

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052830.D
 Acq On : 26 Jan 2023 20:46
 Operator : JC/MD
 Sample : 01316-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 27 04:37:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	273845	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	263093	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	151839	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	87245	44.264	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.520%
7) Chloroethane-d5	1.909	69	74092	45.621	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.240%
11) 1,1-Dichloroethene-d2	2.565	63	182042	46.436	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.880%
21) 2-Butanone-d5	4.623	46	119721	98.326	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.330%
24) Chloroform-d	5.057	84	199146	47.342	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.680%
26) 1,2-Dichloroethane-d4	5.694	65	130634	48.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.280%
32) Benzene-d6	5.723	84	380069	47.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.560%
36) 1,2-Dichloropropane-d6	6.684	67	114604	48.614	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.220%
41) Toluene-d8	7.893	98	352272	48.129	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.260%
43) trans-1,3-Dichloroprop...	8.176	79	57102	48.328	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.660%
47) 2-Hexanone-d5	8.632	63	90418	109.158	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.160%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	168387	48.345	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.700%
66) 1,2-Dichlorobenzene-d4	12.189	152	145117	49.221	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118460	46.197	ug/L	99
3) Chloromethane	1.520	50	96717	45.732	ug/L	99
5) Vinyl chloride	1.604	62	109702	46.888	ug/L	100
6) Bromomethane	1.855	94	71126	48.204	ug/L	99
8) Chloroethane	1.929	64	70185	47.760	ug/L	95
9) Trichlorofluoromethane	2.134	101	185765	47.403	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	102912	46.590	ug/L	98
12) 1,1-Dichloroethene	2.575	96	95458	47.121	ug/L	95
13) Acetone	2.633	43	87124	58.587	ug/L	99
14) Carbon disulfide	2.790	76	279307	45.650	ug/L	99
15) Methyl Acetate	2.945	43	93022	46.426	ug/L	97
16) Methylene chloride	3.041	84	109523	45.449	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	102388	46.769	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	317252	49.283	ug/L	99
19) 1,1-Dichloroethane	3.864	63	182451	47.520	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	111876	47.863	ug/L	99
22) 2-Butanone	4.703	43	134184	84.419	ug/L	99
23) Bromochloromethane	4.970	128	62227	47.409	ug/L	98
25) Chloroform	5.083	83	208084	48.277	ug/L	100

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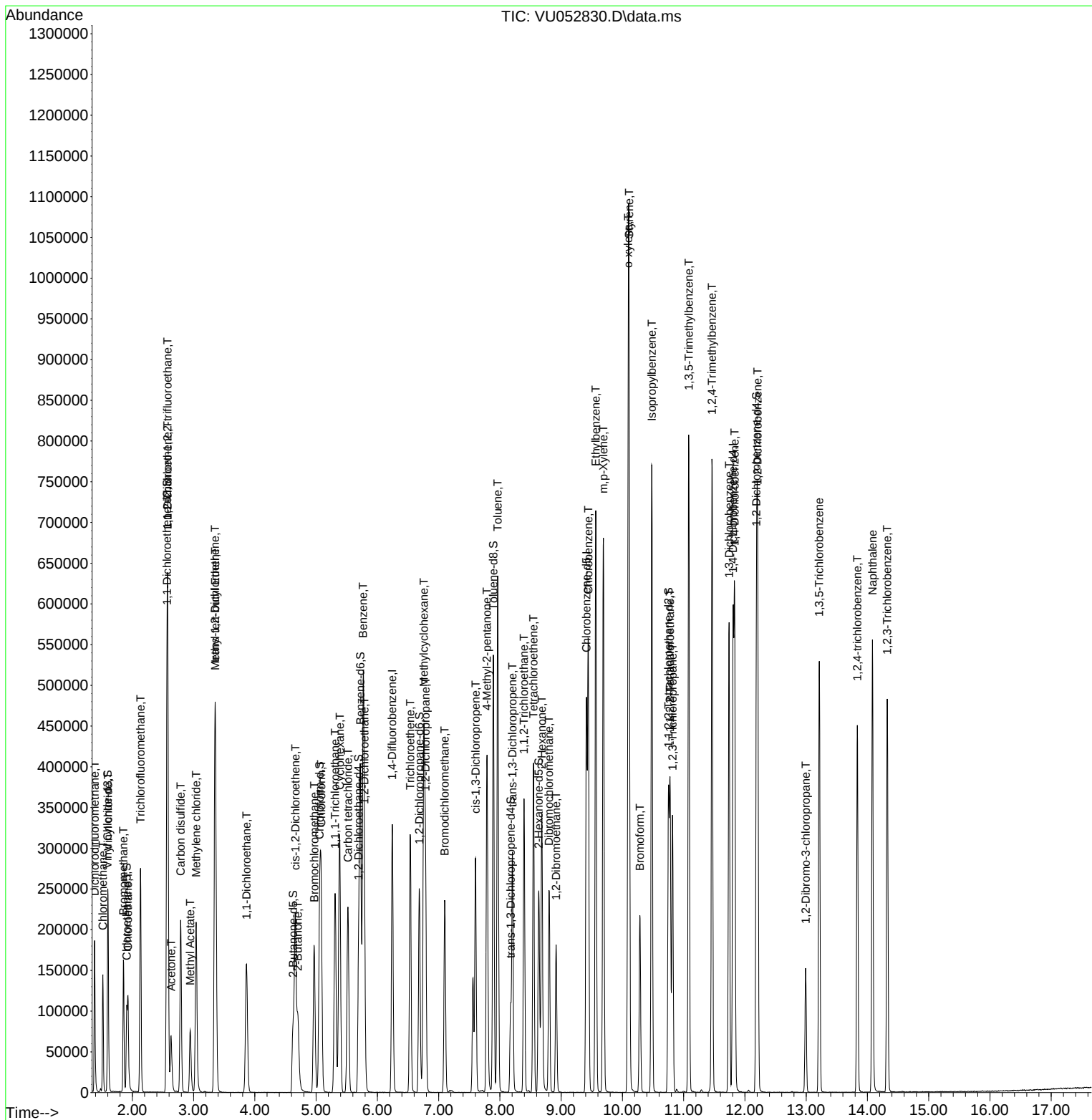
Instrument :
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 ClientSampleId :

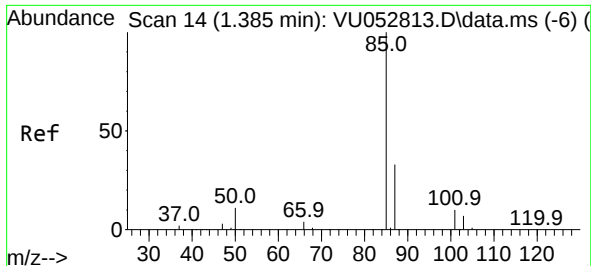
Quant Time: Jan 27 04:37:10 2023
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 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	164575	48.231	ug/L	99
29) Cyclohexane	5.385	56	157571	50.542	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	184918	47.783	ug/L	98
31) Carbon tetrachloride	5.520	117	161002	47.993	ug/L	98
33) Benzene	5.768	78	433049	48.354	ug/L	100
34) Trichloroethene	6.536	95	106501	46.787	ug/L	96
35) Methylcyclohexane	6.758	83	180025	49.969	ug/L	99
37) 1,2-Dichloropropane	6.787	63	106142	48.207	ug/L	99
38) Bromodichloromethane	7.099	83	155999	48.281	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	172133	49.908	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	266882	102.884	ug/L	100
42) Toluene	7.964	91	457137	49.805	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	168720	49.777	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	108942	48.385	ug/L	99
46) Tetrachloroethene	8.549	164	92353	47.117	ug/L	99
48) 2-Hexanone	8.684	43	213280	97.189	ug/L	99
49) Dibromochloromethane	8.803	129	130088	48.313	ug/L	99
50) 1,2-Dibromoethane	8.919	107	119760	49.420	ug/L	98
51) Chlorobenzene	9.443	112	303998	48.141	ug/L	98
52) Ethylbenzene	9.565	91	494407	50.404	ug/L	99
53) m,p-Xylene	9.690	106	202312	50.948	ug/L	99
54) o-xylene	10.095	106	199302	52.575	ug/L	98
55) Styrene	10.108	104	337381	51.864	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	180241	49.464	ug/L	97
59) Bromoform	10.285	173	98362	47.273	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	142732	48.461	ug/L	99
61) Isopropylbenzene	10.481	105	502232	51.214	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	429105	52.552	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	422684	53.496	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	238476	48.200	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	243009	47.444	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	244905	48.938	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	39392	46.659	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	177066	48.341	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	146168	47.598	ug/L	99
71) Naphthalene	14.082	128	443303	50.233	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	155824	48.014	ug/L	99

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

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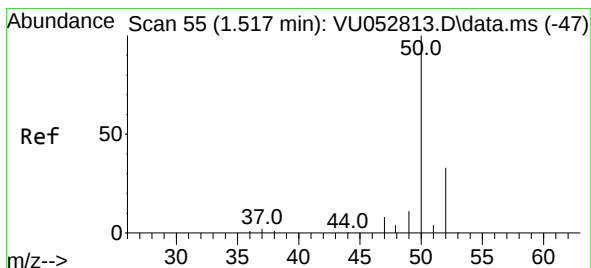
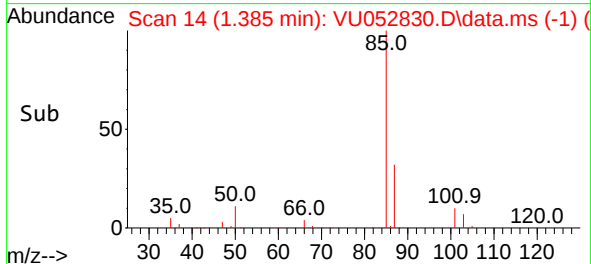
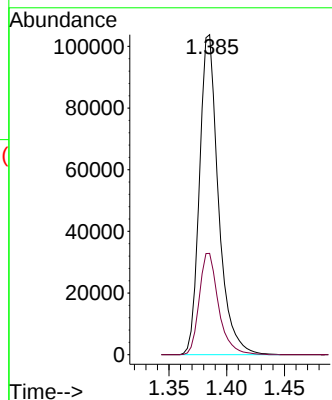
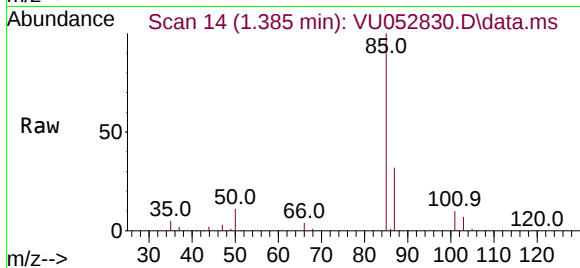




#2
Dichlorodifluoromethane
Concen: 46.197 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

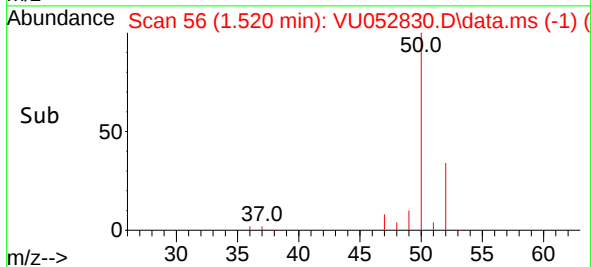
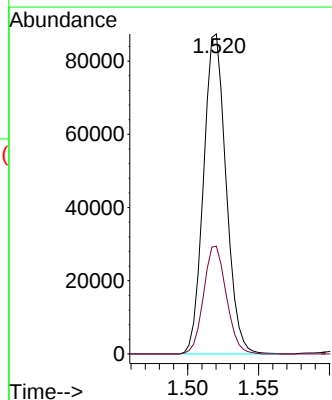
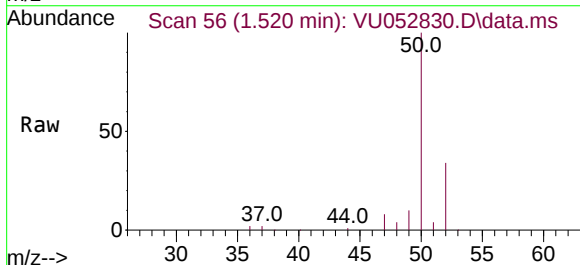
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MSVOA_U
ClientSampleId :

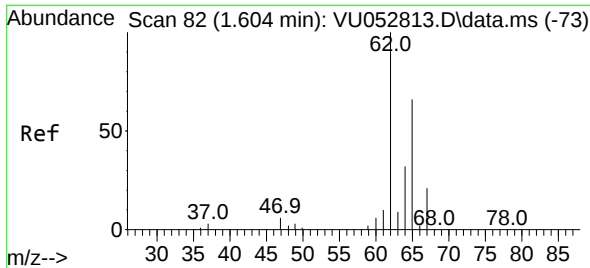
Tgt Ion: 85 Resp: 118460
Ion Ratio Lower Upper
85 100
87 32.3 26.4 39.6



#3
Chloromethane
Concen: 45.732 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.003 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion: 50 Resp: 96717
Ion Ratio Lower Upper
50 100
52 33.7 23.4 43.4

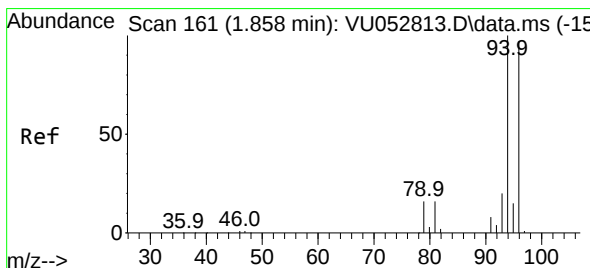
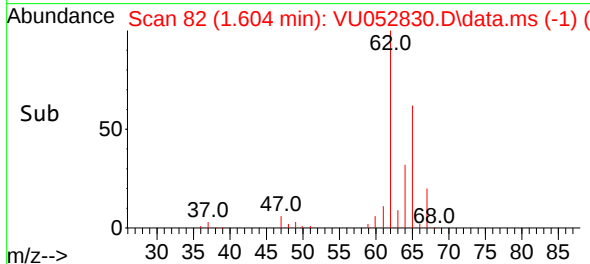
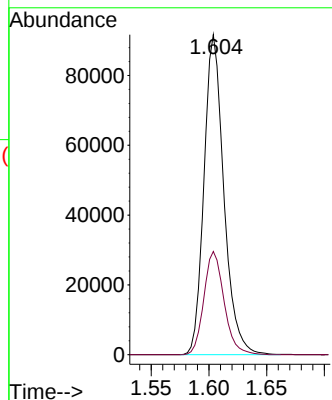
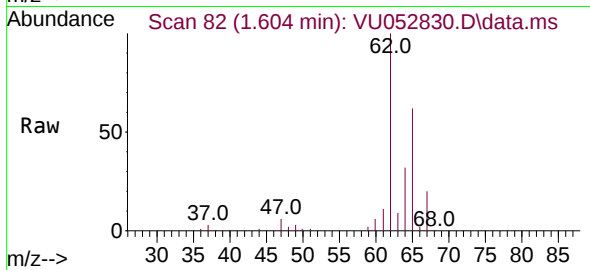




#5
 Vinyl chloride
 Concen: 46.888 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

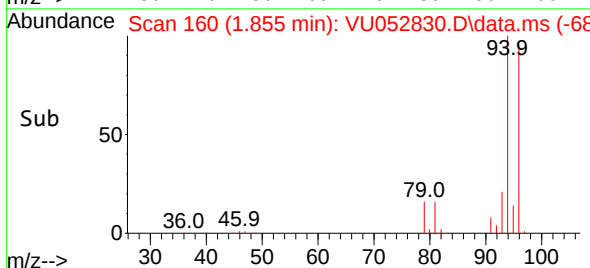
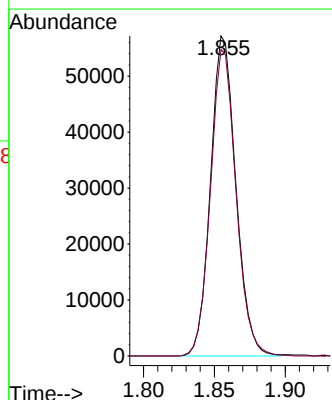
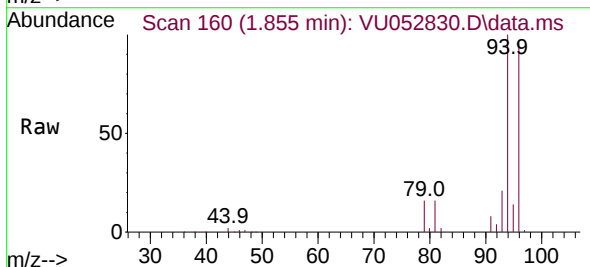
Instrument :
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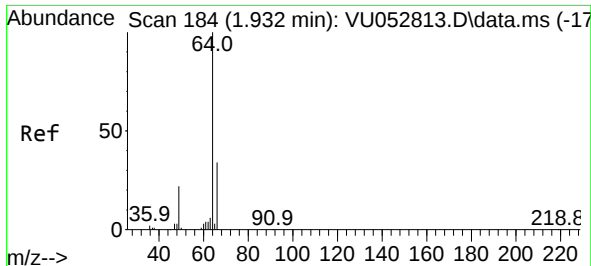
Tgt Ion: 62 Resp: 109702
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.4 41.6



#6
 Bromomethane
 Concen: 48.204 ug/L
 RT: 1.855 min Scan# 160
 Delta R.T. -0.003 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

Tgt Ion: 94 Resp: 71126
 Ion Ratio Lower Upper
 94 100
 96 95.8 67.8 125.8

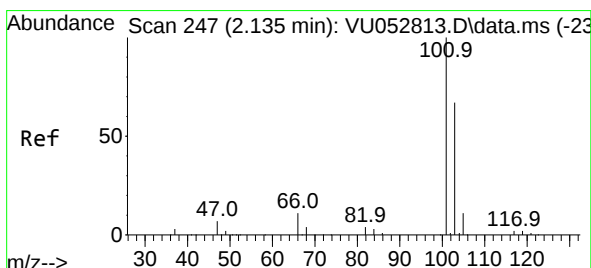
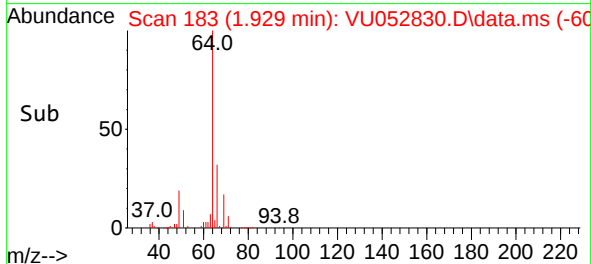
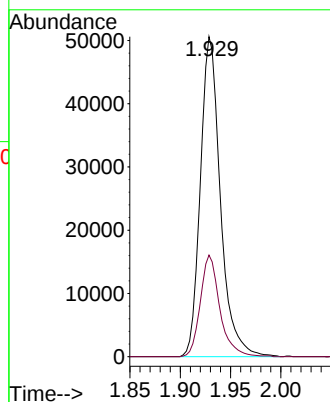
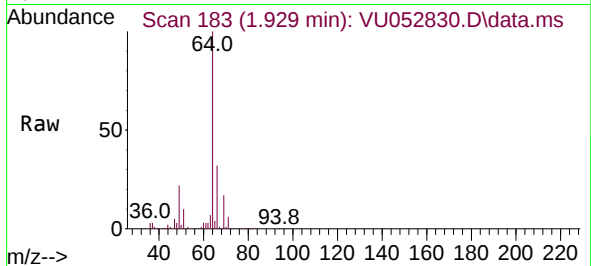




#8
Chloroethane
Concen: 47.760 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

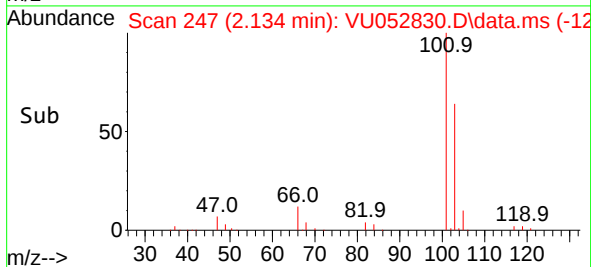
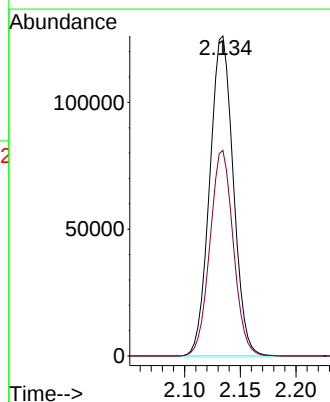
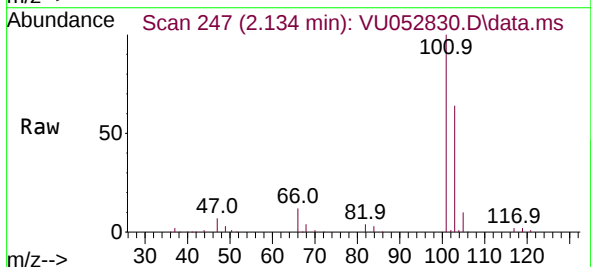
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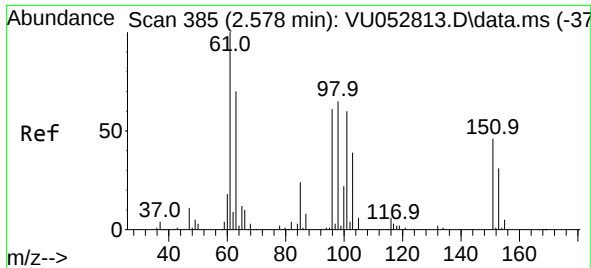
Tgt Ion: 64 Resp: 70185
Ion Ratio Lower Upper
64 100
66 31.7 24.1 44.7



#9
Trichlorofluoromethane
Concen: 47.403 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion:101 Resp: 185765
Ion Ratio Lower Upper
101 100
103 63.8 52.0 78.0

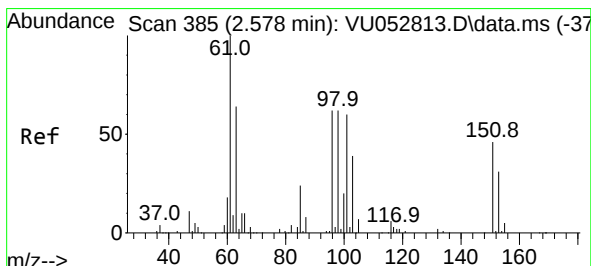
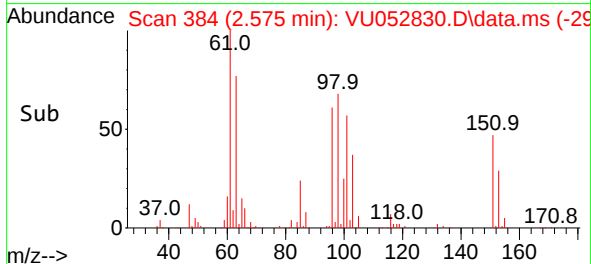
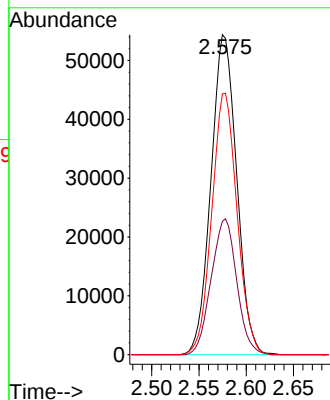
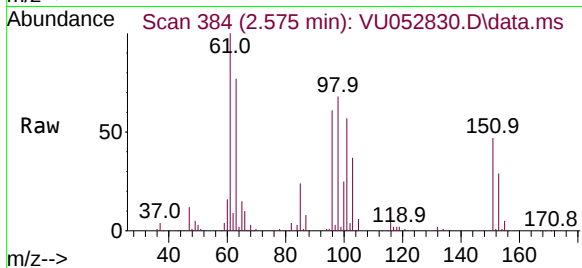




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.590 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

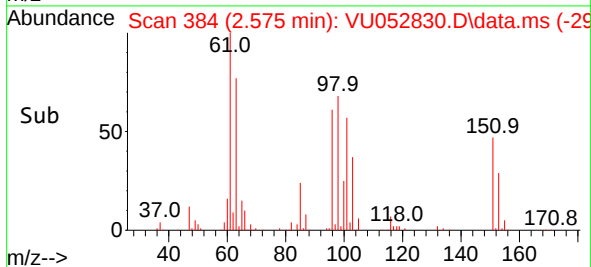
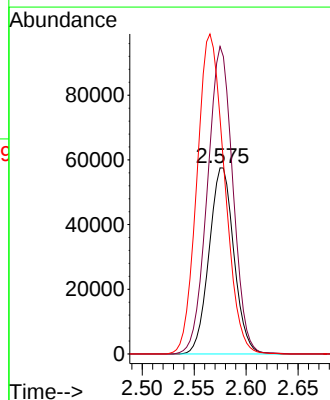
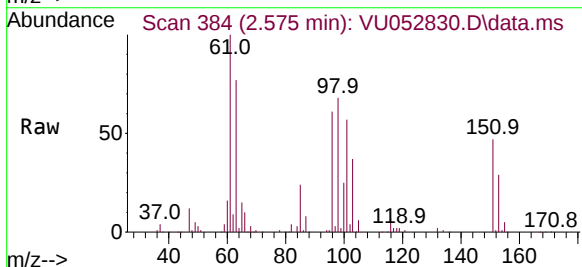
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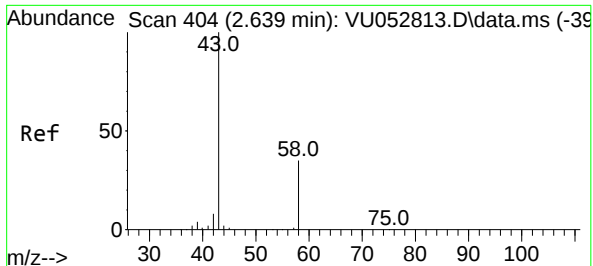
Tgt Ion:101 Resp: 102912
 Ion Ratio Lower Upper
 101 100
 85 42.2 32.9 49.3
 151 80.4 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 47.121 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

Tgt Ion: 96 Resp: 95458
 Ion Ratio Lower Upper
 96 100
 61 165.3 114.3 212.3
 63 126.7 80.6 149.6





#13

Acetone

Concen: 58.587 ug/L

RT: 2.633 min Scan# 404

Delta R.T. -0.006 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

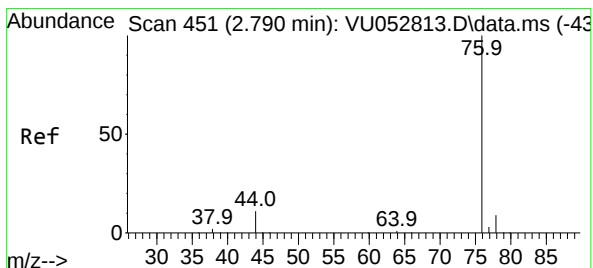
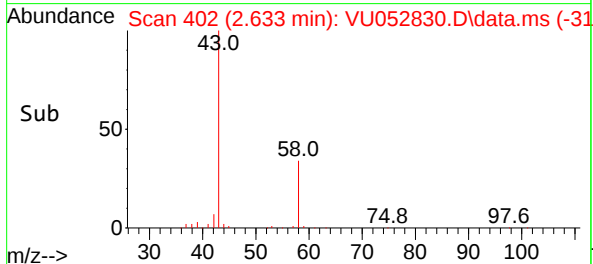
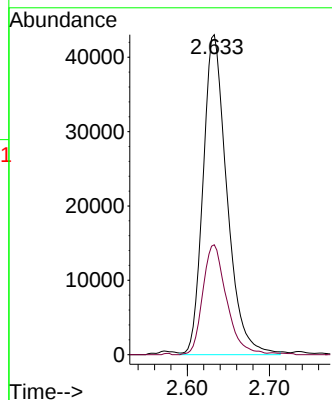
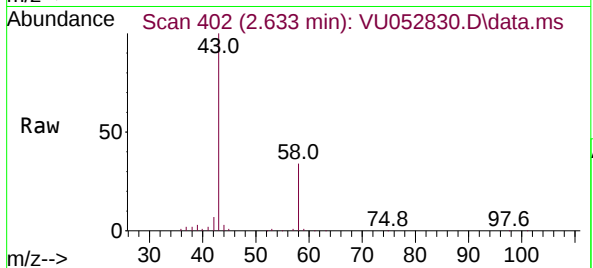
ClientSampleId :

Tgt Ion: 43 Resp: 87124

Ion Ratio Lower Upper

43 100

58 34.3 0.0 70.2



#14

Carbon disulfide

Concen: 45.650 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU052830.D

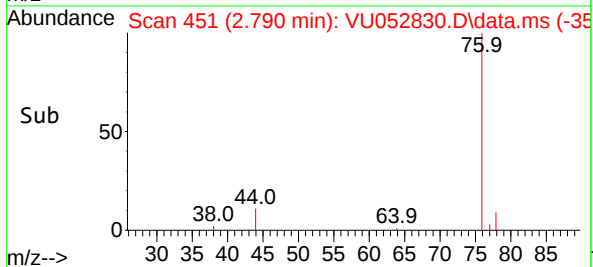
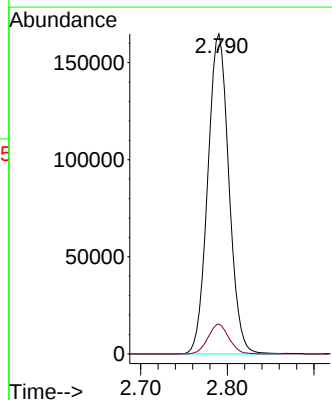
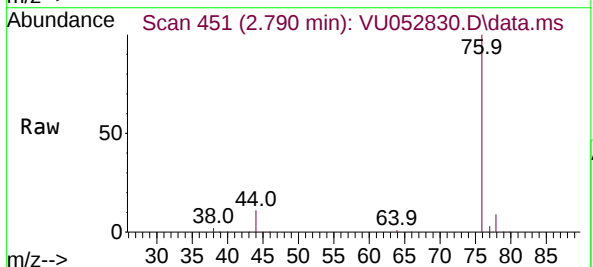
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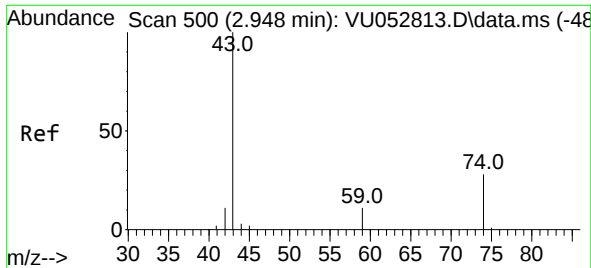
Tgt Ion: 76 Resp: 279307

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

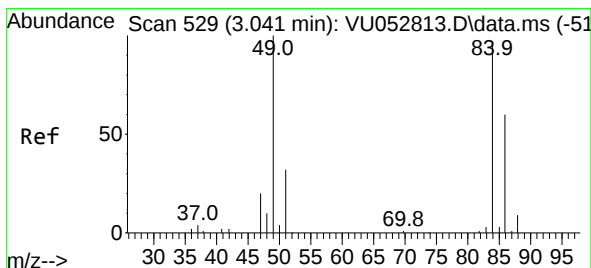
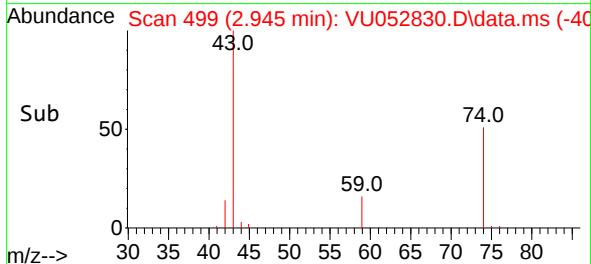
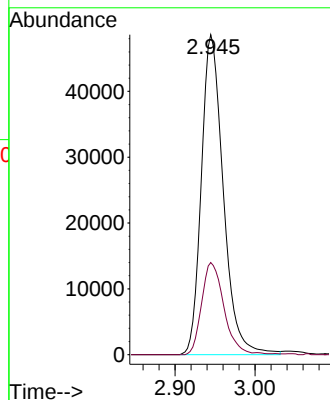
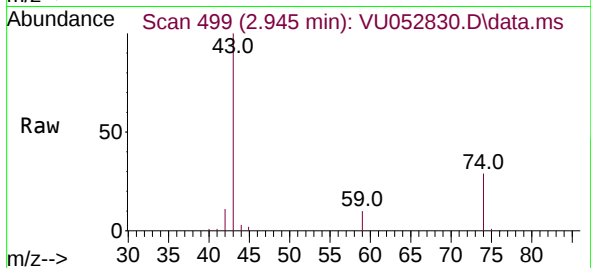




#15
Methyl Acetate
Concen: 46.426 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

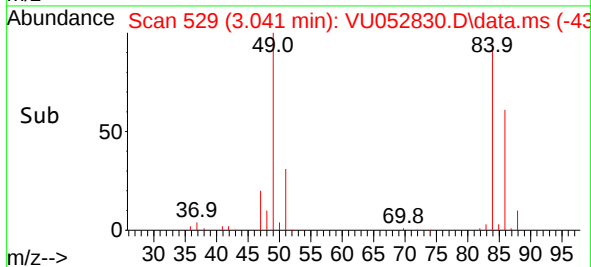
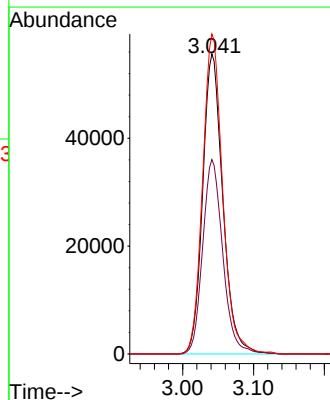
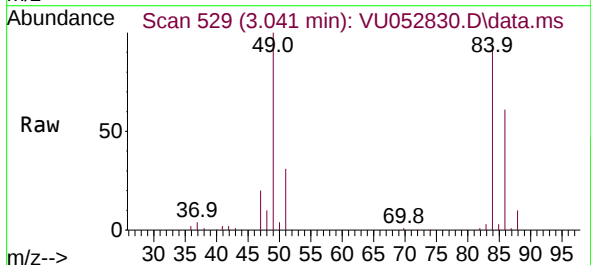
Instrument :
MSVOA_U
ClientSampleId :

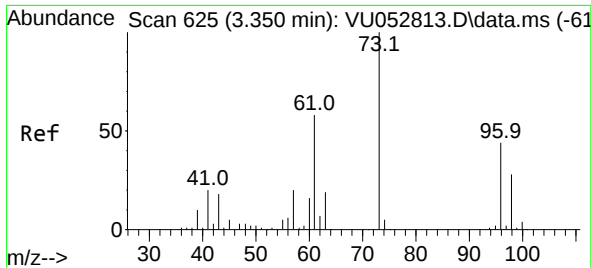
Tgt Ion: 43 Resp: 93022
Ion Ratio Lower Upper
43 100
74 28.9 22.0 33.0



#16
Methylene chloride
Concen: 45.449 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion: 84 Resp: 109523
Ion Ratio Lower Upper
84 100
86 64.8 43.4 80.6
49 106.6 72.4 134.5

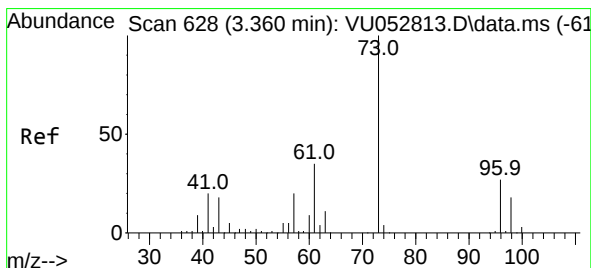
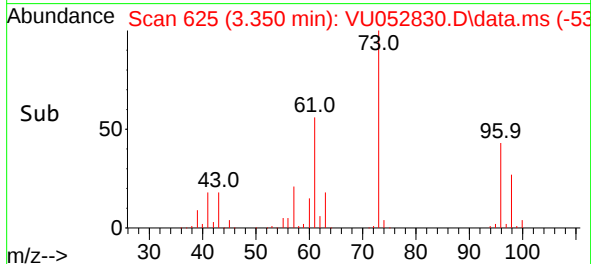
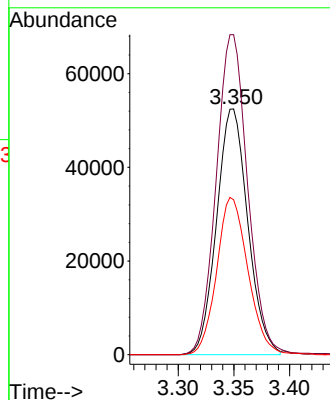
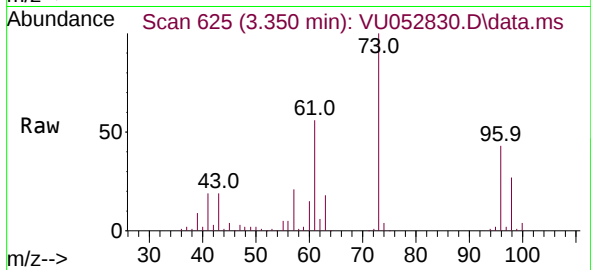




#17
trans-1,2-Dichloroethene
Concen: 46.769 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

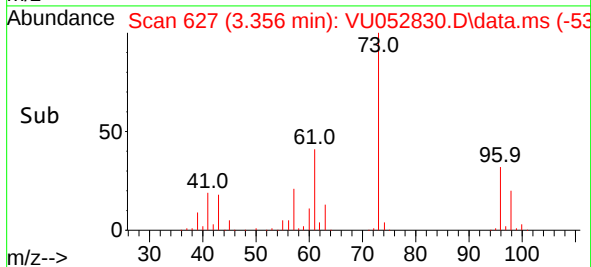
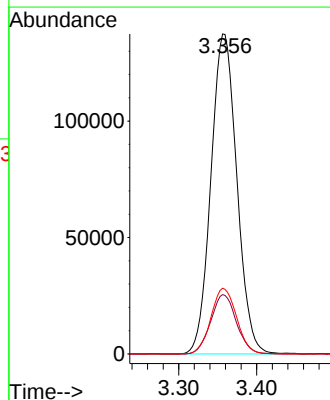
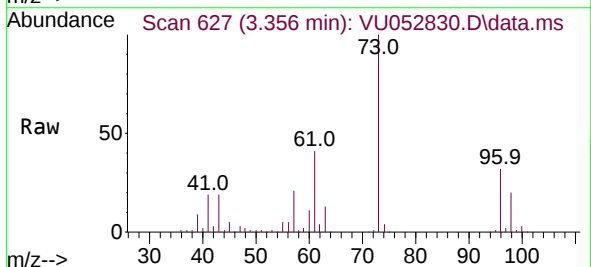
Instrument :
MSVOA_U
ClientSampleId :

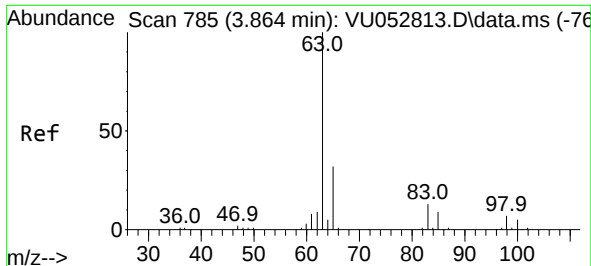
Tgt Ion: 96 Resp: 102388
Ion Ratio Lower Upper
96 100
61 130.2 92.7 172.3
98 63.0 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 49.283 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion: 73 Resp: 317252
Ion Ratio Lower Upper
73 100
43 18.5 14.2 21.2
57 20.4 16.3 24.5





#19

1,1-Dichloroethane

Concen: 47.520 ug/L

RT: 3.864 min Scan# 785

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

ClientSampleId :

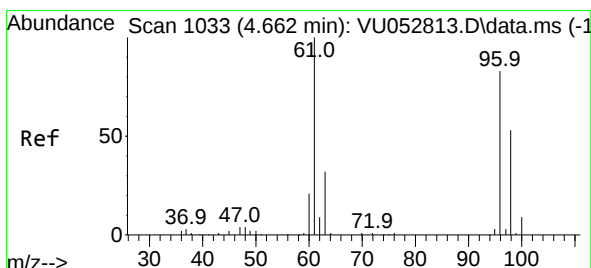
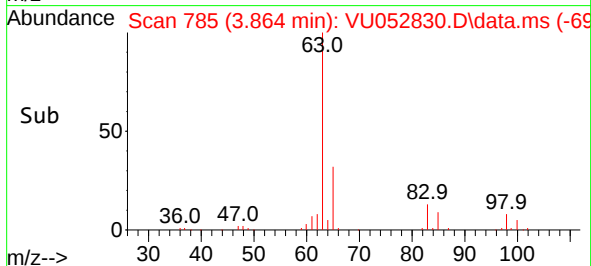
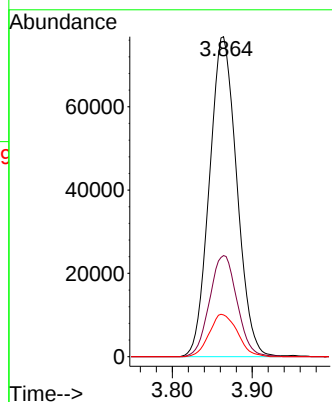
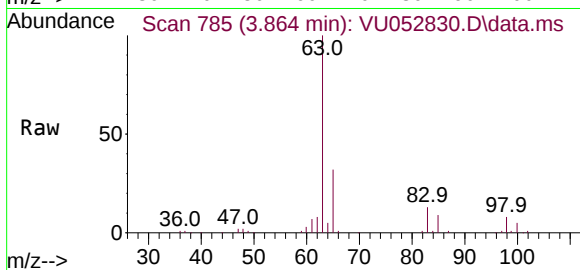
Tgt Ion: 63 Resp: 182451

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.1 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 47.863 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

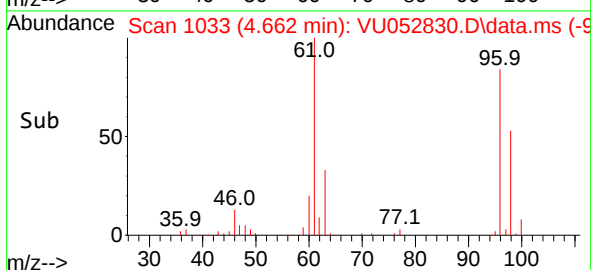
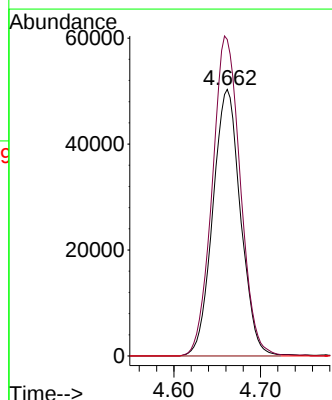
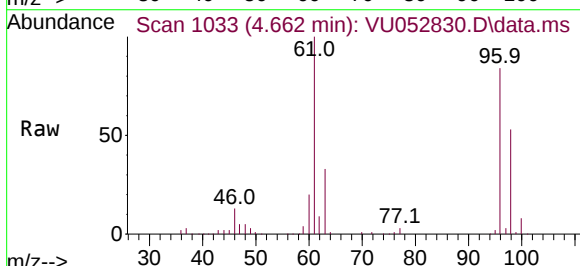
Tgt Ion: 96 Resp: 111876

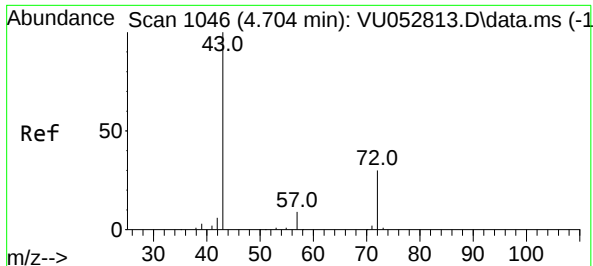
Ion Ratio Lower Upper

96 100

61 118.8 84.1 156.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 84.419 ug/L

RT: 4.703 min Scan# 1046

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

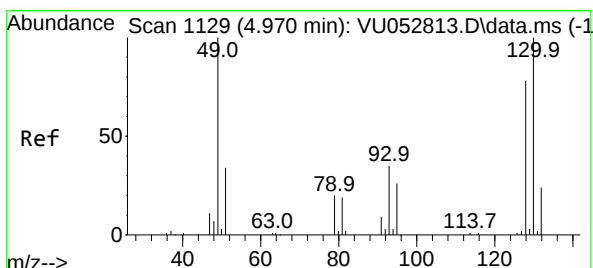
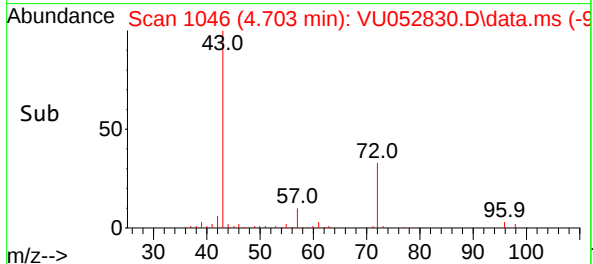
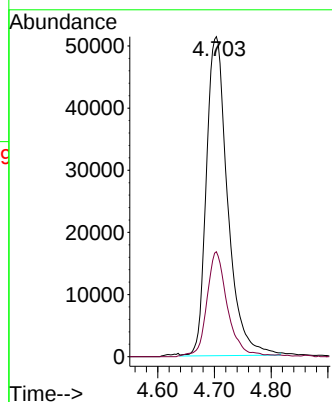
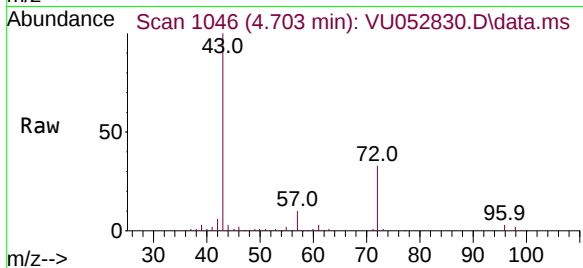
ClientSampleId :

Tgt Ion: 43 Resp: 134184

Ion Ratio Lower Upper

43 100

72 31.3 15.5 46.5



#23

Bromochloromethane

Concen: 47.409 ug/L

RT: 4.970 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Tgt Ion: 128 Resp: 62227

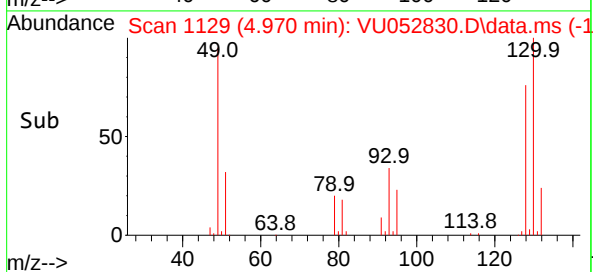
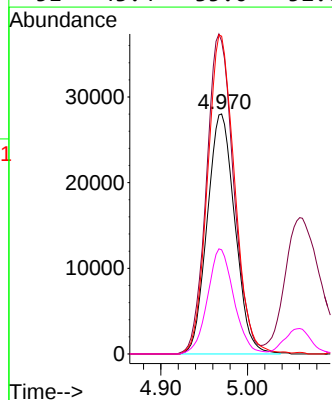
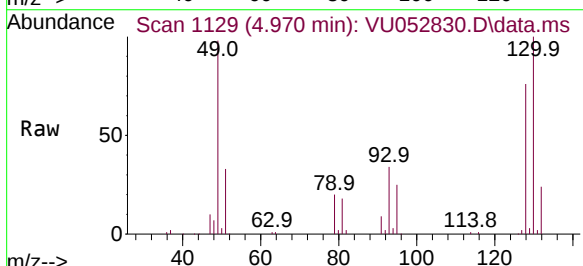
Ion Ratio Lower Upper

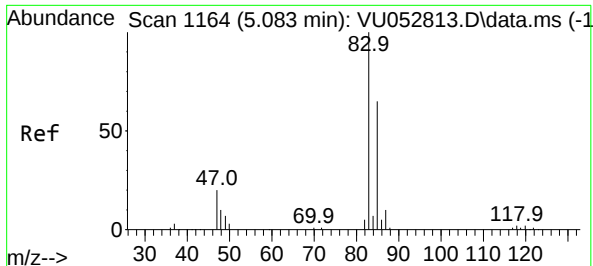
128 100

49 130.3 90.1 167.3

130 132.4 90.1 167.3

51 43.4 35.0 52.6





#25

Chloroform

Concen: 48.277 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

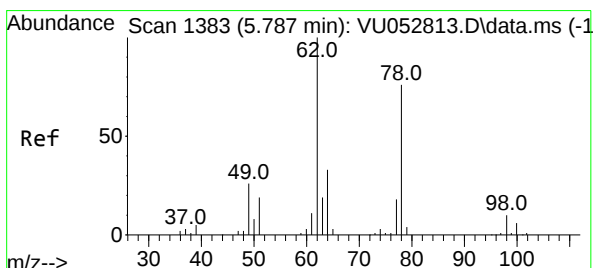
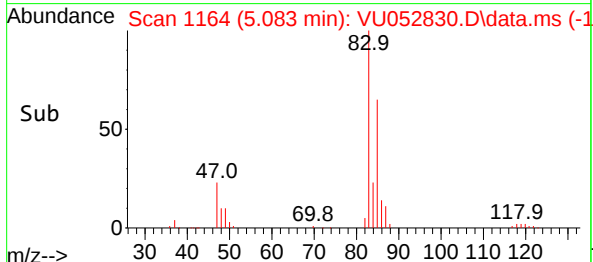
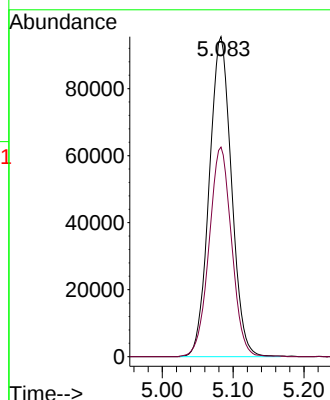
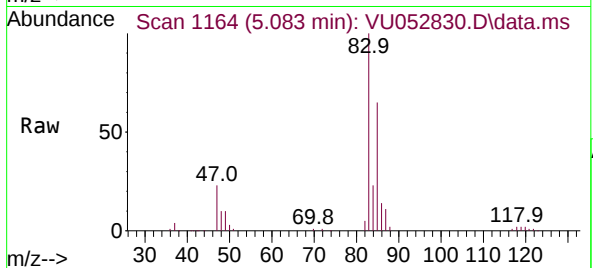
ClientSampleId :

Tgt Ion: 83 Resp: 208084

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.0



#27

1,2-Dichloroethane

Concen: 48.231 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU052830.D

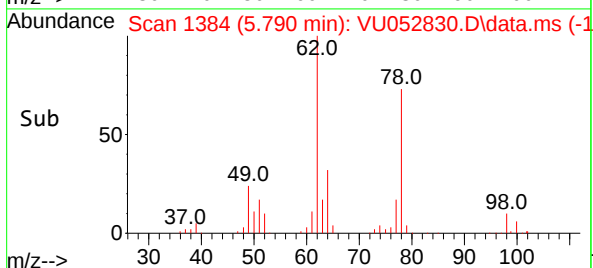
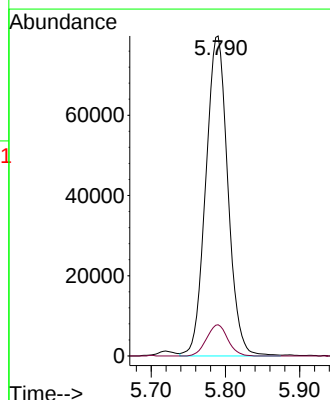
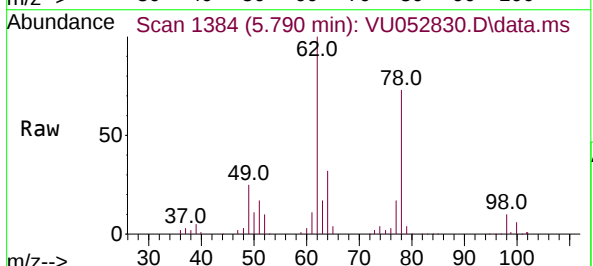
Acq: 26 Jan 2023 20:46

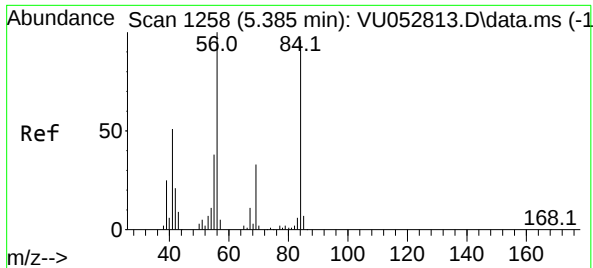
Tgt Ion: 62 Resp: 164575

Ion Ratio Lower Upper

62 100

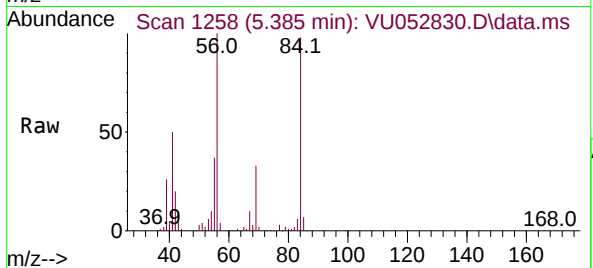
98 9.7 7.6 11.4



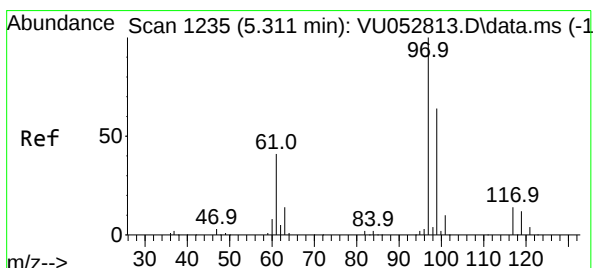
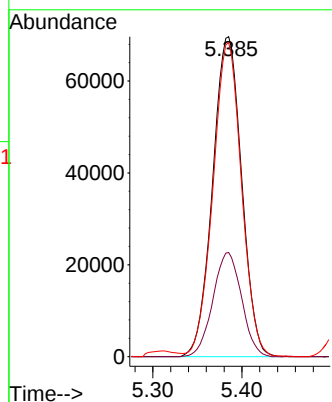
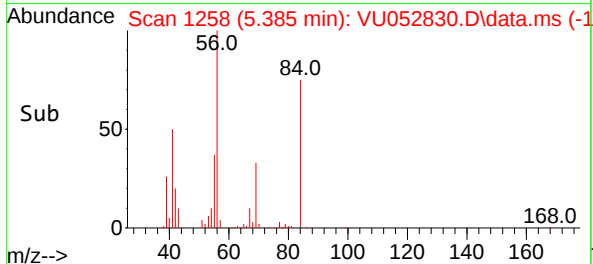


#29
Cyclohexane
Concen: 50.542 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

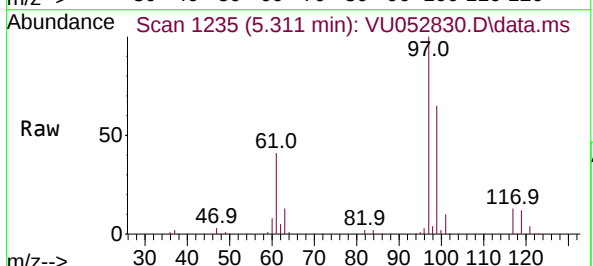
Instrument :
MSVOA_U
ClientSampleId :



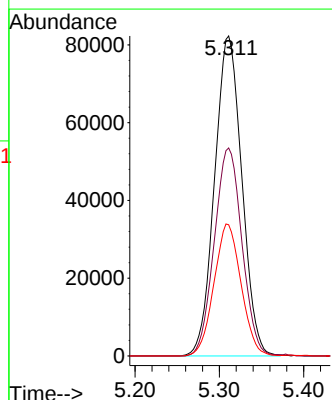
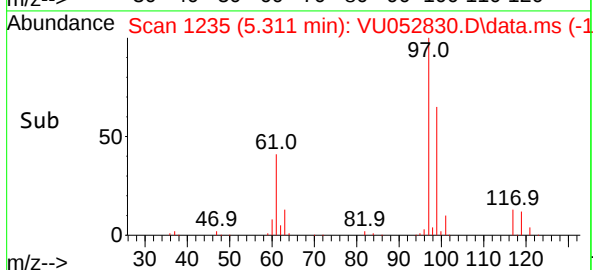
Tgt Ion: 56 Resp: 157571
Ion Ratio Lower Upper
56 100
69 32.1 26.6 40.0
84 95.9 77.0 115.4

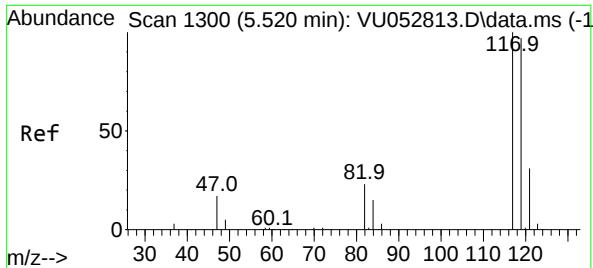


#30
1,1,1-Trichloroethane
Concen: 47.783 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46



Tgt Ion: 97 Resp: 184918
Ion Ratio Lower Upper
97 100
99 65.9 51.4 77.0
61 41.0 33.0 49.6

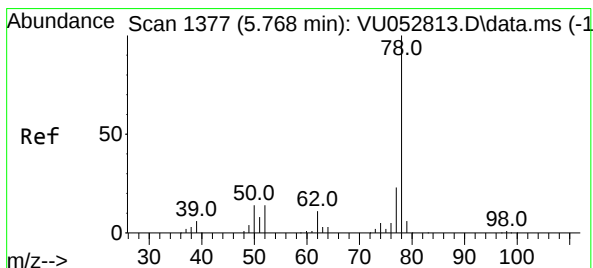
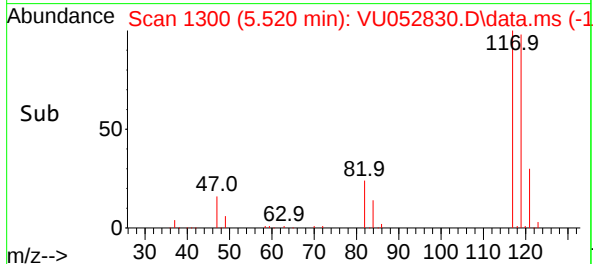
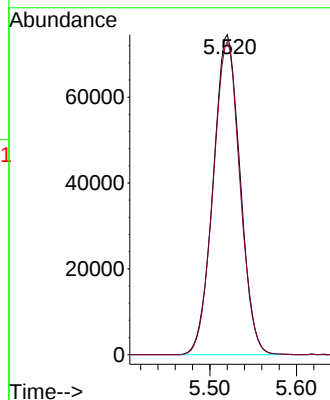
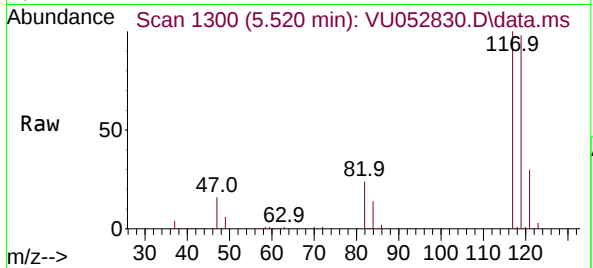




#31
Carbon tetrachloride
Concen: 47.993 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

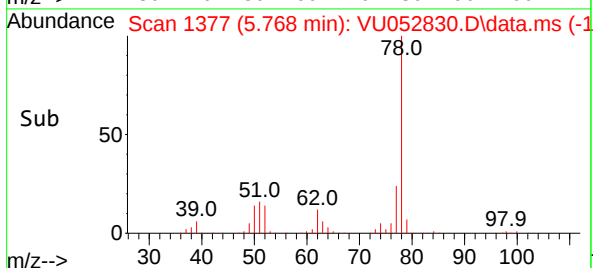
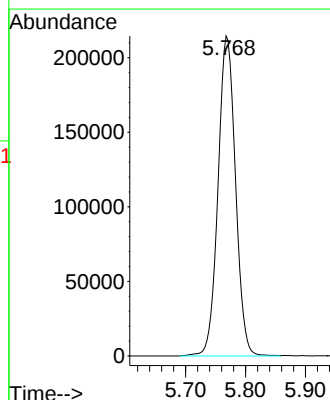
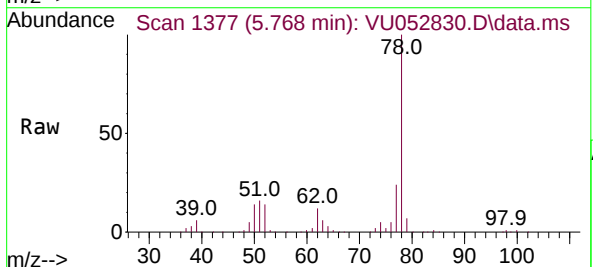
Instrument :
MSVOA_U
ClientSampleId :

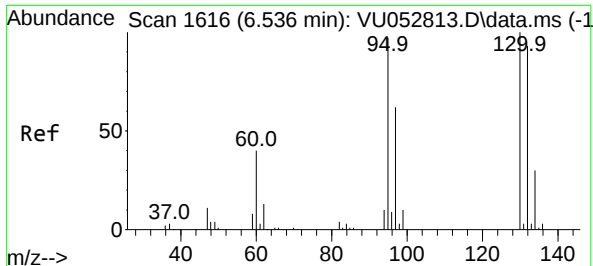
Tgt Ion:117 Resp: 161002
Ion Ratio Lower Upper
117 100
119 97.7 76.2 114.4



#33
Benzene
Concen: 48.354 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion: 78 Resp: 433049





#34

Trichloroethene

Concen: 46.787 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.000 min

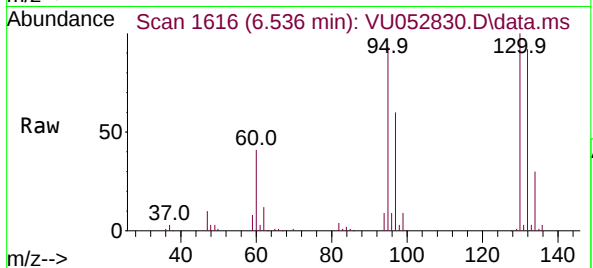
Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 106501

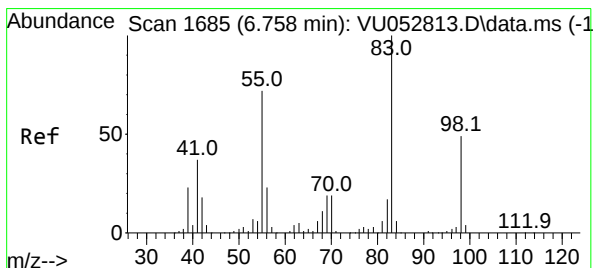
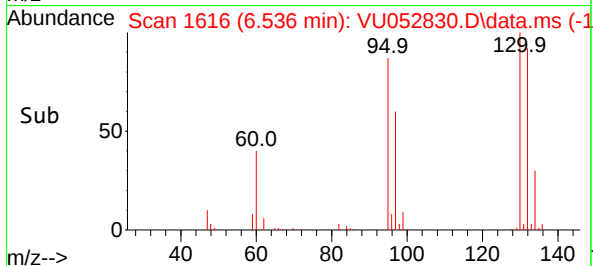
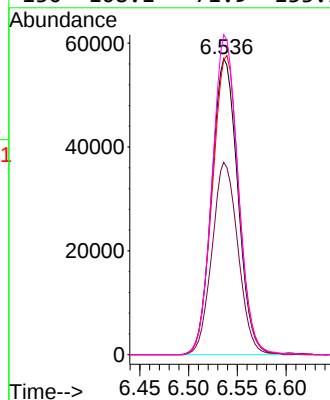
Ion Ratio Lower Upper

95 100

97 65.0 44.5 82.7

132 99.6 66.8 124.0

130 108.1 71.9 133.5



#35

Methylcyclohexane

Concen: 49.969 ug/L

RT: 6.758 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

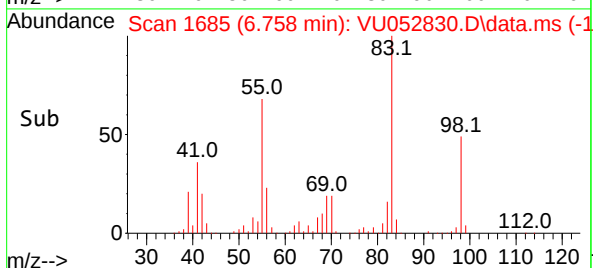
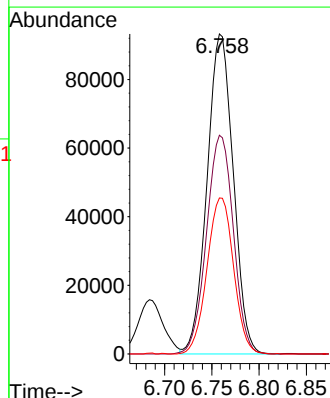
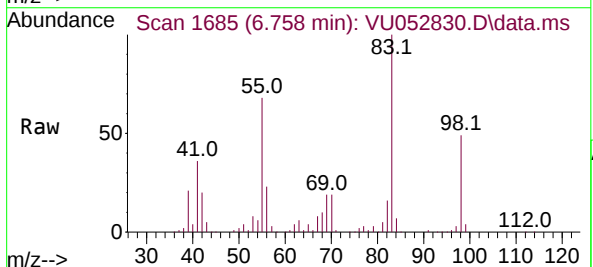
Tgt Ion: 83 Resp: 180025

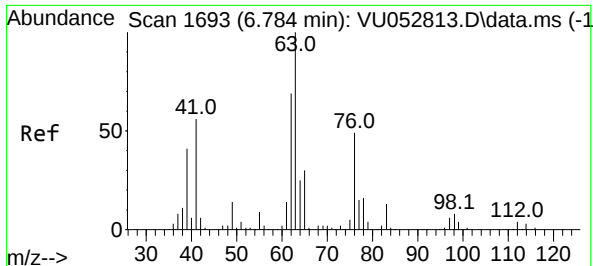
Ion Ratio Lower Upper

83 100

55 70.0 57.1 85.7

98 49.4 38.9 58.3





#37

1,2-Dichloropropane

Concen: 48.207 ug/L

RT: 6.787 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

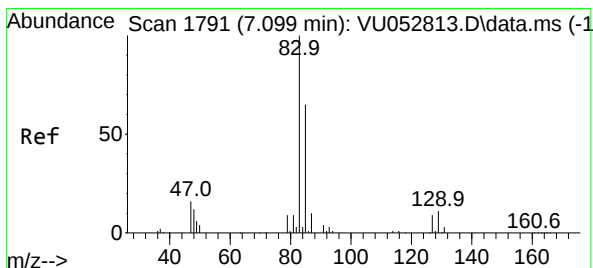
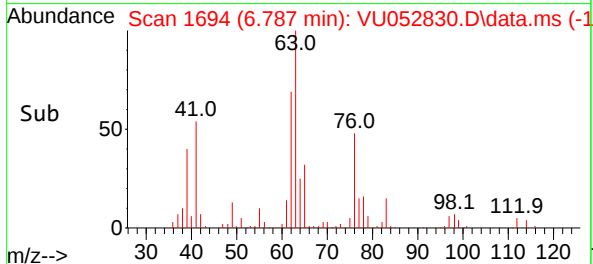
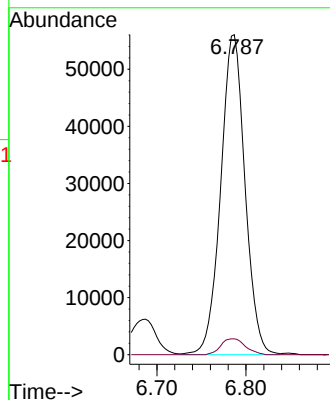
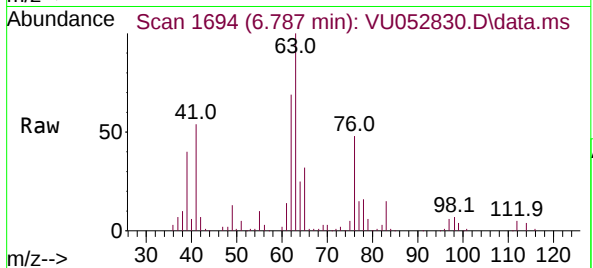
ClientSampleId :

Tgt Ion: 63 Resp: 106142

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.8



#38

Bromodichloromethane

Concen: 48.281 ug/L

RT: 7.099 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

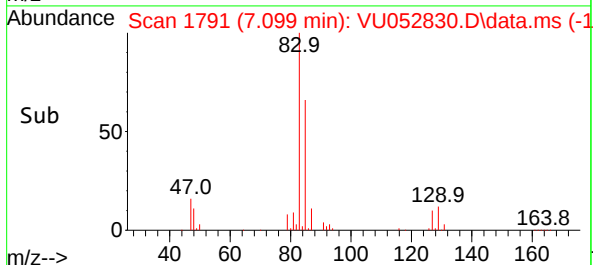
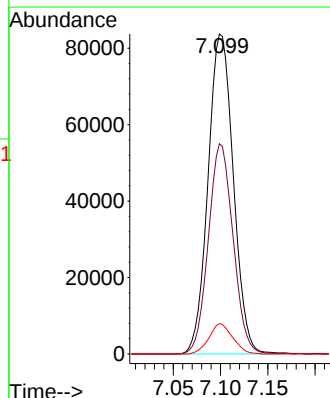
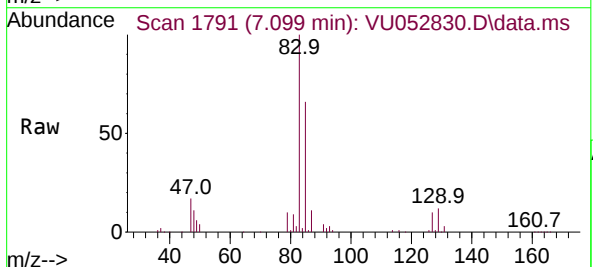
Tgt Ion: 83 Resp: 155999

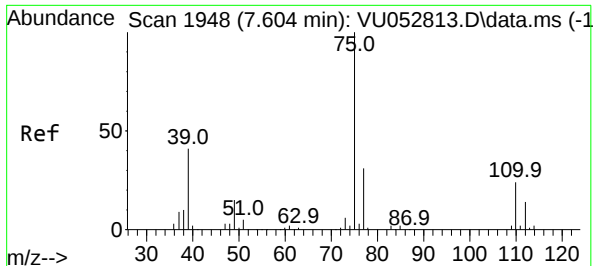
Ion Ratio Lower Upper

83 100

85 65.7 45.2 84.0

127 9.5 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 49.908 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

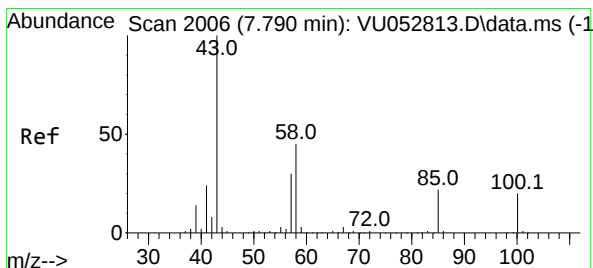
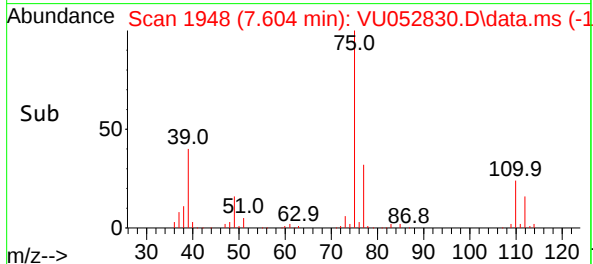
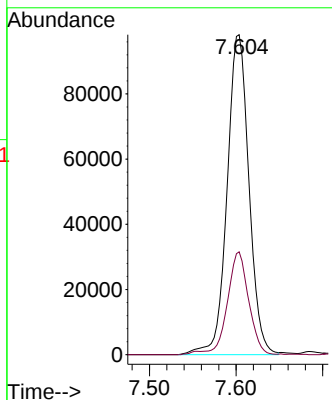
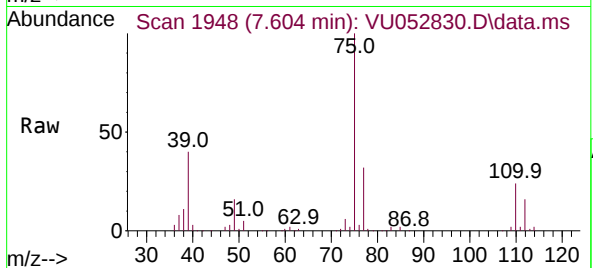
ClientSampleId :

Tgt Ion: 75 Resp: 172133

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 102.884 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

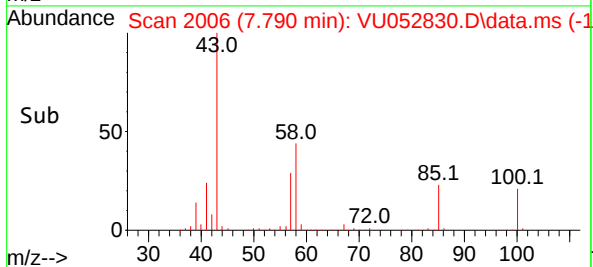
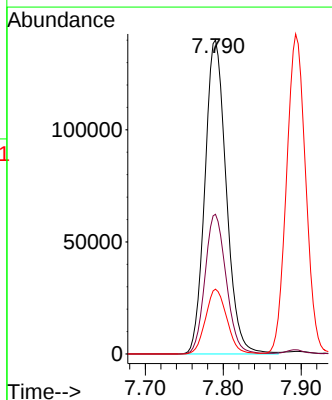
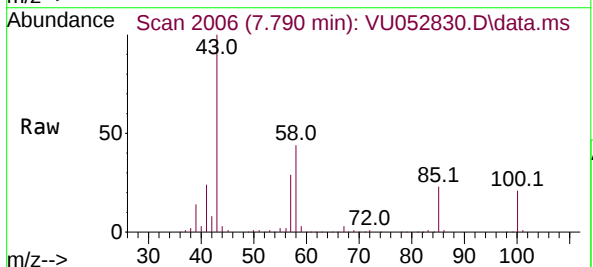
Tgt Ion: 43 Resp: 266882

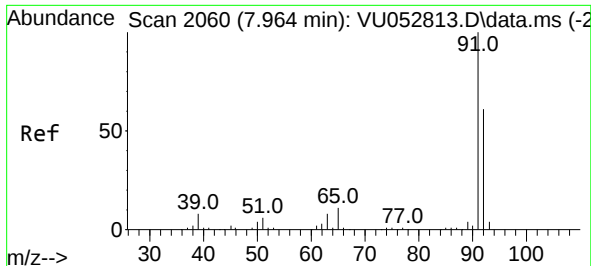
Ion Ratio Lower Upper

43 100

58 44.2 35.4 53.2

100 20.5 16.0 24.0





#42

Toluene

Concen: 49.805 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

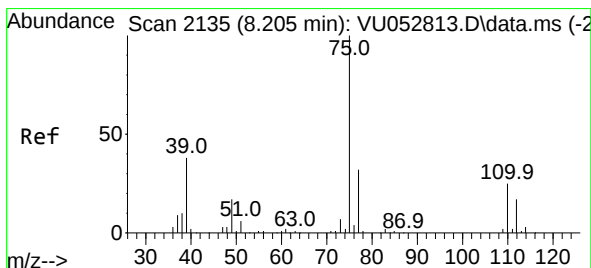
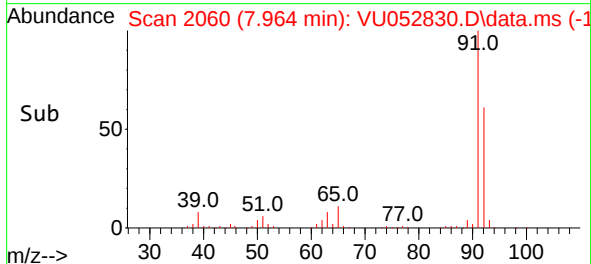
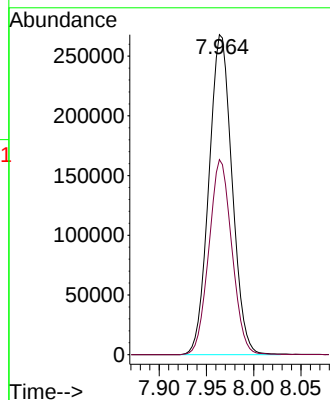
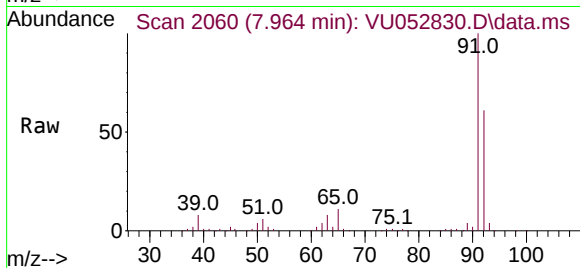
ClientSampleId :

Tgt Ion: 91 Resp: 457137

Ion Ratio Lower Upper

91 100

92 61.0 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 49.777 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU052830.D

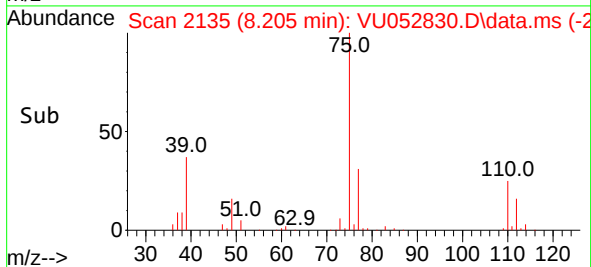
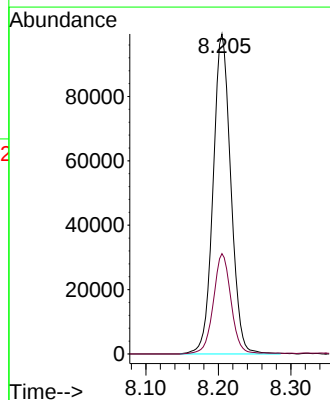
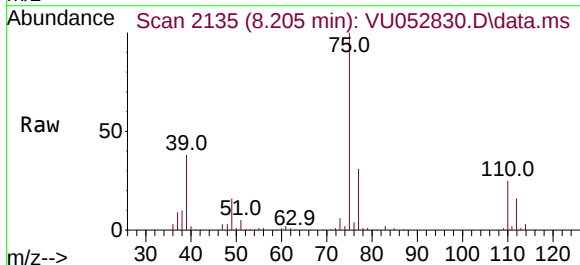
Acq: 26 Jan 2023 20:46

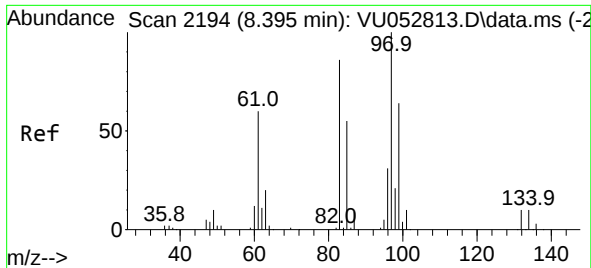
Tgt Ion: 75 Resp: 168720

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



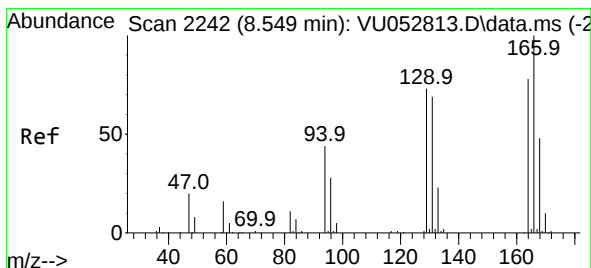
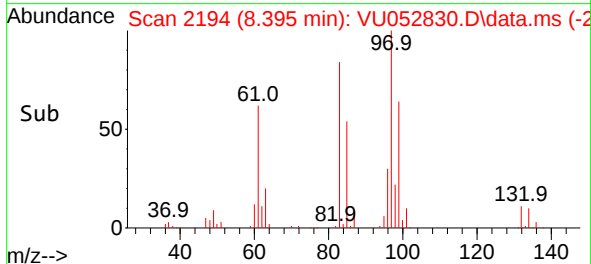
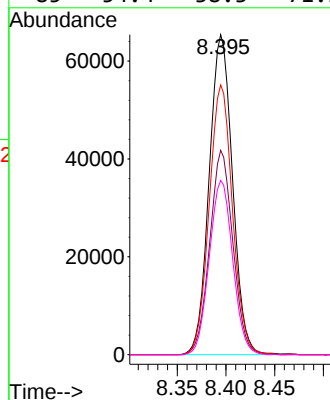
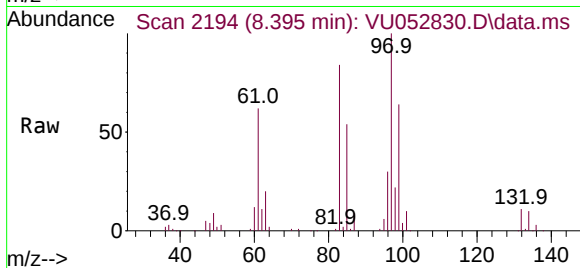


#45
1,1,2-Trichloroethane
Concen: 48.385 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 108942

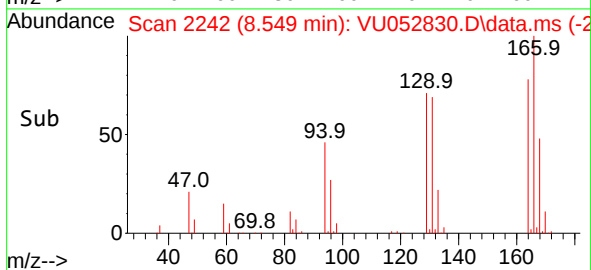
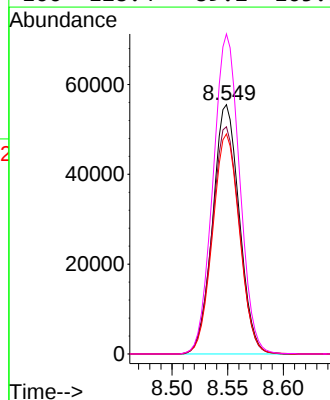
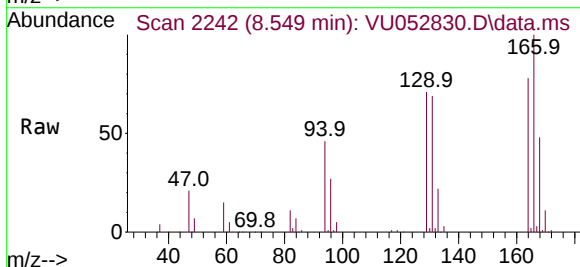
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.7	83.1
83	84.3	60.3	112.1
85	54.4	38.3	71.1

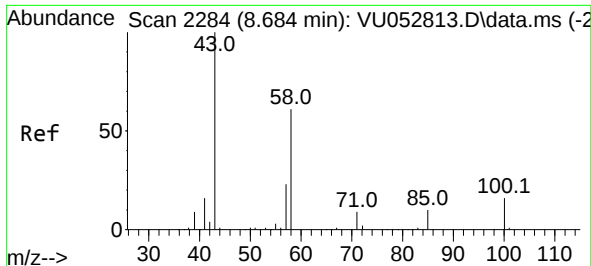


#46
Tetrachloroethene
Concen: 47.117 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion: 164 Resp: 92353

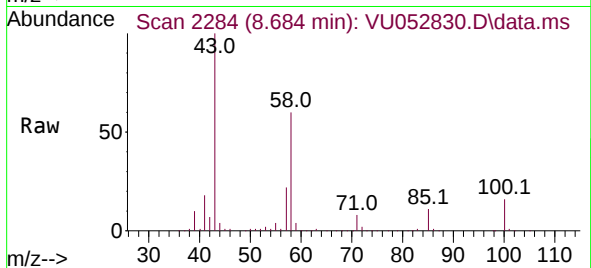
Ion	Ratio	Lower	Upper
164	100		
129	91.2	64.8	120.3
131	88.3	61.2	113.6
166	128.4	89.2	165.8



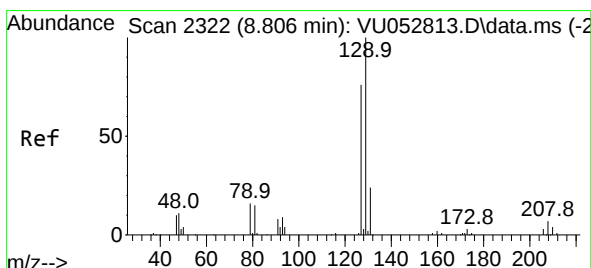
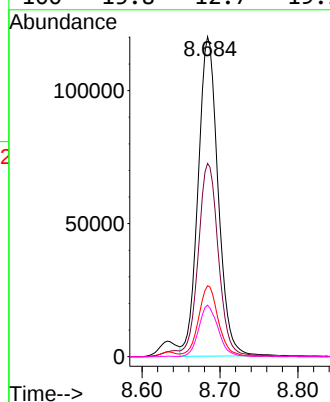
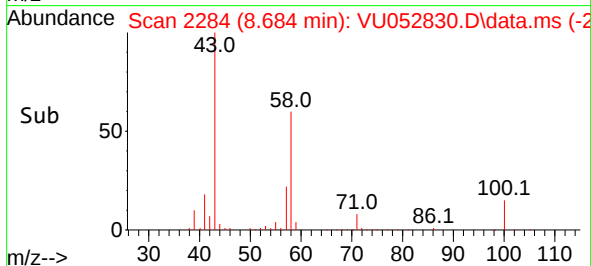


#48
2-Hexanone
Concen: 97.189 ug/L
RT: 8.684 min Scan# 213280
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Instrument :
MSVOA_U
ClientSampleId :

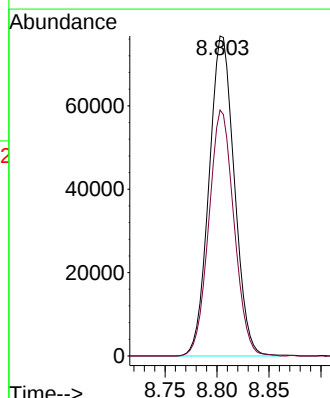
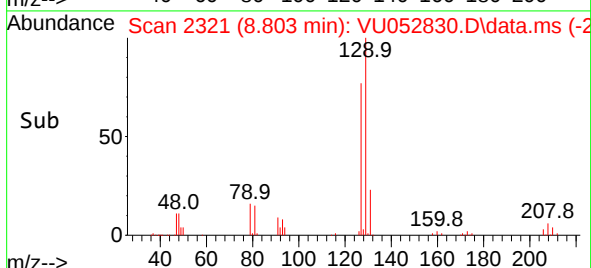
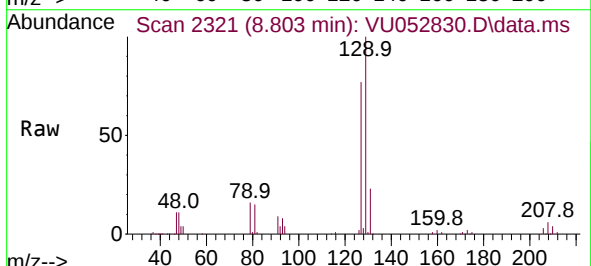


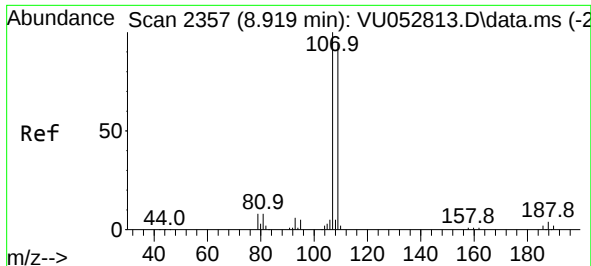
Tgt Ion:	43	58	57	100
Resp:	213280	60.2	22.3	15.8
Lower		48.0	16.8	12.7
Upper		72.0	25.2	19.1



#49
Dibromochloromethane
Concen: 48.313 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion:	129	127
Resp:	130088	76.9
Lower		53.2
Upper		98.8

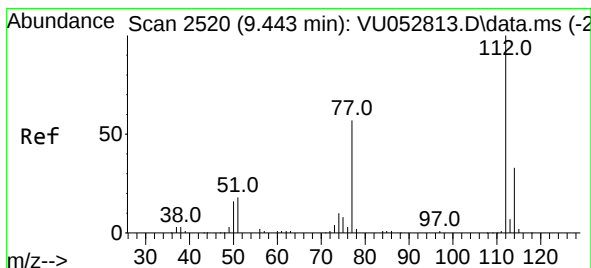
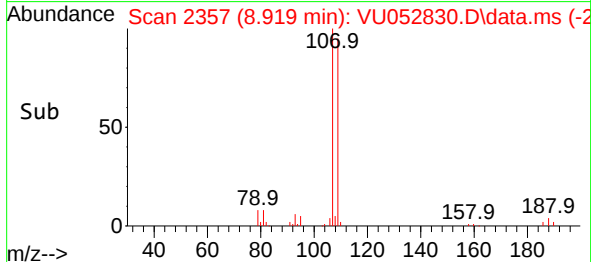
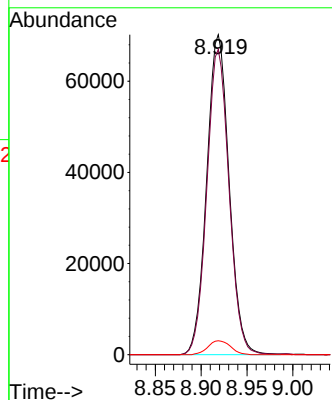
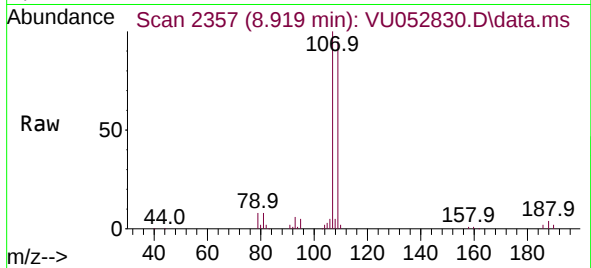




#50
1,2-Dibromoethane
Concen: 49.420 ug/L
RT: 8.919 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

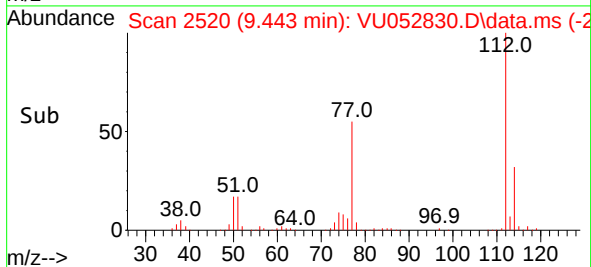
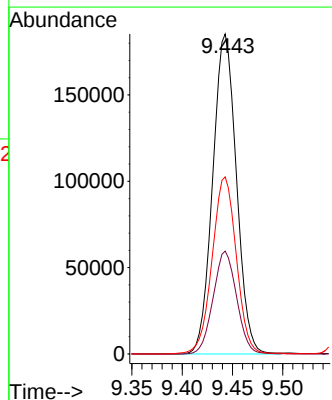
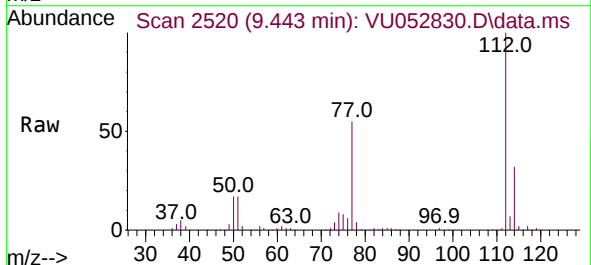
Instrument :
MSVOA_U
ClientSampleId :

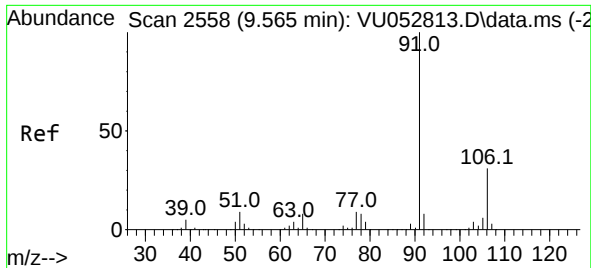
Tgt Ion:107 Resp: 119760
Ion Ratio Lower Upper
107 100
109 95.4 65.5 121.6
188 4.3 3.2 4.8



#51
Chlorobenzene
Concen: 48.141 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion:112 Resp: 303998
Ion Ratio Lower Upper
112 100
114 32.1 22.8 42.4
77 55.3 45.9 68.9

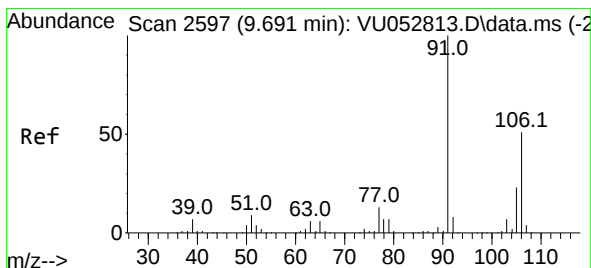
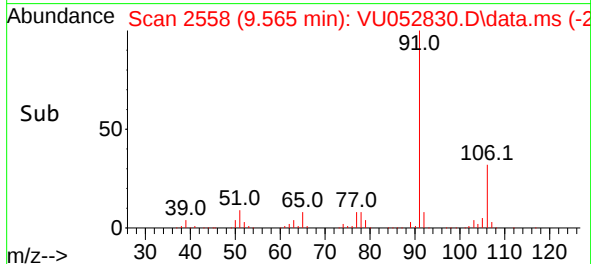
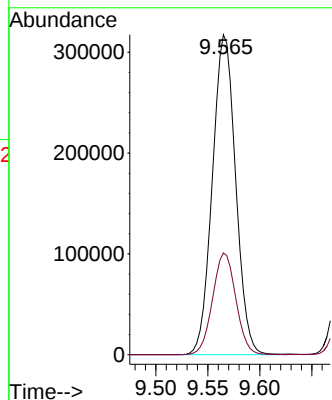
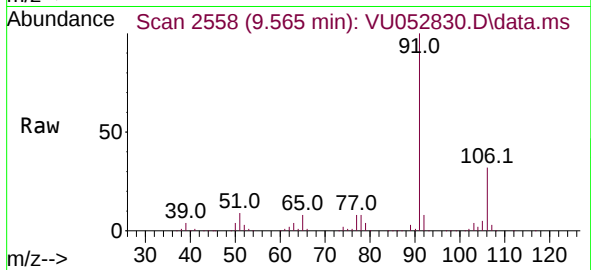




#52
Ethylbenzene
Concen: 50.404 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

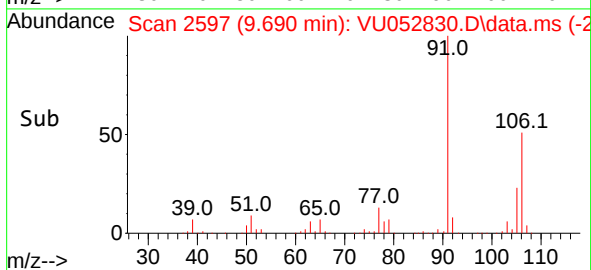
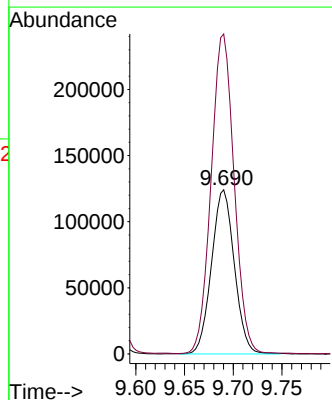
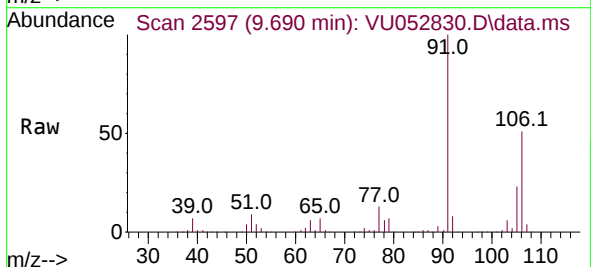
Instrument :
MSVOA_U
ClientSampleId :

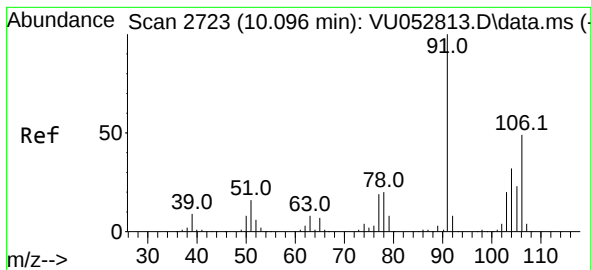
Tgt Ion: 91 Resp: 494407
Ion Ratio Lower Upper
91 100
106 31.8 22.0 40.8



#53
m,p-Xylene
Concen: 50.948 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion:106 Resp: 202312
Ion Ratio Lower Upper
106 100
91 195.0 137.4 255.2





#54

o-xylene

Concen: 52.575 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

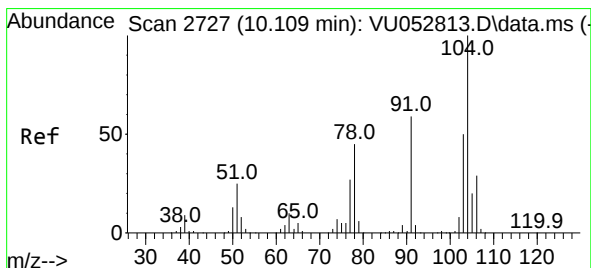
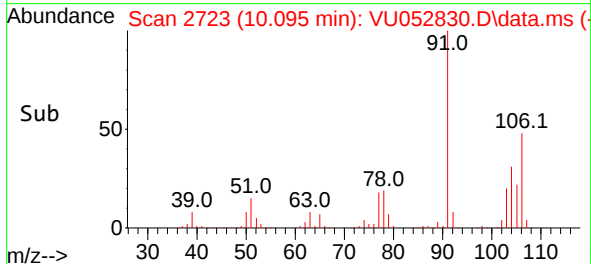
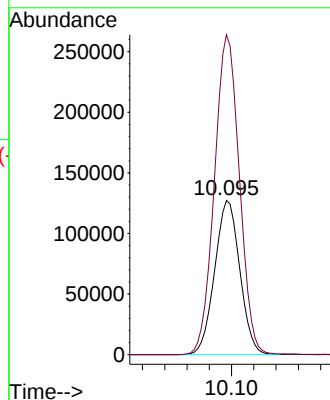
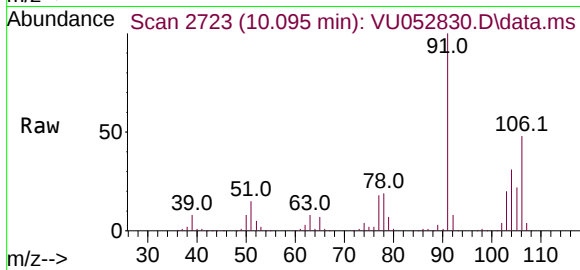
ClientSampleId :

Tgt Ion:106 Resp: 199302

Ion Ratio Lower Upper

106 100

91 207.4 143.4 266.2



#55

Styrene

Concen: 51.864 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.000 min

Lab File: VU052830.D

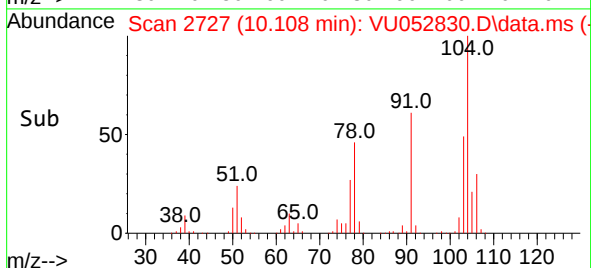
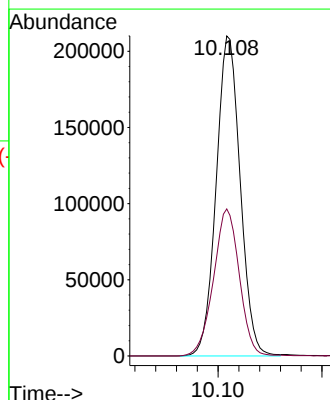
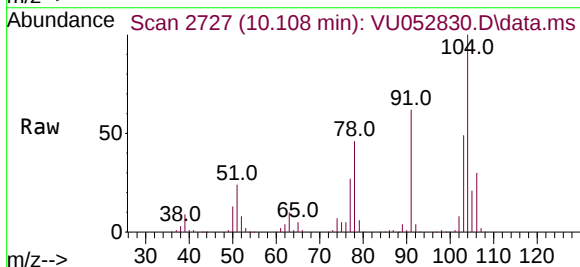
Acq: 26 Jan 2023 20:46

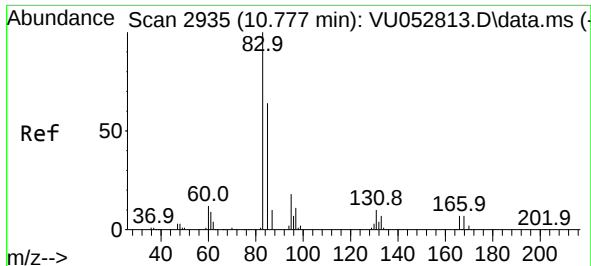
Tgt Ion:104 Resp: 337381

Ion Ratio Lower Upper

104 100

78 46.0 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 49.464 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

ClientSampleId :

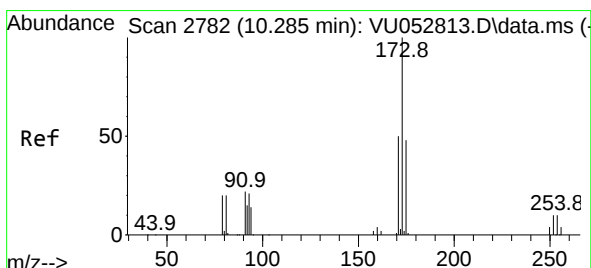
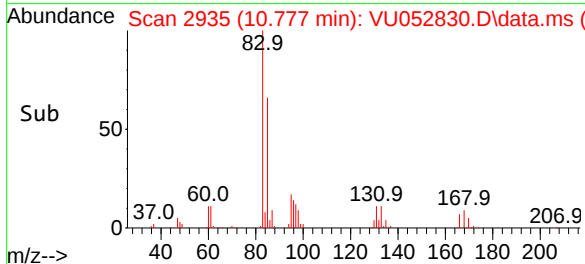
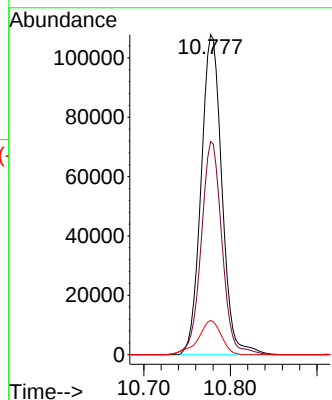
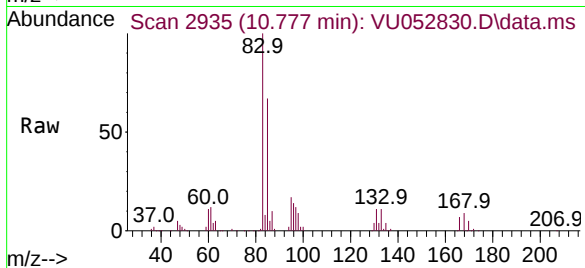
Tgt Ion: 83 Resp: 180241

Ion Ratio Lower Upper

83 100

85 66.6 45.0 83.6

131 10.7 8.6 12.8



#59

Bromoform

Concen: 47.273 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

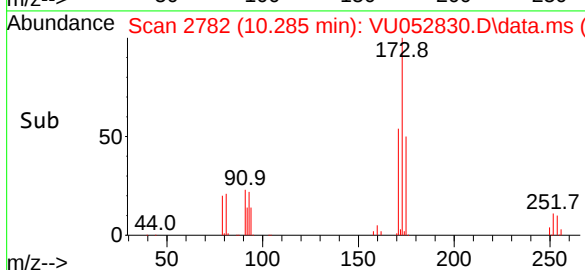
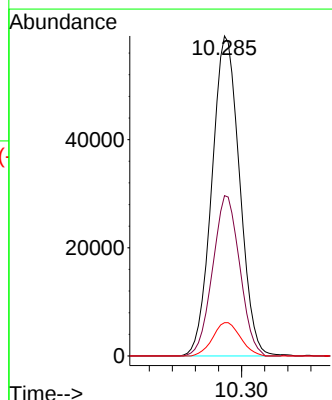
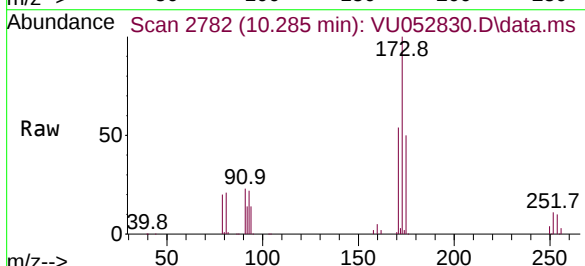
Tgt Ion:173 Resp: 98362

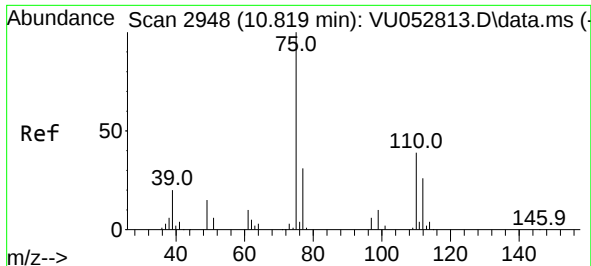
Ion Ratio Lower Upper

173 100

175 49.0 37.7 56.5

254 10.4 8.3 12.5

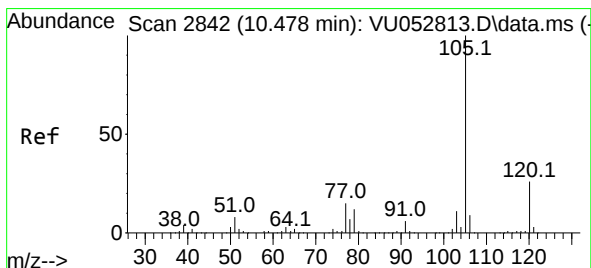
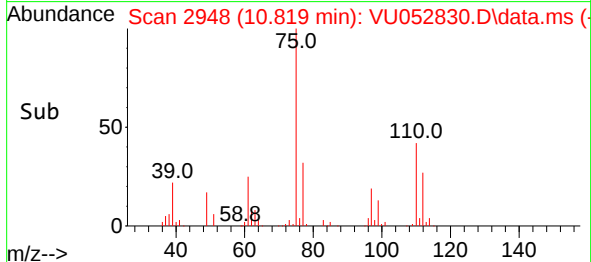
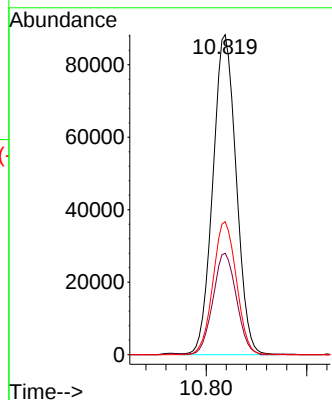
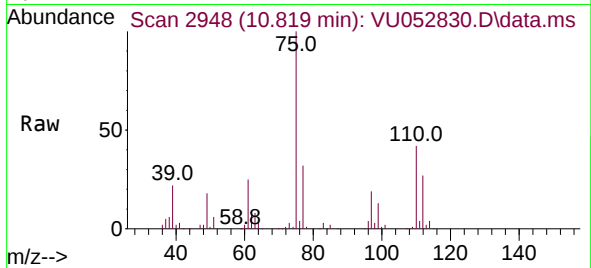




#60
1,2,3-Trichloropropane
Concen: 48.461 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

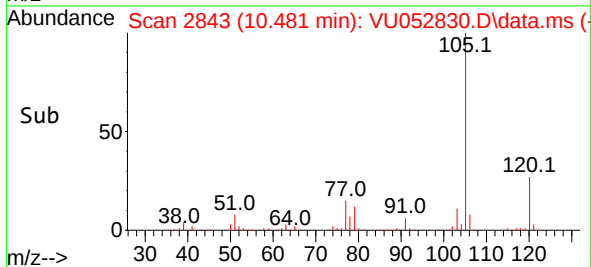
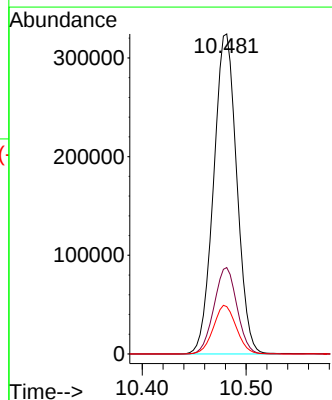
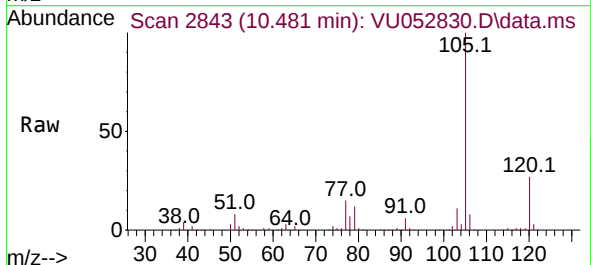
Instrument :
MSVOA_U
ClientSampleId :

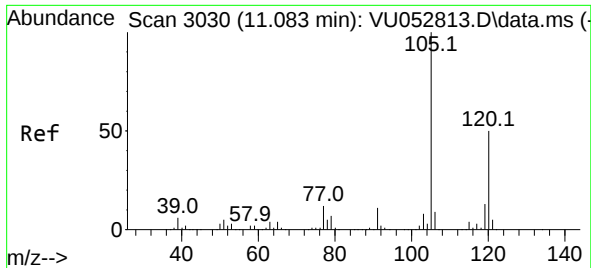
Tgt Ion: 75 Resp: 142732
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8
110 41.6 32.4 48.6



#61
Isopropylbenzene
Concen: 51.214 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

Tgt Ion: 105 Resp: 502232
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.2
77 15.0 12.2 18.2

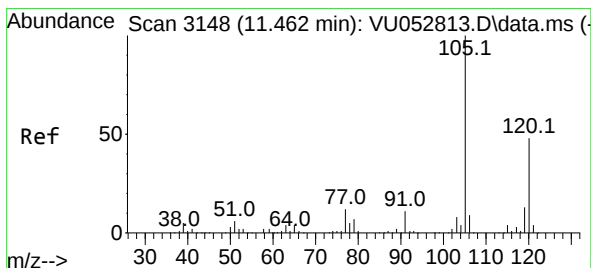
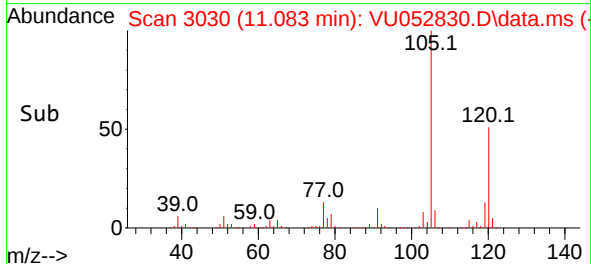
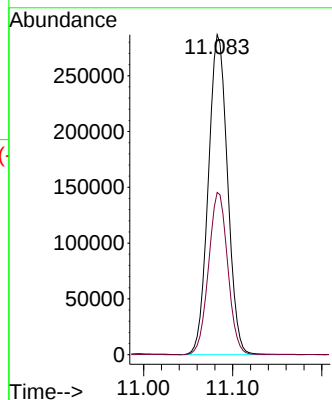
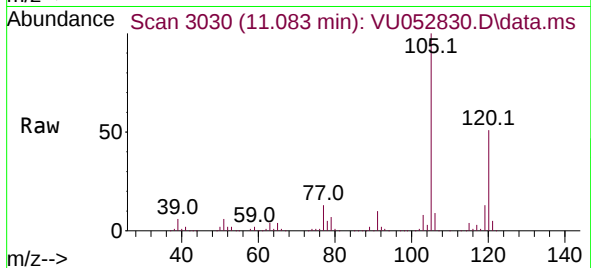




#62
 1,3,5-Trimethylbenzene
 Concen: 52.552 ug/L
 RT: 11.083 min Scan# 3030
 Delta R.T. -0.000 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

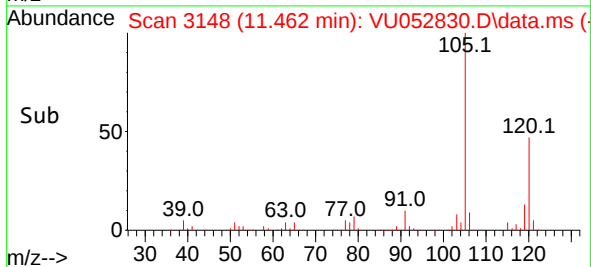
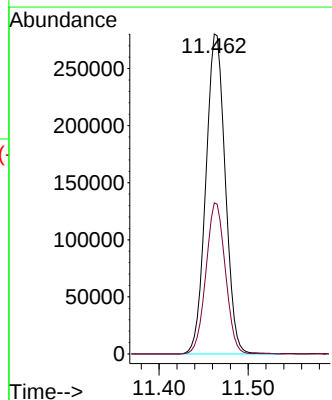
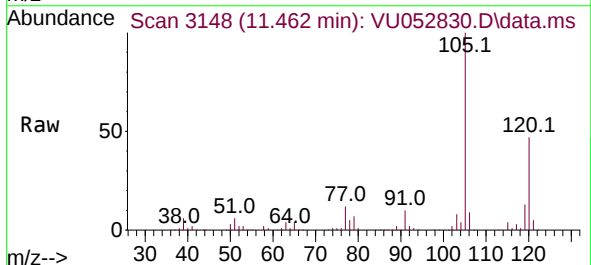
Instrument :
 MSVOA_U
 ClientSampleId :

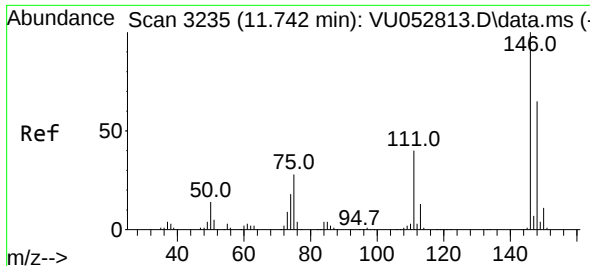
Tgt Ion:105 Resp: 429105
 Ion Ratio Lower Upper
 105 100
 120 50.6 40.4 60.6



#63
 1,2,4-Trimethylbenzene
 Concen: 53.496 ug/L
 RT: 11.462 min Scan# 3148
 Delta R.T. -0.000 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

Tgt Ion:105 Resp: 422684
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.1 57.1

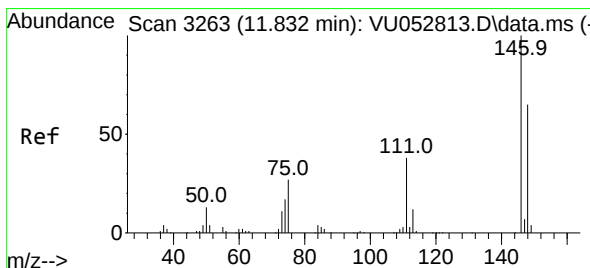
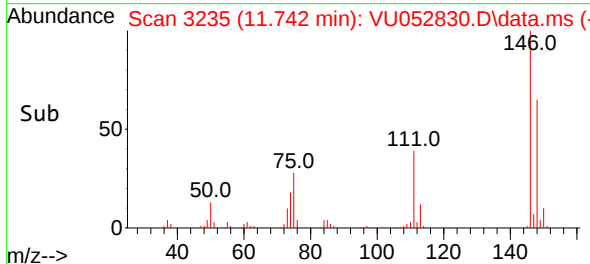
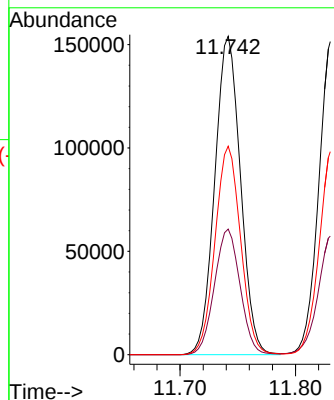
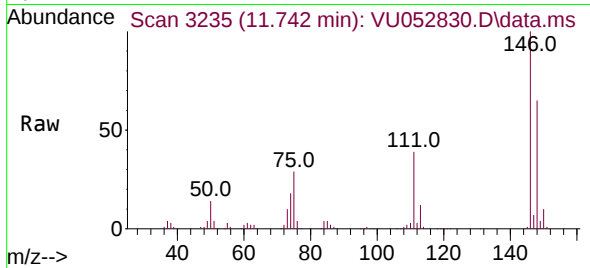




#64
 1,3-Dichlorobenzene
 Concen: 48.200 ug/L
 RT: 11.742 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

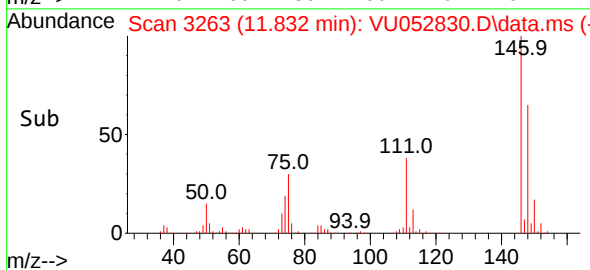
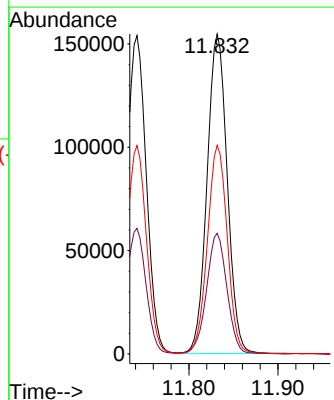
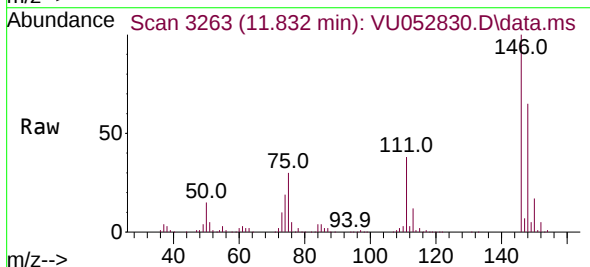
Instrument :
 MSVOA_U
 ClientSampleId :

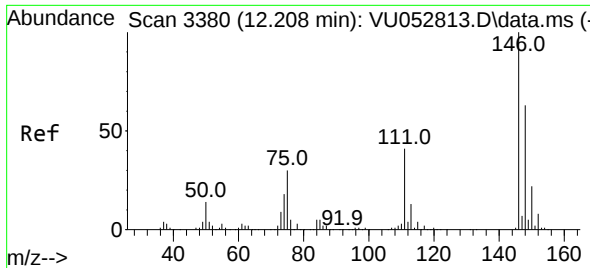
Tgt Ion:146 Resp: 238476
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.8 51.6
 148 65.5 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 47.444 ug/L
 RT: 11.832 min Scan# 3263
 Delta R.T. -0.000 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

Tgt Ion:146 Resp: 243009
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.7 49.7
 148 65.2 45.6 84.6

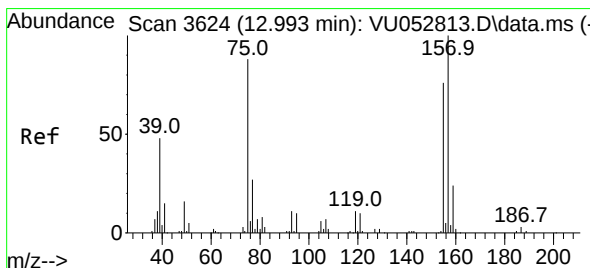
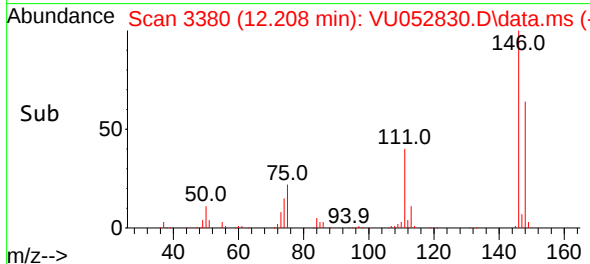
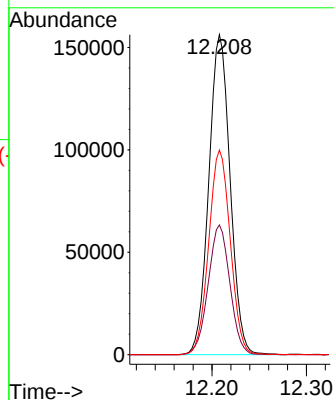
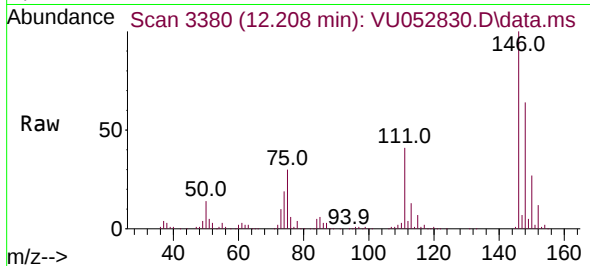




#67
1,2-Dichlorobenzene
Concen: 48.938 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

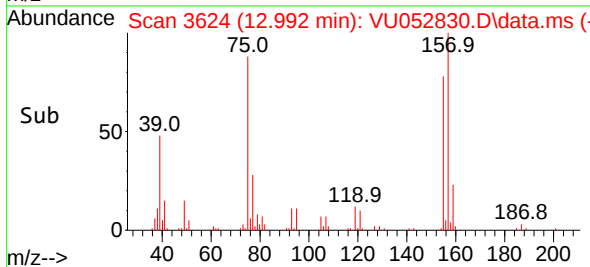
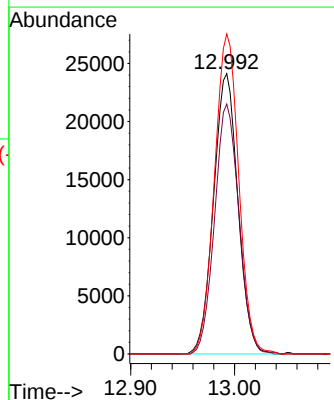
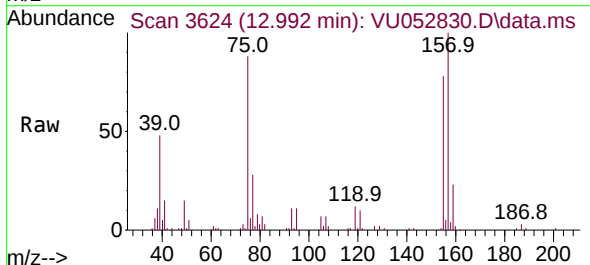
Instrument :
MSVOA_U
ClientSampleId :

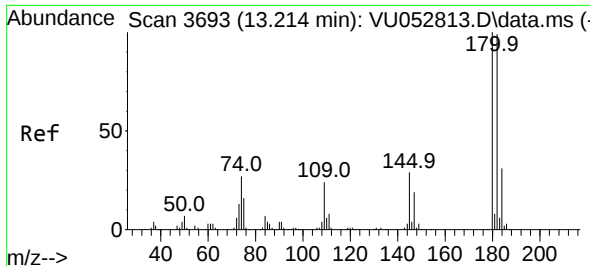
Tgt Ion:146 Resp: 244905
Ion Ratio Lower Upper
146 100
111 40.6 33.2 49.8
148 63.9 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 46.659 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. -0.000 min
Lab File: VU052830.D
Acq: 26 Jan 2023 20:46

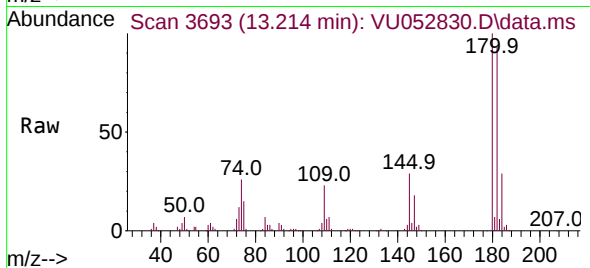
Tgt Ion: 75 Resp: 39392
Ion Ratio Lower Upper
75 100
155 89.1 69.2 103.8
157 114.1 91.2 136.8





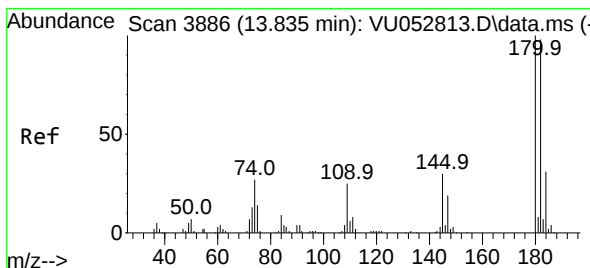
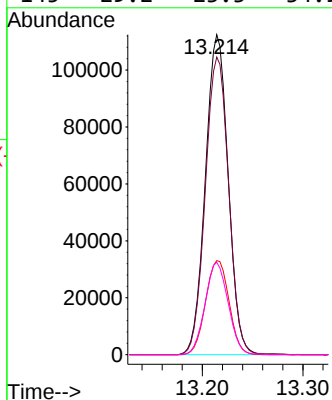
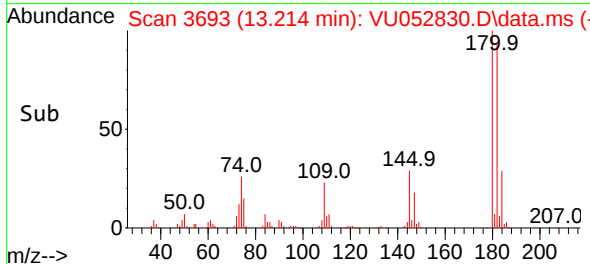
#69
 1,3,5-Trichlorobenzene
 Concen: 48.341 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. -0.000 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 177066

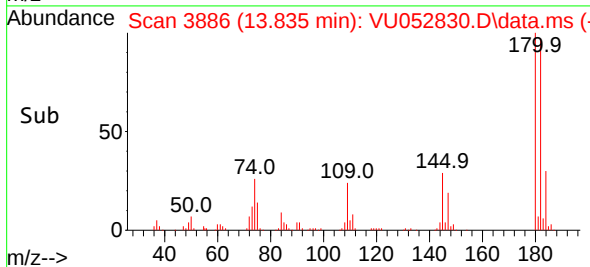
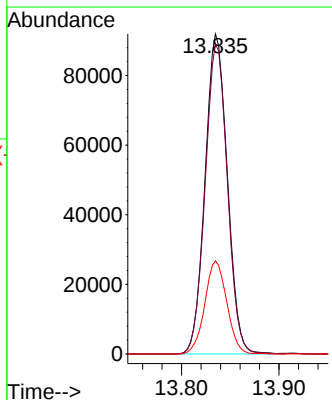
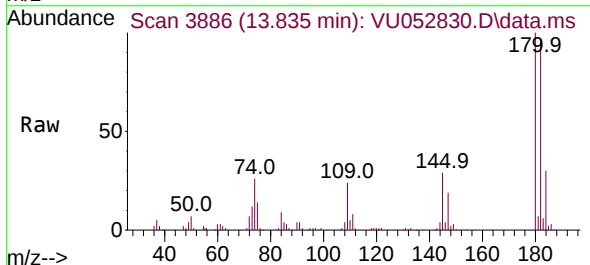
Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.6
184	30.2	24.4	36.6
145	29.2	23.3	34.9

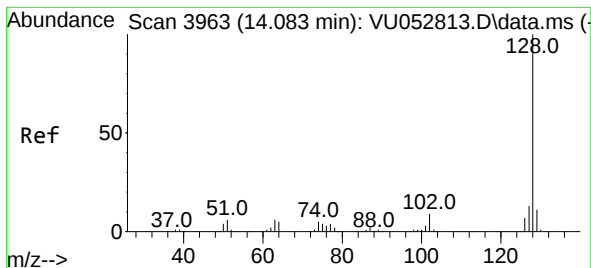


#70
 1,2,4-trichlorobenzene
 Concen: 47.598 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052830.D
 Acq: 26 Jan 2023 20:46

Tgt Ion:180 Resp: 146168

Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.2	117.2
145	28.6	23.4	35.2





#71

Naphthalene

Concen: 50.233 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Instrument :

MSVOA_U

ClientSampleId :

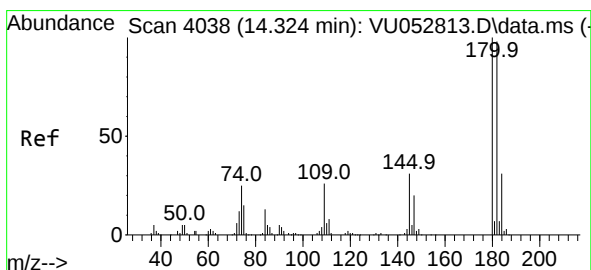
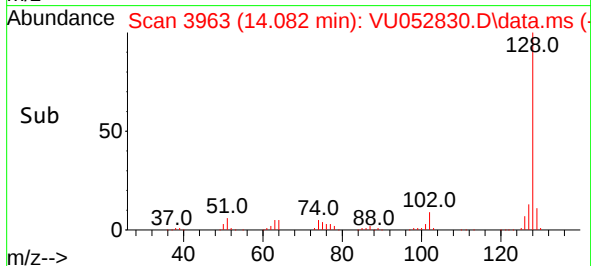
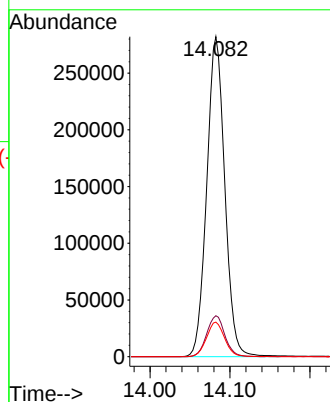
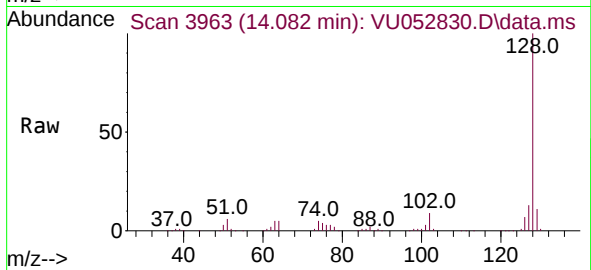
Tgt Ion:128 Resp: 443303

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 48.014 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. -0.000 min

Lab File: VU052830.D

Acq: 26 Jan 2023 20:46

Tgt Ion:180 Resp: 155824

Ion Ratio Lower Upper

180 100

182 98.0 77.5 116.3

145 31.6 24.2 36.4

