

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
 Data File : VU053592.D
 Acq On : 07 Apr 2023 10:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050189

Quant Time: Apr 08 00:01:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	248815	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	231023	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	123288	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99895	51.561	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	103.120%	
7) Chloroethane-d5	1.909	69	79419	53.166	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	106.340%	
11) 1,1-Dichloroethene-d2	2.565	63	151204	50.417	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	100.840%	
21) 2-Butanone-d5	4.613	46	100814	114.929	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	114.930%	
24) Chloroform-d	5.057	84	164402	51.309	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	102.620%	
26) 1,2-Dichloroethane-d4	5.697	65	99657	52.635	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	105.280%	
32) Benzene-d6	5.723	84	325071	52.129	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	104.260%	
36) 1,2-Dichloropropane-d6	6.684	67	101504	53.254	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	106.500%	
41) Toluene-d8	7.893	98	313115	50.519	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	101.040%	
43) trans-1,3-Dichloroprop...	8.176	79	47085	47.856	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	95.720%	
47) 2-Hexanone-d5	8.626	63	72832	111.962	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	111.960%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141689	52.742	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	105.480%	
66) 1,2-Dichlorobenzene-d4	12.189	152	123703	48.069	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	96.140%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	98789	48.918	ug/L	99
3) Chloromethane	1.520	50	96601	58.213	ug/L	99
5) Vinyl chloride	1.601	62	109527	56.951	ug/L	98
6) Bromomethane	1.851	94	68787	49.157	ug/L	100
8) Chloroethane	1.929	64	65323	56.475	ug/L	99
9) Trichlorofluoromethane	2.134	101	155775	52.662	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83201	48.567	ug/L	94
12) 1,1-Dichloroethene	2.578	96	76030	49.799	ug/L	99
13) Acetone	2.617	43	68219	86.537	ug/L	99
14) Carbon disulfide	2.790	76	202463	50.131	ug/L	97
15) Methyl Acetate	2.941	43	70852	58.678	ug/L	95
16) Methylene chloride	3.041	84	90112	52.511	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	76548	49.889	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	243965	54.549	ug/L	99
19) 1,1-Dichloroethane	3.864	63	141772	55.778	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	90359	50.984	ug/L	89
22) 2-Butanone	4.694	43	99232	103.903	ug/L	98
23) Bromochloromethane	4.967	128	47524	48.140	ug/L	94
25) Chloroform	5.083	83	153988	52.822	ug/L	98

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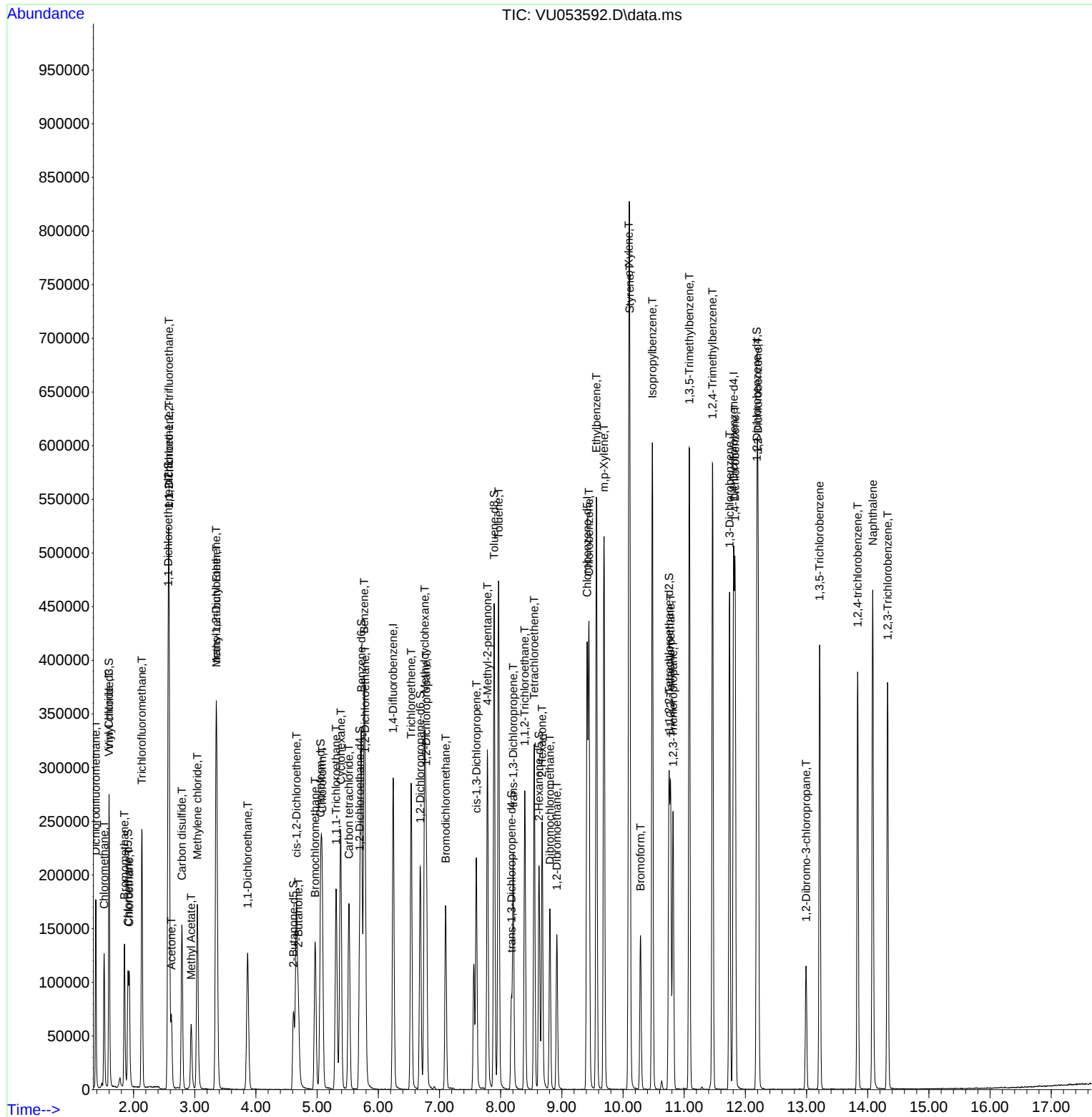
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	116091	54.376	ug/L	96
29) Cyclohexane	5.385	56	121744	54.740	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	135162	53.097	ug/L	98
31) Carbon tetrachloride	5.520	117	117528	51.531	ug/L	98
33) Benzene	5.771	78	327013	54.329	ug/L	100
34) Trichloroethene	6.536	95	94508	51.913	ug/L	97
35) Methylcyclohexane	6.758	83	135023	50.457	ug/L	98
37) 1,2-Dichloropropane	6.784	63	85959	56.243	ug/L	98
38) Bromodichloromethane	7.102	83	111403	54.639	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	131017	52.458	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	188143	113.280	ug/L	97
42) Toluene	7.967	91	357751	52.447	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	122958	52.077	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	87851	52.354	ug/L	96
46) Tetrachloroethene	8.549	164	67858	44.918	ug/L	93
48) 2-Hexanone	8.678	43	143166	106.562	ug/L	99
49) Dibromochloromethane	8.806	129	87910	50.384	ug/L	99
50) 1,2-Dibromoethane	8.919	107	94547	50.361	ug/L	98
51) Chlorobenzene	9.443	112	237217	50.474	ug/L	96
52) Ethylbenzene	9.565	91	396870	52.266	ug/L	100
53) m,p-Xylene	9.690	106	154190	51.920	ug/L	100
54) o-Xylene	10.096	106	150768	51.348	ug/L	96
55) Styrene	10.112	104	252859	52.872	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	132386	53.734	ug/L	95
59) Bromoform	10.285	173	63102	50.004	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	108245	60.552	ug/L	98
61) Isopropylbenzene	10.481	105	399267	54.775	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	328480	54.210	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	328927	54.808	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	188099	49.386	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	191204	49.256	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	189254	49.856	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.993	75	29059	60.977	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	126042	44.688	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	117269	44.845	ug/L	98
71) Naphthalene	14.083	128	386416	49.369	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	116097	44.450	ug/L	98

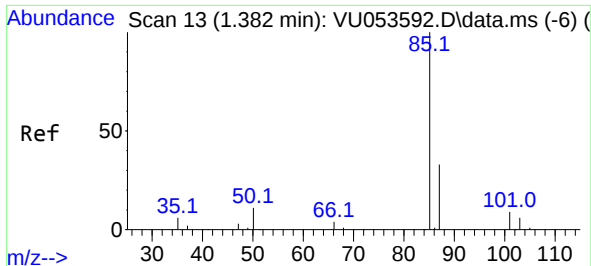
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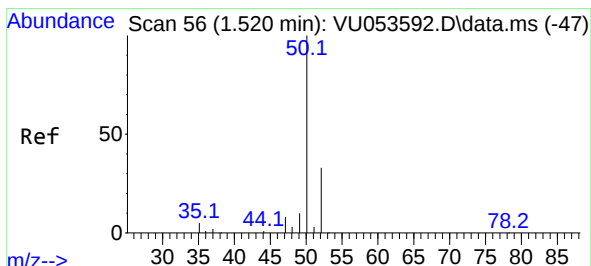
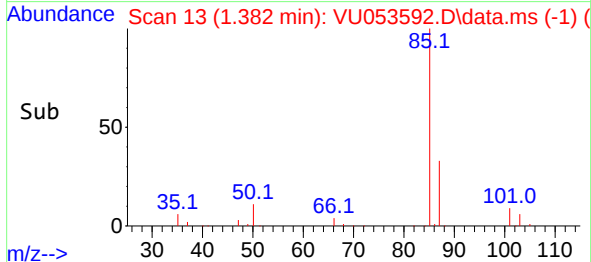
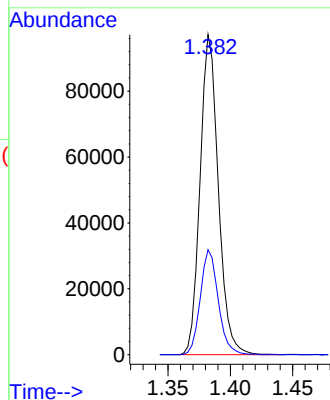
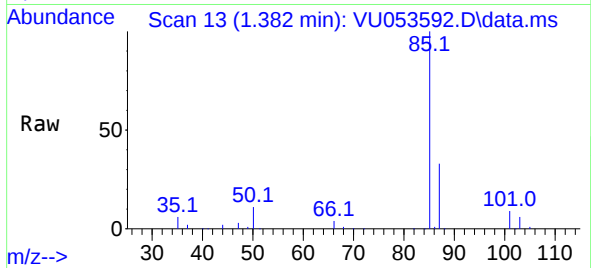




#2
Dichlorodifluoromethane
Concen: 48.918 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

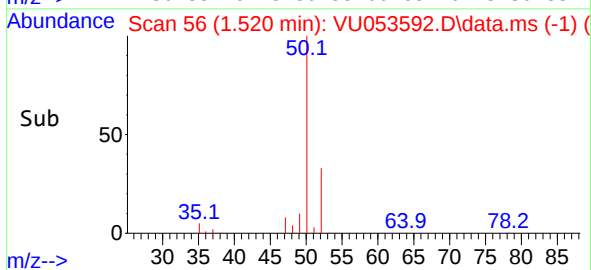
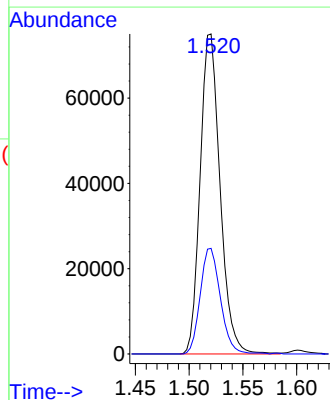
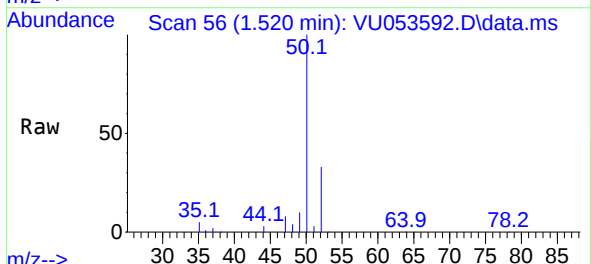
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

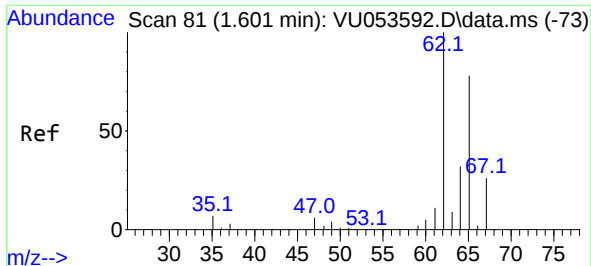
Tgt Ion: 85 Resp: 98789
Ion Ratio Lower Upper
85 100
87 32.2 26.4 39.6



#3
Chloromethane
Concen: 58.213 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 50 Resp: 96601
Ion Ratio Lower Upper
50 100
52 33.0 22.7 42.1

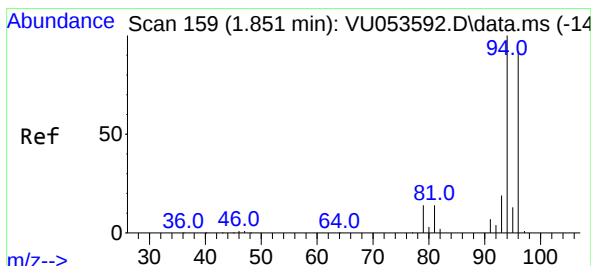
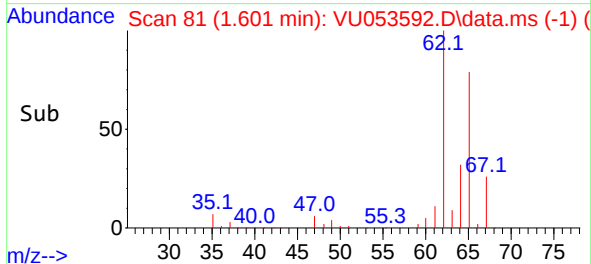
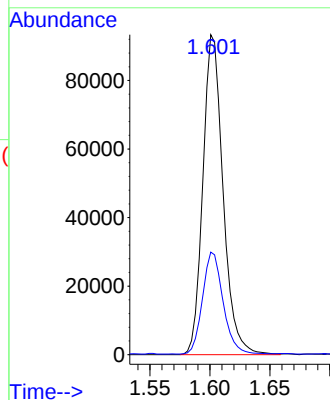
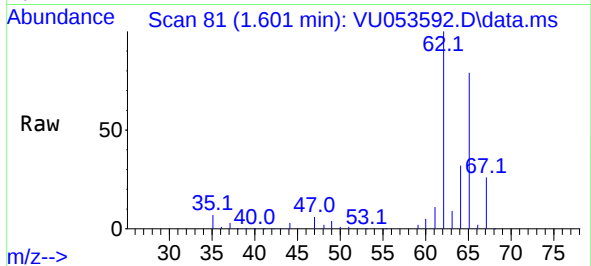




#5
 Vinyl chloride
 Concen: 56.951 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053592.D
 Acq: 07 Apr 2023 10:06

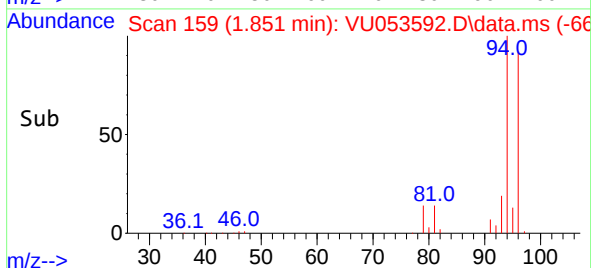
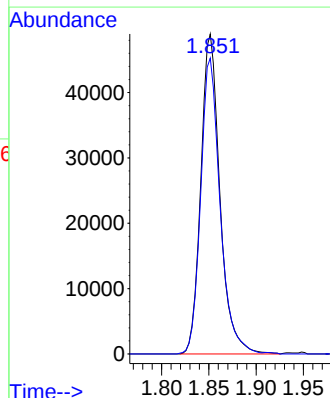
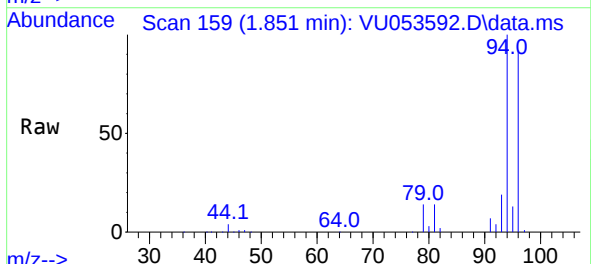
Instrument :
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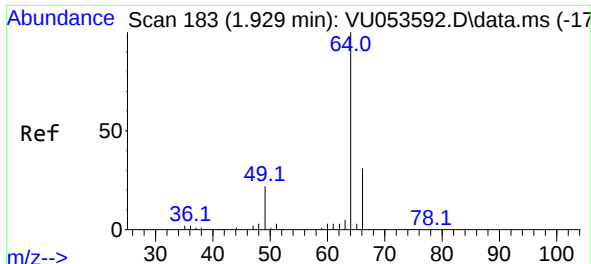
Tgt Ion: 62 Resp: 109527
 Ion Ratio Lower Upper
 62 100
 64 32.1 23.2 43.0



#6
 Bromomethane
 Concen: 49.157 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053592.D
 Acq: 07 Apr 2023 10:06

Tgt Ion: 94 Resp: 68787
 Ion Ratio Lower Upper
 94 100
 96 92.5 64.4 119.6

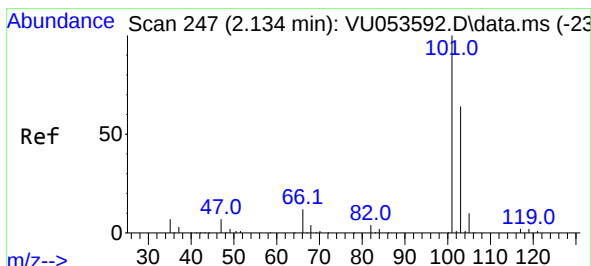
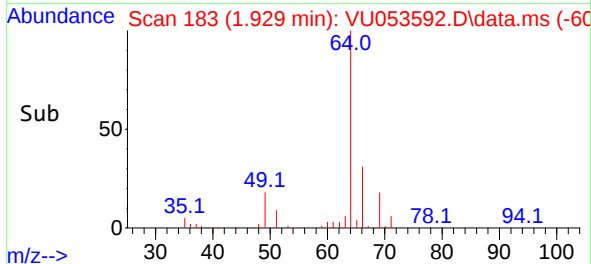
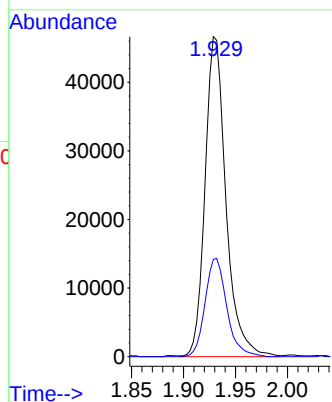
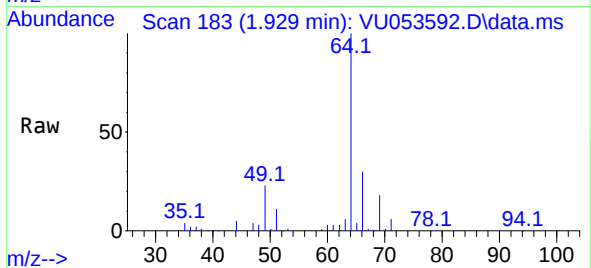




#8
Chloroethane
Concen: 56.475 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

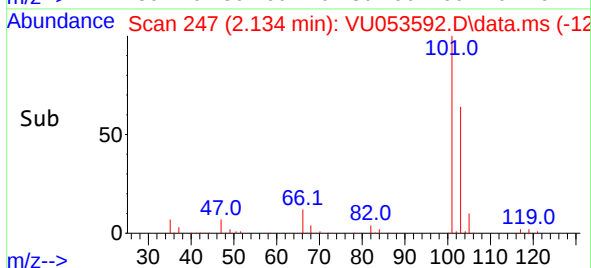
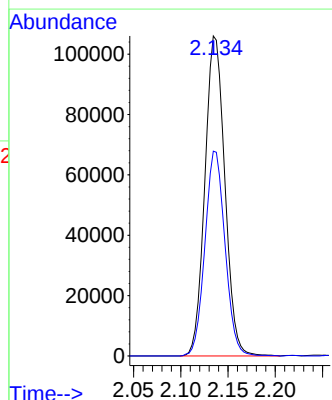
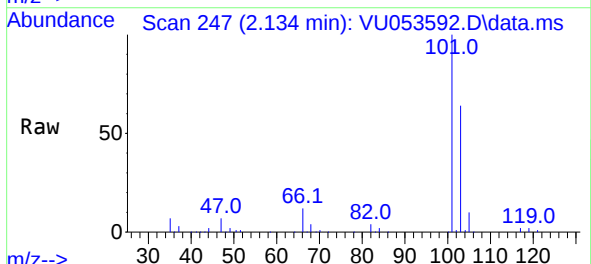
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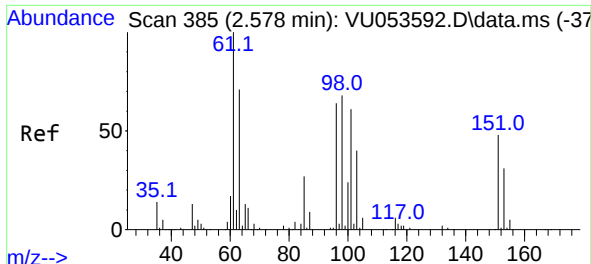
Tgt Ion: 64 Resp: 65323
Ion Ratio Lower Upper
64 100
66 30.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 52.662 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:101 Resp: 155775
Ion Ratio Lower Upper
101 100
103 64.3 52.5 78.7

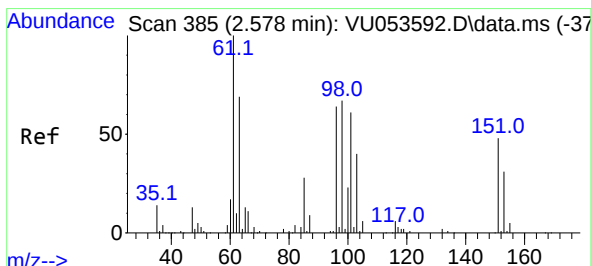
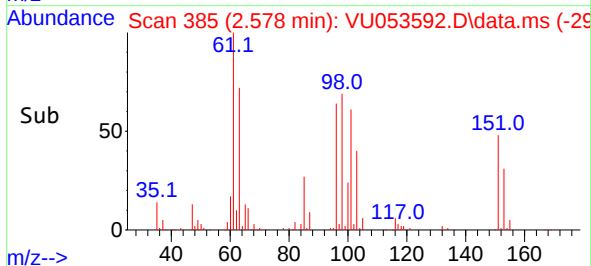
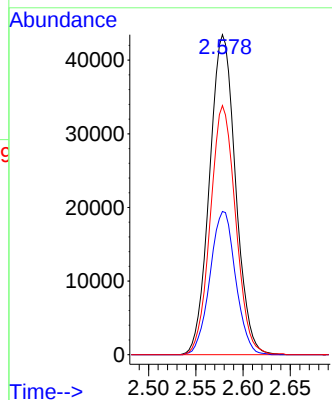
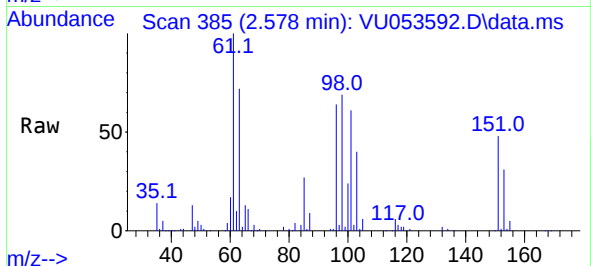




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.567 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

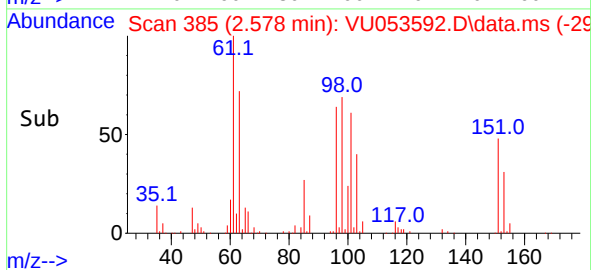
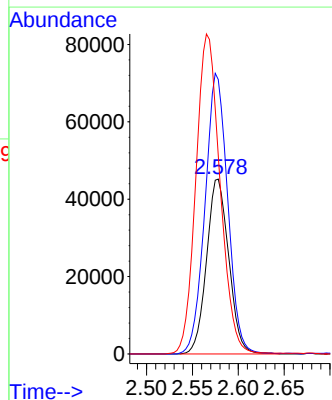
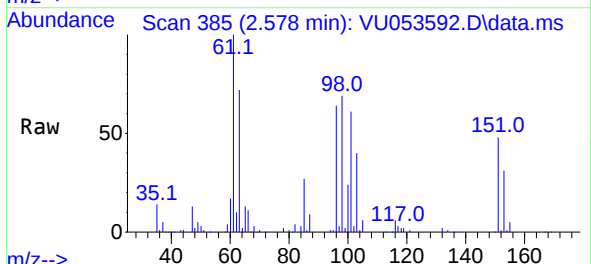
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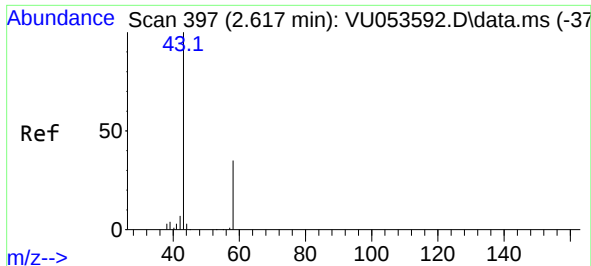
Tgt Ion:101 Resp: 83201
Ion Ratio Lower Upper
101 100
85 44.0 32.6 48.8
151 75.9 65.8 98.6



#12
1,1-Dichloroethene
Concen: 49.799 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 96 Resp: 76030
Ion Ratio Lower Upper
96 100
61 157.0 107.9 200.5
63 113.4 79.1 146.9





#13

Acetone

Concen: 86.537 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

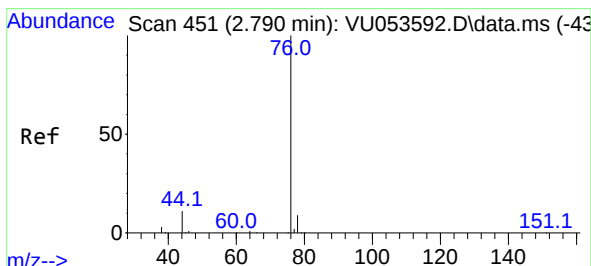
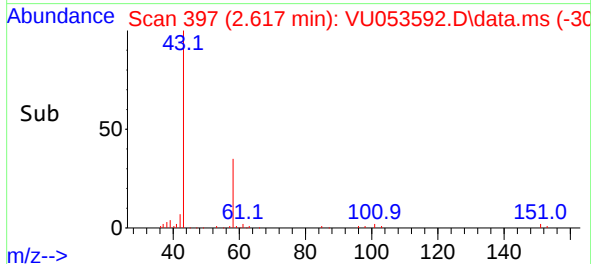
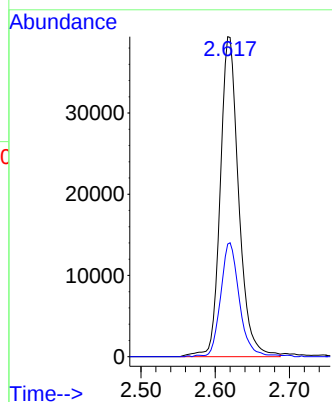
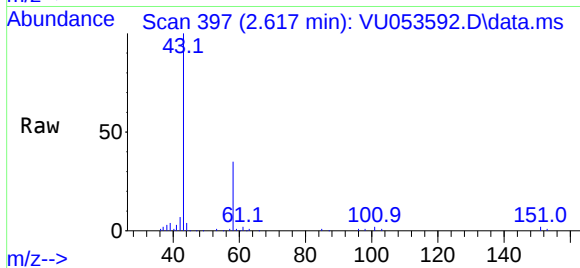
VSTD050189

Tgt Ion: 43 Resp: 68219

Ion Ratio Lower Upper

43 100

58 35.8 0.0 70.2



#14

Carbon disulfide

Concen: 50.131 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053592.D

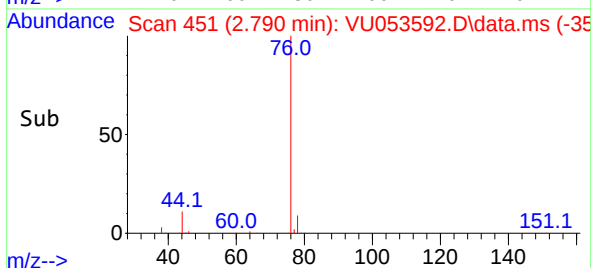
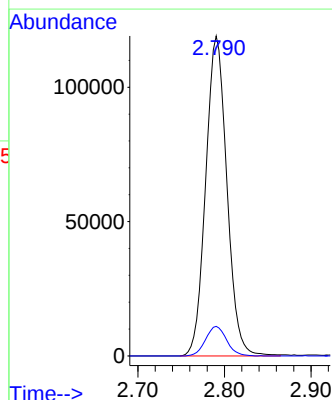
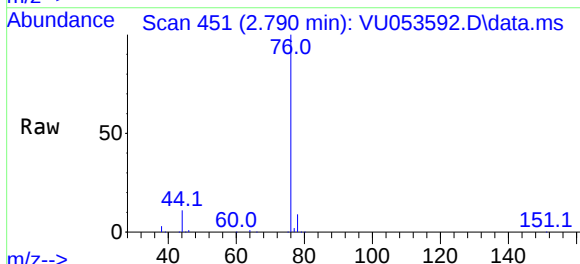
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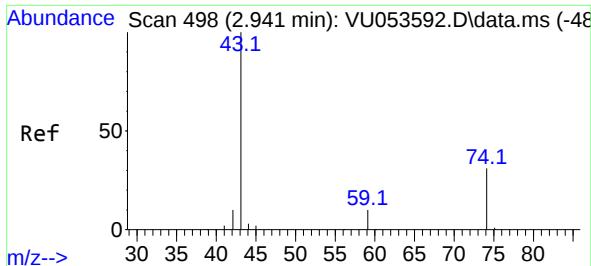
Tgt Ion: 76 Resp: 202463

Ion Ratio Lower Upper

76 100

78 9.3 8.2 12.2

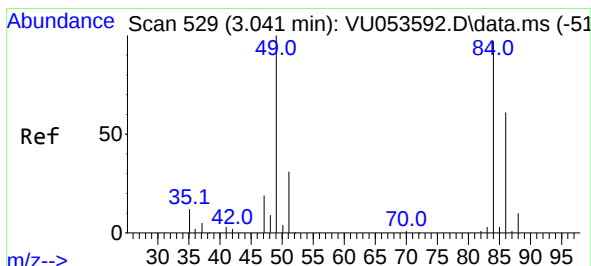
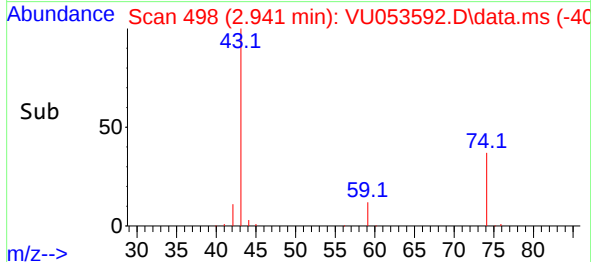
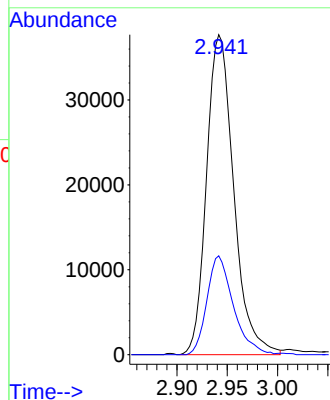
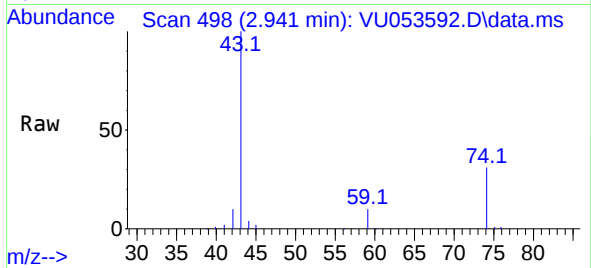




#15
Methyl Acetate
Concen: 58.678 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

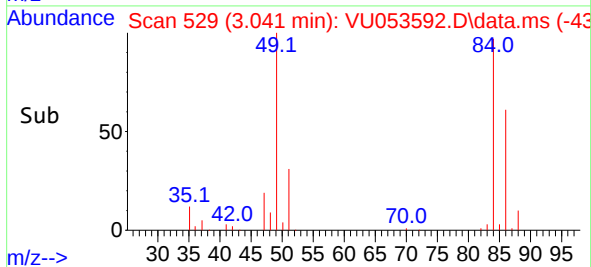
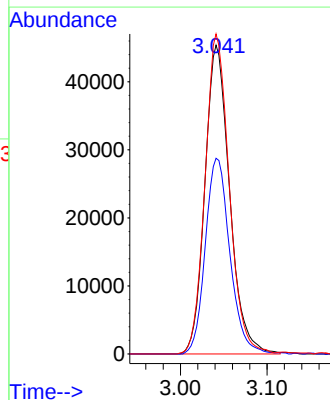
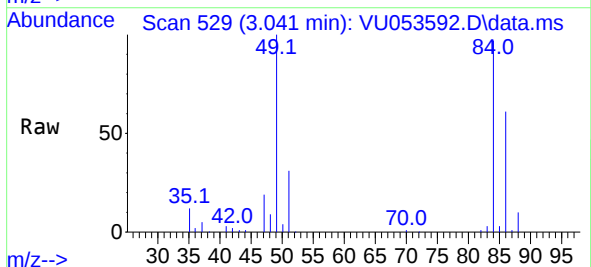
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

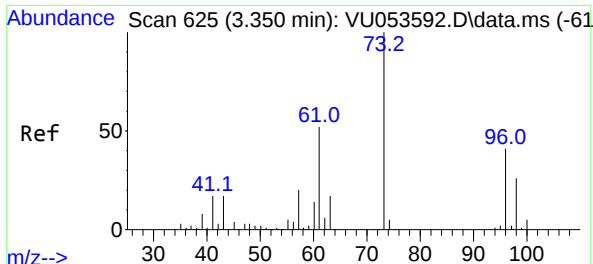
Tgt Ion: 43 Resp: 70852
Ion Ratio Lower Upper
43 100
74 30.0 22.0 33.0



#16
Methylene chloride
Concen: 52.511 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 84 Resp: 90112
Ion Ratio Lower Upper
84 100
86 63.4 43.5 80.9
49 103.6 69.7 129.5

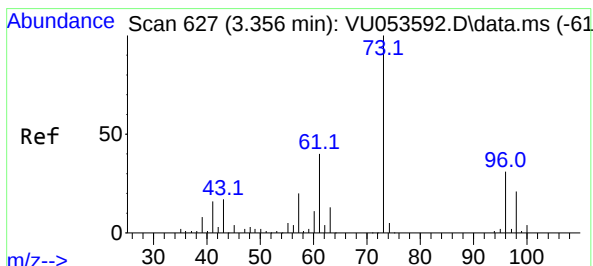
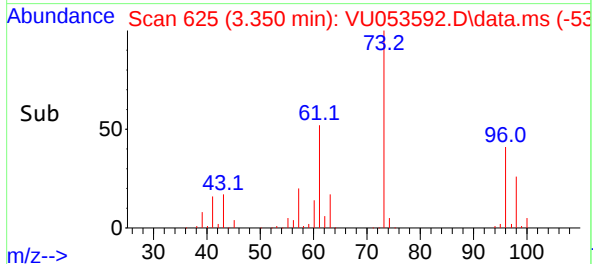
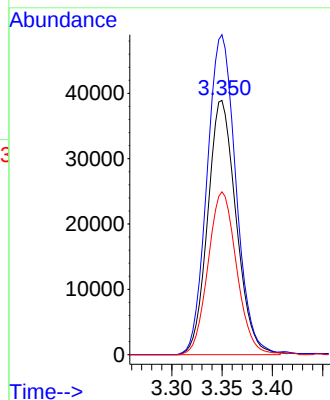
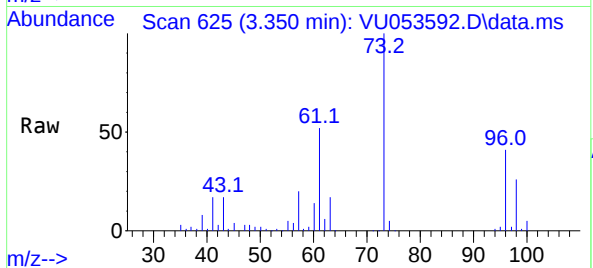




#17
trans-1,2-Dichloroethene
Concen: 49.889 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

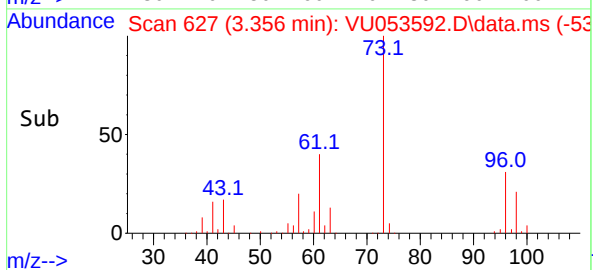
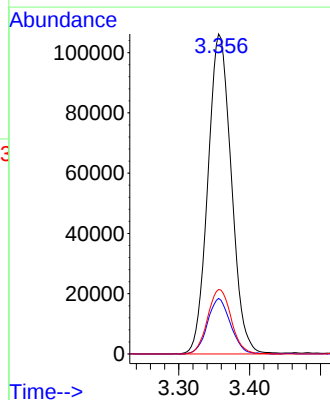
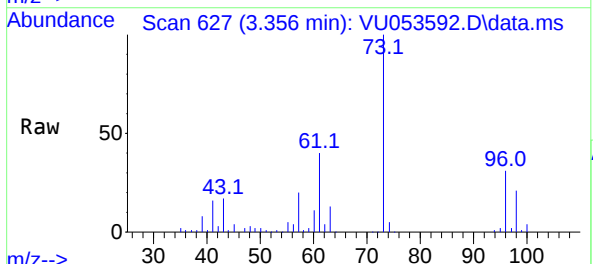
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

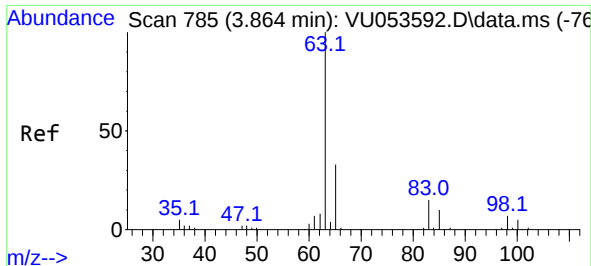
Tgt Ion: 96 Resp: 76548
Ion Ratio Lower Upper
96 100
61 125.8 84.4 156.8
98 64.1 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 54.549 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 73 Resp: 243965
Ion Ratio Lower Upper
73 100
43 17.0 13.8 20.8
57 20.2 15.9 23.9

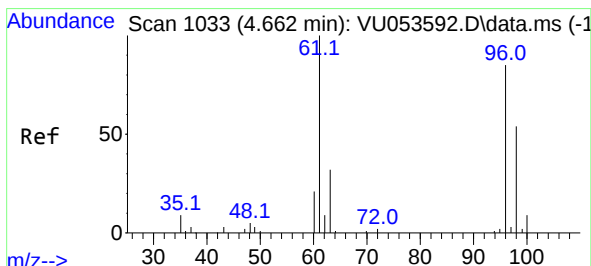
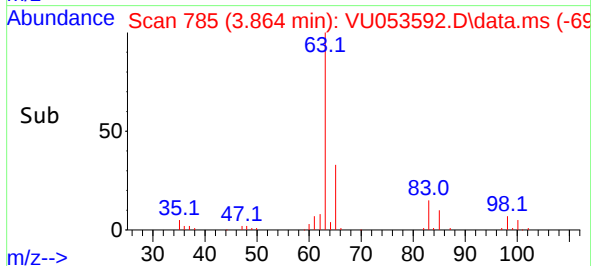
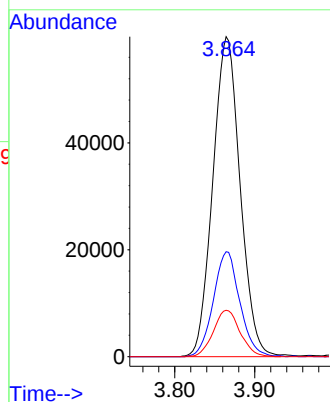
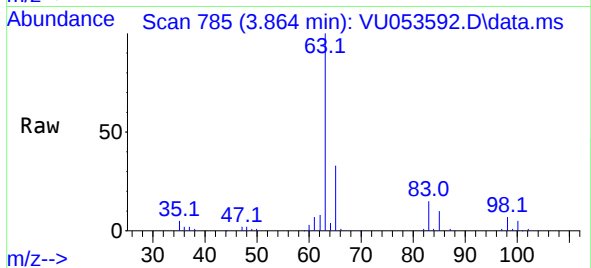




#19
1,1-Dichloroethane
Concen: 55.778 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

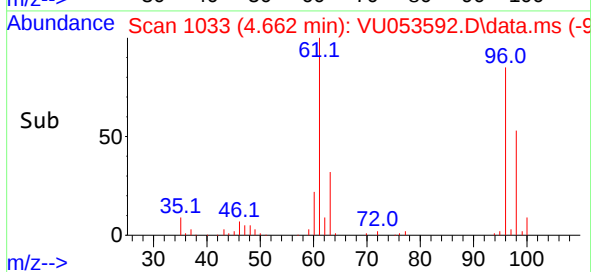
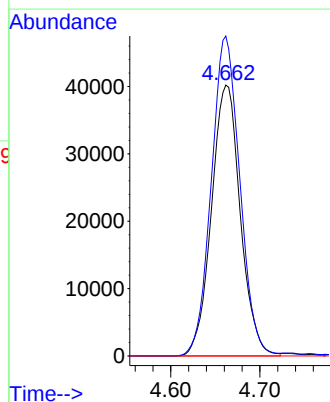
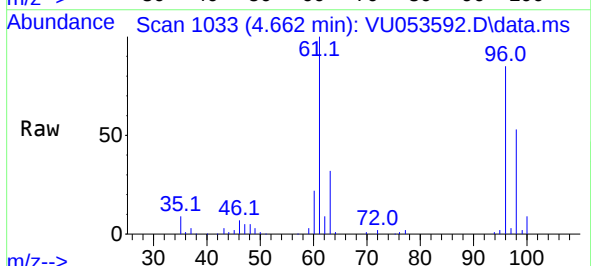
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

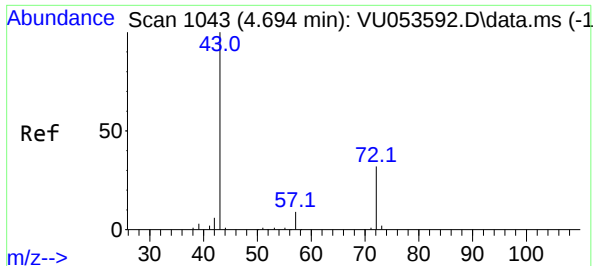
Tgt Ion: 63 Resp: 141772
Ion Ratio Lower Upper
63 100
65 32.8 22.0 41.0
83 14.5 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 50.984 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 96 Resp: 90359
Ion Ratio Lower Upper
96 100
61 118.1 74.7 138.7
68 0.0 0.0 0.0

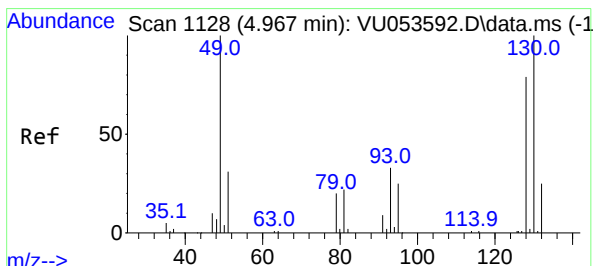
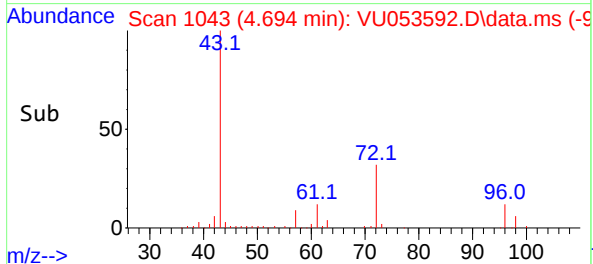
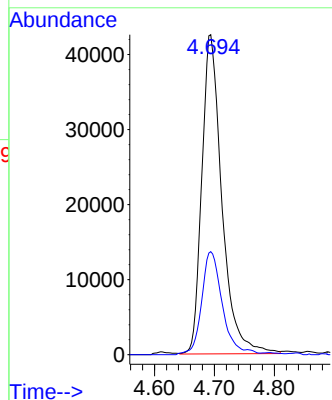
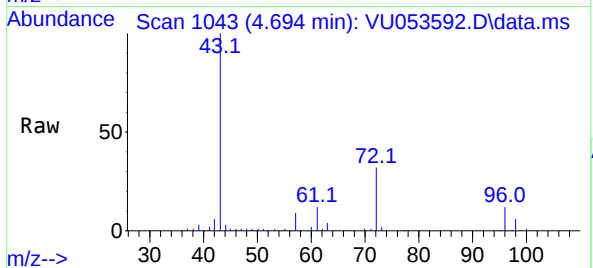




#22
2-Butanone
Concen: 103.903 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

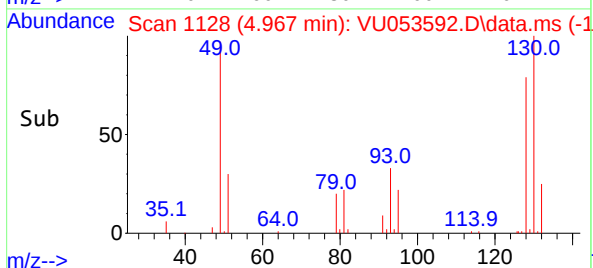
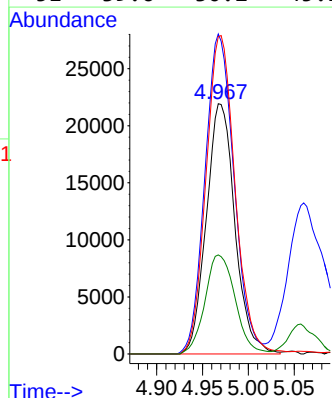
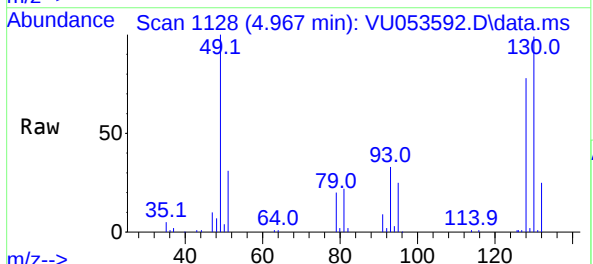
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

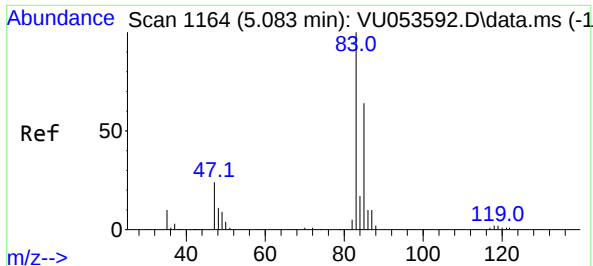
Tgt Ion: 43 Resp: 99232
Ion Ratio Lower Upper
43 100
72 32.4 15.8 47.3



#23
Bromochloromethane
Concen: 48.140 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:128 Resp: 47524
Ion Ratio Lower Upper
128 100
49 127.9 81.5 151.3
130 126.9 91.8 170.4
51 39.6 30.2 45.2

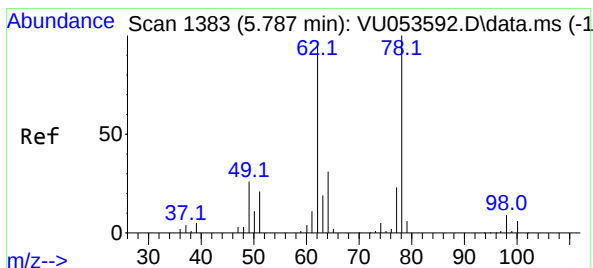
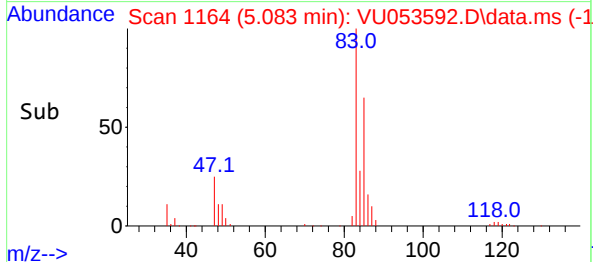
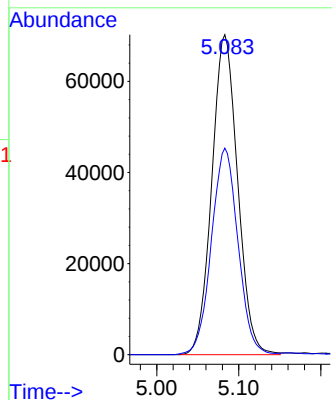
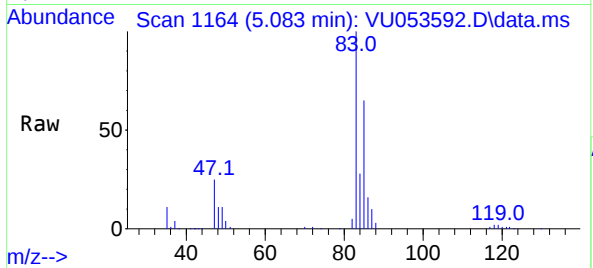




#25
Chloroform
Concen: 52.822 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

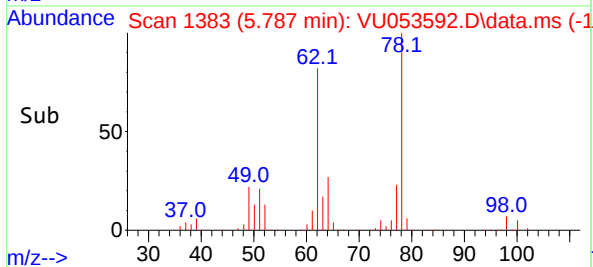
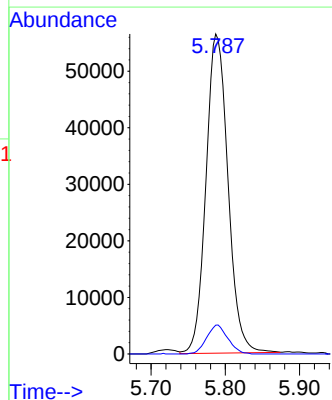
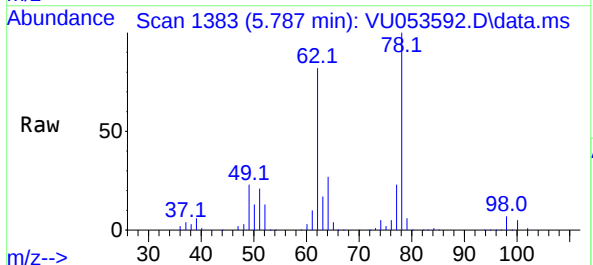
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

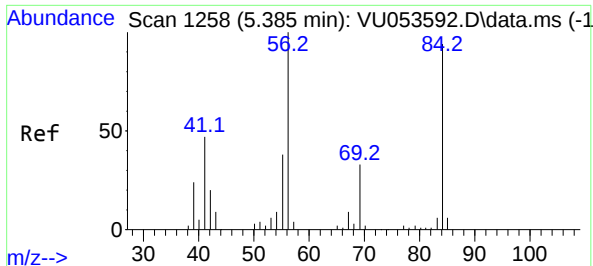
Tgt Ion: 83 Resp: 153988
Ion Ratio Lower Upper
83 100
85 64.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 54.376 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 62 Resp: 116091
Ion Ratio Lower Upper
62 100
98 9.0 8.3 12.5





#29

Cyclohexane

Concen: 54.740 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050189

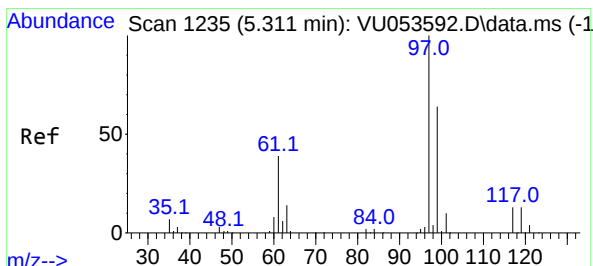
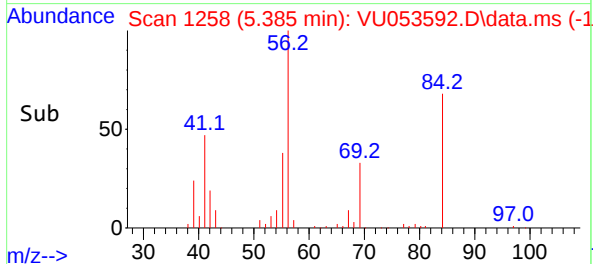
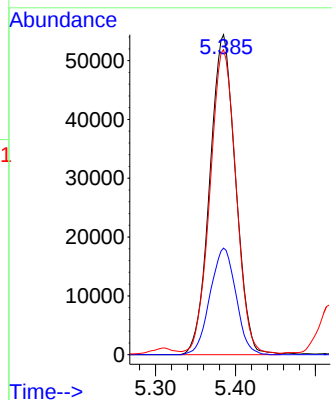
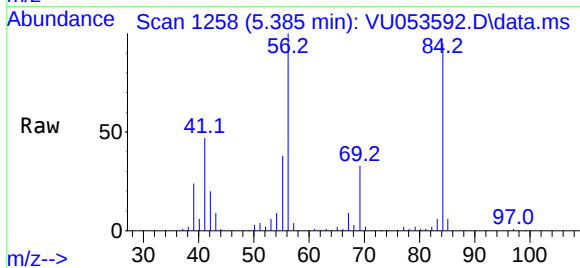
Tgt Ion: 56 Resp: 121744

Ion Ratio Lower Upper

56 100

69 33.4 27.3 40.9

84 96.0 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 53.097 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

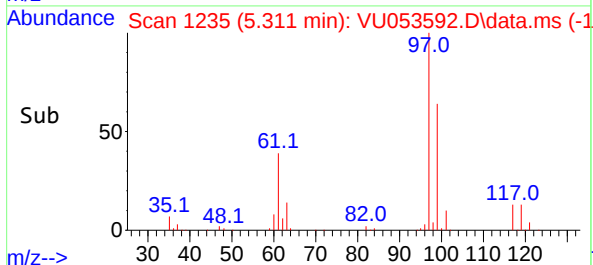
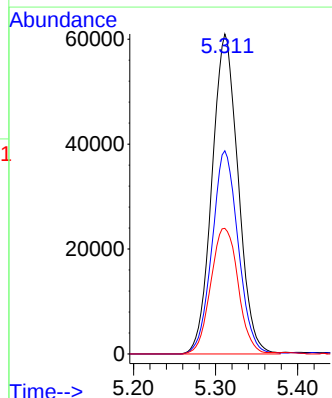
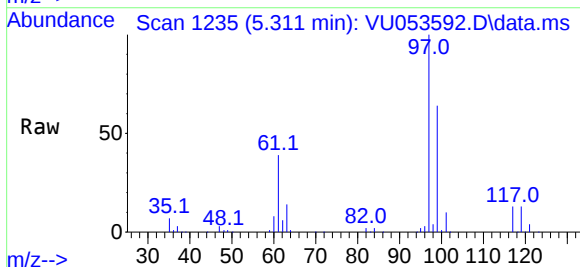
Tgt Ion: 97 Resp: 135162

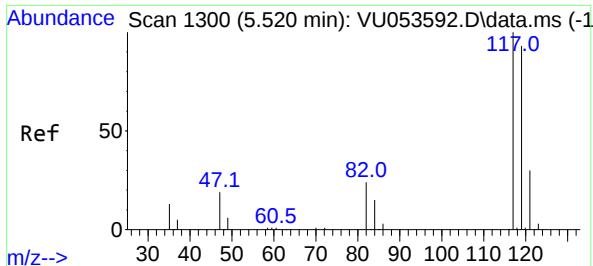
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 41.3 31.0 46.4

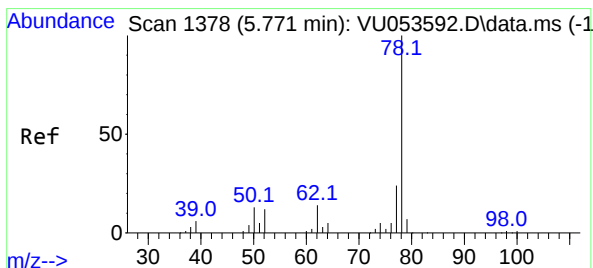
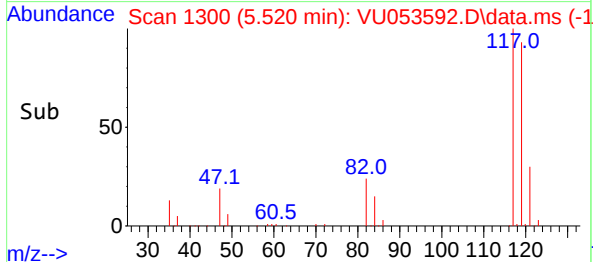
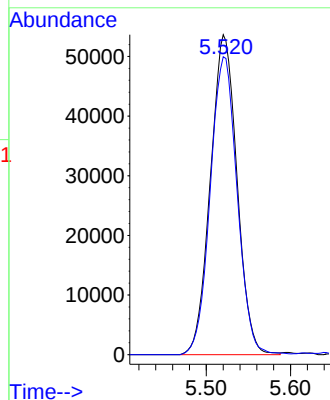
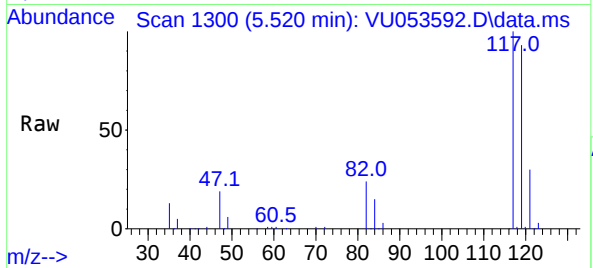




#31
Carbon tetrachloride
Concen: 51.531 ug/L
RT: 5.520 min Scan# 117528
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

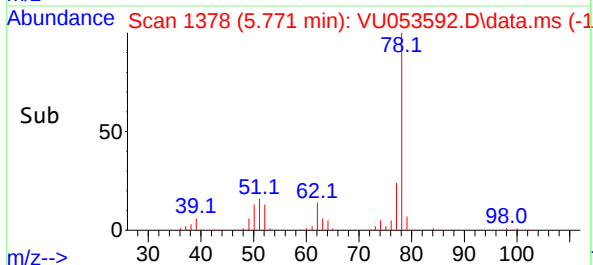
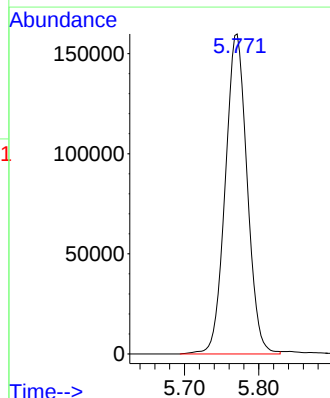
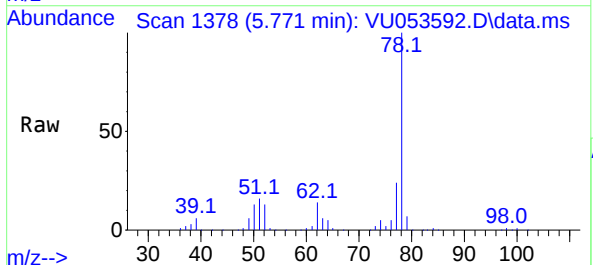
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

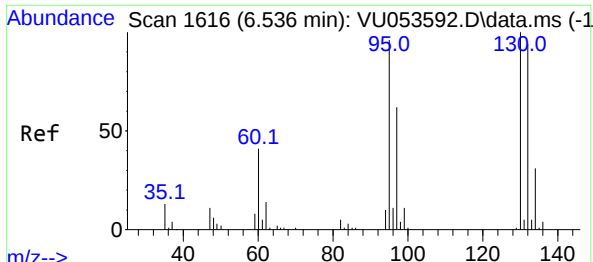
Tgt Ion:117 Resp: 117528
Ion Ratio Lower Upper
117 100
119 94.2 76.9 115.3



#33
Benzene
Concen: 54.329 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

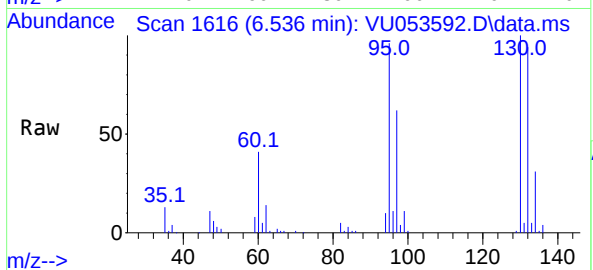
Tgt Ion: 78 Resp: 327013





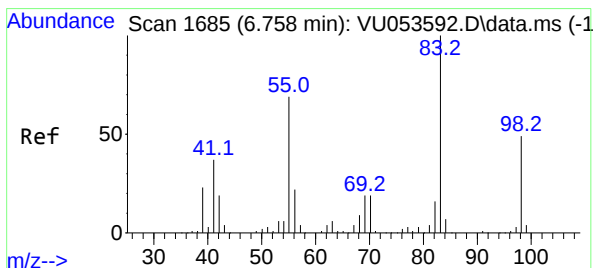
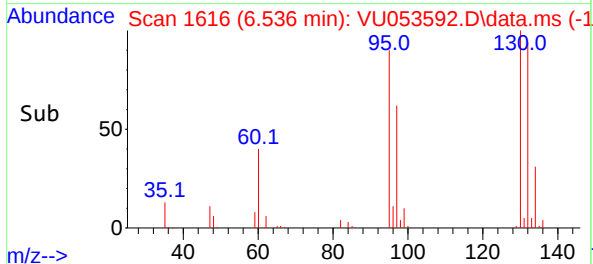
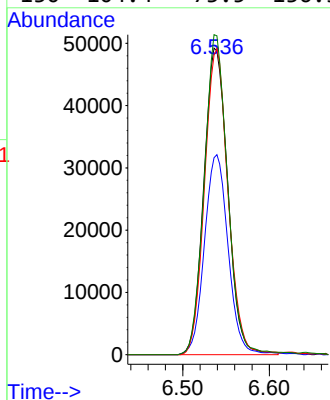
#34
Trichloroethene
Concen: 51.913 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050189



Tgt Ion: 95 Resp: 94508

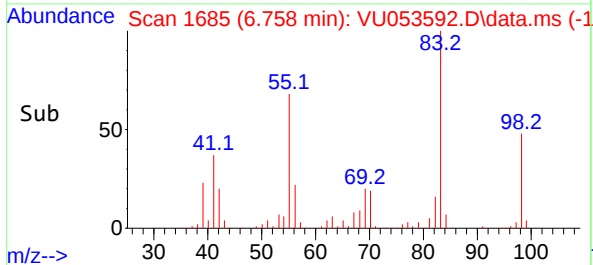
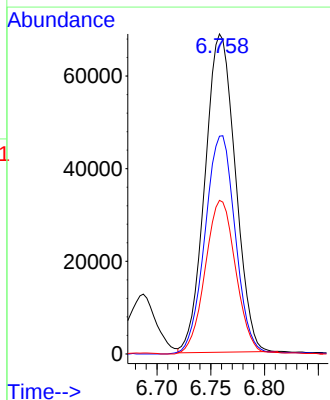
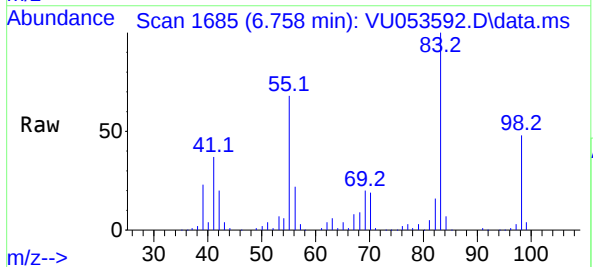
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.1	83.7
132	97.7	74.1	137.5
130	104.4	73.5	136.5

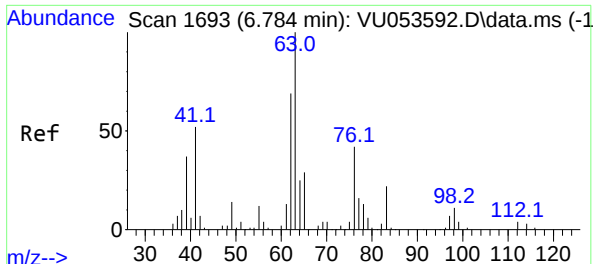


#35
Methylcyclohexane
Concen: 50.457 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 83 Resp: 135023

Ion	Ratio	Lower	Upper
83	100		
55	68.7	53.0	79.6
98	48.7	39.0	58.6

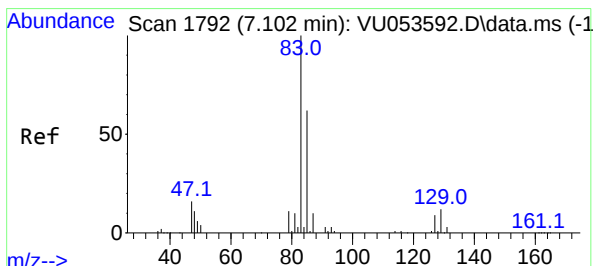
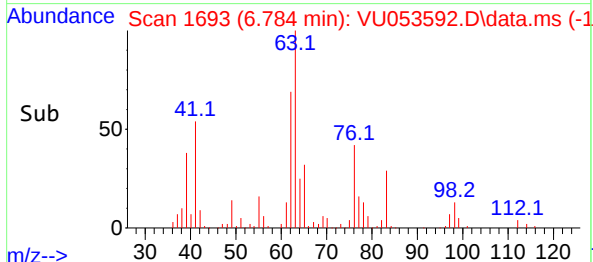
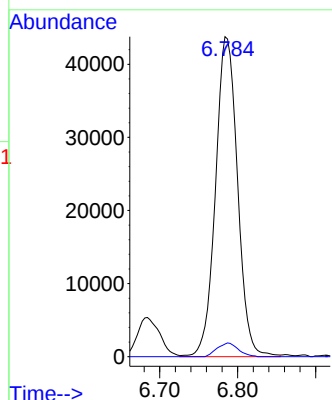
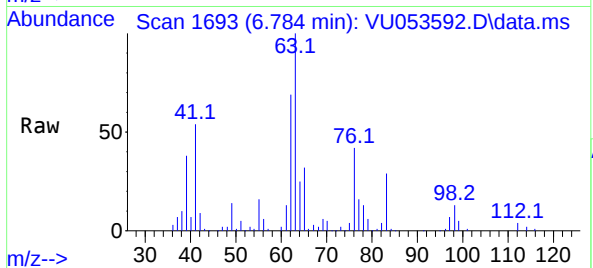




#37
1,2-Dichloropropane
Concen: 56.243 ug/L
RT: 6.784 min Scan# 1693
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

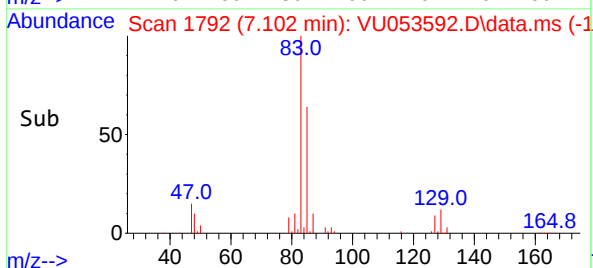
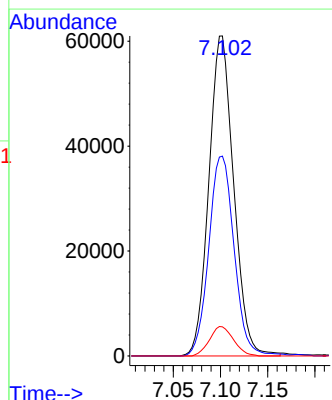
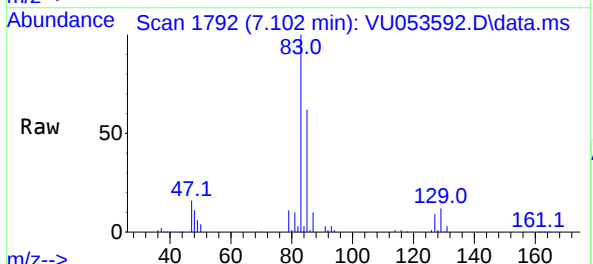
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

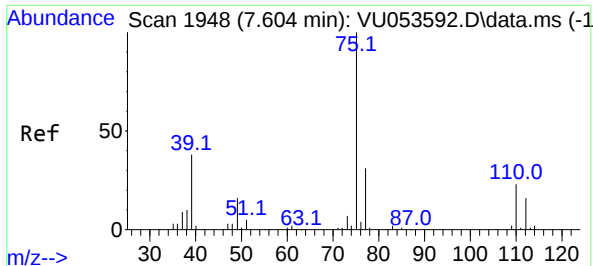
Tgt Ion: 63 Resp: 85959
Ion Ratio Lower Upper
63 100
112 4.1 3.8 5.6



#38
Bromodichloromethane
Concen: 54.639 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 83 Resp: 111403
Ion Ratio Lower Upper
83 100
85 62.4 44.4 82.5
127 9.1 8.0 12.0

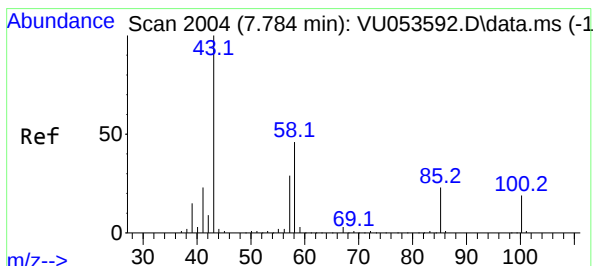
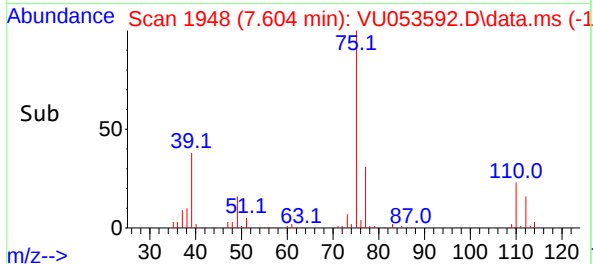
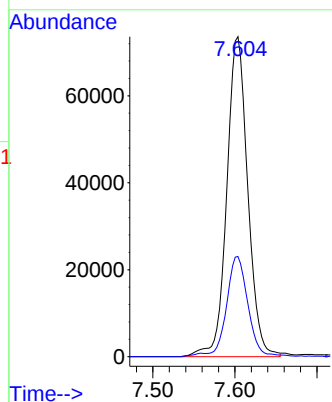
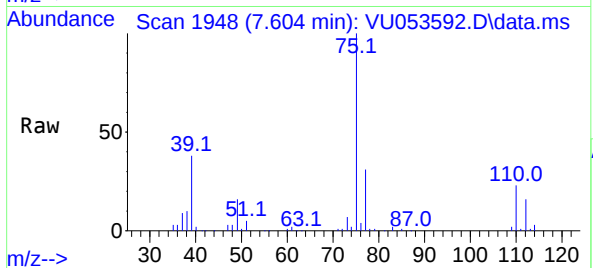




#39
 cis-1,3-Dichloropropene
 Concen: 52.458 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.003 min
 Lab File: VU053592.D
 Acq: 07 Apr 2023 10:06

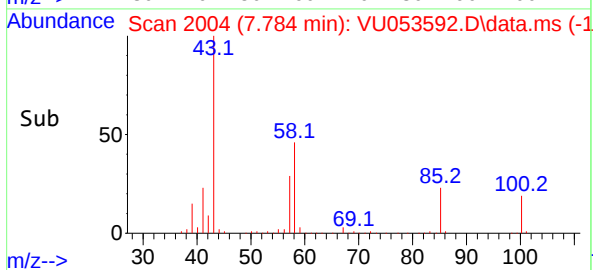
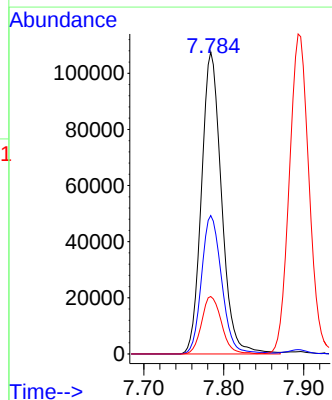
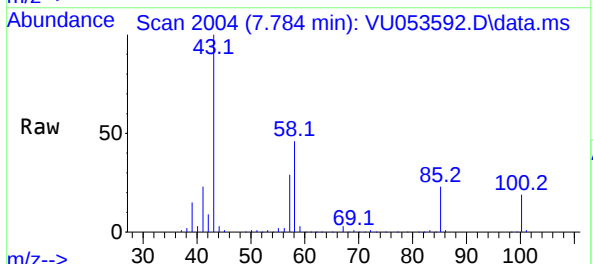
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050189

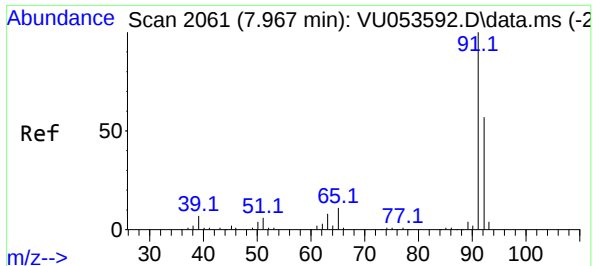
Tgt Ion: 75 Resp: 131017
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 113.280 ug/L
 RT: 7.784 min Scan# 2004
 Delta R.T. 0.000 min
 Lab File: VU053592.D
 Acq: 07 Apr 2023 10:06

Tgt Ion: 43 Resp: 188143
 Ion Ratio Lower Upper
 43 100
 58 46.2 35.5 53.3
 100 18.9 15.8 23.8





#42

Toluene

Concen: 52.447 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

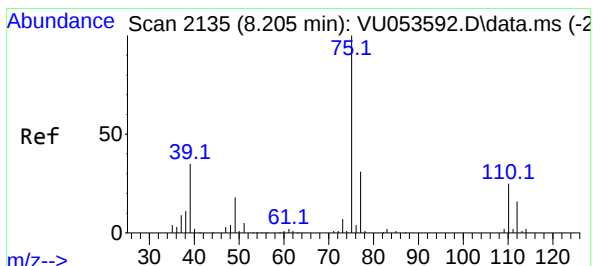
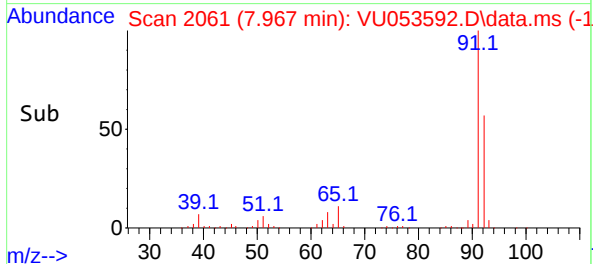
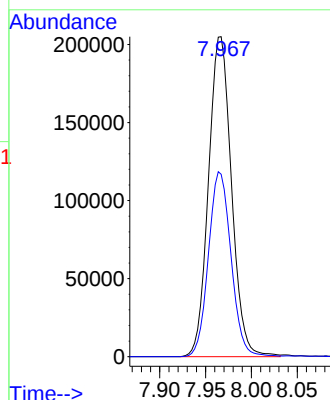
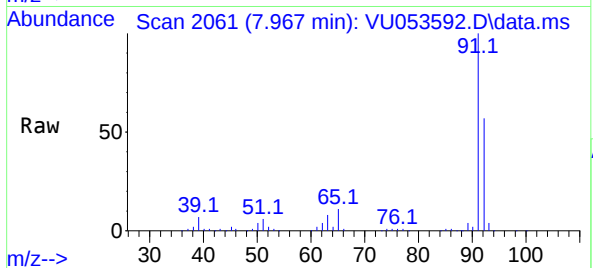
VSTD050189

Tgt Ion: 91 Resp: 357751

Ion Ratio Lower Upper

91 100

92 57.0 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 52.077 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053592.D

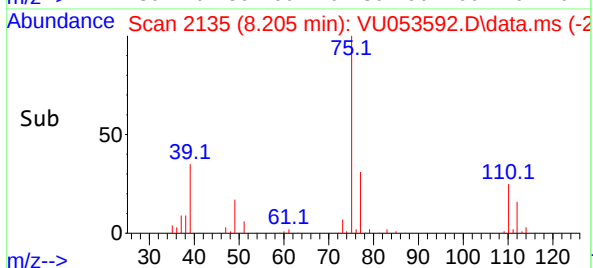
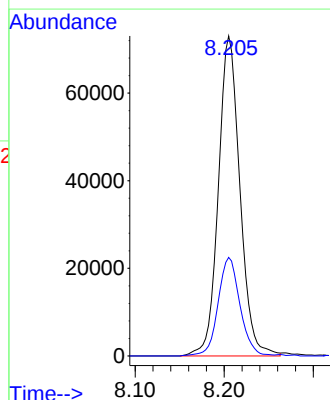
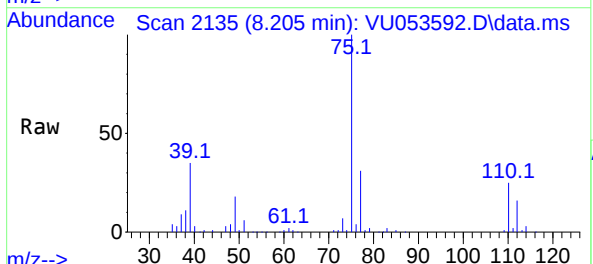
Acq: 07 Apr 2023 10:06

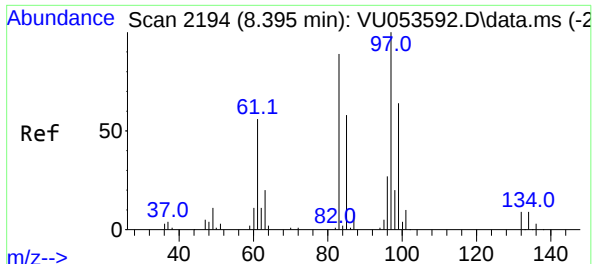
Tgt Ion: 75 Resp: 122958

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4



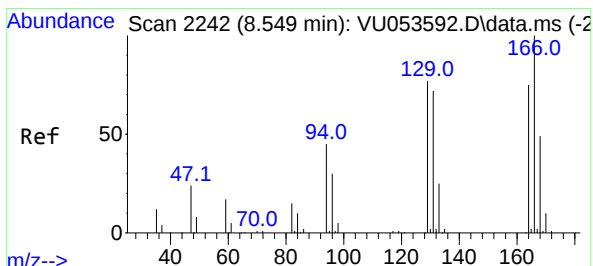
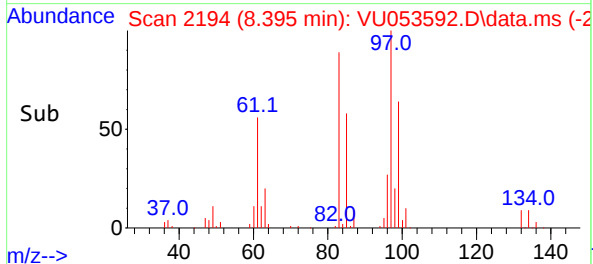
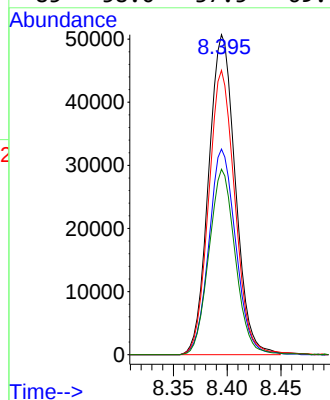
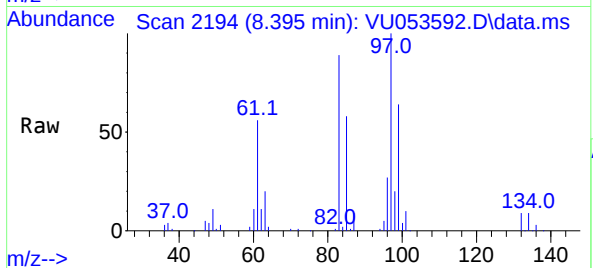


#45
1,1,2-Trichloroethane
Concen: 52.354 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

Tgt Ion: 97 Resp: 87851

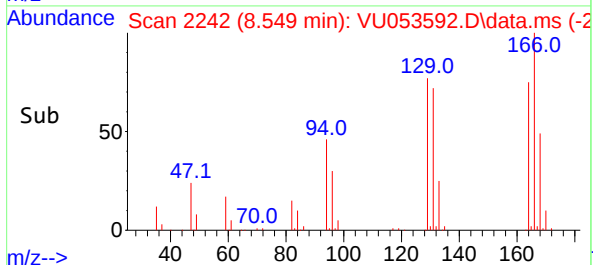
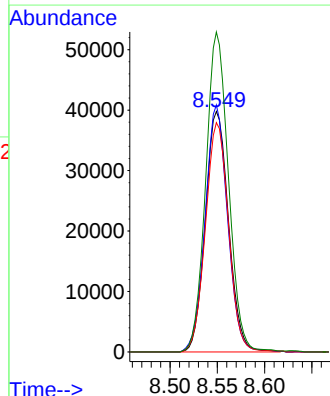
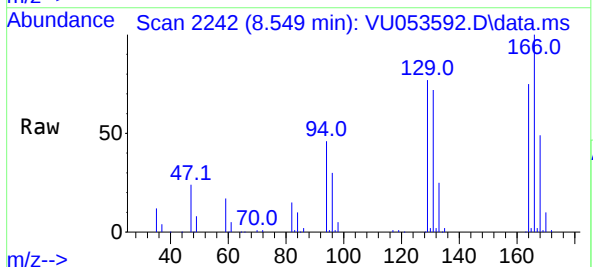
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.8	81.3
83	88.9	59.0	109.6
85	58.0	37.5	69.7

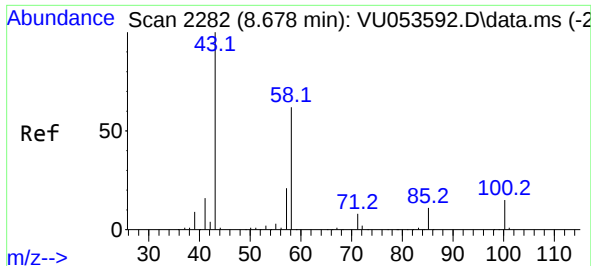


#46
Tetrachloroethene
Concen: 44.918 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 164 Resp: 67858

Ion	Ratio	Lower	Upper
164	100		
129	102.7	64.0	119.0
131	95.4	61.9	115.1
166	133.1	90.6	168.2

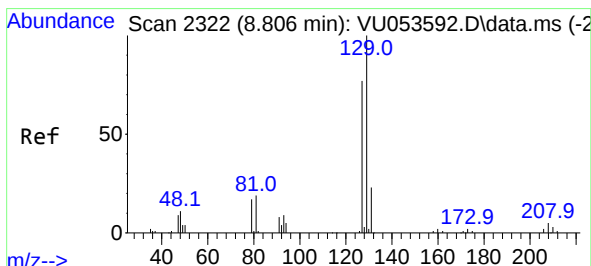
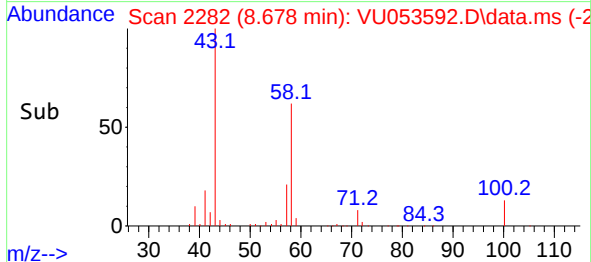
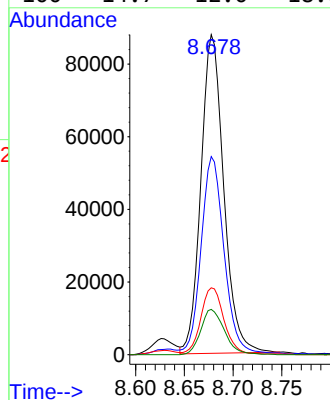
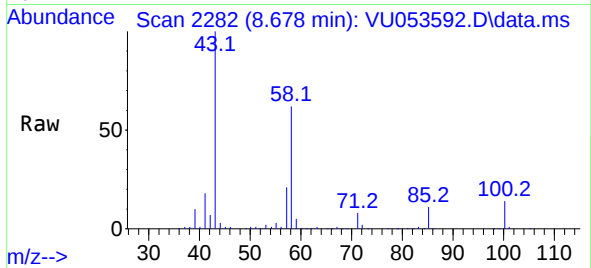




#48
2-Hexanone
Concen: 106.562 ug/L
RT: 8.678 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

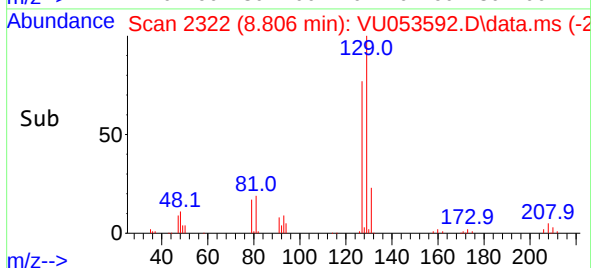
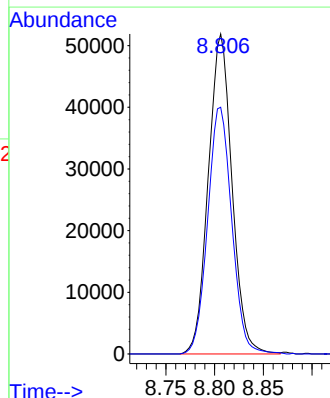
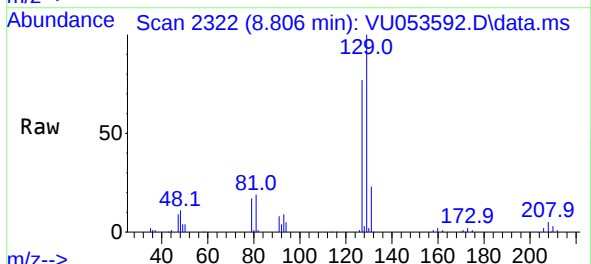
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

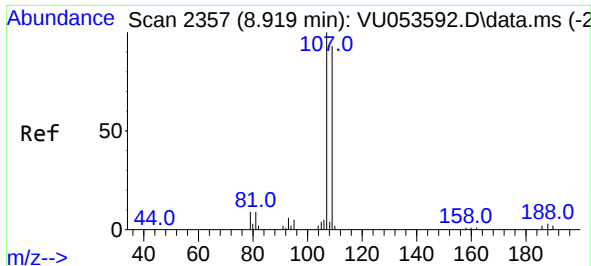
Tgt Ion: 43 Resp: 143166
Ion Ratio Lower Upper
43 100
58 63.2 49.8 74.6
57 21.0 17.8 26.6
100 14.7 12.0 18.0



#49
Dibromochloromethane
Concen: 50.384 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 129 Resp: 87910
Ion Ratio Lower Upper
129 100
127 77.1 53.5 99.3





#50

1,2-Dibromoethane

Concen: 50.361 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050189

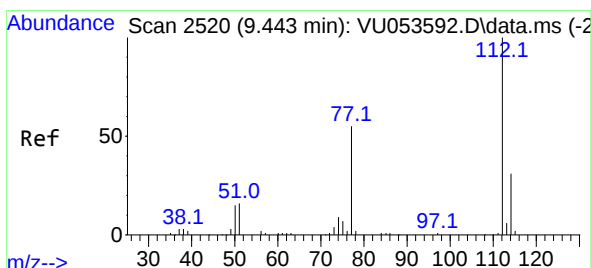
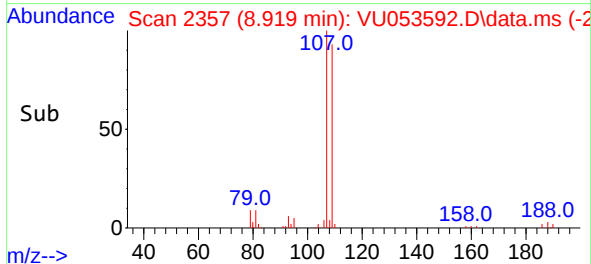
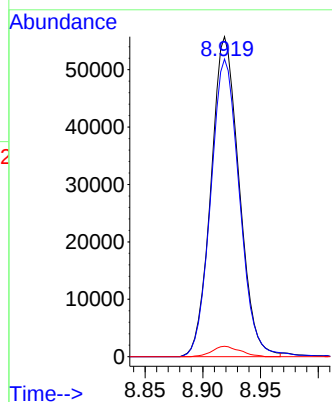
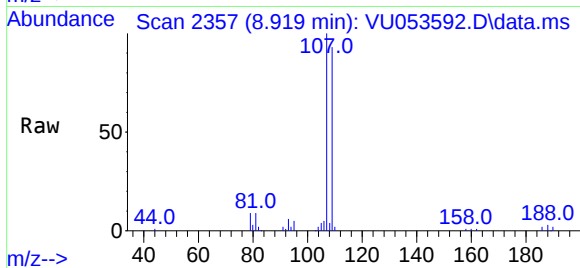
Tgt Ion:107 Resp: 94547

Ion Ratio Lower Upper

107 100

109 93.0 66.3 123.1

188 3.3 3.0 4.4



#51

Chlorobenzene

Concen: 50.474 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

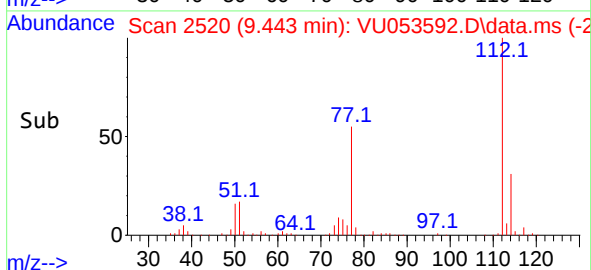
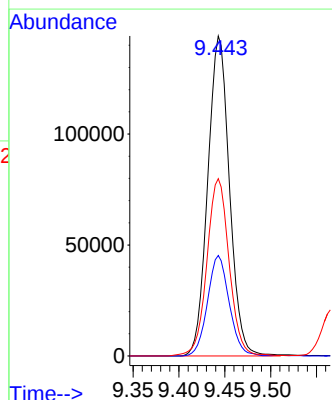
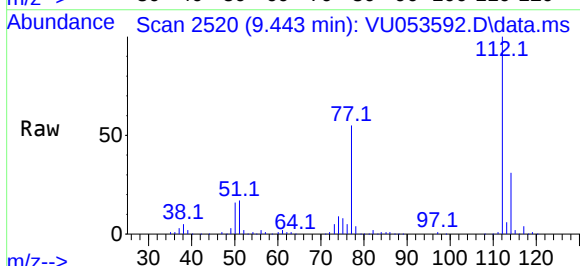
Tgt Ion:112 Resp: 237217

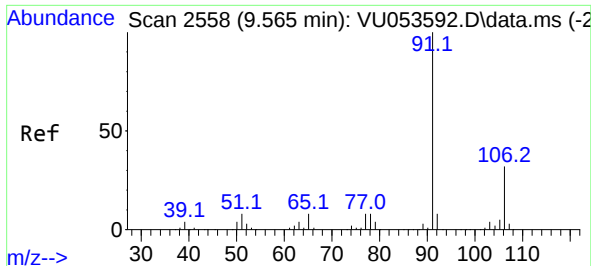
Ion Ratio Lower Upper

112 100

114 31.4 22.2 41.2

77 55.4 41.3 61.9

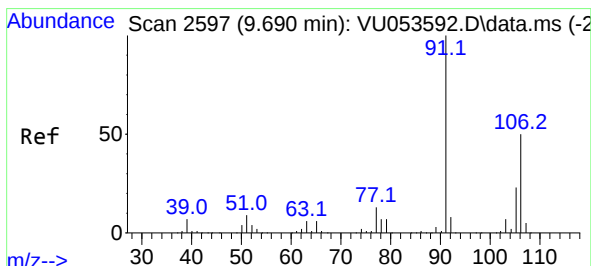
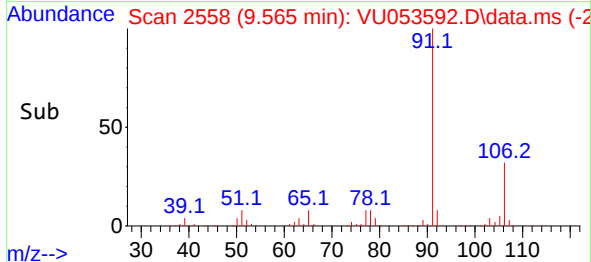
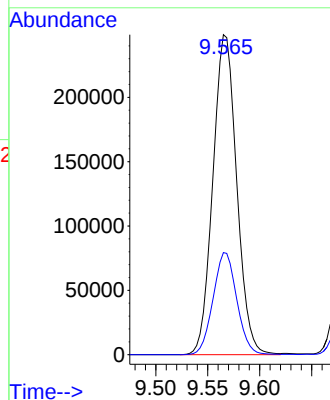
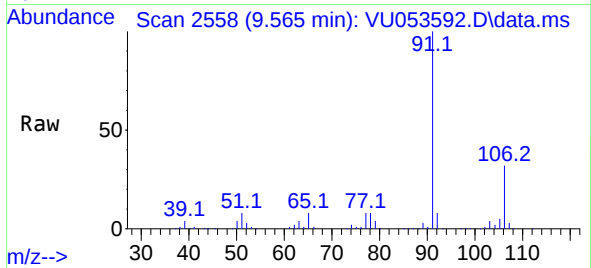




#52
Ethylbenzene
Concen: 52.266 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

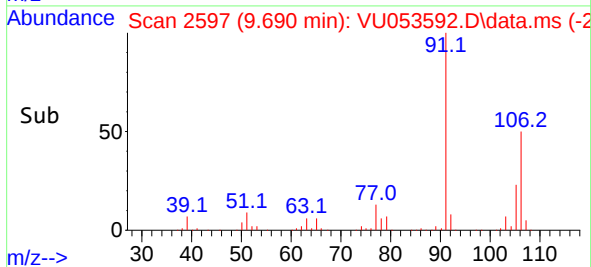
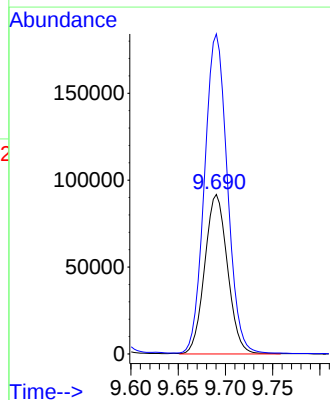
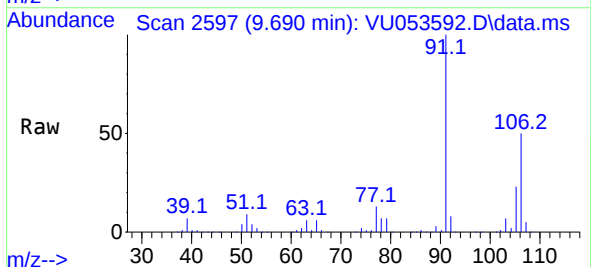
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

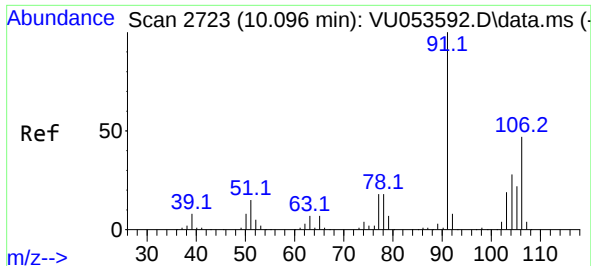
Tgt Ion: 91 Resp: 396870
Ion Ratio Lower Upper
91 100
106 31.9 22.4 41.6



#53
m,p-Xylene
Concen: 51.920 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 106 Resp: 154190
Ion Ratio Lower Upper
106 100
91 200.6 140.0 260.0

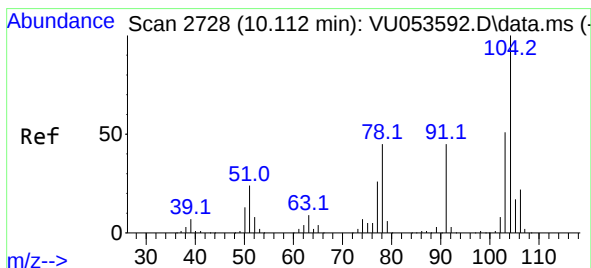
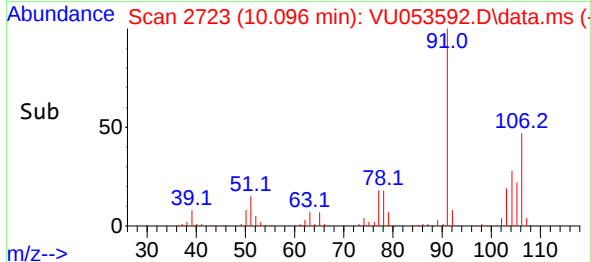
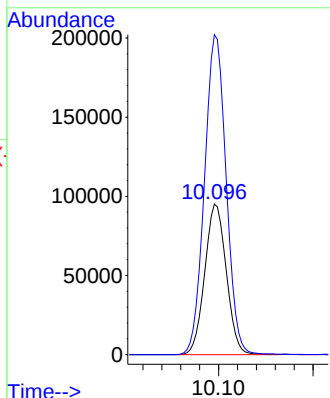
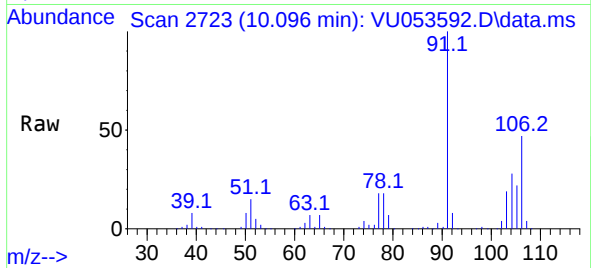




#54
o-Xylene
Concen: 51.348 ug/L
RT: 10.096 min Scan# 2723
Delta R.T. 0.001 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

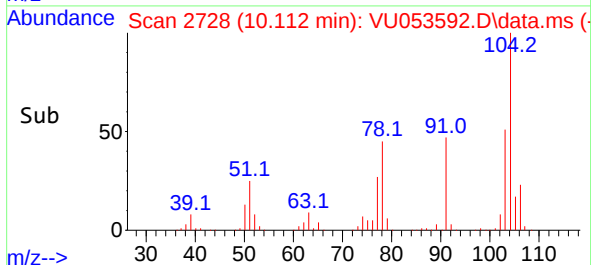
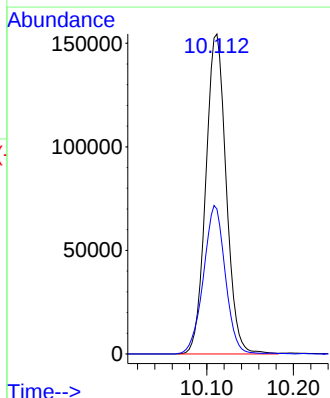
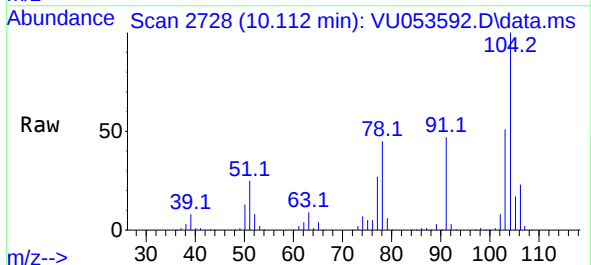
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

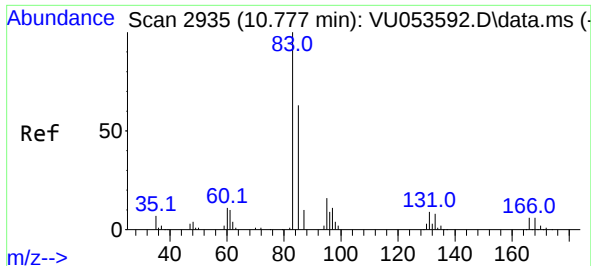
Tgt Ion:106 Resp: 150768
Ion Ratio Lower Upper
106 100
91 212.5 144.9 269.1



#55
Styrene
Concen: 52.872 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:104 Resp: 252859
Ion Ratio Lower Upper
104 100
78 45.3 31.3 58.1

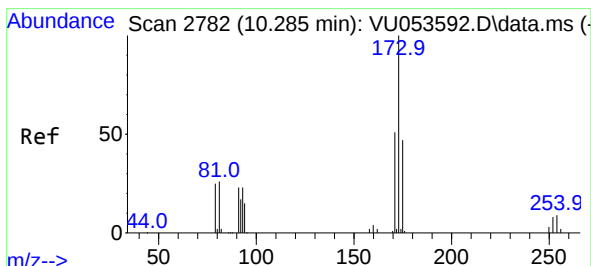
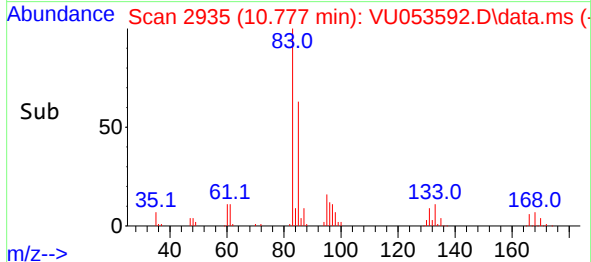
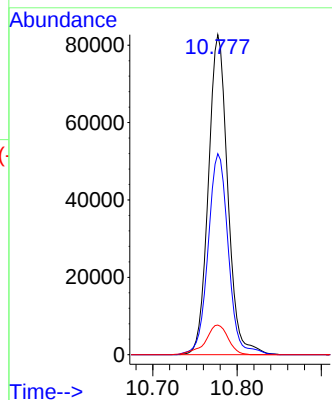
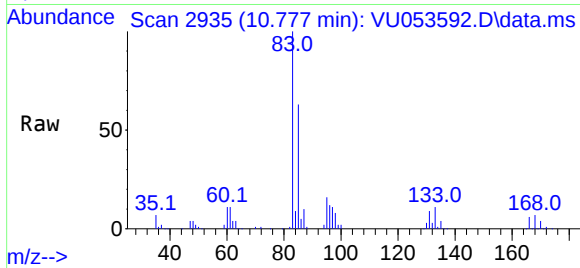




#57
1,1,2,2-Tetrachloroethane
Concen: 53.734 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

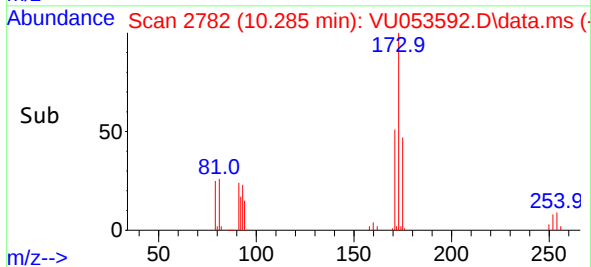
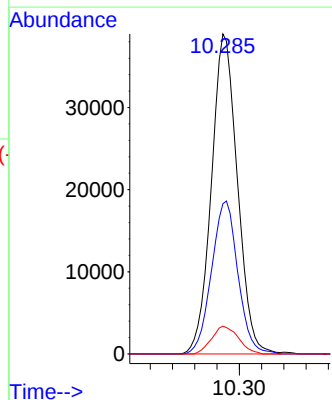
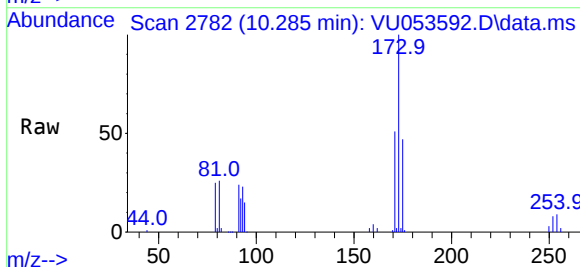
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

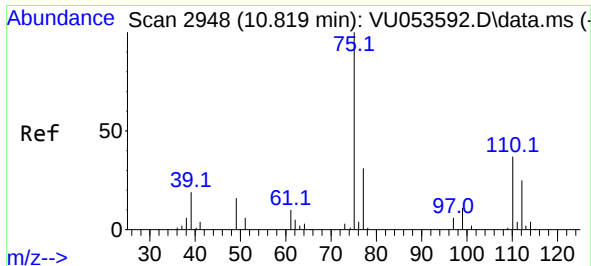
Tgt Ion: 83 Resp: 132386
Ion Ratio Lower Upper
83 100
85 62.8 47.0 87.4
131 9.3 8.7 13.1



#59
Bromoform
Concen: 50.004 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:173 Resp: 63102
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.6
254 8.9 7.0 10.4

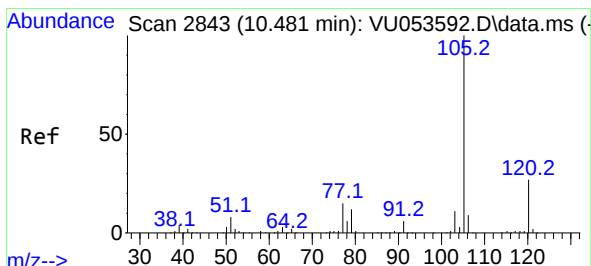
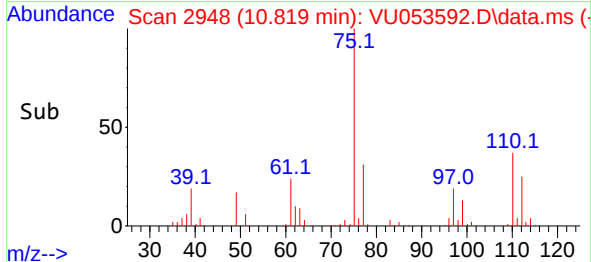
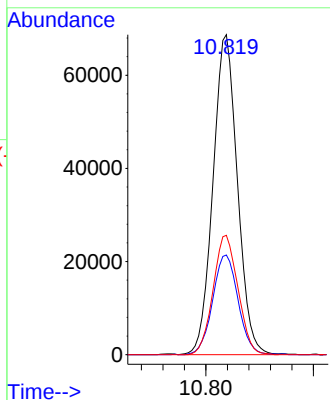
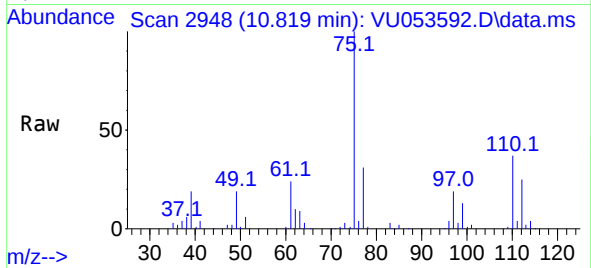




#60
1,2,3-Trichloropropane
Concen: 60.552 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

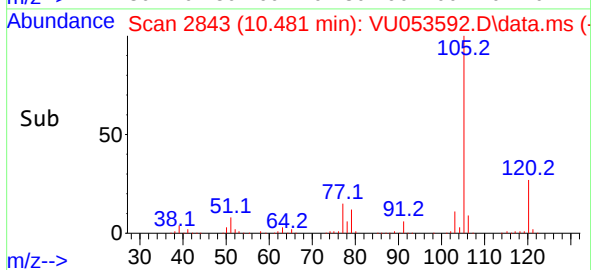
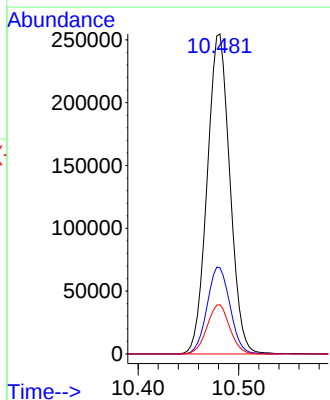
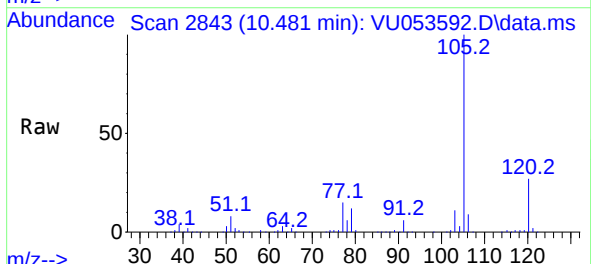
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

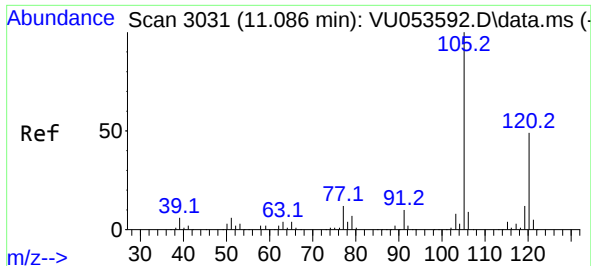
Tgt Ion: 75 Resp: 108245
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0
110 38.0 32.6 48.8



#61
Isopropylbenzene
Concen: 54.775 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion: 105 Resp: 399267
Ion Ratio Lower Upper
105 100
120 27.4 22.4 33.6
77 15.4 12.1 18.1

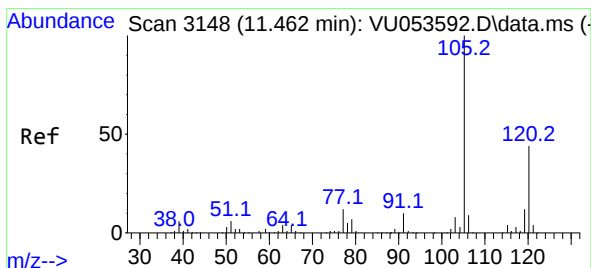
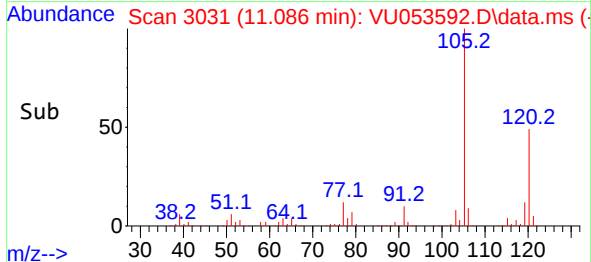
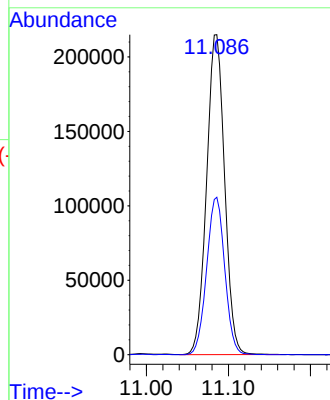
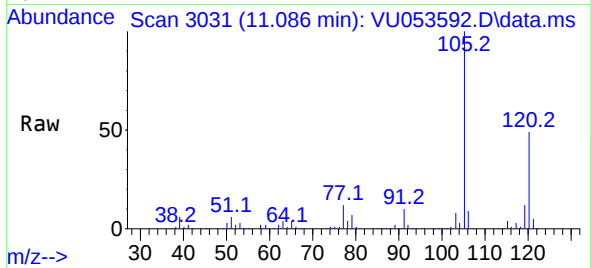




#62
1,3,5-Trimethylbenzene
Concen: 54.210 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

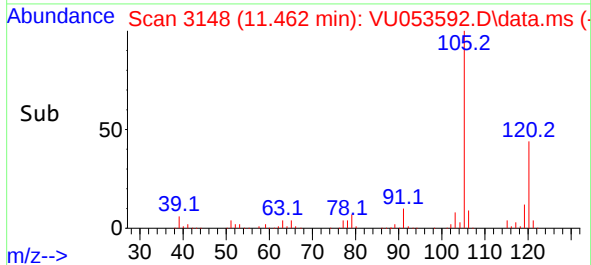
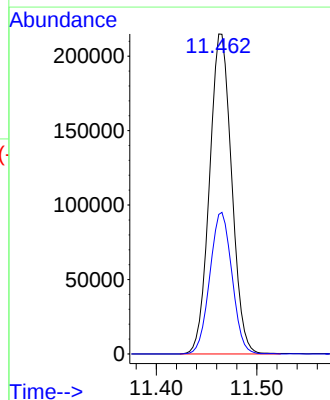
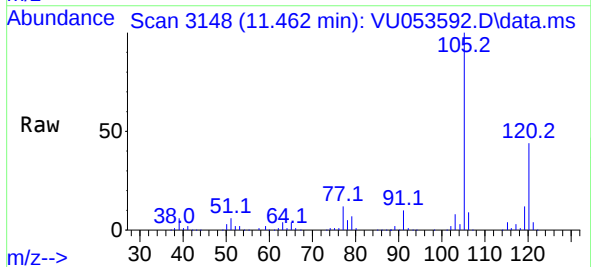
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

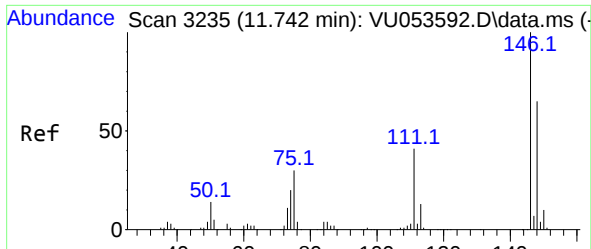
Tgt Ion:105 Resp: 328480
Ion Ratio Lower Upper
105 100
120 49.4 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 54.808 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:105 Resp: 328927
Ion Ratio Lower Upper
105 100
120 44.3 37.5 56.3

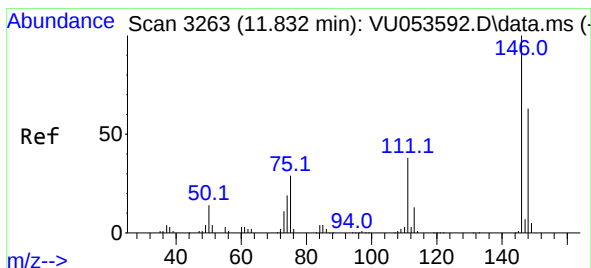
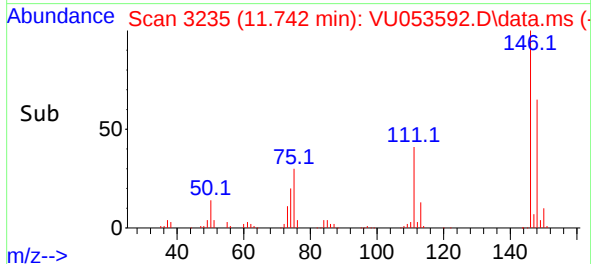
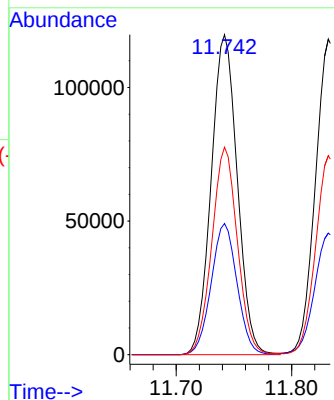
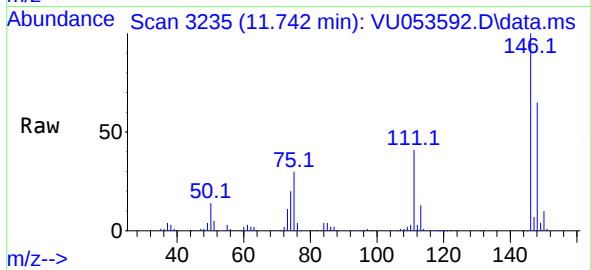




#64
1,3-Dichlorobenzene
Concen: 49.386 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

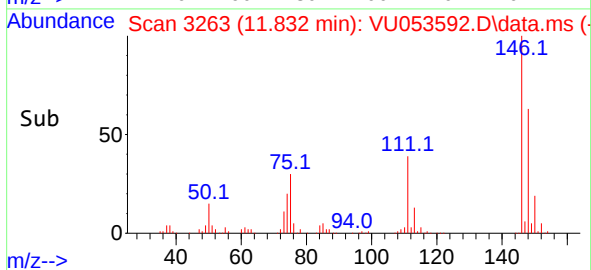
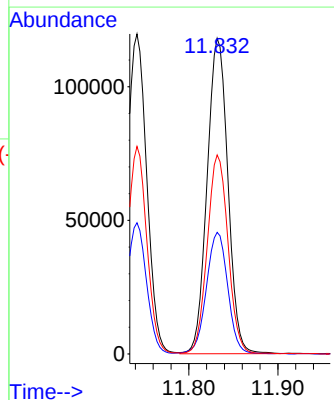
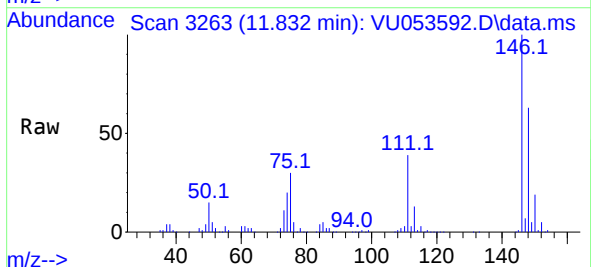
Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

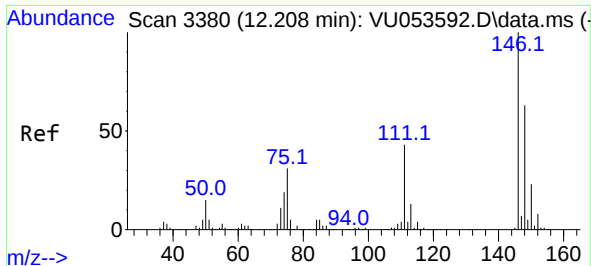
Tgt Ion:146 Resp: 188099
Ion Ratio Lower Upper
146 100
111 41.0 25.7 47.7
148 64.9 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 49.256 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:146 Resp: 191204
Ion Ratio Lower Upper
146 100
111 38.5 25.1 46.5
148 63.1 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 49.856 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD050189

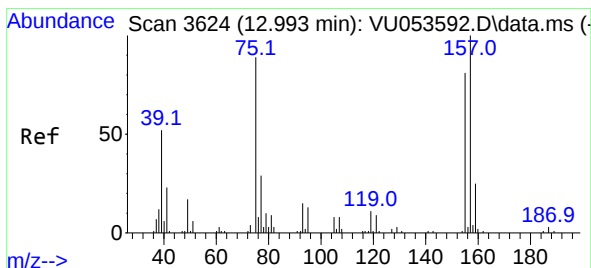
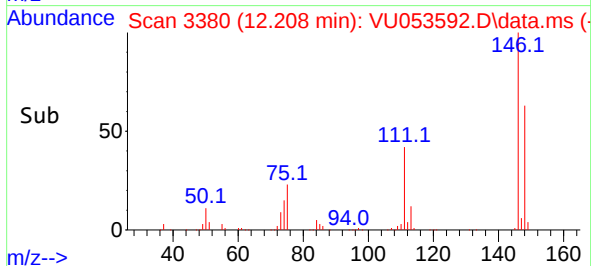
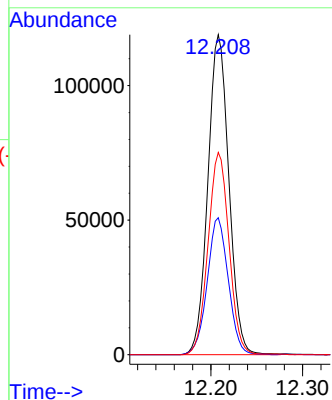
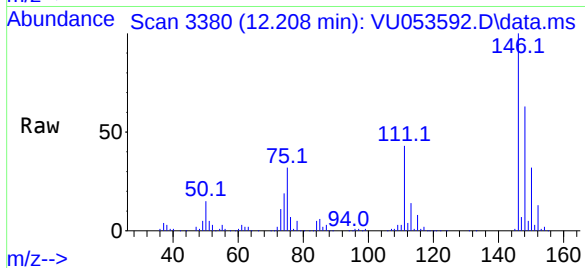
Tgt Ion:146 Resp: 189254

Ion Ratio Lower Upper

146 100

111 42.8 31.5 47.3

148 63.2 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 60.977 ug/L

RT: 12.993 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053592.D

Acq: 07 Apr 2023 10:06

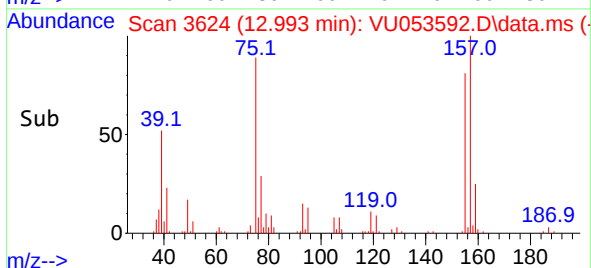
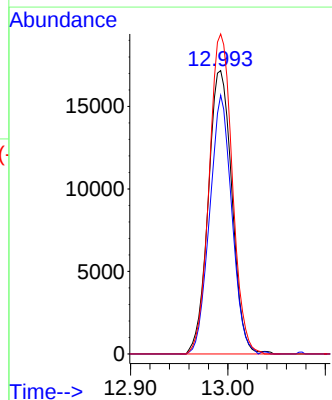
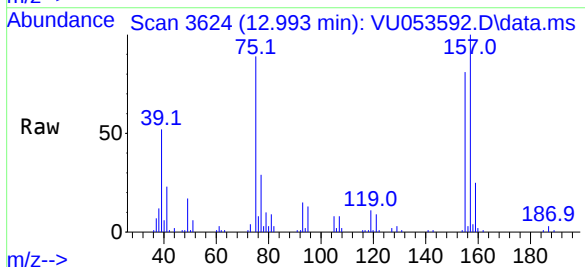
Tgt Ion: 75 Resp: 29059

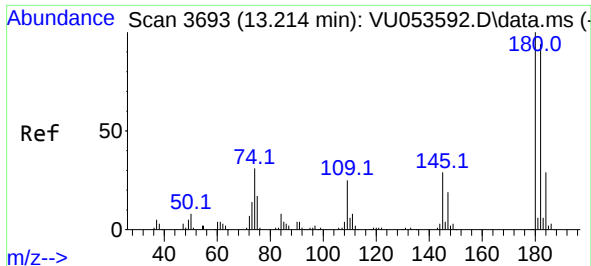
Ion Ratio Lower Upper

75 100

155 91.3 79.9 119.9

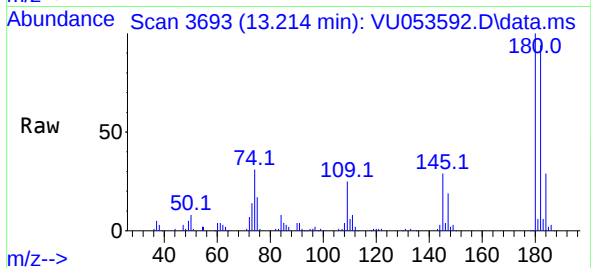
157 113.0 100.8 151.2



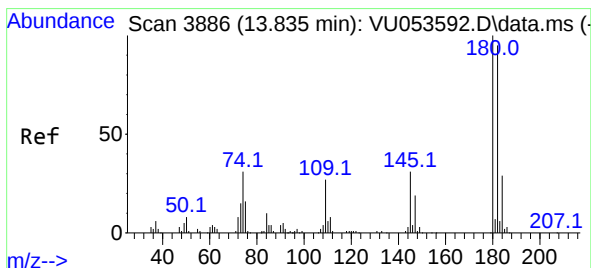
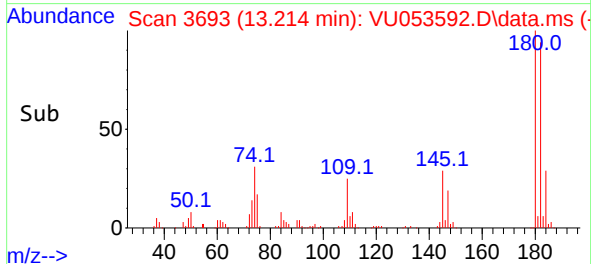
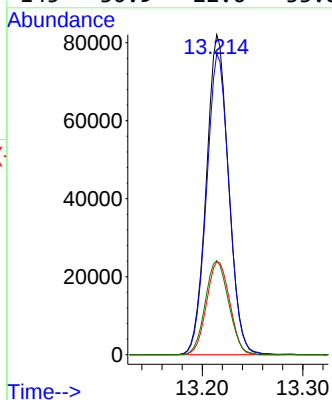


#69
1,3,5-Trichlorobenzene
Concen: 44.688 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

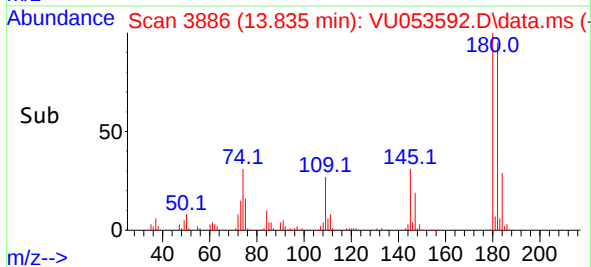
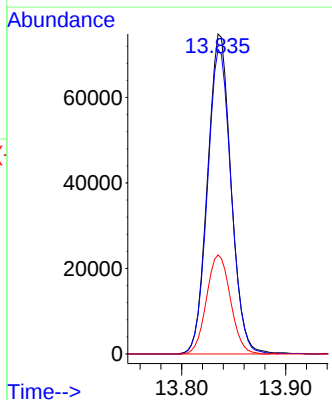
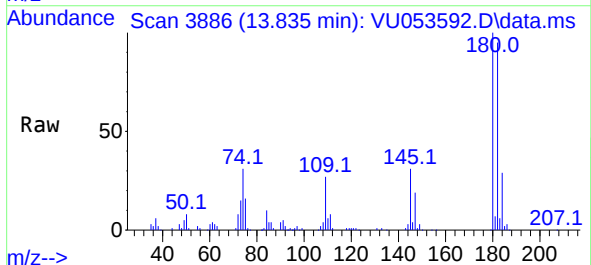


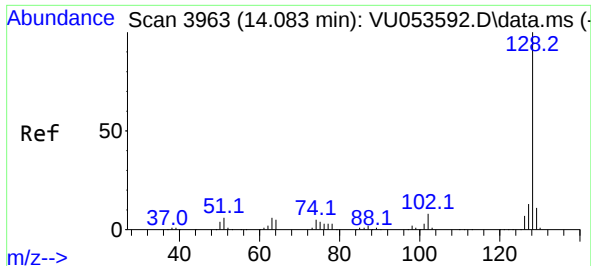
Tgt Ion:180 Resp: 126042
Ion Ratio Lower Upper
180 100
182 95.4 75.6 113.4
184 30.2 24.2 36.2
145 30.9 22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 44.845 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:180 Resp: 117269
Ion Ratio Lower Upper
180 100
182 96.1 75.8 113.8
145 31.5 23.4 35.2



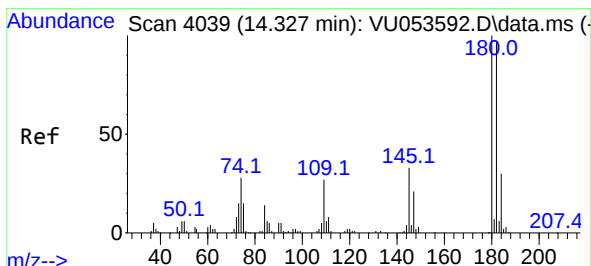
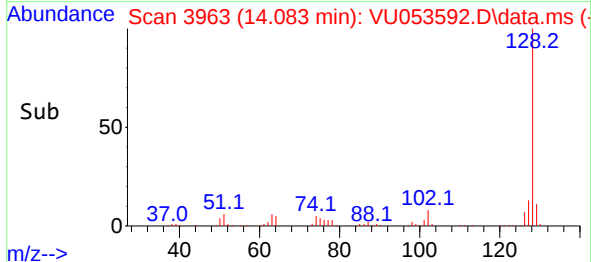
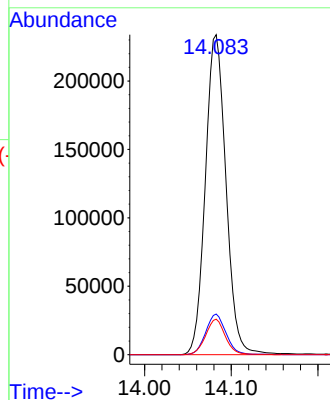
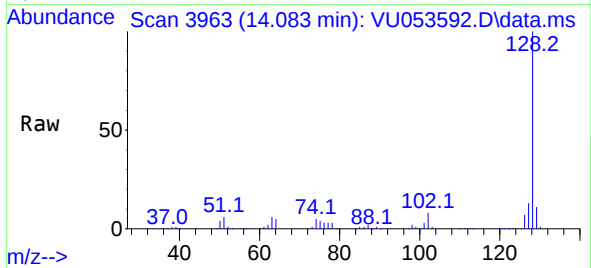


#71
Naphthalene
Concen: 49.369 ug/L
RT: 14.083 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD050189

Tgt Ion:128 Resp: 386416

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.6	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 44.450 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053592.D
Acq: 07 Apr 2023 10:06

Tgt Ion:180 Resp: 116097

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.0	115.6
145	33.9	25.4	38.0

