

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040523\
 Data File : VU053577.D
 Acq On : 05 Apr 2023 10:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050185

Quant Time: Apr 06 03:36:32 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	6.243	114	251987	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	237215	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124206	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70380	35.869	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.740%
7) Chloroethane-d5	1.909	69	63553	42.009	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.020%
11) 1,1-Dichloroethene-d2	2.565	63	126009	41.487	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.980%
21) 2-Butanone-d5	4.613	46	103793	116.836	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.840%
24) Chloroform-d	5.057	84	146215	45.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
26) 1,2-Dichloroethane-d4	5.697	65	91177	47.550	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.100%
32) Benzene-d6	5.723	84	278477	43.491	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.980%
36) 1,2-Dichloropropane-d6	6.687	67	90577	46.280	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.560%
41) Toluene-d8	7.896	98	259492	40.774	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.540%
43) trans-1,3-Dichloroprop...	8.176	79	43446	43.005	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.020%
47) 2-Hexanone-d5	8.626	63	75603	113.188	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.190%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	138916	50.360	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.720%
66) 1,2-Dichlorobenzene-d4	12.189	152	111393	42.965	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	101272	49.516	ug/L	99
3) Chloromethane	1.520	50	98646	58.697	ug/L	99
5) Vinyl chloride	1.604	62	112511	57.767	ug/L	100
6) Bromomethane	1.848	94	69403	48.973	ug/L	97
8) Chloroethane	1.929	64	69278	59.140	ug/L	99
9) Trichlorofluoromethane	2.134	101	160711	53.647	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	87216	50.270	ug/L	93
12) 1,1-Dichloroethene	2.578	96	77538	50.147	ug/L	93
13) Acetone	2.617	43	67395	84.415	ug/L	96
14) Carbon disulfide	2.790	76	208349	50.939	ug/L	97
15) Methyl Acetate	2.941	43	76322	62.412	ug/L	93
16) Methylene chloride	3.041	84	94674	54.475	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	81424	52.398	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	256301	56.586	ug/L	99
19) 1,1-Dichloroethane	3.864	63	146162	56.782	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	92827	51.718	ug/L	90
22) 2-Butanone	4.694	43	103139	106.634	ug/L	94
23) Bromochloromethane	4.970	128	49968	49.979	ug/L	94
25) Chloroform	5.083	83	161802	54.803	ug/L	98

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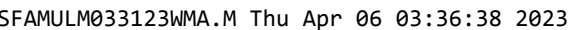
Instrument :
 MSVOA_U
 ClientSampleId :
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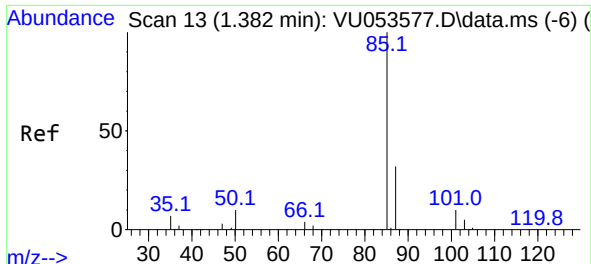
Quant Time: Apr 06 03:36:32 2023
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 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	120450	55.708	ug/L	99
29) Cyclohexane	5.385	56	124115	54.350	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	136994	52.411	ug/L	98
31) Carbon tetrachloride	5.520	117	119035	50.830	ug/L	100
33) Benzene	5.768	78	335895	54.348	ug/L	100
34) Trichloroethene	6.536	95	97346	52.076	ug/L	94
35) Methylcyclohexane	6.758	83	144276	52.508	ug/L	99
37) 1,2-Dichloropropane	6.787	63	87865	55.989	ug/L	98
38) Bromodichloromethane	7.102	83	116117	55.464	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	136841	53.360	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	202427	118.699	ug/L	99
42) Toluene	7.967	91	367160	52.421	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	129865	53.567	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	93339	54.172	ug/L	97
46) Tetrachloroethene	8.549	164	71024	45.786	ug/L	96
48) 2-Hexanone	8.677	43	147403	106.852	ug/L	97
49) Dibromochloromethane	8.806	129	91855	51.270	ug/L	98
50) 1,2-Dibromoethane	8.919	107	102271	53.054	ug/L	96
51) Chlorobenzene	9.443	112	241528	50.050	ug/L	95
52) Ethylbenzene	9.568	91	401753	51.528	ug/L	98
53) m,p-Xylene	9.690	106	160721	52.707	ug/L	98
54) o-xylene	10.095	106	155630	51.621	ug/L	94
55) Styrene	10.111	104	259668	52.879	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	141253	55.836	ug/L	97
59) Bromoform	10.285	173	66092	51.987	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	111696	62.021	ug/L	99
61) Isopropylbenzene	10.481	105	413658	56.330	ug/L	98
62) 1,3,5-Trimethylbenzene	11.083	105	341141	55.884	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	342206	56.599	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	193476	50.422	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	197891	50.602	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	193870	50.695	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	29979	62.442	ug/L	88
69) 1,3,5-Trichlorobenzene	13.214	180	129652	45.628	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	121520	46.127	ug/L	99
71) Naphthalene	14.082	128	401803	50.956	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	121985	46.359	ug/L	99

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

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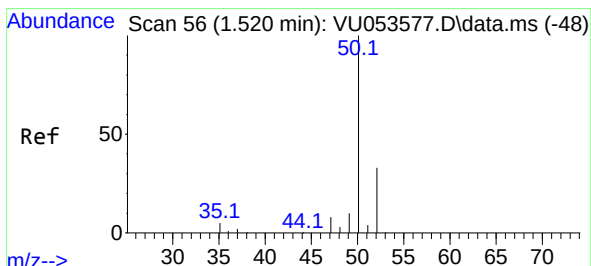
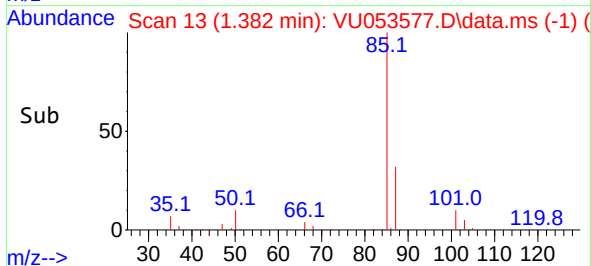
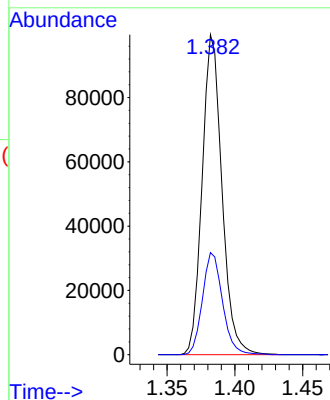
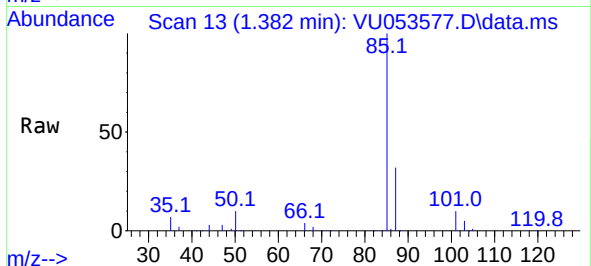




#2
Dichlorodifluoromethane
Concen: 49.516 ug/L
RT: 1.382 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

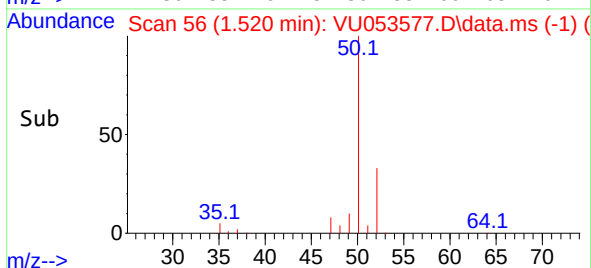
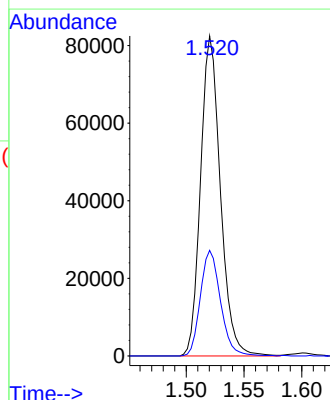
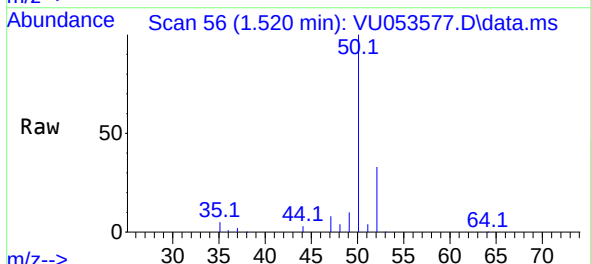
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

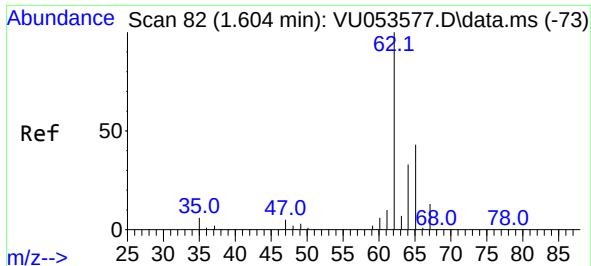
Tgt Ion: 85 Resp: 101272
Ion Ratio Lower Upper
85 100
87 32.3 26.4 39.6



#3
Chloromethane
Concen: 58.697 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 50 Resp: 98646
Ion Ratio Lower Upper
50 100
52 33.0 22.7 42.1

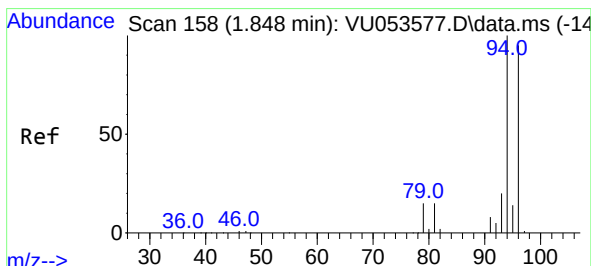
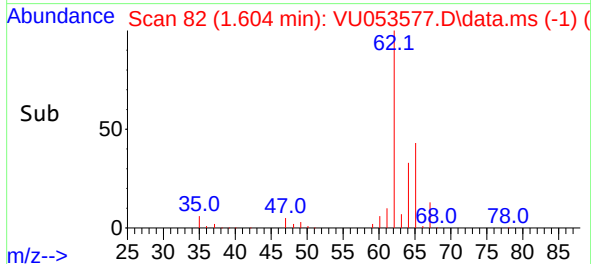
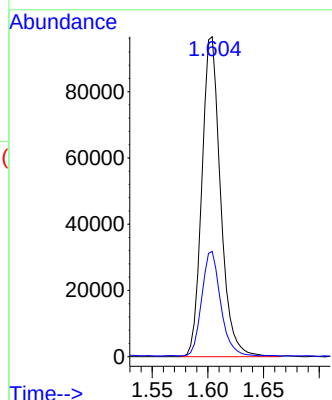
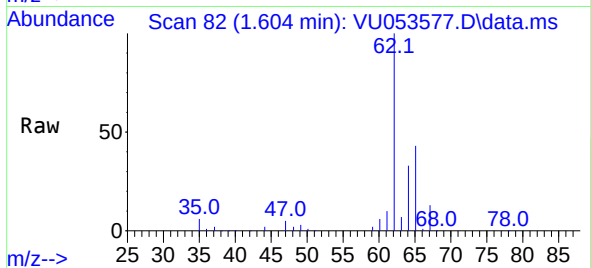




#5
 Vinyl chloride
 Concen: 57.767 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053577.D
 Acq: 05 Apr 2023 10:09

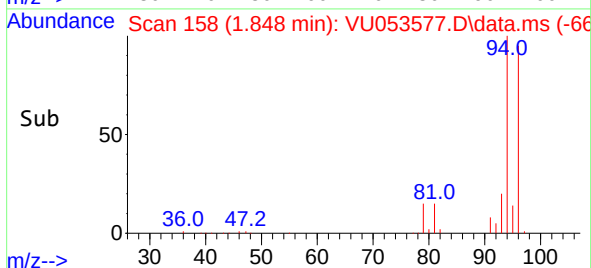
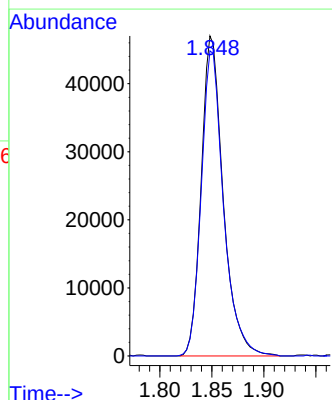
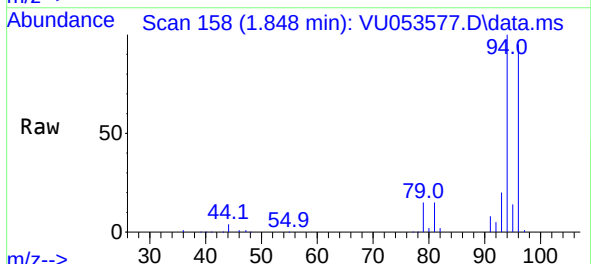
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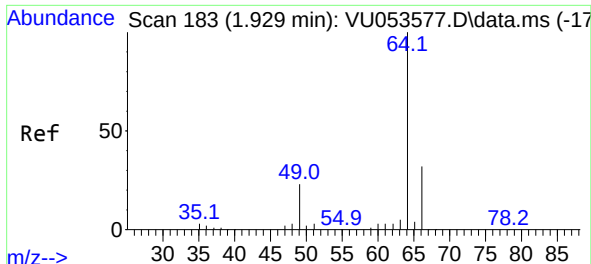
Tgt Ion: 62 Resp: 112511
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.2 43.0



#6
 Bromomethane
 Concen: 48.973 ug/L
 RT: 1.848 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VU053577.D
 Acq: 05 Apr 2023 10:09

Tgt Ion: 94 Resp: 69403
 Ion Ratio Lower Upper
 94 100
 96 95.3 64.4 119.6

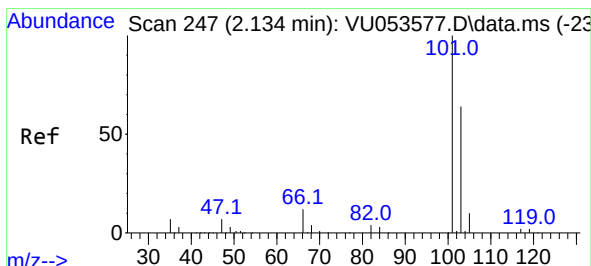
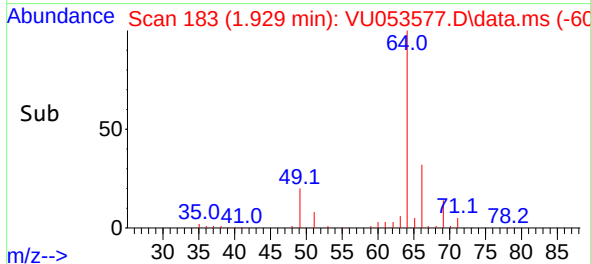
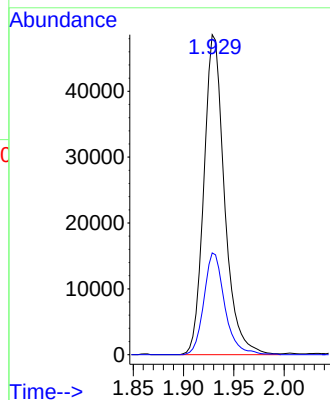
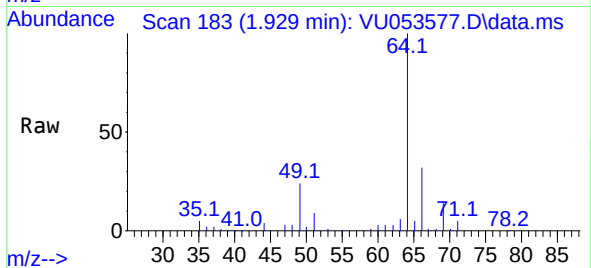




#8
Chloroethane
Concen: 59.140 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

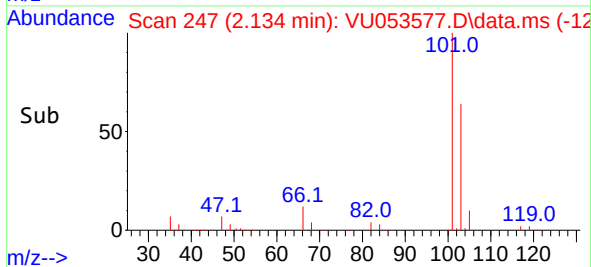
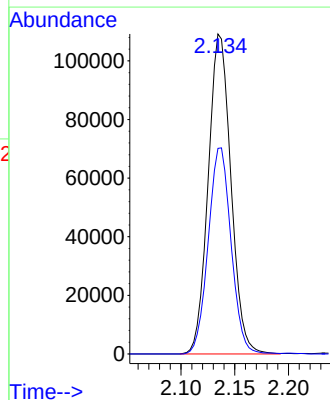
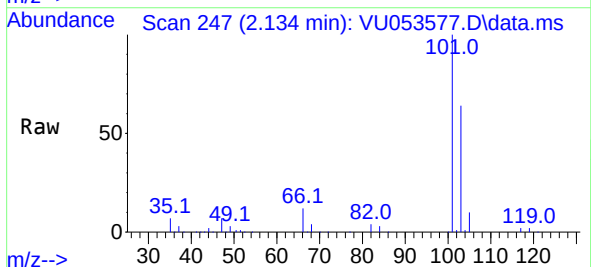
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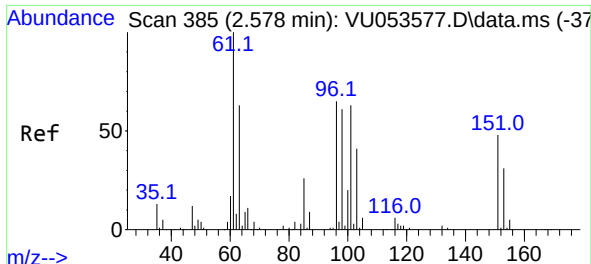
Tgt Ion: 64 Resp: 69278
Ion Ratio Lower Upper
64 100
66 31.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 53.647 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:101 Resp: 160711
Ion Ratio Lower Upper
101 100
103 64.7 52.5 78.7

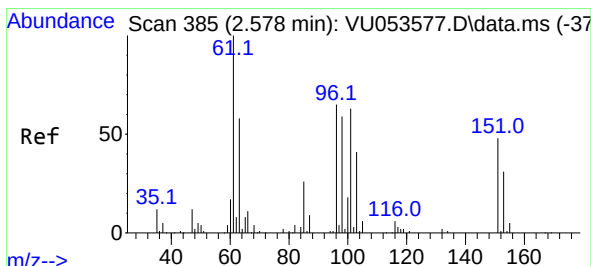
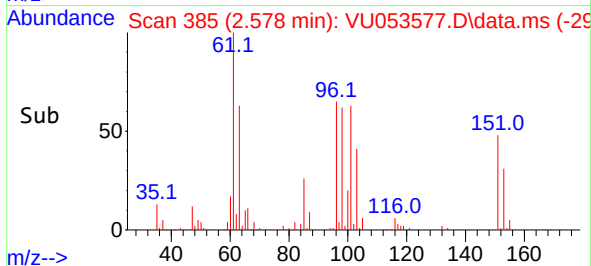
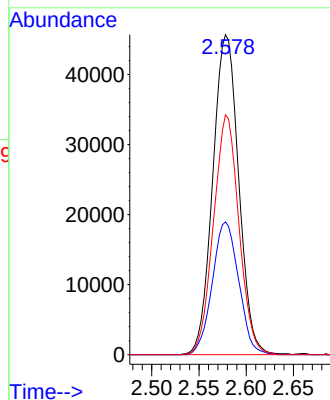
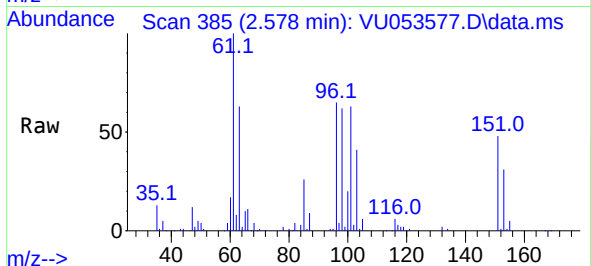




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.270 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

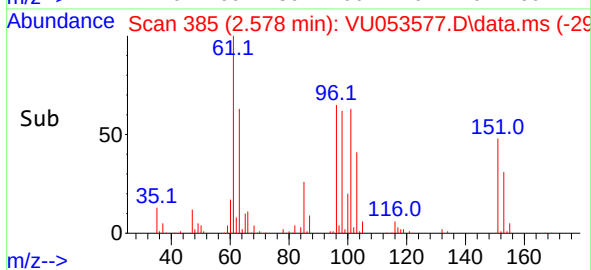
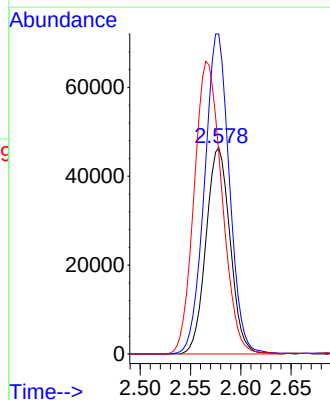
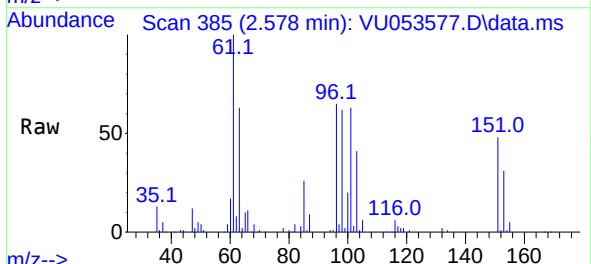
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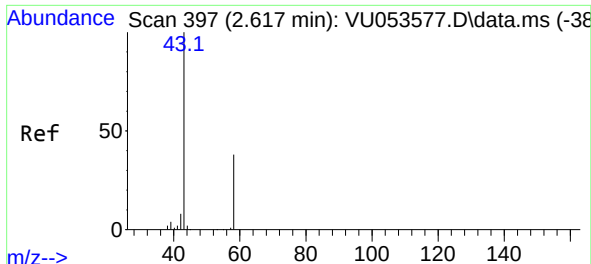
Tgt Ion:101 Resp: 87216
Ion Ratio Lower Upper
101 100
85 42.2 32.6 48.8
151 73.6 65.8 98.6



#12
1,1-Dichloroethene
Concen: 50.147 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 96 Resp: 77538
Ion Ratio Lower Upper
96 100
61 155.0 107.9 200.5
63 97.4 79.1 146.9





#13

Acetone

Concen: 84.415 ug/L

RT: 2.617 min Scan# 397

Delta R.T. -0.003 min

Lab File: VU053577.D

Acq: 05 Apr 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

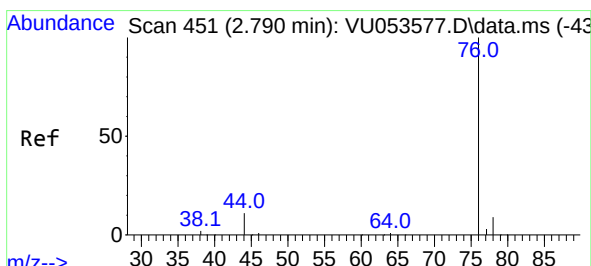
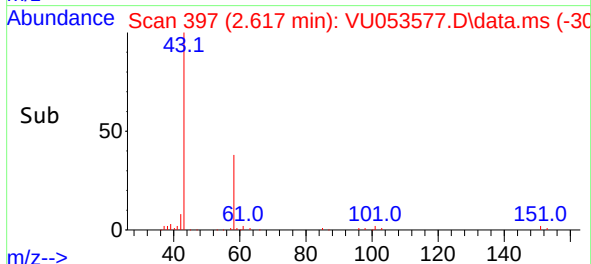
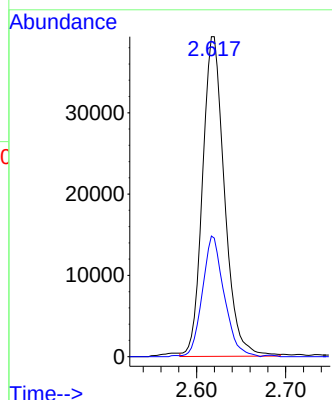
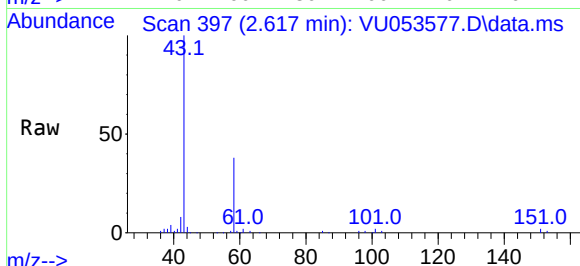
VSTD050185

Tgt Ion: 43 Resp: 67395

Ion Ratio Lower Upper

43 100

58 37.3 0.0 70.2



#14

Carbon disulfide

Concen: 50.939 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU053577.D

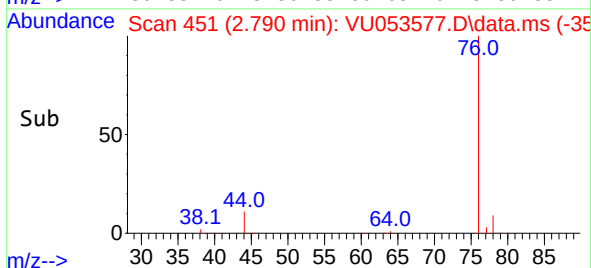
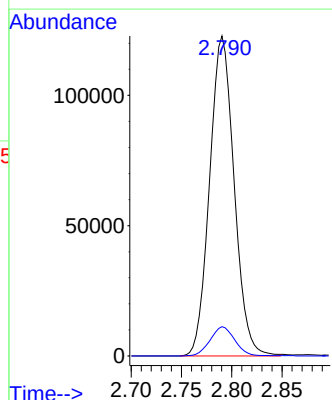
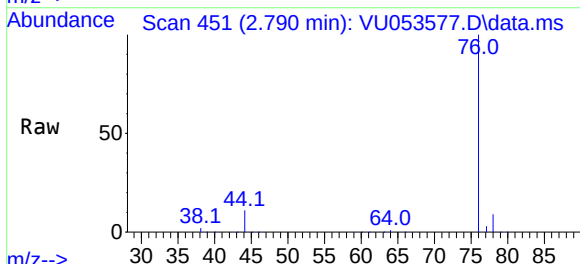
Acq: 05 Apr 2023 10:09

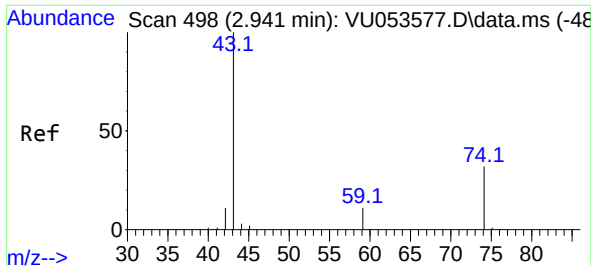
Tgt Ion: 76 Resp: 208349

Ion Ratio Lower Upper

76 100

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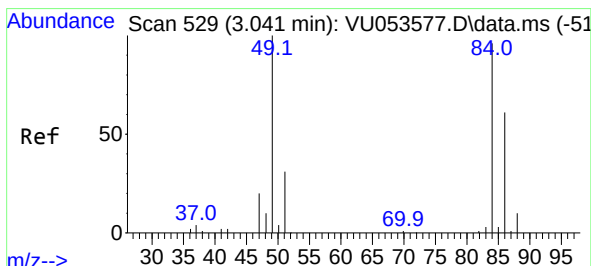
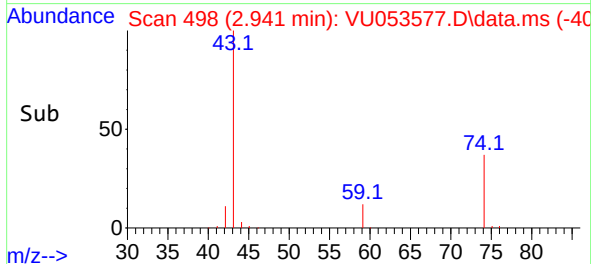
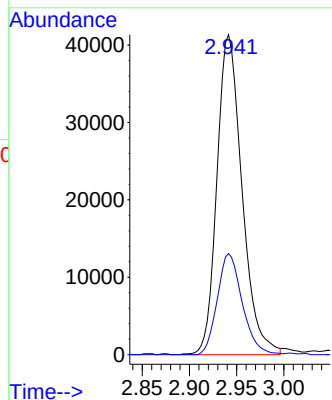
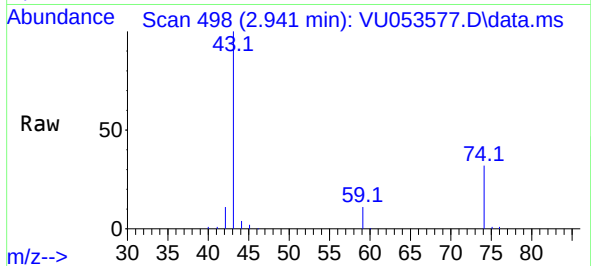




#15
Methyl Acetate
Concen: 62.412 ug/L
RT: 2.941 min Scan# 498
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

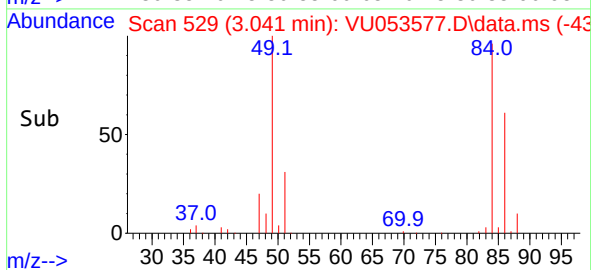
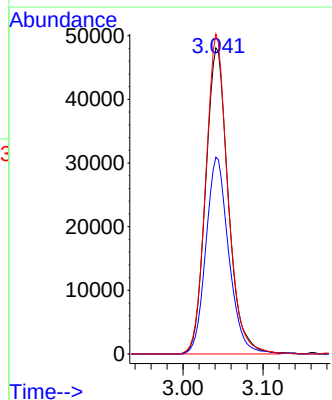
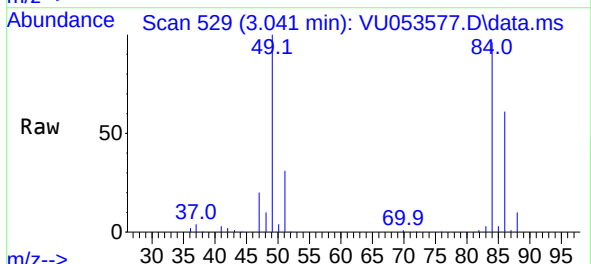
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

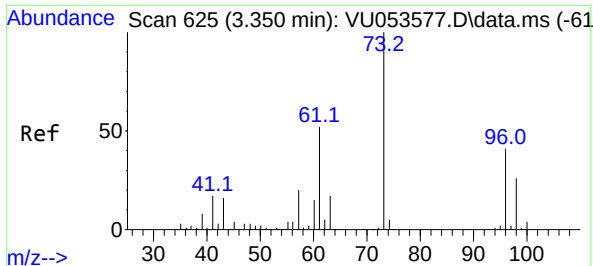
Tgt Ion: 43 Resp: 76322
Ion Ratio Lower Upper
43 100
74 31.4 22.0 33.0



#16
Methylene chloride
Concen: 54.475 ug/L
RT: 3.041 min Scan# 529
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 84 Resp: 94674
Ion Ratio Lower Upper
84 100
86 64.3 43.5 80.9
49 104.5 69.7 129.5

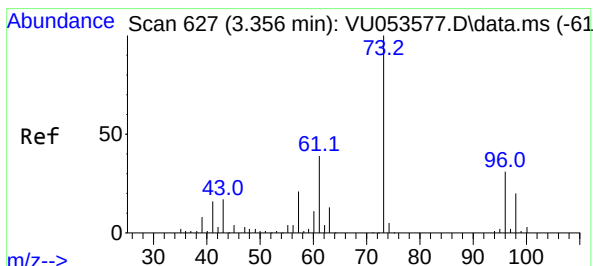
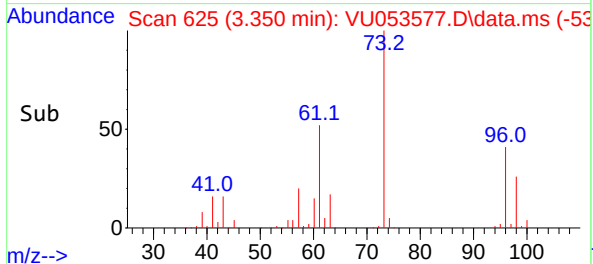
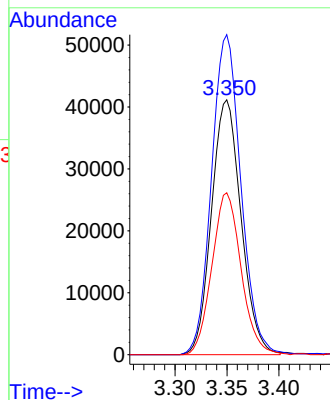
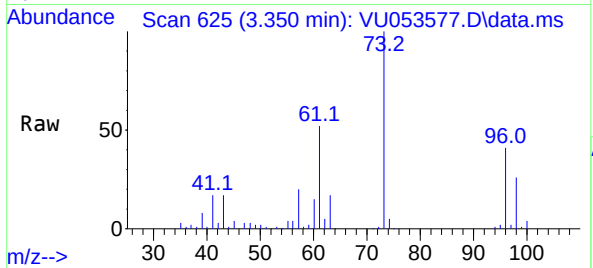




#17
trans-1,2-Dichloroethene
Concen: 52.398 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

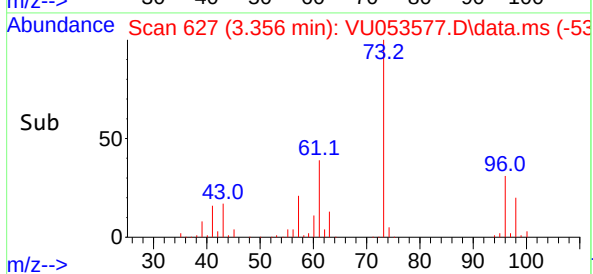
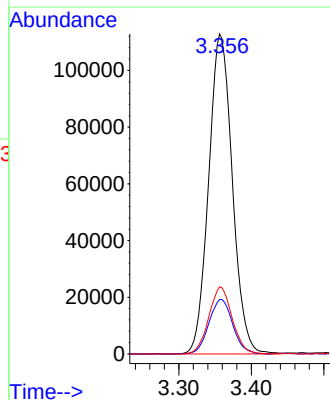
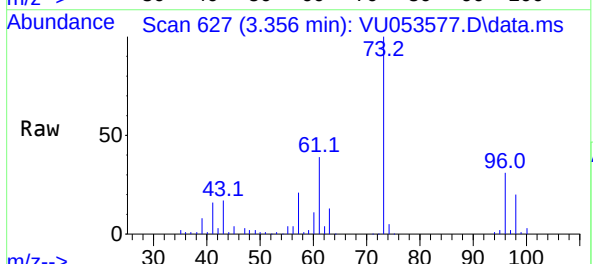
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

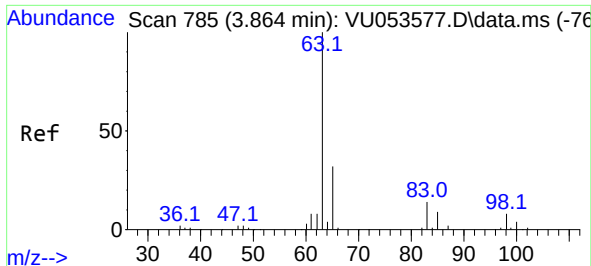
Tgt Ion: 96 Resp: 81424
Ion Ratio Lower Upper
96 100
61 125.5 84.4 156.8
98 63.5 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 56.586 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 73 Resp: 256301
Ion Ratio Lower Upper
73 100
43 17.2 13.8 20.8
57 20.6 15.9 23.9

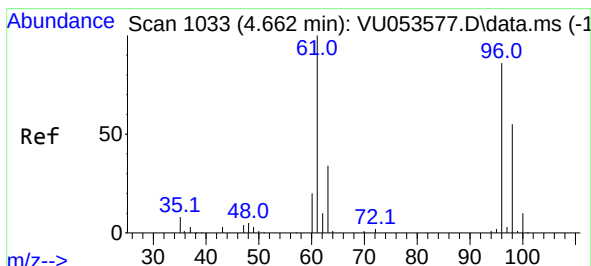
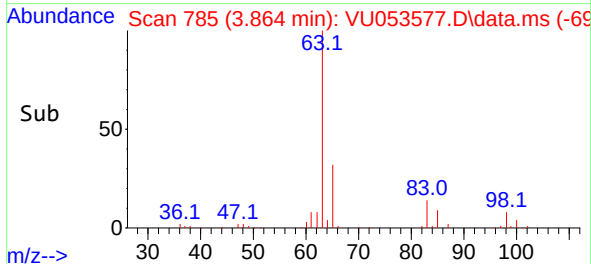
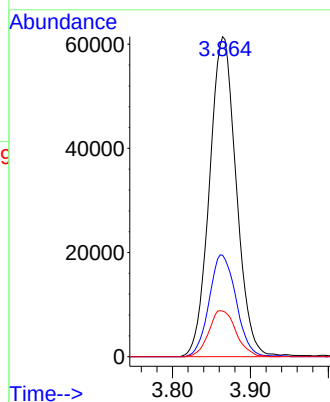
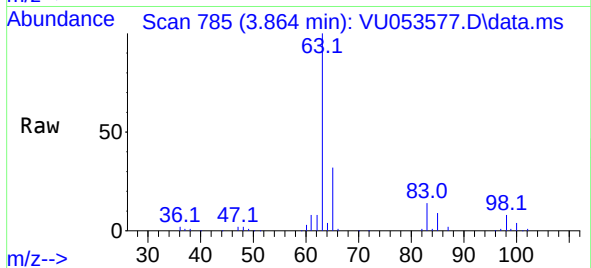




#19
1,1-Dichloroethane
Concen: 56.782 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

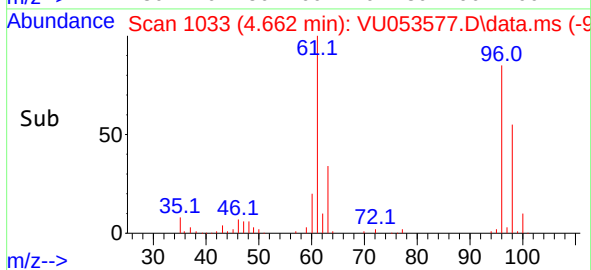
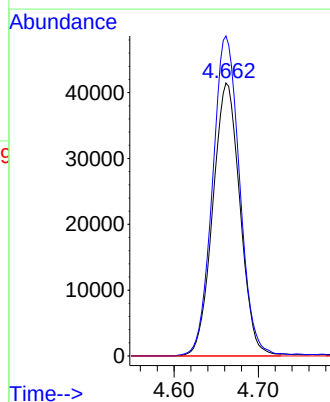
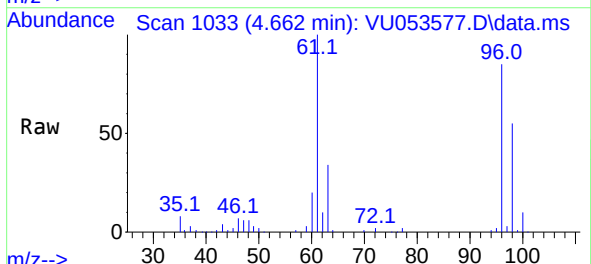
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

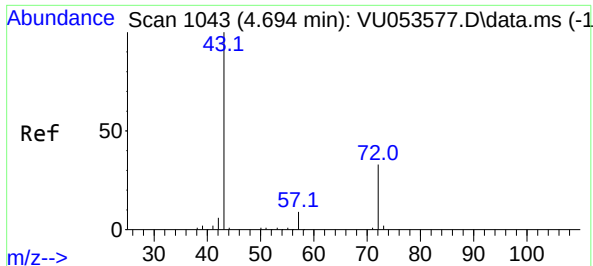
Tgt Ion: 63 Resp: 146162
Ion Ratio Lower Upper
63 100
65 31.7 22.0 41.0
83 14.3 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 51.718 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 96 Resp: 92827
Ion Ratio Lower Upper
96 100
61 117.2 74.7 138.7
68 0.0 0.0 0.0

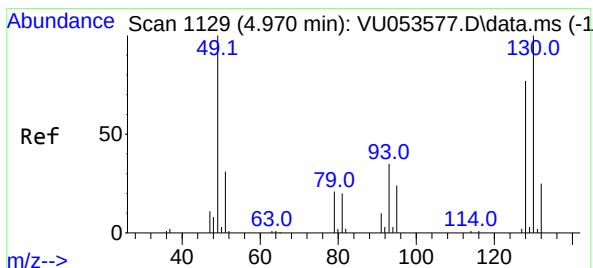
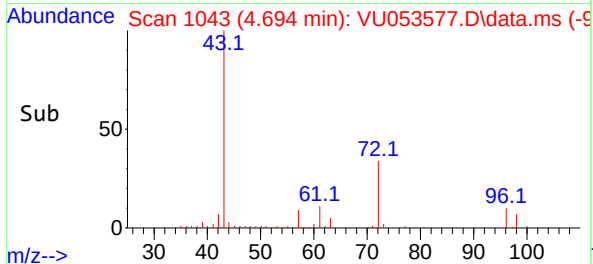
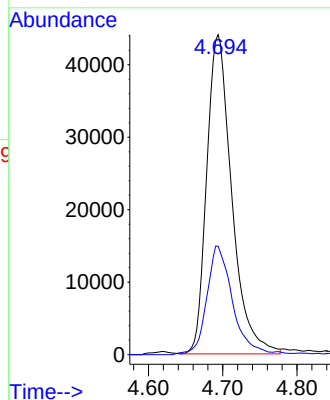
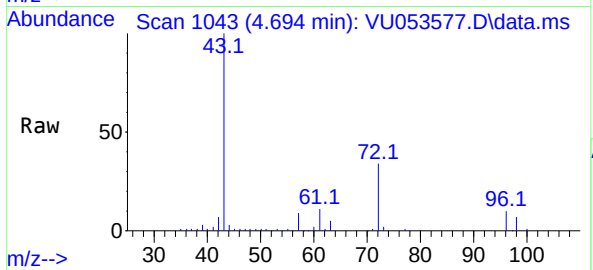




#22
2-Butanone
Concen: 106.634 ug/L
RT: 4.694 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

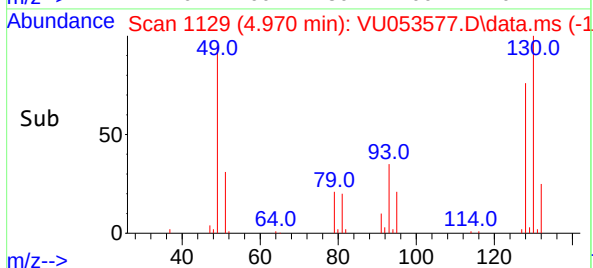
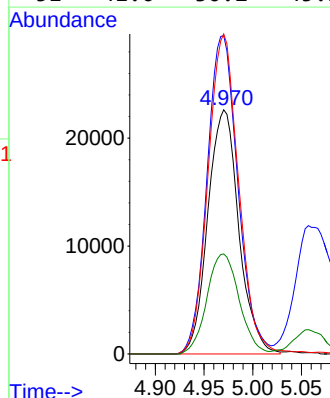
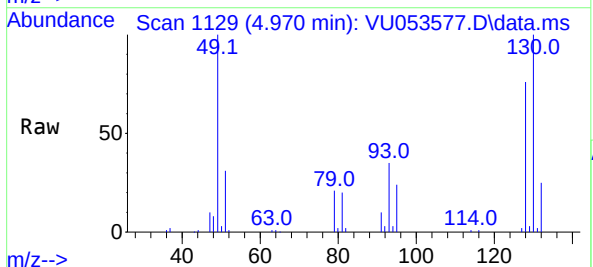
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

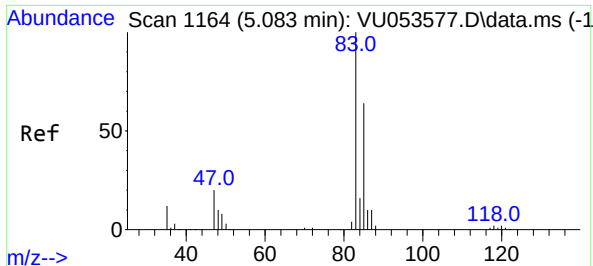
Tgt Ion: 43 Resp: 103139
Ion Ratio Lower Upper
43 100
72 34.8 15.8 47.3



#23
Bromochloromethane
Concen: 49.979 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:128 Resp: 49968
Ion Ratio Lower Upper
128 100
49 130.4 81.5 151.3
130 131.1 91.8 170.4
51 41.0 30.2 45.2

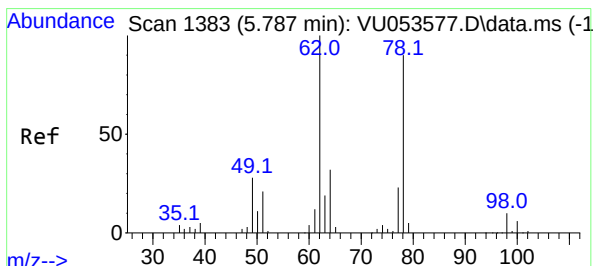
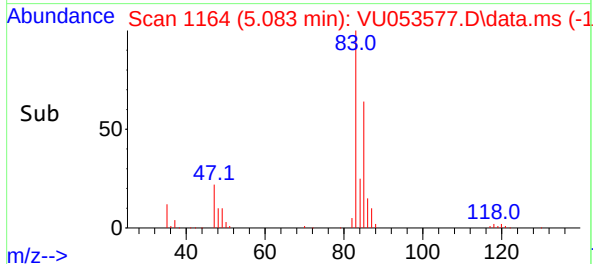
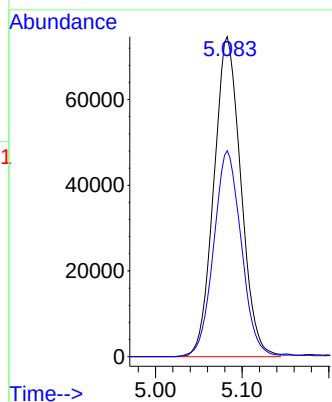
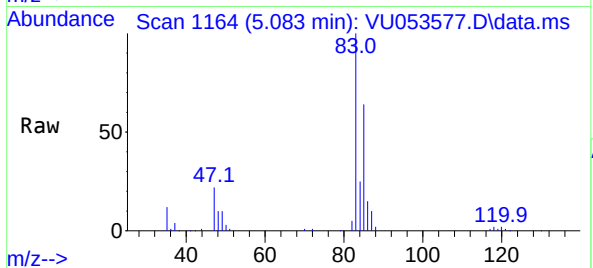




#25
Chloroform
Concen: 54.803 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

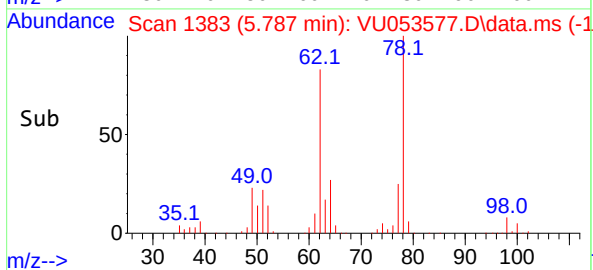
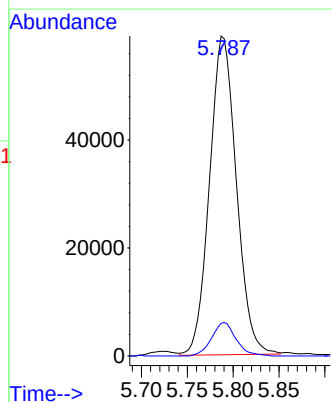
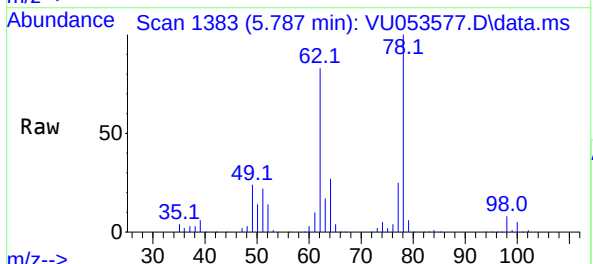
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

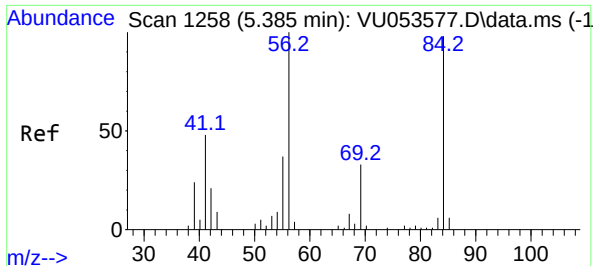
Tgt Ion: 83 Resp: 161802
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 55.708 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 62 Resp: 120450
Ion Ratio Lower Upper
62 100
98 10.2 8.3 12.5





#29

Cyclohexane

Concen: 54.350 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053577.D

Acq: 05 Apr 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050185

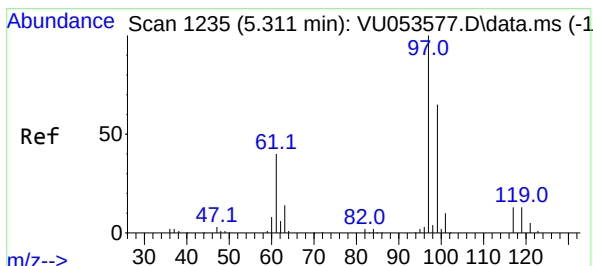
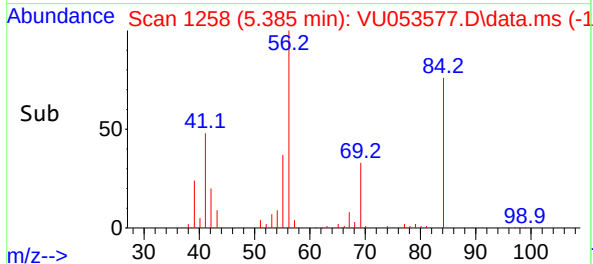
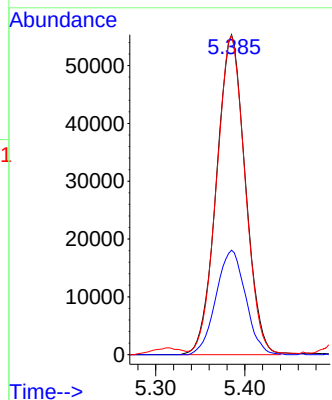
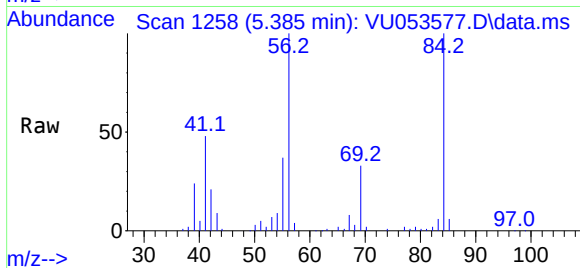
Tgt Ion: 56 Resp: 124115

Ion Ratio Lower Upper

56 100

69 33.5 27.3 40.9

84 98.9 81.3 121.9



#30

1,1,1-Trichloroethane

Concen: 52.411 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU053577.D

Acq: 05 Apr 2023 10:09

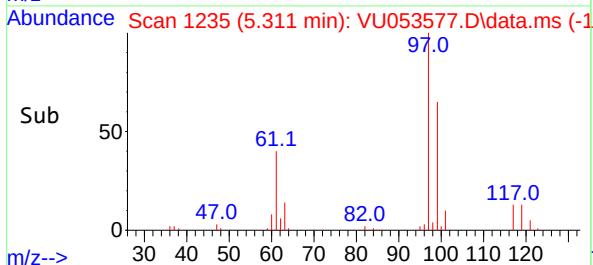
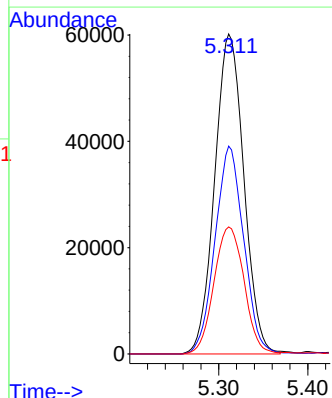
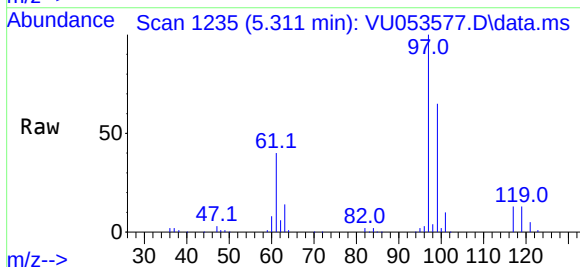
Tgt Ion: 97 Resp: 136994

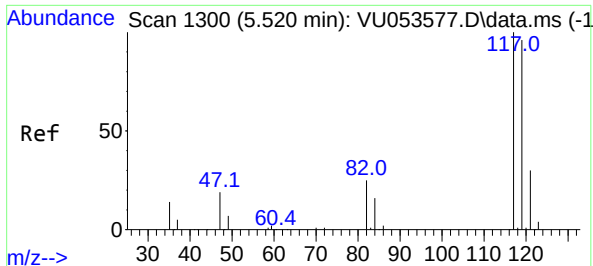
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 40.9 31.0 46.4

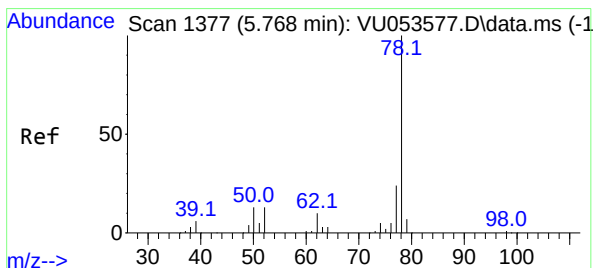
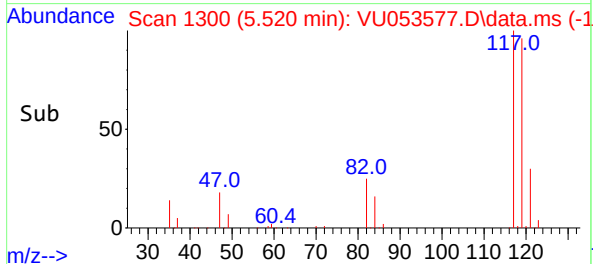
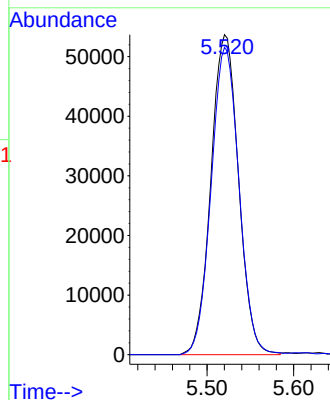
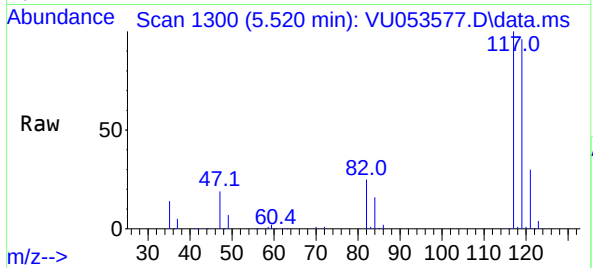




#31
Carbon tetrachloride
Concen: 50.830 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

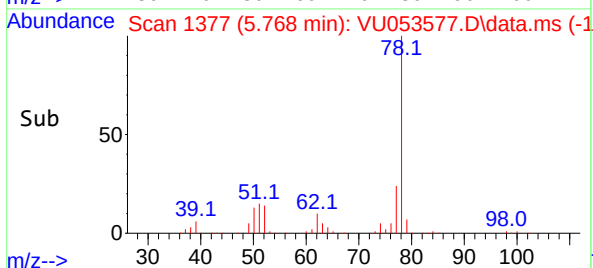
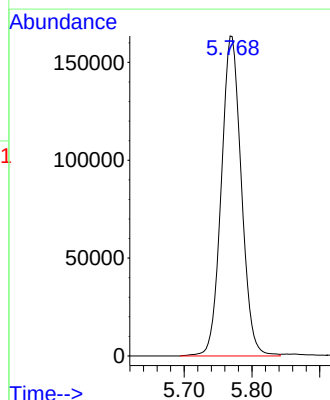
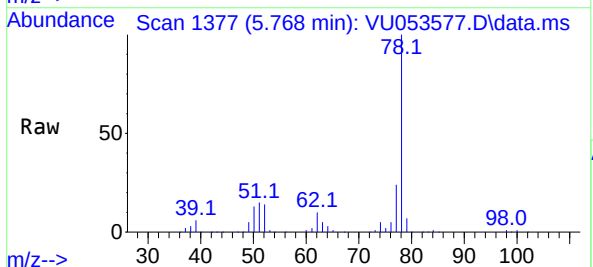
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

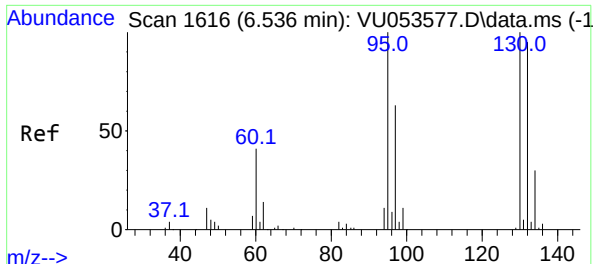
Tgt Ion:117 Resp: 119035
Ion Ratio Lower Upper
117 100
119 96.6 76.9 115.3



#33
Benzene
Concen: 54.348 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 78 Resp: 335895

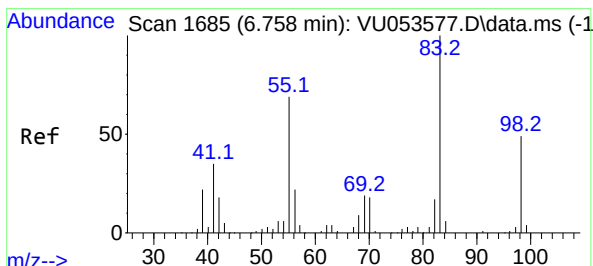
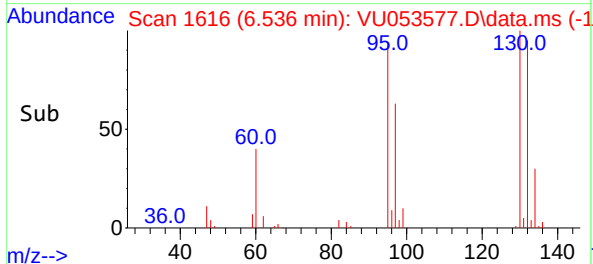
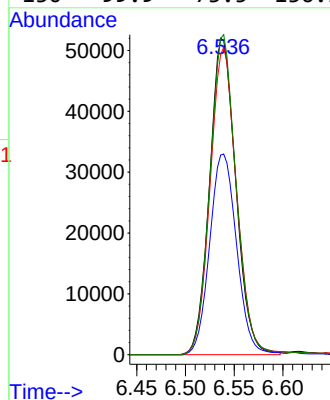
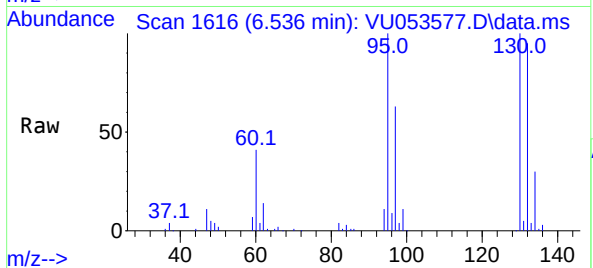




#34
Trichloroethene
Concen: 52.076 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

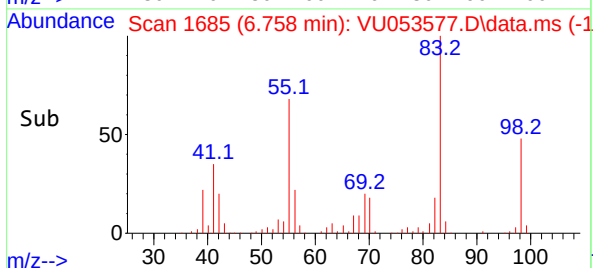
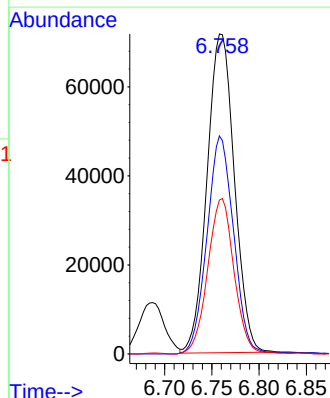
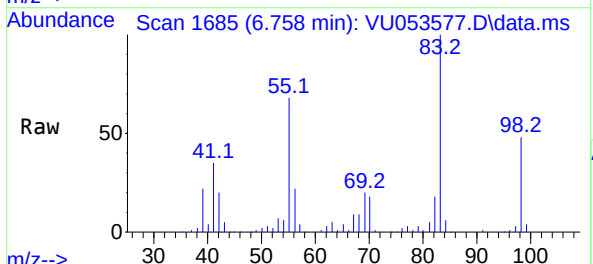
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

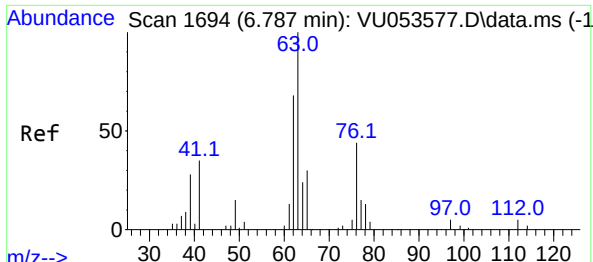
Tgt Ion: 95 Resp: 97346
Ion Ratio Lower Upper
95 100
97 63.1 45.1 83.7
132 94.9 74.1 137.5
130 99.9 73.5 136.5



#35
Methylcyclohexane
Concen: 52.508 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 83 Resp: 144276
Ion Ratio Lower Upper
83 100
55 66.5 53.0 79.6
98 47.0 39.0 58.6

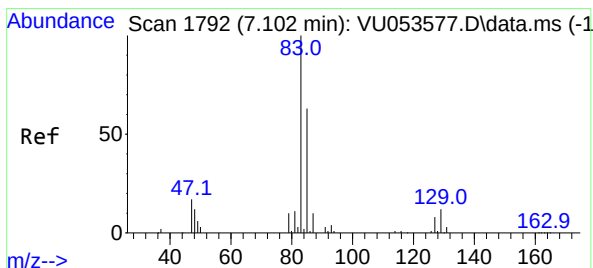
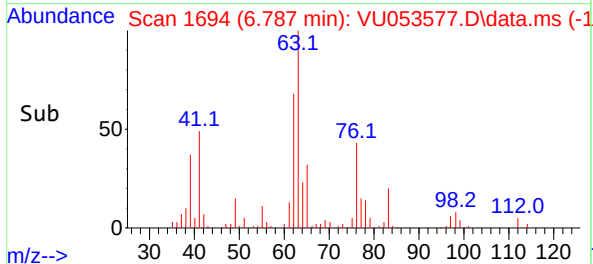
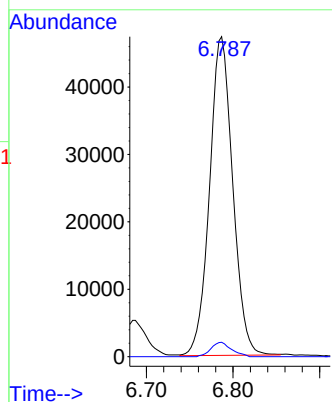
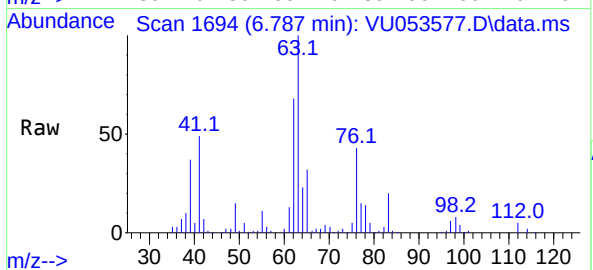




#37
1,2-Dichloropropane
Concen: 55.989 ug/L
RT: 6.787 min Scan# 1694
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

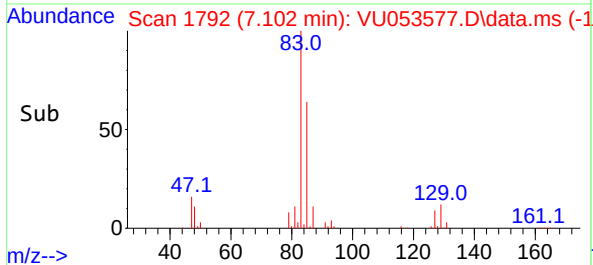
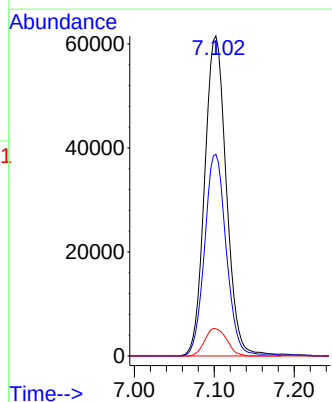
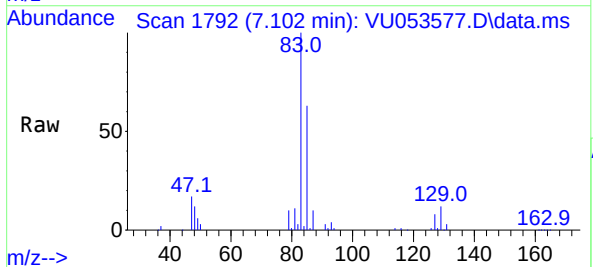
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

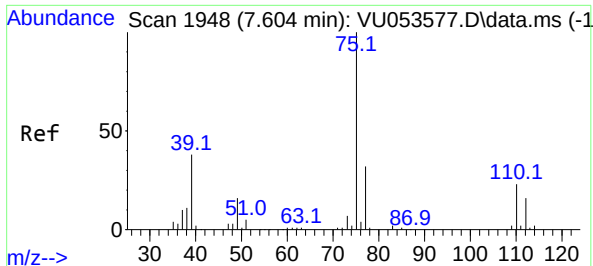
Tgt Ion: 63 Resp: 87865
Ion Ratio Lower Upper
63 100
112 4.0 3.8 5.6



#38
Bromodichloromethane
Concen: 55.464 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 83 Resp: 116117
Ion Ratio Lower Upper
83 100
85 63.0 44.4 82.5
127 8.5 8.0 12.0

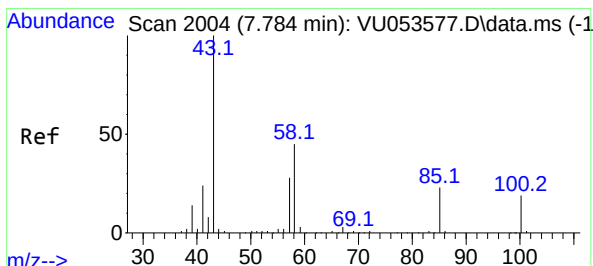
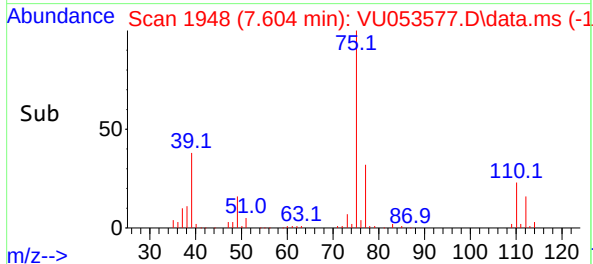
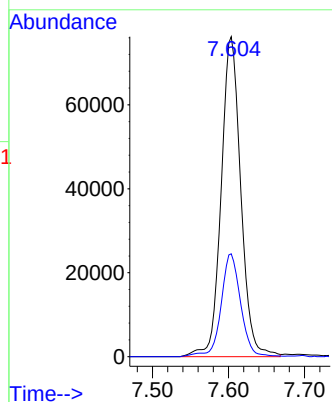
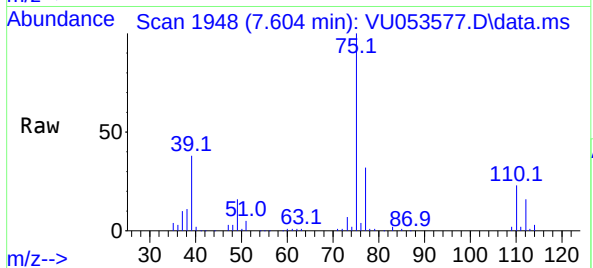




#39
 cis-1,3-Dichloropropene
 Concen: 53.360 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.003 min
 Lab File: VU053577.D
 Acq: 05 Apr 2023 10:09

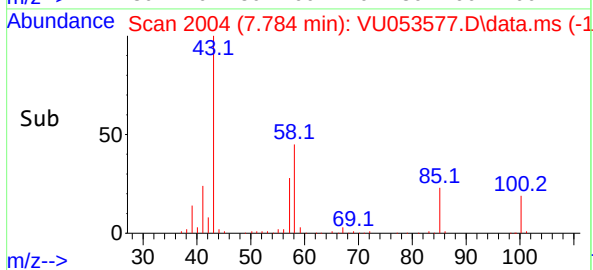
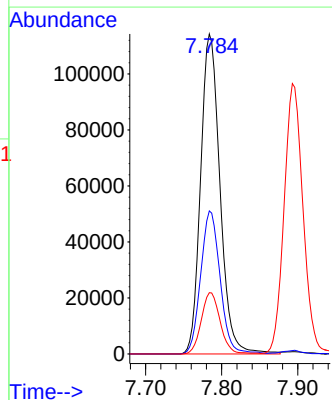
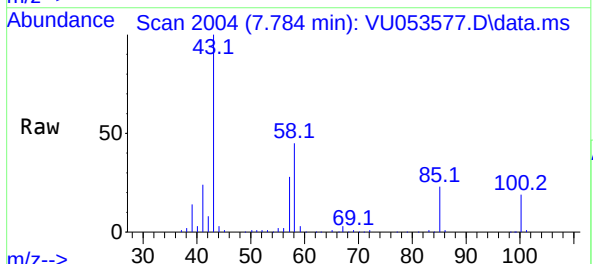
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050185

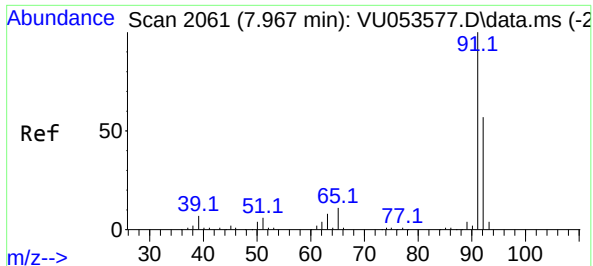
Tgt Ion: 75 Resp: 136841
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 118.699 ug/L
 RT: 7.784 min Scan# 2004
 Delta R.T. 0.000 min
 Lab File: VU053577.D
 Acq: 05 Apr 2023 10:09

Tgt Ion: 43 Resp: 202427
 Ion Ratio Lower Upper
 43 100
 58 44.9 35.5 53.3
 100 18.6 15.8 23.8





#42

Toluene

Concen: 52.421 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053577.D

Acq: 05 Apr 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

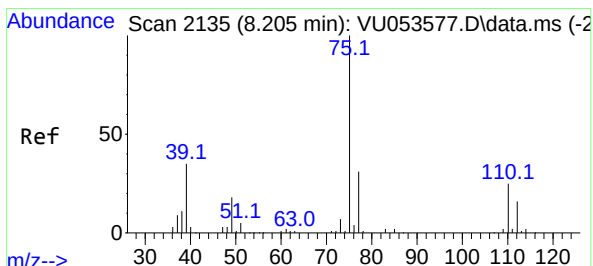
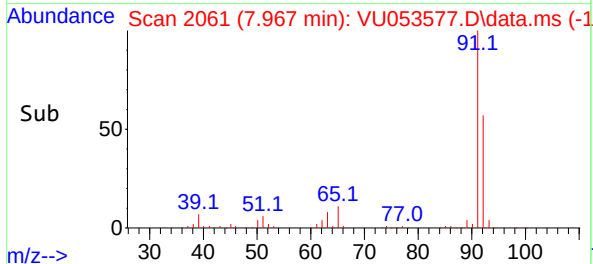
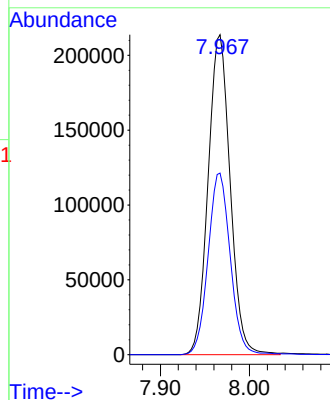
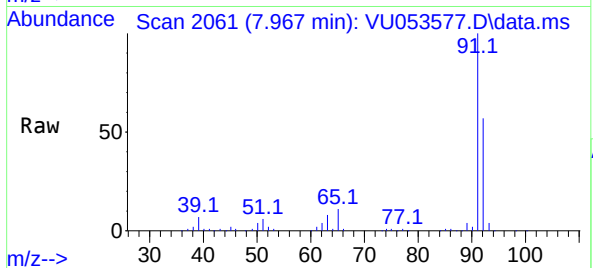
VSTD050185

Tgt Ion: 91 Resp: 367160

Ion Ratio Lower Upper

91 100

92 56.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 53.567 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU053577.D

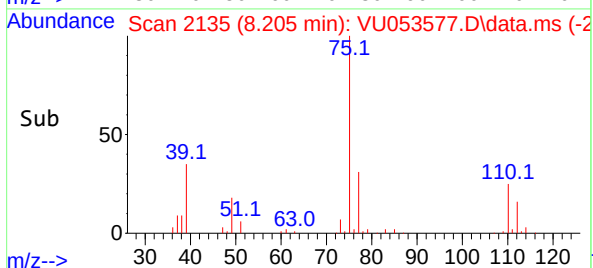
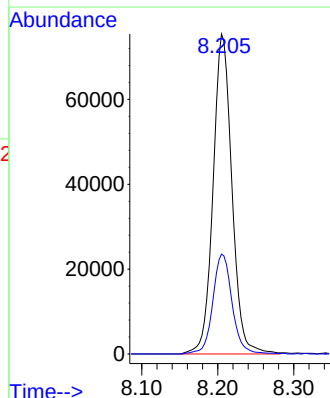
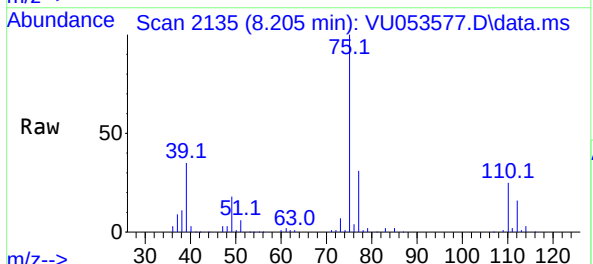
Acq: 05 Apr 2023 10:09

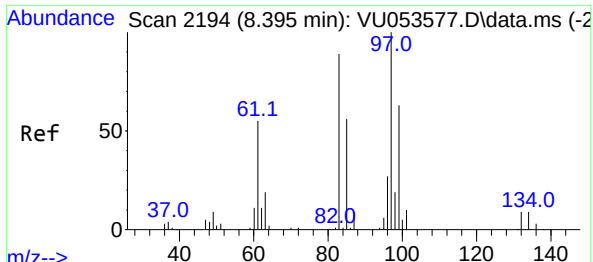
Tgt Ion: 75 Resp: 129865

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4



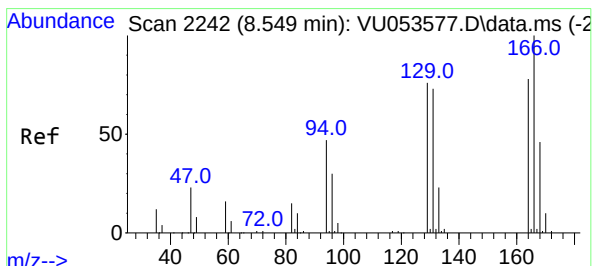
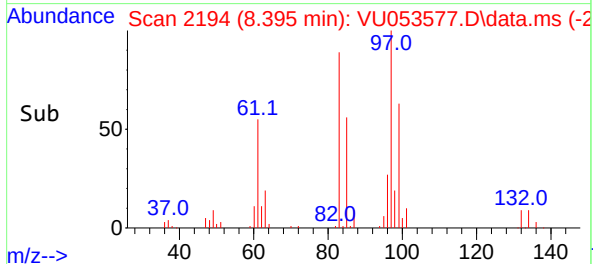
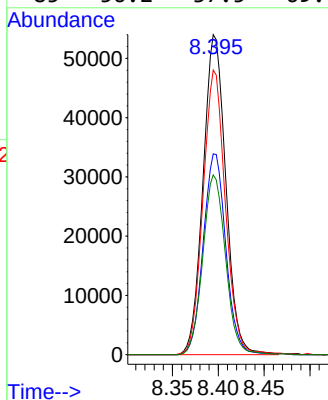
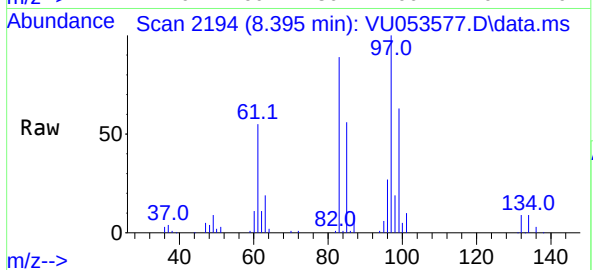


#45
1,1,2-Trichloroethane
Concen: 54.172 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

Tgt Ion: 97 Resp: 93339

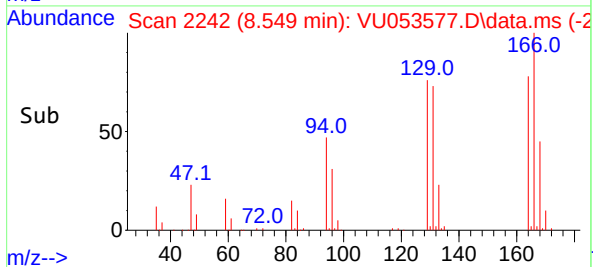
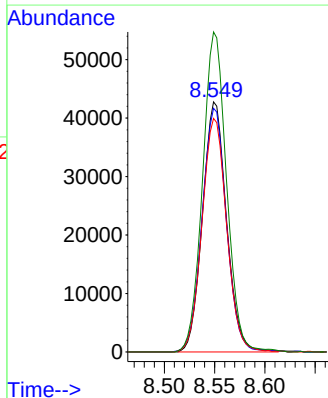
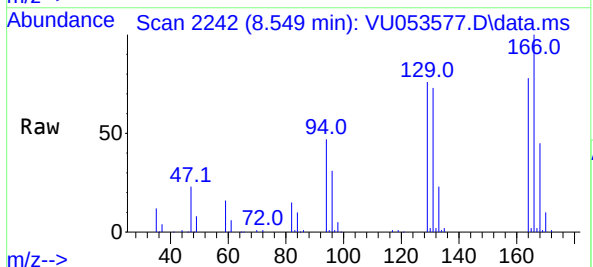
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.8	81.3
83	89.0	59.0	109.6
85	56.2	37.5	69.7

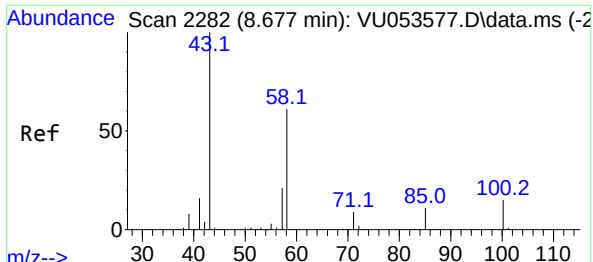


#46
Tetrachloroethene
Concen: 45.786 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 164 Resp: 71024

Ion	Ratio	Lower	Upper
164	100		
129	97.5	64.0	119.0
131	93.5	61.9	115.1
166	128.0	90.6	168.2



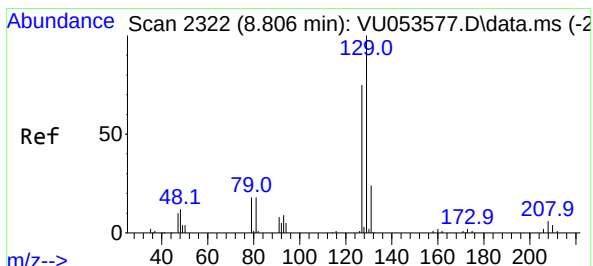
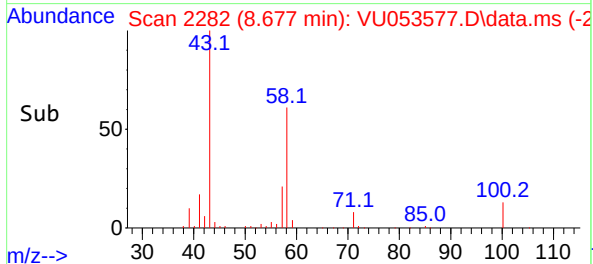
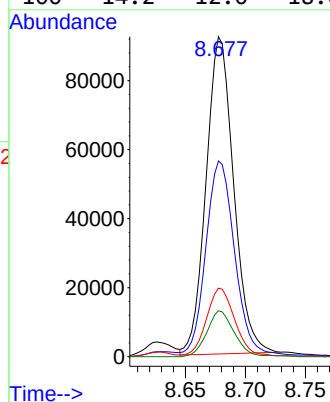
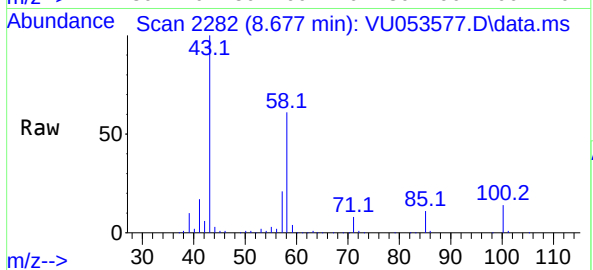


#48
2-Hexanone
Concen: 106.852 ug/L
RT: 8.677 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

Tgt Ion: 43 Resp: 147403

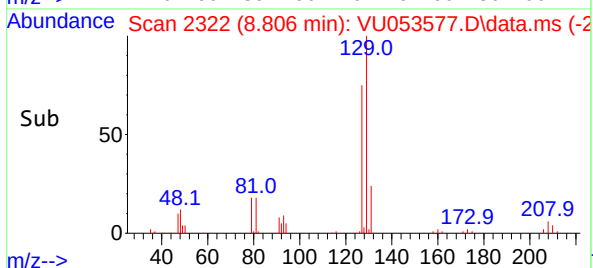
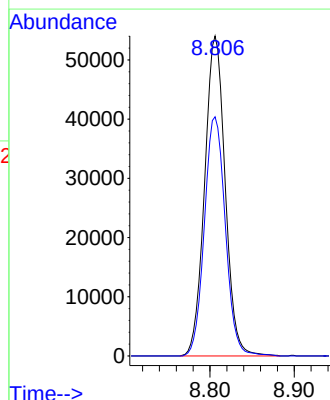
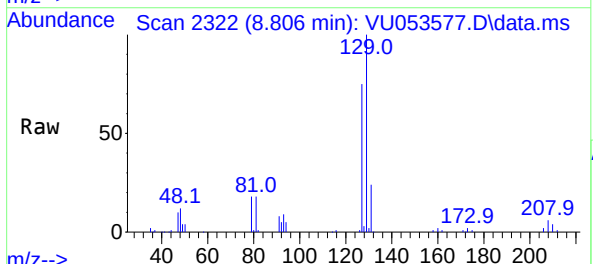
Ion	Ratio	Lower	Upper
43	100		
58	65.7	49.8	74.6
57	22.5	17.8	26.6
100	14.2	12.0	18.0

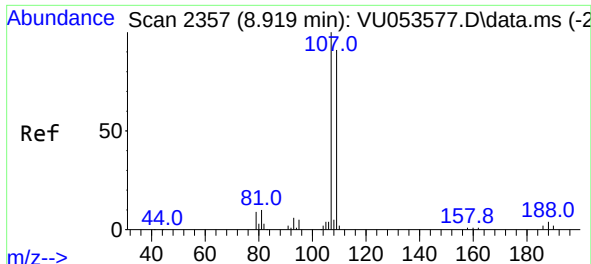


#49
Dibromochloromethane
Concen: 51.270 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 129 Resp: 91855

Ion	Ratio	Lower	Upper
129	100		
127	74.7	53.5	99.3



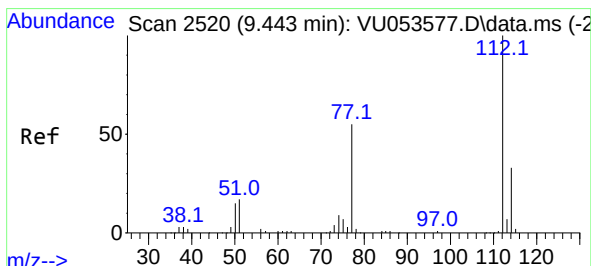
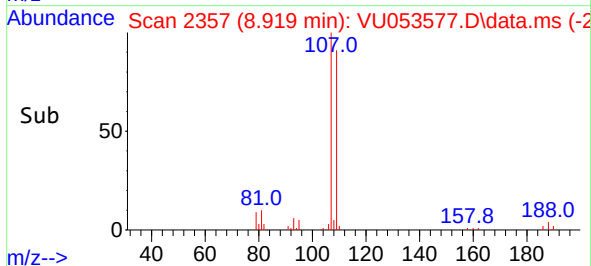
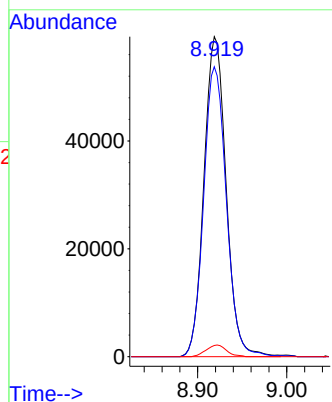
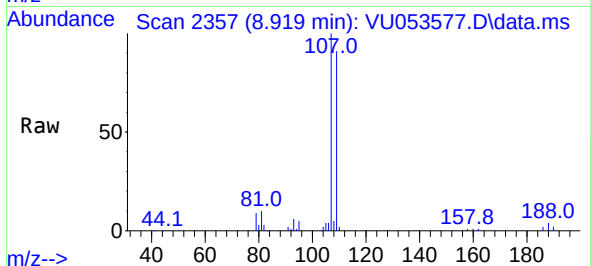


#50
1,2-Dibromoethane
Concen: 53.054 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

Tgt Ion:107 Resp: 102271

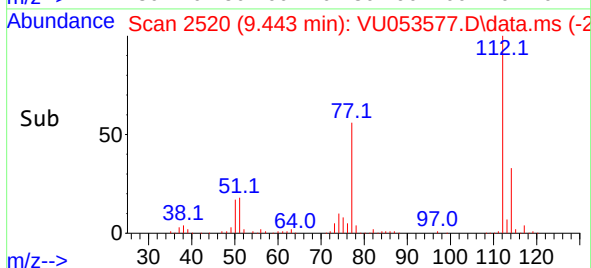
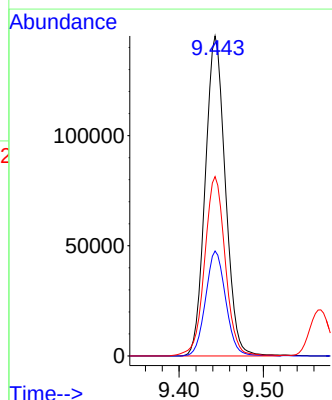
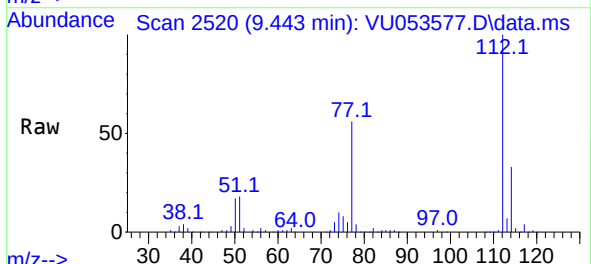
Ion	Ratio	Lower	Upper
107	100		
109	90.6	66.3	123.1
188	3.5	3.0	4.4

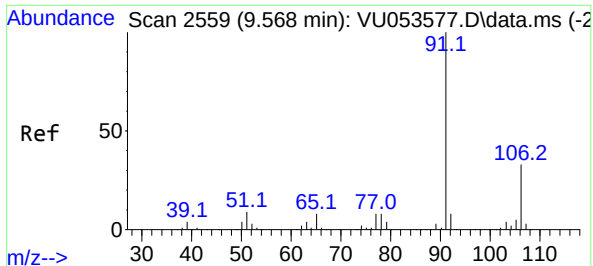


#51
Chlorobenzene
Concen: 50.050 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:112 Resp: 241528

Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.2	41.2
77	56.1	41.3	61.9

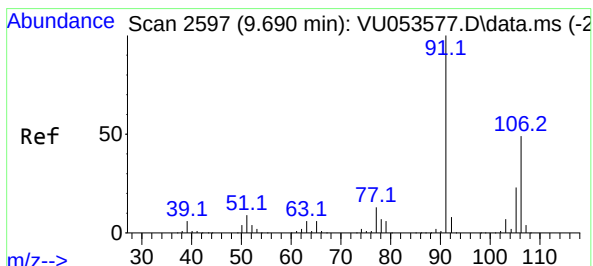
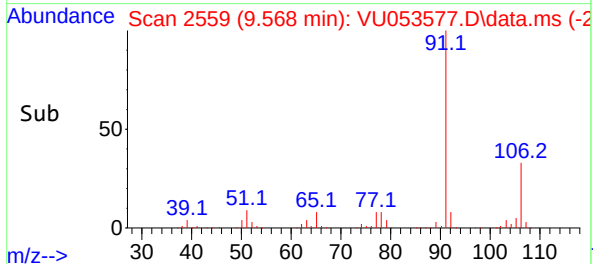
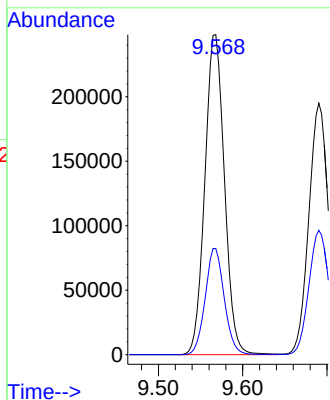
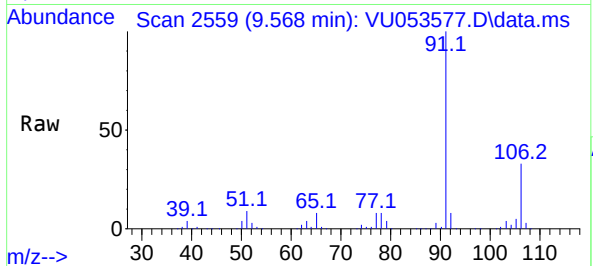




#52
Ethylbenzene
Concen: 51.528 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

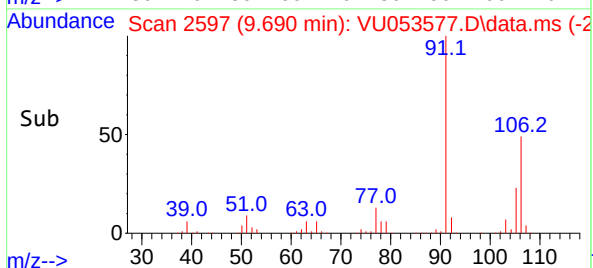
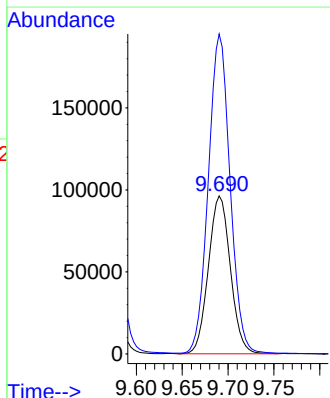
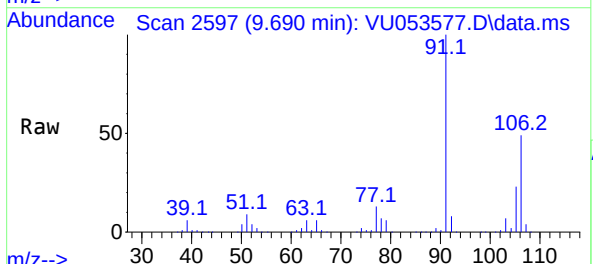
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

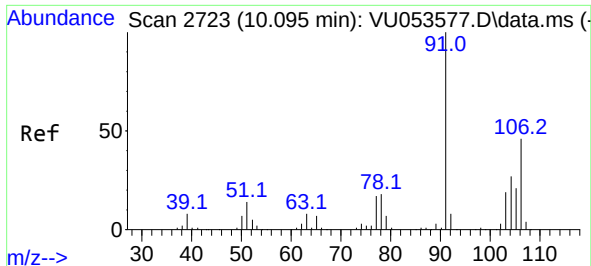
Tgt Ion: 91 Resp: 401753
Ion Ratio Lower Upper
91 100
106 33.2 22.4 41.6



#53
m,p-Xylene
Concen: 52.707 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 106 Resp: 160721
Ion Ratio Lower Upper
106 100
91 202.3 140.0 260.0

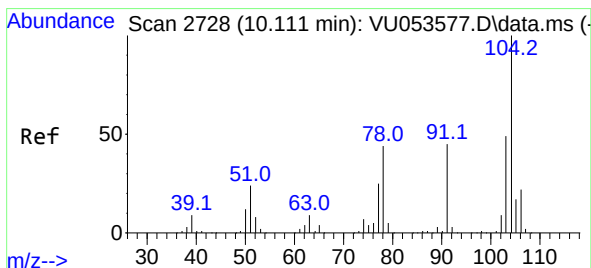
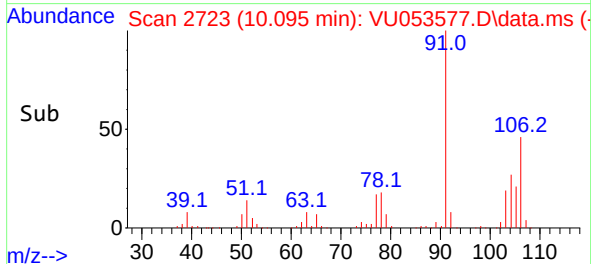
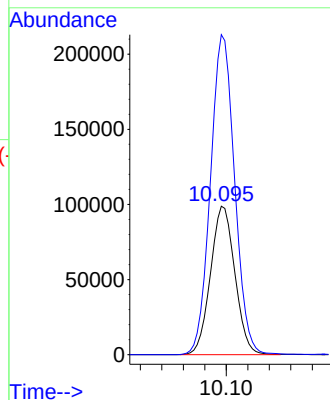
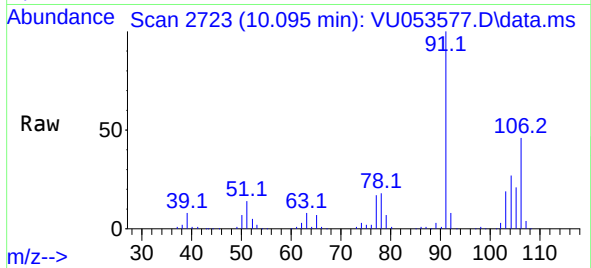




#54
o-xylene
Concen: 51.621 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

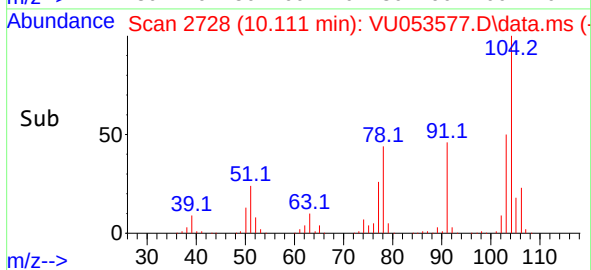
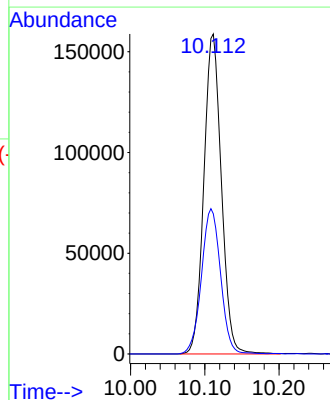
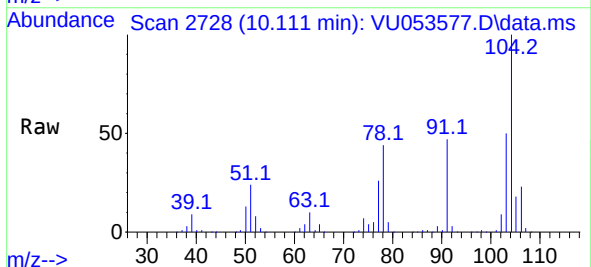
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

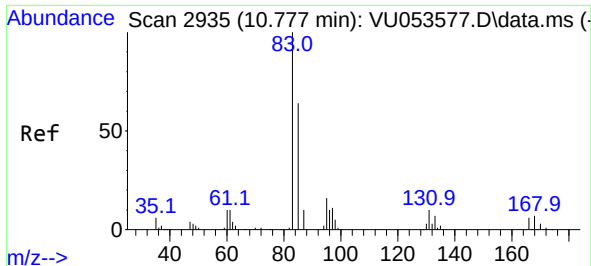
Tgt Ion:106 Resp: 155630
Ion Ratio Lower Upper
106 100
91 215.6 144.9 269.1



#55
Styrene
Concen: 52.879 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:104 Resp: 259668
Ion Ratio Lower Upper
104 100
78 43.8 31.3 58.1



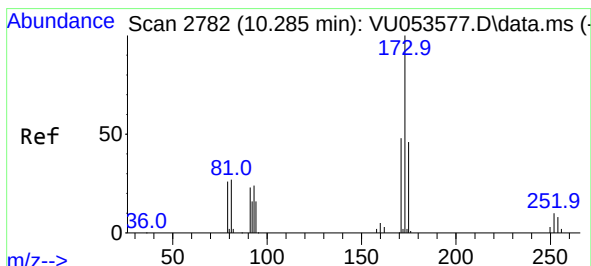
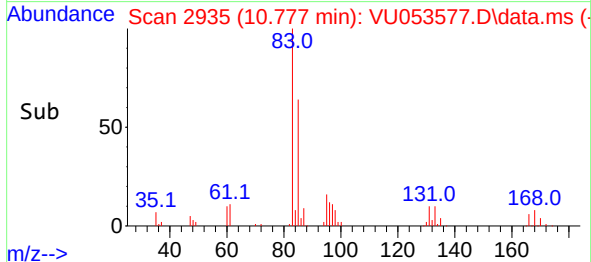
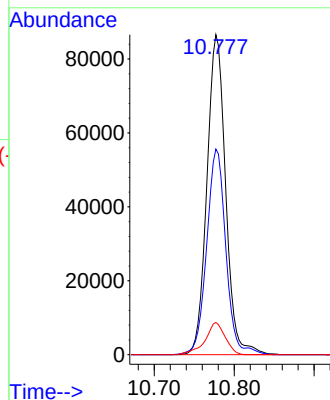
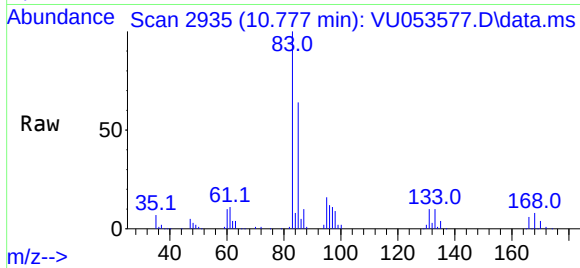


#57
 1,1,2,2-Tetrachloroethane
 Concen: 55.836 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU053577.D
 Acq: 05 Apr 2023 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050185

Tgt Ion: 83 Resp: 141253

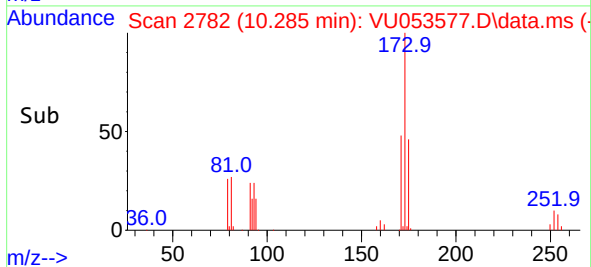
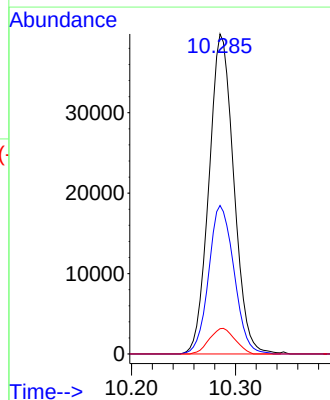
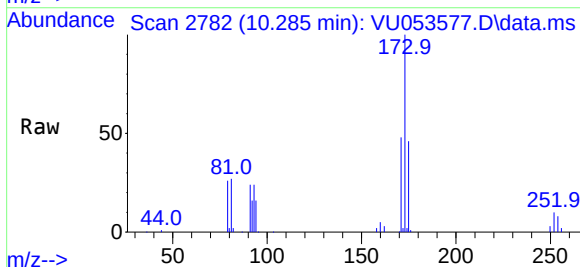
Ion	Ratio	Lower	Upper
83	100		
85	64.2	47.0	87.4
131	10.1	8.7	13.1

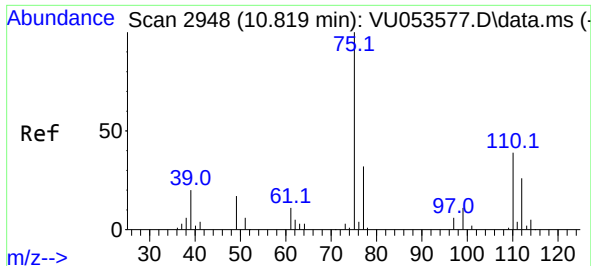


#59
 Bromoform
 Concen: 51.987 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU053577.D
 Acq: 05 Apr 2023 10:09

Tgt Ion: 173 Resp: 66092

Ion	Ratio	Lower	Upper
173	100		
175	47.4	39.0	58.6
254	8.2	7.0	10.4

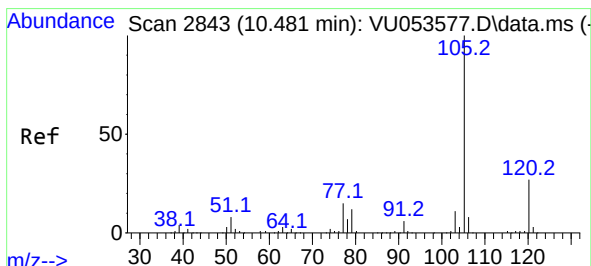
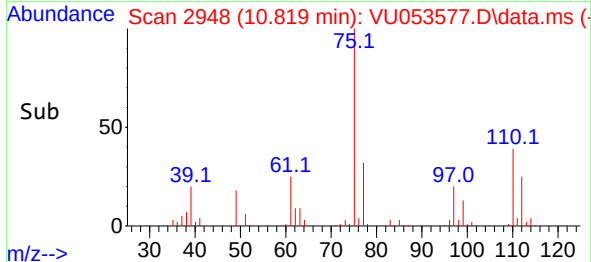
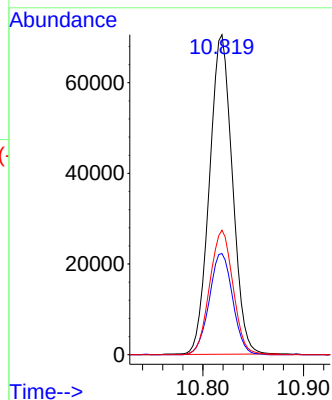
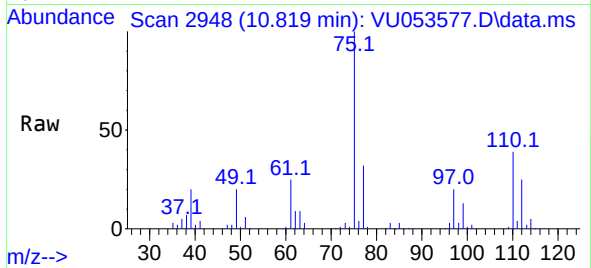




#60
1,2,3-Trichloropropane
Concen: 62.021 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

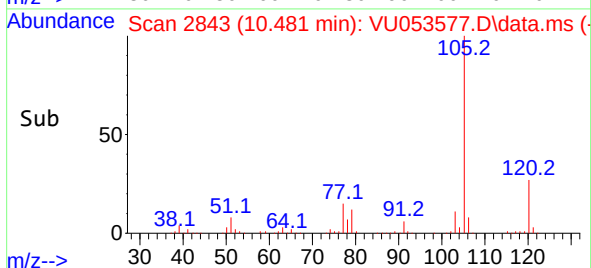
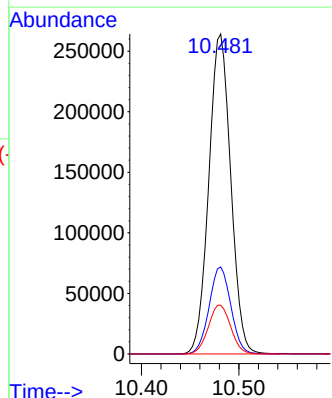
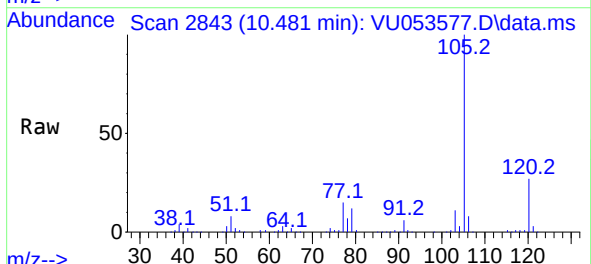
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

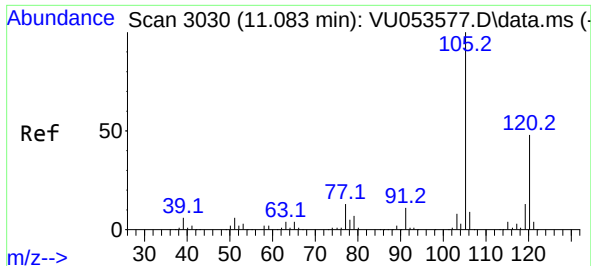
Tgt Ion: 75 Resp: 111696
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 39.7 32.6 48.8



#61
Isopropylbenzene
Concen: 56.330 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion: 105 Resp: 413658
Ion Ratio Lower Upper
105 100
120 26.9 22.4 33.6
77 15.6 12.1 18.1

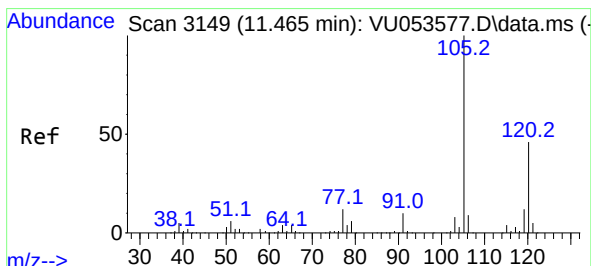
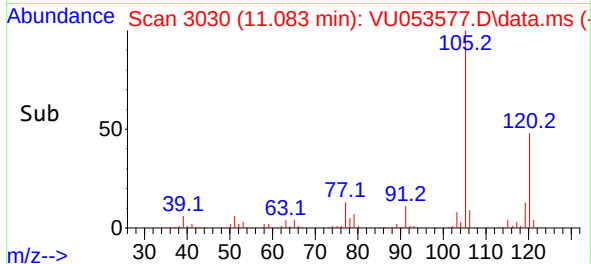
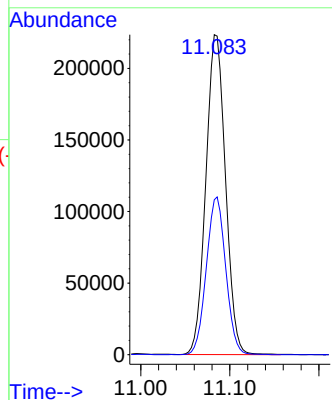
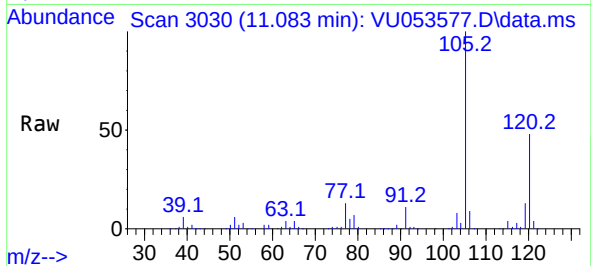




#62
1,3,5-Trimethylbenzene
Concen: 55.884 ug/L
RT: 11.083 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

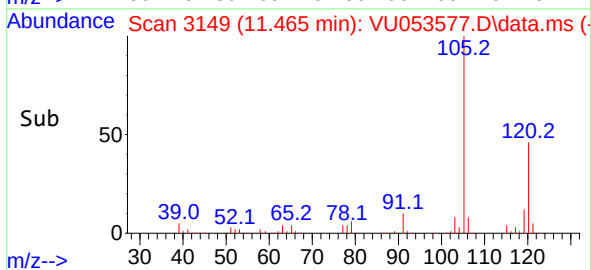
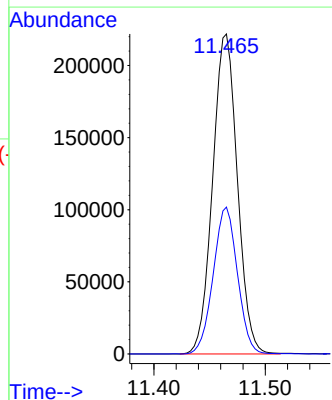
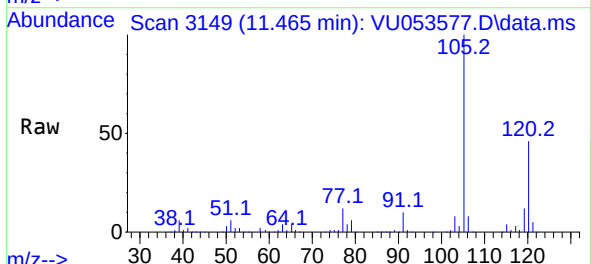
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

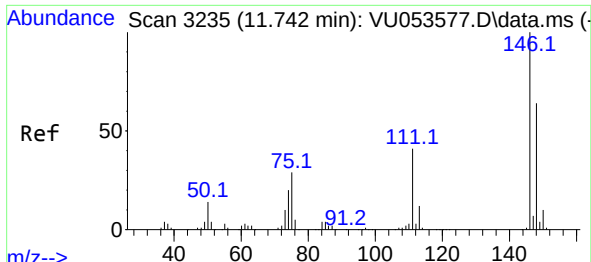
Tgt Ion:105 Resp: 341141
Ion Ratio Lower Upper
105 100
120 48.8 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 56.599 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:105 Resp: 342206
Ion Ratio Lower Upper
105 100
120 45.0 37.5 56.3

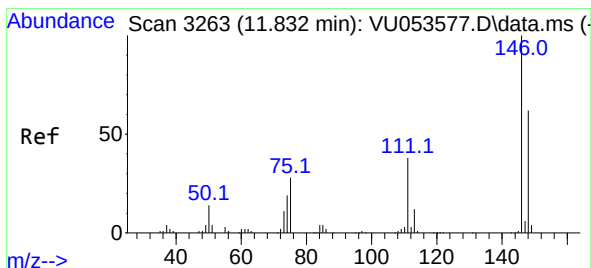
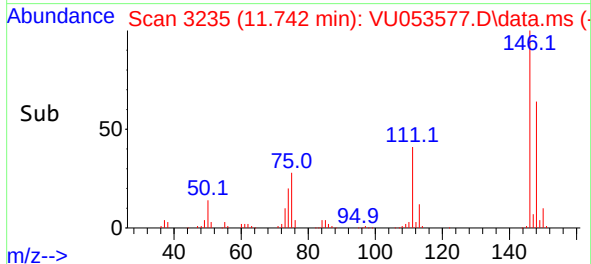
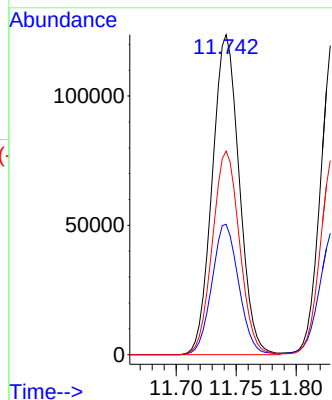
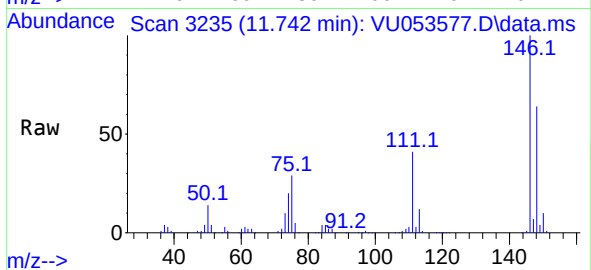




#64
1,3-Dichlorobenzene
Concen: 50.422 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

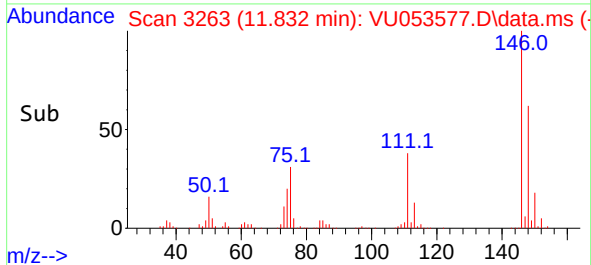
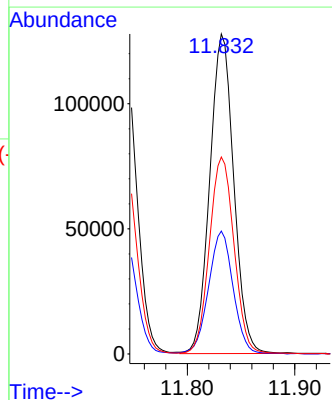
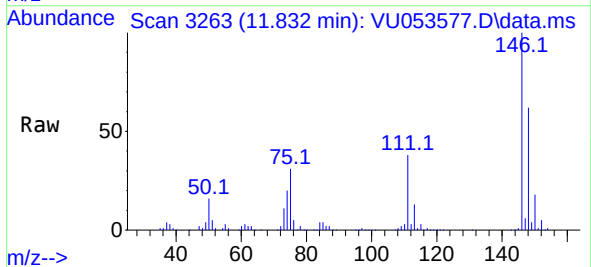
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

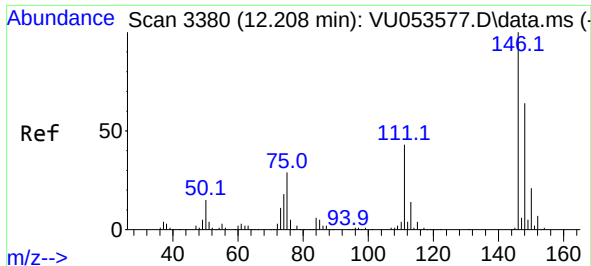
Tgt Ion:146 Resp: 193476
Ion Ratio Lower Upper
146 100
111 40.8 25.7 47.7
148 63.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 50.602 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:146 Resp: 197891
Ion Ratio Lower Upper
146 100
111 38.4 25.1 46.5
148 61.5 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 50.695 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053577.D

Acq: 05 Apr 2023 10:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD050185

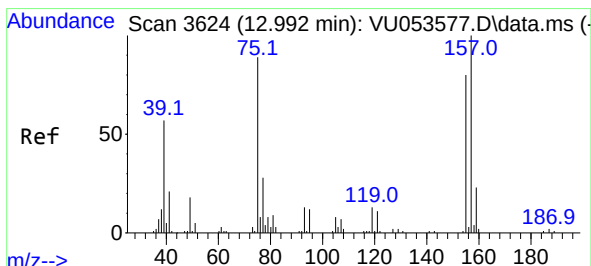
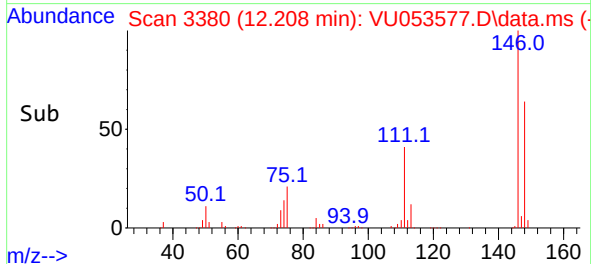
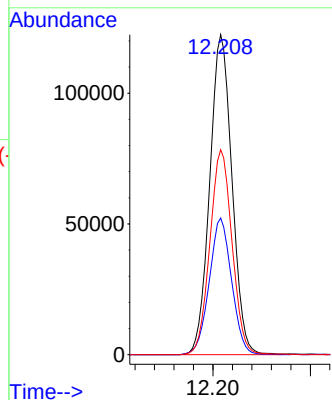
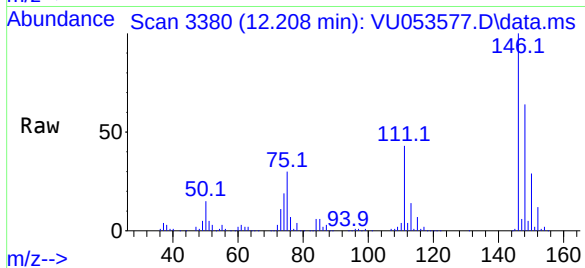
Tgt Ion:146 Resp: 193870

Ion Ratio Lower Upper

146 100

111 42.7 31.5 47.3

148 64.0 51.6 77.4



#68

1,2-Dibromo-3-chloropropane

Concen: 62.442 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.003 min

Lab File: VU053577.D

Acq: 05 Apr 2023 10:09

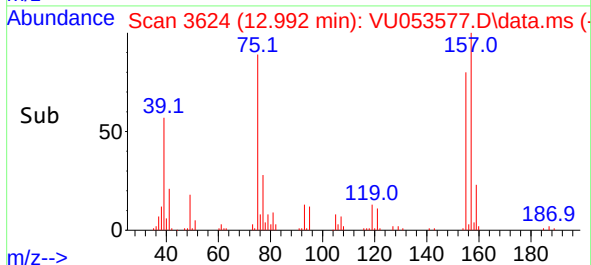
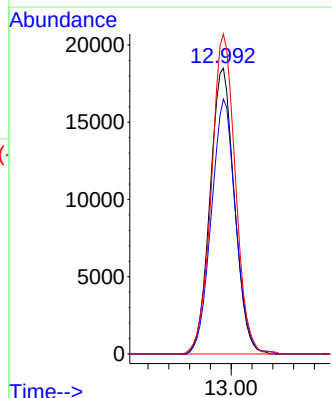
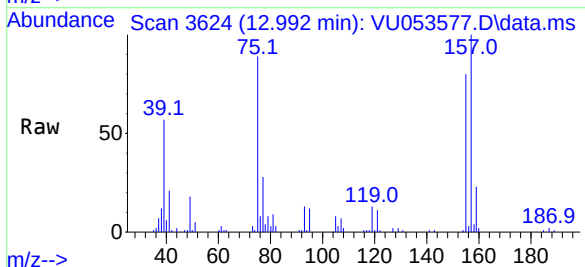
Tgt Ion: 75 Resp: 29979

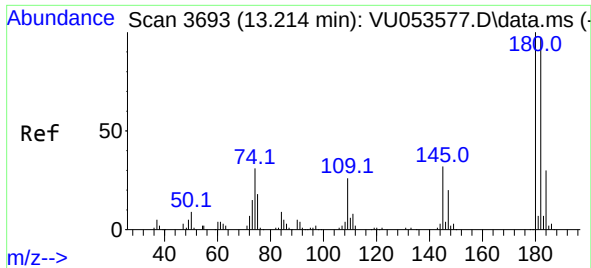
Ion Ratio Lower Upper

75 100

155 89.2 79.9 119.9

157 112.0 100.8 151.2

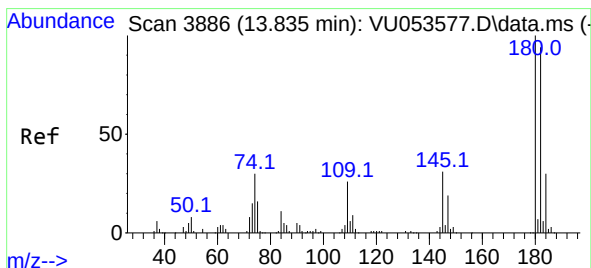
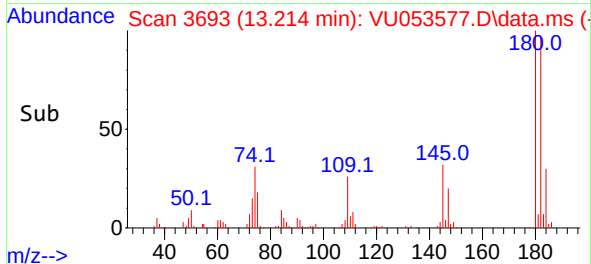
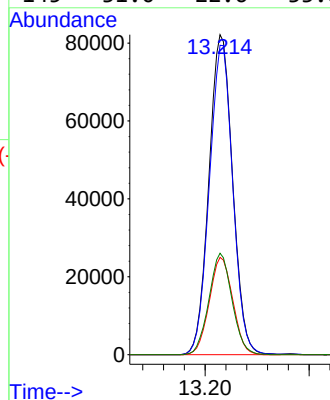
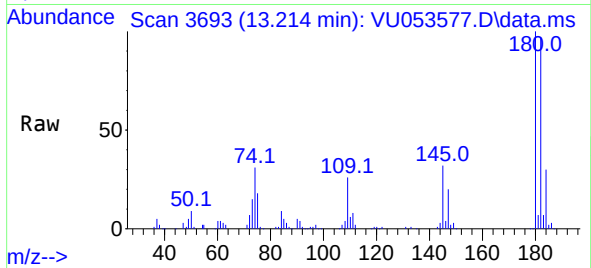




#69
1,3,5-Trichlorobenzene
Concen: 45.628 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

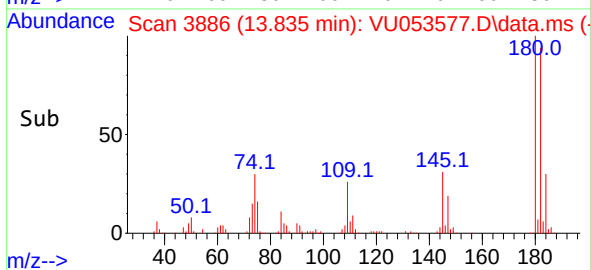
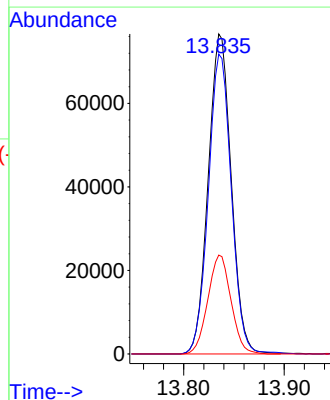
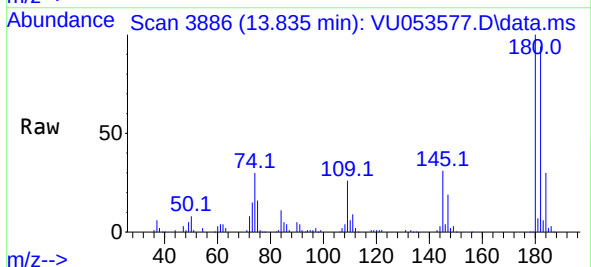
Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

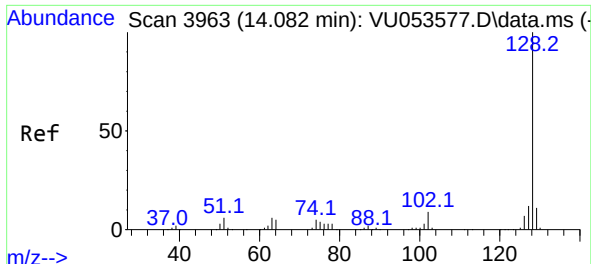
Tgt Ion:180 Resp: 129652
Ion Ratio Lower Upper
180 100
182 95.9 75.6 113.4
184 30.1 24.2 36.2
145 31.0 22.6 33.8



#70
1,2,4-trichlorobenzene
Concen: 46.127 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:180 Resp: 121520
Ion Ratio Lower Upper
180 100
182 93.9 75.8 113.8
145 31.1 23.4 35.2



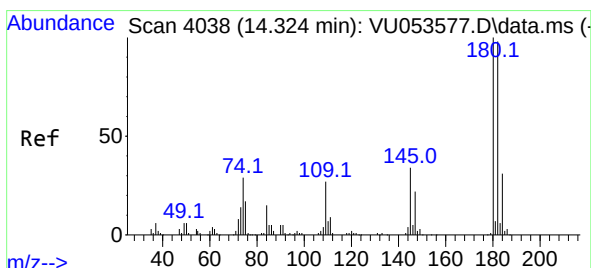
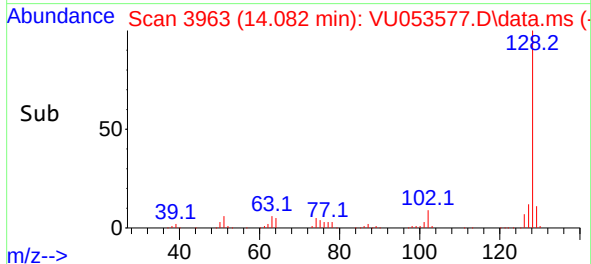
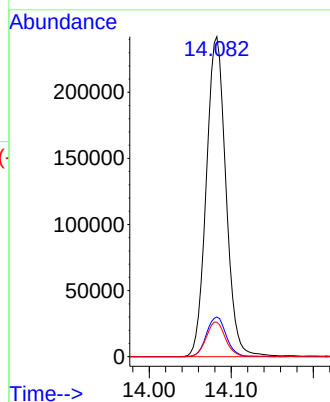
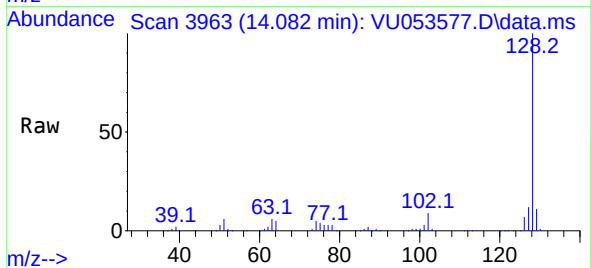


#71
Naphthalene
Concen: 50.956 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD050185

Tgt Ion:128 Resp: 401803

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 46.359 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053577.D
Acq: 05 Apr 2023 10:09

Tgt Ion:180 Resp: 121985

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
145	32.8	25.4	38.0

