

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092322\
 Data File : VU050915.D
 Acq On : 23 Sep 2022 12:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 24 00:20:54 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	420280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	407634	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	202824	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	189811	43.591	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	87.180%	
7) Chloroethane-d5	1.909	69	158075	50.973	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	101.940%	
11) 1,1-Dichloroethene-d2	2.568	63	322651	47.620	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	95.240%	
21) 2-Butanone-d5	4.626	46	324795	115.537	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	115.540%	
24) Chloroform-d	5.064	84	343938	50.402	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.800%	
26) 1,2-Dichloroethane-d4	5.700	65	211049	50.185	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.380%	
32) Benzene-d6	5.726	84	672034	50.052	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	100.100%	
36) 1,2-Dichloropropane-d6	6.690	67	223296	49.270	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	98.540%	
41) Toluene-d8	7.896	98	614592	52.366	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	104.740%	
43) trans-1,3-Dichloroprop...	8.176	79	96848	49.122	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	98.240%	
47) 2-Hexanone-d5	8.632	63	194602	104.195	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	104.190%	
56) 1,1,2,2-Tetrachloroeth...	10.755	84	348398	50.422	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	100.840%	
66) 1,2-Dichlorobenzene-d4	12.192	152	213586	50.295	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	100.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	224707	51.635	ug/L	98
3) Chloromethane	1.520	50	245538	48.532	ug/L	99
5) Vinyl chloride	1.604	62	251363	50.750	ug/L	97
6) Bromomethane	1.858	94	142817	57.077	ug/L	96
8) Chloroethane	1.929	64	159039	57.995	ug/L	100
9) Trichlorofluoromethane	2.134	101	301953	56.204	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	192252	55.908	ug/L	100
12) 1,1-Dichloroethene	2.578	96	171572	53.101	ug/L	95
13) Acetone	2.636	43	264698	111.202	ug/L	99
14) Carbon disulfide	2.790	76	516822	50.584	ug/L	100
15) Methyl Acetate	2.948	43	247237	55.039	ug/L	99
16) Methylene chloride	3.044	84	222233	49.535	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	174570	52.714	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	528514	52.351	ug/L	99
19) 1,1-Dichloroethane	3.867	63	350471	52.376	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	193756	52.767	ug/L	97
22) 2-Butanone	4.703	43	384786	122.637	ug/L	99
23) Bromochloromethane	4.973	128	102453	53.238	ug/L	97
25) Chloroform	5.086	83	360473	54.054	ug/L	99

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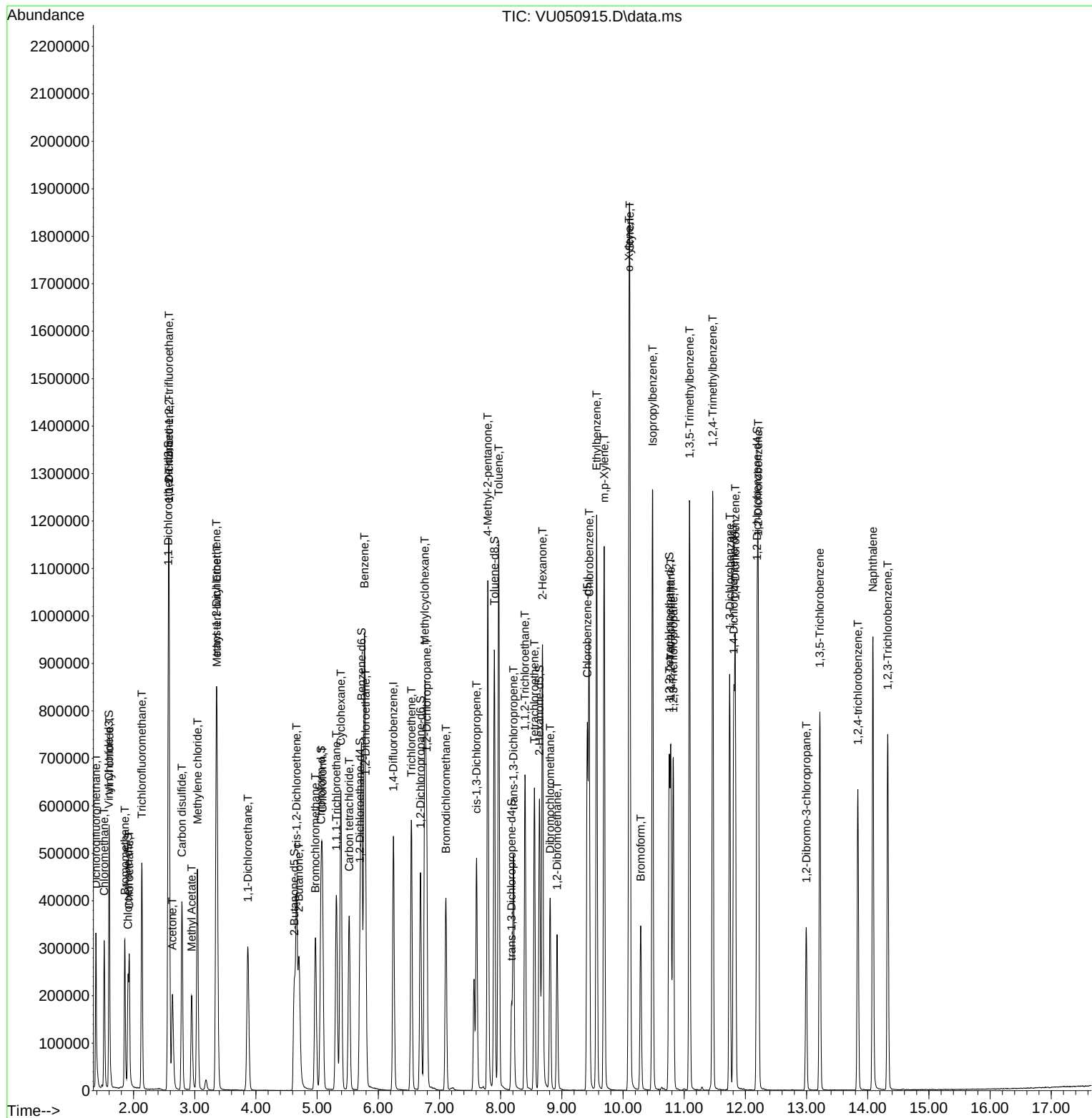
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	271377	53.547	ug/L	98
29) Cyclohexane	5.388	56	296026	52.770	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	297907	54.933	ug/L	99
31) Carbon tetrachloride	5.523	117	249040	55.279	ug/L	100
33) Benzene	5.774	78	813230	54.210	ug/L	100
34) Trichloroethene	6.543	95	195994	56.245	ug/L	99
35) Methylcyclohexane	6.761	83	309144	55.060	ug/L	98
37) 1,2-Dichloropropane	6.790	63	216151	52.655	ug/L	100
38) Bromodichloromethane	7.105	83	266745	54.539	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	286634	52.179	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	663675	117.312	ug/L	100
42) Toluene	7.967	91	839141	56.347	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	276893	52.988	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	203934	53.908	ug/L	99
46) Tetrachloroethene	8.552	164	138619	55.356	ug/L	98
48) 2-Hexanone	8.684	43	573120	121.237	ug/L	99
49) Dibromochloromethane	8.809	129	206747	55.738	ug/L	97
50) 1,2-Dibromoethane	8.922	107	213521	54.401	ug/L	99
51) Chlorobenzene	9.446	112	486498	53.509	ug/L	98
52) Ethylbenzene	9.568	91	817699	55.039	ug/L	99
53) m,p-Xylene	9.694	106	316604	57.320	ug/L	100
54) o-Xylene	10.099	106	309308	56.203	ug/L	97
55) Styrene	10.112	104	551345	58.432	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	359284	51.327	ug/L	99
59) Bromoform	10.288	173	155606	53.154	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	299142	52.435	ug/L	99
61) Isopropylbenzene	10.485	105	787530	54.332	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	654610	54.938	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	665237	56.376	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	354727	53.517	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	357409	53.113	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	372608	53.091	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	90193	57.482	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	244140	52.644	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	195674	51.558	ug/L	99
71) Naphthalene	14.086	128	732167	50.197	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	225249	53.030	ug/L	99

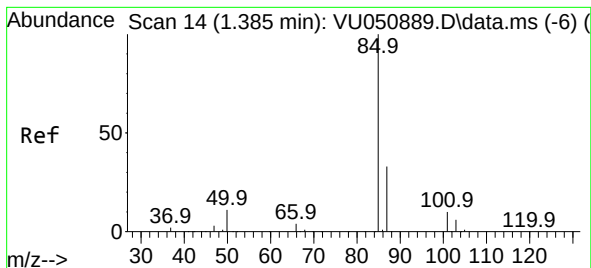
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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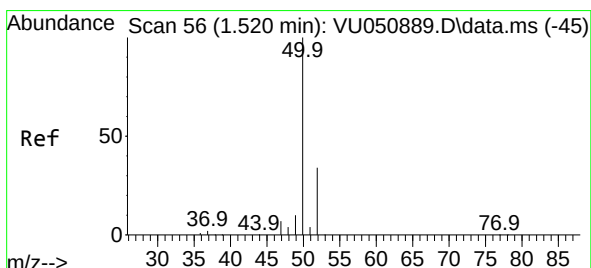
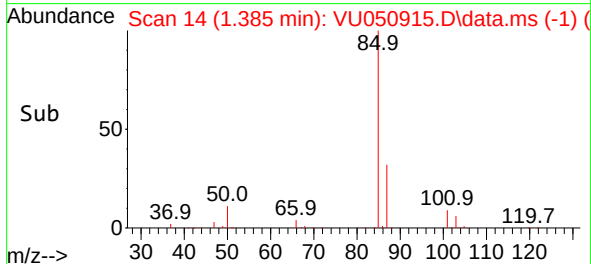
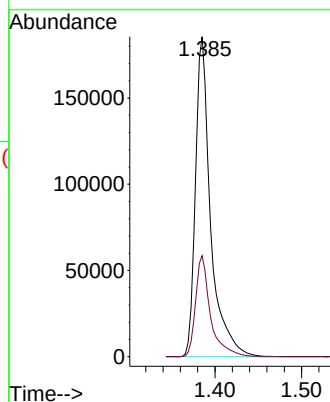
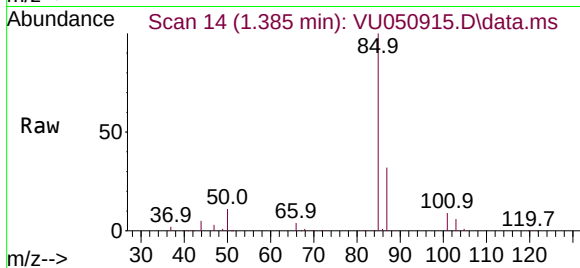




#2
Dichlorodifluoromethane
Concen: 51.635 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

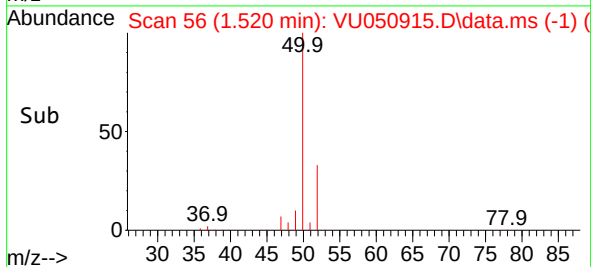
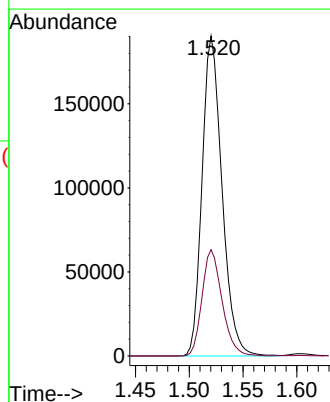
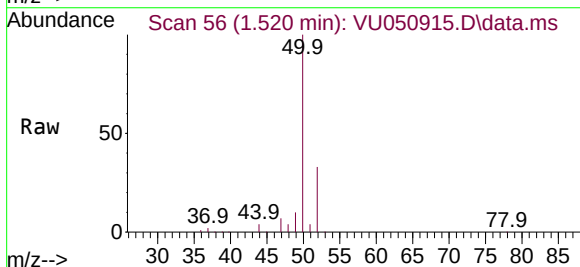
Instrument :
MSVOA_U
ClientSampleId :

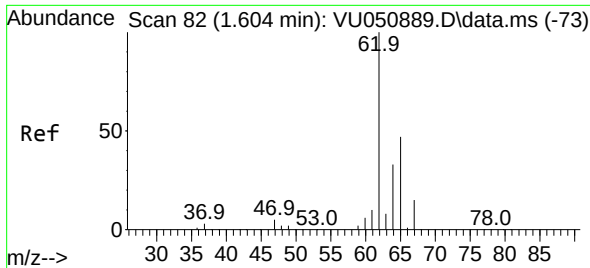
Tgt Ion: 85 Resp: 224707
Ion Ratio Lower Upper
85 100
87 31.0 25.8 38.8



#3
Chloromethane
Concen: 48.532 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion: 50 Resp: 245538
Ion Ratio Lower Upper
50 100
52 33.2 23.7 43.9

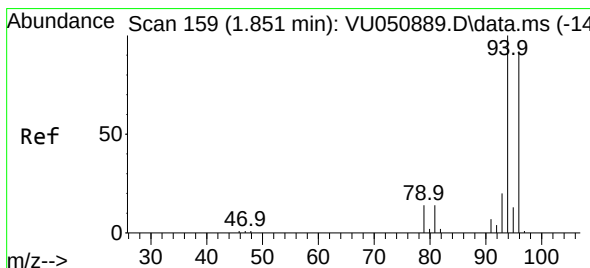
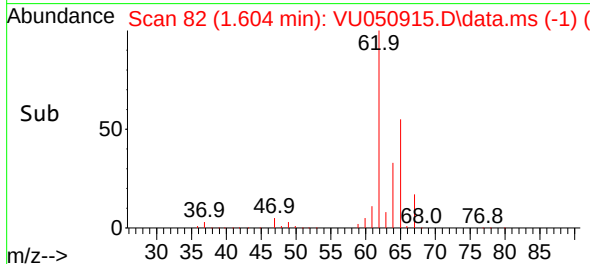
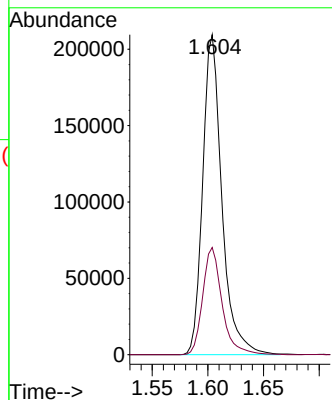
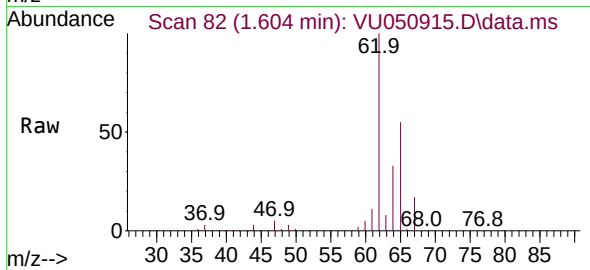




#5
 Vinyl chloride
 Concen: 50.750 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU050915.D
 Acq: 23 Sep 2022 12:08

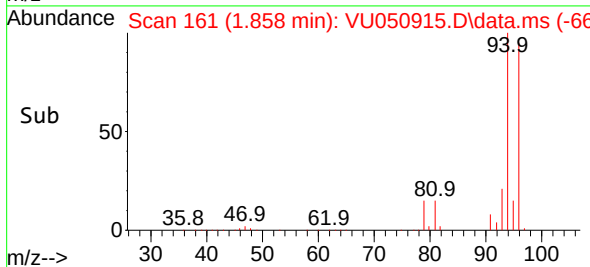
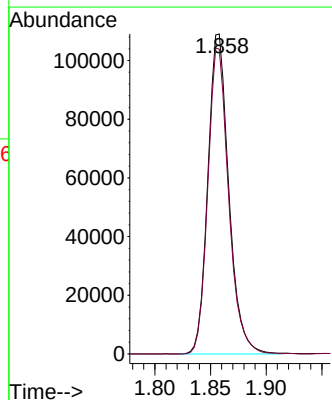
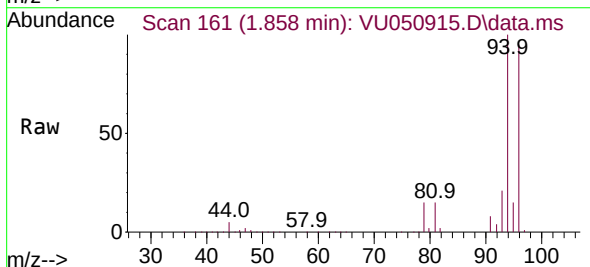
Instrument :
 MSVOA_U
 ClientSampleId :

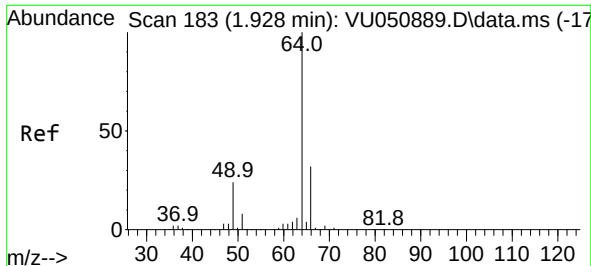
Tgt Ion: 62 Resp: 251363
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.2 41.2



#6
 Bromomethane
 Concen: 57.077 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.007 min
 Lab File: VU050915.D
 Acq: 23 Sep 2022 12:08

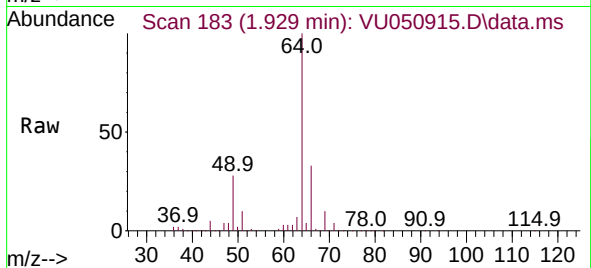
Tgt Ion: 94 Resp: 142817
 Ion Ratio Lower Upper
 94 100
 96 95.3 64.0 119.0



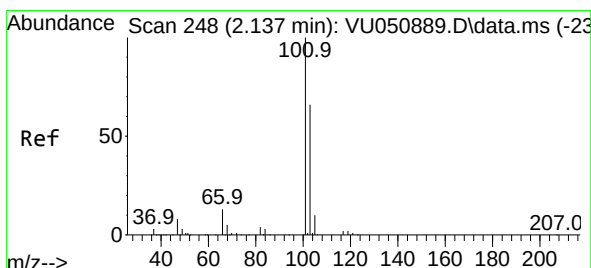
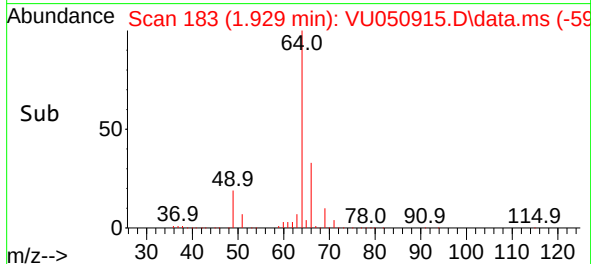
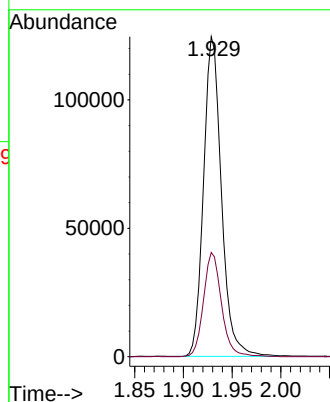


#8
Chloroethane
Concen: 57.995 ug/L
RT: 1.929 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Instrument :
MSVOA_U
ClientSampleId :

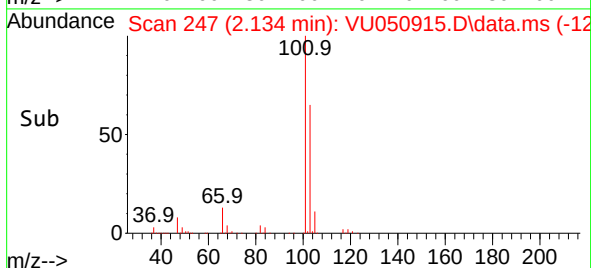
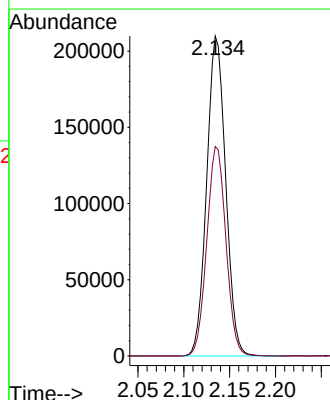
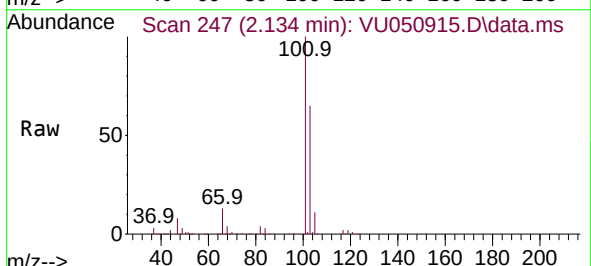


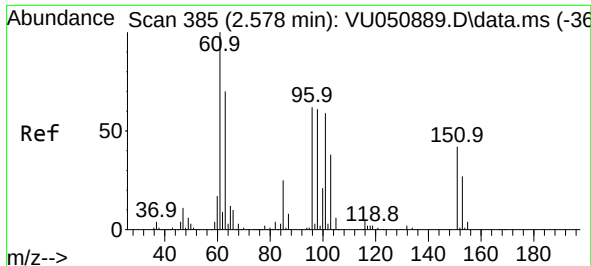
Tgt Ion: 64 Resp: 159039
Ion Ratio Lower Upper
64 100
66 32.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 56.204 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion:101 Resp: 301953
Ion Ratio Lower Upper
101 100
103 66.0 50.9 76.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 55.908 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

ClientSampleId :

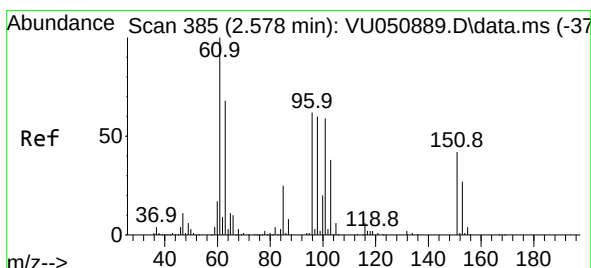
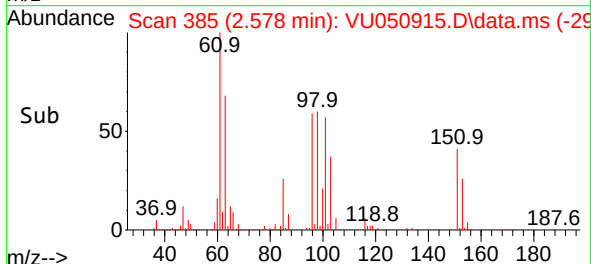
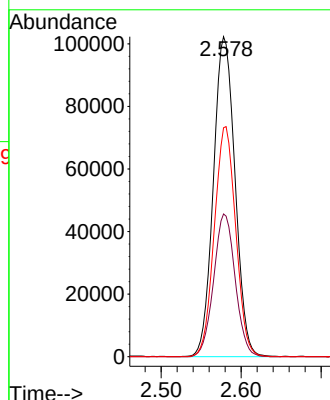
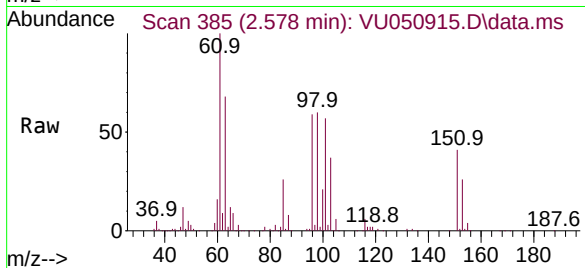
Tgt Ion:101 Resp: 192252

Ion Ratio Lower Upper

101 100

85 44.3 35.1 52.7

151 71.0 56.6 84.8



#12

1,1-Dichloroethene

Concen: 53.101 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

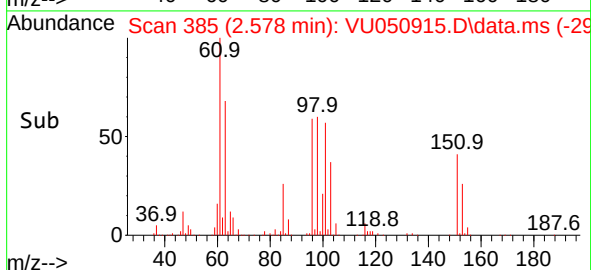
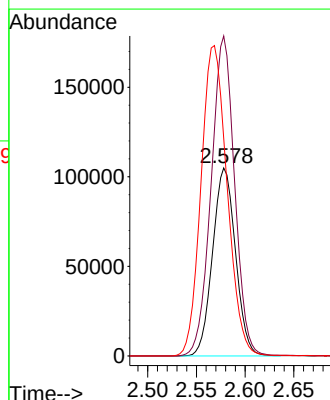
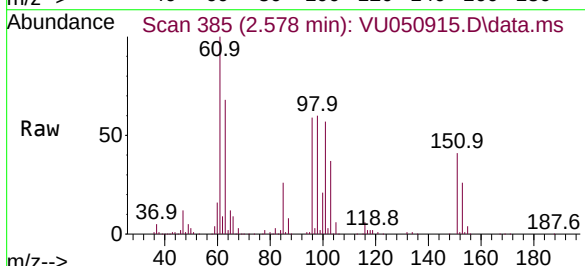
Tgt Ion: 96 Resp: 171572

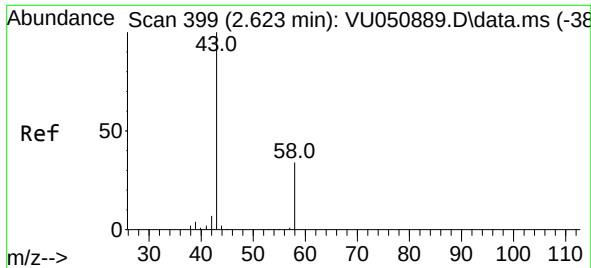
Ion Ratio Lower Upper

96 100

61 170.2 118.6 220.2

63 115.7 90.4 168.0





#13

Acetone

Concen: 111.202 ug/L

RT: 2.636 min Scan# 403

Delta R.T. 0.013 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

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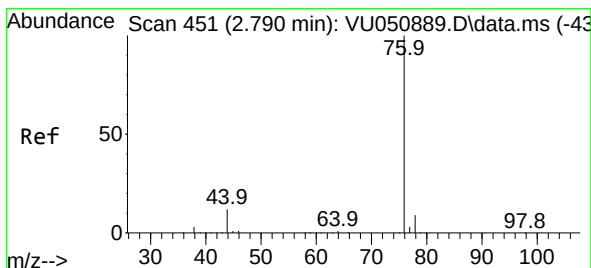
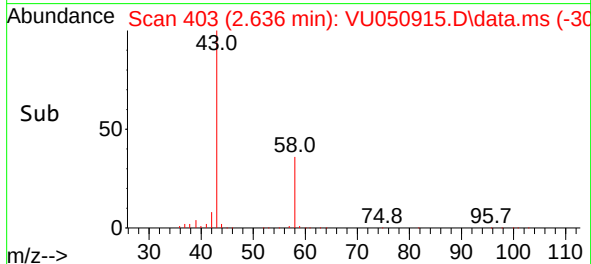
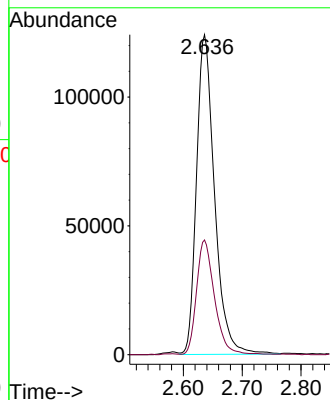
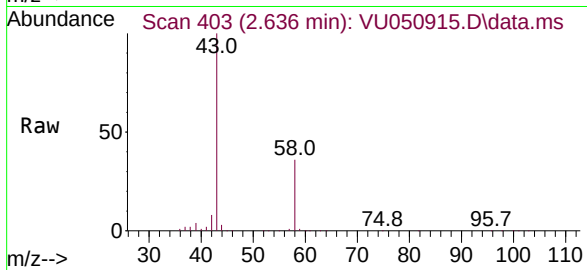
ClientSampleId :

Tgt Ion: 43 Resp: 264698

Ion Ratio Lower Upper

43 100

58 35.1 0.0 71.4



#14

Carbon disulfide

Concen: 50.584 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU050915.D

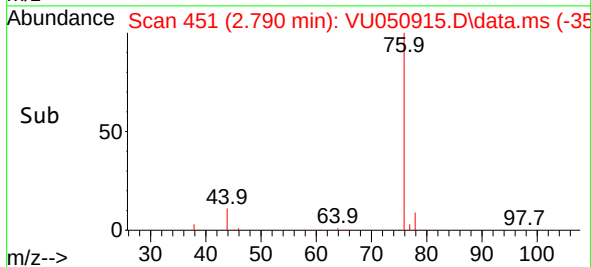
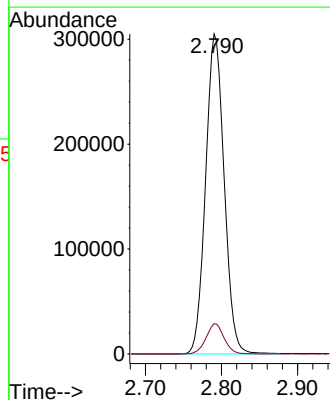
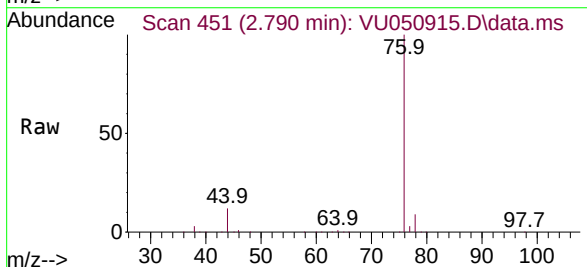
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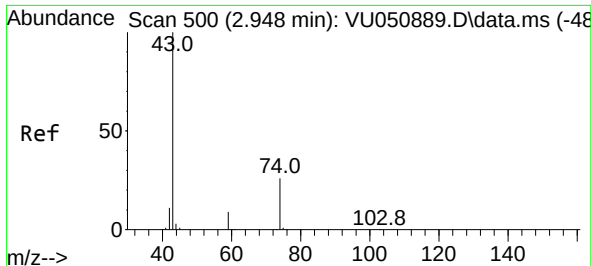
Tgt Ion: 76 Resp: 516822

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

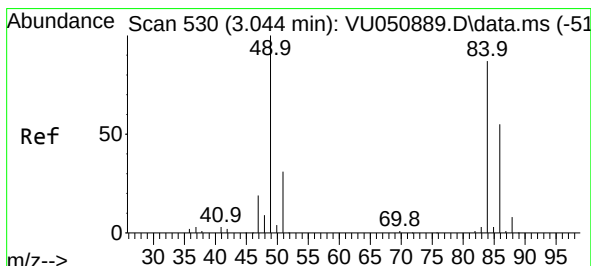
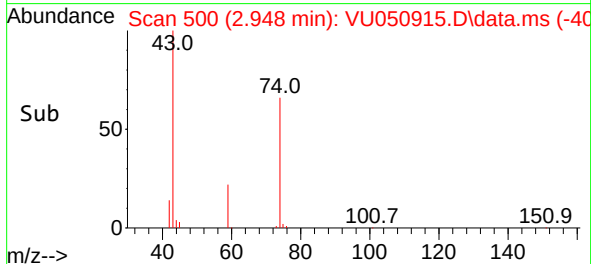
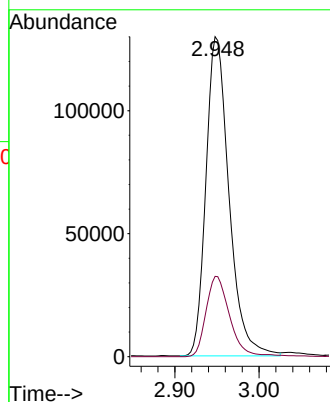
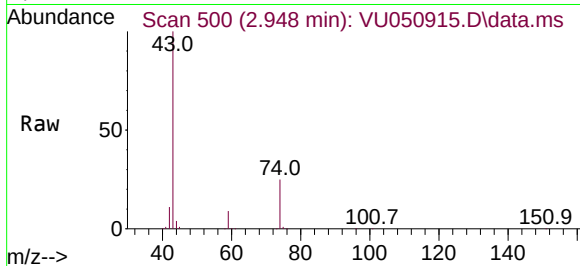




#15
Methyl Acetate
Concen: 55.039 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

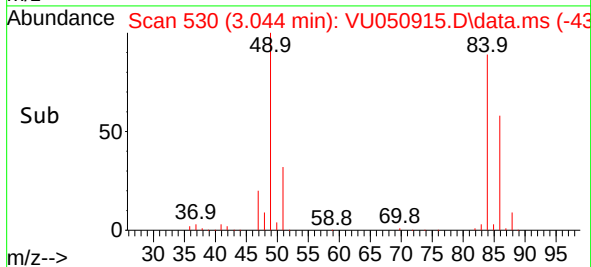
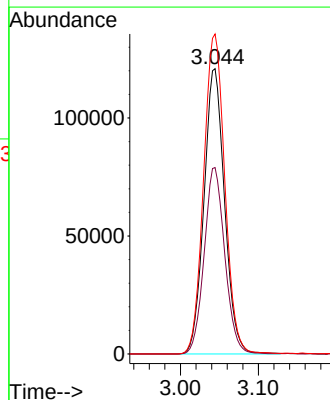
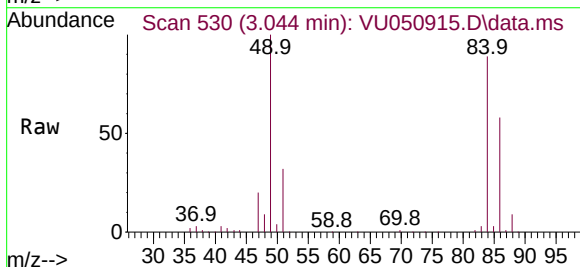
Instrument :
MSVOA_U
ClientSampleId :

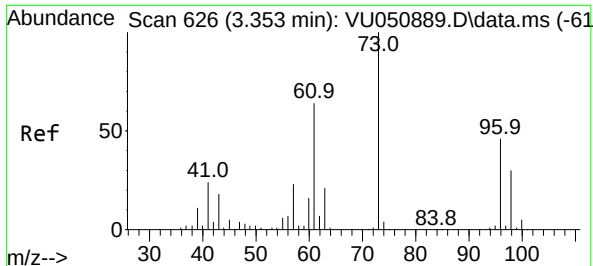
Tgt Ion: 43 Resp: 247237
Ion Ratio Lower Upper
43 100
74 25.4 19.9 29.9



#16
Methylene chloride
Concen: 49.535 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion: 84 Resp: 222233
Ion Ratio Lower Upper
84 100
86 65.3 44.4 82.5
49 112.2 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 52.714 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

ClientSampleId :

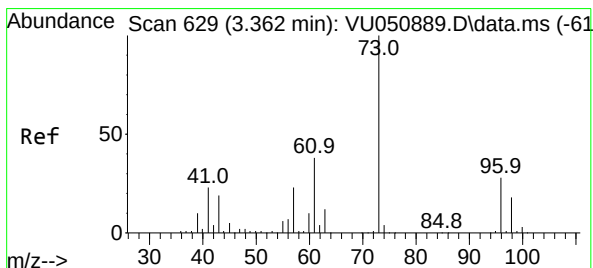
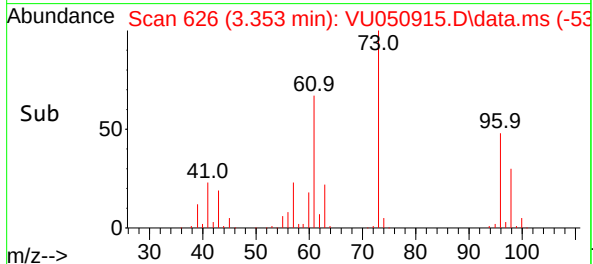
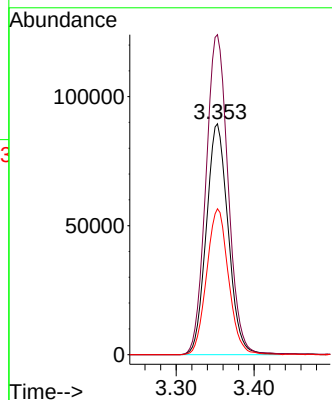
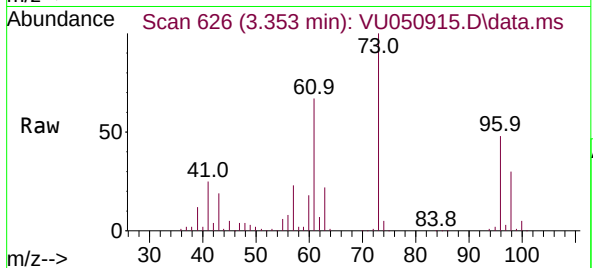
Tgt Ion: 96 Resp: 174570

Ion Ratio Lower Upper

96 100

61 138.6 98.0 182.0

98 63.2 44.3 82.3



#18

Methyl tert-butyl Ether

Concen: 52.351 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

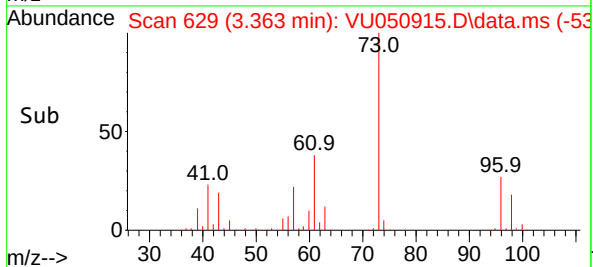
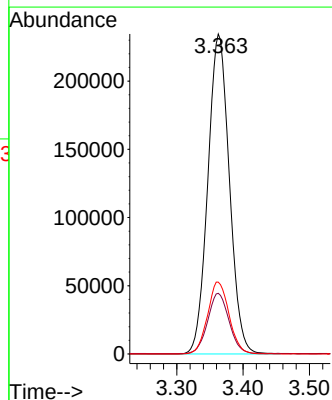
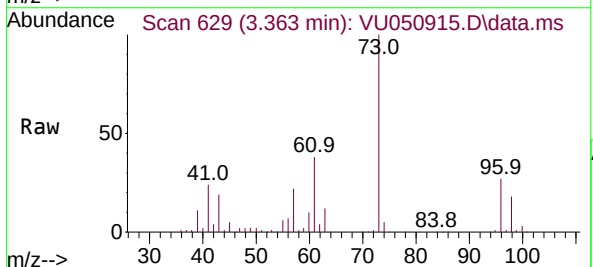
Tgt Ion: 73 Resp: 528514

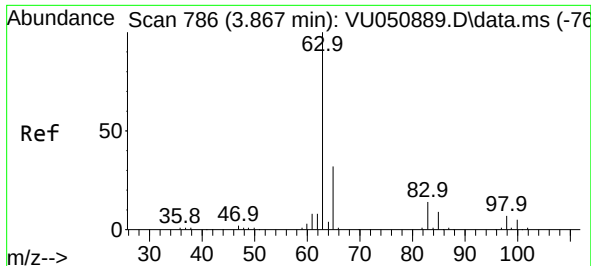
Ion Ratio Lower Upper

73 100

43 18.7 14.4 21.6

57 22.5 18.6 27.8

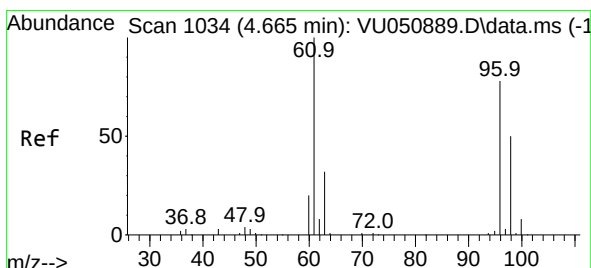
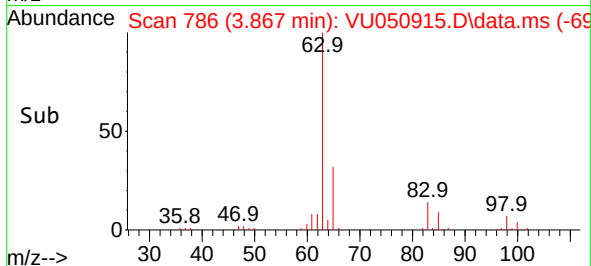
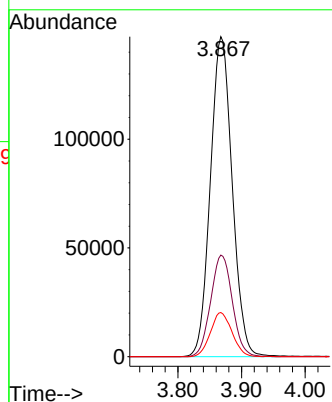
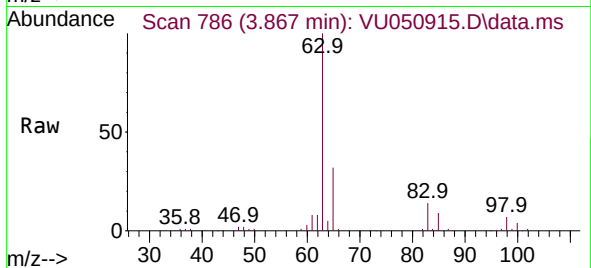




#19
1,1-Dichloroethane
Concen: 52.376 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

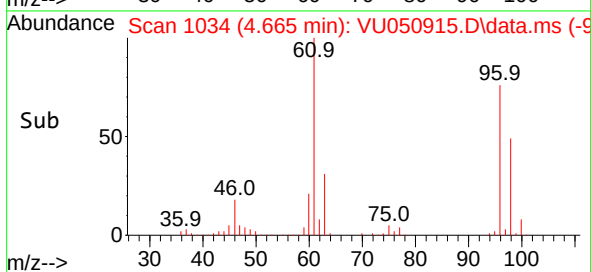
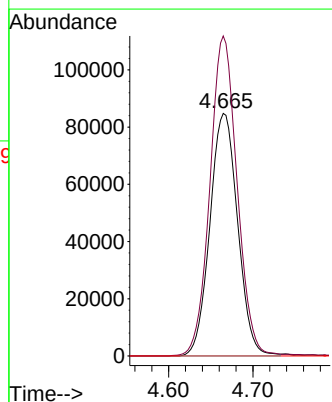
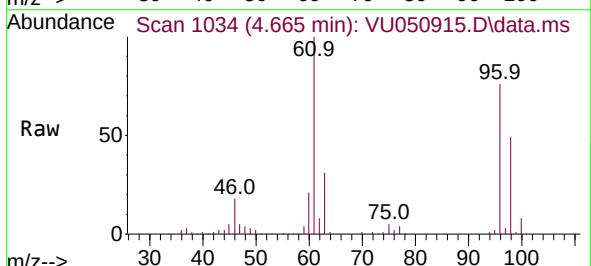
Instrument :
MSVOA_U
ClientSampleId :

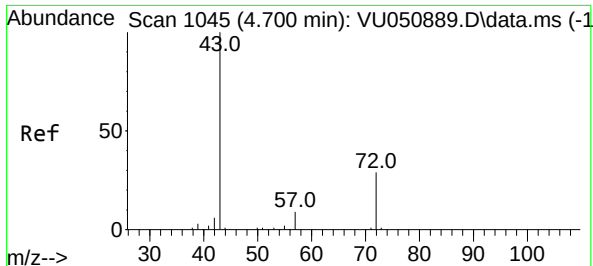
Tgt Ion: 63 Resp: 350471
Ion Ratio Lower Upper
63 100
65 31.8 21.5 39.9
83 13.8 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 52.767 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion: 96 Resp: 193756
Ion Ratio Lower Upper
96 100
61 131.9 90.1 167.3
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 122.637 ug/L

RT: 4.703 min Scan# 1045

Delta R.T. 0.003 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

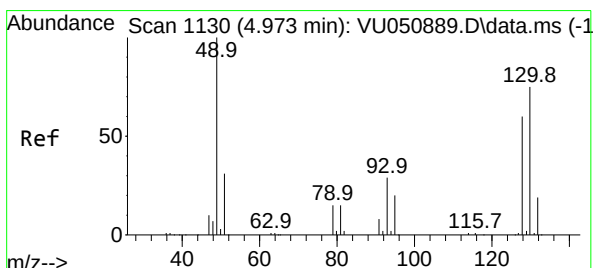
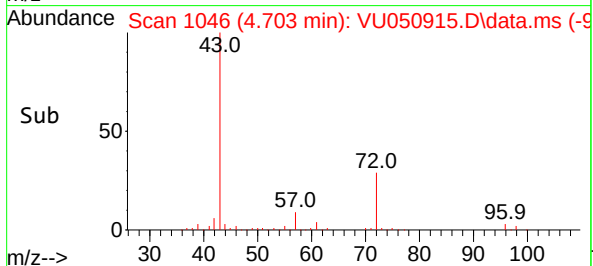
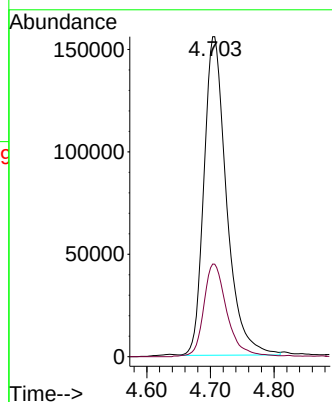
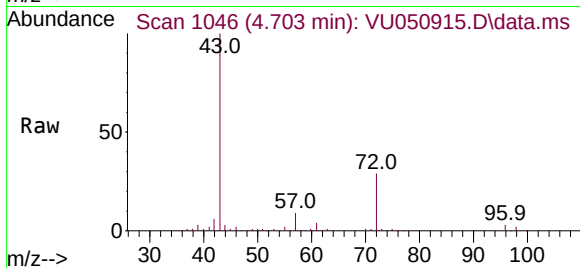
ClientSampleId :

Tgt Ion: 43 Resp: 384786

Ion Ratio Lower Upper

43 100

72 28.8 14.8 44.3



#23

Bromochloromethane

Concen: 53.238 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Tgt Ion:128 Resp: 102453

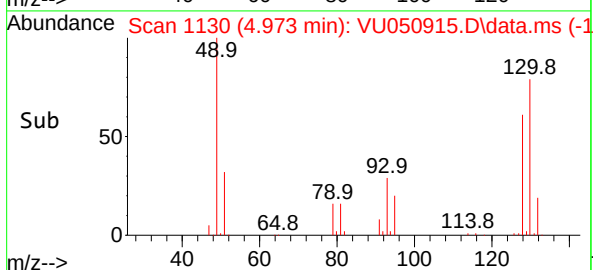
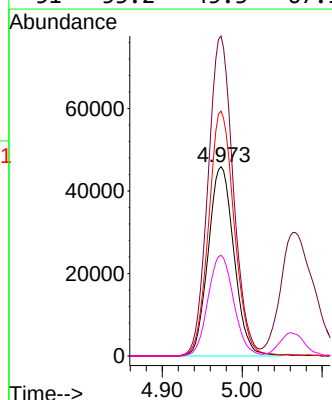
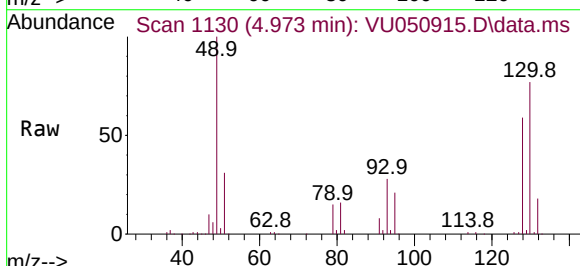
Ion Ratio Lower Upper

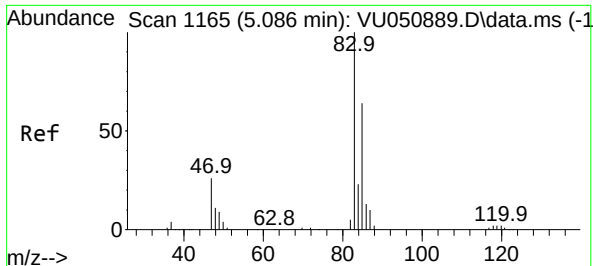
128 100

49 169.0 123.1 228.5

130 129.3 90.9 168.7

51 53.2 45.3 67.9





#25

Chloroform

Concen: 54.054 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

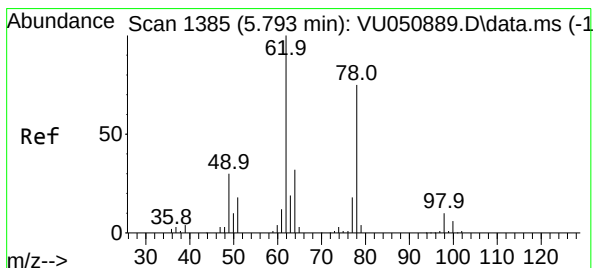
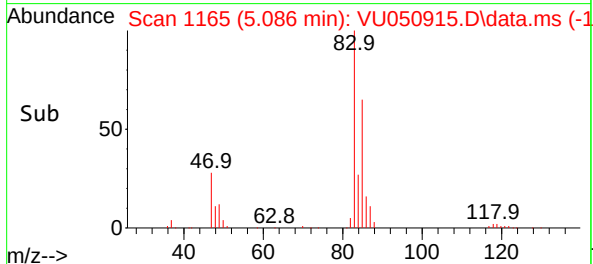
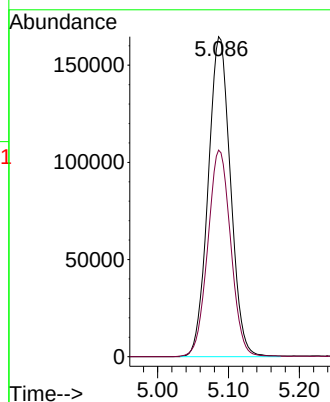
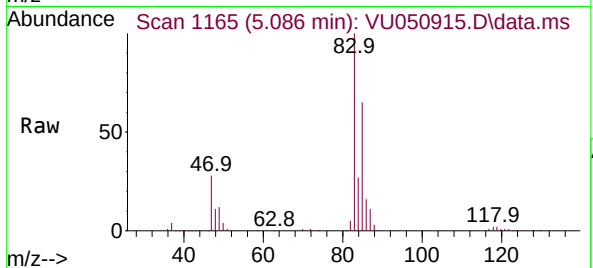
ClientSampleId :

Tgt Ion: 83 Resp: 360473

Ion Ratio Lower Upper

83 100

85 64.6 45.7 84.9



#27

1,2-Dichloroethane

Concen: 53.547 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU050915.D

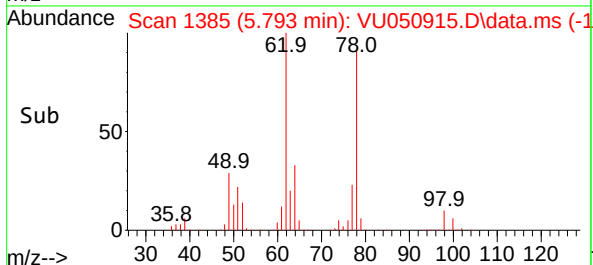
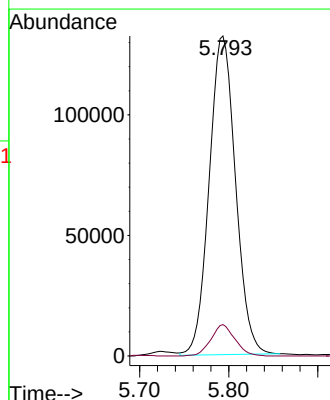
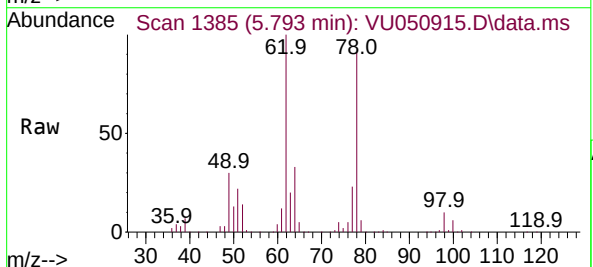
Acq: 23 Sep 2022 12:08

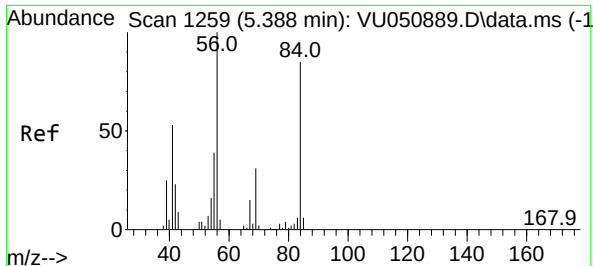
Tgt Ion: 62 Resp: 271377

Ion Ratio Lower Upper

62 100

98 9.8 7.4 11.0





#29

Cyclohexane

Concen: 52.770 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

ClientSampleId :

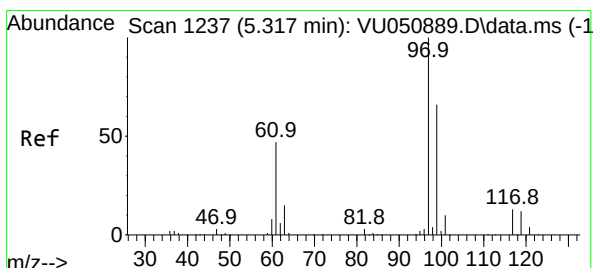
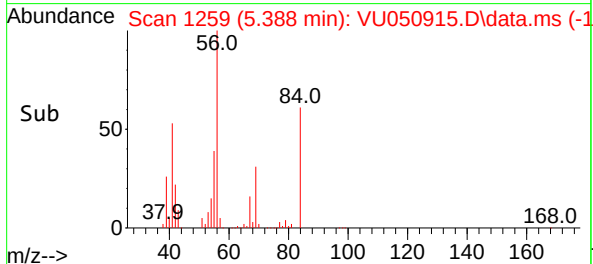
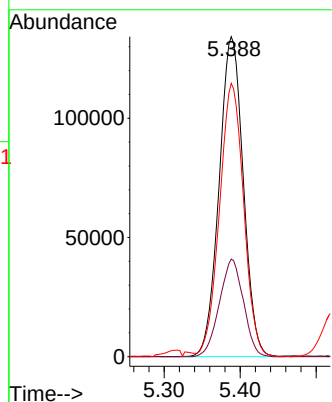
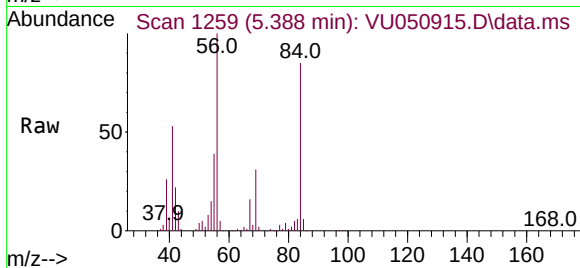
Tgt Ion: 56 Resp: 296026

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

84 85.3 66.4 99.6



#30

1,1,1-Trichloroethane

Concen: 54.933 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. -0.003 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

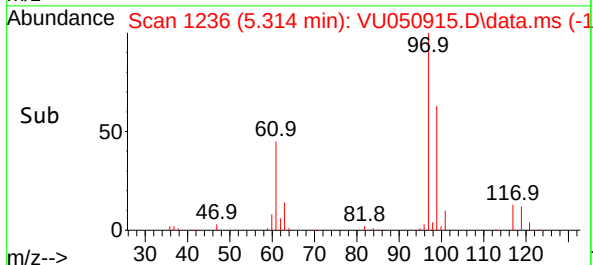
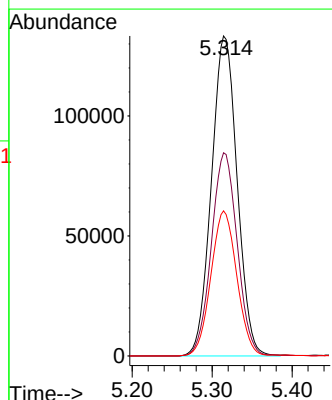
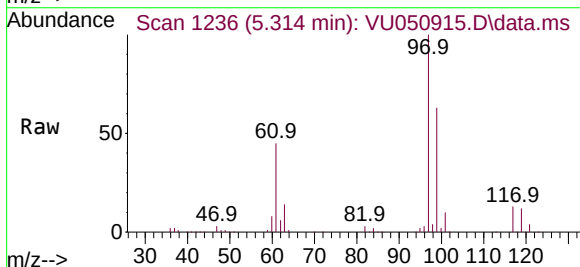
Tgt Ion: 97 Resp: 297907

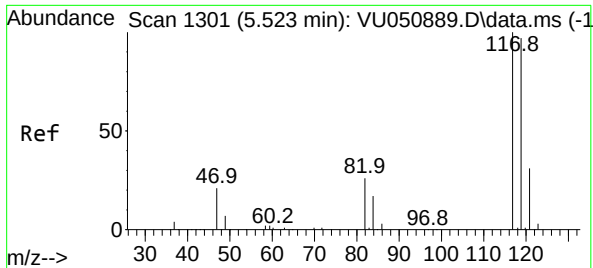
Ion Ratio Lower Upper

97 100

99 63.9 52.2 78.2

61 45.7 37.1 55.7

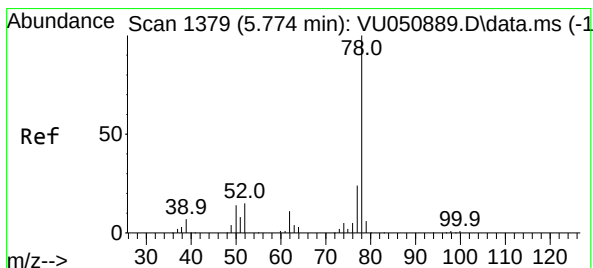
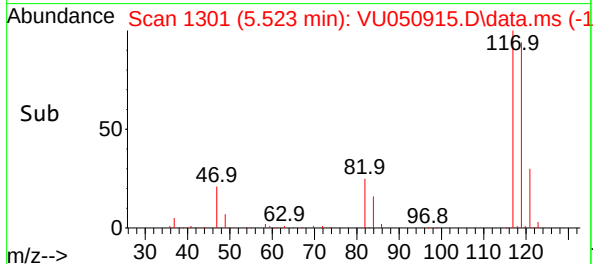
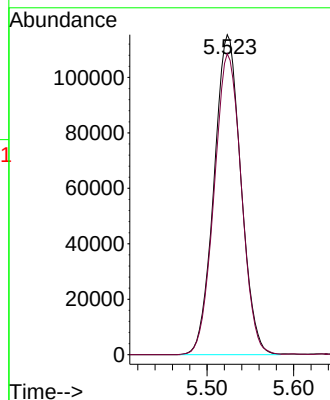
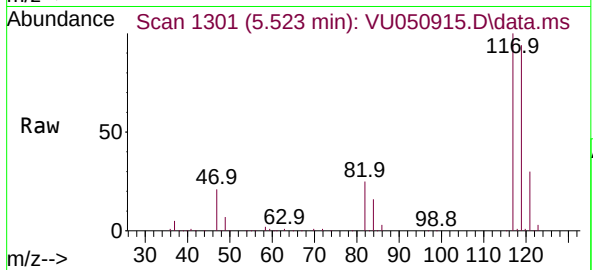




#31
Carbon tetrachloride
Concen: 55.279 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

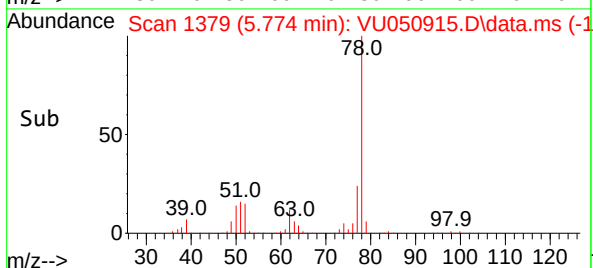
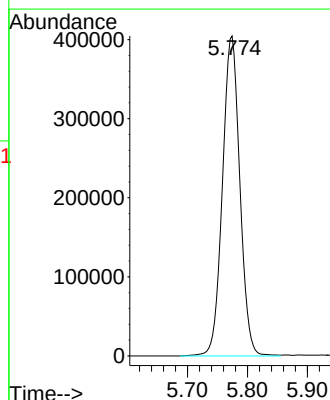
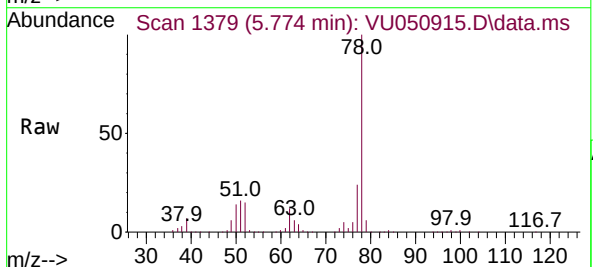
Instrument :
MSVOA_U
ClientSampleId :

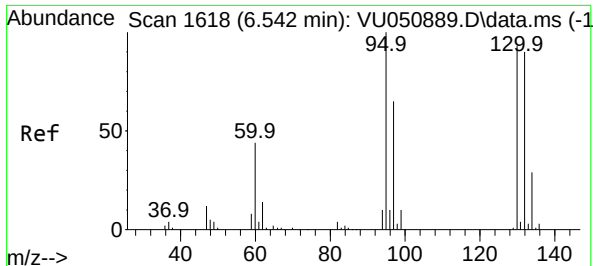
Tgt Ion:117 Resp: 249040
Ion Ratio Lower Upper
117 100
119 94.9 76.0 114.0



#33
Benzene
Concen: 54.210 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion: 78 Resp: 813230

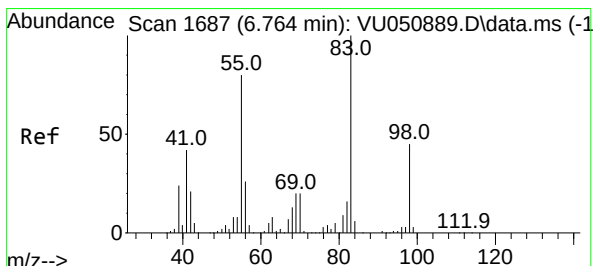
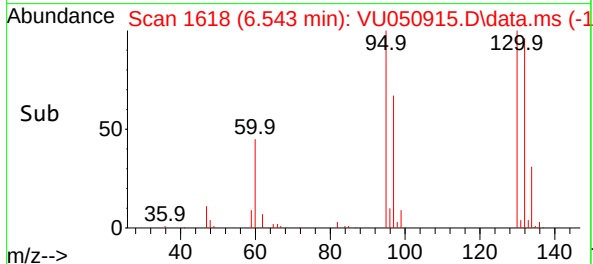
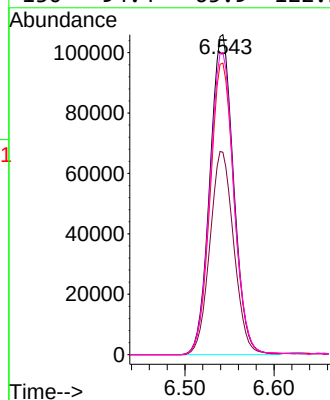
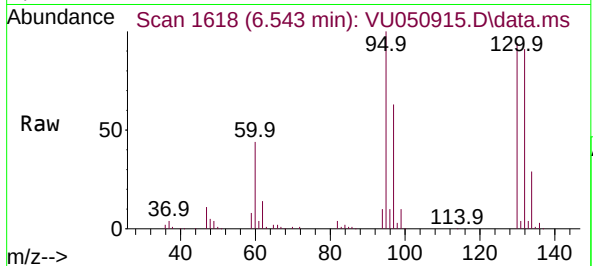




#34
Trichloroethene
Concen: 56.245 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

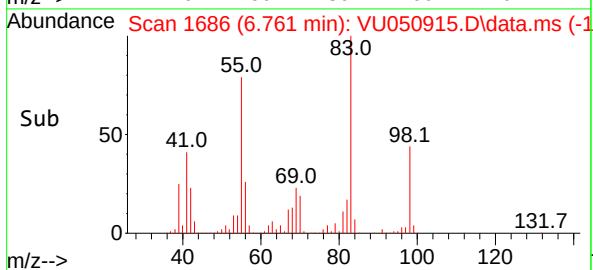
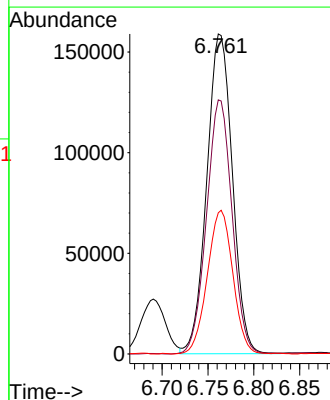
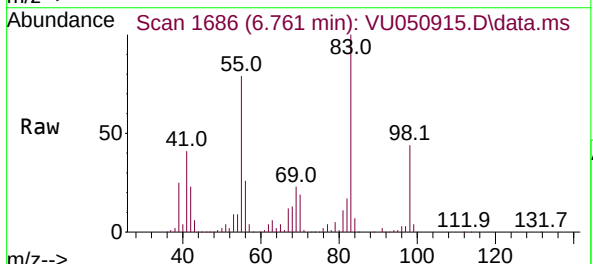
Instrument :
MSVOA_U
ClientSampleId :

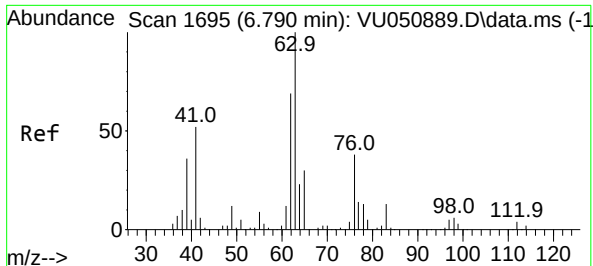
Tgt Ion: 95 Resp: 195994
Ion Ratio Lower Upper
95 100
97 63.3 43.9 81.5
132 91.1 63.1 117.1
130 94.4 65.9 122.3



#35
Methylcyclohexane
Concen: 55.060 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion: 83 Resp: 309144
Ion Ratio Lower Upper
83 100
55 79.1 64.7 97.1
98 44.7 35.2 52.8





#37

1,2-Dichloropropane

Concen: 52.655 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

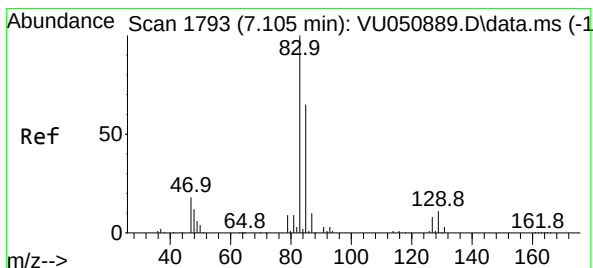
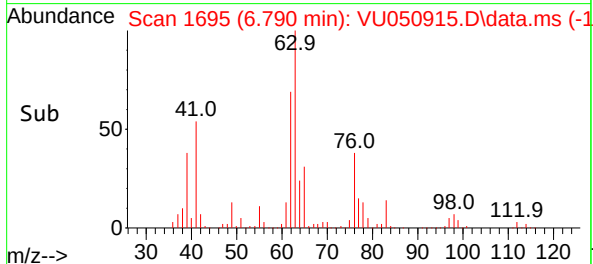
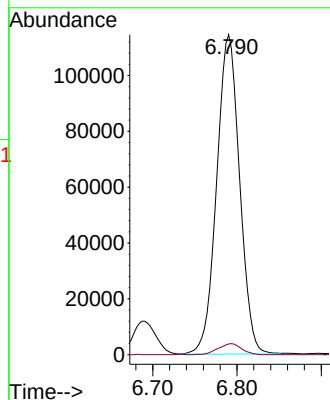
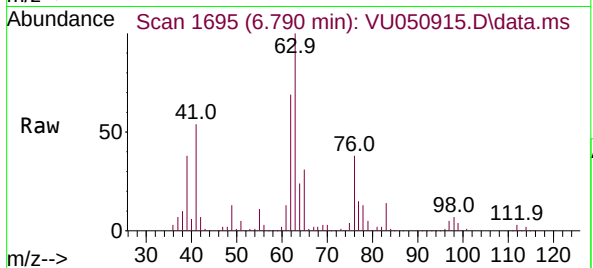
ClientSampleId :

Tgt Ion: 63 Resp: 216151

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



#38

Bromodichloromethane

Concen: 54.539 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

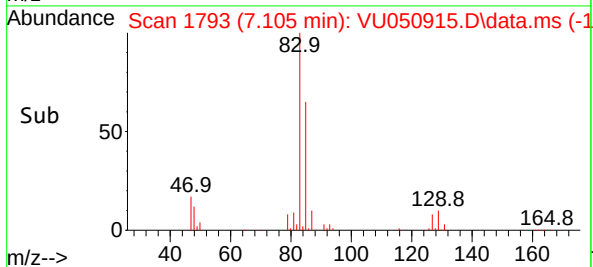
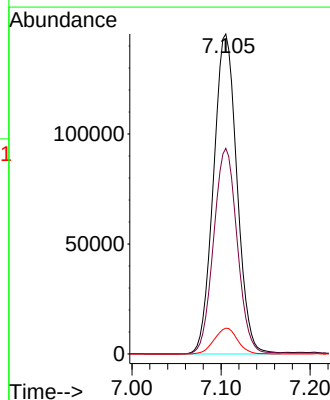
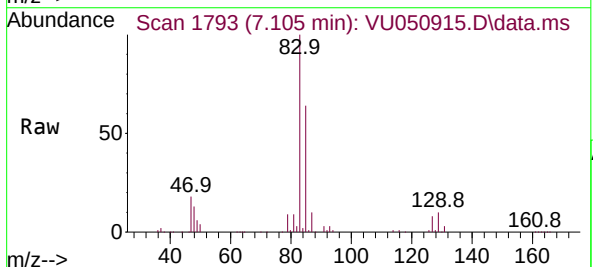
Tgt Ion: 83 Resp: 266745

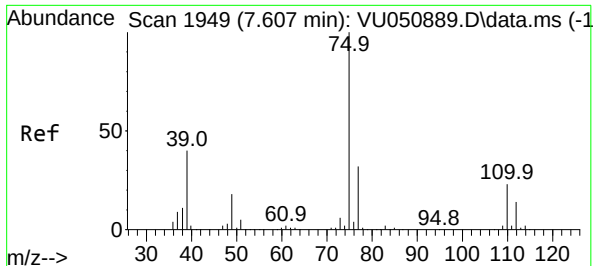
Ion Ratio Lower Upper

83 100

85 64.3 44.3 82.3

127 8.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 52.179 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

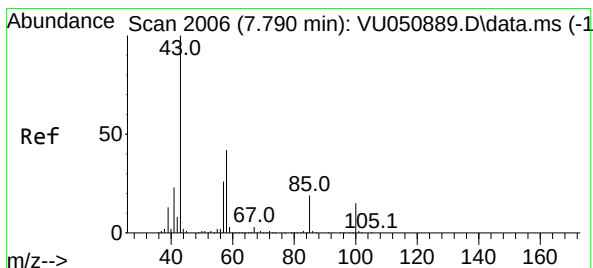
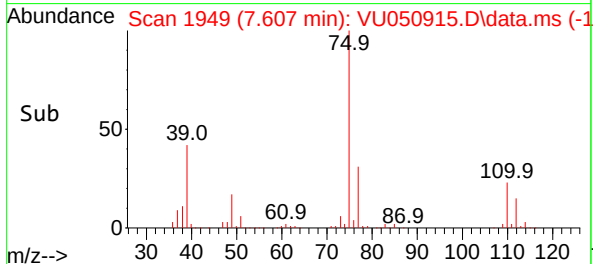
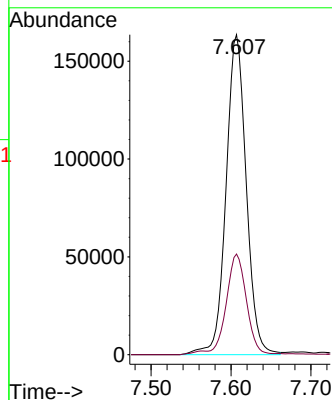
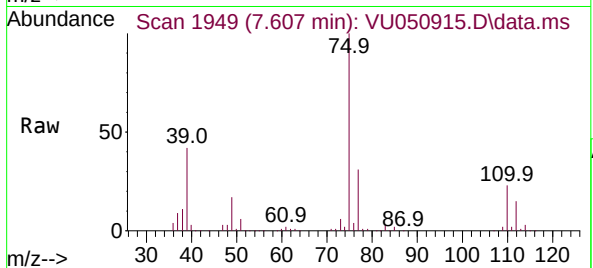
ClientSampleId :

Tgt Ion: 75 Resp: 286634

Ion Ratio Lower Upper

75 100

77 31.5 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 117.312 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

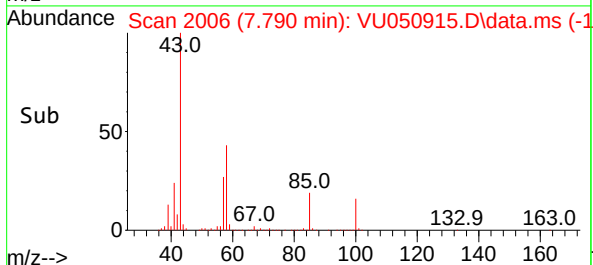
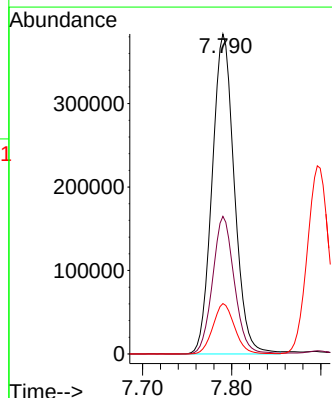
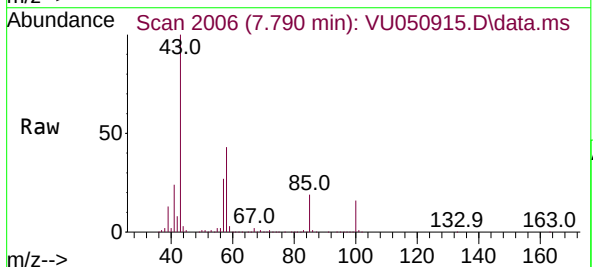
Tgt Ion: 43 Resp: 663675

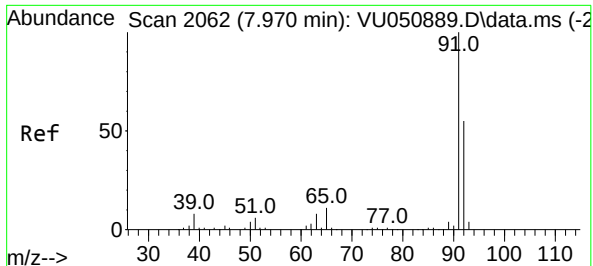
Ion Ratio Lower Upper

43 100

58 42.2 33.8 50.6

100 15.4 12.0 18.0





#42

Toluene

Concen: 56.347 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

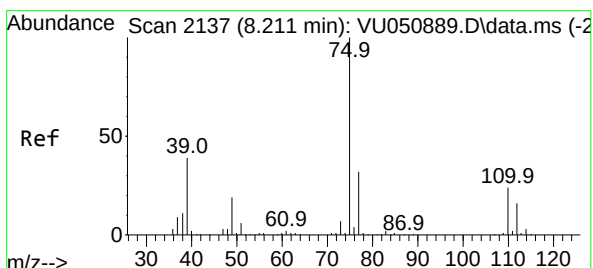
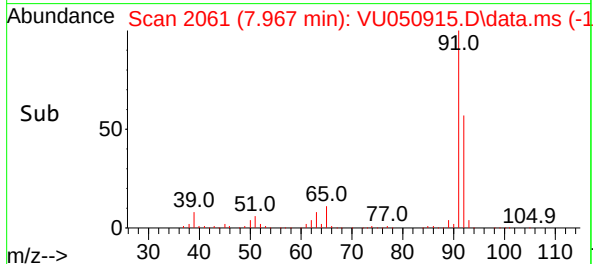
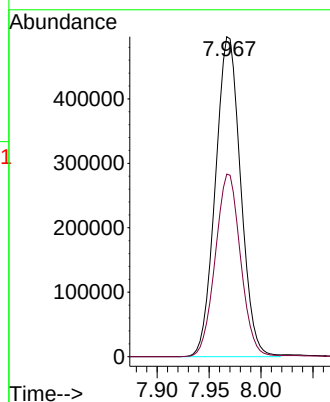
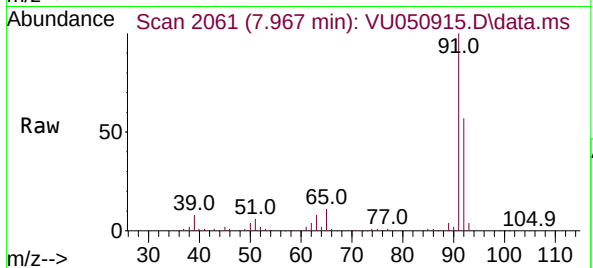
ClientSampleId :

Tgt Ion: 91 Resp: 839141

Ion Ratio Lower Upper

91 100

92 57.1 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 52.988 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU050915.D

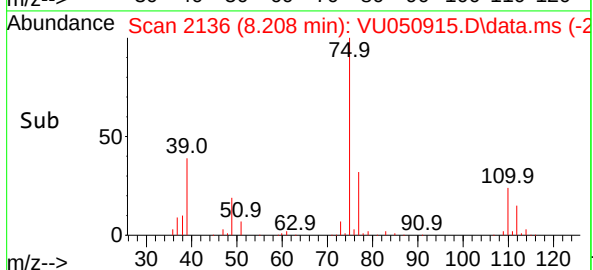
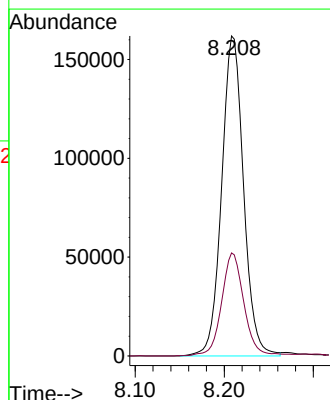
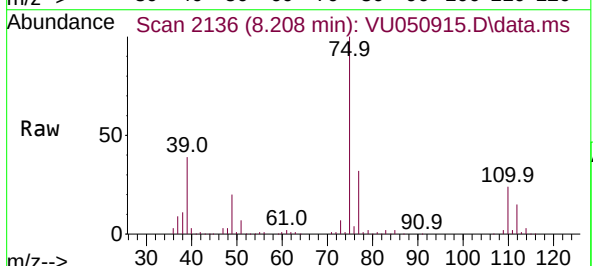
Acq: 23 Sep 2022 12:08

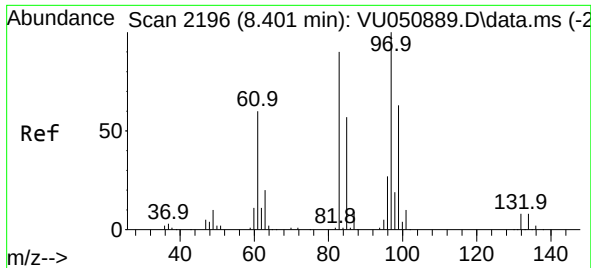
Tgt Ion: 75 Resp: 276893

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7

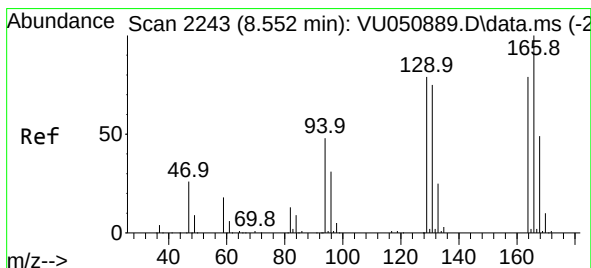
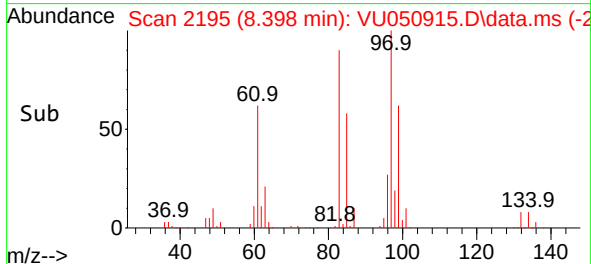
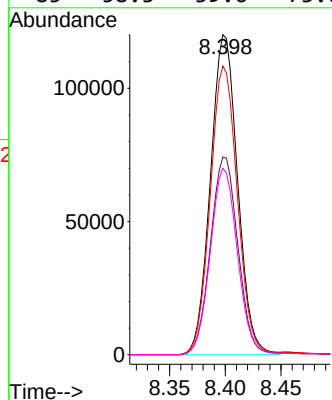
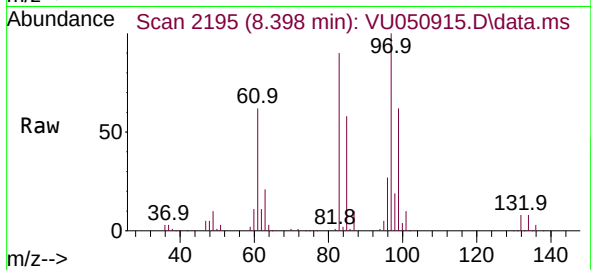




#45
1,1,2-Trichloroethane
Concen: 53.908 ug/L
RT: 8.398 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

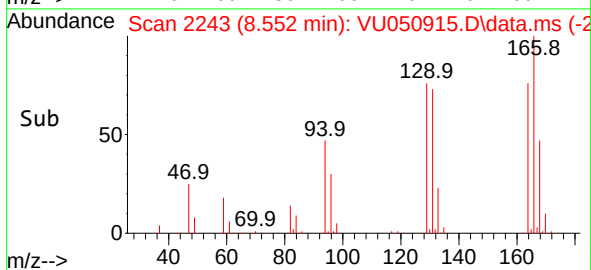
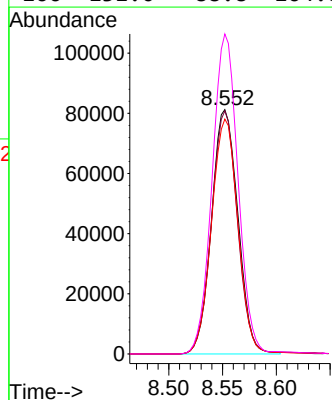
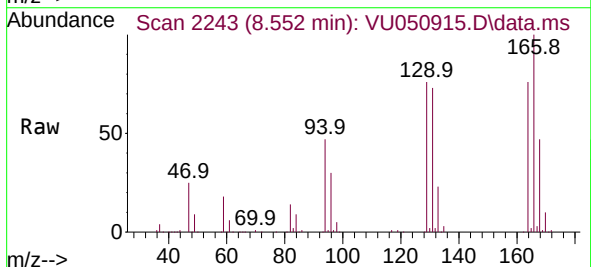
Instrument :
MSVOA_U
ClientSampleId :

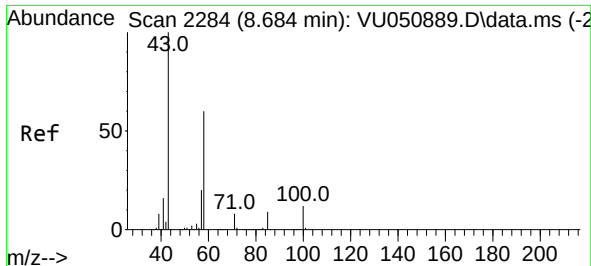
Tgt Ion:	97	Resp:	203934
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.8	81.4
83	90.2	62.6	116.3
85	58.3	39.6	73.6



#46
Tetrachloroethene
Concen: 55.356 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion:	164	Resp:	138619
Ion	Ratio	Lower	Upper
164	100		
129	99.5	68.5	127.3
131	96.2	66.1	122.7
166	131.0	88.8	164.8

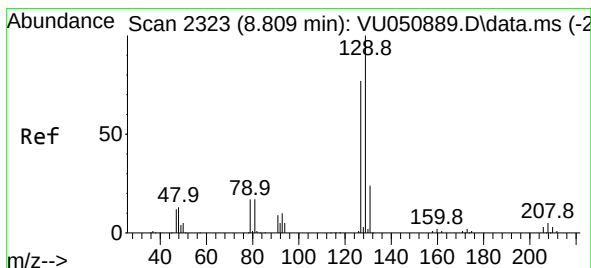
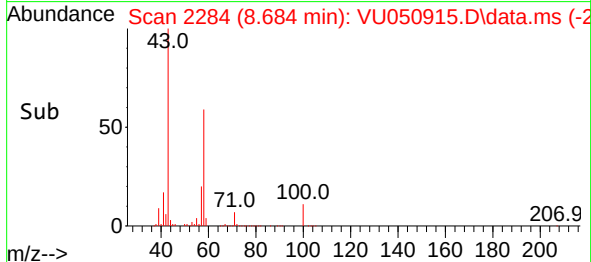
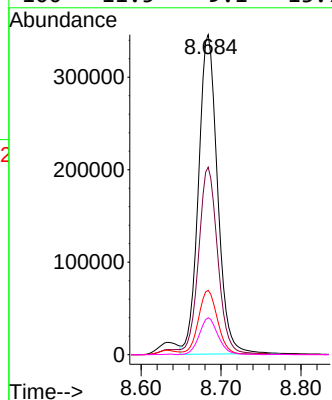
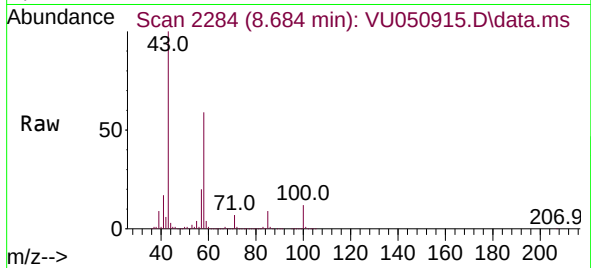




#48
2-Hexanone
Concen: 121.237 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

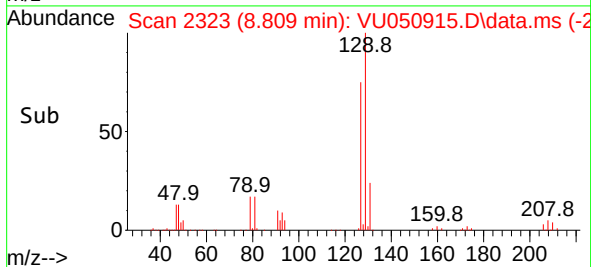
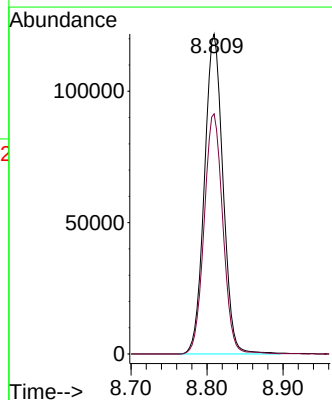
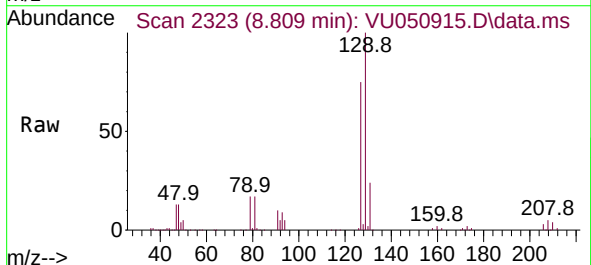
Instrument :
MSVOA_U
ClientSampleId :

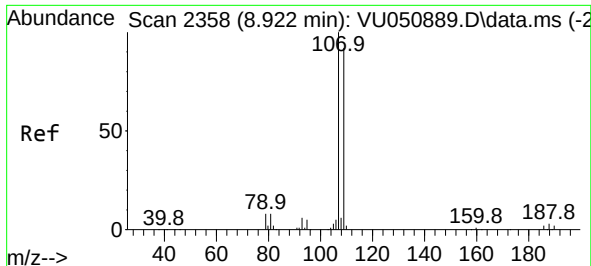
Tgt Ion:	43	Resp:	573120
Ion	Ratio	Lower	Upper
43	100		
58	58.2	47.2	70.8
57	20.1	16.2	24.4
100	11.5	9.1	13.7



#49
Dibromochloromethane
Concen: 55.738 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion:	129	Resp:	206747
Ion	Ratio	Lower	Upper
129	100		
127	75.0	54.5	101.1

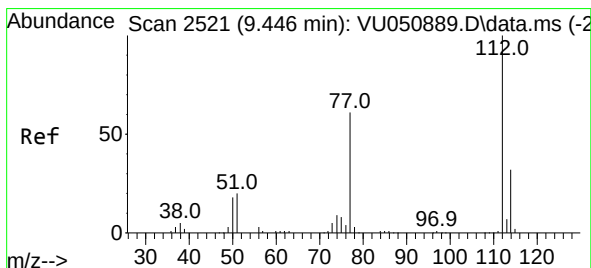
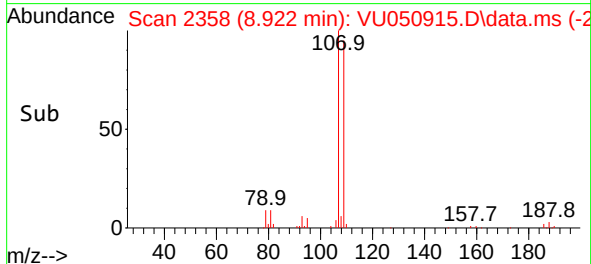
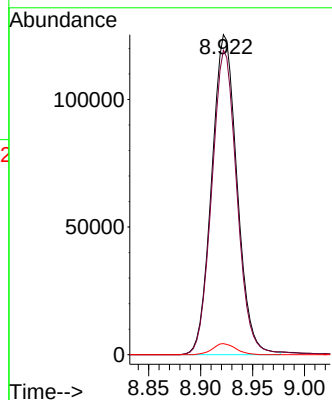
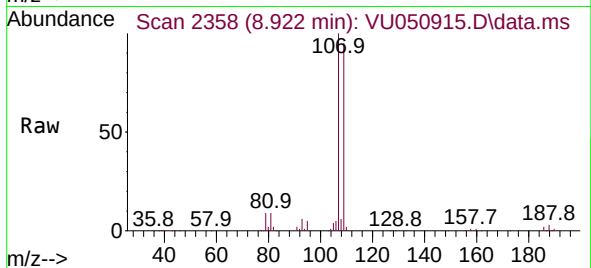




#50
1,2-Dibromoethane
Concen: 54.401 ug/L
RT: 8.922 min Scan# 213521
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

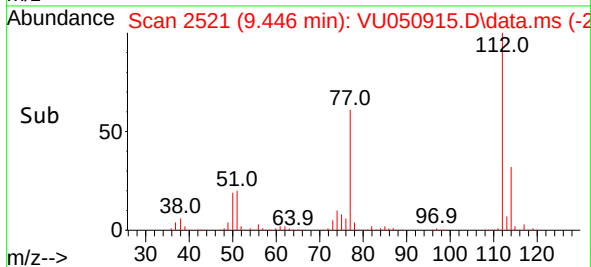
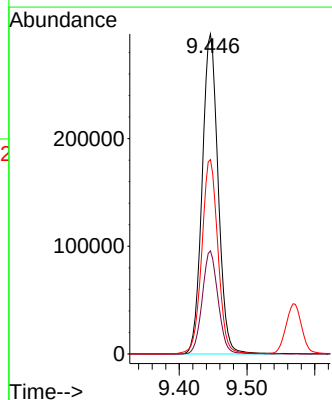
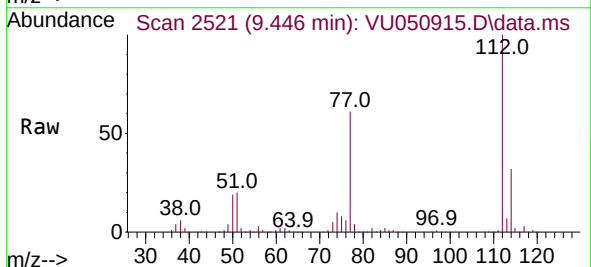
Instrument :
MSVOA_U
ClientSampleId :

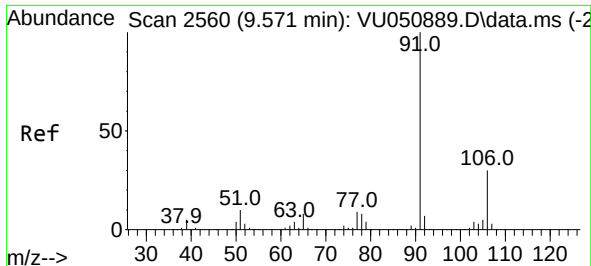
Tgt Ion:107 Resp: 213521
Ion Ratio Lower Upper
107 100
109 95.1 66.0 122.6
188 3.4 2.5 3.7



#51
Chlorobenzene
Concen: 53.509 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion:112 Resp: 486498
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 60.8 49.8 74.8

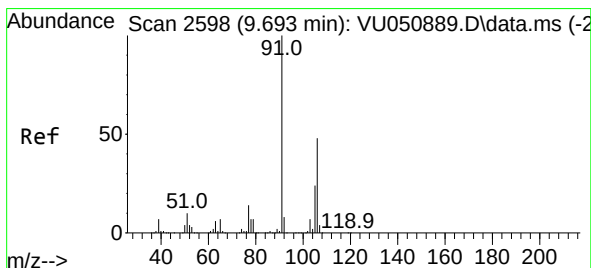
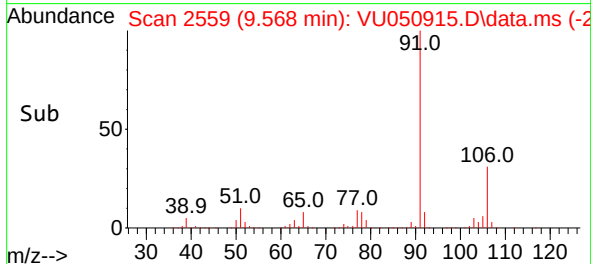
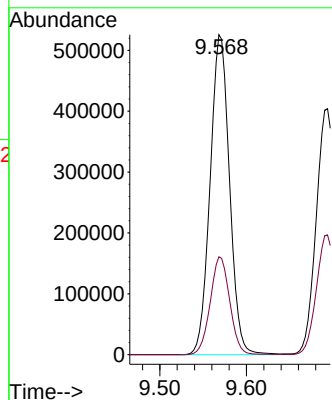
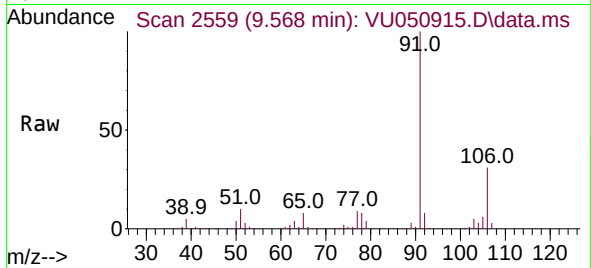




#52
Ethylbenzene
Concen: 55.039 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

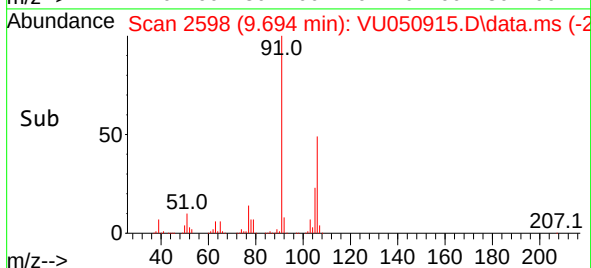
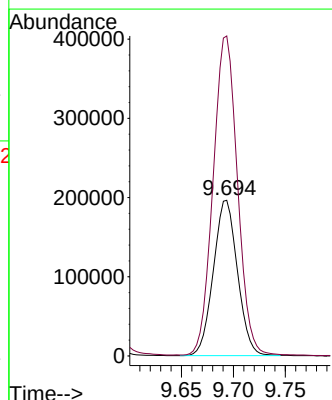
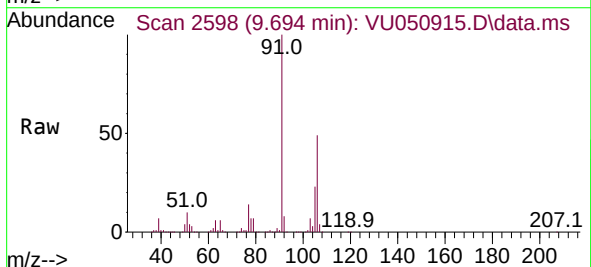
Instrument :
MSVOA_U
ClientSampleId :

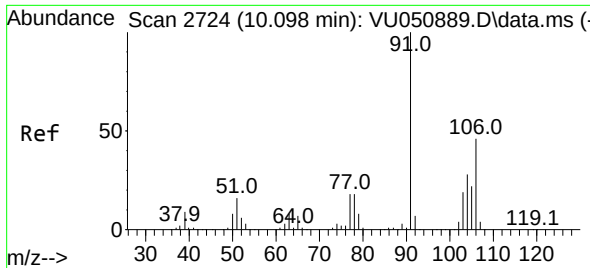
Tgt Ion: 91 Resp: 817699
Ion Ratio Lower Upper
91 100
106 30.6 21.0 39.0



#53
m,p-Xylene
Concen: 57.320 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion: 106 Resp: 316604
Ion Ratio Lower Upper
106 100
91 205.4 144.0 267.4

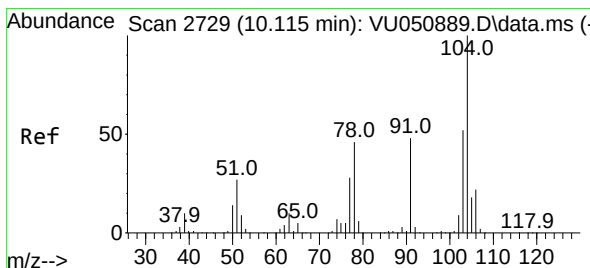
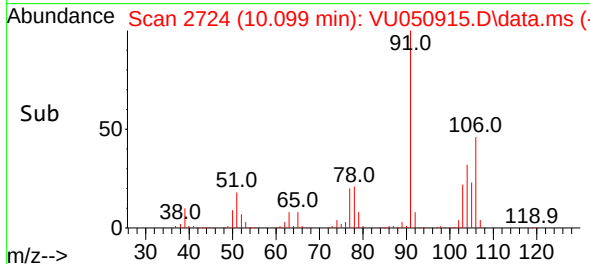
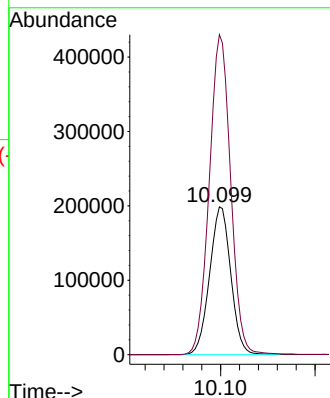
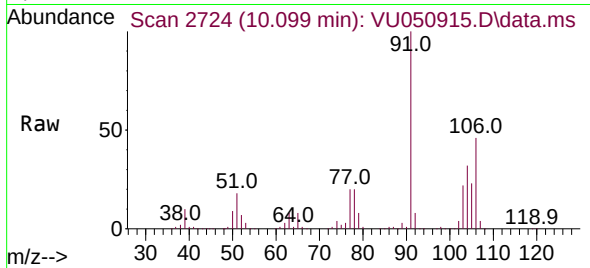




#54
o-Xylene
Concen: 56.203 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

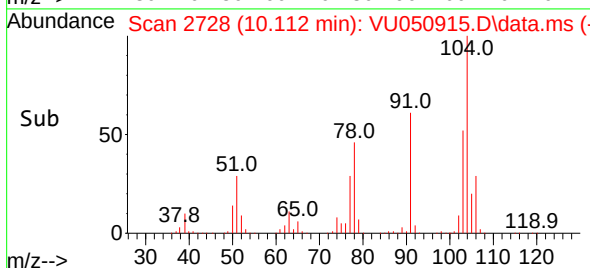
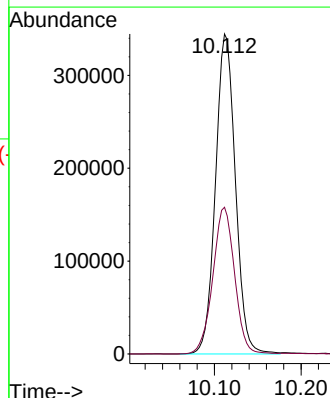
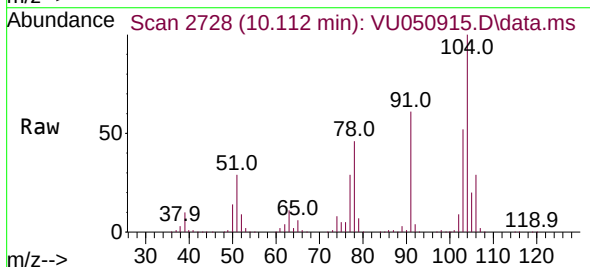
Instrument :
MSVOA_U
ClientSampleId :

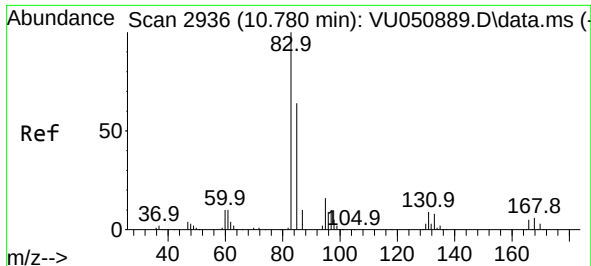
Tgt Ion:106 Resp: 309308
Ion Ratio Lower Upper
106 100
91 216.5 154.6 287.0



#55
Styrene
Concen: 58.432 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion:104 Resp: 551345
Ion Ratio Lower Upper
104 100
78 45.9 32.4 60.2

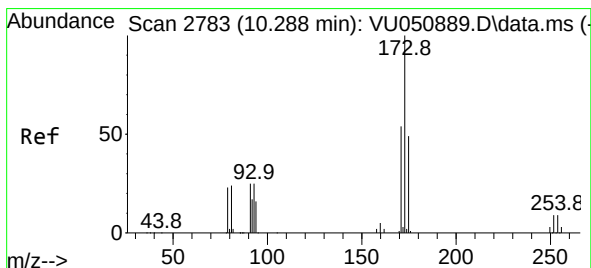
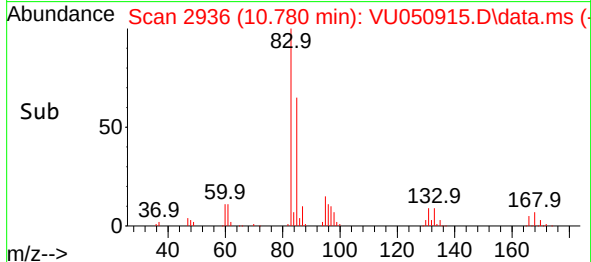
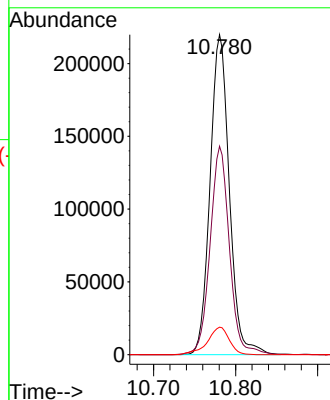
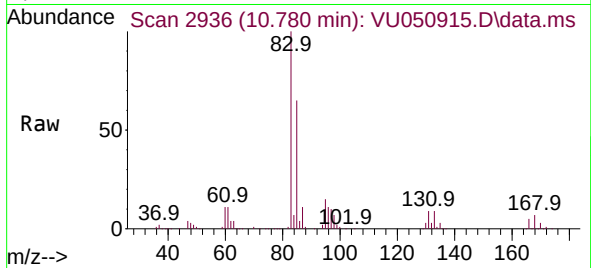




#57
1,1,2,2-Tetrachloroethane
Concen: 51.327 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

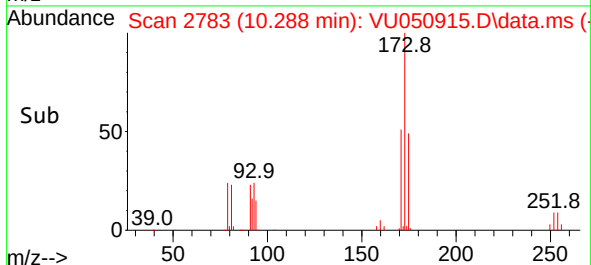
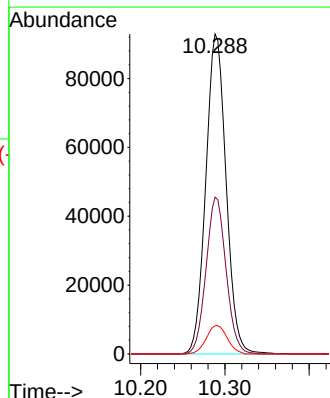
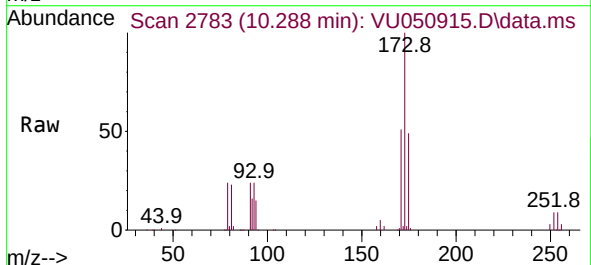
Instrument :
MSVOA_U
ClientSampleId :

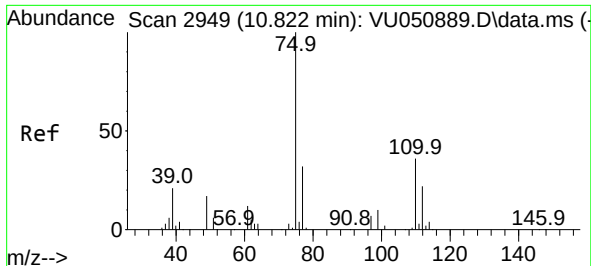
Tgt Ion: 83 Resp: 359284
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9
131 8.6 7.1 10.7



#59
Bromoform
Concen: 53.154 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion: 173 Resp: 155606
Ion Ratio Lower Upper
173 100
175 48.3 37.8 56.8
254 9.2 7.1 10.7

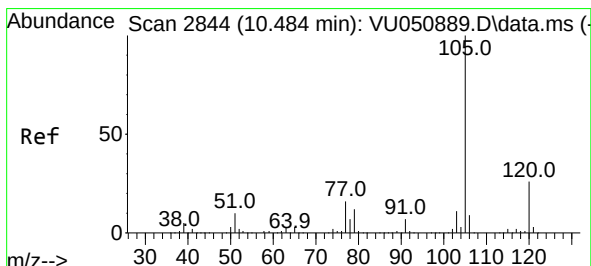
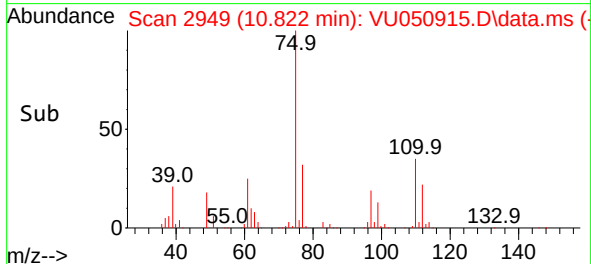
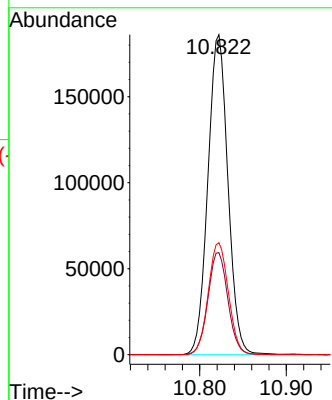
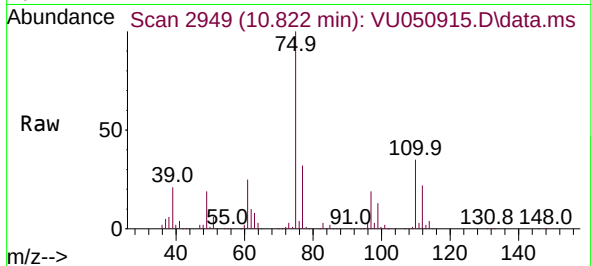




#60
 1,2,3-Trichloropropane
 Concen: 52.435 ug/L
 RT: 10.822 min Scan# 2949
 Delta R.T. 0.000 min
 Lab File: VU050915.D
 Acq: 23 Sep 2022 12:08

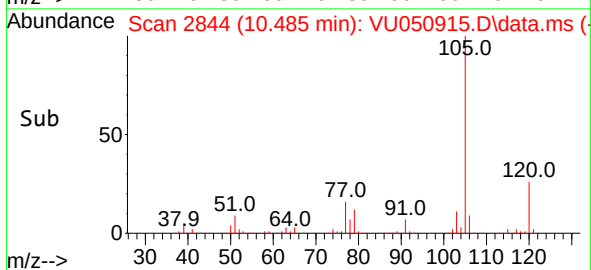
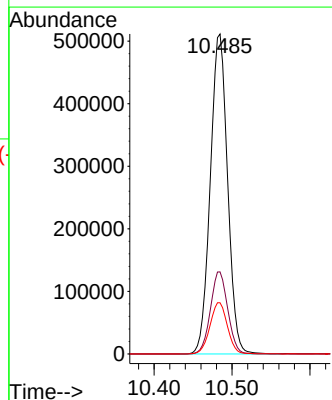
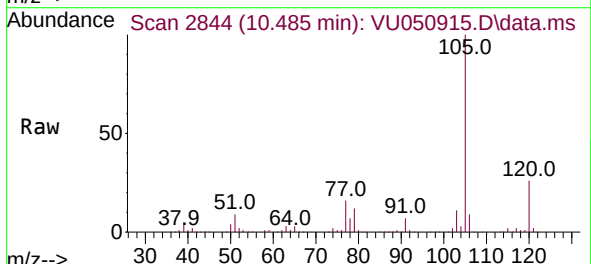
Instrument :
 MSVOA_U
 ClientSampleId :

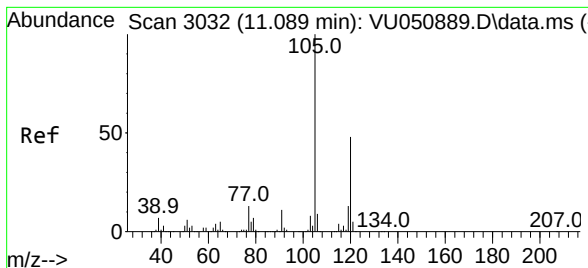
Tgt Ion: 75 Resp: 299142
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.4
 110 35.2 28.6 43.0



#61
 Isopropylbenzene
 Concen: 54.332 ug/L
 RT: 10.485 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: VU050915.D
 Acq: 23 Sep 2022 12:08

Tgt Ion: 105 Resp: 787530
 Ion Ratio Lower Upper
 105 100
 120 25.7 20.5 30.7
 77 16.2 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 54.938 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

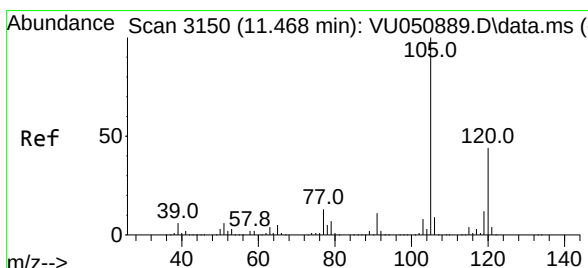
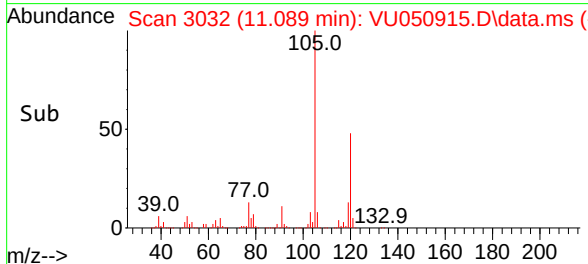
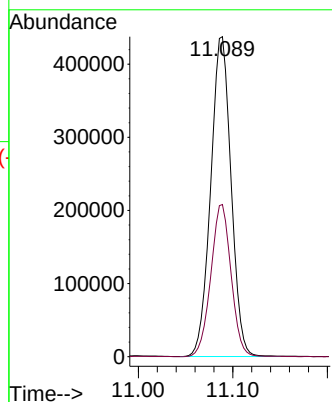
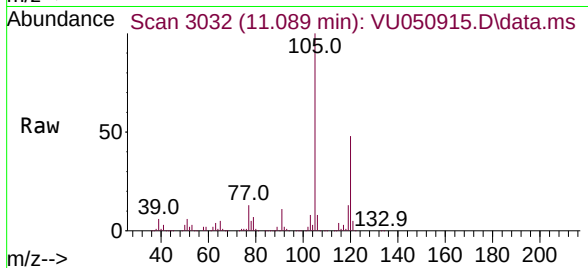
ClientSampleId :

Tgt Ion:105 Resp: 654610

Ion Ratio Lower Upper

105 100

120 47.3 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 56.376 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU050915.D

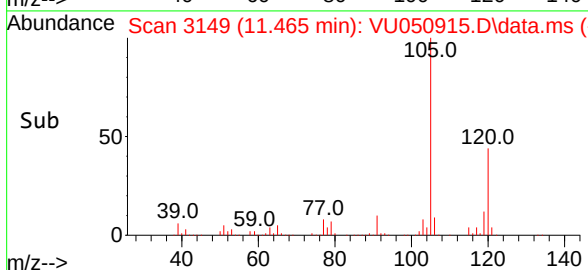
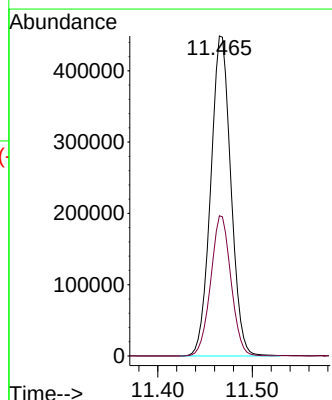
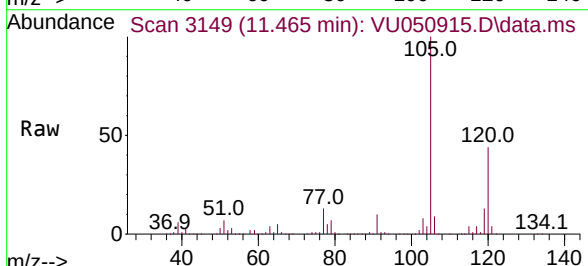
Acq: 23 Sep 2022 12:08

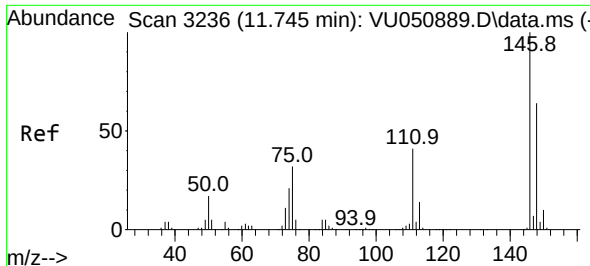
Tgt Ion:105 Resp: 665237

Ion Ratio Lower Upper

105 100

120 44.0 34.9 52.3

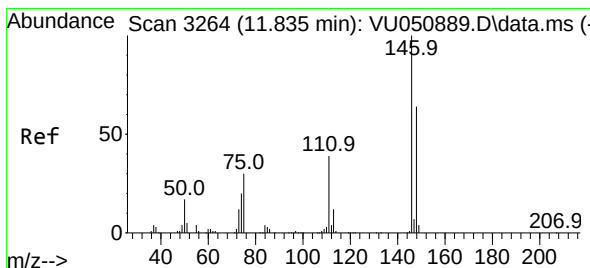
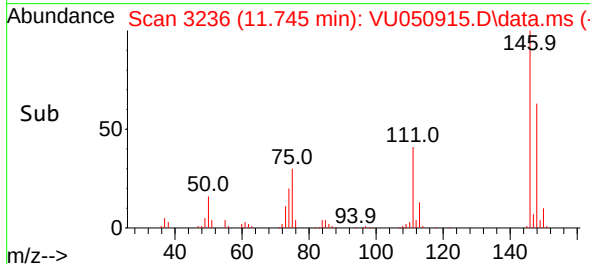
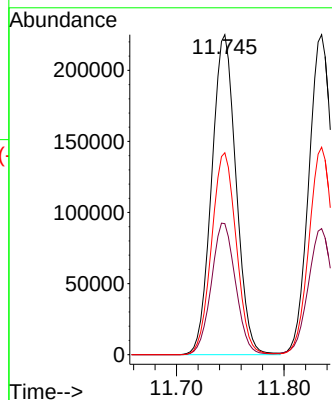
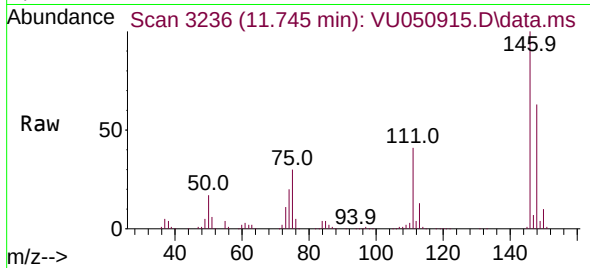




#64
1,3-Dichlorobenzene
Concen: 53.517 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

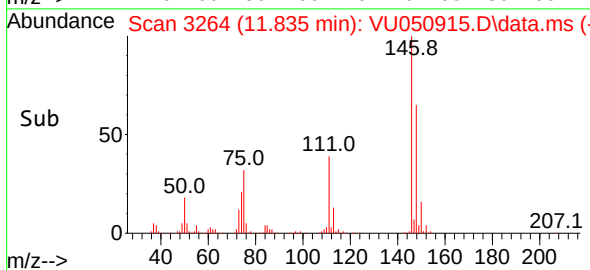
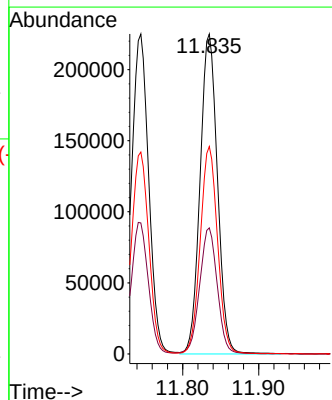
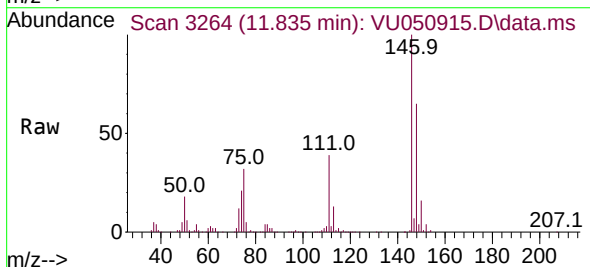
Instrument :
MSVOA_U
ClientSampleId :

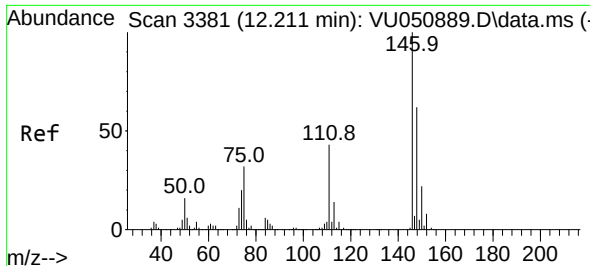
Tgt Ion:146 Resp: 354727
Ion Ratio Lower Upper
146 100
111 41.0 27.9 51.7
148 63.1 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 53.113 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion:146 Resp: 357409
Ion Ratio Lower Upper
146 100
111 39.4 27.5 51.1
148 64.9 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 53.091 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

ClientSampleId :

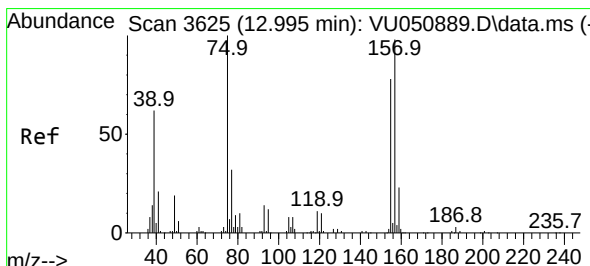
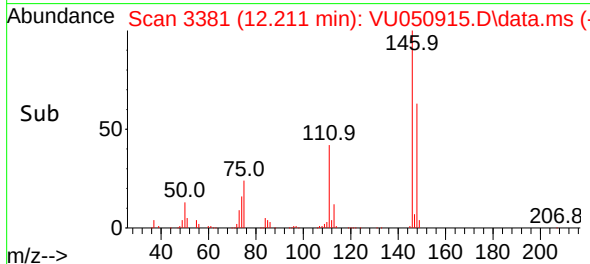
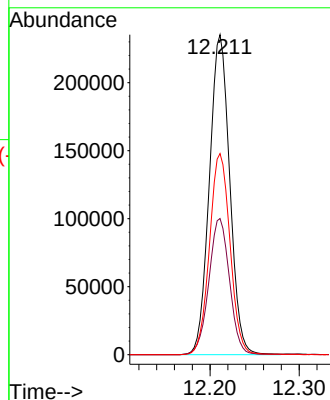
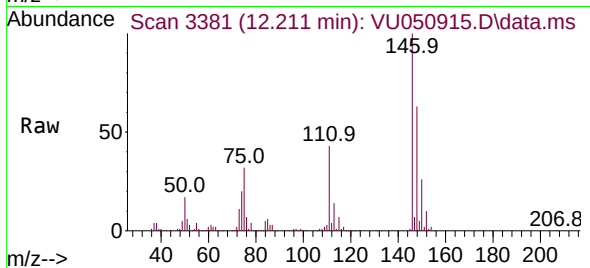
Tgt Ion:146 Resp: 372608

Ion Ratio Lower Upper

146 100

111 42.6 35.2 52.8

148 62.9 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 57.482 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

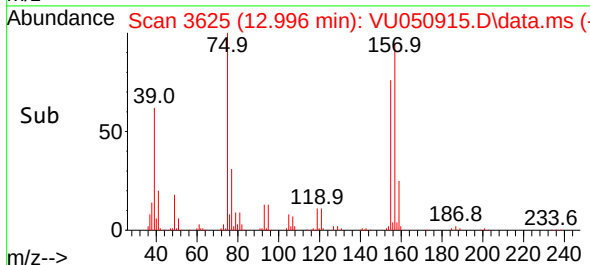
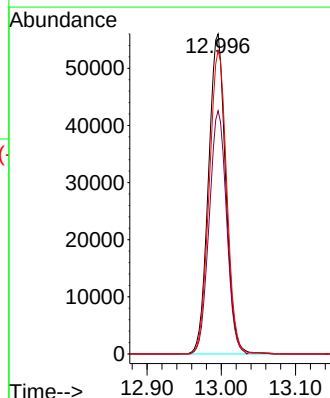
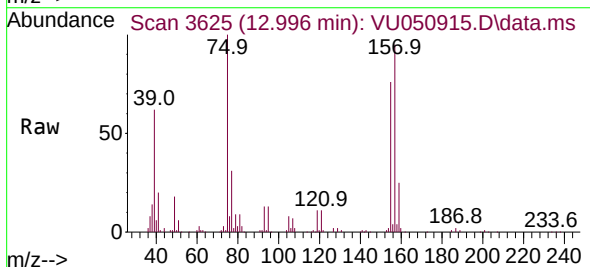
Tgt Ion: 75 Resp: 90193

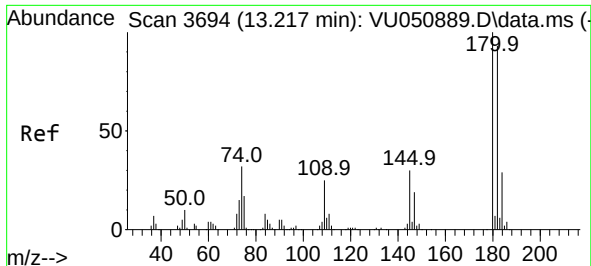
Ion Ratio Lower Upper

75 100

155 76.0 63.8 95.8

157 94.9 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 52.644 ug/L

RT: 13.217 min Scan# 30

Delta R.T. 0.000 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 244140

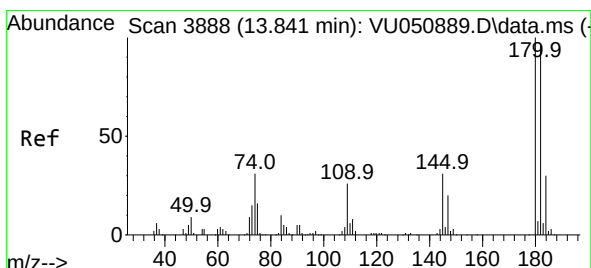
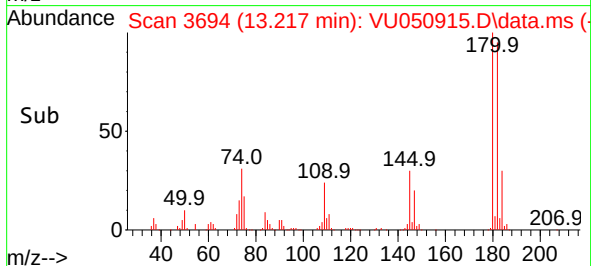
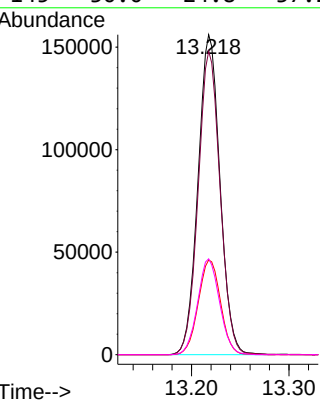
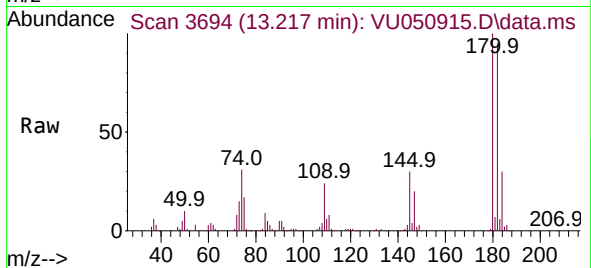
Ion Ratio Lower Upper

180 100

182 94.8 78.2 117.2

184 30.1 24.8 37.2

145 30.0 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 51.558 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU050915.D

Acq: 23 Sep 2022 12:08

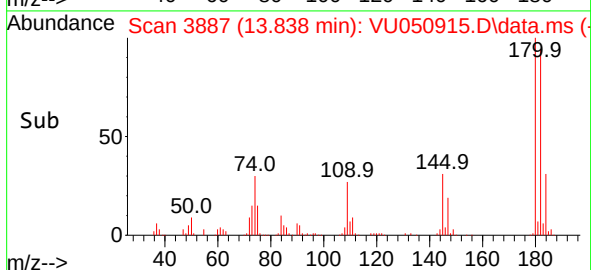
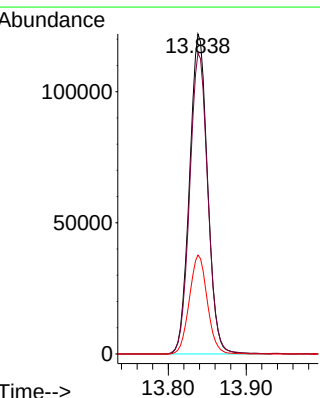
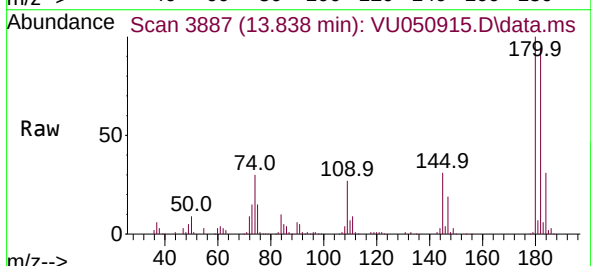
Tgt Ion:180 Resp: 195674

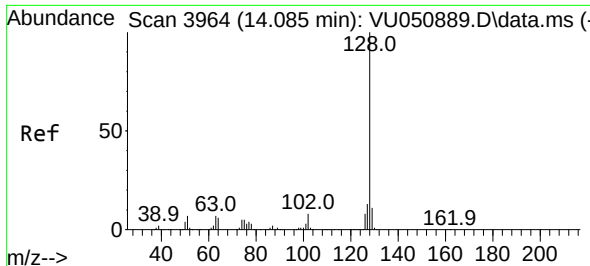
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

145 30.8 25.1 37.7

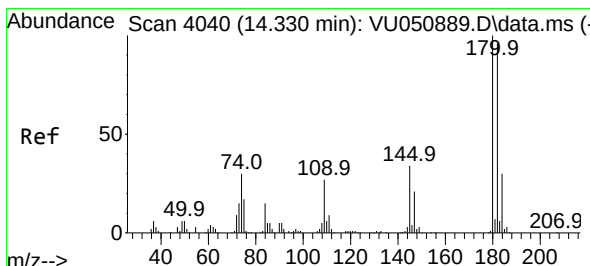
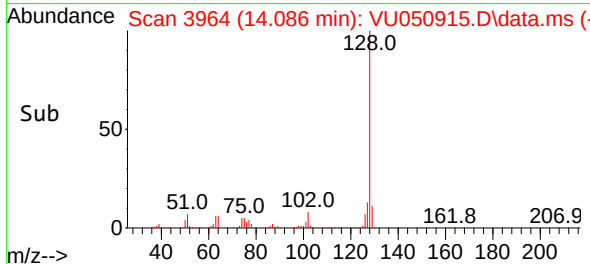
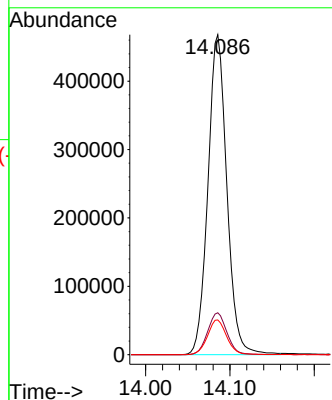
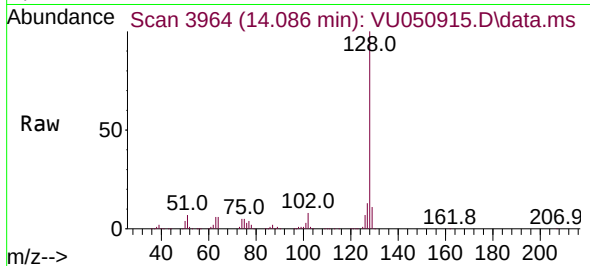




#71
Naphthalene
Concen: 50.197 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 732167
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.0 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 53.030 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.003 min
Lab File: VU050915.D
Acq: 23 Sep 2022 12:08

Tgt Ion:180 Resp: 225249
Ion Ratio Lower Upper
180 100
182 95.5 76.9 115.3
145 32.5 26.3 39.5

