

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040523\
 Data File : VU053583.D
 Acq On : 05 Apr 2023 16:43
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050186

Quant Time: Apr 06 03:37:26 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	6.247	114	272030	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	256699	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	141399	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	113275	53.477	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 106.960%	
7) Chloroethane-d5	1.909	69	89361	54.716	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 109.440%	
11) 1,1-Dichloroethene-d2	2.565	63	170307	51.940	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 103.880%	
21) 2-Butanone-d5	4.613	46	102987	107.387	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 107.390%	
24) Chloroform-d	5.060	84	176898	50.497	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.000%	
26) 1,2-Dichloroethane-d4	5.697	65	108713	52.518	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 105.040%	
32) Benzene-d6	5.723	84	356353	51.429	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 102.860%	
36) 1,2-Dichloropropane-d6	6.687	67	109247	51.583	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 103.160%	
41) Toluene-d8	7.896	98	346518	50.316	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 100.640%	
43) trans-1,3-Dichloroprop...	8.176	79	55421	50.695	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.380%	
47) 2-Hexanone-d5	8.629	63	80723	111.680	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 111.680%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	153272	51.347	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.700%	
66) 1,2-Dichlorobenzene-d4	12.189	152	139693	47.329	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 94.660%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	109997	49.820	ug/L	100
3) Chloromethane	1.520	50	101487	55.938	ug/L	98
5) Vinyl chloride	1.604	62	118056	56.148	ug/L	98
6) Bromomethane	1.851	94	75951	49.645	ug/L	99
8) Chloroethane	1.932	64	71889	56.847	ug/L	96
9) Trichlorofluoromethane	2.138	101	174989	54.109	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	95305	50.885	ug/L	94
12) 1,1-Dichloroethene	2.578	96	84251	50.474	ug/L	97
13) Acetone	2.617	43	86135	99.939	ug/L	99
14) Carbon disulfide	2.790	76	226359	51.265	ug/L	96
15) Methyl Acetate	2.941	43	71234	53.960	ug/L	96
16) Methylene chloride	3.041	84	92252	49.171	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	86256	51.418	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	259987	53.171	ug/L	99
19) 1,1-Dichloroethane	3.864	63	154774	55.697	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	98416	50.792	ug/L	91
22) 2-Butanone	4.694	43	108221	103.644	ug/L	98
23) Bromochloromethane	4.970	128	52116	48.287	ug/L	96
25) Chloroform	5.083	83	167126	52.436	ug/L	99

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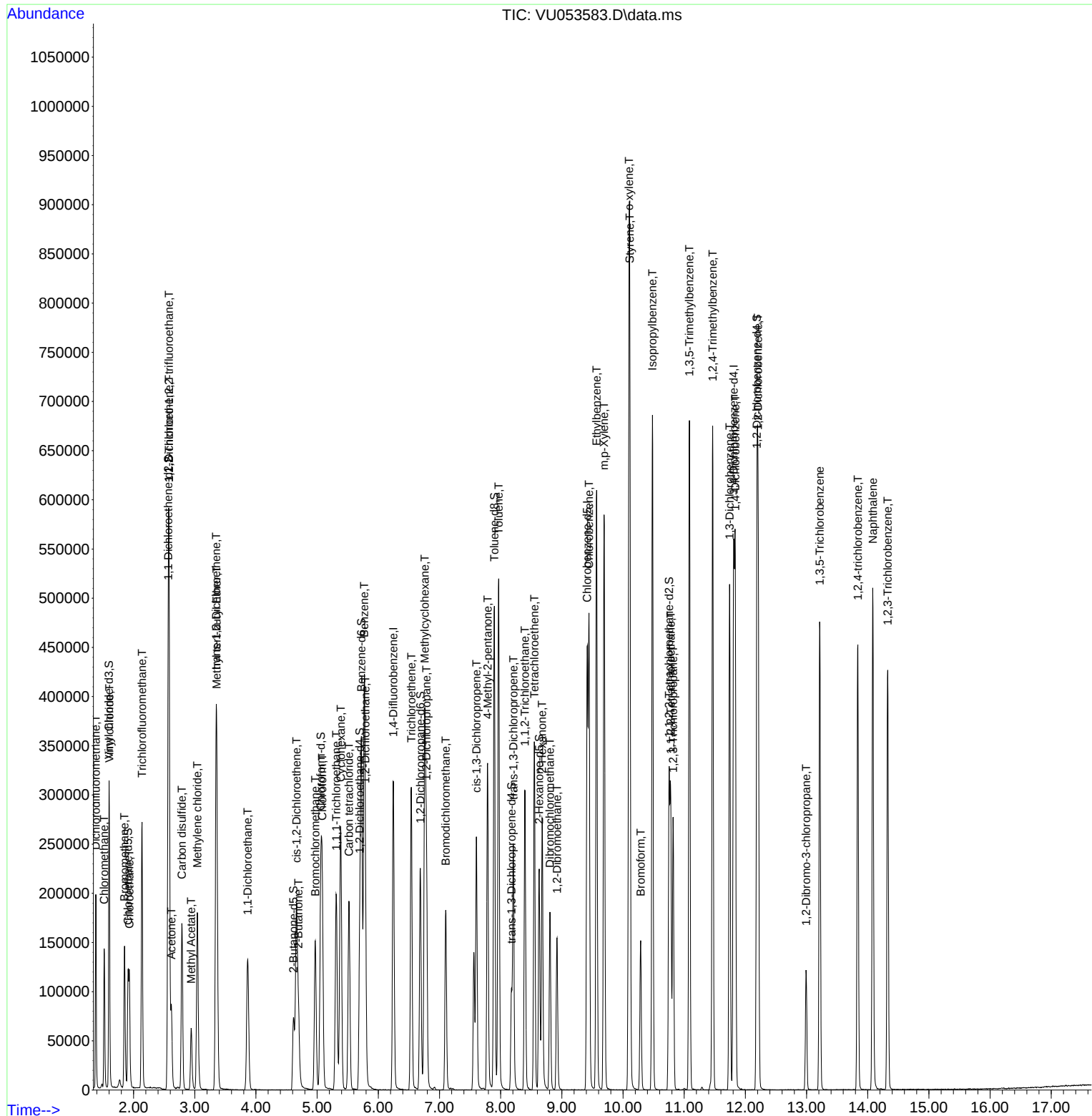
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	125702	53.853	ug/L	99
29) Cyclohexane	5.385	56	134343	54.363	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	144866	51.216	ug/L	97
31) Carbon tetrachloride	5.520	117	128206	50.590	ug/L	99
33) Benzene	5.771	78	357584	53.465	ug/L	100
34) Trichloroethene	6.539	95	102268	50.557	ug/L	97
35) Methylcyclohexane	6.761	83	160553	53.996	ug/L	99
37) 1,2-Dichloropropane	6.787	63	92463	54.447	ug/L	99
38) Bromodichloromethane	7.102	83	120296	53.099	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	155383	55.991	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	202155	109.542	ug/L	98
42) Toluene	7.967	91	398692	52.603	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	144106	54.930	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	96257	51.626	ug/L	98
46) Tetrachloroethene	8.552	164	77462	46.146	ug/L	95
48) 2-Hexanone	8.677	43	158313	106.050	ug/L	99
49) Dibromochloromethane	8.806	129	95335	49.174	ug/L	99
50) 1,2-Dibromoethane	8.922	107	105286	50.472	ug/L	98
51) Chlorobenzene	9.443	112	260887	49.958	ug/L	95
52) Ethylbenzene	9.568	91	438089	51.923	ug/L	100
53) m,p-Xylene	9.690	106	170211	51.582	ug/L	97
54) o-xylene	10.099	106	168716	51.714	ug/L	99
55) Styrene	10.111	104	282189	53.103	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	143442	52.398	ug/L	97
59) Bromoform	10.288	173	67497	46.636	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	114966	56.074	ug/L	97
61) Isopropylbenzene	10.481	105	444764	53.202	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	373124	53.691	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	371641	53.994	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	209997	48.073	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	216638	48.660	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	209337	48.083	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	30026	54.936	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	145886	45.099	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	138892	46.311	ug/L	99
71) Naphthalene	14.082	128	424182	47.253	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	132731	44.309	ug/L	99

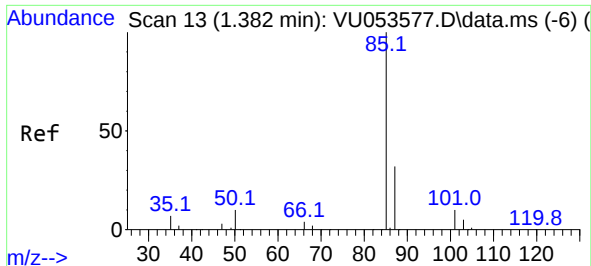
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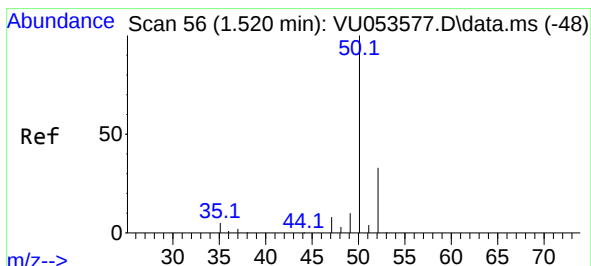
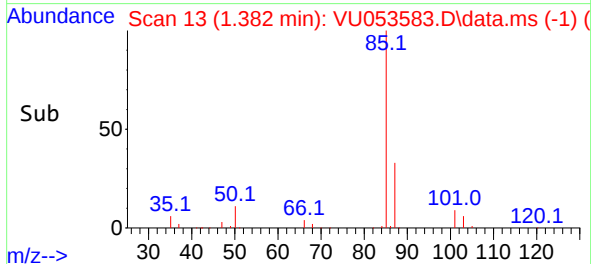
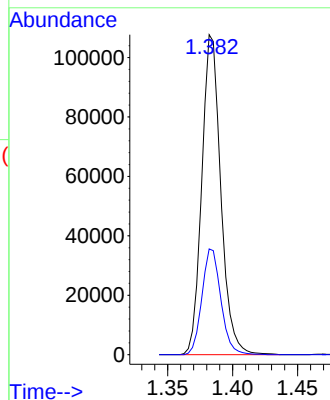
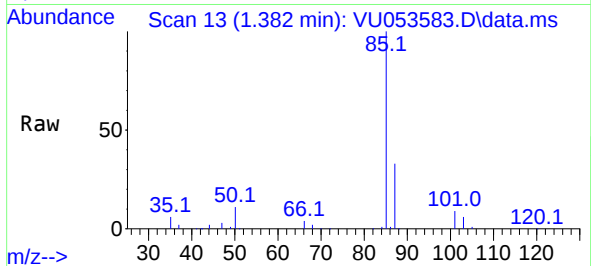




#2
Dichlorodifluoromethane
Concen: 49.820 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

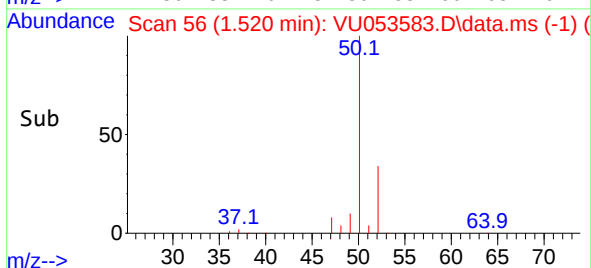
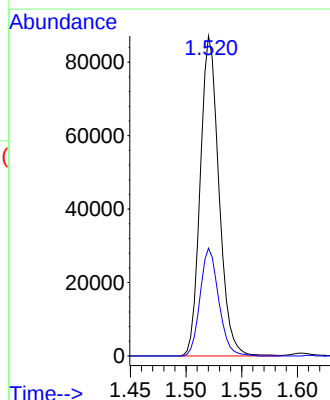
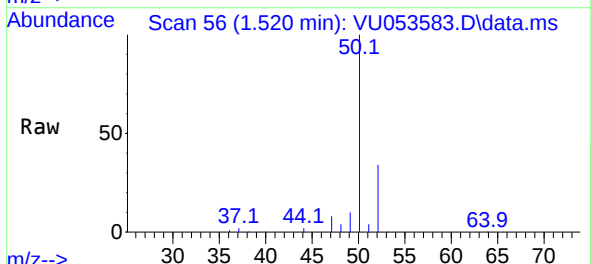
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MSVOA_U
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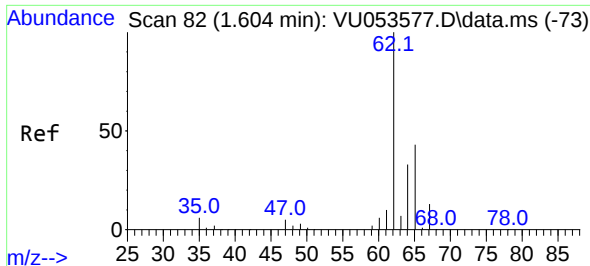
Tgt Ion: 85 Resp: 109997
Ion Ratio Lower Upper
85 100
87 32.9 26.4 39.6



#3
Chloromethane
Concen: 55.938 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 50 Resp: 101487
Ion Ratio Lower Upper
50 100
52 33.7 22.7 42.1

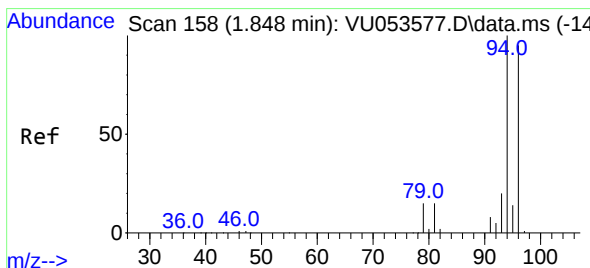
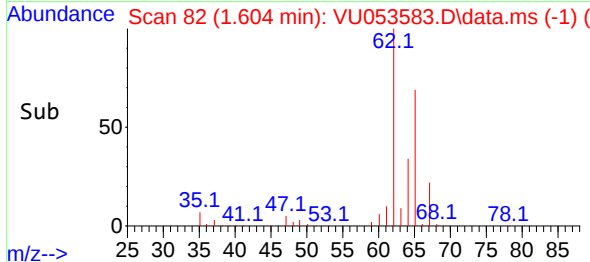
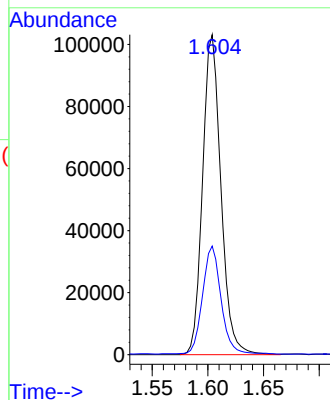
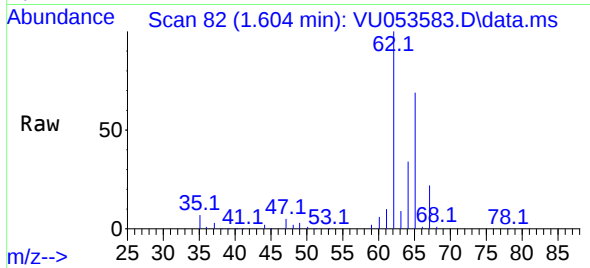




#5
 Vinyl chloride
 Concen: 56.148 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053583.D
 Acq: 05 Apr 2023 16:43

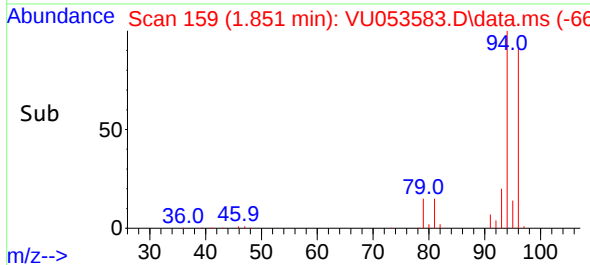
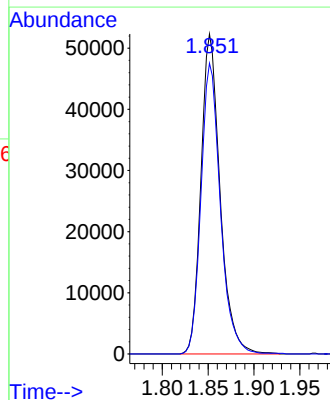
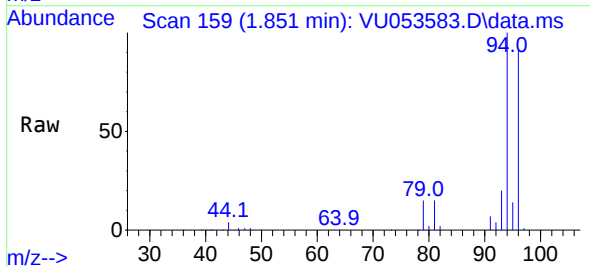
Instrument :
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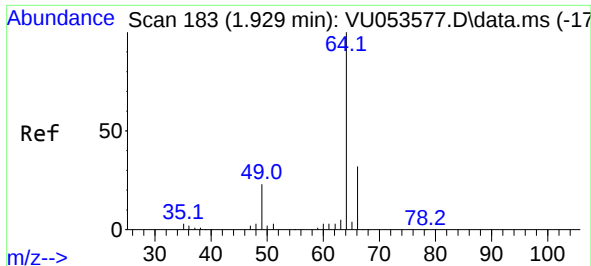
Tgt Ion: 62 Resp: 118056
 Ion Ratio Lower Upper
 62 100
 64 34.0 23.2 43.0



#6
 Bromomethane
 Concen: 49.645 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VU053583.D
 Acq: 05 Apr 2023 16:43

Tgt Ion: 94 Resp: 75951
 Ion Ratio Lower Upper
 94 100
 96 90.8 64.4 119.6

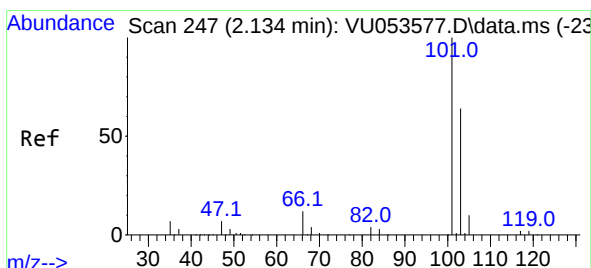
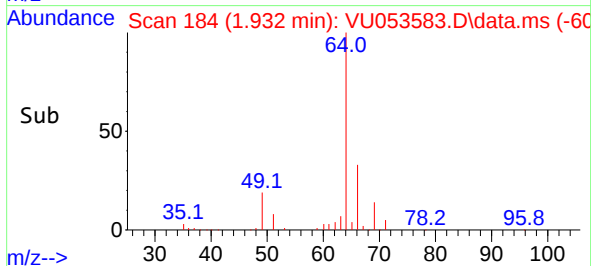
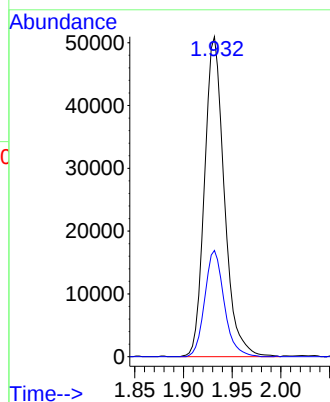
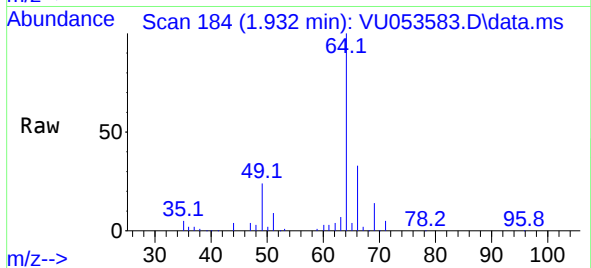




#8
Chloroethane
Concen: 56.847 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

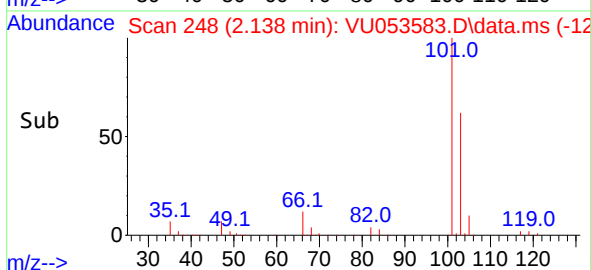
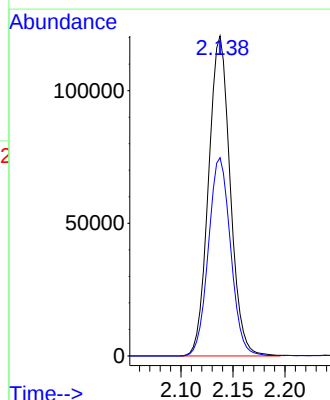
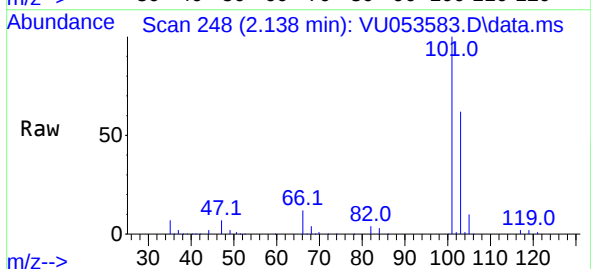
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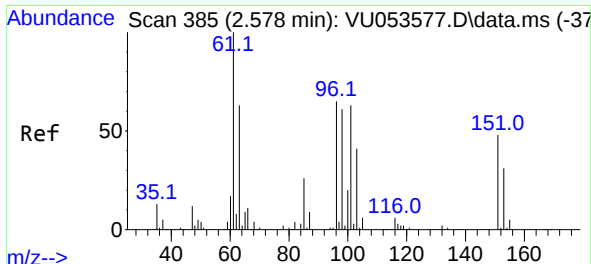
Tgt Ion: 64 Resp: 71889
Ion Ratio Lower Upper
64 100
66 33.2 21.8 40.6



#9
Trichlorofluoromethane
Concen: 54.109 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion:101 Resp: 174989
Ion Ratio Lower Upper
101 100
103 63.3 52.5 78.7

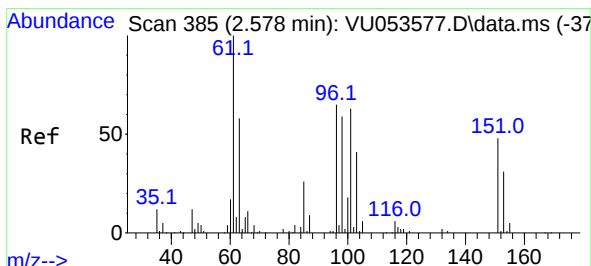
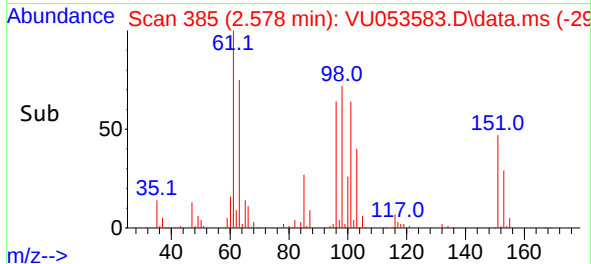
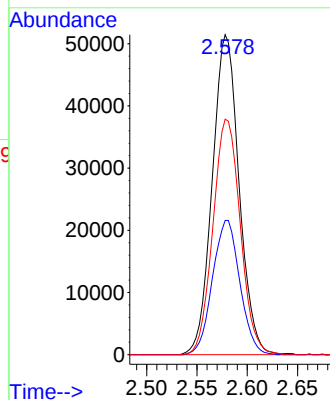
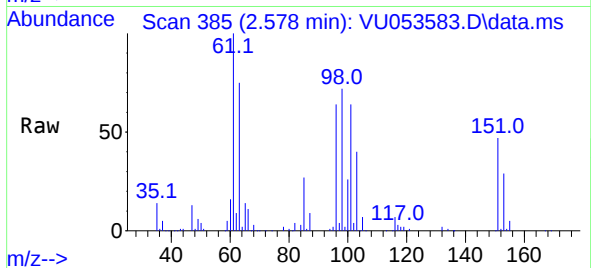




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.885 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053583.D
 Acq: 05 Apr 2023 16:43

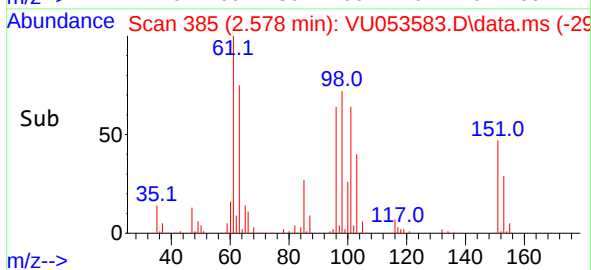
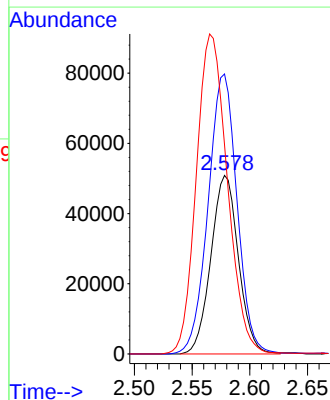
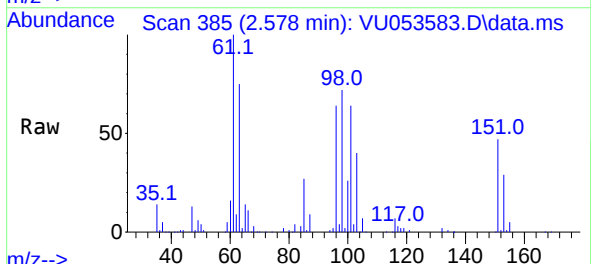
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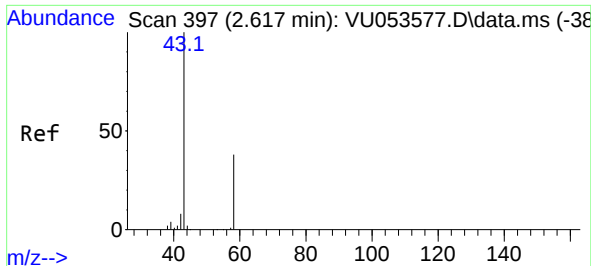
Tgt Ion:101 Resp: 95305
 Ion Ratio Lower Upper
 101 100
 85 42.9 32.6 48.8
 151 75.3 65.8 98.6



#12
 1,1-Dichloroethene
 Concen: 50.474 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU053583.D
 Acq: 05 Apr 2023 16:43

Tgt Ion: 96 Resp: 84251
 Ion Ratio Lower Upper
 96 100
 61 156.8 107.9 200.5
 63 117.2 79.1 146.9





#13

Acetone

Concen: 99.939 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

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MSVOA_U

ClientSampleId :

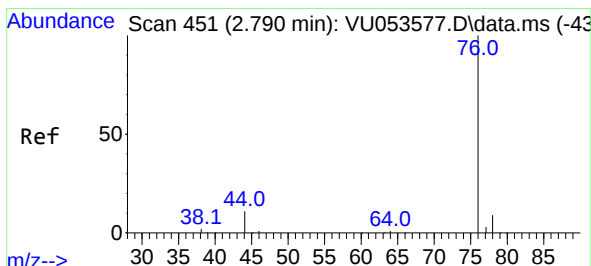
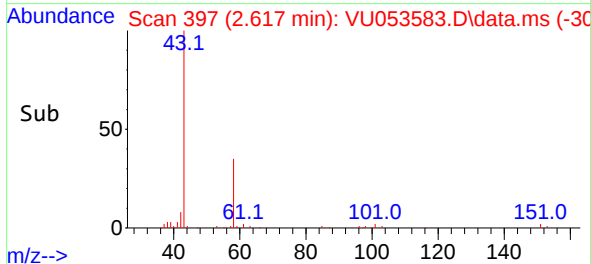
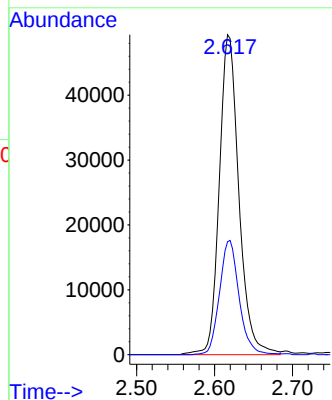
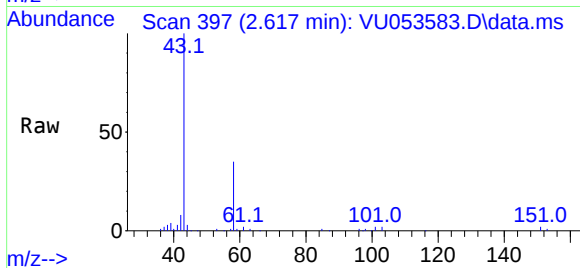
VSTD050186

Tgt Ion: 43 Resp: 86135

Ion Ratio Lower Upper

43 100

58 35.7 0.0 70.2



#14

Carbon disulfide

Concen: 51.265 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

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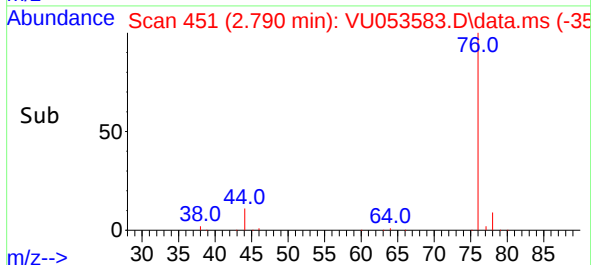
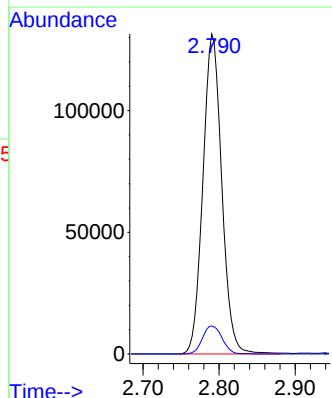
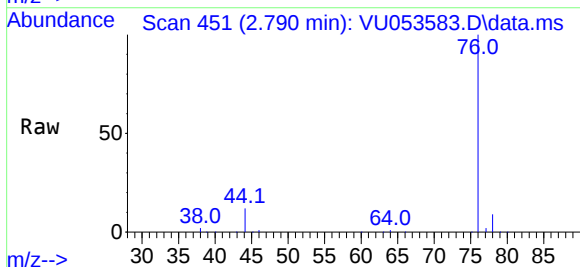
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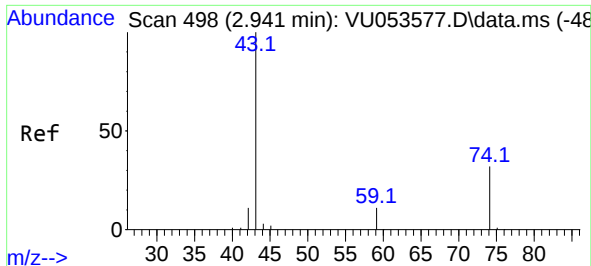
Tgt Ion: 76 Resp: 226359

Ion Ratio Lower Upper

76 100

78 8.7 8.2 12.2

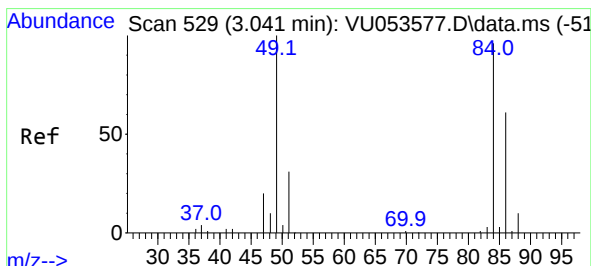
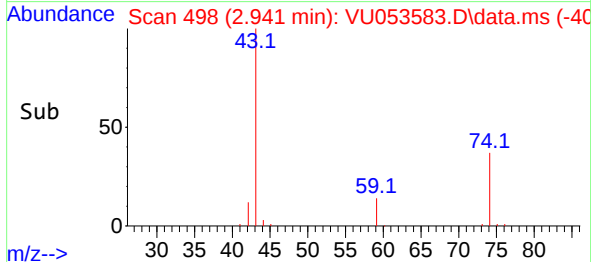
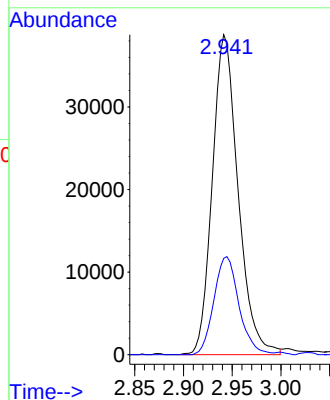
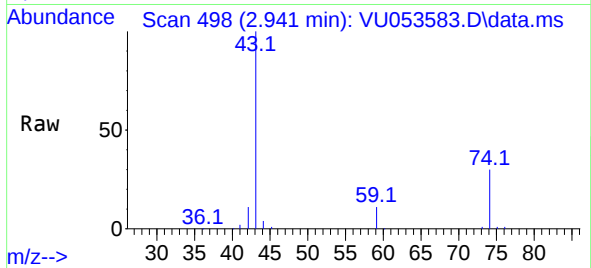




#15
Methyl Acetate
Concen: 53.960 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

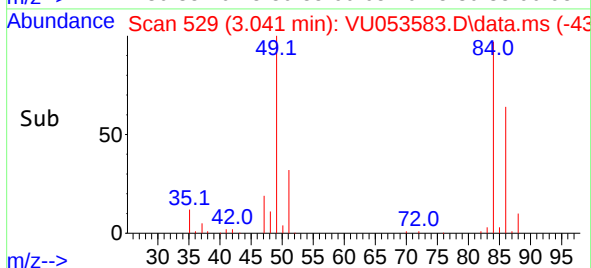
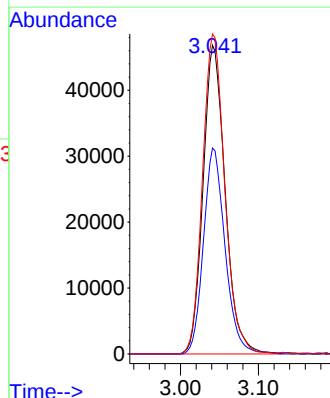
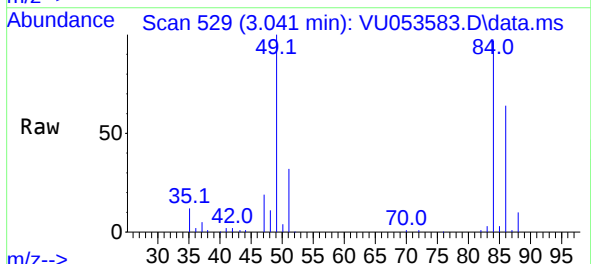
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

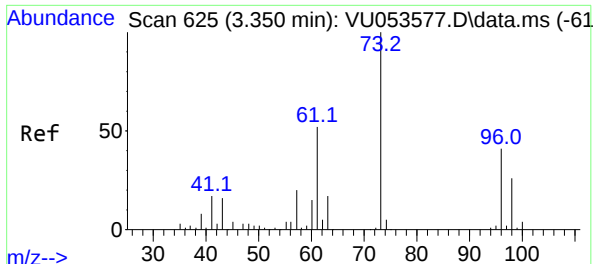
Tgt Ion: 43 Resp: 71234
Ion Ratio Lower Upper
43 100
74 29.8 22.0 33.0



#16
Methylene chloride
Concen: 49.171 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 84 Resp: 92252
Ion Ratio Lower Upper
84 100
86 66.7 43.5 80.9
49 103.6 69.7 129.5

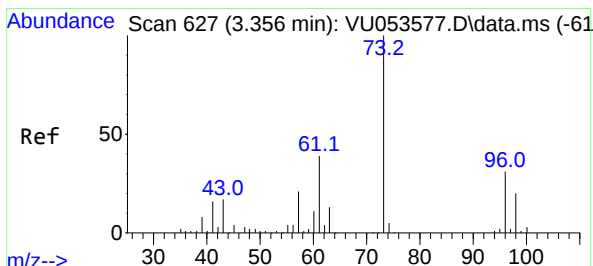
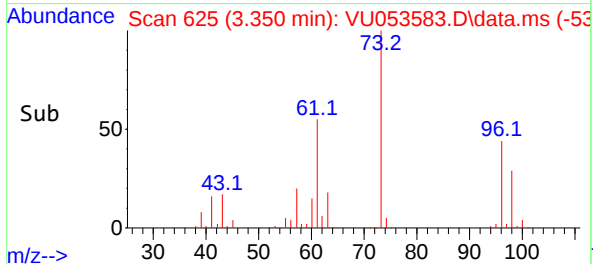
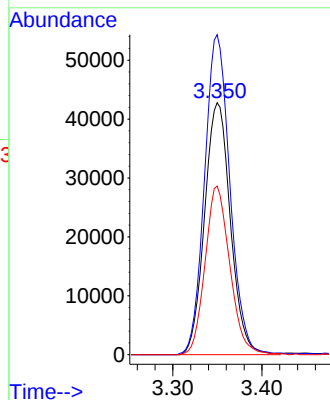
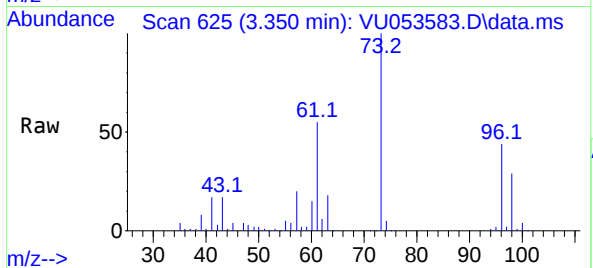




#17
trans-1,2-Dichloroethene
Concen: 51.418 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

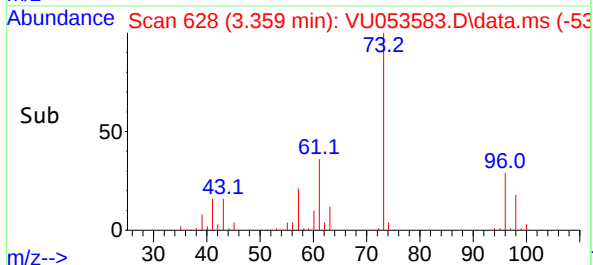
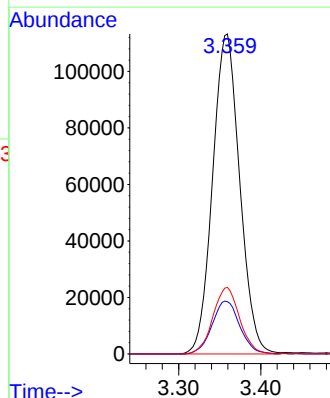
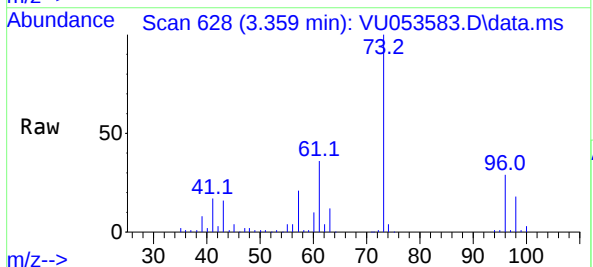
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

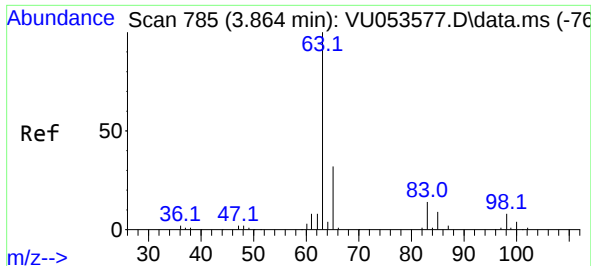
Tgt Ion: 96 Resp: 86256
Ion Ratio Lower Upper
96 100
61 127.0 84.4 156.8
98 66.9 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 53.171 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 73 Resp: 259987
Ion Ratio Lower Upper
73 100
43 16.9 13.8 20.8
57 20.6 15.9 23.9

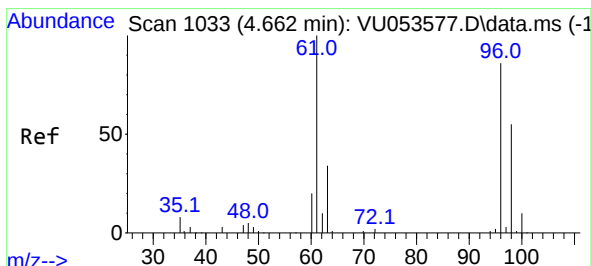
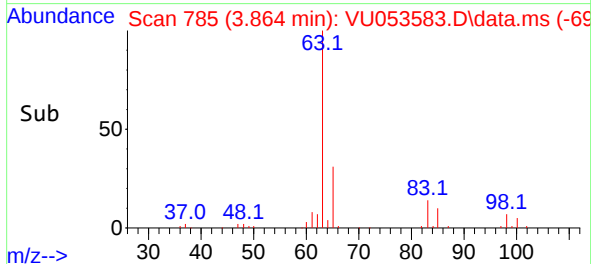
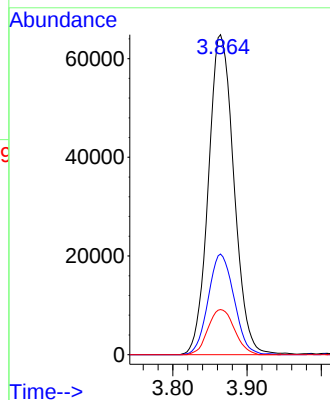
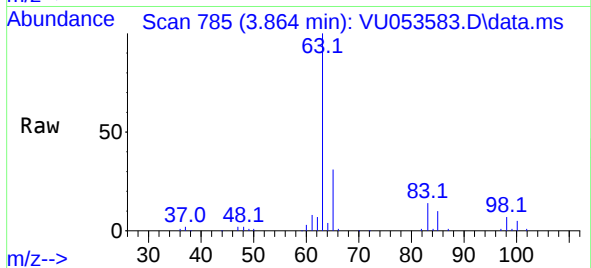




#19
1,1-Dichloroethane
Concen: 55.697 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

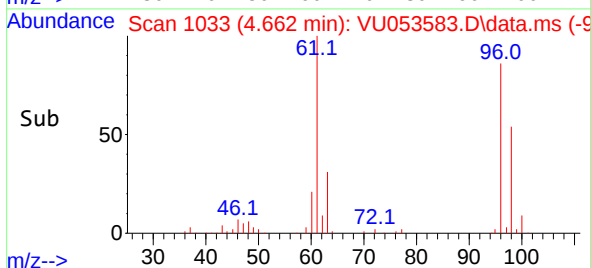
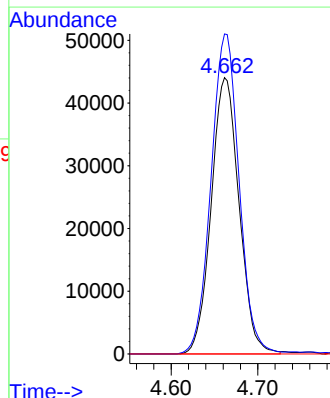
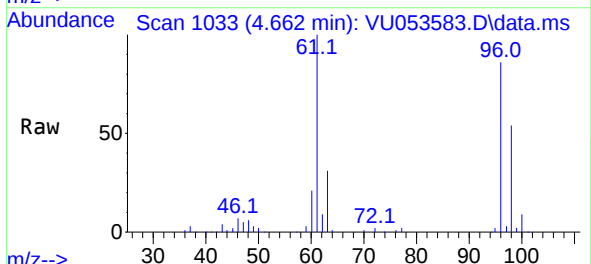
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

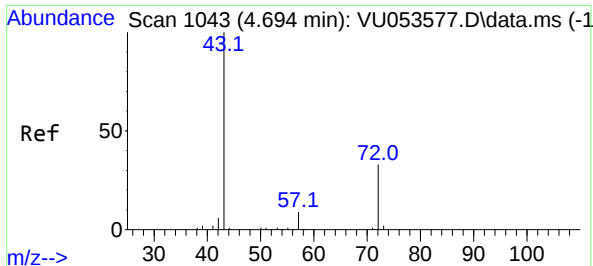
Tgt Ion: 63 Resp: 154774
Ion Ratio Lower Upper
63 100
65 31.4 22.0 41.0
83 14.1 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 50.792 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 96 Resp: 98416
Ion Ratio Lower Upper
96 100
61 115.8 74.7 138.7
68 0.0 0.0 0.0

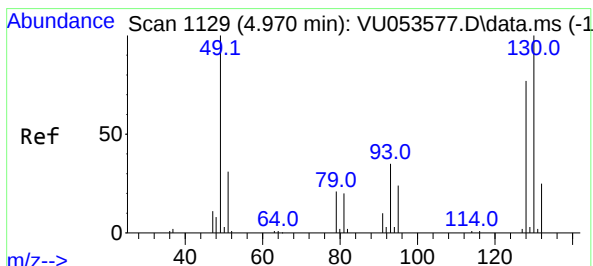
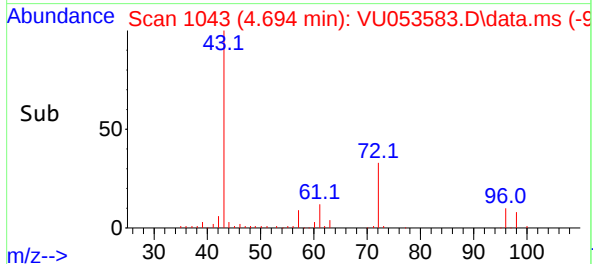
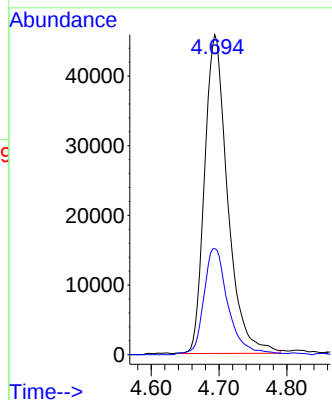
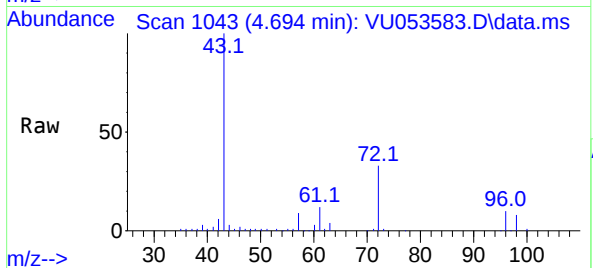




#22
2-Butanone
Concen: 103.644 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

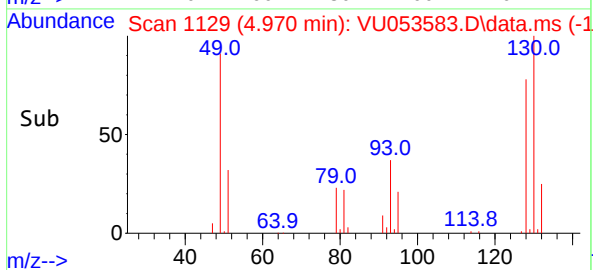
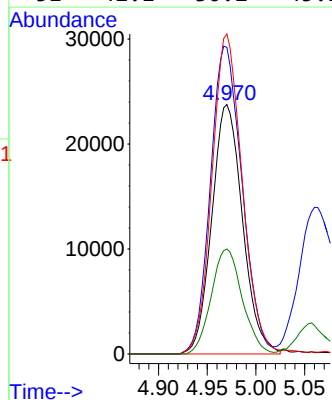
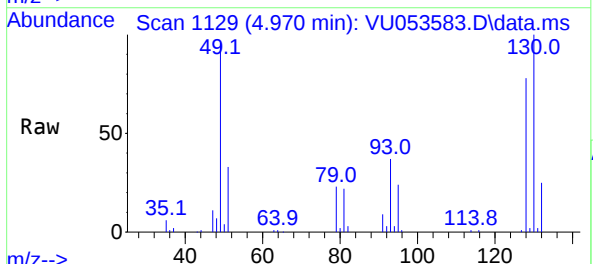
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

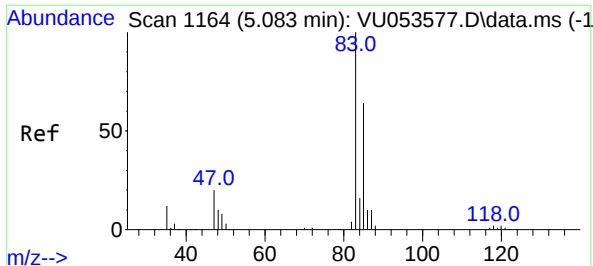
Tgt Ion: 43 Resp: 108221
Ion Ratio Lower Upper
43 100
72 32.5 15.8 47.3



#23
Bromochloromethane
Concen: 48.287 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion:128 Resp: 52116
Ion Ratio Lower Upper
128 100
49 122.9 81.5 151.3
130 128.3 91.8 170.4
51 42.1 30.2 45.2





#25

Chloroform

Concen: 52.436 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

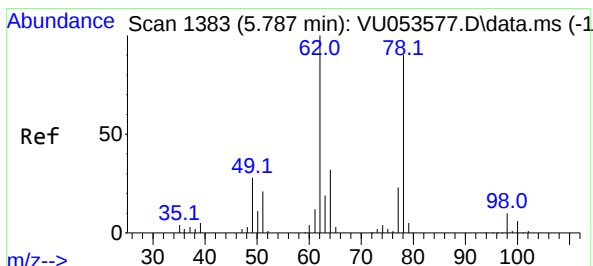
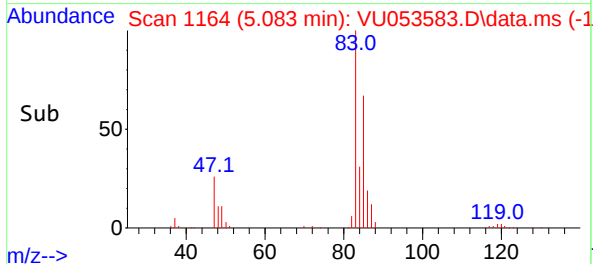
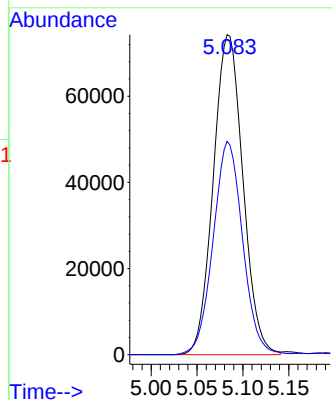
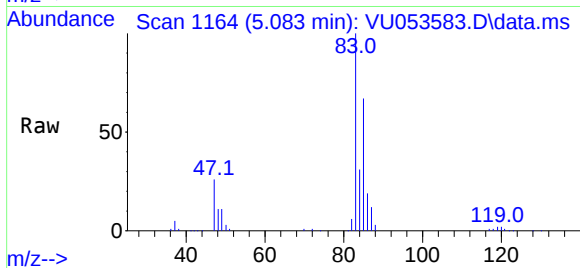
VSTD050186

Tgt Ion: 83 Resp: 167126

Ion Ratio Lower Upper

83 100

85 66.6 46.1 85.5



#27

1,2-Dichloroethane

Concen: 53.853 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VU053583.D

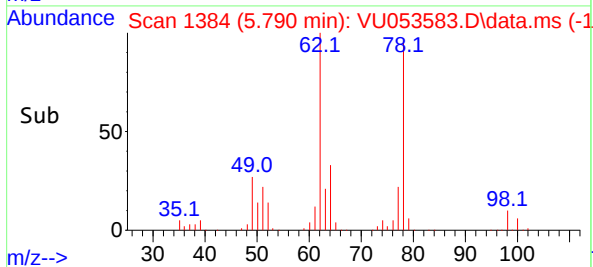
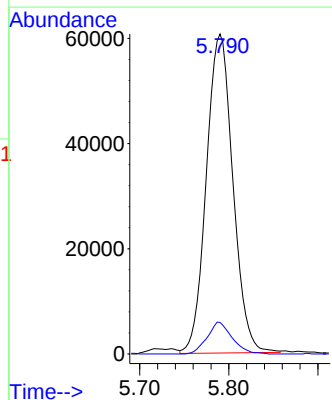
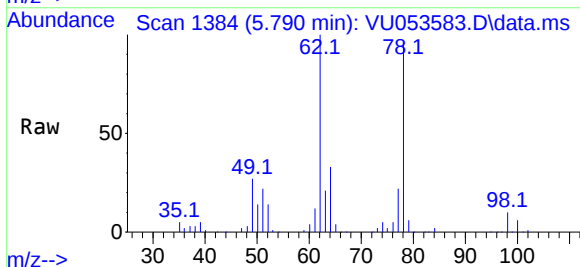
Acq: 05 Apr 2023 16:43

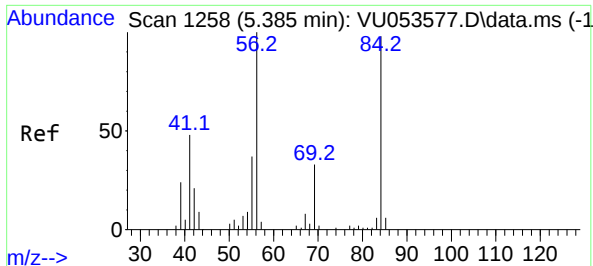
Tgt Ion: 62 Resp: 125702

Ion Ratio Lower Upper

62 100

98 9.9 8.3 12.5





#29

Cyclohexane

Concen: 54.363 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050186

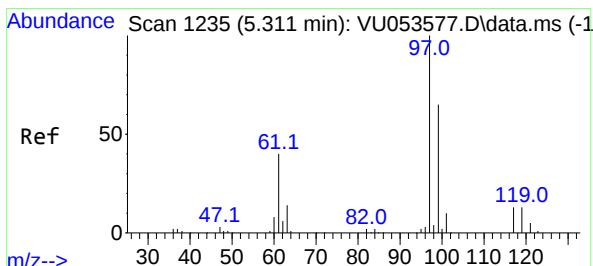
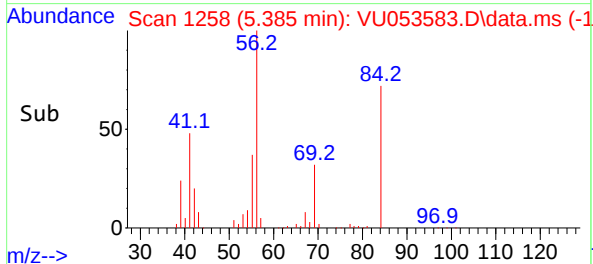
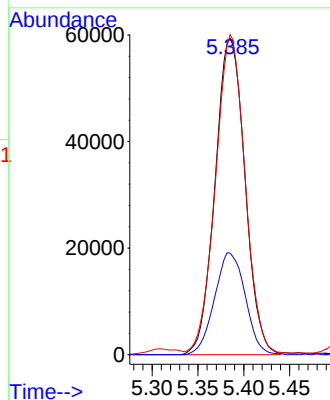
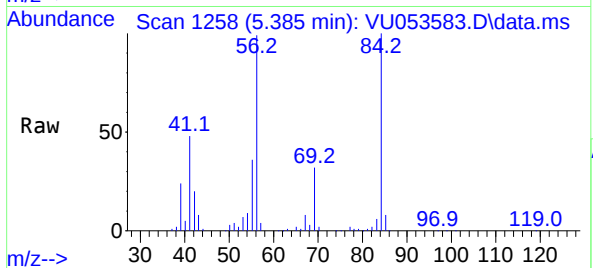
Tgt Ion: 56 Resp: 134343

Ion Ratio Lower Upper

56 100

69 33.2 27.3 40.9

84 99.0 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 51.216 ug/L

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

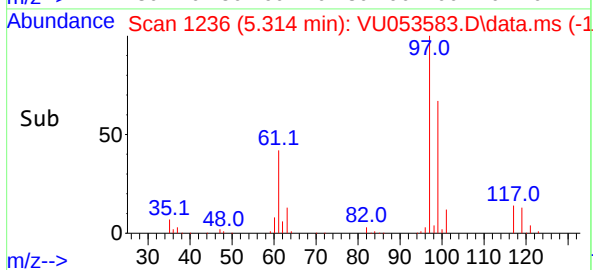
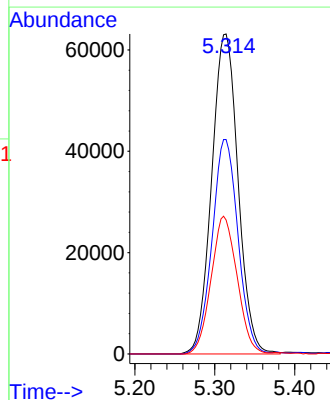
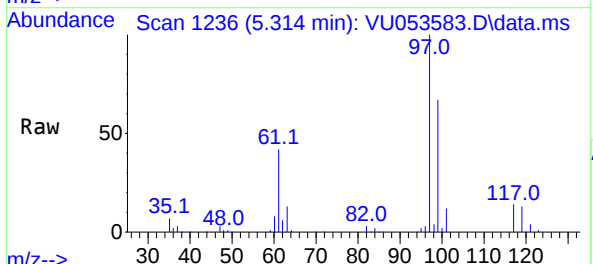
Tgt Ion: 97 Resp: 144866

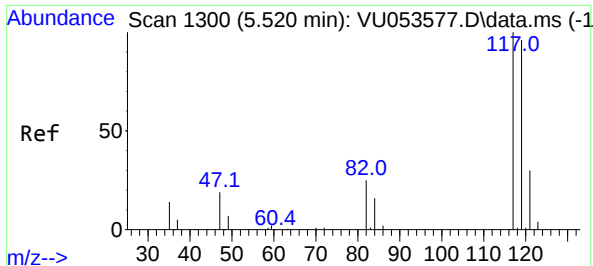
Ion Ratio Lower Upper

97 100

99 66.0 51.6 77.4

61 42.3 31.0 46.4

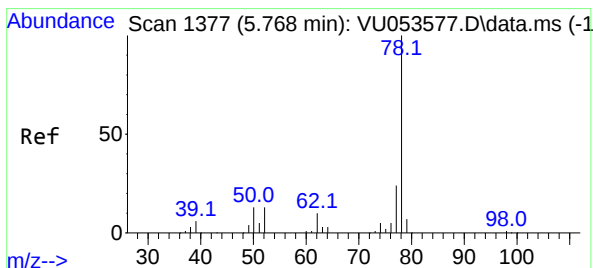
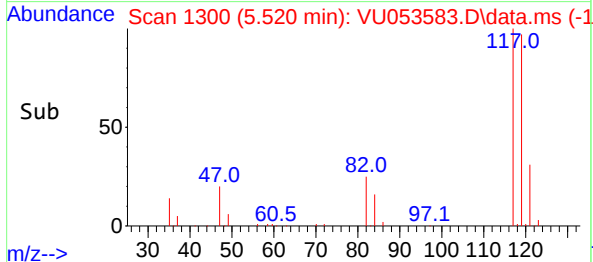
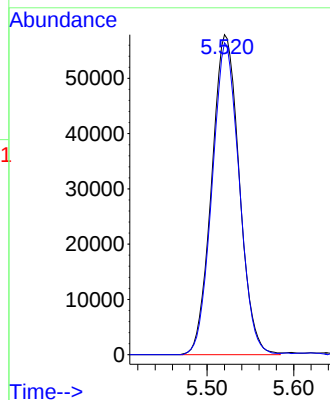
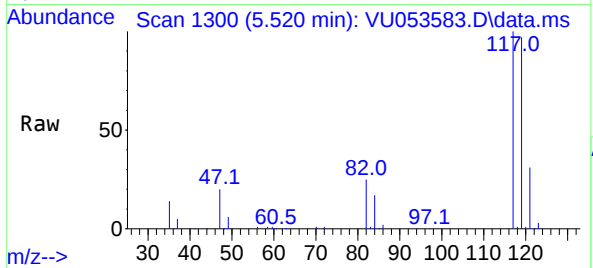




#31
Carbon tetrachloride
Concen: 50.590 ug/L
RT: 5.520 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

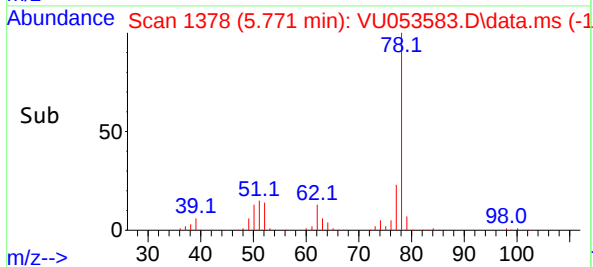
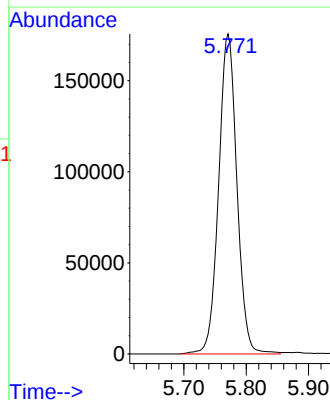
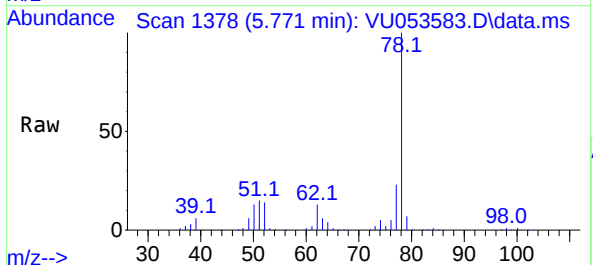
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

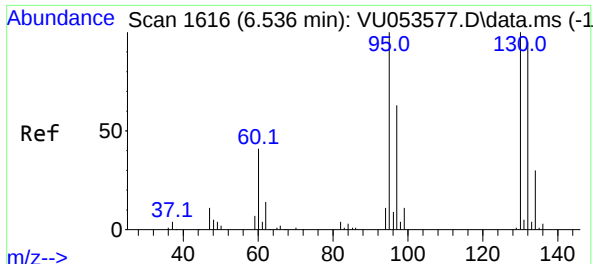
Tgt Ion:117 Resp: 128206
Ion Ratio Lower Upper
117 100
119 95.6 76.9 115.3



#33
Benzene
Concen: 53.465 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 78 Resp: 357584



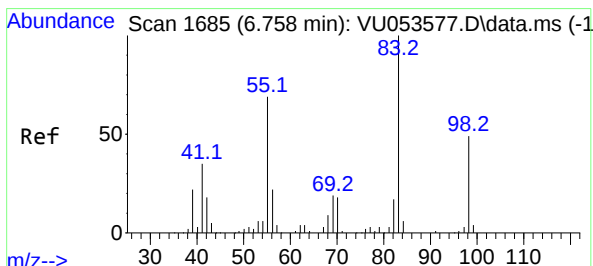
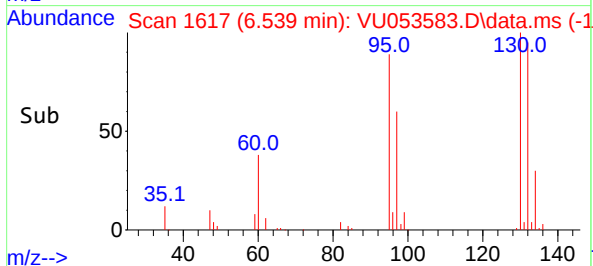
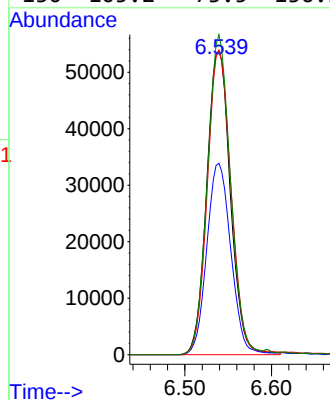
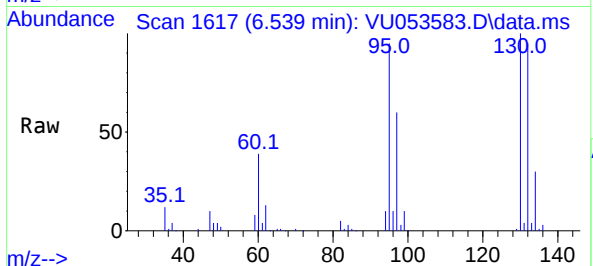


#34
Trichloroethene
Concen: 50.557 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

Tgt Ion: 95 Resp: 102268

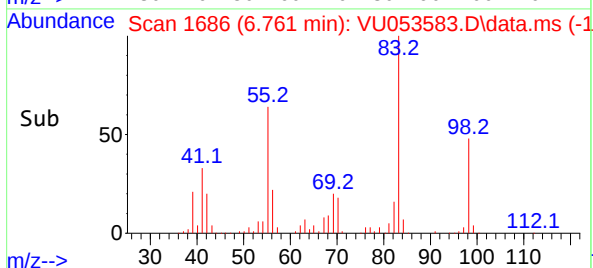
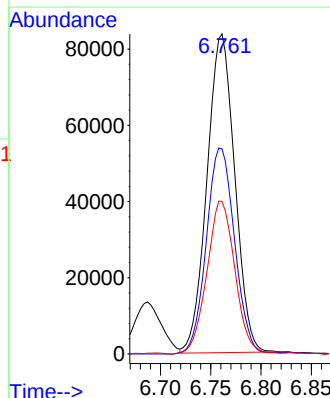
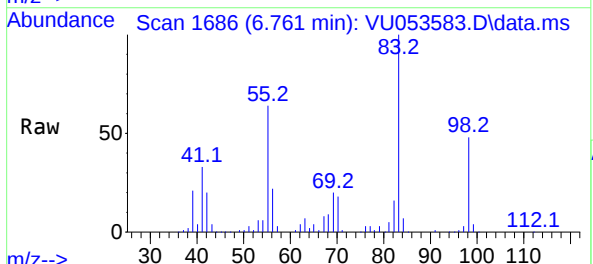
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.1	83.7
132	100.0	74.1	137.5
130	105.2	73.5	136.5

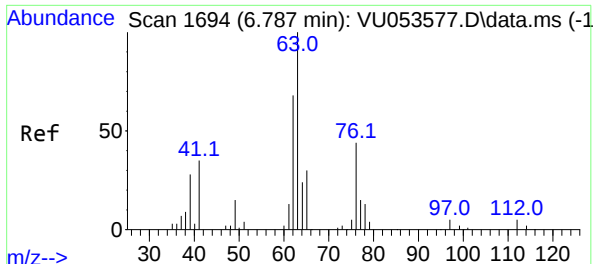


#35
Methylcyclohexane
Concen: 53.996 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 83 Resp: 160553

Ion	Ratio	Lower	Upper
83	100		
55	65.8	53.0	79.6
98	48.3	39.0	58.6

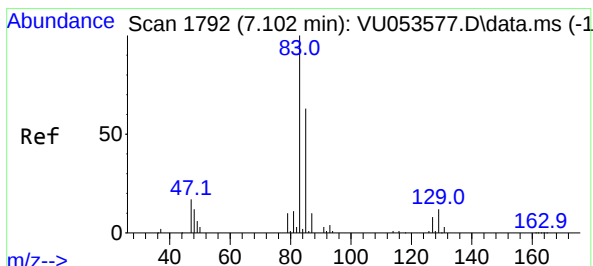
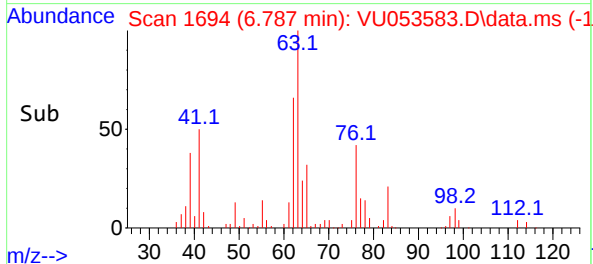
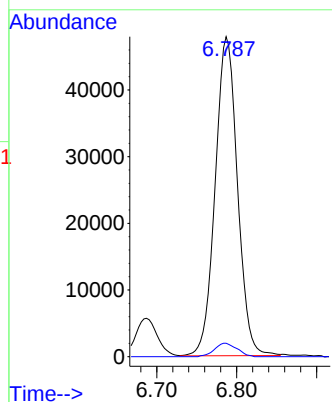
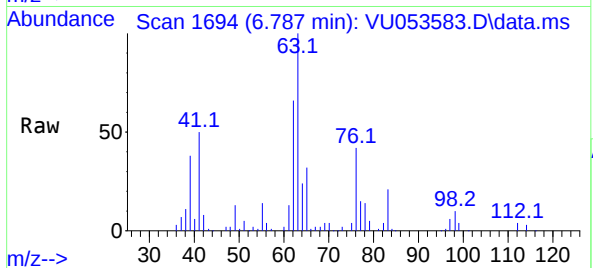




#37
1,2-Dichloropropane
Concen: 54.447 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

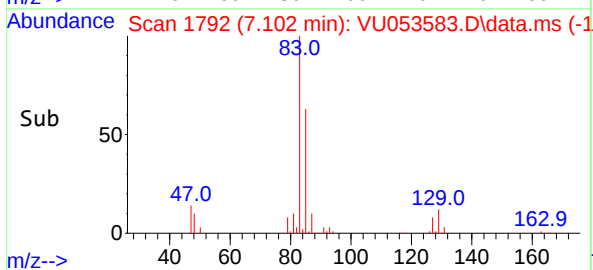
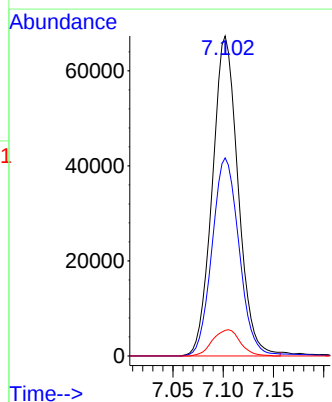
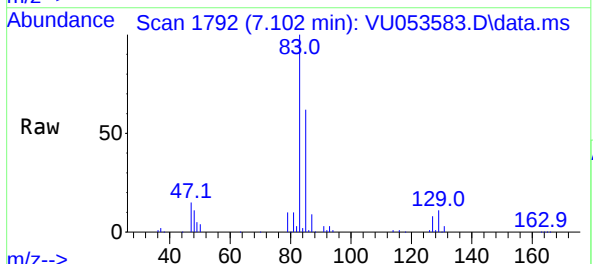
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

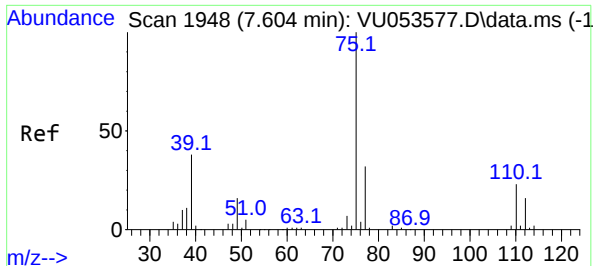
Tgt Ion: 63 Resp: 92463
Ion Ratio Lower Upper
63 100
112 4.3 3.8 5.6



#38
Bromodichloromethane
Concen: 53.099 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 83 Resp: 120296
Ion Ratio Lower Upper
83 100
85 61.9 44.4 82.5
127 8.0 8.0 12.0

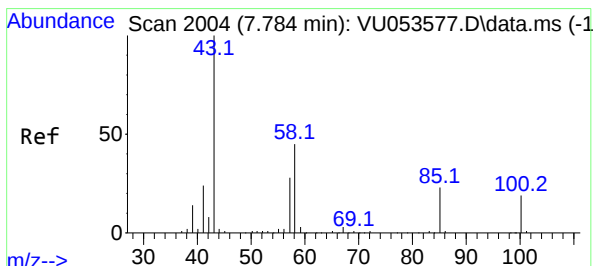
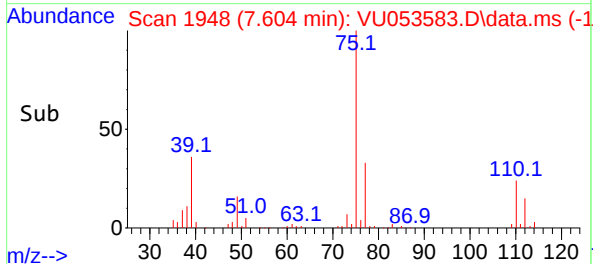
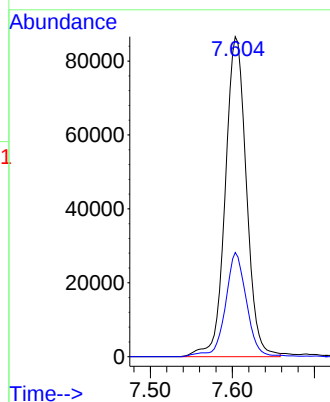
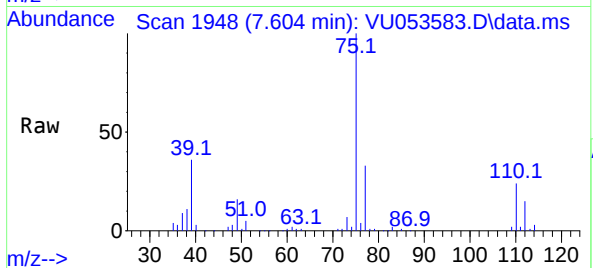




#39
 cis-1,3-Dichloropropene
 Concen: 55.991 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.003 min
 Lab File: VU053583.D
 Acq: 05 Apr 2023 16:43

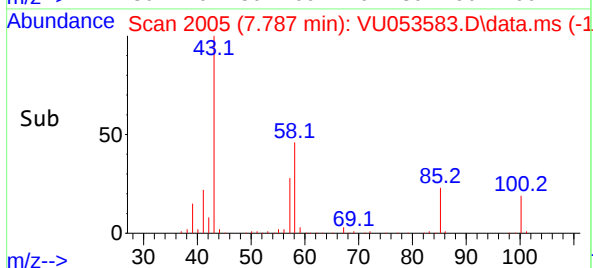
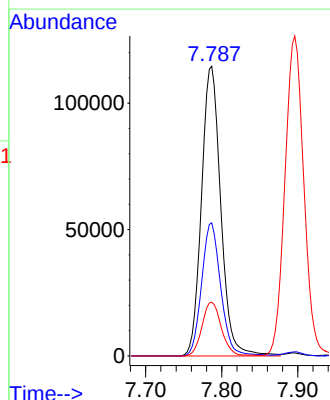
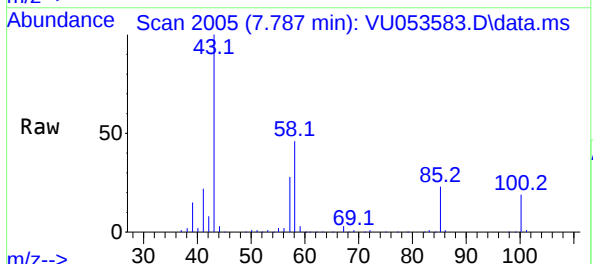
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050186

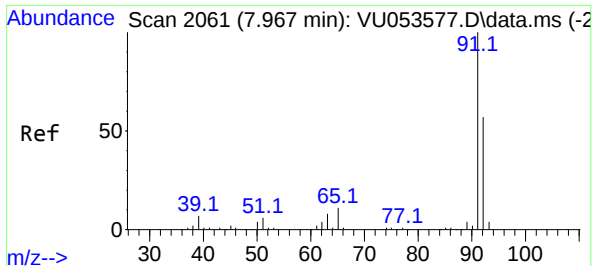
Tgt Ion: 75 Resp: 155383
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 109.542 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. 0.003 min
 Lab File: VU053583.D
 Acq: 05 Apr 2023 16:43

Tgt Ion: 43 Resp: 202155
 Ion Ratio Lower Upper
 43 100
 58 45.2 35.5 53.3
 100 18.6 15.8 23.8





#42

Toluene

Concen: 52.603 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

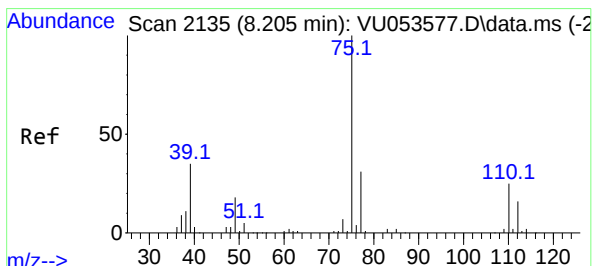
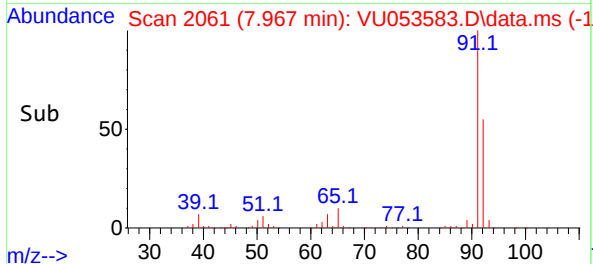
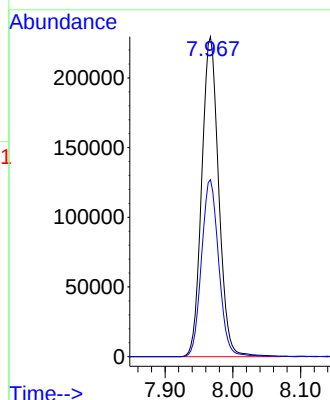
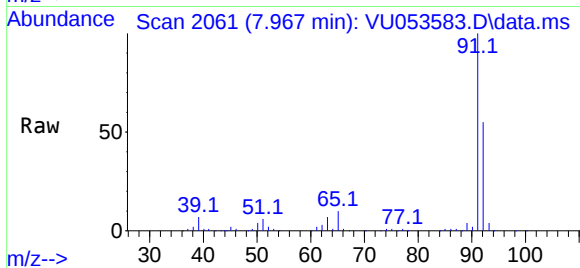
VSTD050186

Tgt Ion: 91 Resp: 398692

Ion Ratio Lower Upper

91 100

92 55.3 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 54.930 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VU053583.D

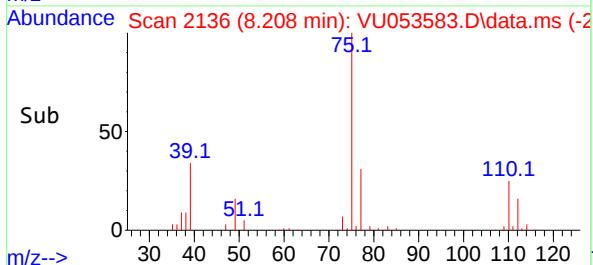
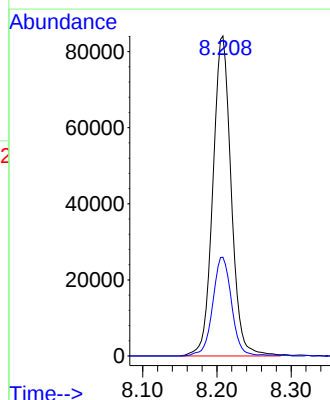
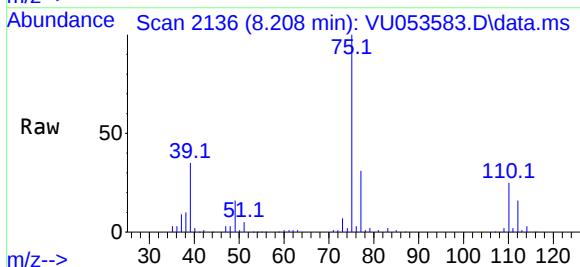
Acq: 05 Apr 2023 16:43

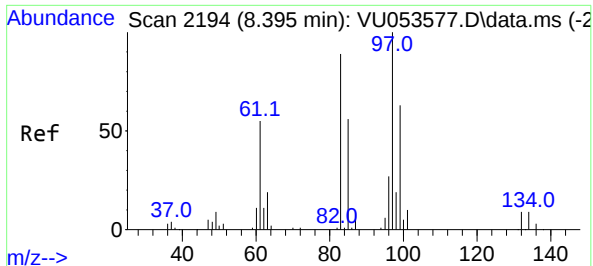
Tgt Ion: 75 Resp: 144106

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.4



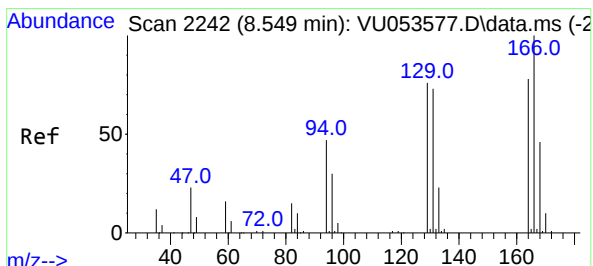
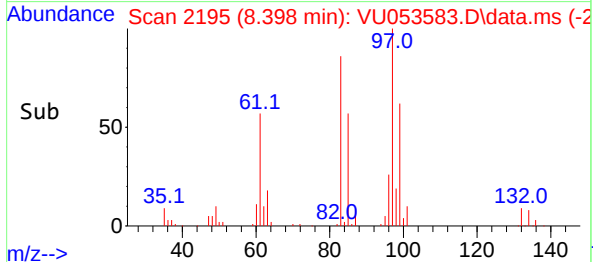
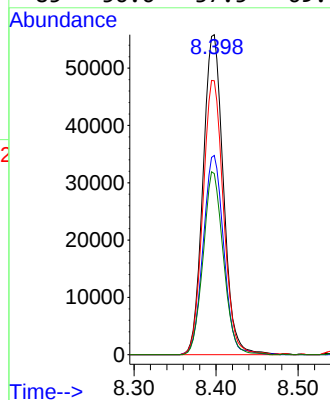
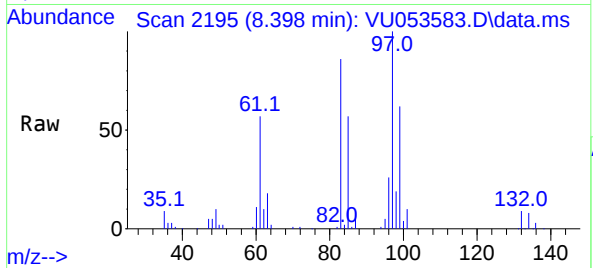


#45
1,1,2-Trichloroethane
Concen: 51.626 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

Tgt Ion: 97 Resp: 96257

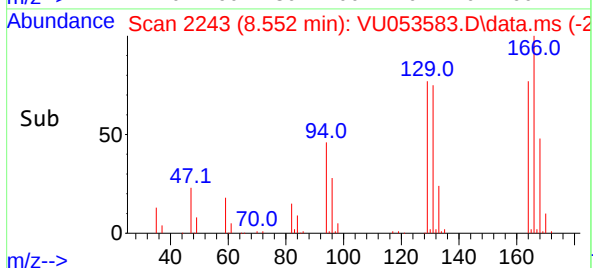
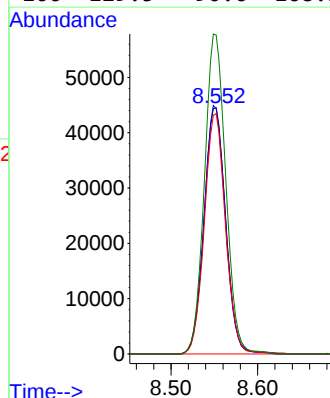
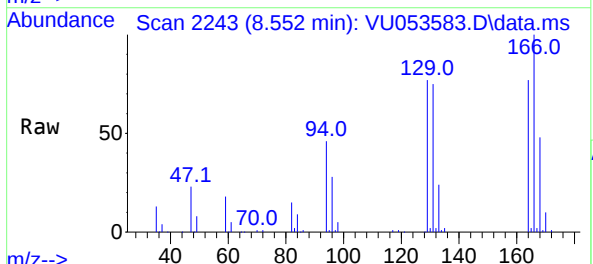
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.3
83	85.6	59.0	109.6
85	56.6	37.5	69.7

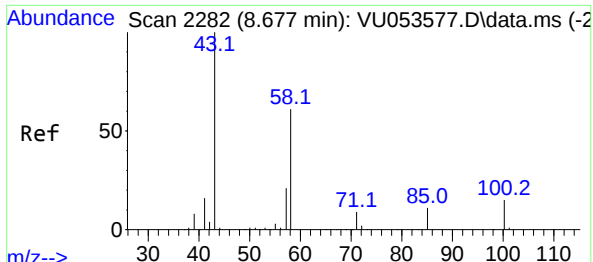


#46
Tetrachloroethene
Concen: 46.146 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 164 Resp: 77462

Ion	Ratio	Lower	Upper
164	100		
129	99.6	64.0	119.0
131	97.6	61.9	115.1
166	129.5	90.6	168.2



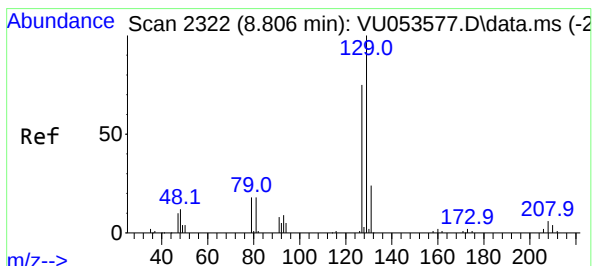
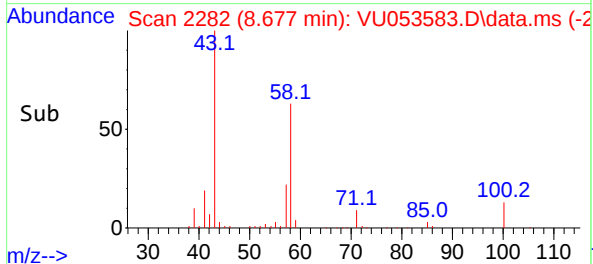
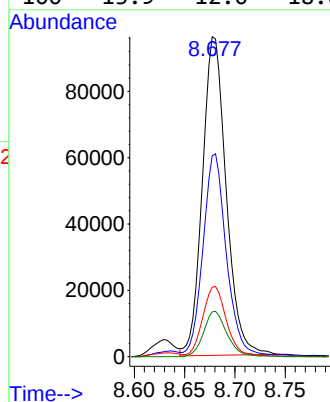
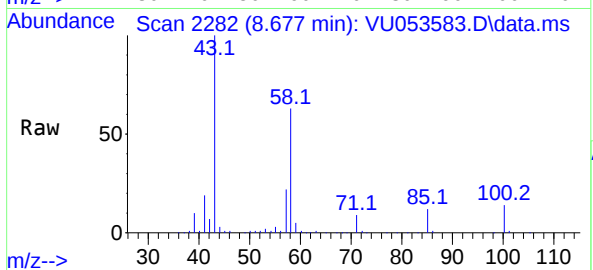


#48
2-Hexanone
Concen: 106.050 ug/L
RT: 8.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

Tgt Ion: 43 Resp: 158313

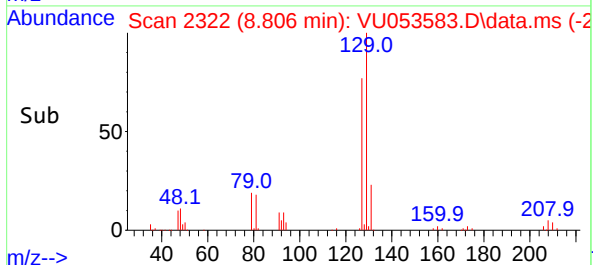
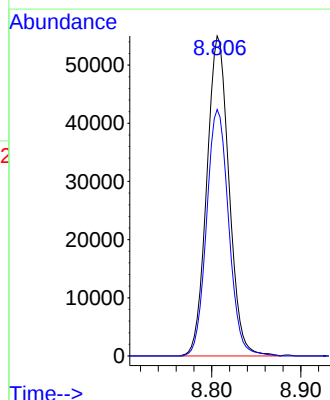
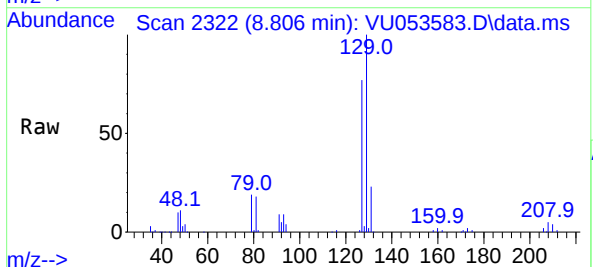
Ion	Ratio	Lower	Upper
43	100		
58	63.1	49.8	74.6
57	22.1	17.8	26.6
100	13.9	12.0	18.0

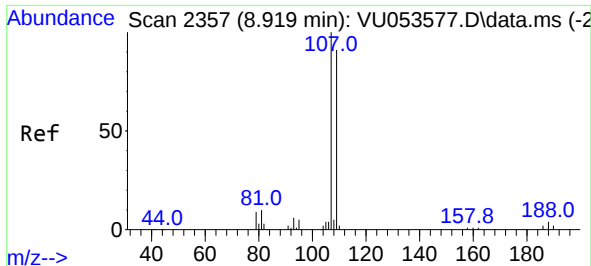


#49
Dibromochloromethane
Concen: 49.174 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 129 Resp: 95335

Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.5	99.3





#50

1,2-Dibromoethane

Concen: 50.472 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050186

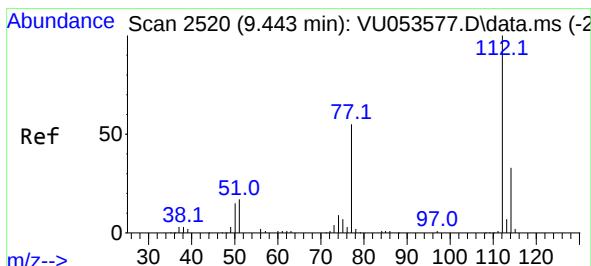
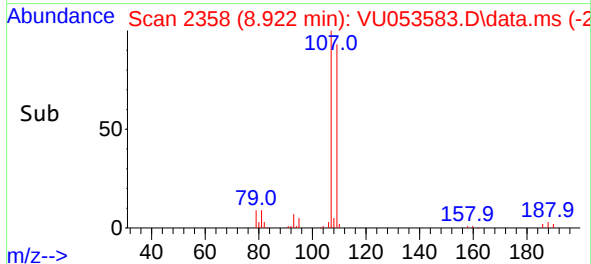
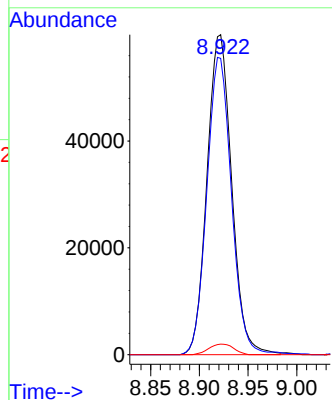
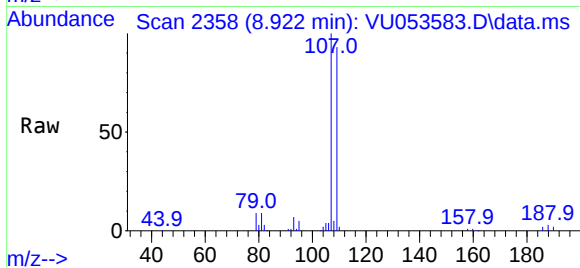
Tgt Ion:107 Resp: 105286

Ion Ratio Lower Upper

107 100

109 92.6 66.3 123.1

188 3.3 3.0 4.4



#51

Chlorobenzene

Concen: 49.958 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

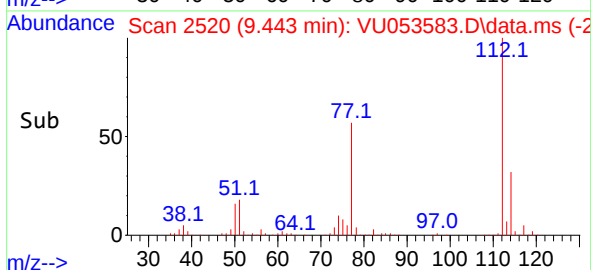
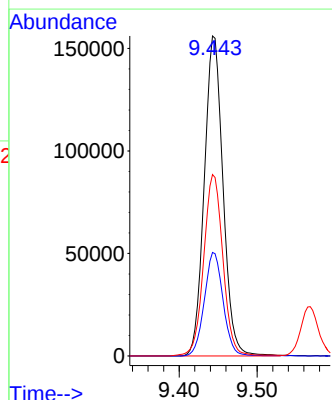
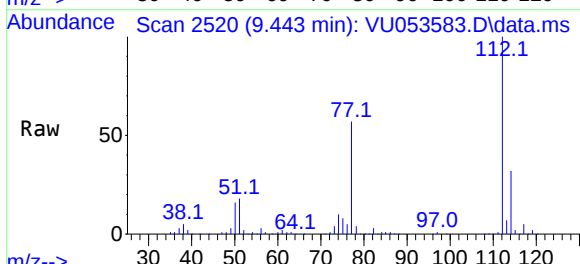
Tgt Ion:112 Resp: 260887

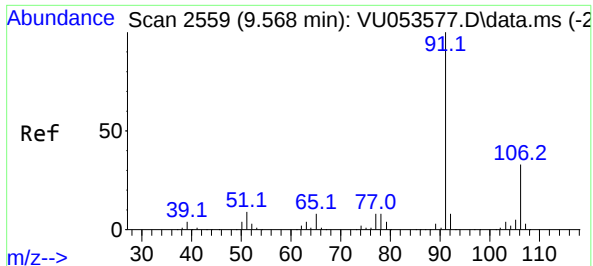
Ion Ratio Lower Upper

112 100

114 32.4 22.2 41.2

77 56.7 41.3 61.9

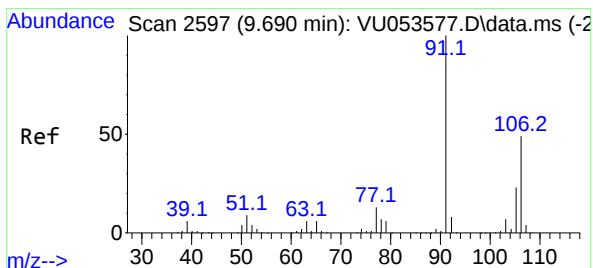
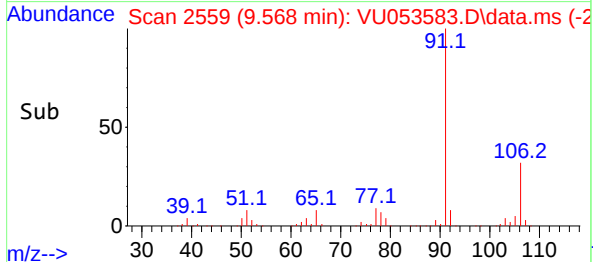
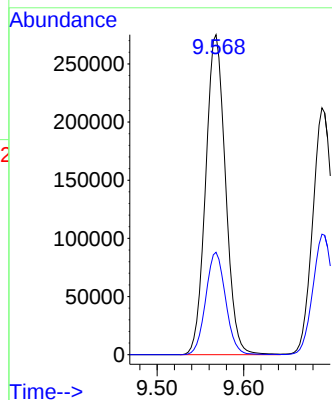
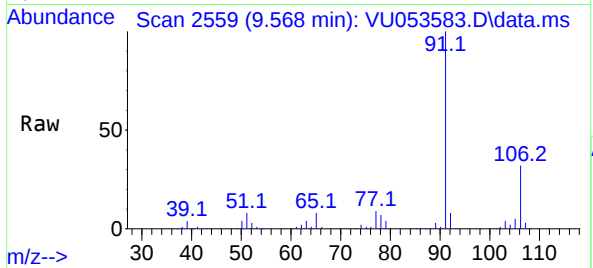




#52
Ethylbenzene
Concen: 51.923 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

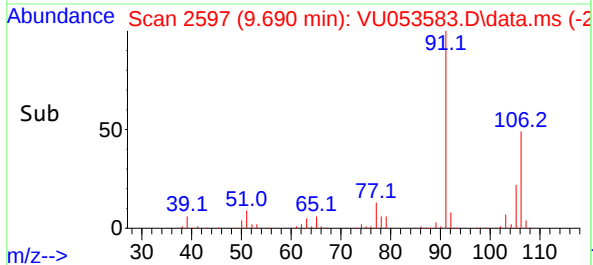
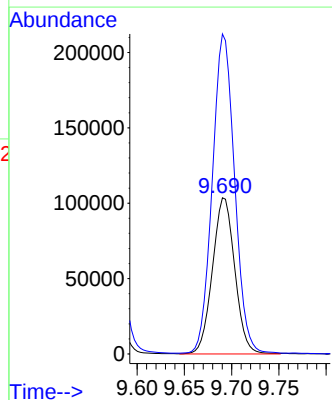
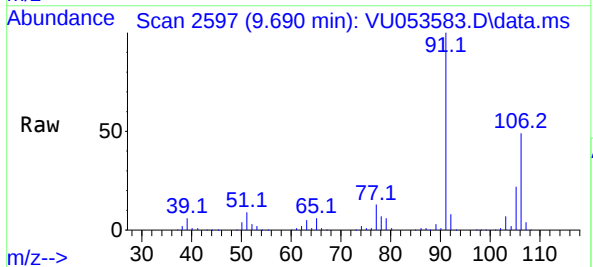
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

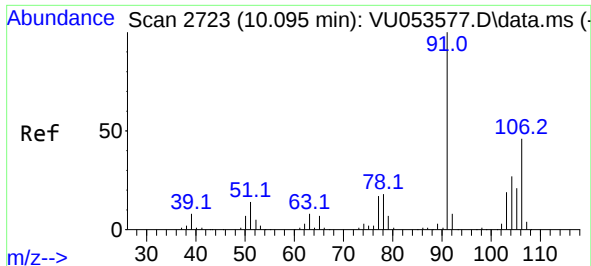
Tgt Ion: 91 Resp: 438089
Ion Ratio Lower Upper
91 100
106 32.0 22.4 41.6



#53
m,p-Xylene
Concen: 51.582 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 106 Resp: 170211
Ion Ratio Lower Upper
106 100
91 204.9 140.0 260.0

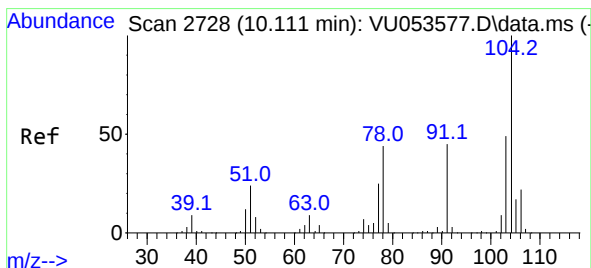
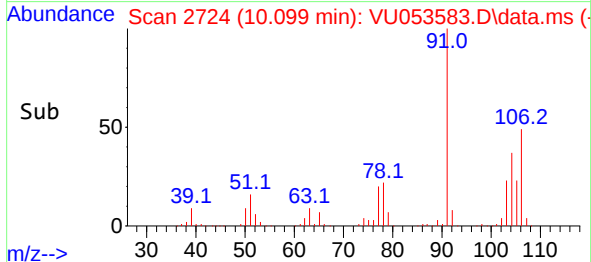
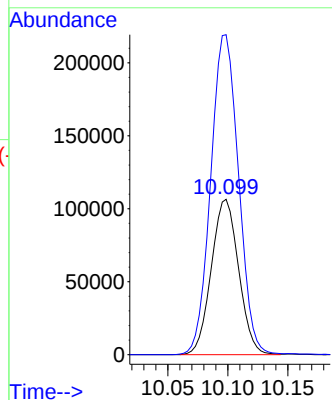
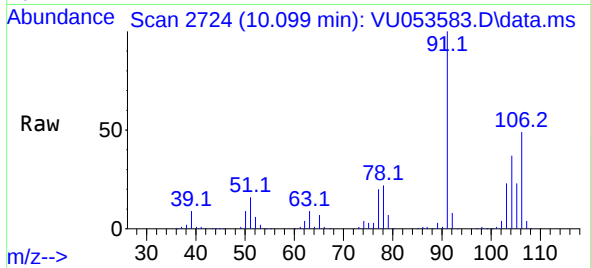




#54
o-xylene
Concen: 51.714 ug/L
RT: 10.099 min Scan# 2723
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

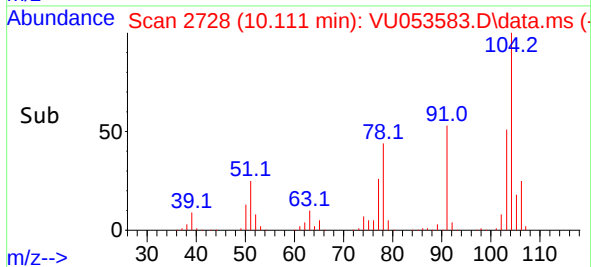
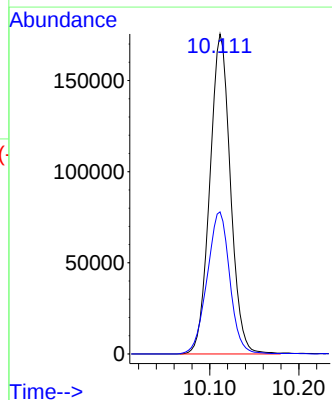
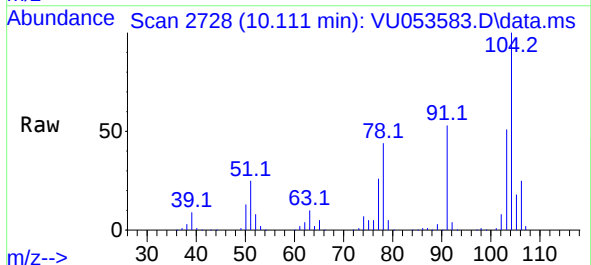
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

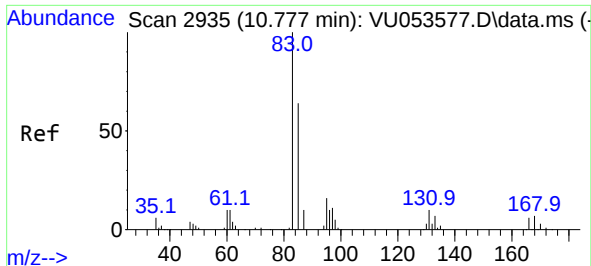
Tgt Ion:106 Resp: 168716
Ion Ratio Lower Upper
106 100
91 205.9 144.9 269.1



#55
Styrene
Concen: 53.103 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion:104 Resp: 282189
Ion Ratio Lower Upper
104 100
78 44.4 31.3 58.1

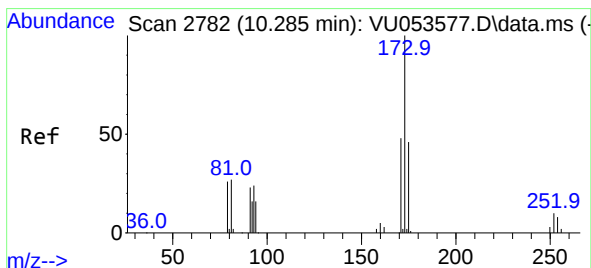
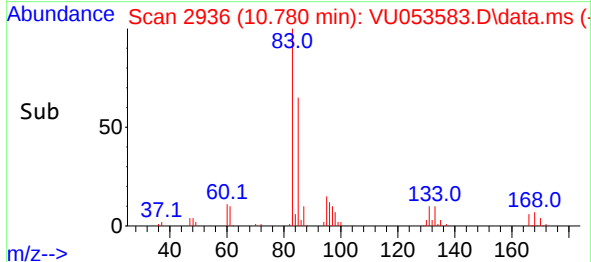
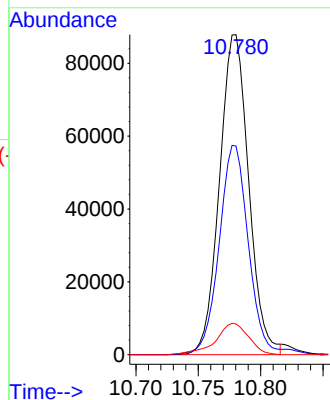
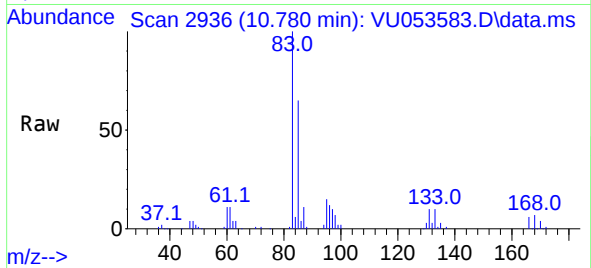




#57
1,1,2,2-Tetrachloroethane
Concen: 52.398 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

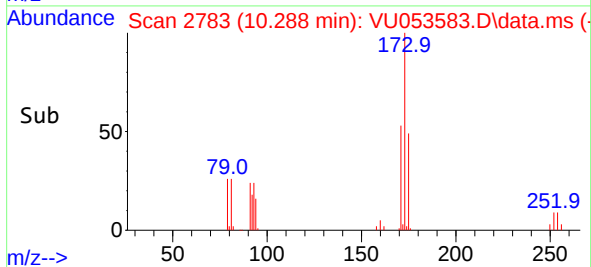
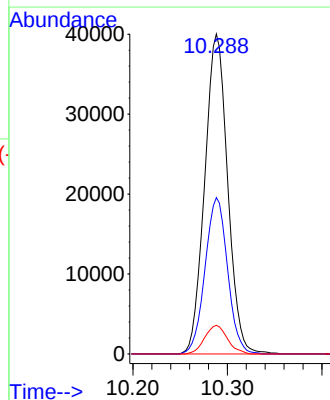
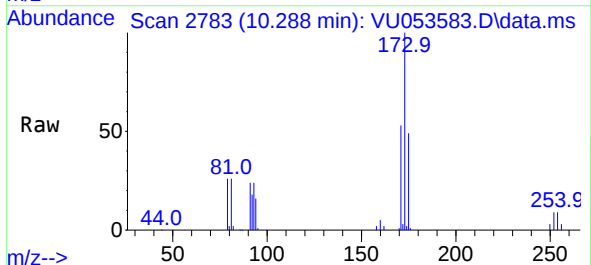
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

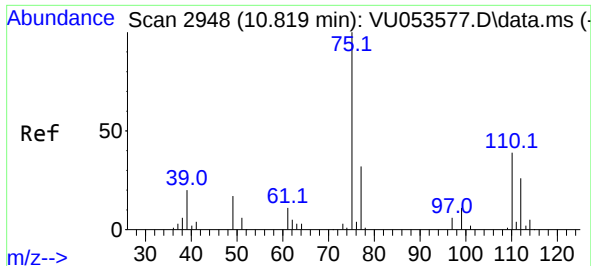
Tgt Ion: 83 Resp: 143442
Ion Ratio Lower Upper
83 100
85 65.2 47.0 87.4
131 9.6 8.7 13.1



#59
Bromoform
Concen: 46.636 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion:173 Resp: 67497
Ion Ratio Lower Upper
173 100
175 47.9 39.0 58.6
254 8.8 7.0 10.4

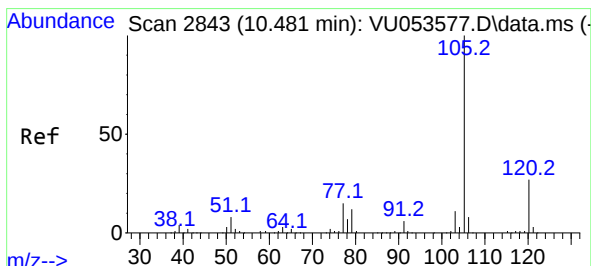
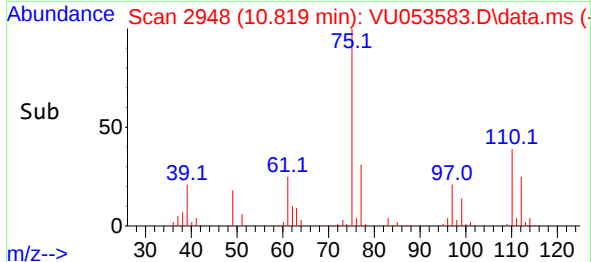
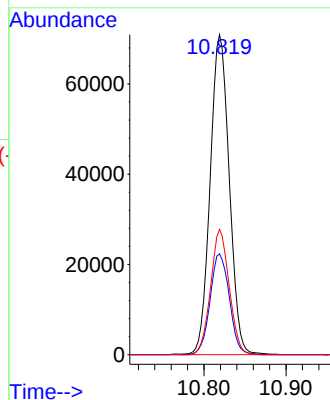
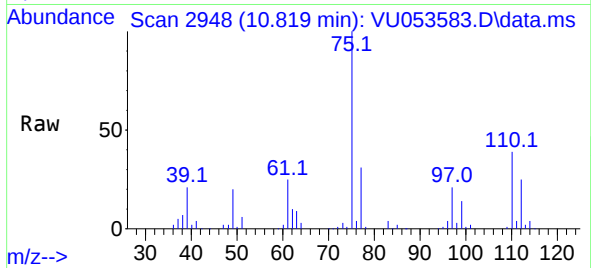




#60
1,2,3-Trichloropropane
Concen: 56.074 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

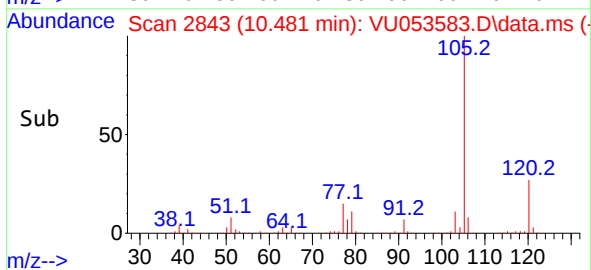
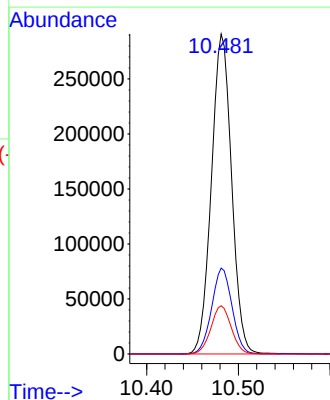
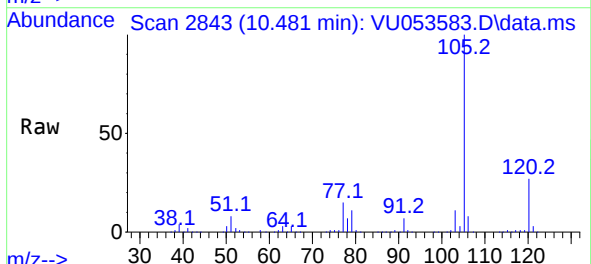
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

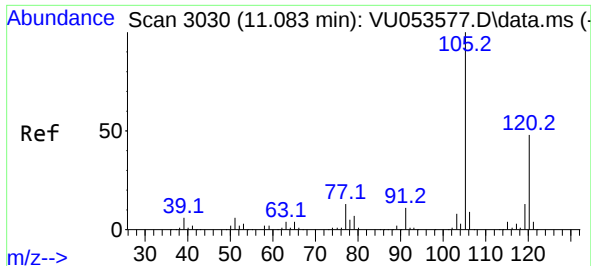
Tgt Ion: 75 Resp: 114966
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
110 38.1 32.6 48.8



#61
Isopropylbenzene
Concen: 53.202 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion: 105 Resp: 444764
Ion Ratio Lower Upper
105 100
120 27.1 22.4 33.6
77 15.2 12.1 18.1

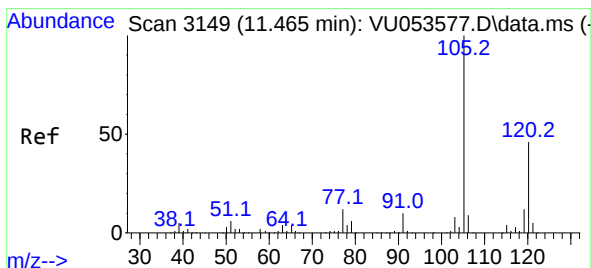
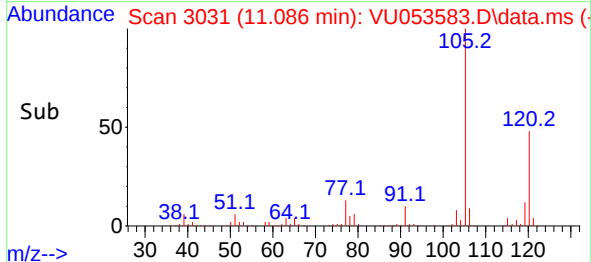
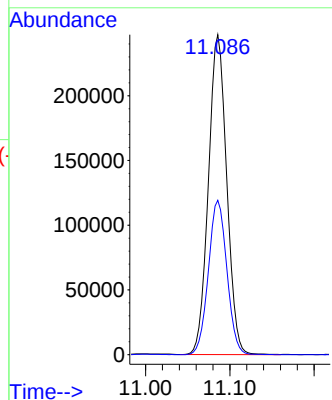
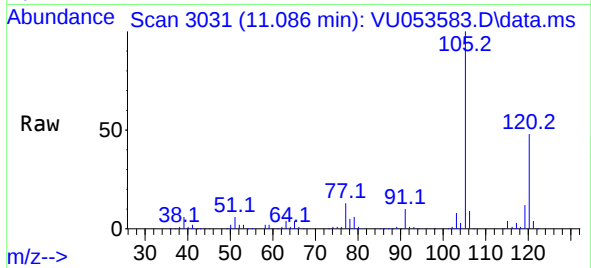




#62
1,3,5-Trimethylbenzene
Concen: 53.691 ug/L
RT: 11.086 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

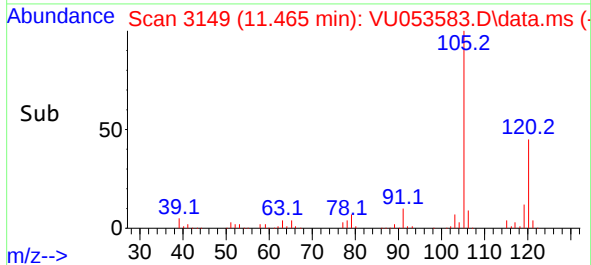
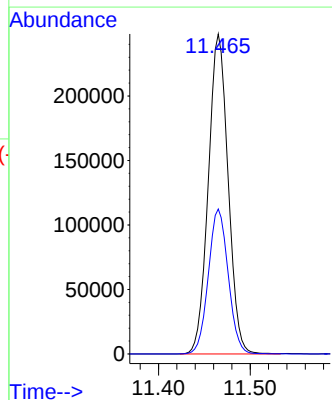
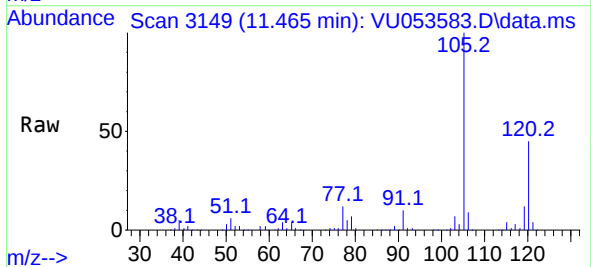
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

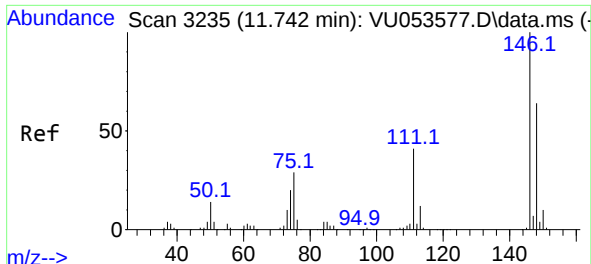
Tgt Ion:105 Resp: 373124
Ion Ratio Lower Upper
105 100
120 48.8 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 53.994 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion:105 Resp: 371641
Ion Ratio Lower Upper
105 100
120 45.5 37.5 56.3

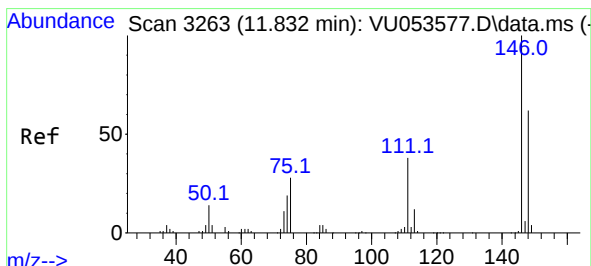
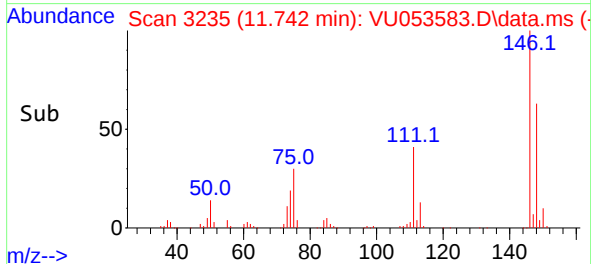
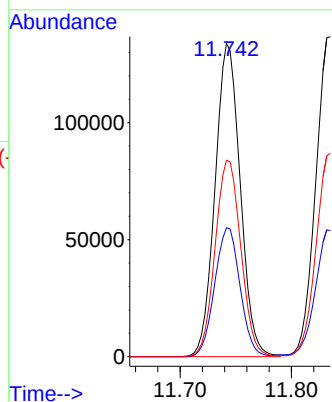
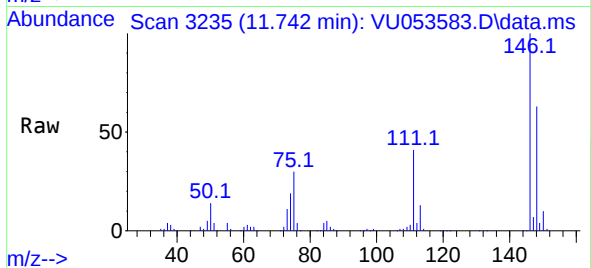




#64
1,3-Dichlorobenzene
Concen: 48.073 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

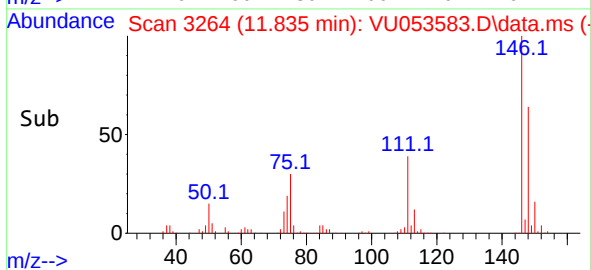
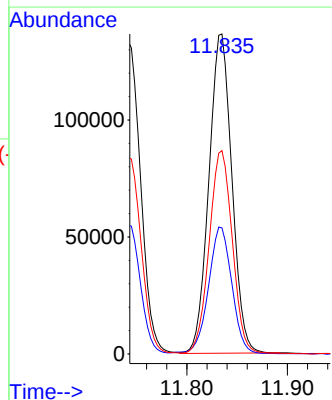
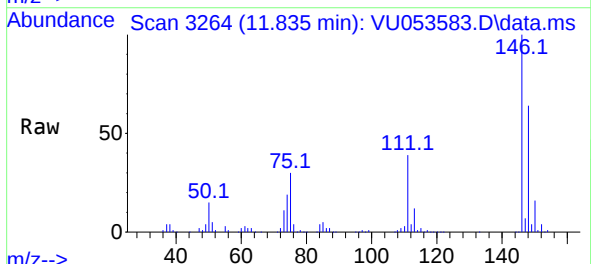
Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

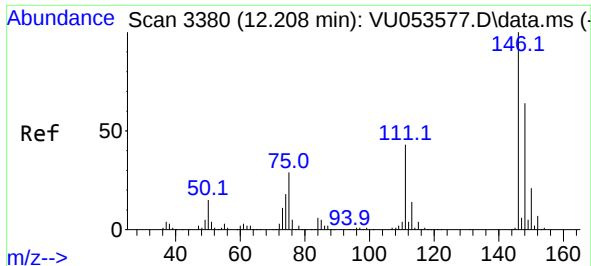
Tgt Ion:146 Resp: 209997
Ion Ratio Lower Upper
146 100
111 41.2 25.7 47.7
148 62.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 48.660 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion:146 Resp: 216638
Ion Ratio Lower Upper
146 100
111 39.4 25.1 46.5
148 63.6 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 48.083 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050186

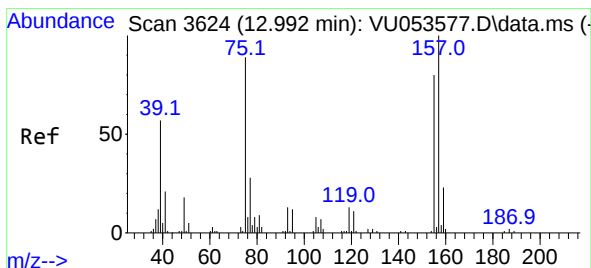
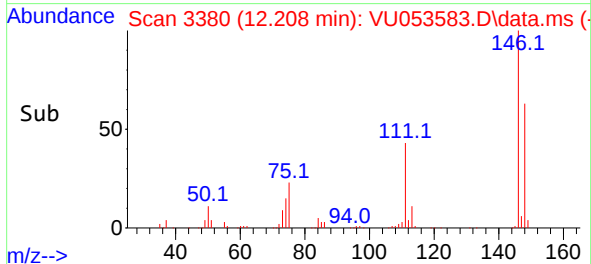
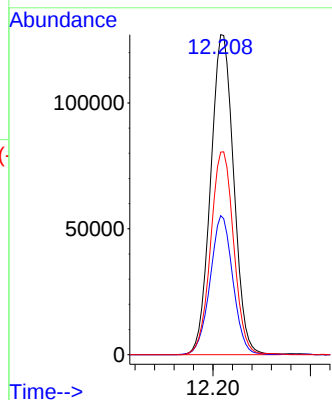
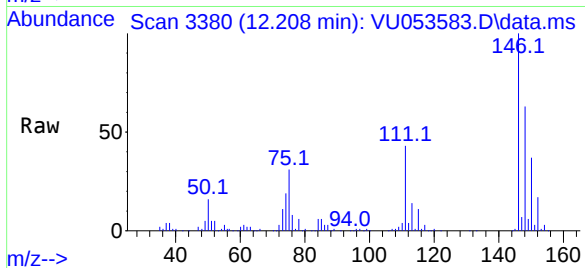
Tgt Ion:146 Resp: 209337

Ion Ratio Lower Upper

146 100

111 43.4 31.5 47.3

148 63.3 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 54.936 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

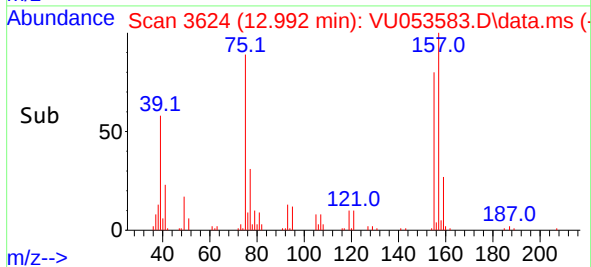
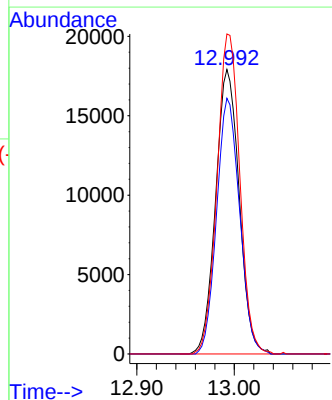
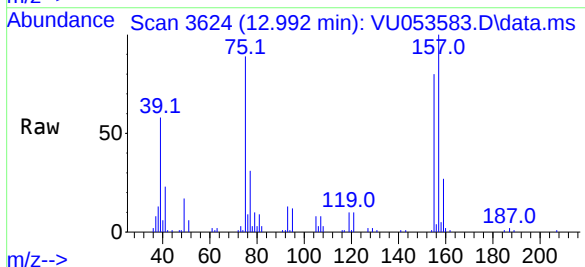
Tgt Ion: 75 Resp: 30026

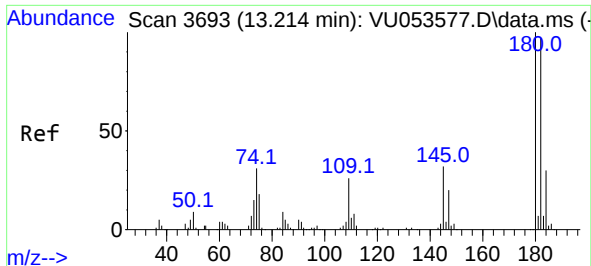
Ion Ratio Lower Upper

75 100

155 89.9 79.9 119.9

157 112.5 100.8 151.2





#69

1,3,5-Trichlorobenzene

Concen: 45.099 ug/L

RT: 13.217 min Scan# 3

Delta R.T. 0.003 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD050186

Tgt Ion:180 Resp: 145886

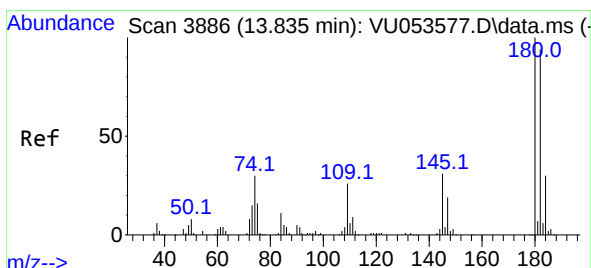
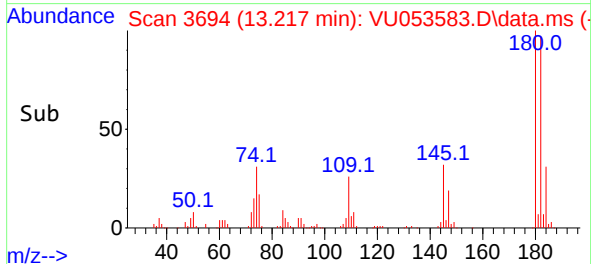
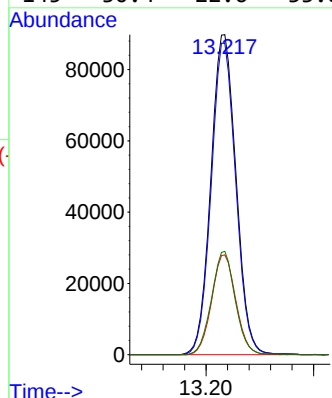
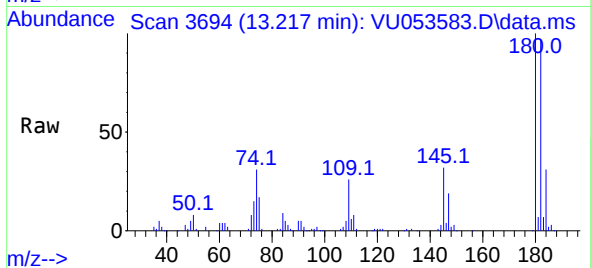
Ion Ratio Lower Upper

180 100

182 94.9 75.6 113.4

184 29.9 24.2 36.2

145 30.4 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 46.311 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053583.D

Acq: 05 Apr 2023 16:43

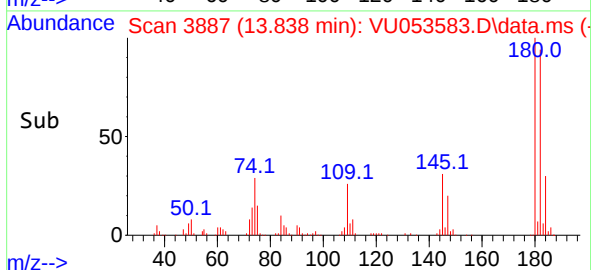
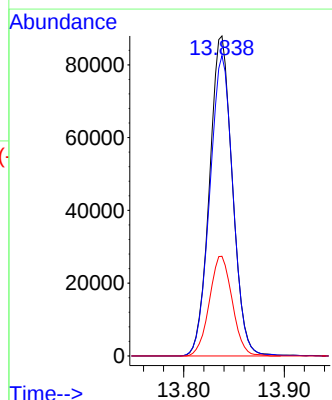
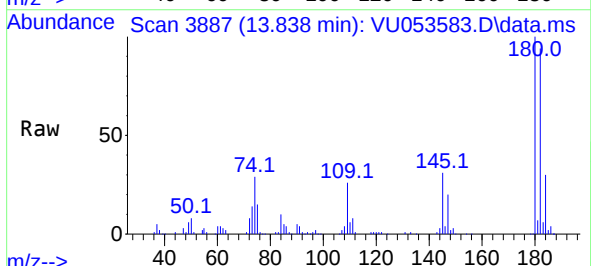
Tgt Ion:180 Resp: 138892

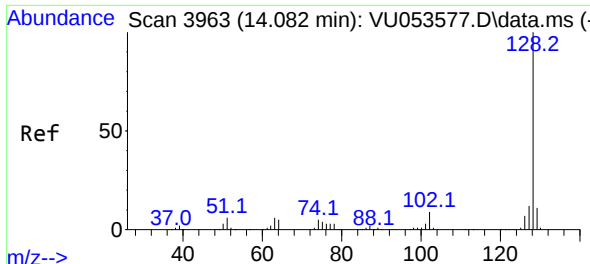
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.8

145 31.2 23.4 35.2



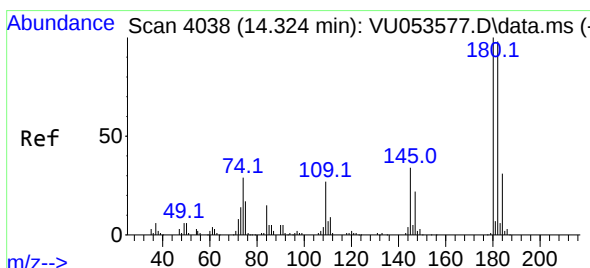
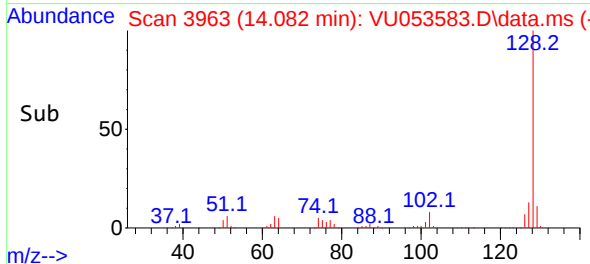
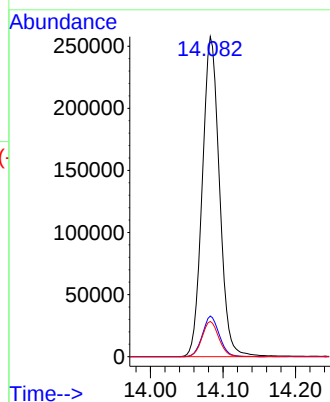
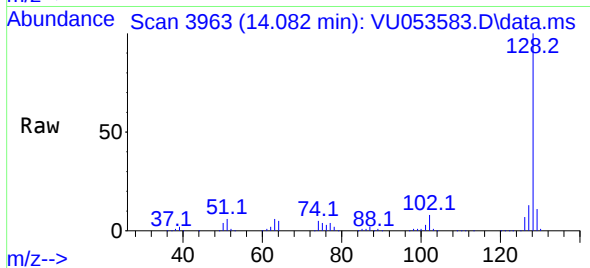


#71
Naphthalene
Concen: 47.253 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD050186

Tgt Ion:128 Resp: 424182

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.8	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 44.309 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053583.D
Acq: 05 Apr 2023 16:43

Tgt Ion:180 Resp: 132731

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
145	32.2	25.4	38.0

