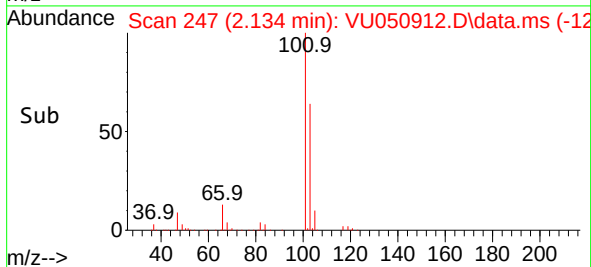
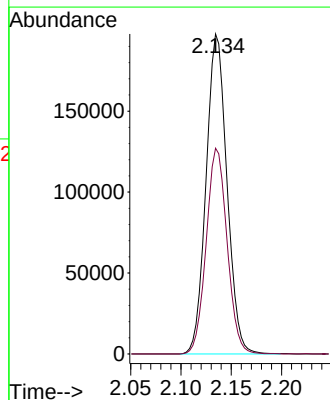
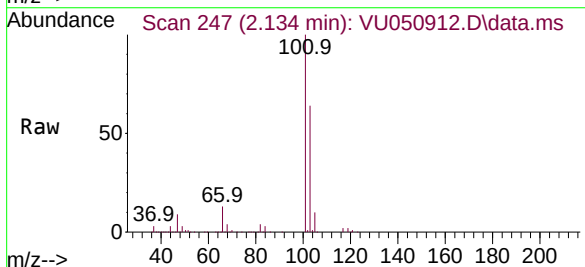
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E45A0MSD

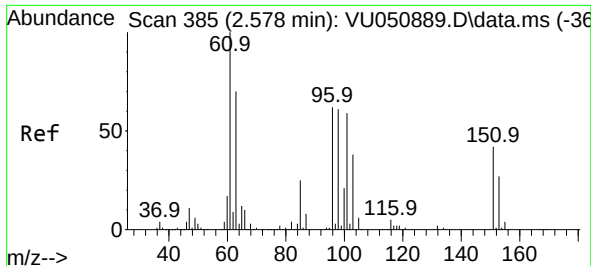
Tgt Ion: 64 Resp: 152632
Ion Ratio Lower Upper
64 100
66 32.2 22.9 42.5



#9
Trichlorofluoromethane
Concen: 46.786 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 101 Resp: 285423
Ion Ratio Lower Upper
101 100
103 64.3 50.9 76.3

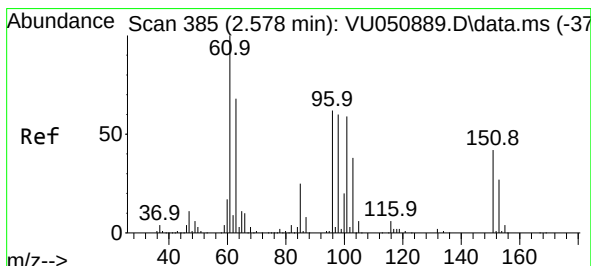
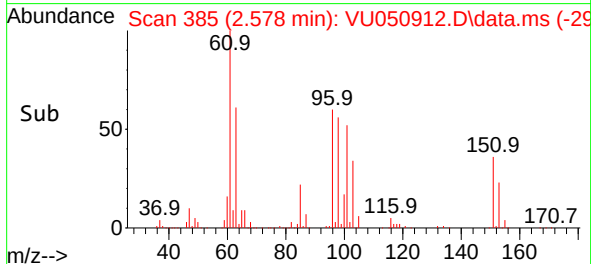
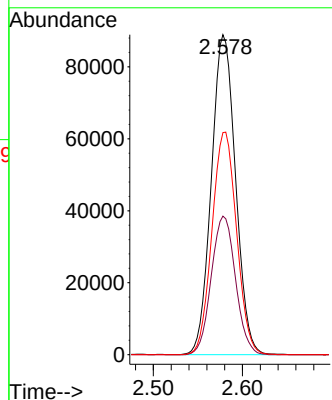
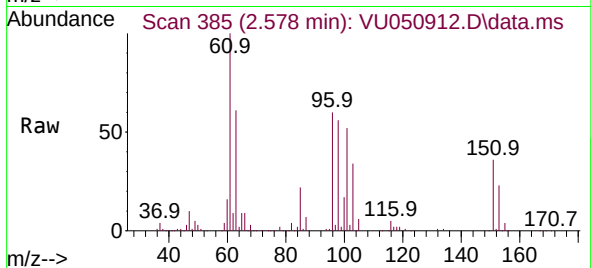




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.036 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050912.D
 Acq: 22 Sep 2022 20:46

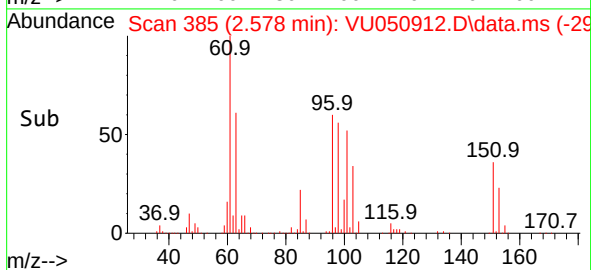
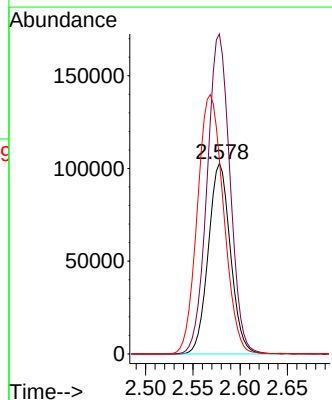
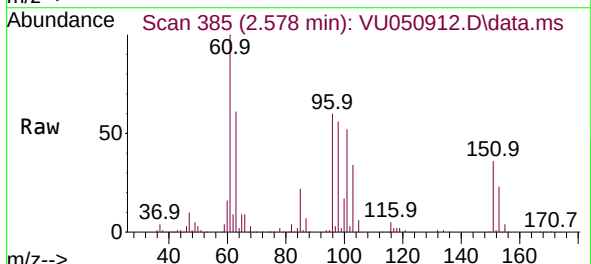
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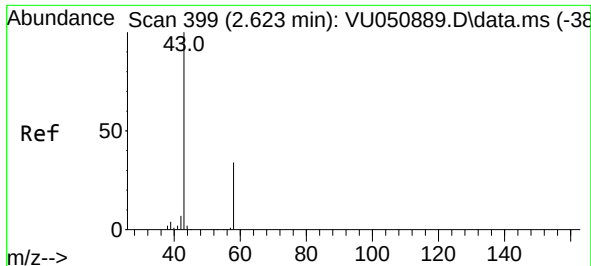
Tgt Ion:101 Resp: 168046
 Ion Ratio Lower Upper
 101 100
 85 43.3 35.1 52.7
 151 70.8 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 45.541 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU050912.D
 Acq: 22 Sep 2022 20:46

Tgt Ion: 96 Resp: 167089
 Ion Ratio Lower Upper
 96 100
 61 168.0 118.6 220.2
 63 102.0 90.4 168.0





#13

Acetone

Concen: 87.501 ug/L

RT: 2.620 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

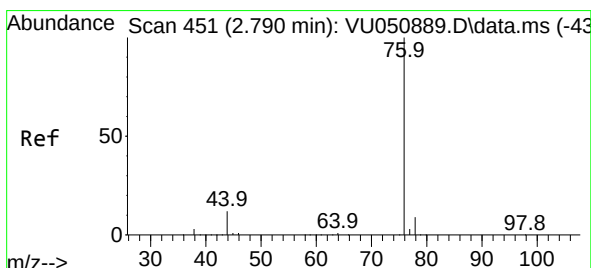
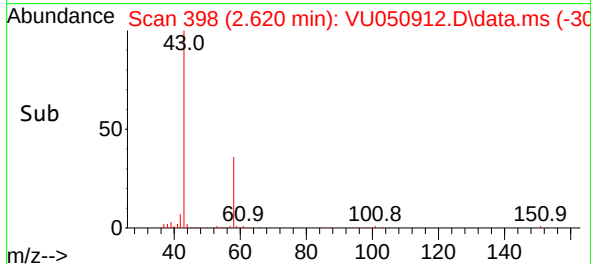
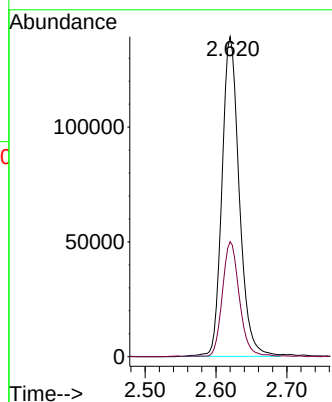
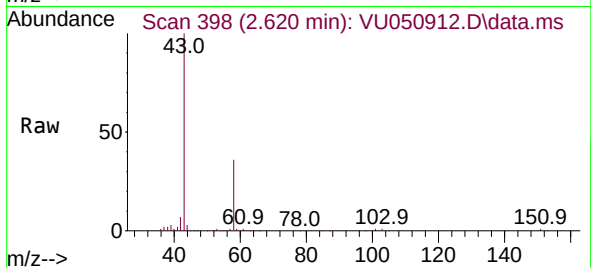
E45A0MSD

Tgt Ion: 43 Resp: 236511

Ion Ratio Lower Upper

43 100

58 34.7 0.0 71.4



#14

Carbon disulfide

Concen: 45.573 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050912.D

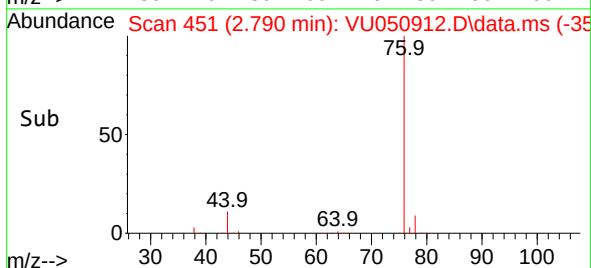
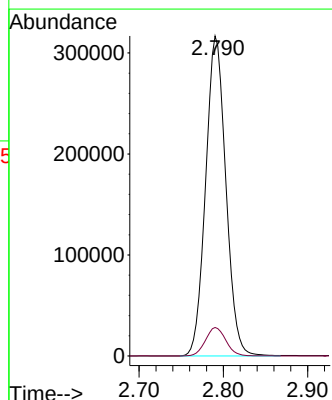
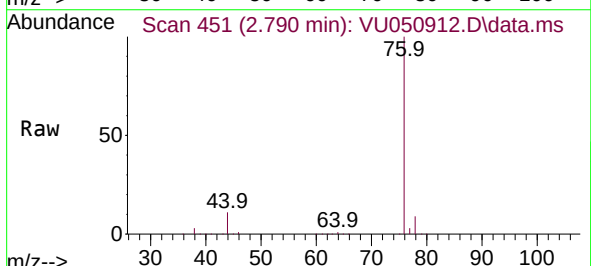
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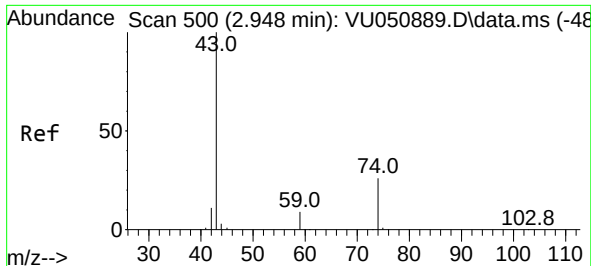
Tgt Ion: 76 Resp: 528741

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

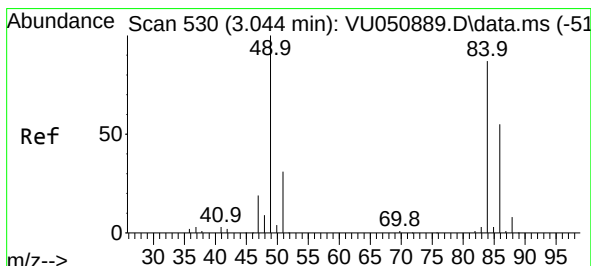
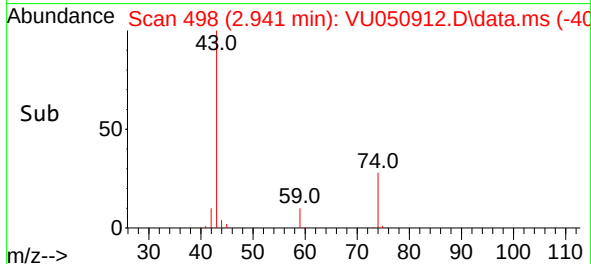
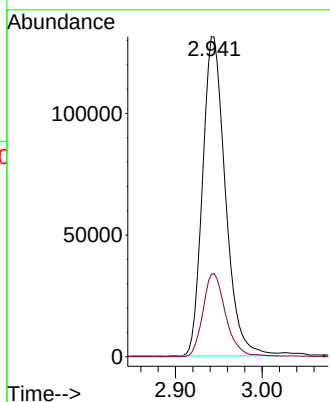
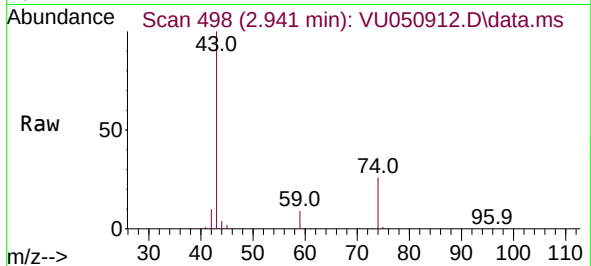




#15
Methyl Acetate
Concen: 47.162 ug/L
RT: 2.941 min Scan# 498
Delta R.T. -0.006 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

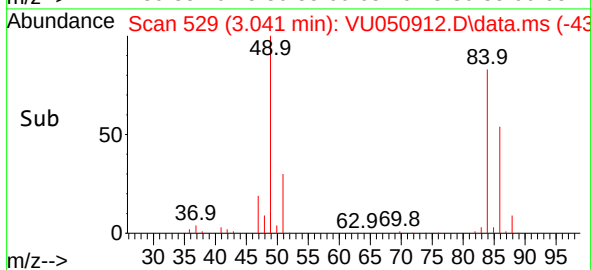
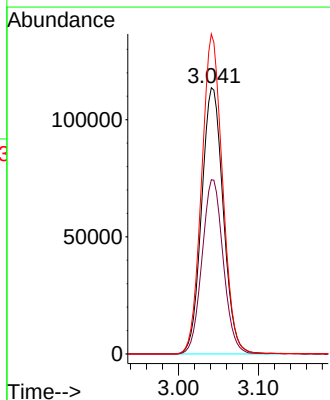
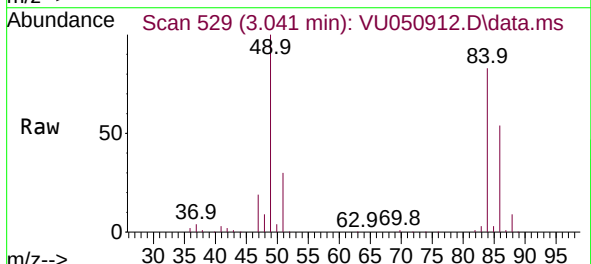
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

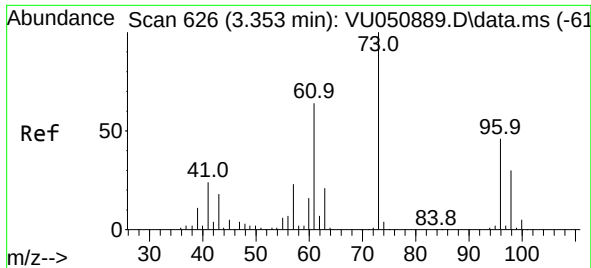
Tgt Ion: 43 Resp: 240571
Ion Ratio Lower Upper
43 100
74 26.0 19.9 29.9



#16
Methylene chloride
Concen: 41.976 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 84 Resp: 213845
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.5
49 120.2 83.3 154.7

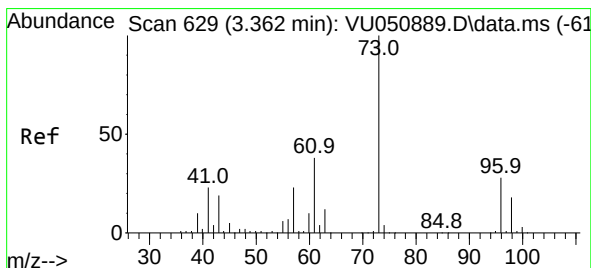
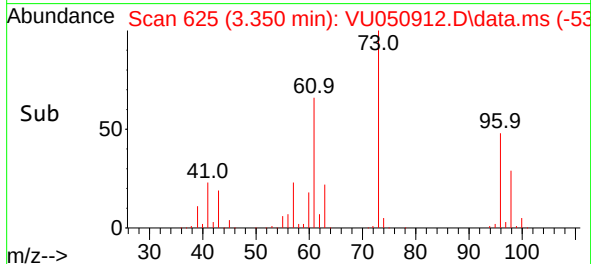
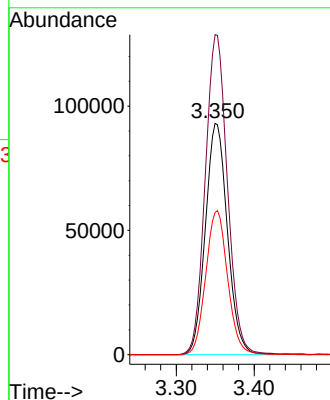
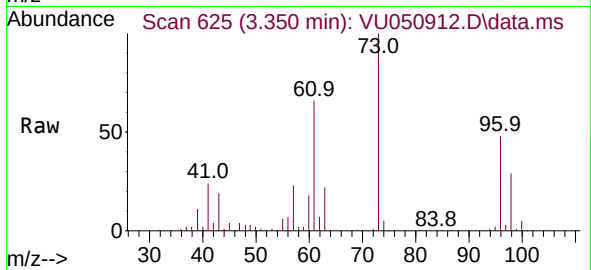




#17
trans-1,2-Dichloroethene
Concen: 48.768 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

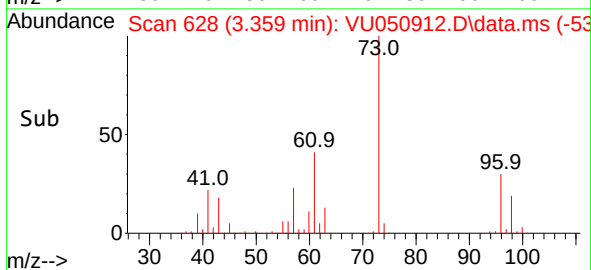
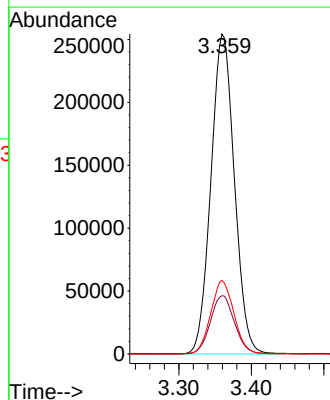
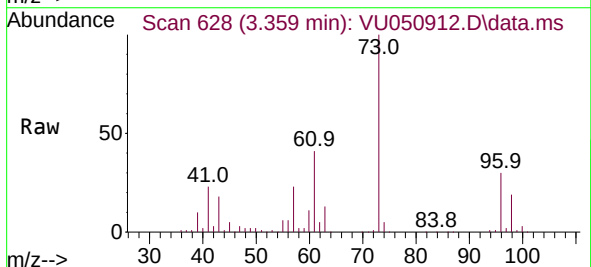
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

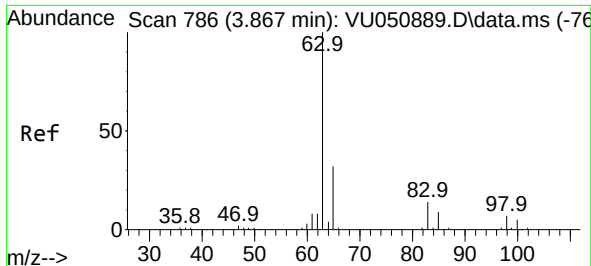
Tgt Ion: 96 Resp: 183393
Ion Ratio Lower Upper
96 100
61 138.3 98.0 182.0
98 61.5 44.3 82.3



#18
Methyl tert-butyl Ether
Concen: 49.858 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 73 Resp: 571570
Ion Ratio Lower Upper
73 100
43 18.5 14.4 21.6
57 22.7 18.6 27.8





#19

1,1-Dichloroethane

Concen: 47.710 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

E45A0MSD

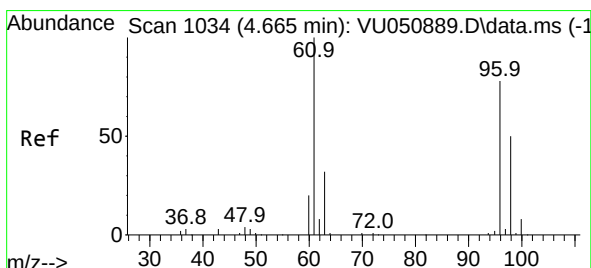
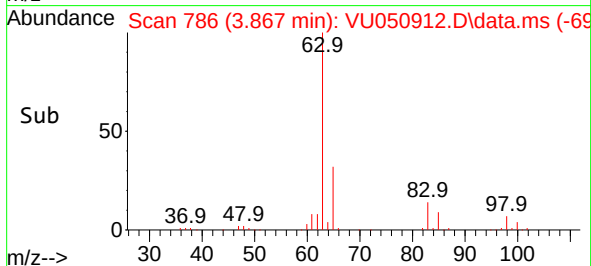
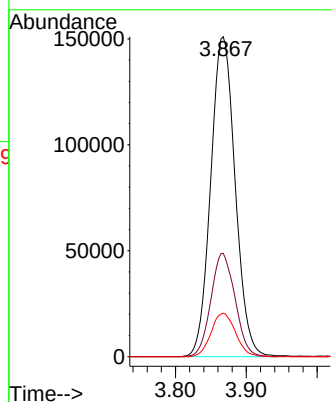
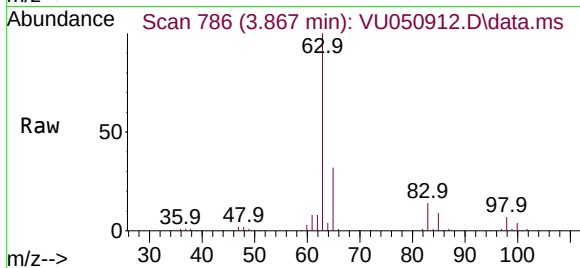
Tgt Ion: 63 Resp: 362520

Ion Ratio Lower Upper

63 100

65 32.3 21.5 39.9

83 13.6 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 51.226 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

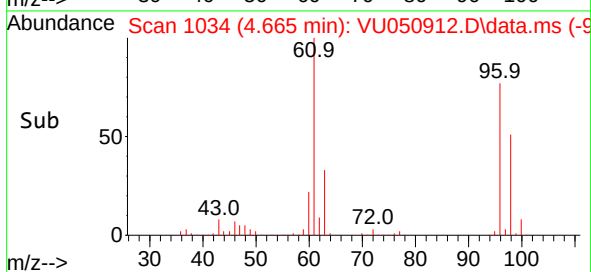
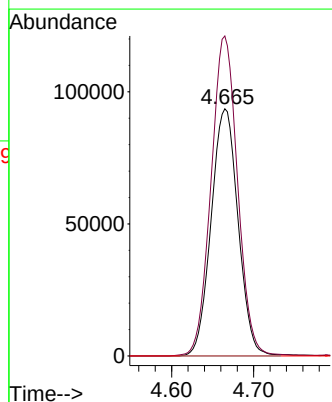
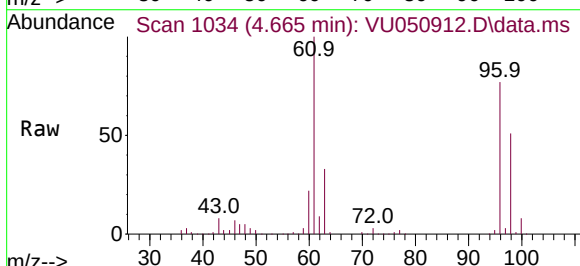
Tgt Ion: 96 Resp: 213588

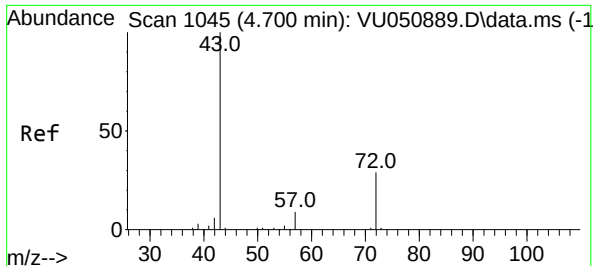
Ion Ratio Lower Upper

96 100

61 129.5 90.1 167.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.168 ug/L

RT: 4.694 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

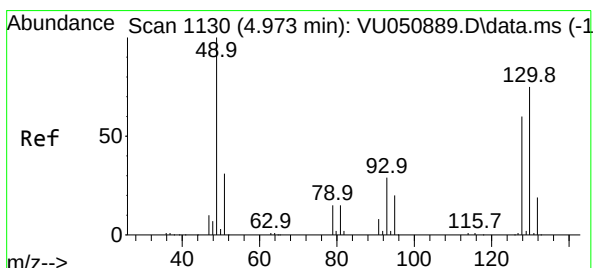
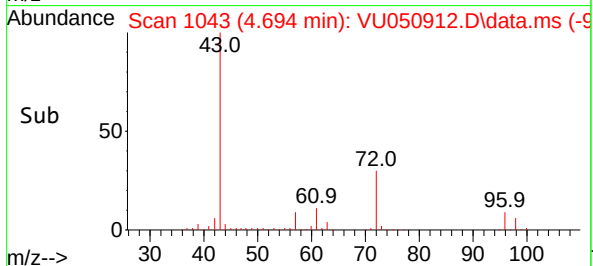
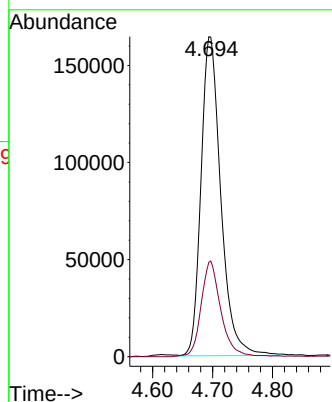
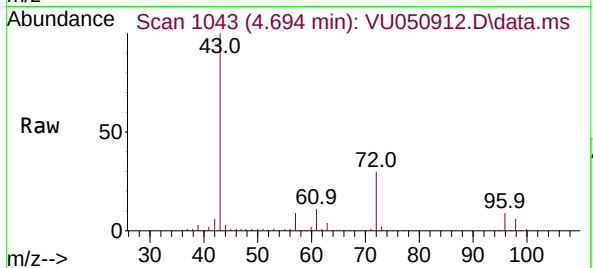
E45A0MSD

Tgt Ion: 43 Resp: 378264

Ion Ratio Lower Upper

43 100

72 29.5 14.8 44.3



#23

Bromochloromethane

Concen: 48.991 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Tgt Ion:128 Resp: 107058

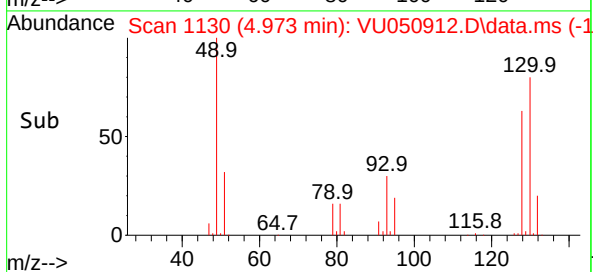
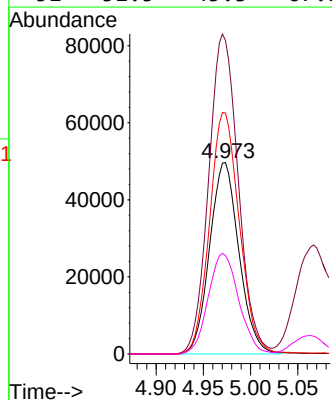
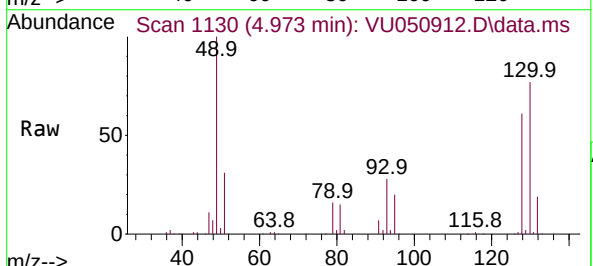
Ion Ratio Lower Upper

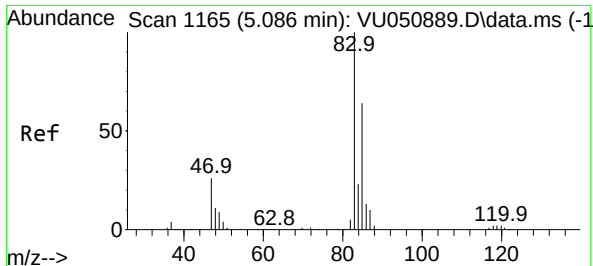
128 100

49 163.8 123.1 228.5

130 126.0 90.9 168.7

51 51.5 45.3 67.9





#25

Chloroform

Concen: 49.022 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

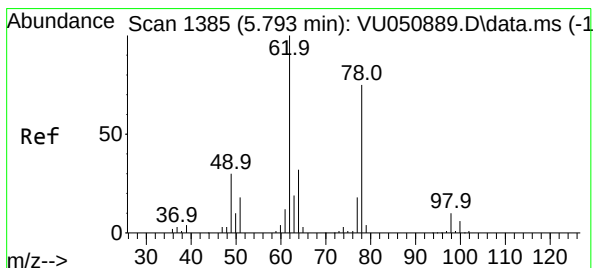
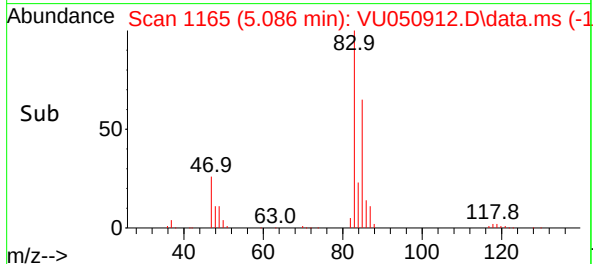
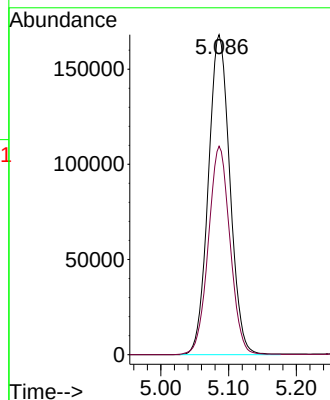
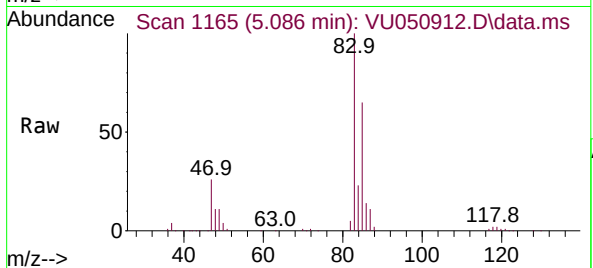
E45A0MSD

Tgt Ion: 83 Resp: 371228

Ion Ratio Lower Upper

83 100

85 65.2 45.7 84.9



#27

1,2-Dichloroethane

Concen: 49.762 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU050912.D

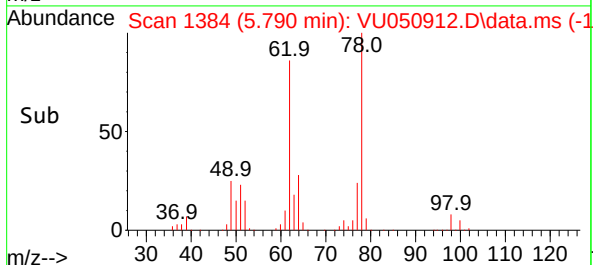
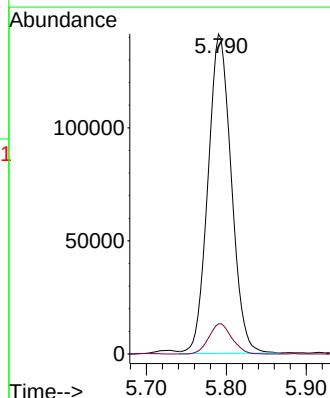
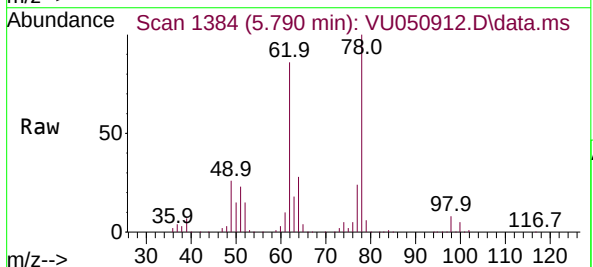
Acq: 22 Sep 2022 20:46

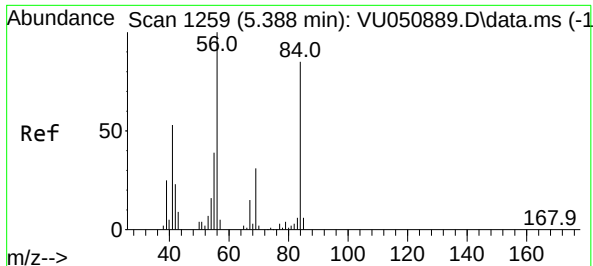
Tgt Ion: 62 Resp: 286374

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.0





#29

Cyclohexane

Concen: 43.655 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

E45A0MSD

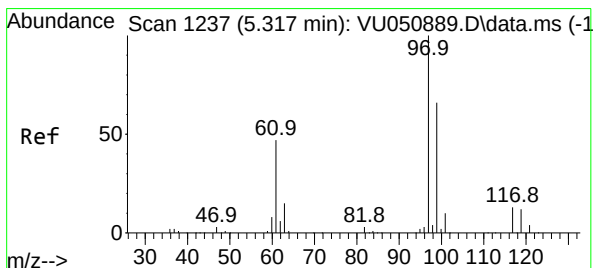
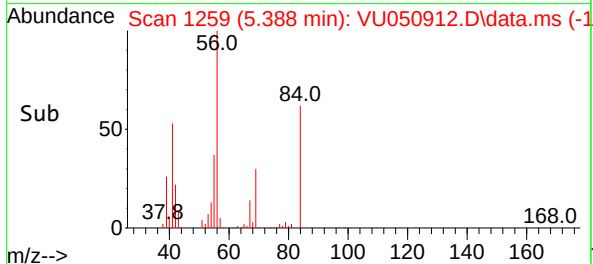
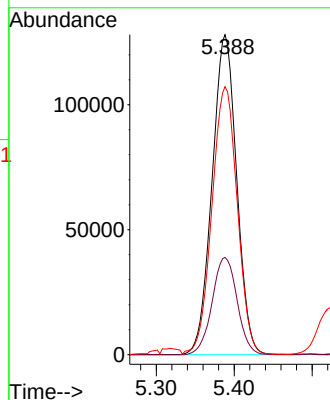
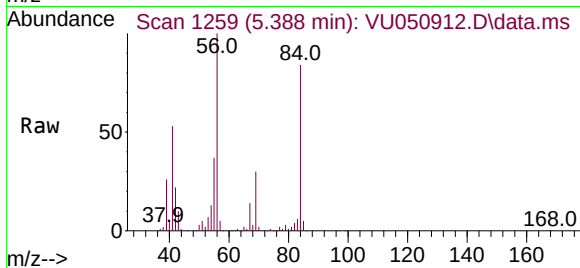
Tgt Ion: 56 Resp: 280453

Ion Ratio Lower Upper

56 100

69 30.9 24.2 36.4

84 86.2 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 48.154 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

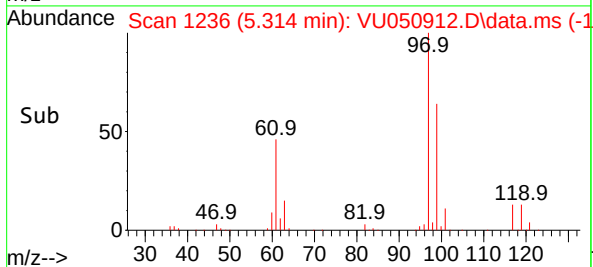
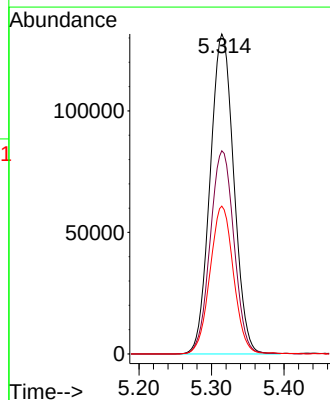
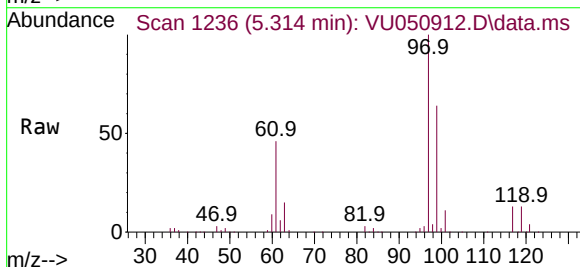
Tgt Ion: 97 Resp: 299062

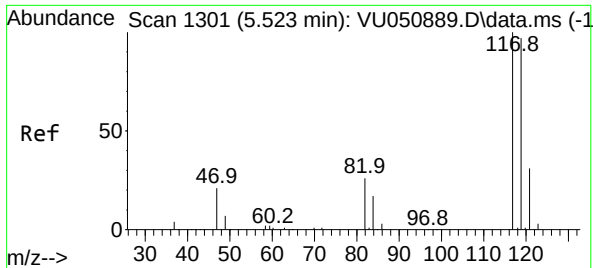
Ion Ratio Lower Upper

97 100

99 63.8 52.2 78.2

61 45.8 37.1 55.7

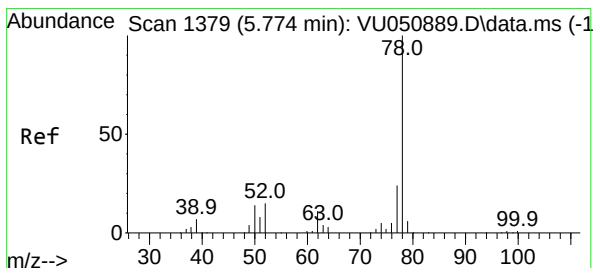
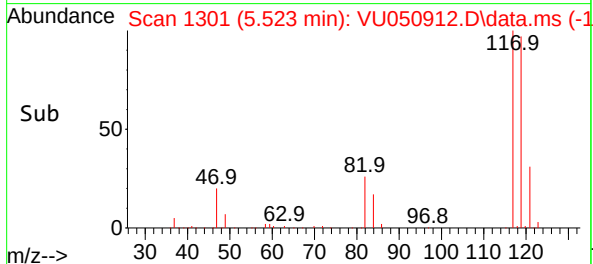
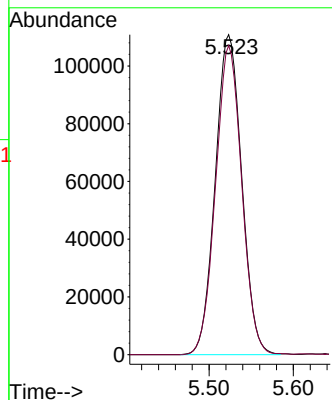
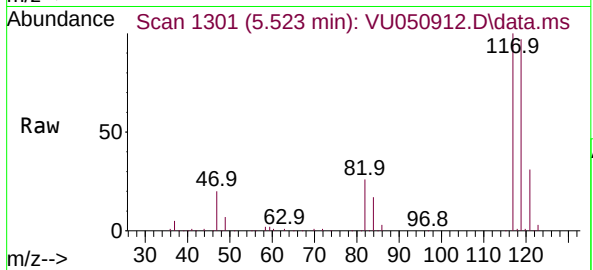




#31
Carbon tetrachloride
Concen: 46.806 ug/L
RT: 5.523 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

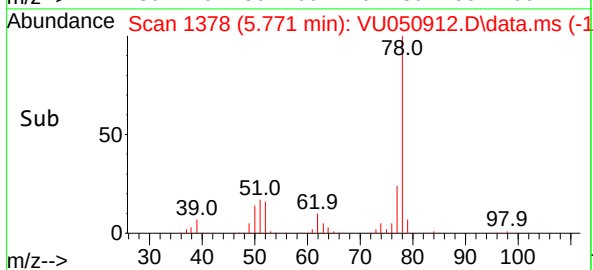
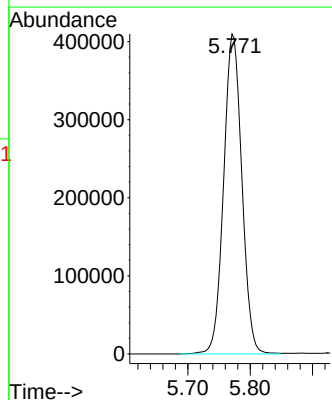
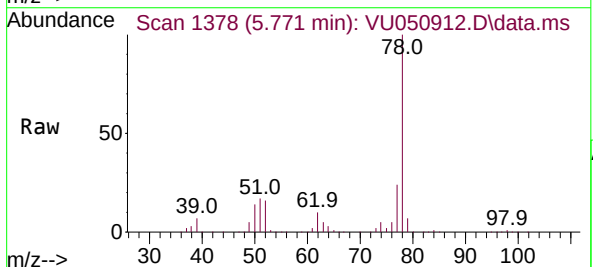
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

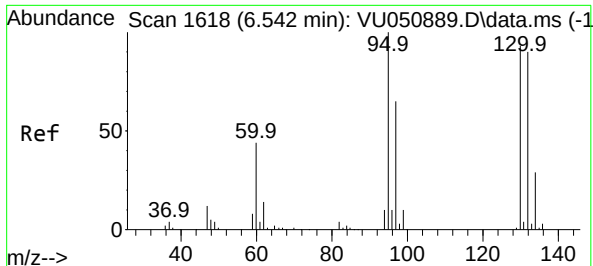
Tgt Ion:117 Resp: 241491
Ion Ratio Lower Upper
117 100
119 95.5 76.0 114.0



#33
Benzene
Concen: 48.379 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 78 Resp: 831150

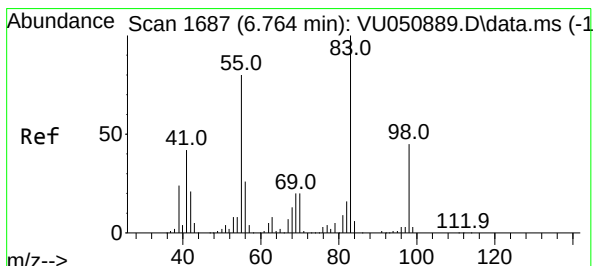
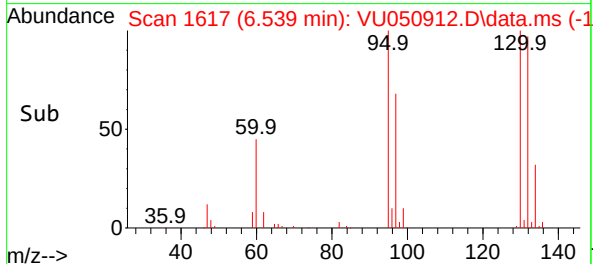
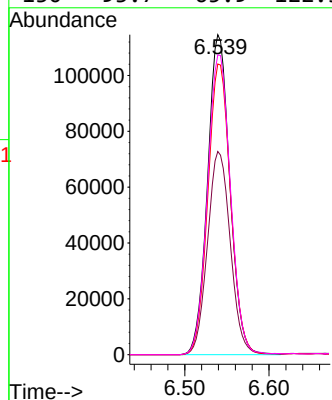
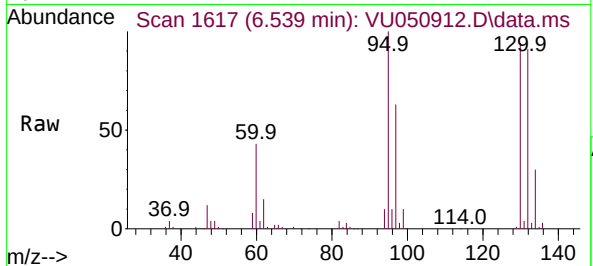




#34
Trichloroethene
Concen: 52.955 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

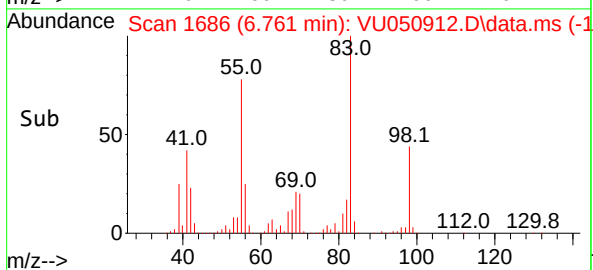
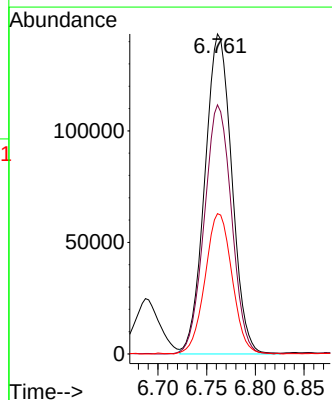
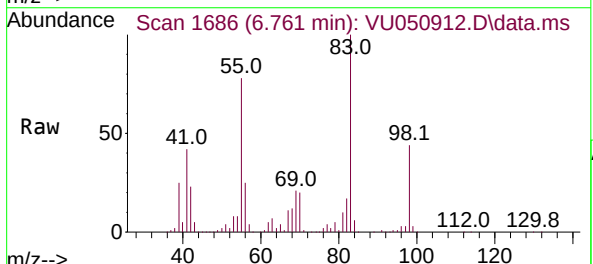
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

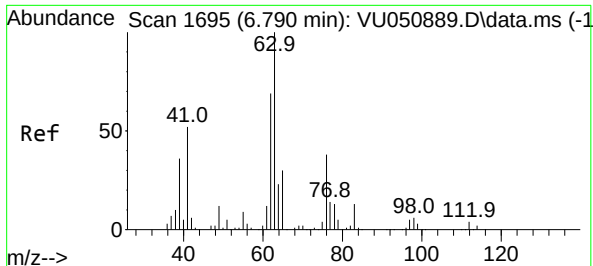
Tgt Ion: 95 Resp: 211325
Ion Ratio Lower Upper
95 100
97 63.5 43.9 81.5
132 90.8 63.1 117.1
130 93.7 65.9 122.3



#35
Methylcyclohexane
Concen: 43.097 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 83 Resp: 277115
Ion Ratio Lower Upper
83 100
55 78.4 64.7 97.1
98 43.8 35.2 52.8





#37

1,2-Dichloropropane

Concen: 47.914 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

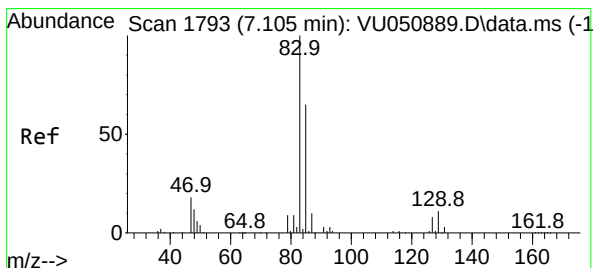
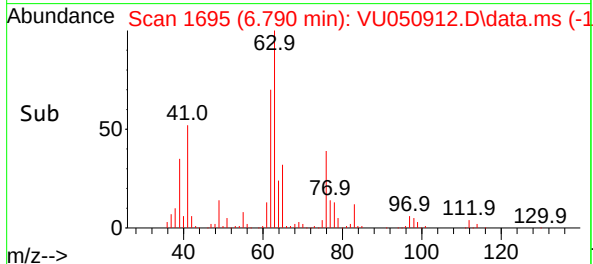
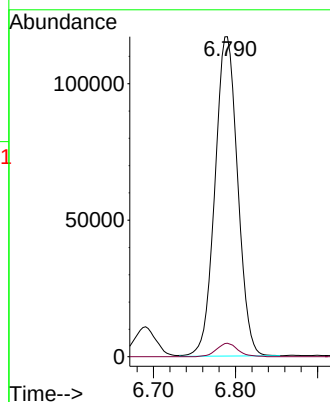
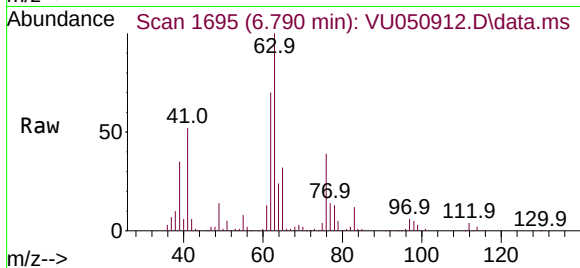
E45A0MSD

Tgt Ion: 63 Resp: 225252

Ion Ratio Lower Upper

63 100

112 4.0 2.9 4.3



#38

Bromodichloromethane

Concen: 49.997 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.003 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

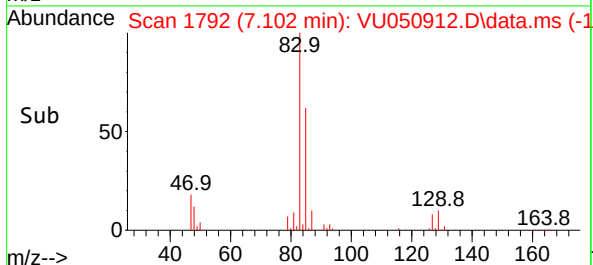
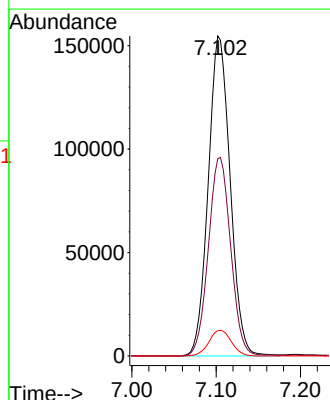
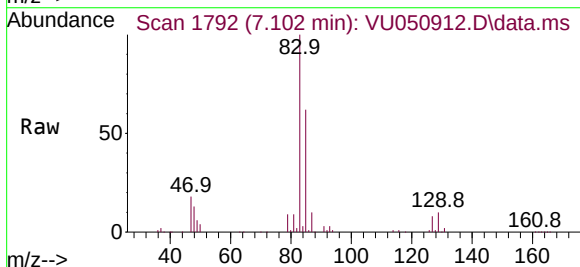
Tgt Ion: 83 Resp: 280039

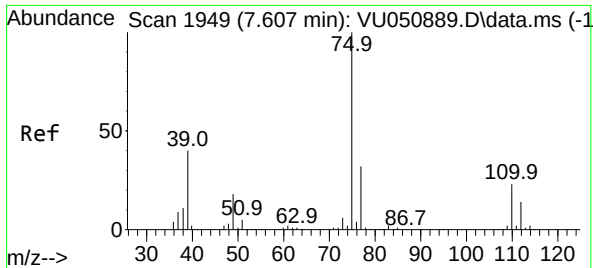
Ion Ratio Lower Upper

83 100

85 61.7 44.3 82.3

127 7.9 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 48.788 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

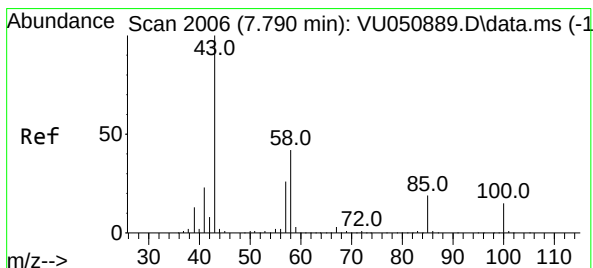
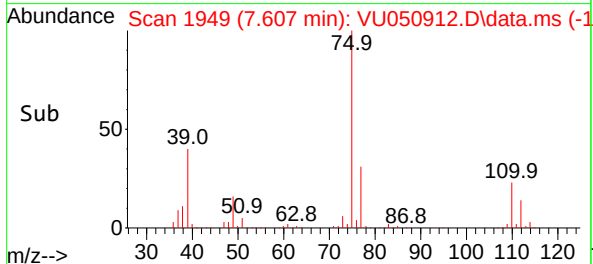
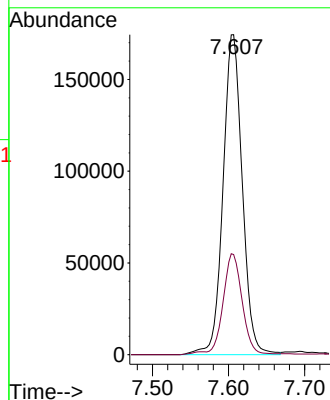
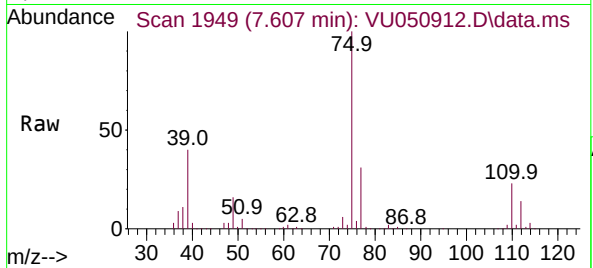
E45A0MSD

Tgt Ion: 75 Resp: 306924

Ion Ratio Lower Upper

75 100

77 31.3 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 108.118 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. -0.003 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

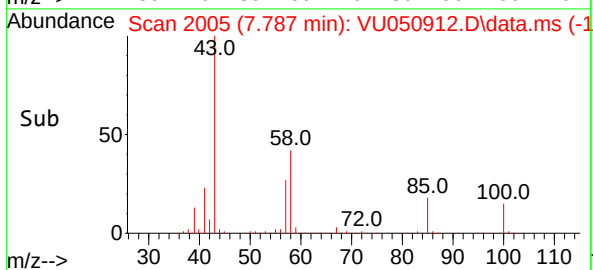
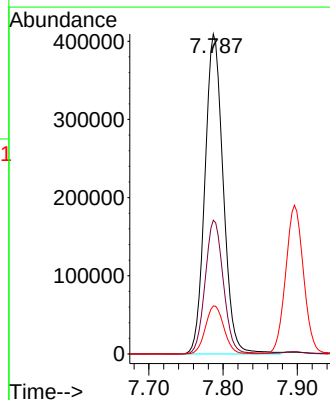
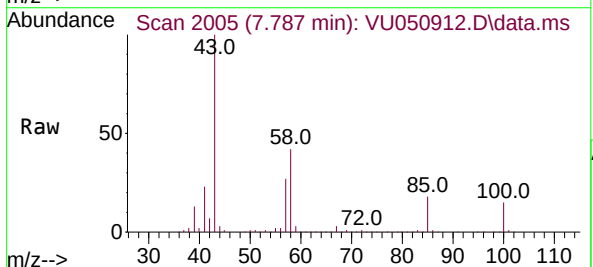
Tgt Ion: 43 Resp: 700479

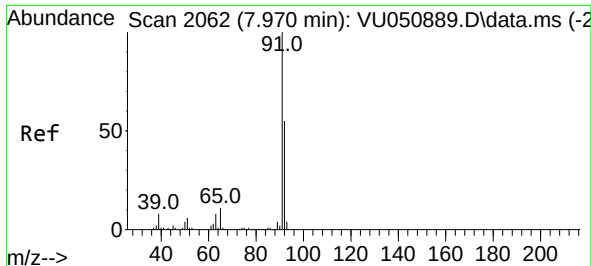
Ion Ratio Lower Upper

43 100

58 41.7 33.8 50.6

100 15.2 12.0 18.0





#42

Toluene

Concen: 50.615 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

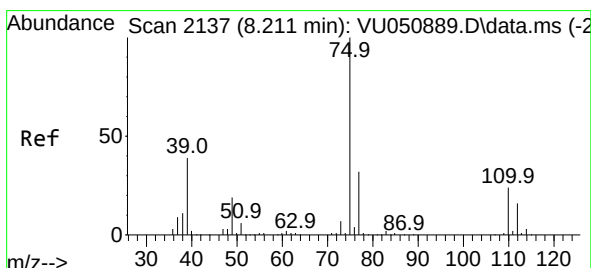
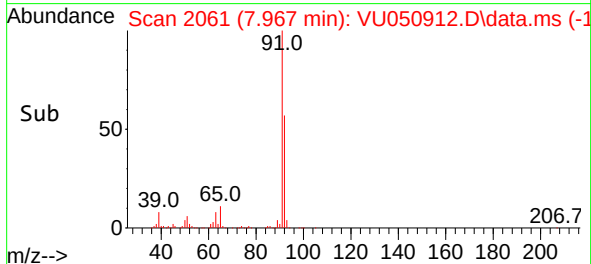
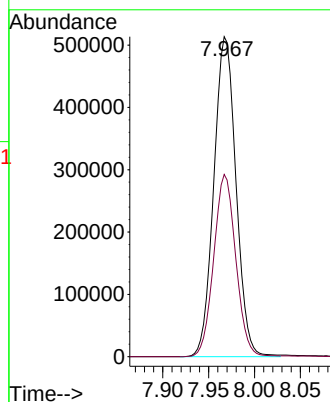
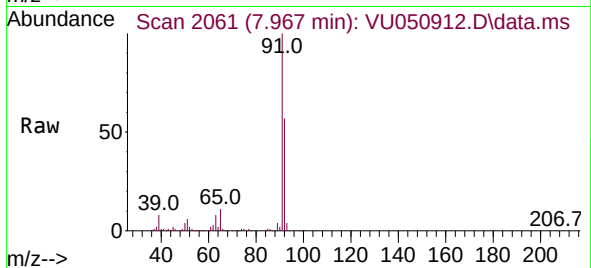
E45A0MSD

Tgt Ion: 91 Resp: 863244

Ion Ratio Lower Upper

91 100

92 57.0 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 48.919 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU050912.D

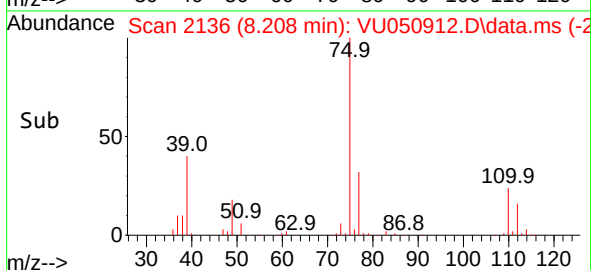
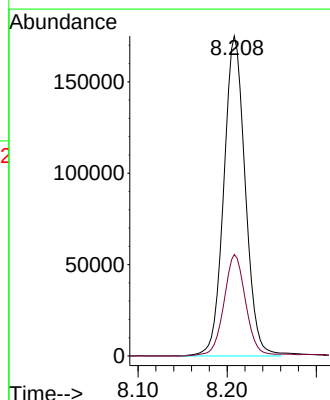
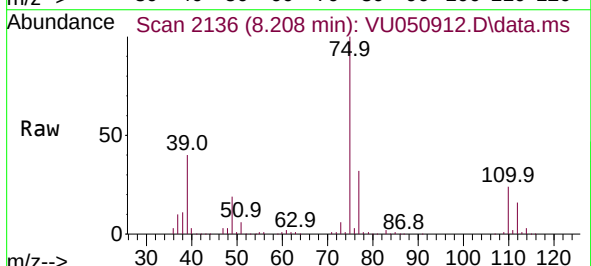
Acq: 22 Sep 2022 20:46

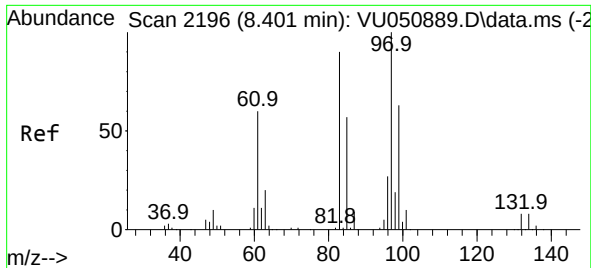
Tgt Ion: 75 Resp: 292752

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7



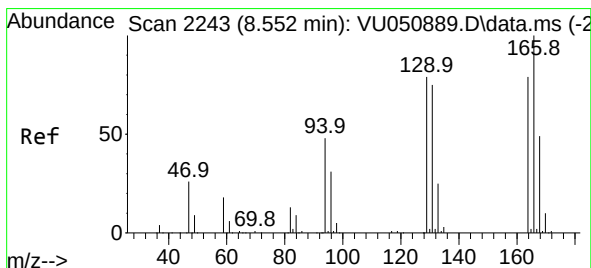
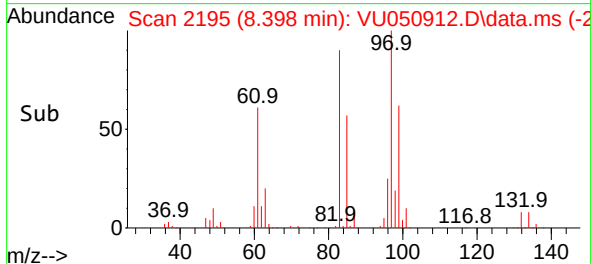
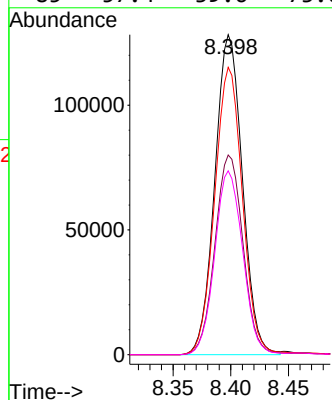
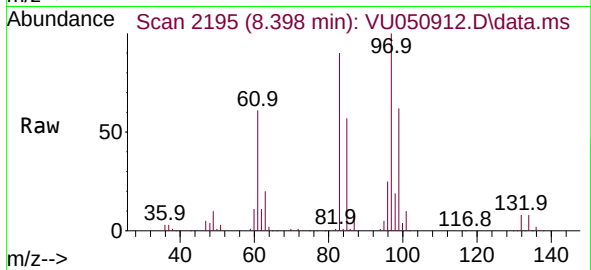


#45
1,1,2-Trichloroethane
Concen: 49.201 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

Tgt Ion: 97 Resp: 213153

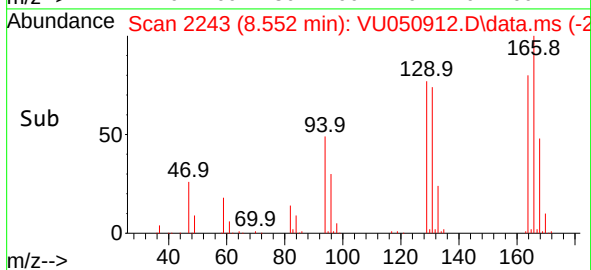
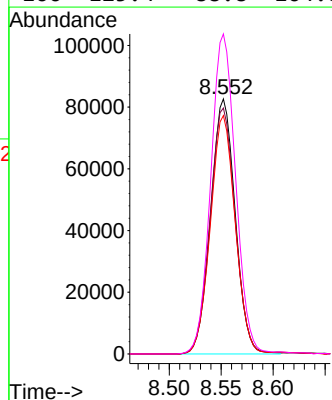
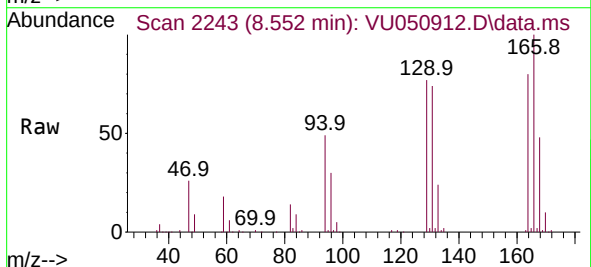
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.8	81.4
83	89.8	62.6	116.3
85	57.4	39.6	73.6

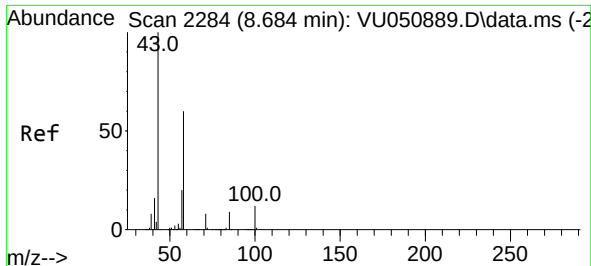


#46
Tetrachloroethene
Concen: 47.318 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 164 Resp: 135698

Ion	Ratio	Lower	Upper
164	100		
129	96.4	68.5	127.3
131	93.4	66.1	122.7
166	125.4	88.8	164.8

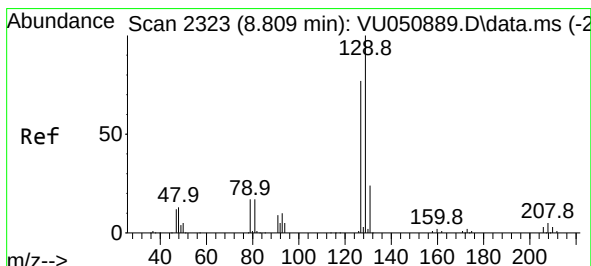
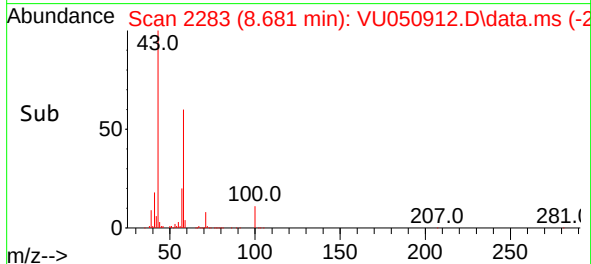
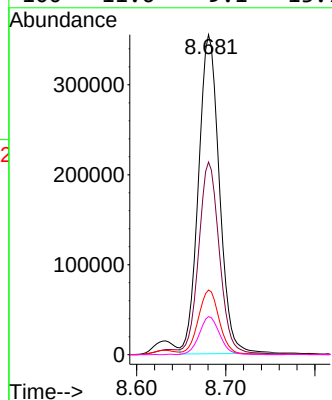
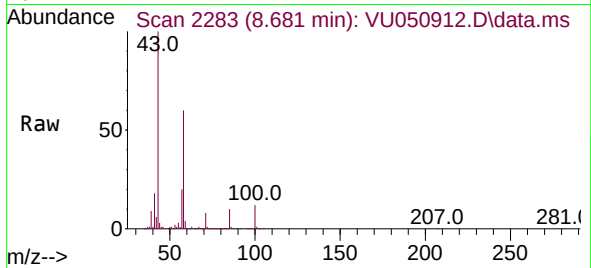




#48
2-Hexanone
Concen: 106.824 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

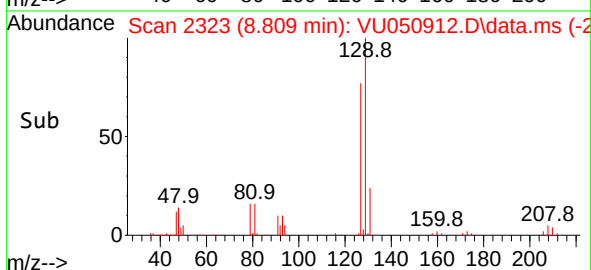
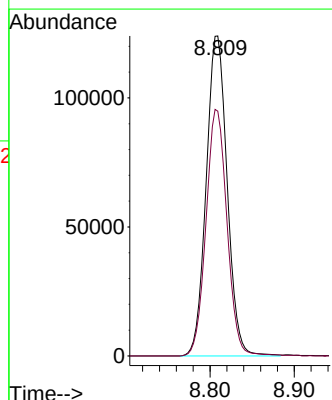
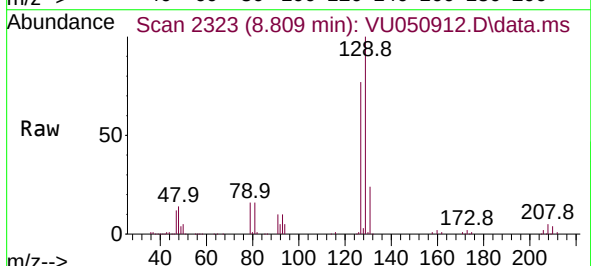
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

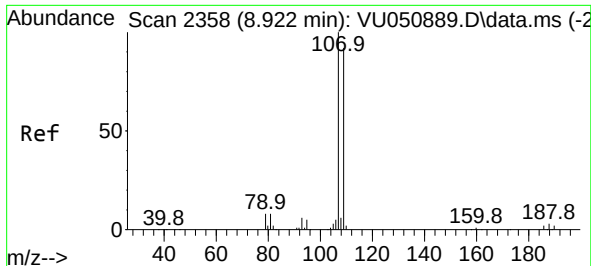
Tgt Ion: 43 Resp: 578312
Ion Ratio Lower Upper
43 100
58 59.8 47.2 70.8
57 20.6 16.2 24.4
100 11.6 9.1 13.7



#49
Dibromochloromethane
Concen: 50.634 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 129 Resp: 215088
Ion Ratio Lower Upper
129 100
127 76.5 54.5 101.1





#50

1,2-Dibromoethane

Concen: 50.337 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

E45A0MSD

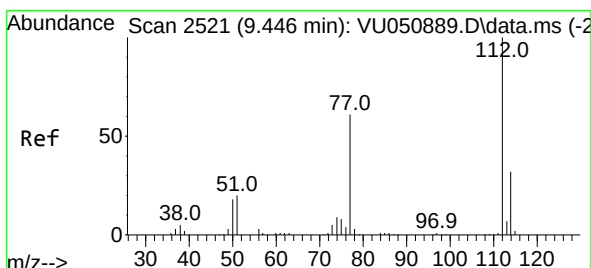
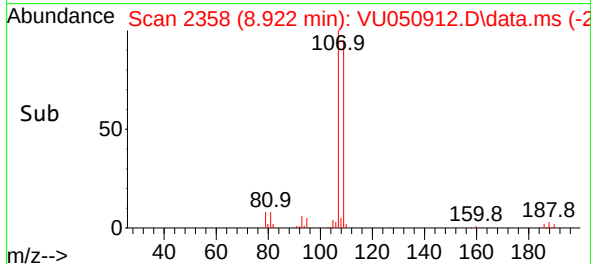
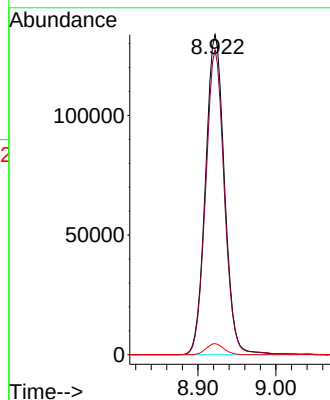
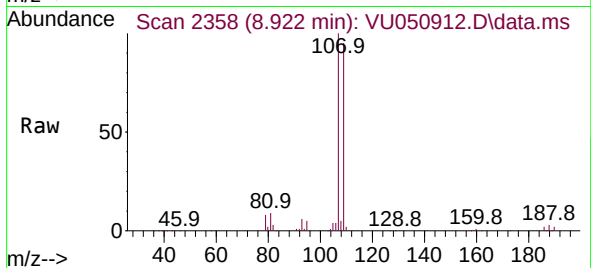
Tgt Ion:107 Resp: 226259

Ion Ratio Lower Upper

107 100

109 95.2 66.0 122.6

188 3.5 2.5 3.7



#51

Chlorobenzene

Concen: 48.708 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

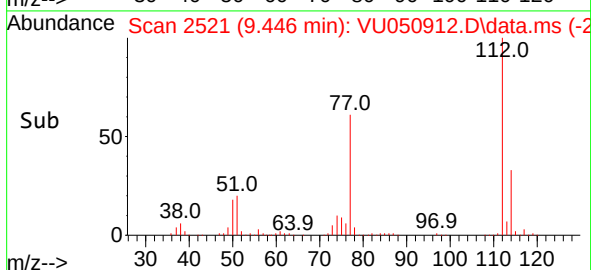
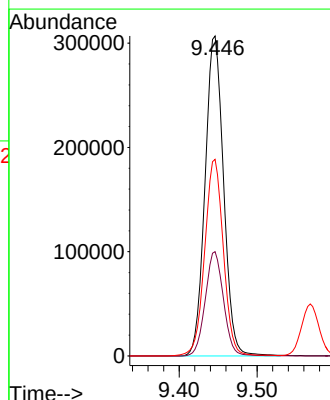
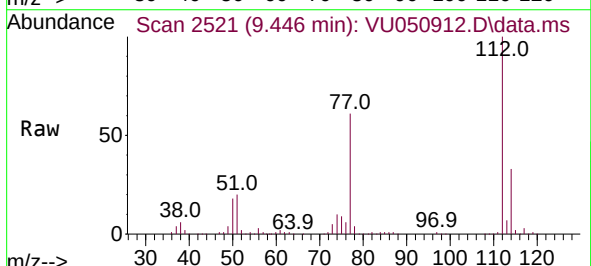
Tgt Ion:112 Resp: 507156

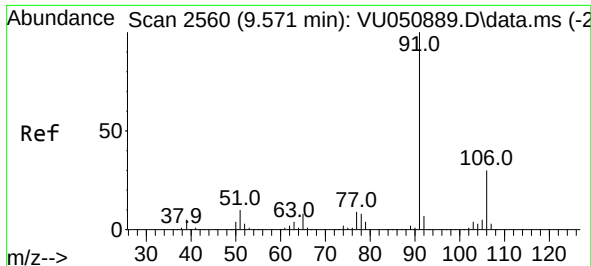
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.3

77 61.4 49.8 74.8





#52

Ethylbenzene

Concen: 50.070 ug/L

RT: 9.568 min Scan# 2559

Delta R.T. -0.003 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

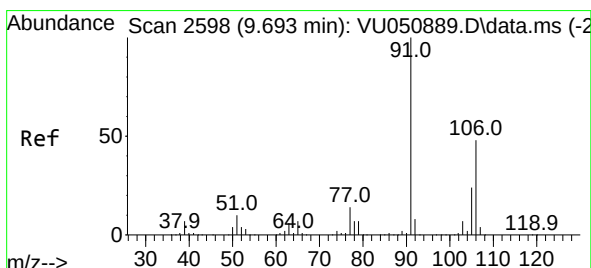
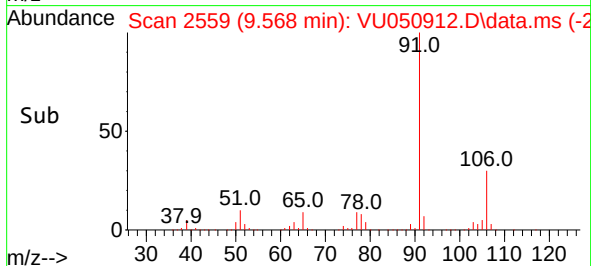
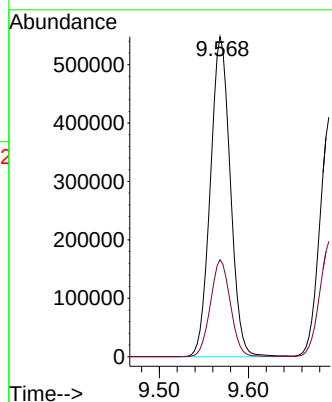
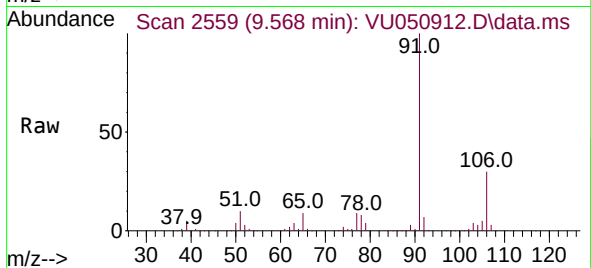
E45A0MSD

Tgt Ion: 91 Resp: 851908

Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



#53

m,p-Xylene

Concen: 51.970 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU050912.D

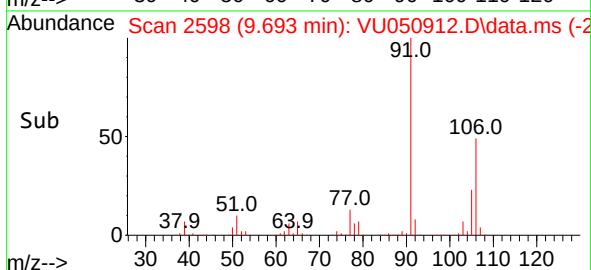
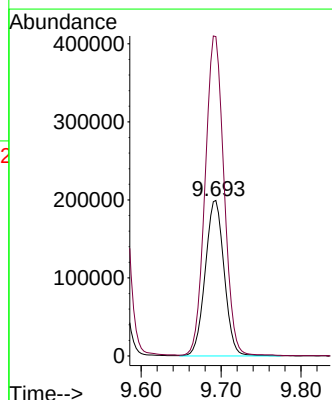
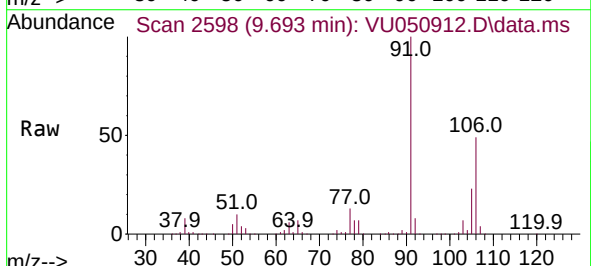
Acq: 22 Sep 2022 20:46

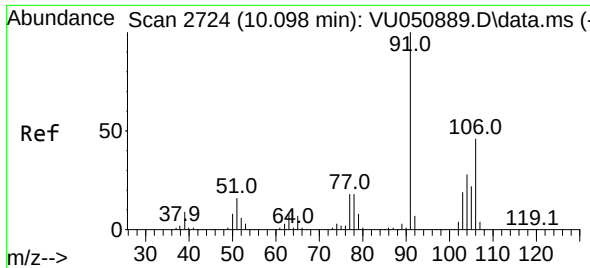
Tgt Ion: 106 Resp: 328736

Ion Ratio Lower Upper

106 100

91 205.4 144.0 267.4

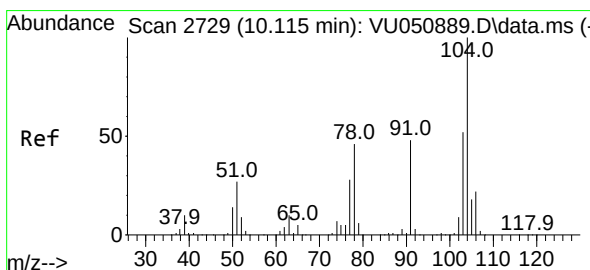
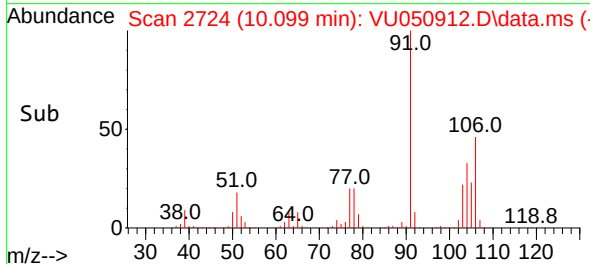
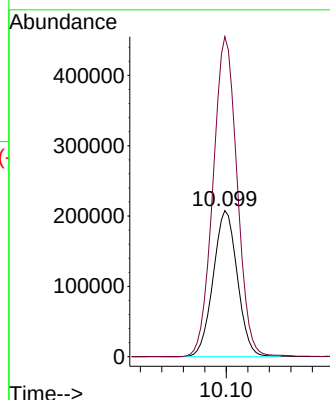
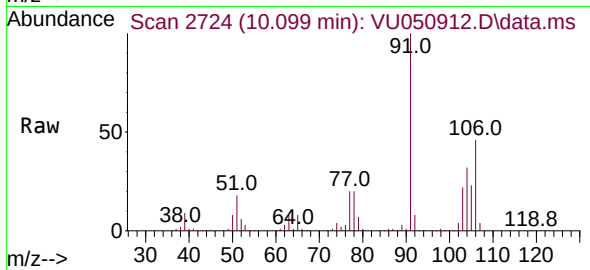




#54
o-Xylene
Concen: 51.405 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

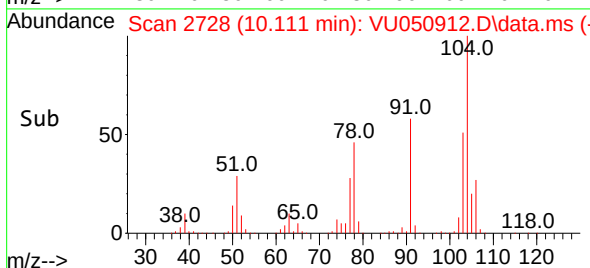
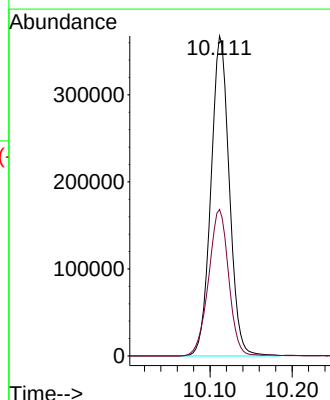
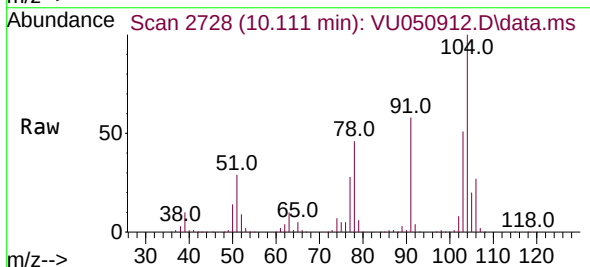
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

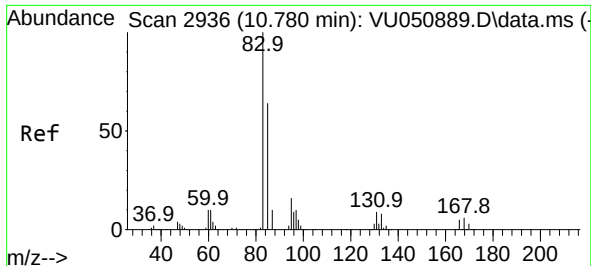
Tgt Ion:106 Resp: 323985
Ion Ratio Lower Upper
106 100
91 219.1 154.6 287.0



#55
Styrene
Concen: 52.975 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion:104 Resp: 572440
Ion Ratio Lower Upper
104 100
78 45.8 32.4 60.2

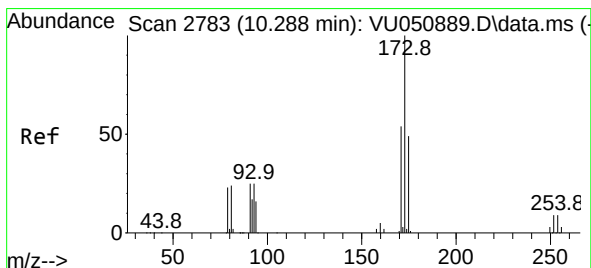
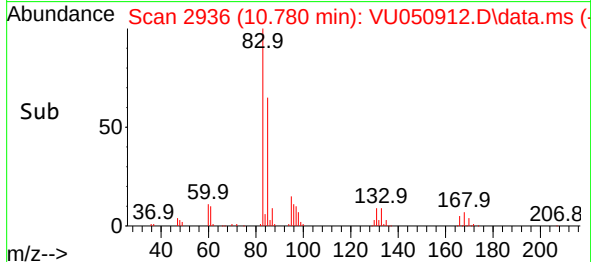
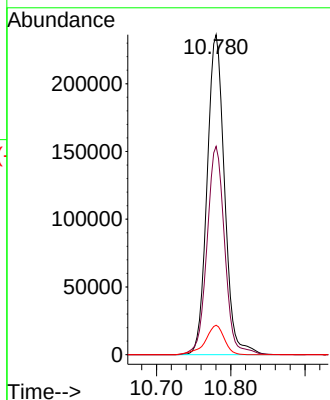
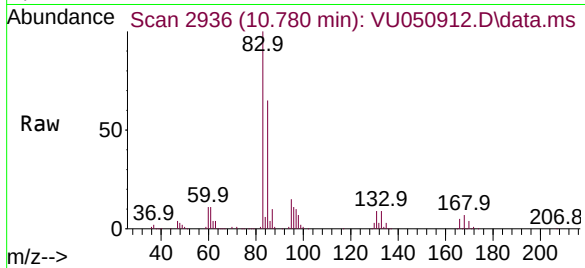




#57
1,1,2,2-Tetrachloroethane
Concen: 47.967 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

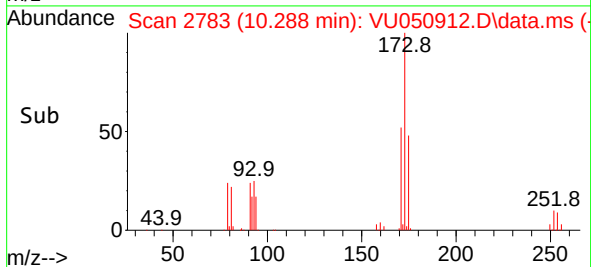
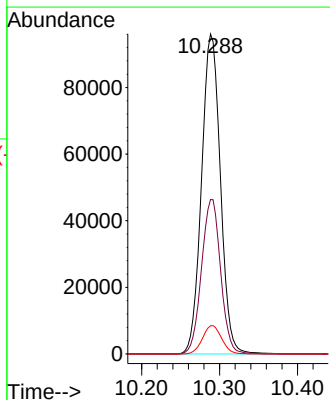
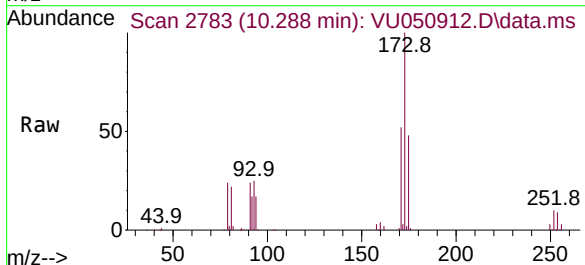
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

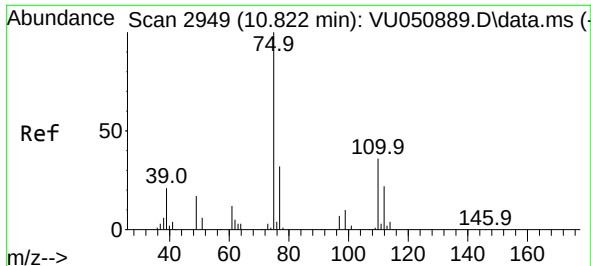
Tgt Ion: 83 Resp: 384527
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9
131 9.2 7.1 10.7



#59
Bromoform
Concen: 48.182 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 173 Resp: 161588
Ion Ratio Lower Upper
173 100
175 48.8 37.8 56.8
254 9.0 7.1 10.7

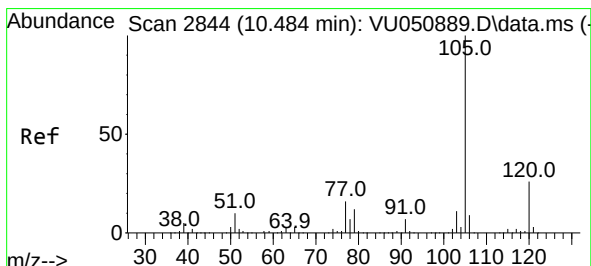
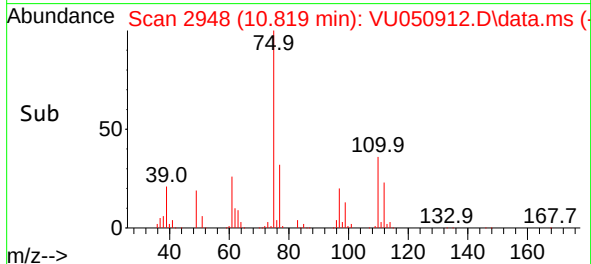
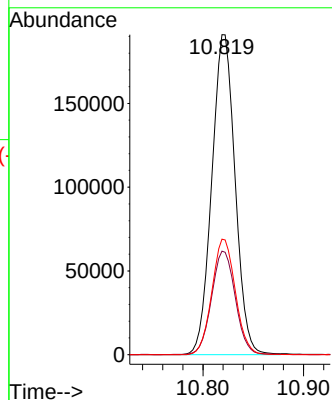
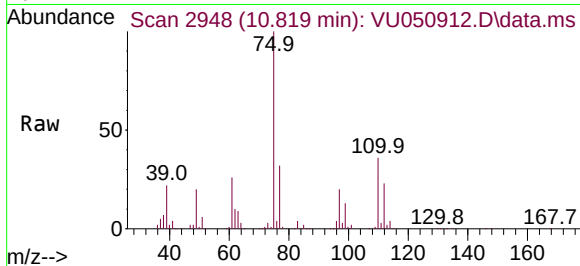




#60
1,2,3-Trichloropropane
Concen: 47.112 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

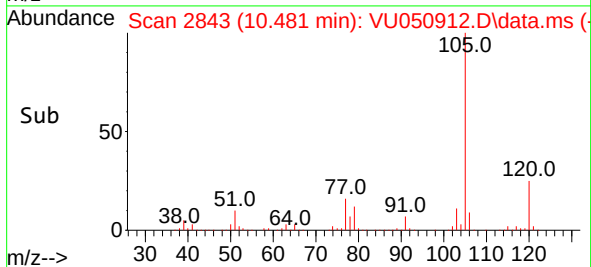
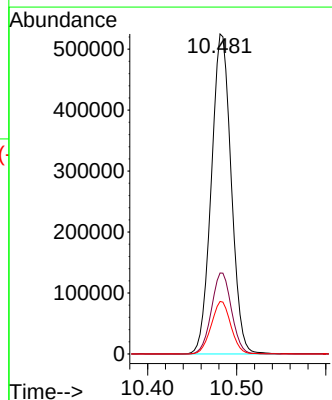
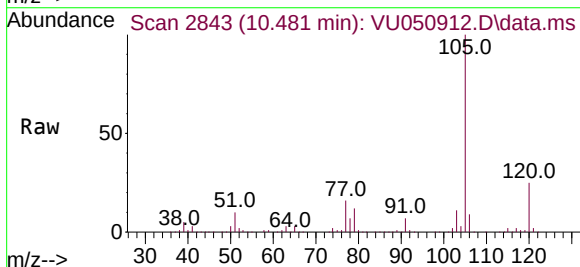
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

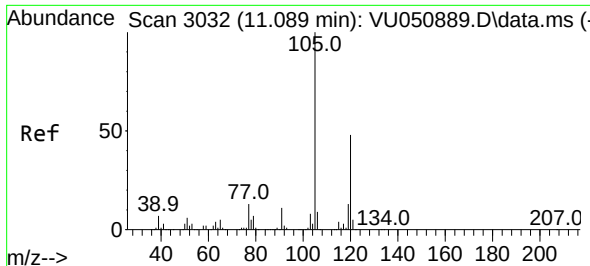
Tgt Ion: 75 Resp: 307902
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.4
110 36.3 28.6 43.0



#61
Isopropylbenzene
Concen: 48.855 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 105 Resp: 811230
Ion Ratio Lower Upper
105 100
120 25.7 20.5 30.7
77 16.3 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 49.670 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU050912.D

Acq: 22 Sep 2022 20:46

Instrument :

MSVOA_U

ClientSampleId :

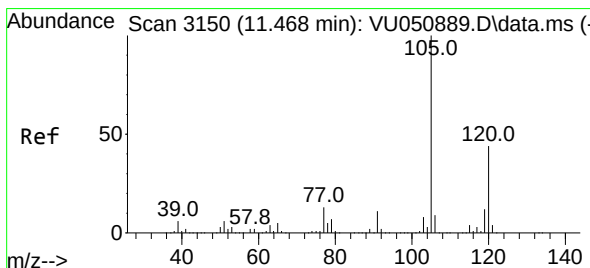
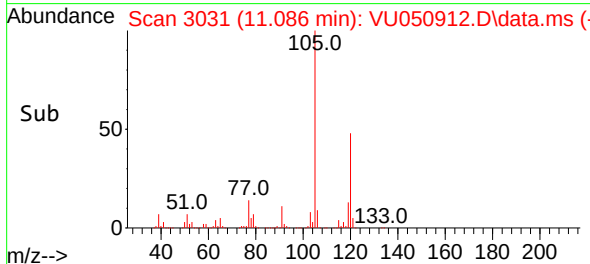
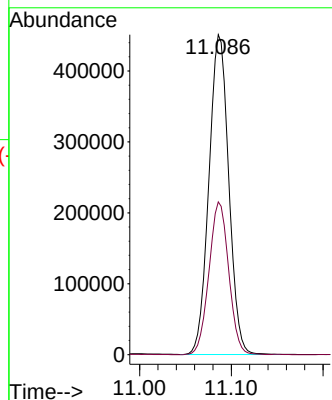
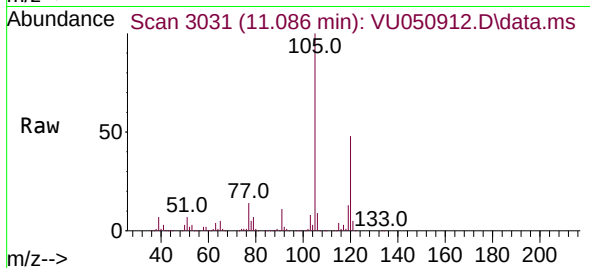
E45A0MSD

Tgt Ion:105 Resp: 677998

Ion Ratio Lower Upper

105 100

120 47.5 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 50.703 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU050912.D

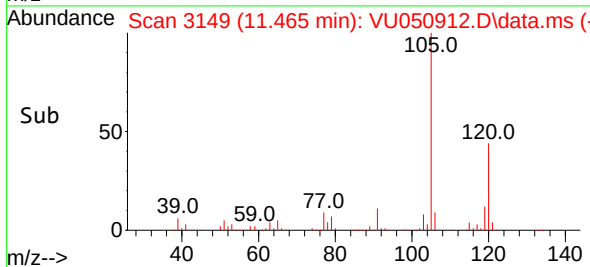
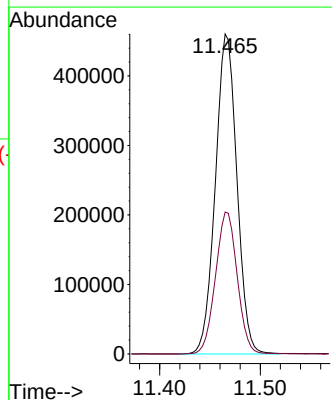
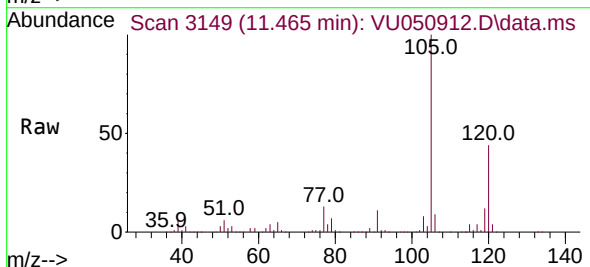
Acq: 22 Sep 2022 20:46

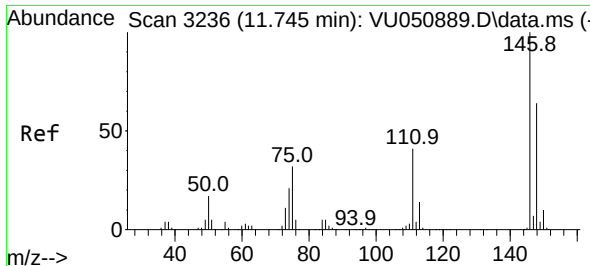
Tgt Ion:105 Resp: 685405

Ion Ratio Lower Upper

105 100

120 44.8 34.9 52.3

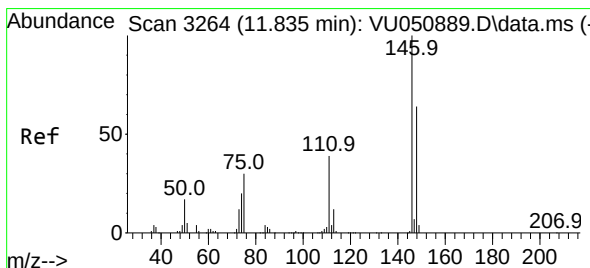
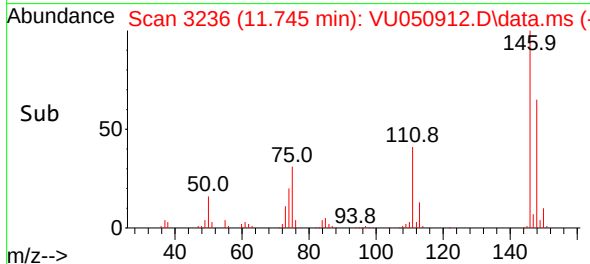
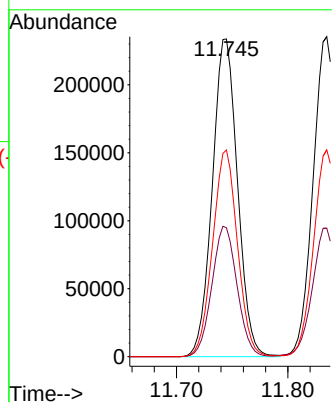
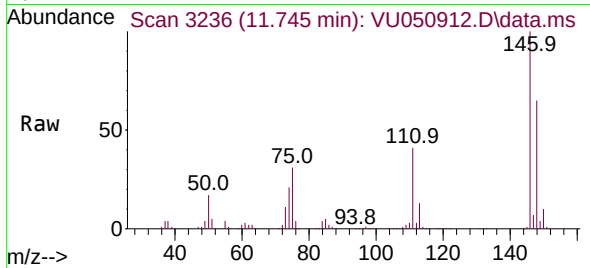




#64
1,3-Dichlorobenzene
Concen: 48.461 ug/L
RT: 11.745 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

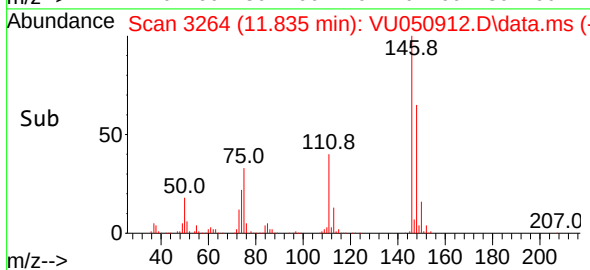
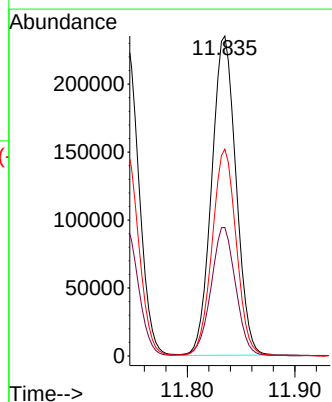
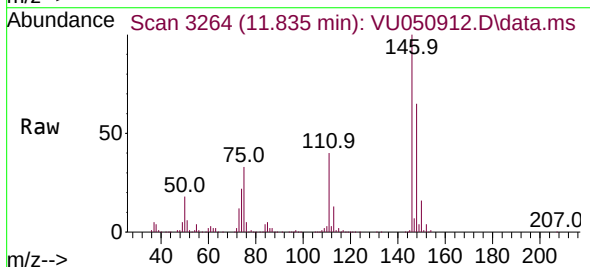
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

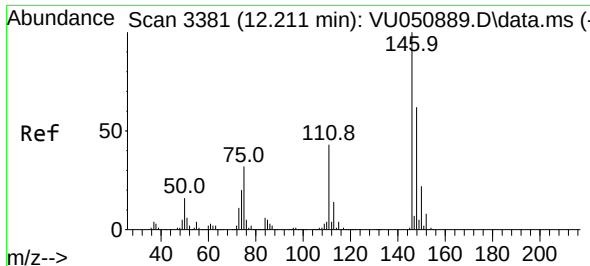
Tgt Ion:146 Resp: 367981
Ion Ratio Lower Upper
146 100
111 40.6 27.9 51.7
148 65.1 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 47.975 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion:146 Resp: 369839
Ion Ratio Lower Upper
146 100
111 40.1 27.5 51.1
148 64.6 45.4 84.2

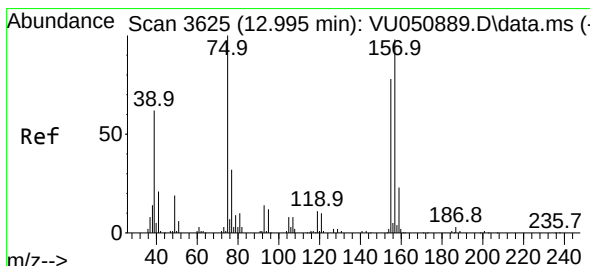
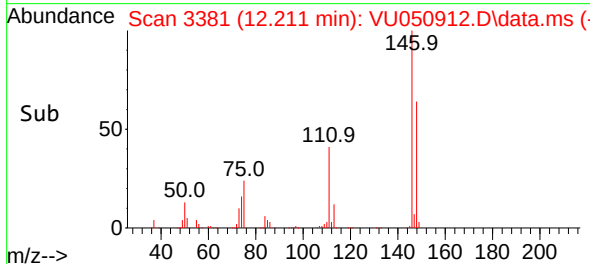
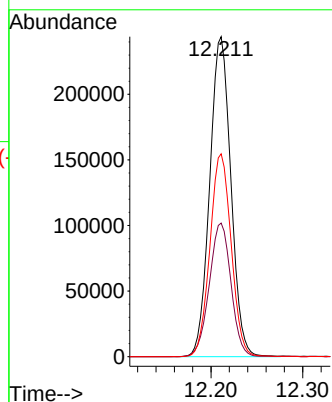
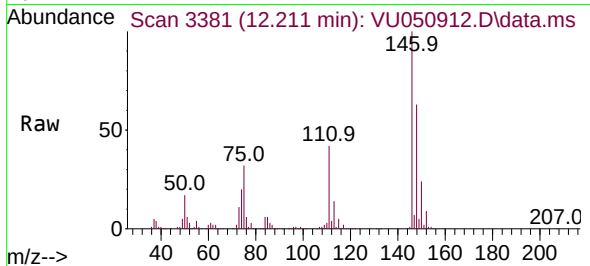




#67
1,2-Dichlorobenzene
Concen: 48.596 ug/L
RT: 12.211 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

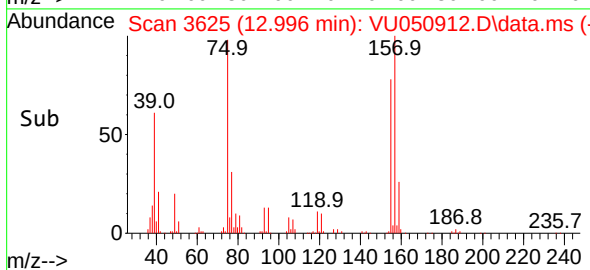
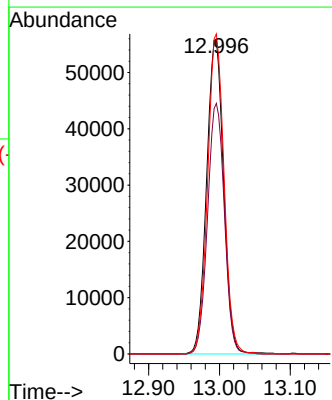
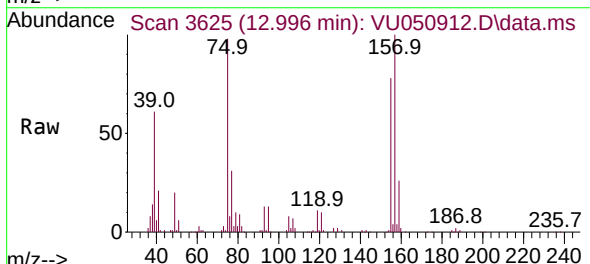
Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

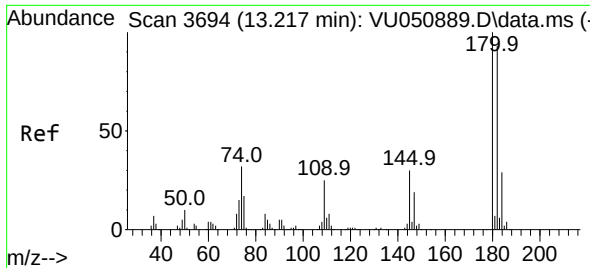
Tgt Ion:146 Resp: 390724
Ion Ratio Lower Upper
146 100
111 41.7 35.2 52.8
148 63.4 52.0 78.0



#68
1,2-Dibromo-3-chloropropane
Concen: 51.731 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion: 75 Resp: 92988
Ion Ratio Lower Upper
75 100
155 79.7 63.8 95.8
157 101.7 81.8 122.8

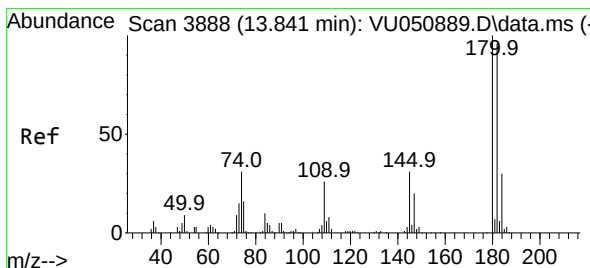
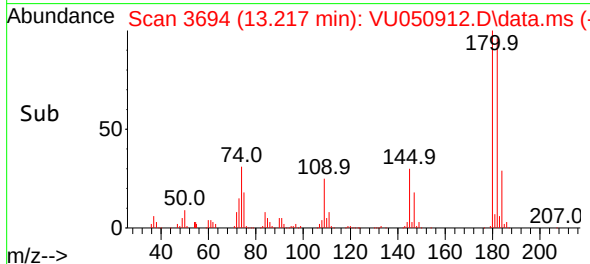
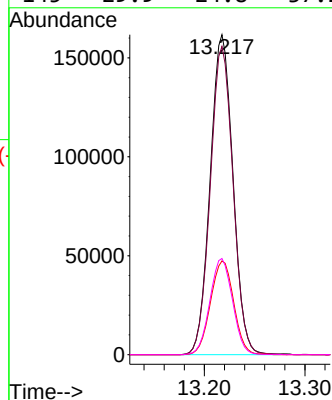
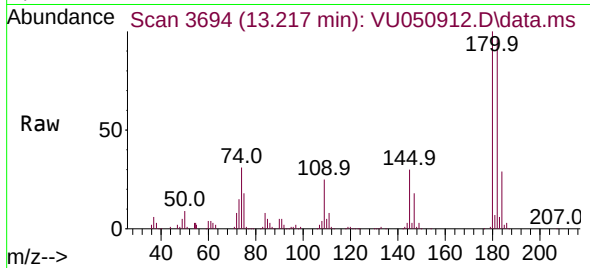




#69
 1,3,5-Trichlorobenzene
 Concen: 47.917 ug/L
 RT: 13.217 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VU050912.D
 Acq: 22 Sep 2022 20:46

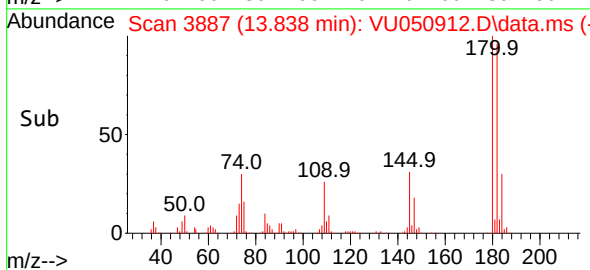
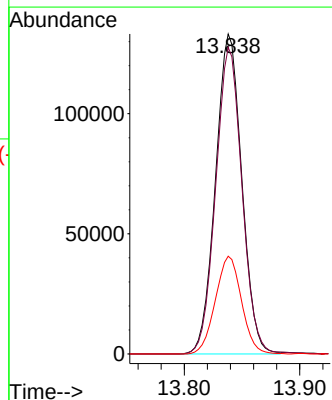
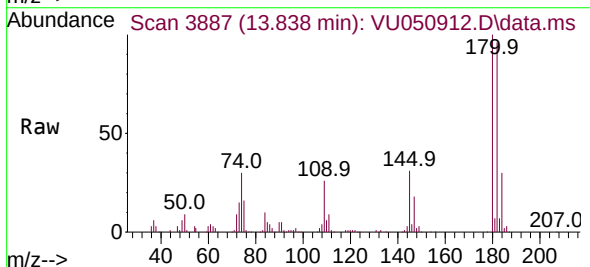
Instrument :
 MSVOA_U
 ClientSampleId :
 E45A0MSD

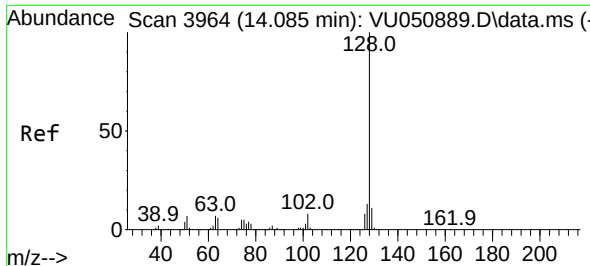
Tgt Ion:180 Resp: 254574
 Ion Ratio Lower Upper
 180 100
 182 96.3 78.2 117.2
 184 29.9 24.8 37.2
 145 29.9 24.8 37.2



#70
 1,2,4-trichlorobenzene
 Concen: 48.421 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. -0.003 min
 Lab File: VU050912.D
 Acq: 22 Sep 2022 20:46

Tgt Ion:180 Resp: 210524
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.2
 145 30.4 25.1 37.7

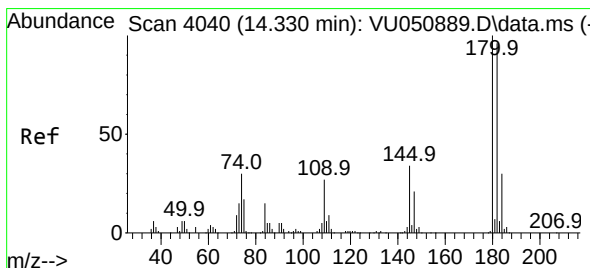
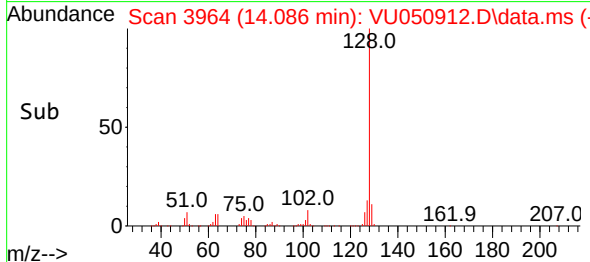
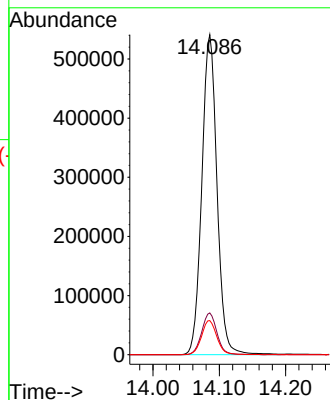
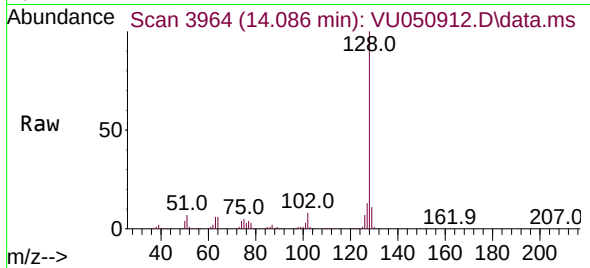




#71
Naphthalene
Concen: 51.521 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Instrument :
MSVOA_U
ClientSampleId :
E45A0MSD

Tgt Ion:128 Resp: 860896
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.8 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 50.026 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU050912.D
Acq: 22 Sep 2022 20:46

Tgt Ion:180 Resp: 243429
Ion Ratio Lower Upper
180 100
182 96.1 76.9 115.3
145 32.2 26.3 39.5

