

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021723\
 Data File : VU053120.D
 Acq On : 17 Feb 2023 09:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050156

Quant Time: Feb 17 11:12:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 17 11:12:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	265509	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244381	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	126690	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	112909	46.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.580%
7) Chloroethane-d5	1.913	69	98068	47.507	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.020%
11) 1,1-Dichloroethene-d2	2.566	63	206138	49.273	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.540%
21) 2-Butanone-d5	4.624	46	130303	102.221	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.220%
24) Chloroform-d	5.058	84	215766	50.148	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.300%
26) 1,2-Dichloroethane-d4	5.694	65	134972	49.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.660%
32) Benzene-d6	5.723	84	435523	49.957	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.920%
36) 1,2-Dichloropropane-d6	6.685	67	144041	50.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.160%
41) Toluene-d8	7.894	98	402071	49.809	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.620%
43) trans-1,3-Dichloroprop...	8.173	79	68262	47.060	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.120%
47) 2-Hexanone-d5	8.627	63	98648	100.270	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.270%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	189056	49.875	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.760%
66) 1,2-Dichlorobenzene-d4	12.189	152	142334	50.537	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	135015	49.697	ug/L	98
3) Chloromethane	1.518	50	126782	47.874	ug/L	98
5) Vinyl chloride	1.605	62	134201	47.282	ug/L	98
6) Bromomethane	1.859	94	81139	44.970	ug/L	99
8) Chloroethane	1.933	64	81431	47.133	ug/L	100
9) Trichlorofluoromethane	2.135	101	179408	48.612	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	103705	50.261	ug/L	99
12) 1,1-Dichloroethene	2.576	96	95063	48.687	ug/L	90
13) Acetone	2.637	43	75977	94.216	ug/L	97
14) Carbon disulfide	2.791	76	296102	46.790	ug/L	100
15) Methyl Acetate	2.949	43	88741	51.060	ug/L	100
16) Methylene chloride	3.042	84	133426	59.446	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	97389	49.102	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	340889	51.146	ug/L	100
19) 1,1-Dichloroethane	3.865	63	195021	50.121	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	114138	49.415	ug/L	99
22) 2-Butanone	4.704	43	121864	99.453	ug/L	99
23) Bromochloromethane	4.968	128	56465	52.077	ug/L	97
25) Chloroform	5.084	83	199889	50.412	ug/L	98

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 Quant Title : VOC Analysis
 QLast Update : Fri Feb 17 11:12:12 2023
 Response via : Initial Calibration

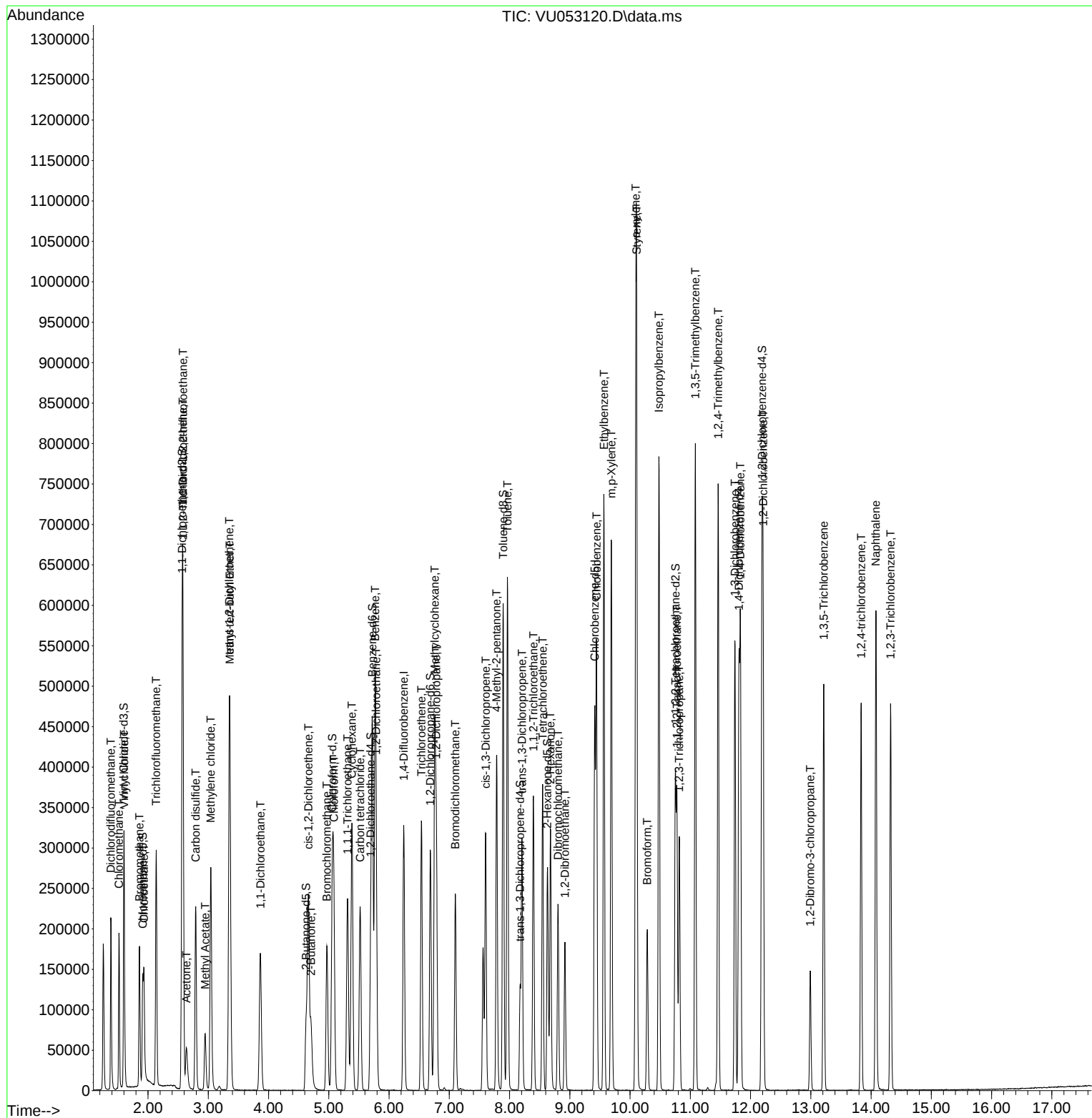
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	156626	50.894	ug/L	100
29) Cyclohexane	5.383	56	181959	50.386	ug/L	100
30) 1,1,1-Trichloroethane	5.312	97	173272	50.744	ug/L	99
31) Carbon tetrachloride	5.521	117	145803	50.251	ug/L	98
33) Benzene	5.768	78	430580	50.089	ug/L	100
34) Trichloroethene	6.537	95	114136	51.168	ug/L	98
35) Methylcyclohexane	6.759	83	189117	48.950	ug/L	99
37) 1,2-Dichloropropane	6.784	63	120152	50.686	ug/L	100
38) Bromodichloromethane	7.100	83	153757	51.566	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	192144	49.361	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	256568	101.635	ug/L	100
42) Toluene	7.964	91	462752	50.607	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	175036	48.545	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	109908	51.126	ug/L	99
46) Tetrachloroethene	8.550	164	75773	51.279	ug/L	97
48) 2-Hexanone	8.678	43	193647	97.215	ug/L	100
49) Dibromochloromethane	8.804	129	116725	52.569	ug/L	100
50) 1,2-Dibromoethane	8.919	107	117749	51.565	ug/L	98
51) Chlorobenzene	9.443	112	288522	50.934	ug/L	99
52) Ethylbenzene	9.566	91	516524	50.650	ug/L	99
53) m,p-Xylene	9.691	106	196344	51.202	ug/L	99
54) o-xylene	10.096	106	195289	51.367	ug/L	99
55) Styrene	10.109	104	324297	51.428	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	177255	50.832	ug/L	99
59) Bromoform	10.286	173	82411	52.847	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	133346	50.429	ug/L	99
61) Isopropylbenzene	10.479	105	515068	50.925	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	430412	50.260	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	418069	50.436	ug/L	100
64) 1,3-Dichlorobenzene	11.739	146	209965	50.693	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	213539	50.818	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	212724	50.815	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	39240	50.342	ug/L	90
69) 1,3,5-Trichlorobenzene	13.215	180	143192	50.998	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	131373	49.438	ug/L	100
71) Naphthalene	14.080	128	468907	45.960	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	135107	50.635	ug/L	99

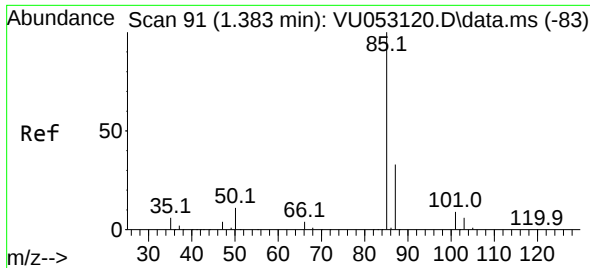
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ALS Vial  : 2      Sample Multiplier: 1
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ClientSampleId :
VSTD050156

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Quant Title : VOC Analysis
QLast Update : Fri Feb 17 11:12:12 2023
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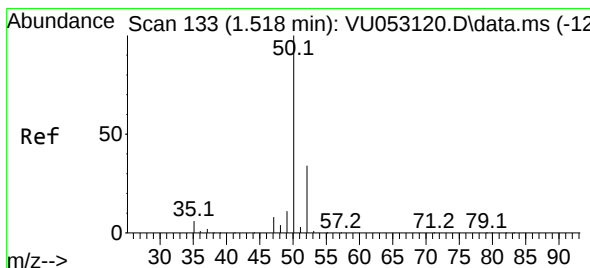
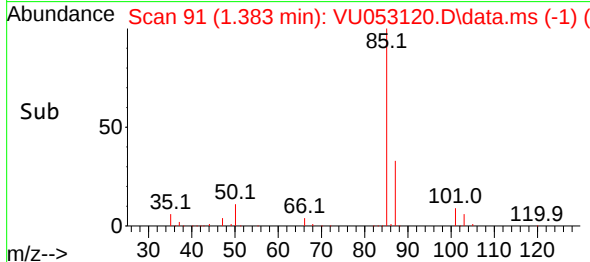
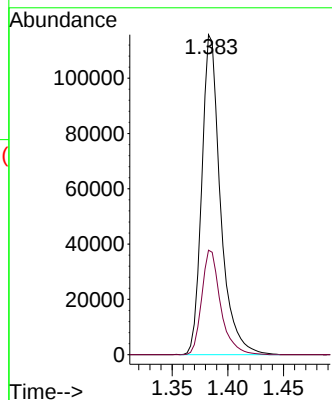
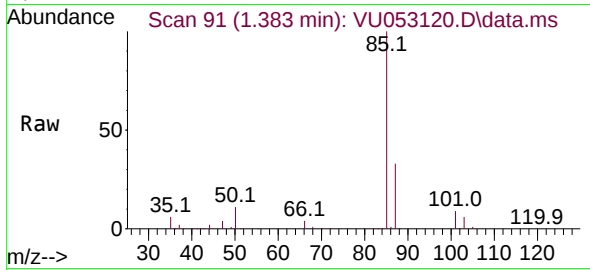




#2
 Dichlorodifluoromethane
 Concen: 49.697 ug/L
 RT: 1.383 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU053120.D
 Acq: 17 Feb 2023 09:53

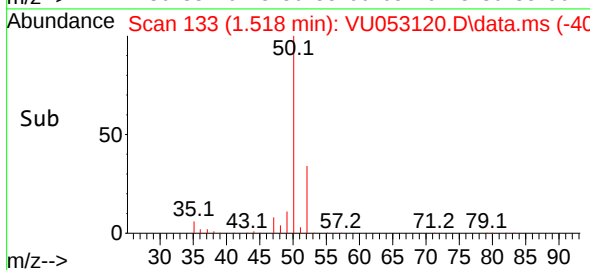
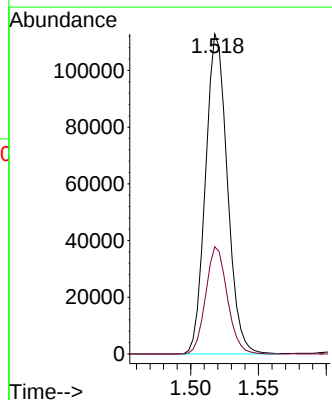
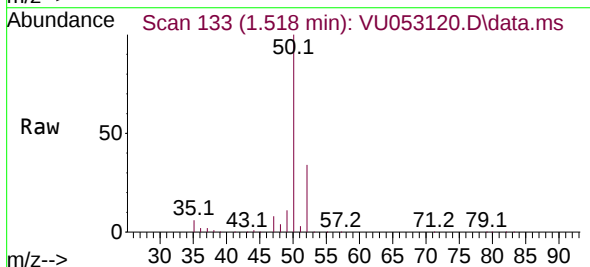
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050156

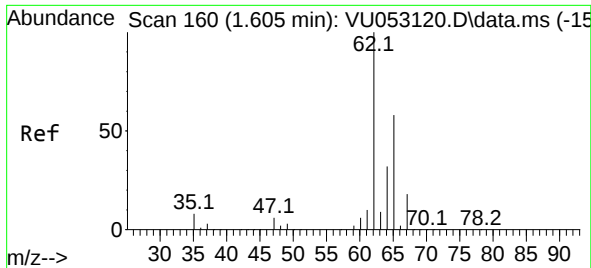
Tgt Ion: 85 Resp: 135015
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.6 38.4



#3
 Chloromethane
 Concen: 47.874 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. 0.000 min
 Lab File: VU053120.D
 Acq: 17 Feb 2023 09:53

Tgt Ion: 50 Resp: 126782
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.8 42.4

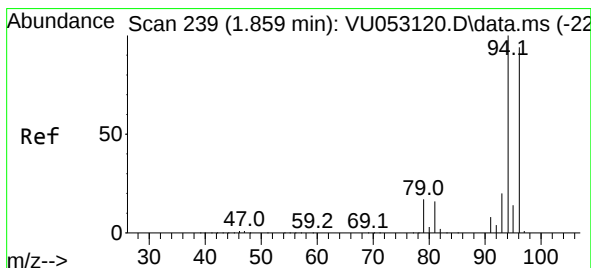
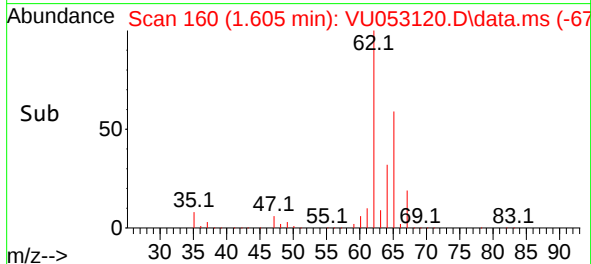
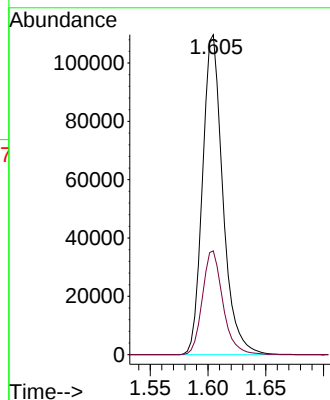
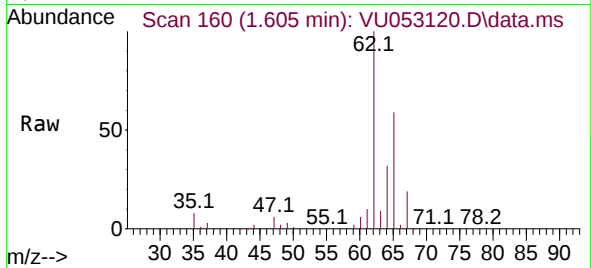




#5
 Vinyl chloride
 Concen: 47.282 ug/L
 RT: 1.605 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VU053120.D
 Acq: 17 Feb 2023 09:53

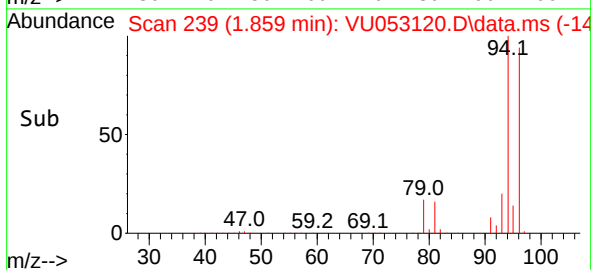
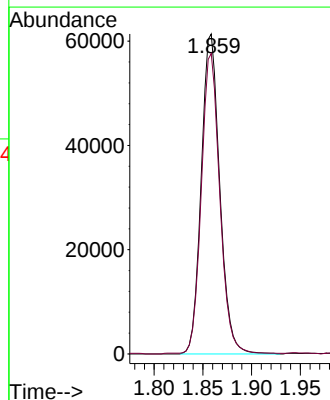
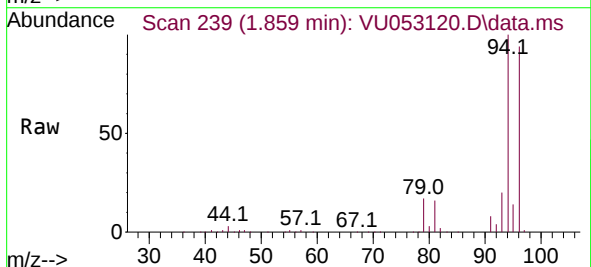
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050156

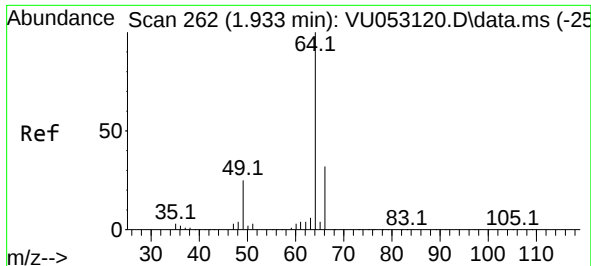
Tgt Ion: 62 Resp: 134201
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.4 43.6



#6
 Bromomethane
 Concen: 44.970 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU053120.D
 Acq: 17 Feb 2023 09:53

Tgt Ion: 94 Resp: 81139
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.0 120.8

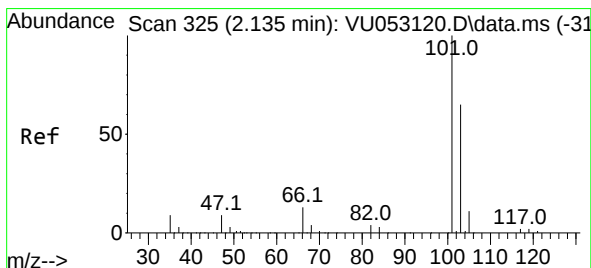
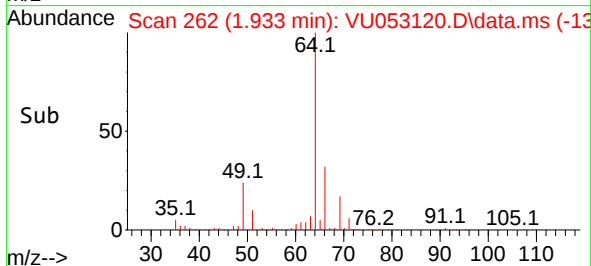
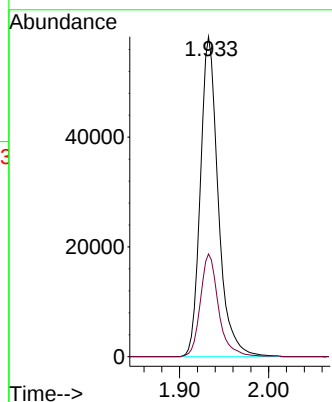
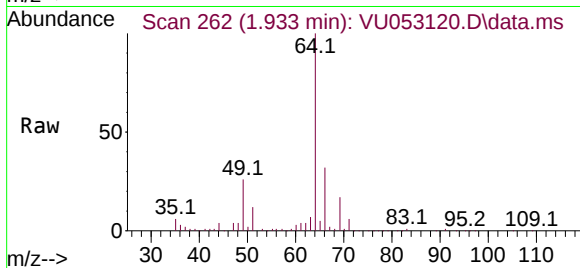




#8
Chloroethane
Concen: 47.133 ug/L
RT: 1.933 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

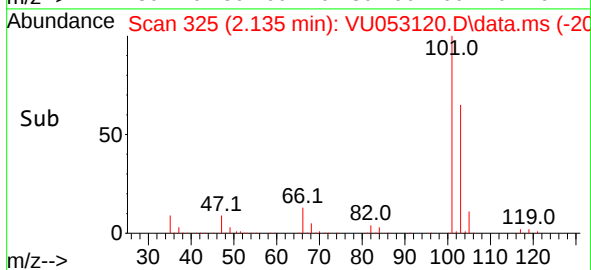
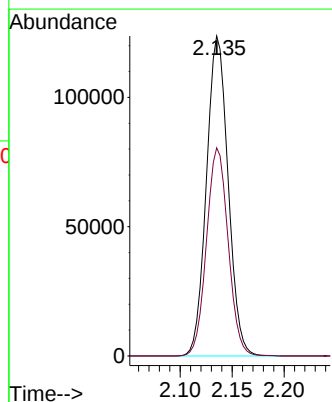
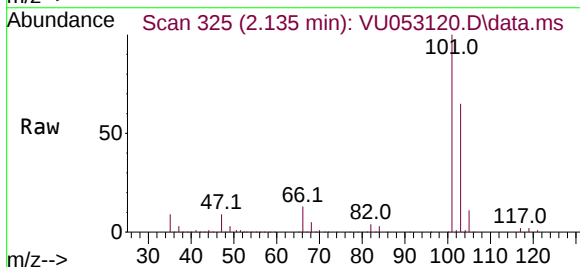
Instrument :
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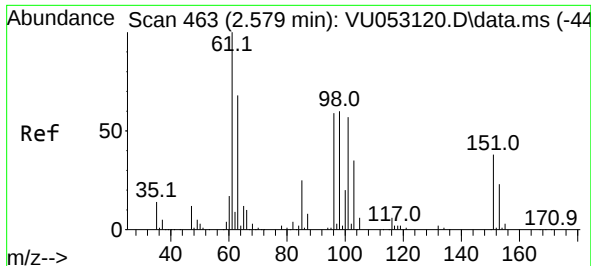
Tgt Ion: 64 Resp: 81431
Ion Ratio Lower Upper
64 100
66 32.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 48.612 ug/L
RT: 2.135 min Scan# 325
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion:101 Resp: 179408
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.0





#10

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

Concen: 50.261 ug/L

RT: 2.579 min Scan# 463

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050156

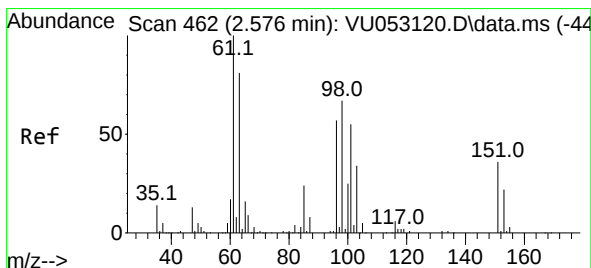
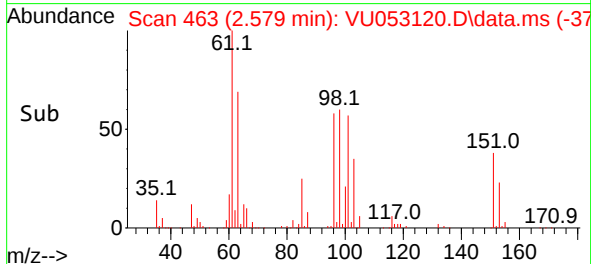
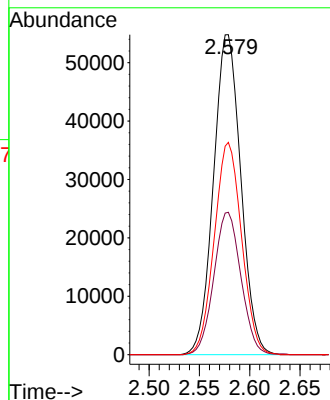
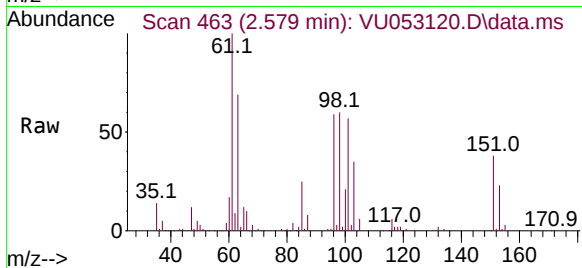
Tgt Ion:101 Resp: 103705

Ion Ratio Lower Upper

101 100

85 44.0 36.6 54.8

151 66.3 52.6 79.0



#12

1,1-Dichloroethene

Concen: 48.687 ug/L

RT: 2.576 min Scan# 462

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

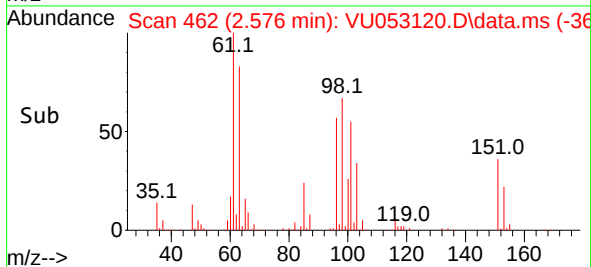
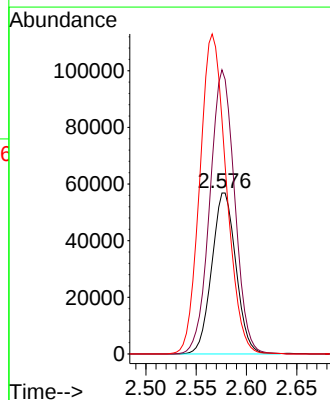
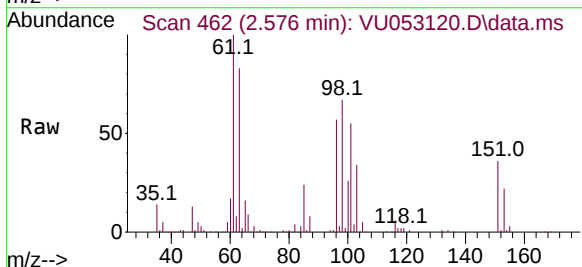
Tgt Ion: 96 Resp: 95063

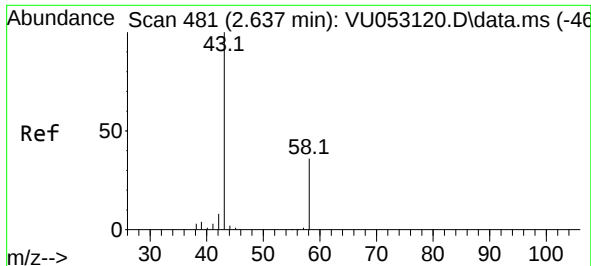
Ion Ratio Lower Upper

96 100

61 176.6 121.9 226.3

63 145.7 84.2 156.4





#13

Acetone

Concen: 94.216 ug/L

RT: 2.637 min Scan# 481

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

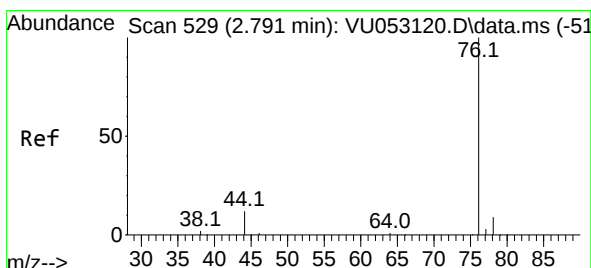
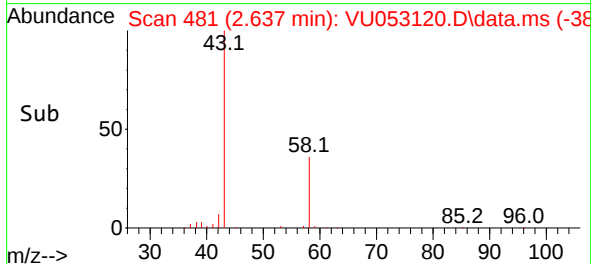
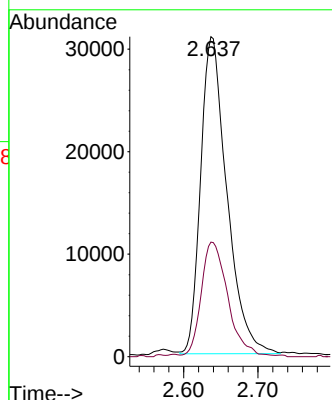
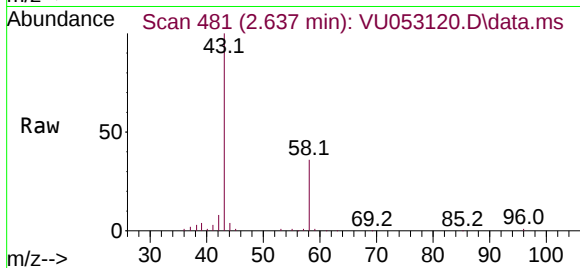
VSTD050156

Tgt Ion: 43 Resp: 75977

Ion Ratio Lower Upper

43 100

58 35.5 0.0 74.6



#14

Carbon disulfide

Concen: 46.790 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053120.D

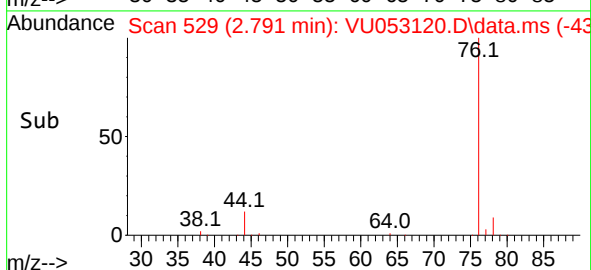
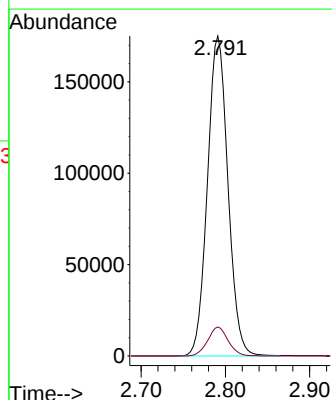
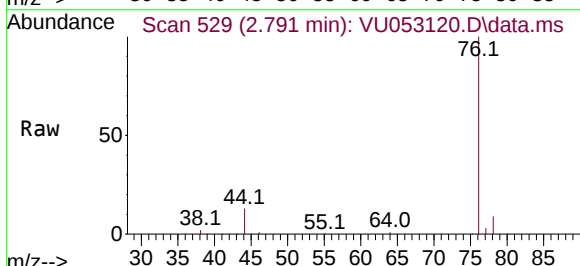
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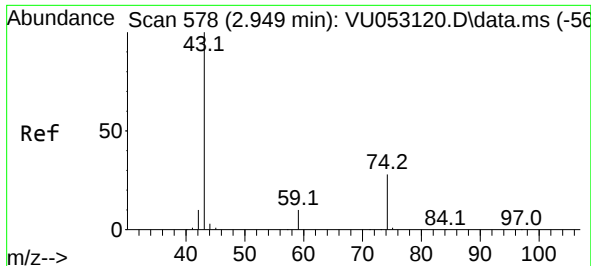
Tgt Ion: 76 Resp: 296102

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

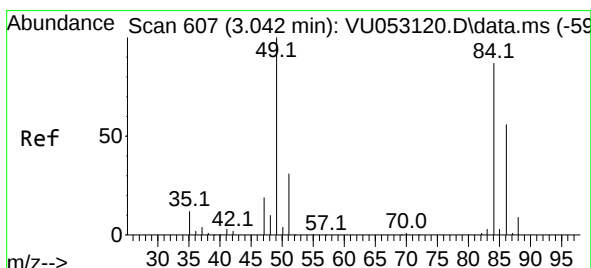
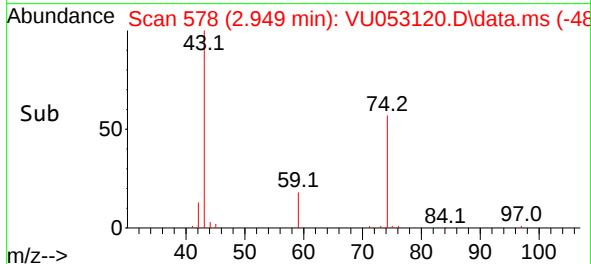
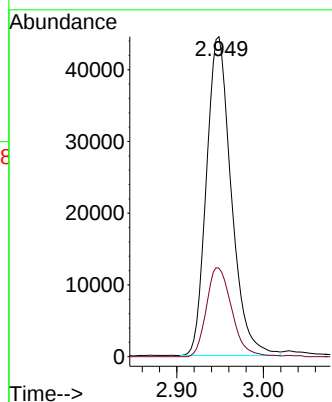
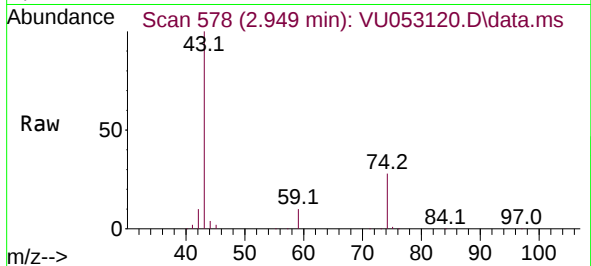




#15
Methyl Acetate
Concen: 51.060 ug/L
RT: 2.949 min Scan# 578
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

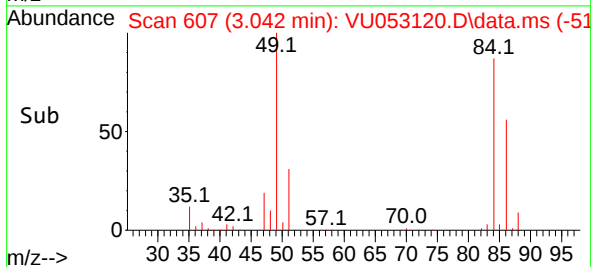
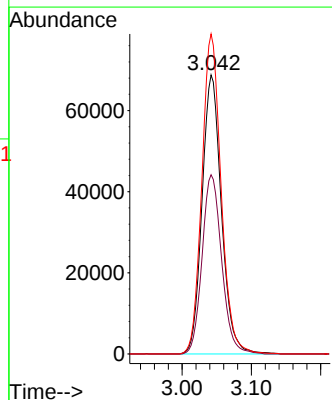
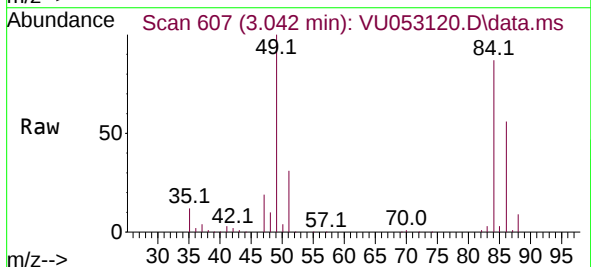
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

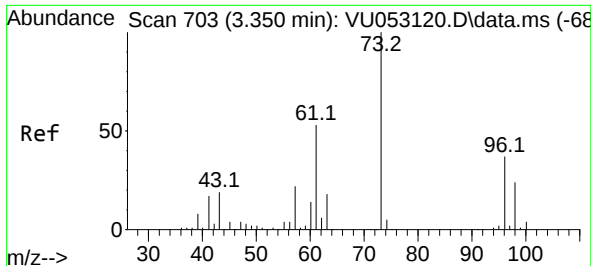
Tgt Ion: 43 Resp: 88741
Ion Ratio Lower Upper
43 100
74 28.3 22.7 34.1



#16
Methylene chloride
Concen: 59.446 ug/L
RT: 3.042 min Scan# 607
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 84 Resp: 133426
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 114.7 78.8 146.3

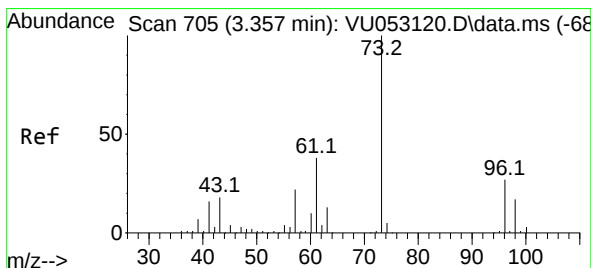
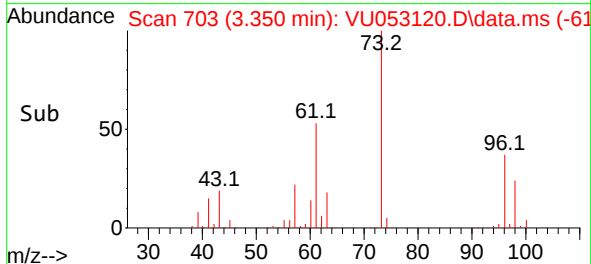
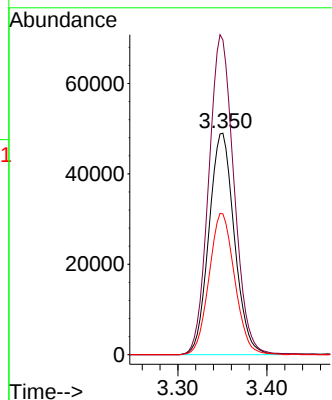
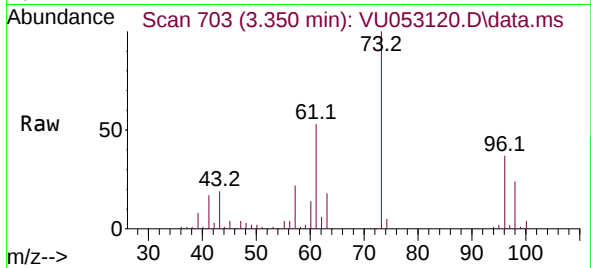




#17
trans-1,2-Dichloroethene
Concen: 49.102 ug/L
RT: 3.350 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

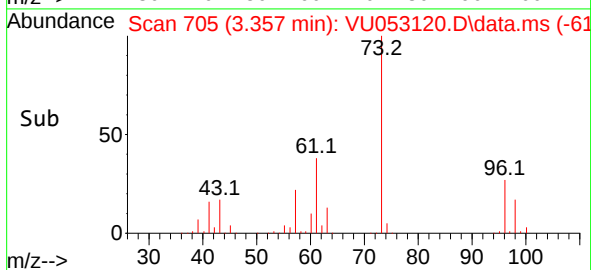
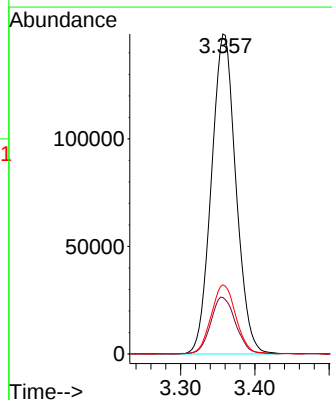
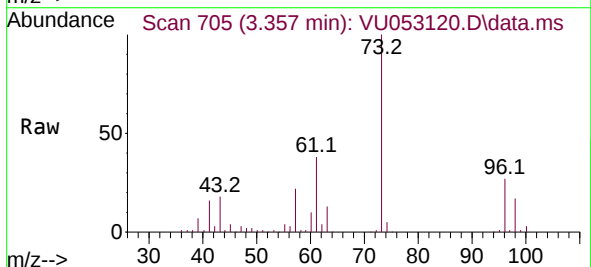
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

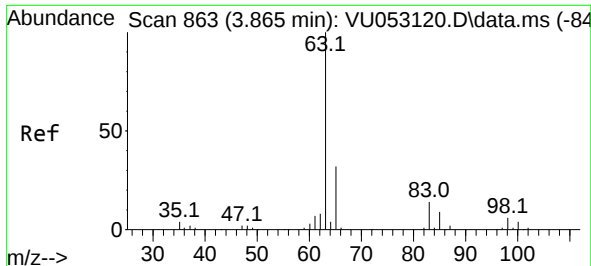
Tgt Ion: 96 Resp: 97389
Ion Ratio Lower Upper
96 100
61 142.1 99.2 184.2
98 63.6 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 51.146 ug/L
RT: 3.357 min Scan# 705
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 73 Resp: 340889
Ion Ratio Lower Upper
73 100
43 17.9 14.1 21.1
57 21.8 17.4 26.0





#19

1,1-Dichloroethane

Concen: 50.121 ug/L

RT: 3.865 min Scan# 863

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050156

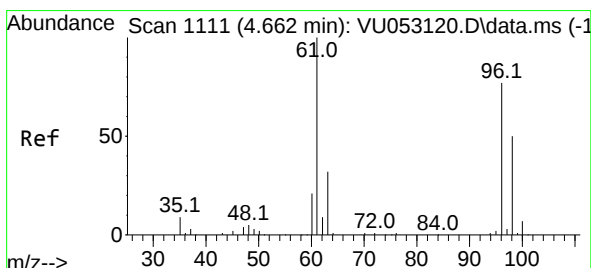
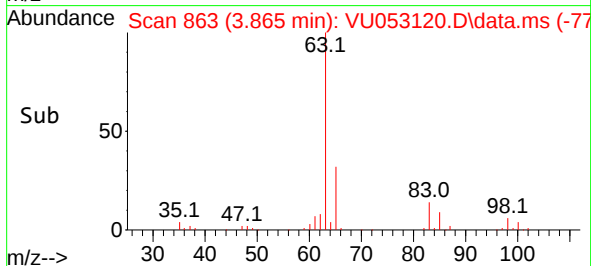
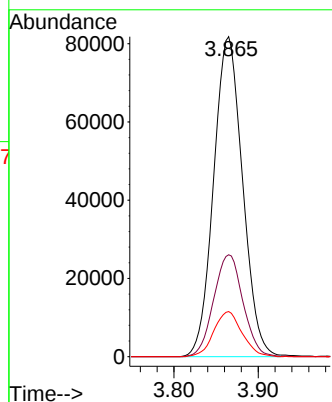
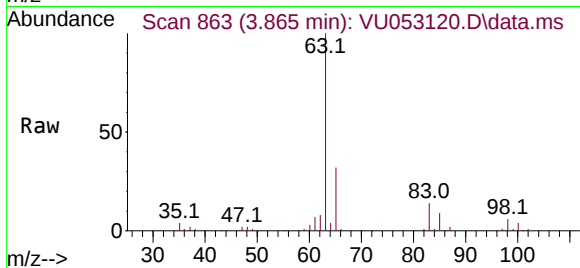
Tgt Ion: 63 Resp: 195021

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 14.1 9.4 17.4



#20

cis-1,2-Dichloroethene

Concen: 49.415 ug/L

RT: 4.662 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

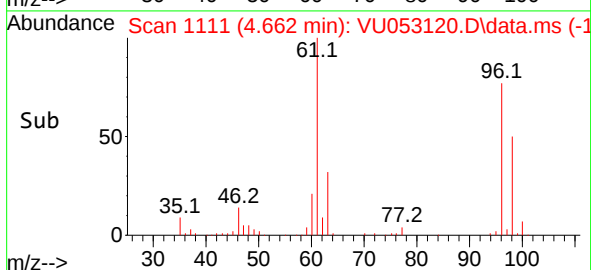
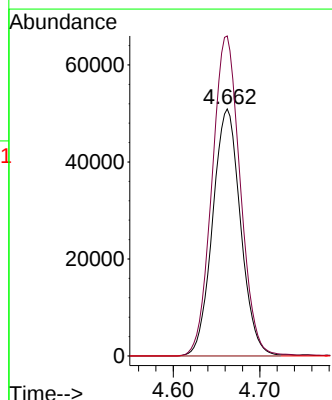
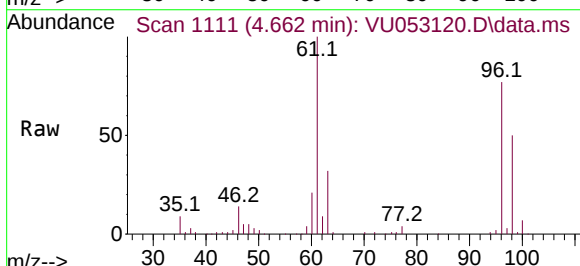
Tgt Ion: 96 Resp: 114138

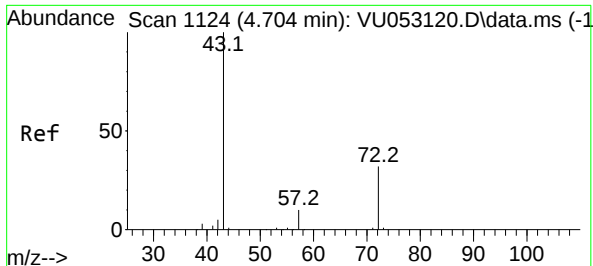
Ion Ratio Lower Upper

96 100

61 129.5 91.9 170.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.453 ug/L

RT: 4.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

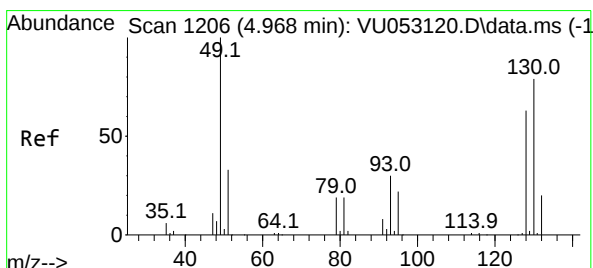
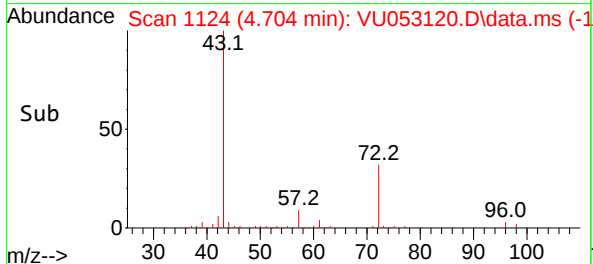
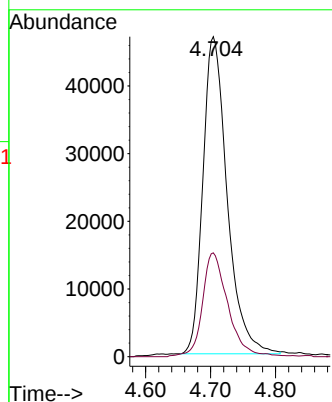
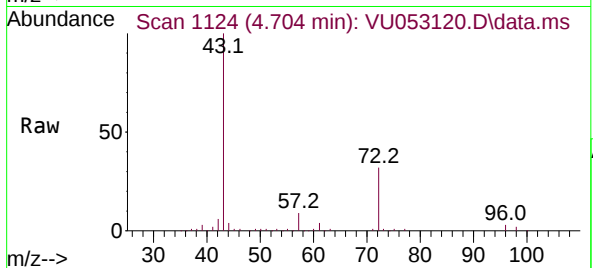
VSTD050156

Tgt Ion: 43 Resp: 121864

Ion Ratio Lower Upper

43 100

72 33.8 16.6 49.7



#23

Bromochloromethane

Concen: 52.077 ug/L

RT: 4.968 min Scan# 1206

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Tgt Ion:128 Resp: 56465

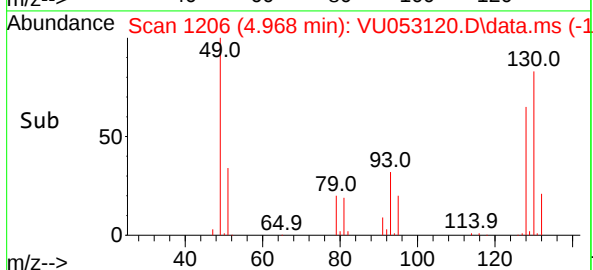
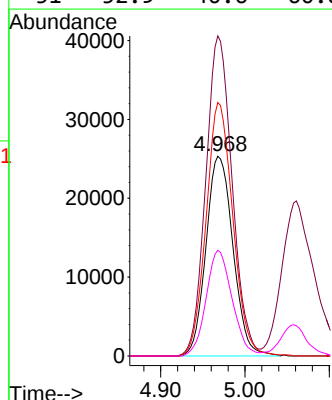
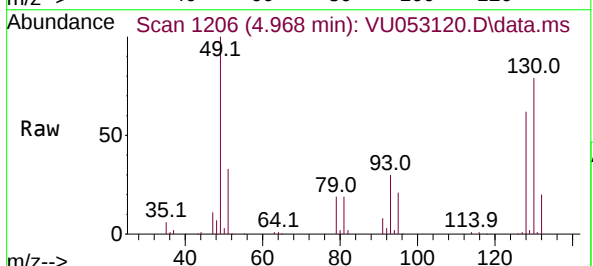
Ion Ratio Lower Upper

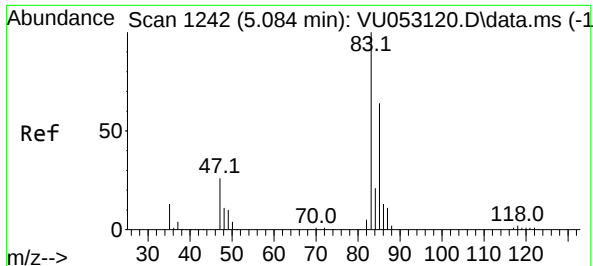
128 100

49 160.2 107.6 199.8

130 126.9 87.9 163.3

51 52.9 40.6 60.8





#25

Chloroform

Concen: 50.412 ug/L

RT: 5.084 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

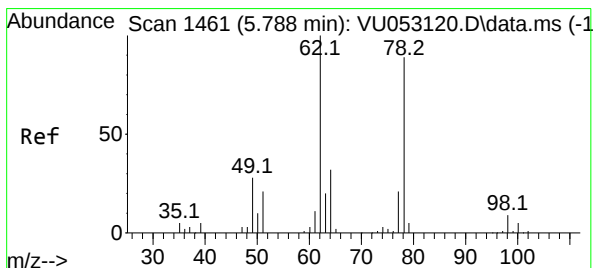
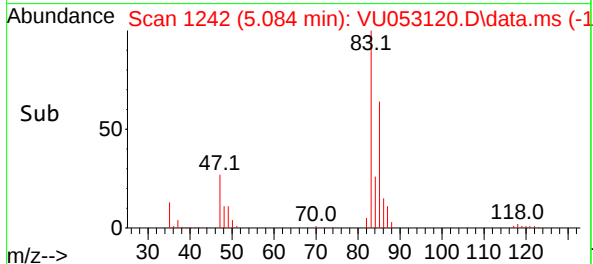
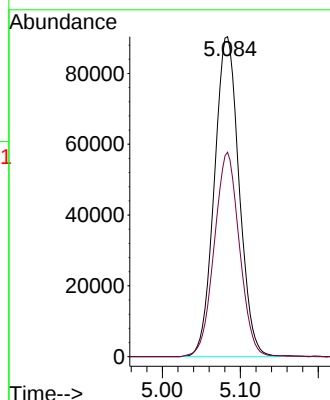
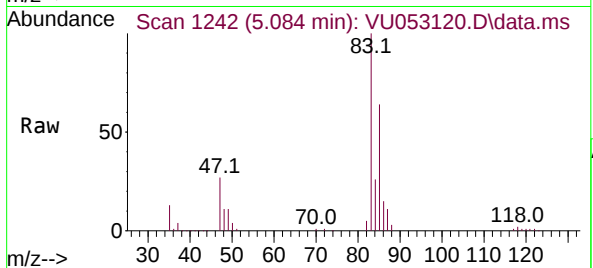
VSTD050156

Tgt Ion: 83 Resp: 199889

Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 50.894 ug/L

RT: 5.788 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VU053120.D

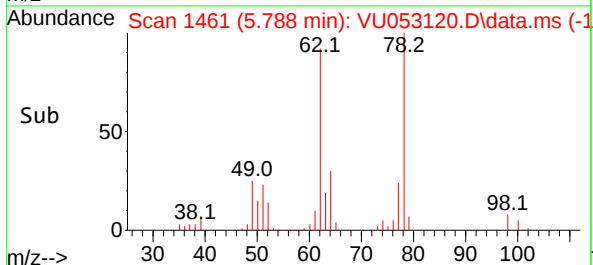
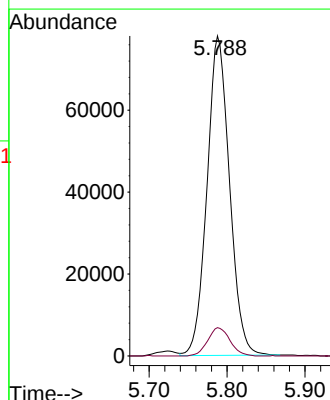
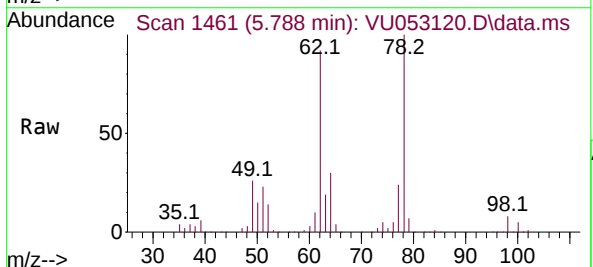
Acq: 17 Feb 2023 09:53

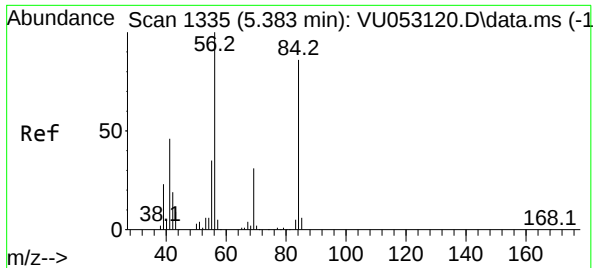
Tgt Ion: 62 Resp: 156626

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8

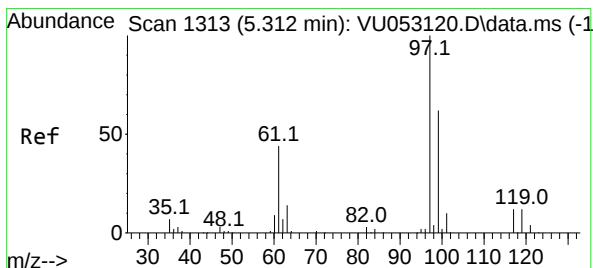
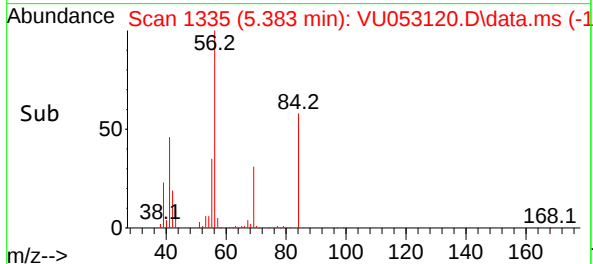
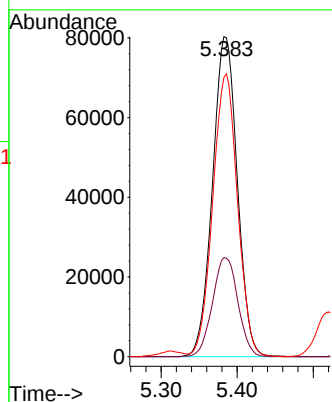
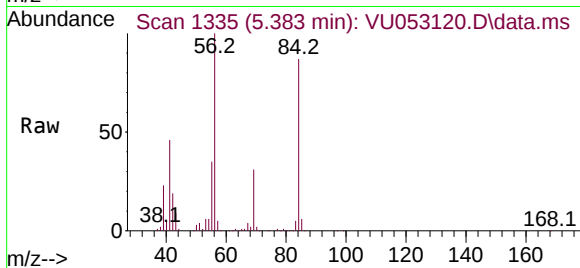




#29
Cyclohexane
Concen: 50.386 ug/L
RT: 5.383 min Scan# 1335
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

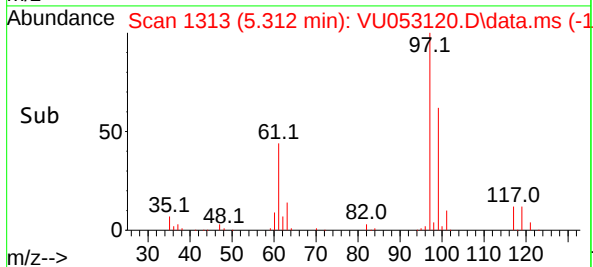
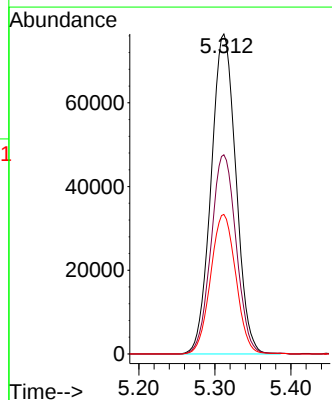
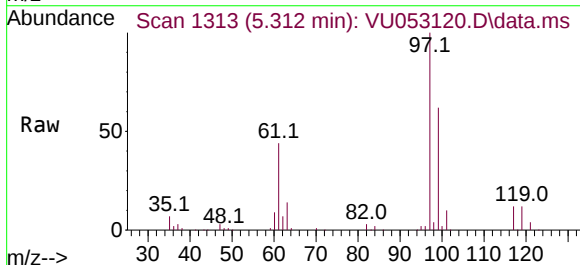
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

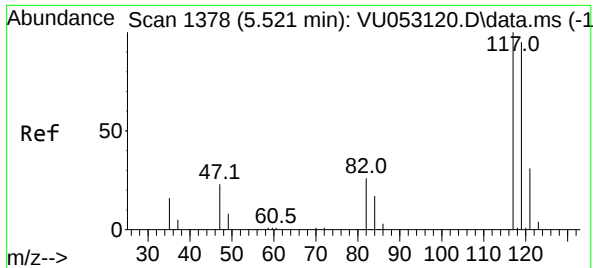
Tgt Ion: 56 Resp: 181959
Ion Ratio Lower Upper
56 100
69 31.7 25.9 38.9
84 88.4 70.7 106.1



#30
1,1,1-Trichloroethane
Concen: 50.744 ug/L
RT: 5.312 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 97 Resp: 173272
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 44.3 35.3 52.9

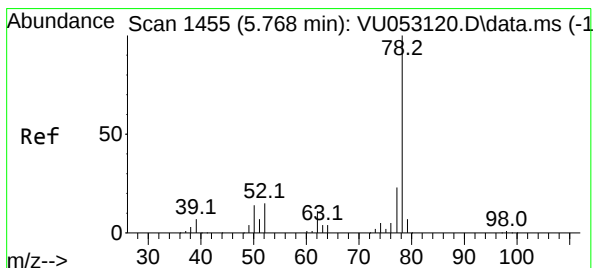
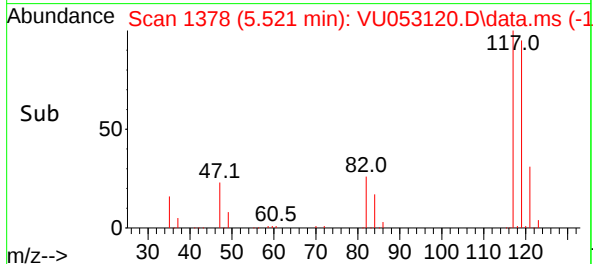
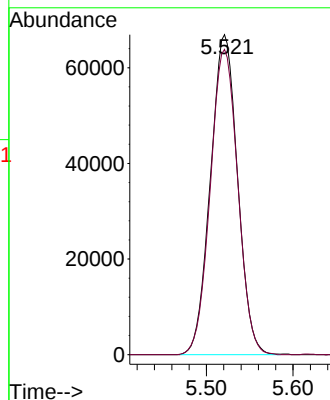
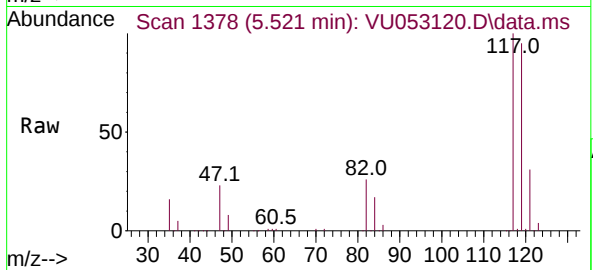




#31
Carbon tetrachloride
Concen: 50.251 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

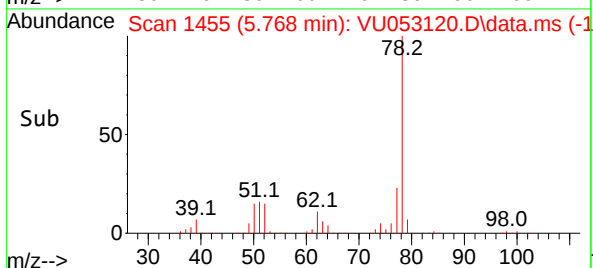
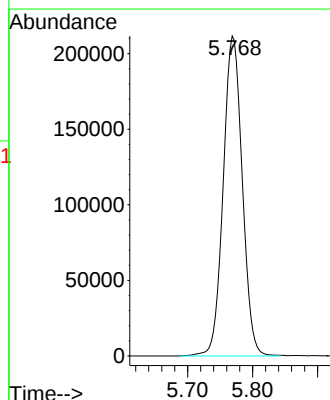
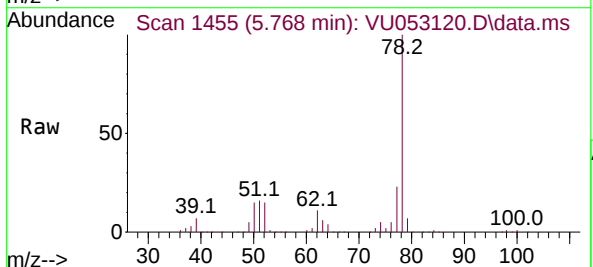
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

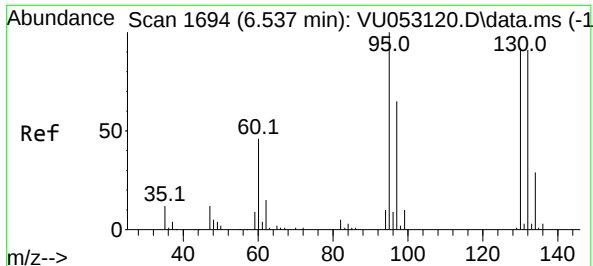
Tgt Ion:117 Resp: 145803
Ion Ratio Lower Upper
117 100
119 96.6 75.9 113.9



#33
Benzene
Concen: 50.089 ug/L
RT: 5.768 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 78 Resp: 430580

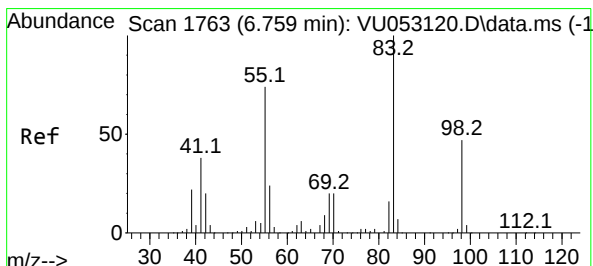
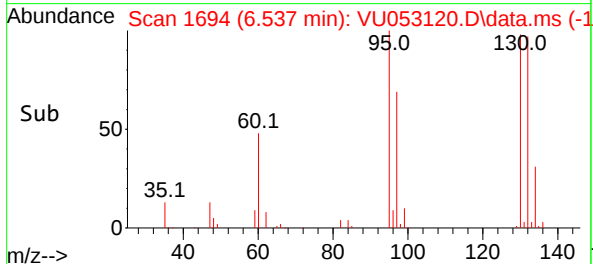
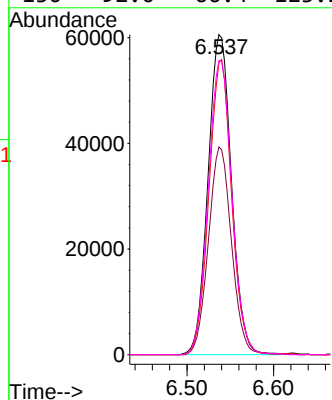
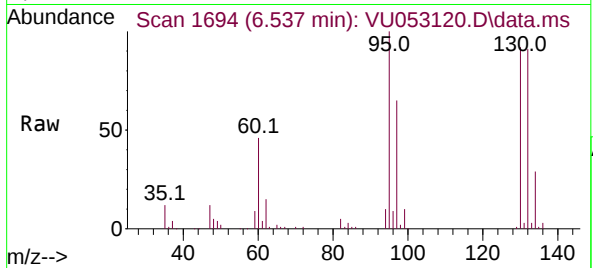




#34
Trichloroethene
Concen: 51.168 ug/L
RT: 6.537 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

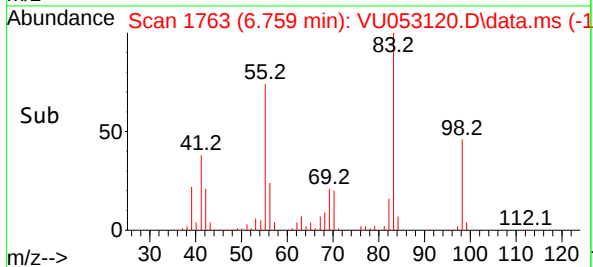
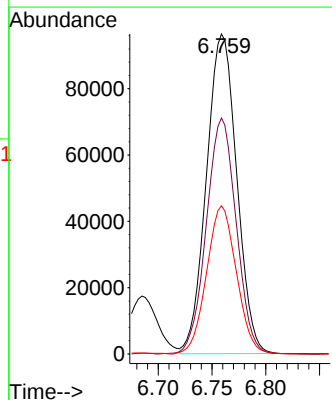
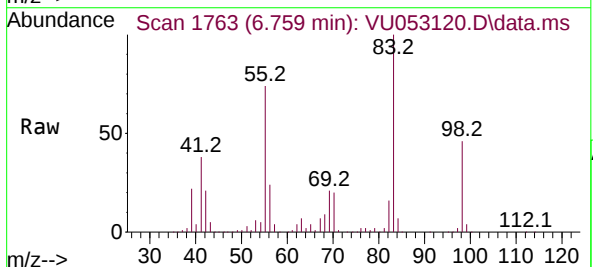
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

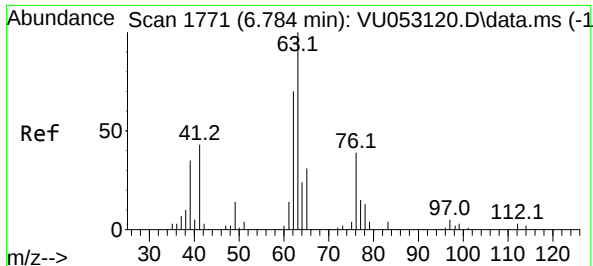
Tgt Ion: 95 Resp: 114136
Ion Ratio Lower Upper
95 100
97 64.8 47.1 87.5
132 91.1 63.6 118.2
130 92.0 66.4 123.2



#35
Methylcyclohexane
Concen: 48.950 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 83 Resp: 189117
Ion Ratio Lower Upper
83 100
55 72.8 57.4 86.2
98 45.6 36.1 54.1





#37

1,2-Dichloropropane

Concen: 50.686 ug/L

RT: 6.784 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

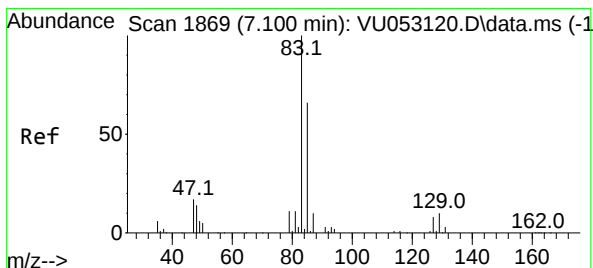
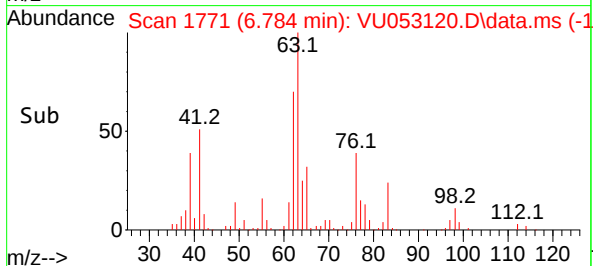
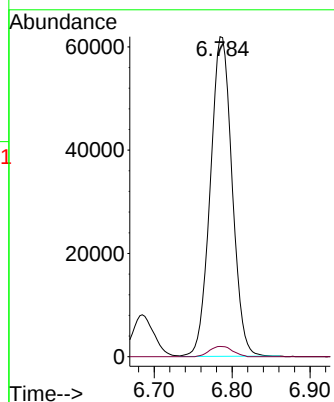
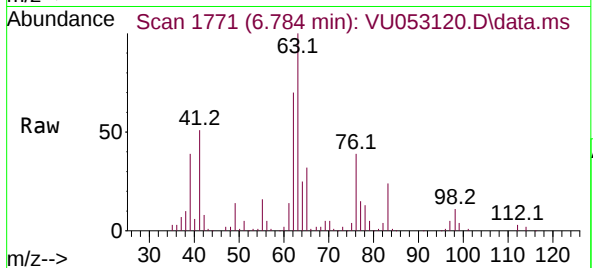
VSTD050156

Tgt Ion: 63 Resp: 120152

Ion Ratio Lower Upper

63 100

112 3.4 2.7 4.1



#38

Bromodichloromethane

Concen: 51.566 ug/L

RT: 7.100 min Scan# 1869

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

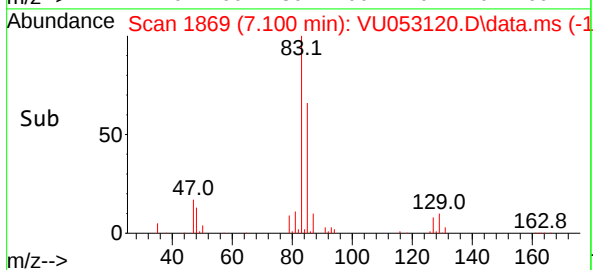
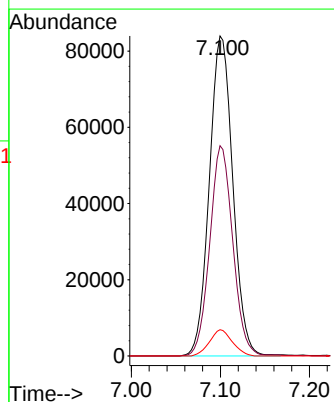
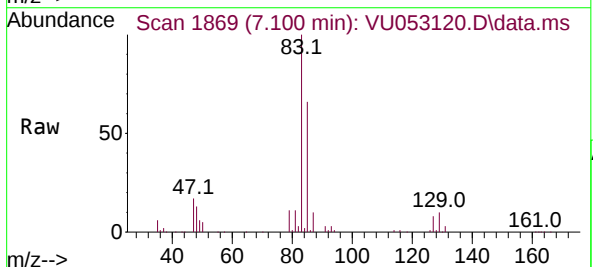
Tgt Ion: 83 Resp: 153757

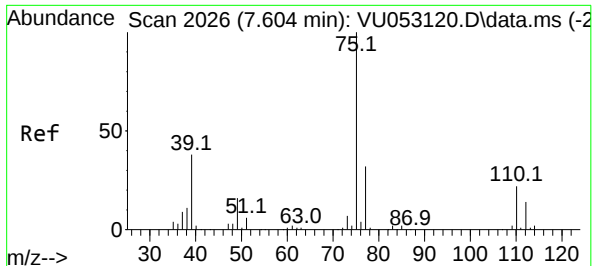
Ion Ratio Lower Upper

83 100

85 65.7 44.2 82.0

127 8.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 49.361 ug/L

RT: 7.604 min Scan# 2026

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

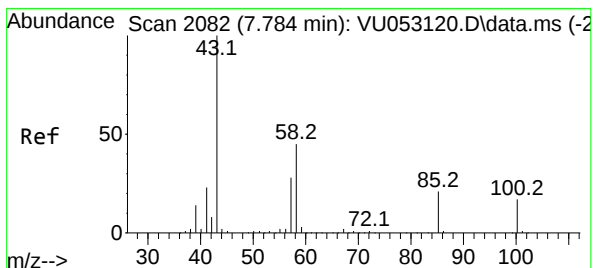
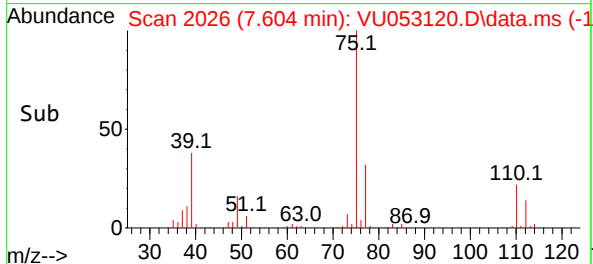
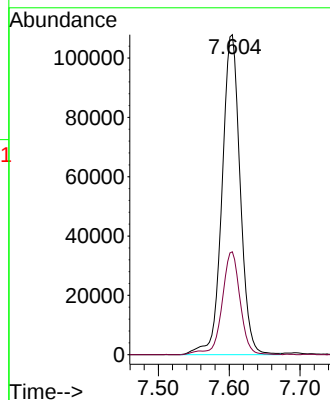
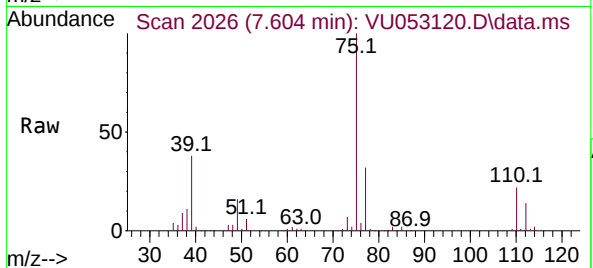
VSTD050156

Tgt Ion: 75 Resp: 192144

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 101.635 ug/L

RT: 7.784 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

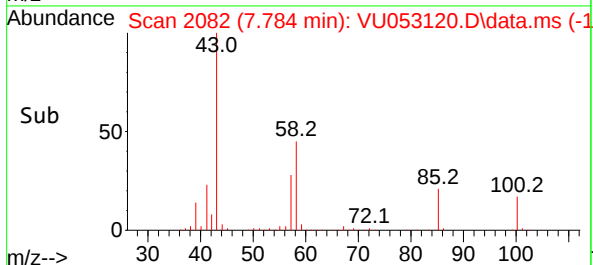
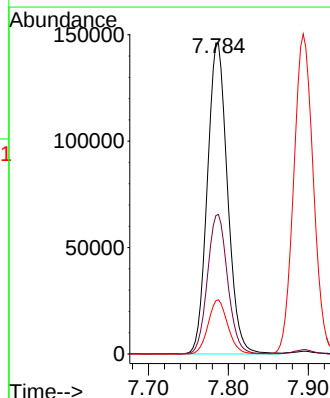
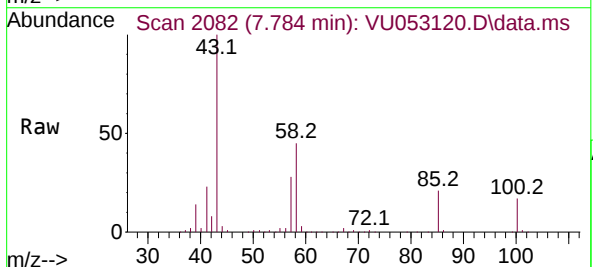
Tgt Ion: 43 Resp: 256568

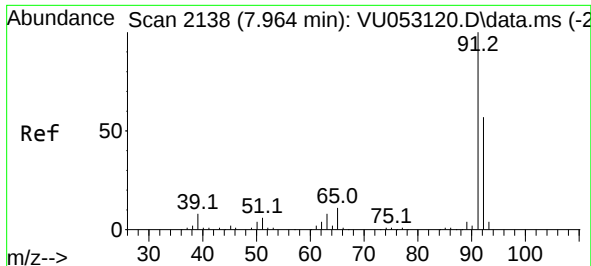
Ion Ratio Lower Upper

43 100

58 45.0 35.9 53.9

100 16.9 13.7 20.5





#42

Toluene

Concen: 50.607 ug/L

RT: 7.964 min Scan# 2138

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

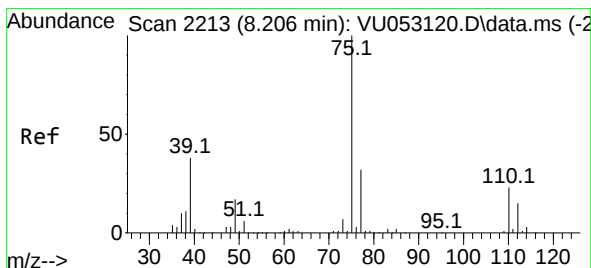
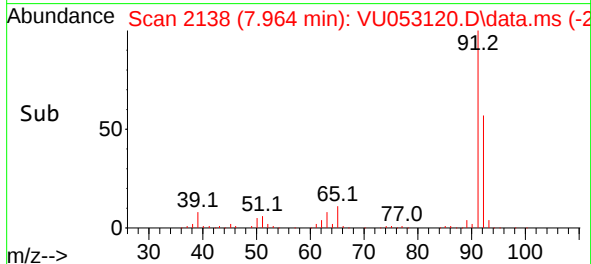
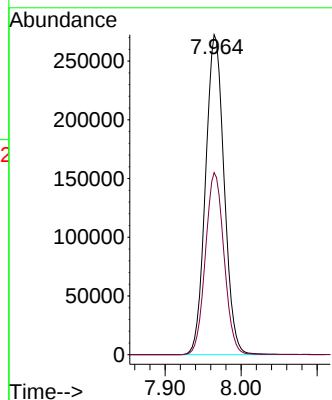
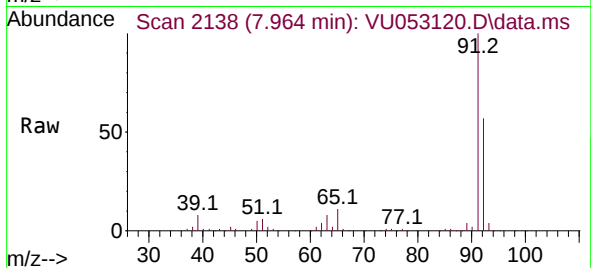
VSTD050156

Tgt Ion: 91 Resp: 462752

Ion Ratio Lower Upper

91 100

92 56.9 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 48.545 ug/L

RT: 8.206 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VU053120.D

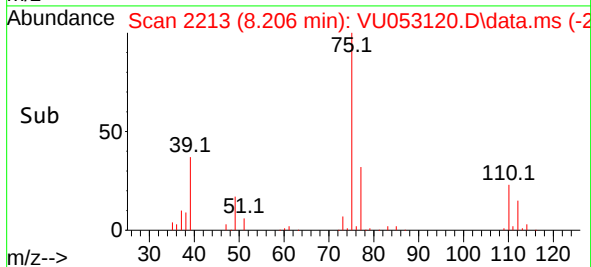
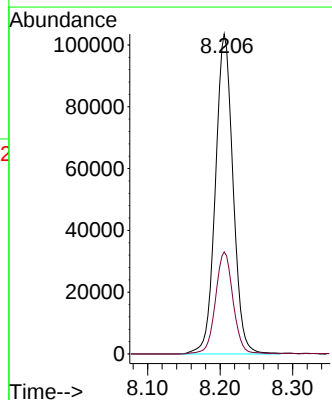
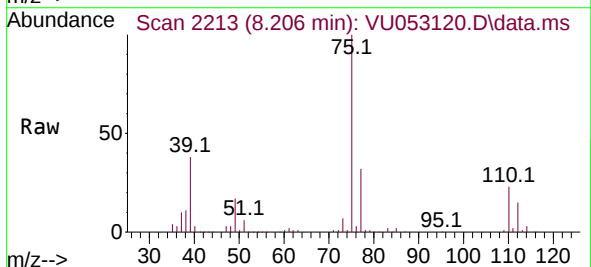
Acq: 17 Feb 2023 09:53

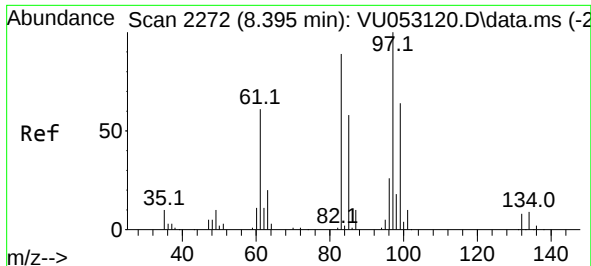
Tgt Ion: 75 Resp: 175036

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2



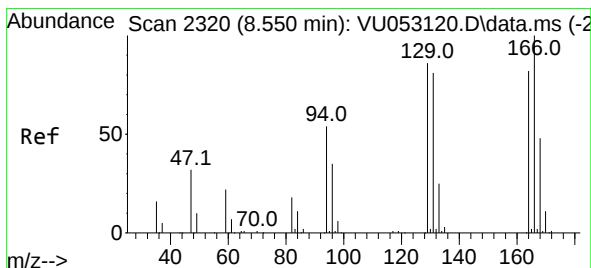
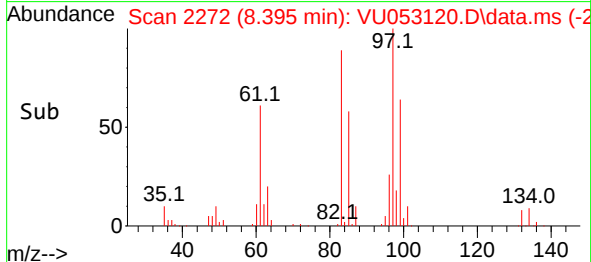
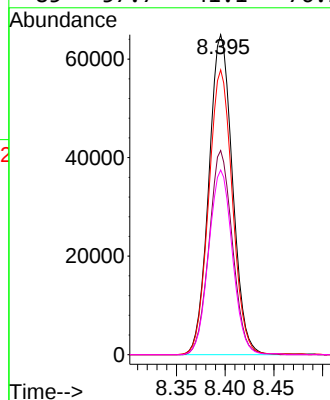
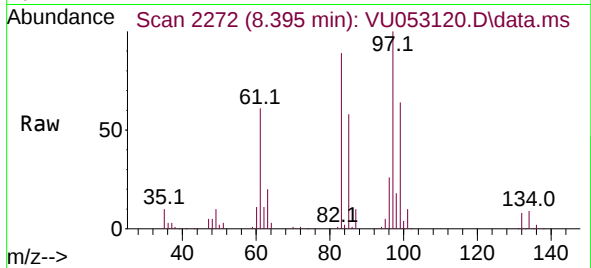


#45
1,1,2-Trichloroethane
Concen: 51.126 ug/L
RT: 8.395 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

Tgt Ion: 97 Resp: 109908

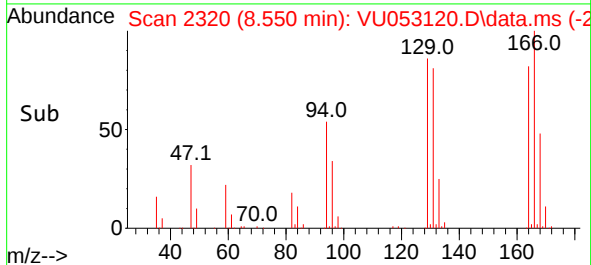
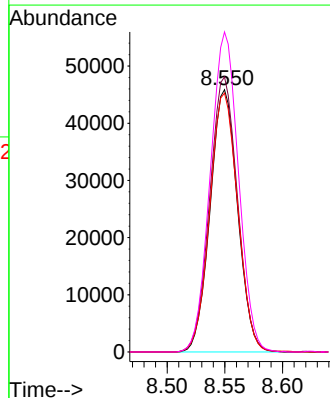
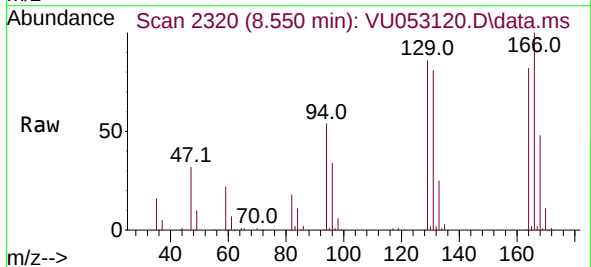
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.7	81.1
83	89.0	61.7	114.5
85	57.7	41.1	76.3

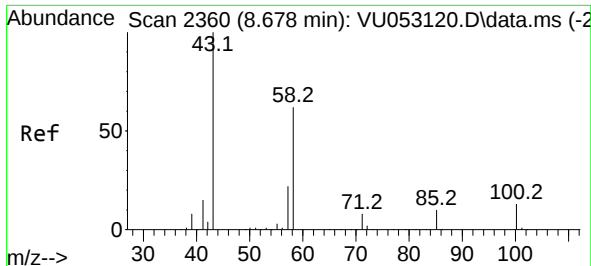


#46
Tetrachloroethene
Concen: 51.279 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 164 Resp: 75773

Ion	Ratio	Lower	Upper
164	100		
129	104.8	74.8	139.0
131	98.7	70.7	131.3
166	122.0	88.6	164.6



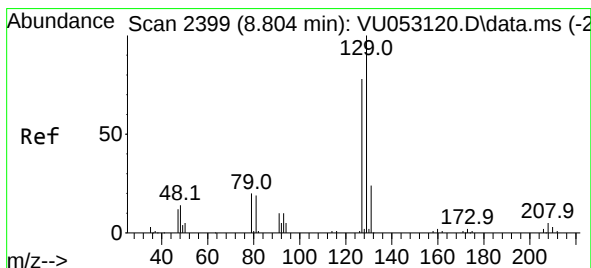
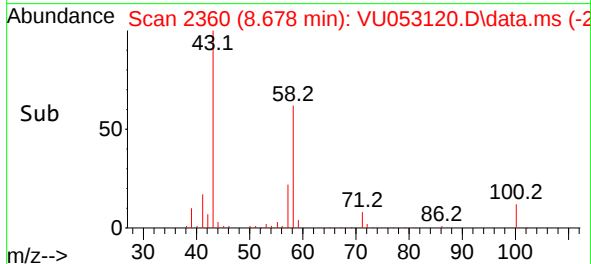
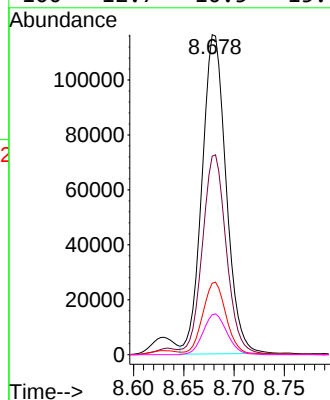
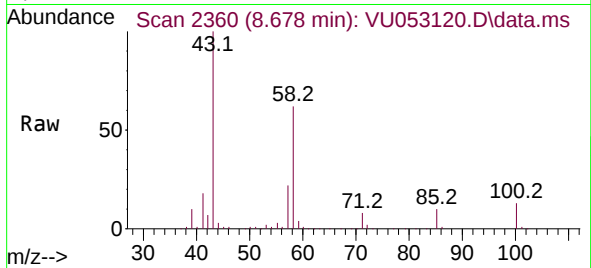


#48
2-Hexanone
Concen: 97.215 ug/L
RT: 8.678 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

Tgt Ion: 43 Resp: 193647

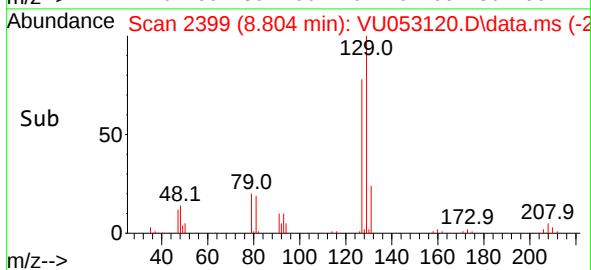
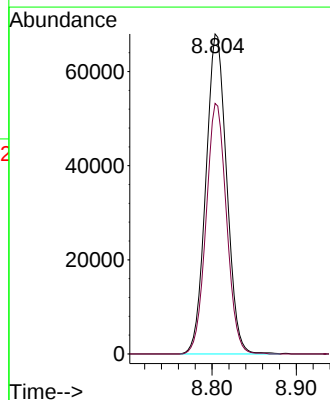
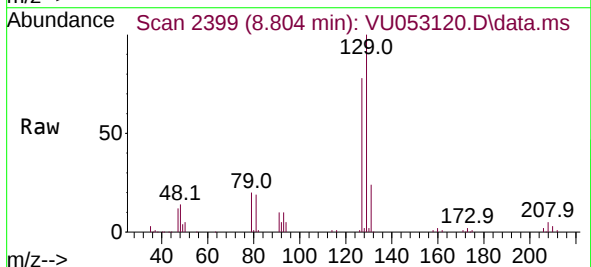
Ion	Ratio	Lower	Upper
43	100		
58	62.7	50.0	75.0
57	22.5	17.7	26.5
100	12.7	10.5	15.7

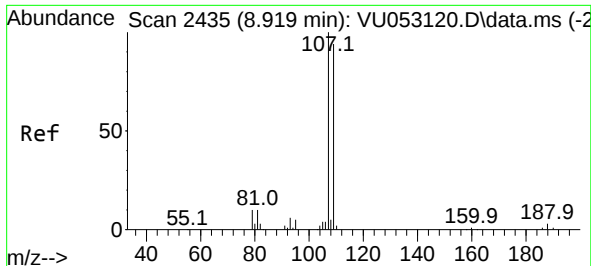


#49
Dibromochloromethane
Concen: 52.569 ug/L
RT: 8.804 min Scan# 2399
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 129 Resp: 116725

Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.9	101.9





#50

1,2-Dibromoethane

Concen: 51.565 ug/L

RT: 8.919 min Scan# 2435

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050156

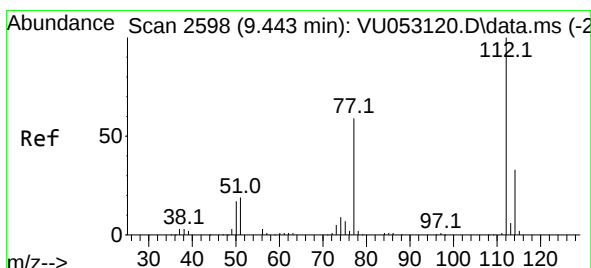
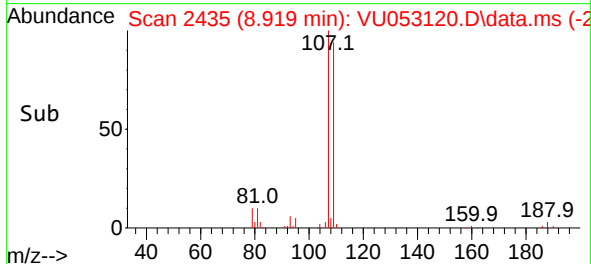
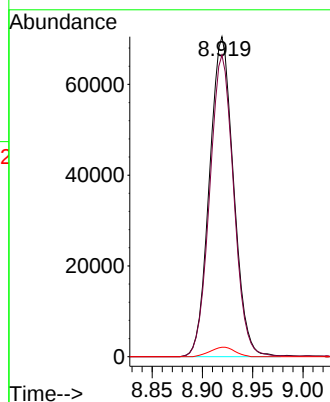
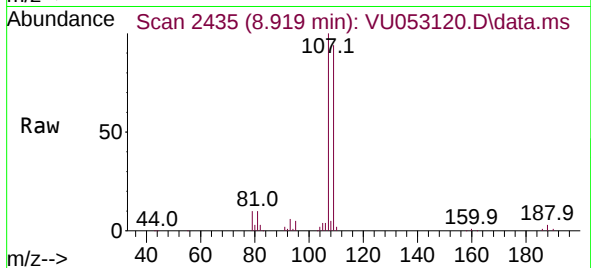
Tgt Ion:107 Resp: 117749

Ion Ratio Lower Upper

107 100

109 94.2 64.5 119.9

188 2.9 2.2 3.4



#51

Chlorobenzene

Concen: 50.934 ug/L

RT: 9.443 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

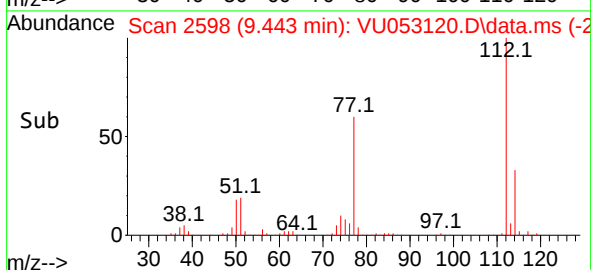
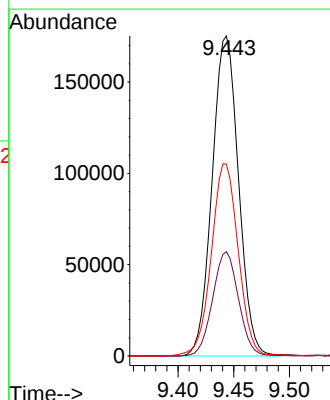
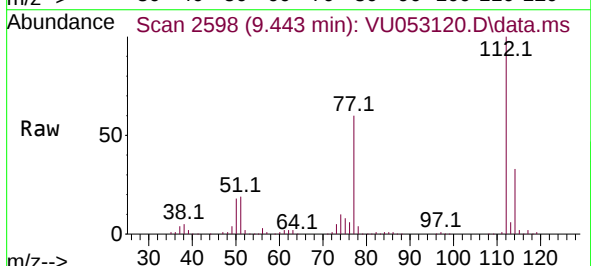
Tgt Ion:112 Resp: 288522

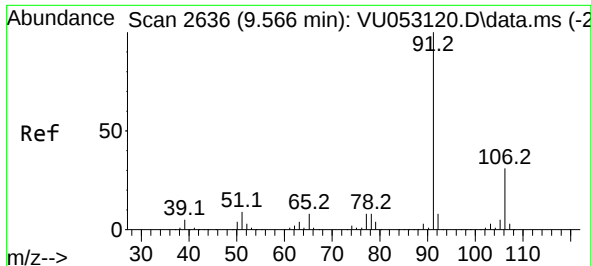
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.3

77 60.0 48.8 73.2

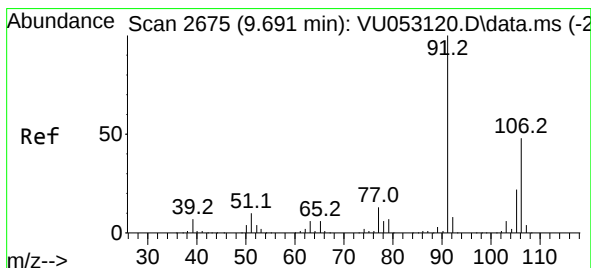
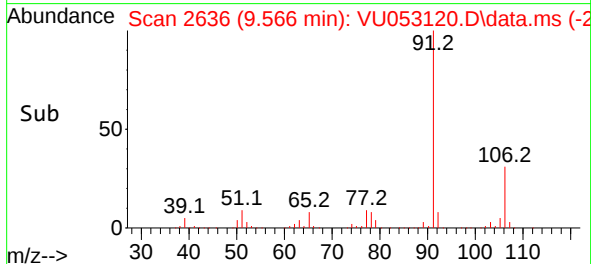
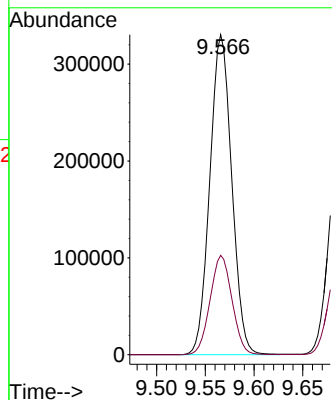
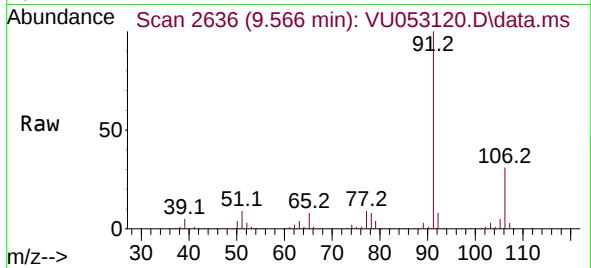




#52
Ethylbenzene
Concen: 50.650 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

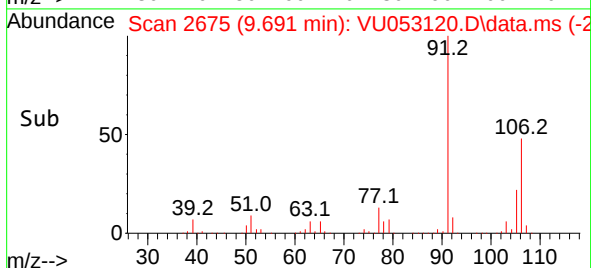
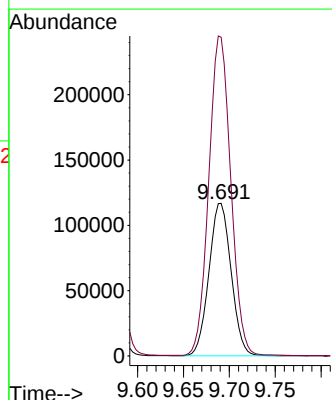
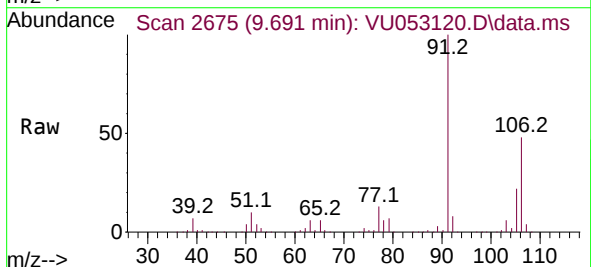
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

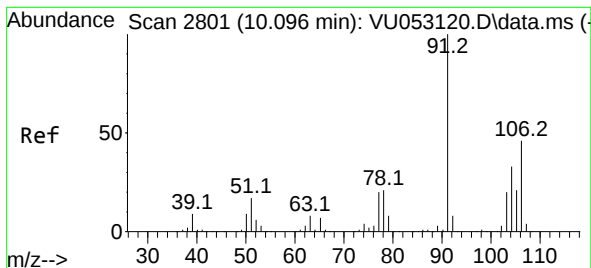
Tgt Ion: 91 Resp: 516524
Ion Ratio Lower Upper
91 100
106 31.0 21.5 39.9



#53
m,p-Xylene
Concen: 51.202 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion:106 Resp: 196344
Ion Ratio Lower Upper
106 100
91 208.8 145.6 270.4





#54

o-xylene

Concen: 51.367 ug/L

RT: 10.096 min Scan# 2801

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

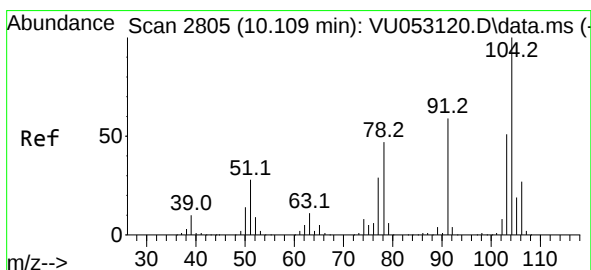
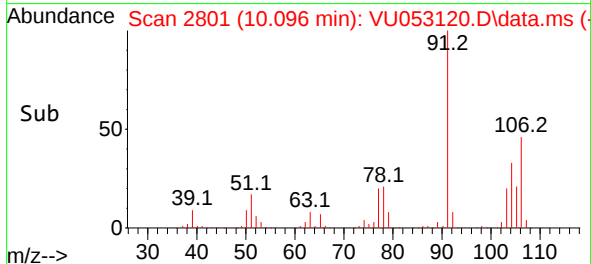
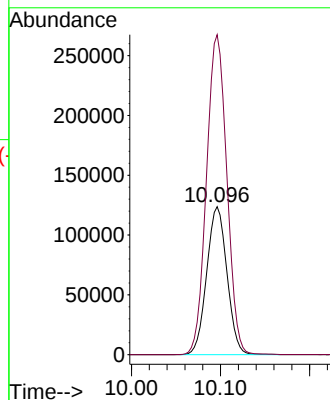
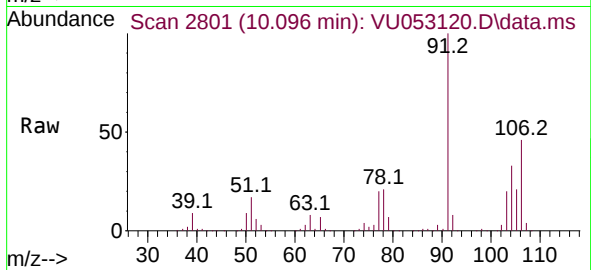
VSTD050156

Tgt Ion:106 Resp: 195289

Ion Ratio Lower Upper

106 100

91 216.3 152.8 283.8



#55

Styrene

Concen: 51.428 ug/L

RT: 10.109 min Scan# 2805

Delta R.T. 0.000 min

Lab File: VU053120.D

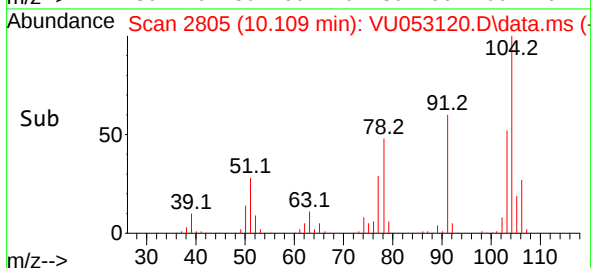
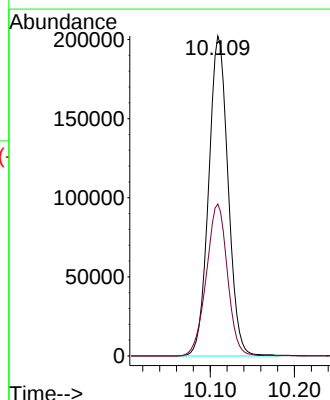
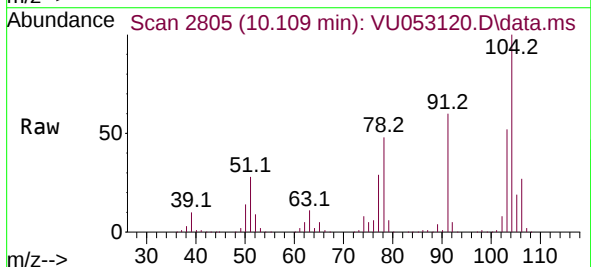
Acq: 17 Feb 2023 09:53

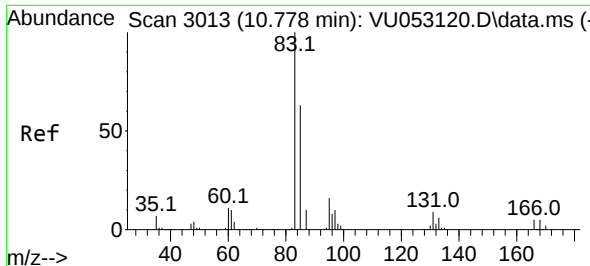
Tgt Ion:104 Resp: 324297

Ion Ratio Lower Upper

104 100

78 47.5 33.6 62.4

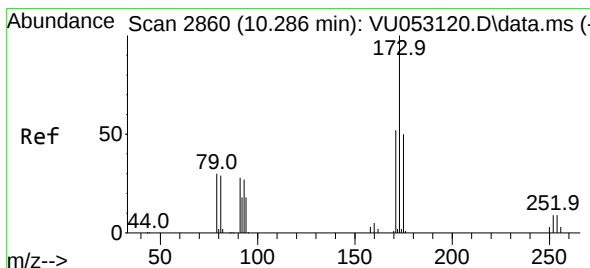
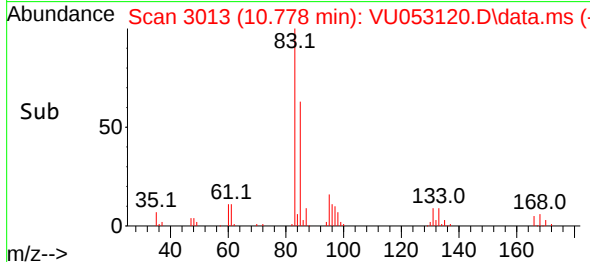
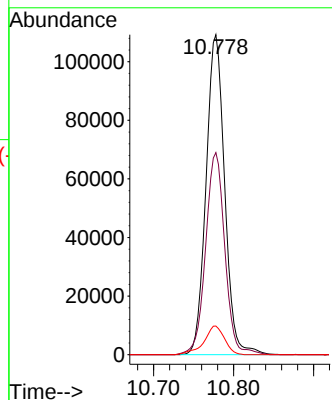
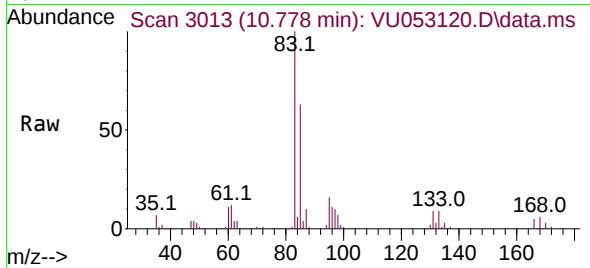




#57
1,1,2,2-Tetrachloroethane
Concen: 50.832 ug/L
RT: 10.778 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

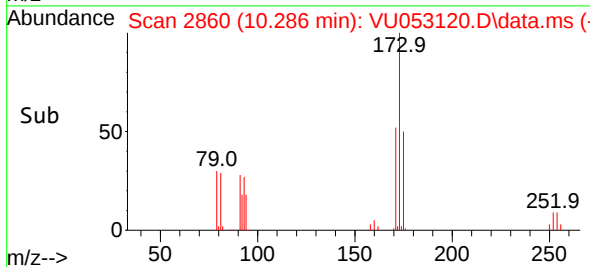
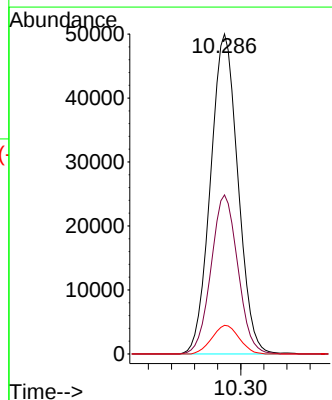
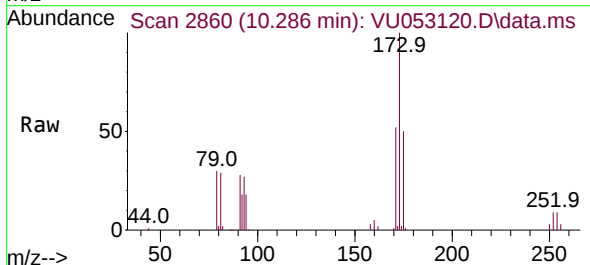
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

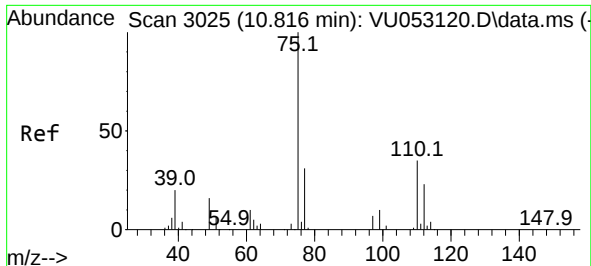
Tgt Ion: 83 Resp: 177255
Ion Ratio Lower Upper
83 100
85 63.2 44.7 82.9
131 9.0 7.2 10.8



#59
Bromoform
Concen: 52.847 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion:173 Resp: 82411
Ion Ratio Lower Upper
173 100
175 48.5 38.8 58.2
254 8.9 6.4 9.6

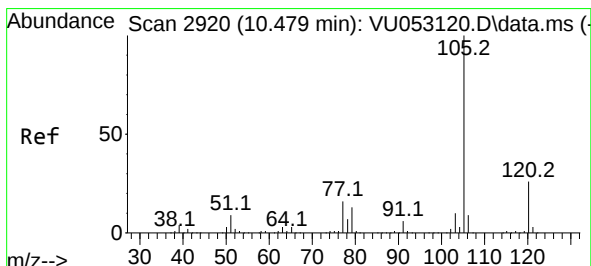
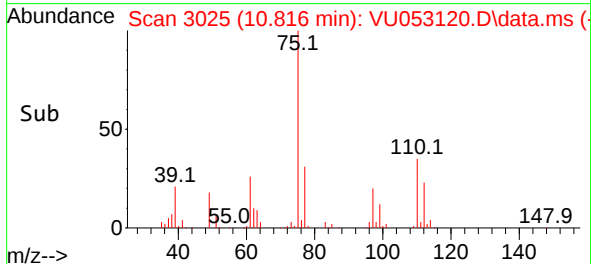
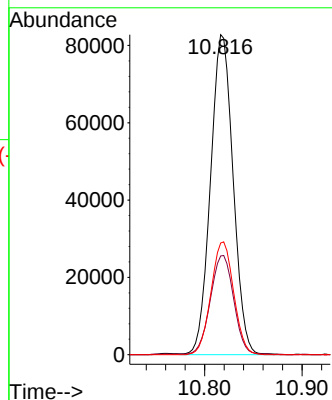
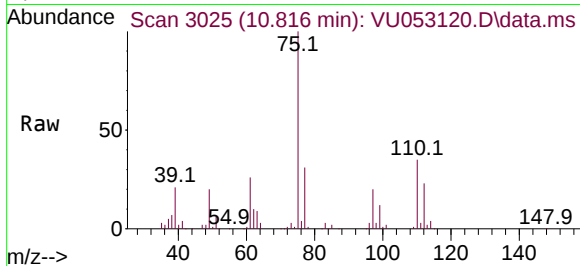




#60
1,2,3-Trichloropropane
Concen: 50.429 ug/L
RT: 10.816 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

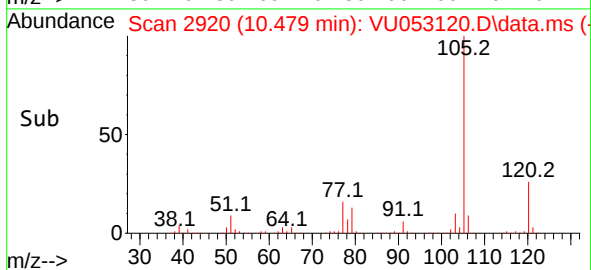
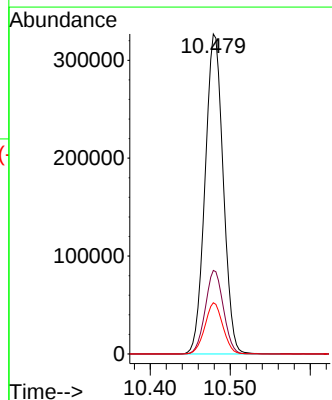
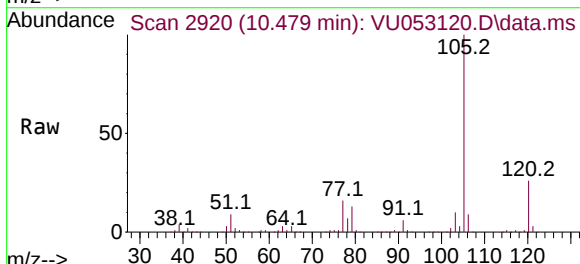
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

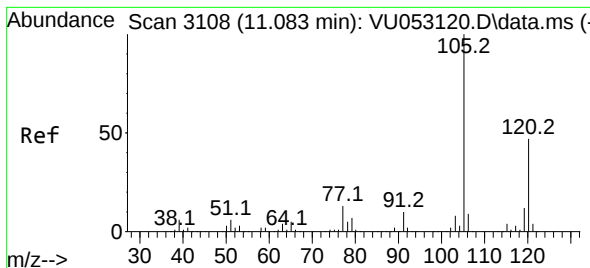
Tgt Ion: 75 Resp: 133346
Ion Ratio Lower Upper
75 100
77 32.0 26.6 39.8
110 35.3 28.6 42.8



#61
Isopropylbenzene
Concen: 50.925 ug/L
RT: 10.479 min Scan# 2920
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion: 105 Resp: 515068
Ion Ratio Lower Upper
105 100
120 26.1 20.8 31.2
77 15.9 12.8 19.2





#62

1,3,5-Trimethylbenzene

Concen: 50.260 ug/L

RT: 11.083 min Scan# 3108

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

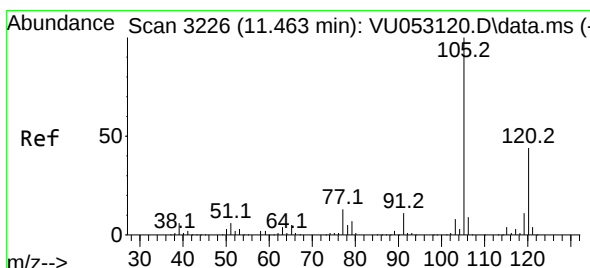
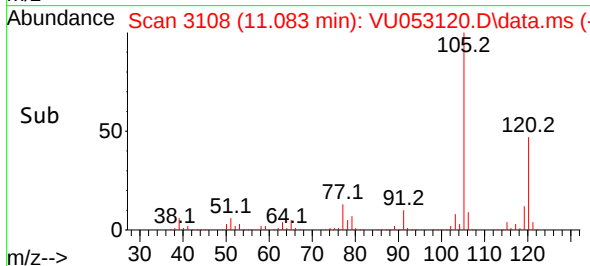
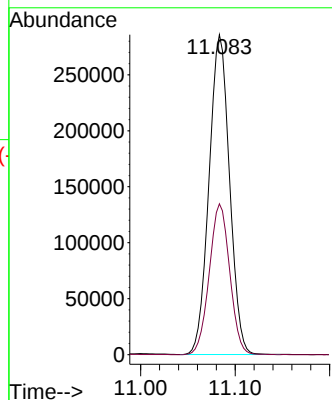
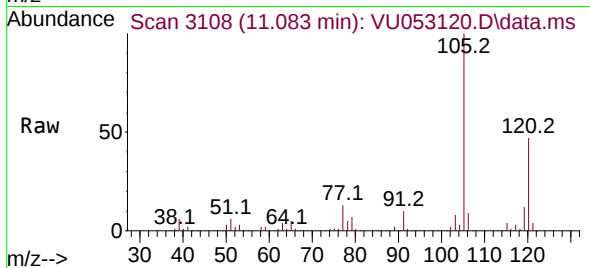
VSTD050156

Tgt Ion:105 Resp: 430412

Ion Ratio Lower Upper

105 100

120 47.0 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 50.436 ug/L

RT: 11.463 min Scan# 3226

Delta R.T. 0.000 min

Lab File: VU053120.D

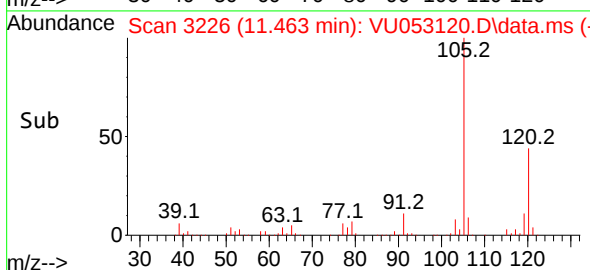
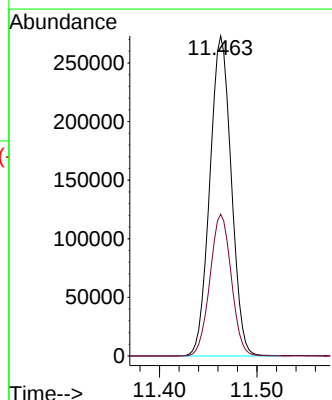
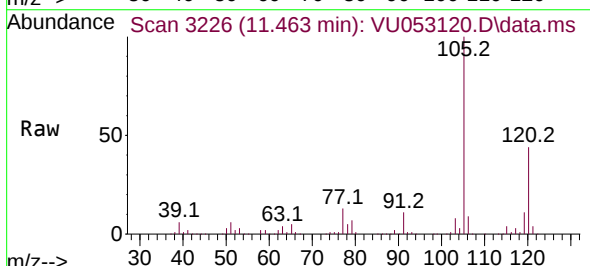
Acq: 17 Feb 2023 09:53

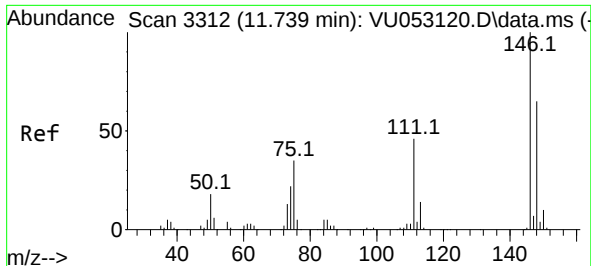
Tgt Ion:105 Resp: 418069

Ion Ratio Lower Upper

105 100

120 44.1 35.4 53.2

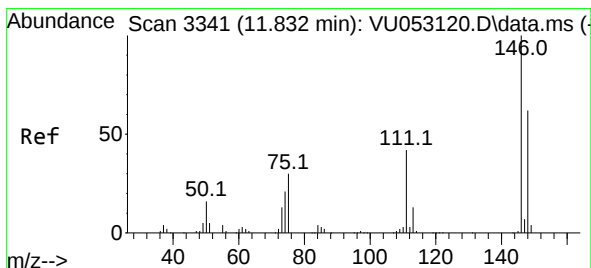
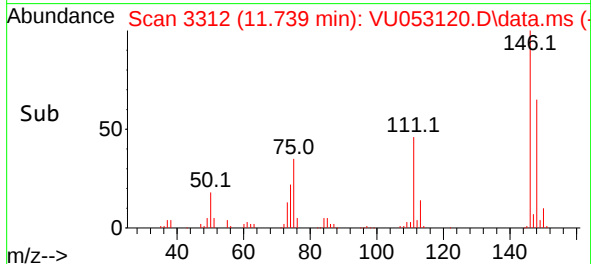
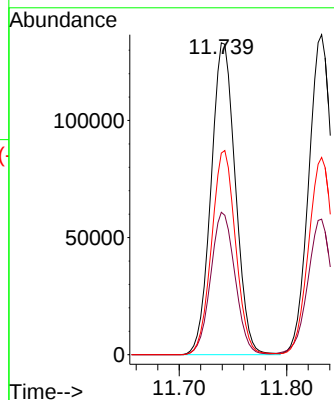
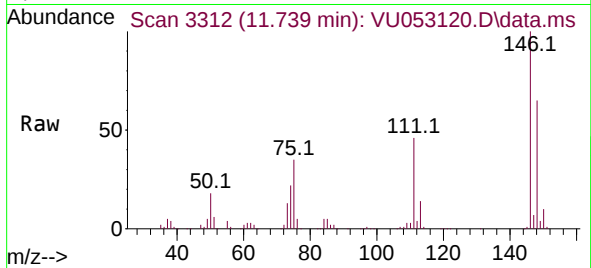




#64
1,3-Dichlorobenzene
Concen: 50.693 ug/L
RT: 11.739 min Scan# 3312
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

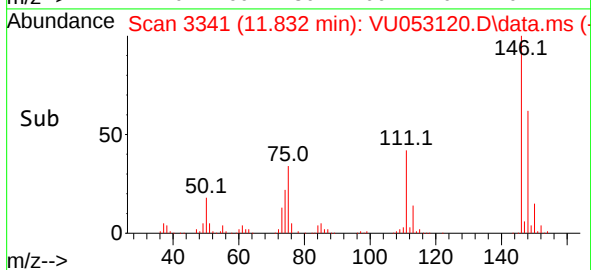
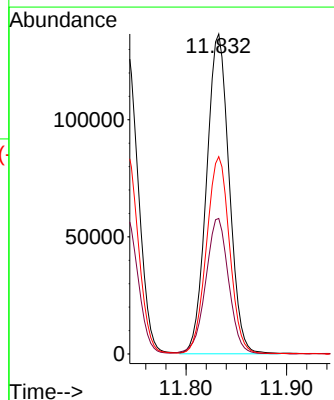
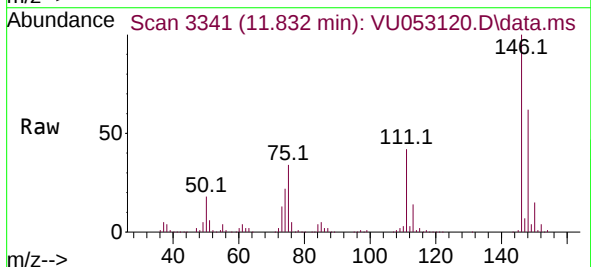
Instrument :
MSVOA_U
ClientSampleId :
VSTD050156

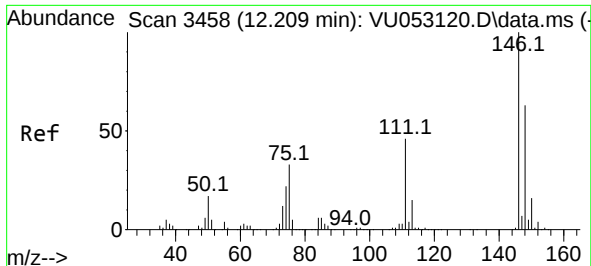
Tgt Ion:146 Resp: 209965
Ion Ratio Lower Upper
146 100
111 45.7 32.1 59.5
148 64.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 50.818 ug/L
RT: 11.832 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VU053120.D
Acq: 17 Feb 2023 09:53

Tgt Ion:146 Resp: 213539
Ion Ratio Lower Upper
146 100
111 42.3 29.9 55.5
148 61.7 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 50.815 ug/L

RT: 12.209 min Scan# 3458

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050156

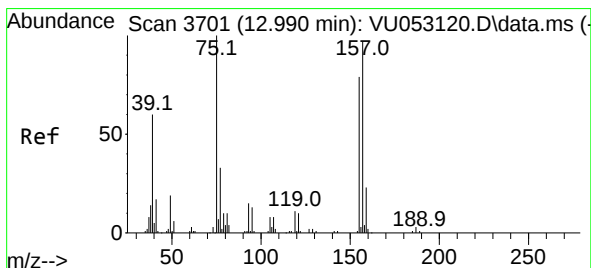
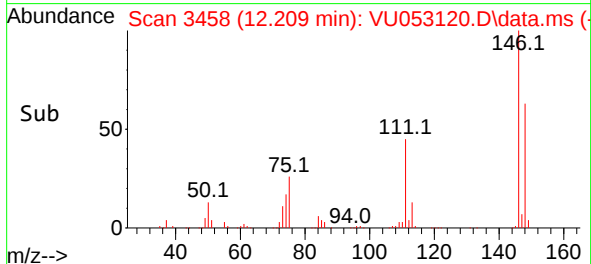
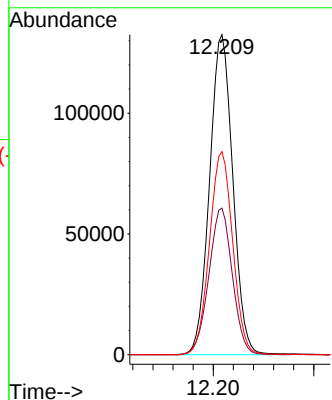
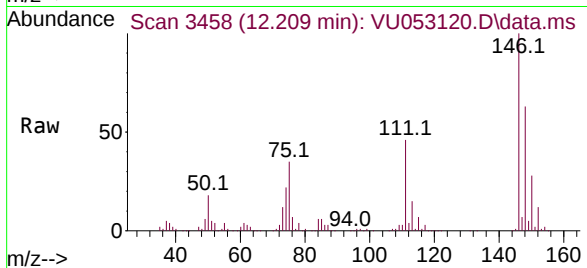
Tgt Ion:146 Resp: 212724

Ion Ratio Lower Upper

146 100

111 45.8 37.8 56.6

148 63.4 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 50.342 ug/L

RT: 12.990 min Scan# 3701

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

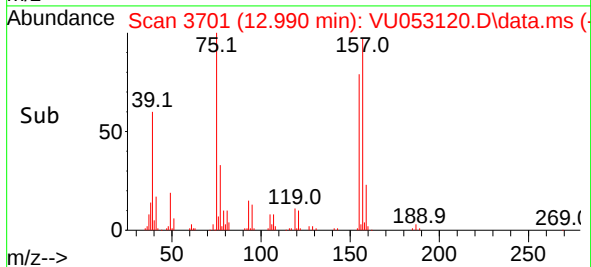
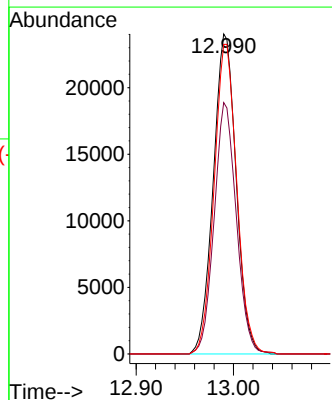
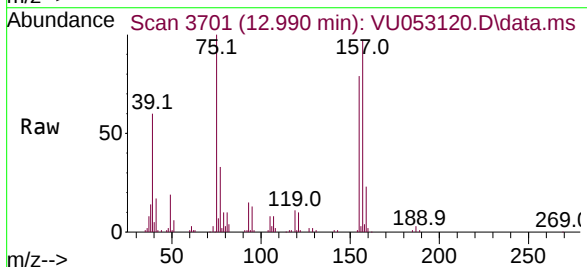
Tgt Ion: 75 Resp: 39240

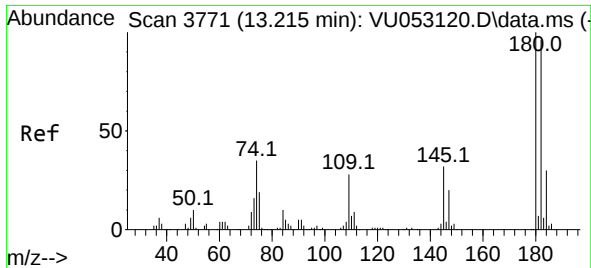
Ion Ratio Lower Upper

75 100

155 78.5 55.8 83.6

157 96.8 70.7 106.1



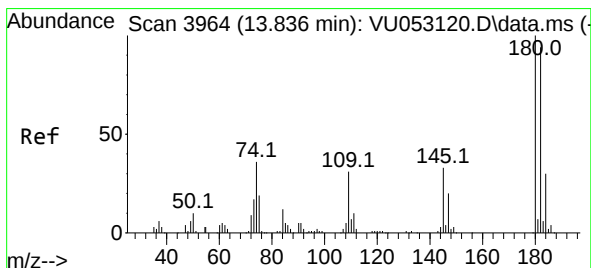
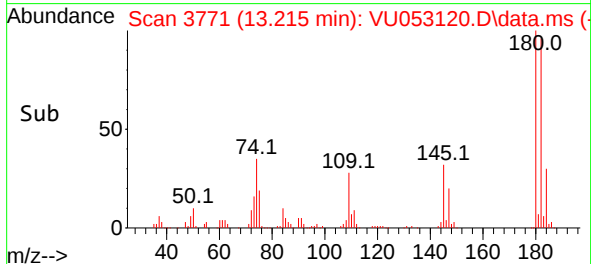
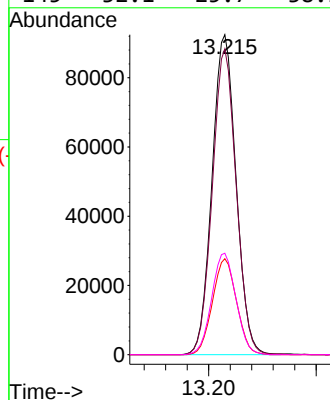
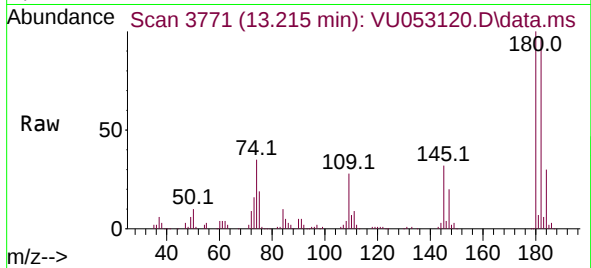


#69
 1,3,5-Trichlorobenzene
 Concen: 50.998 ug/L
 RT: 13.215 min Scan# 3771
 Delta R.T. 0.000 min
 Lab File: VU053120.D
 Acq: 17 Feb 2023 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050156

Tgt Ion:180 Resp: 143192

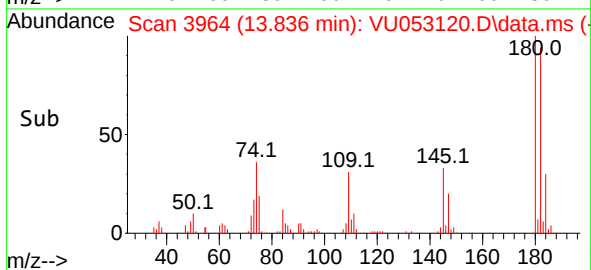
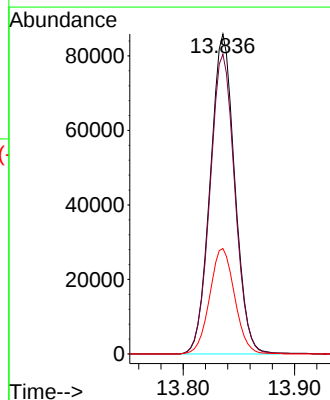
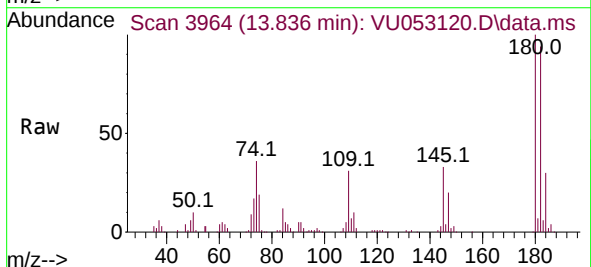
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
184	30.1	23.7	35.5
145	32.1	25.7	38.5

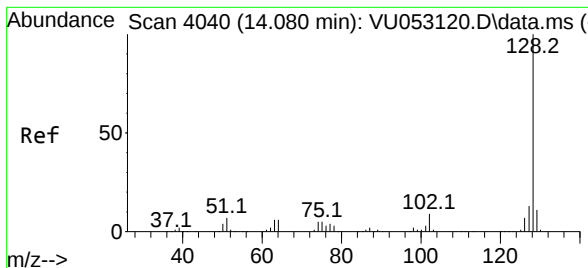


#70
 1,2,4-trichlorobenzene
 Concen: 49.438 ug/L
 RT: 13.836 min Scan# 3964
 Delta R.T. 0.000 min
 Lab File: VU053120.D
 Acq: 17 Feb 2023 09:53

Tgt Ion:180 Resp: 131373

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	33.6	26.8	40.2





#71

Naphthalene

Concen: 45.960 ug/L

RT: 14.080 min Scan# 4040

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD050156

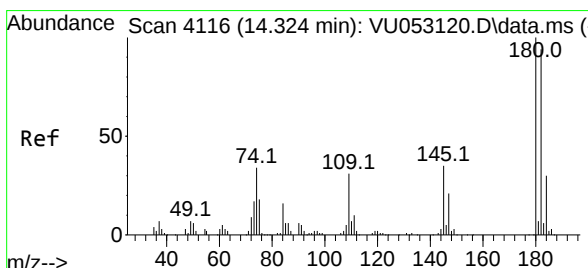
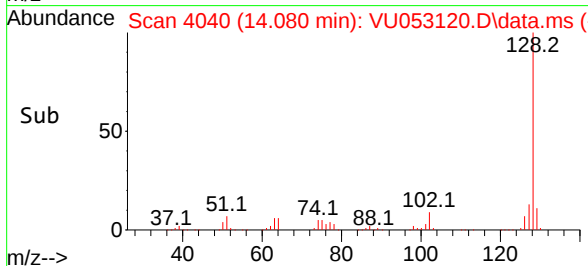
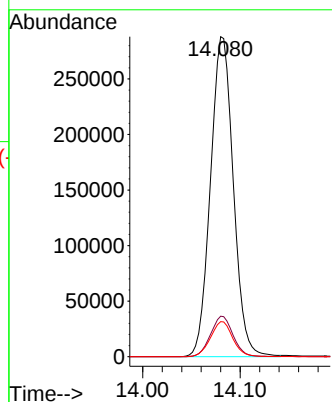
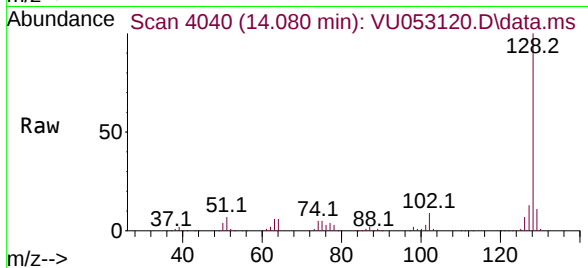
Tgt Ion:128 Resp: 468907

Ion Ratio Lower Upper

128 100

127 12.5 9.9 14.9

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.635 ug/L

RT: 14.324 min Scan# 4116

Delta R.T. 0.000 min

Lab File: VU053120.D

Acq: 17 Feb 2023 09:53

Tgt Ion:180 Resp: 135107

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 34.1 28.2 42.2

