

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042823\
 Data File : VU053963.D
 Acq On : 28 Apr 2023 02:31
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005165

Quant Time: Apr 28 07:23:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	153952	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	144858	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	85667	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33292	3.550	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.000%
7) Chloroethane-d5	1.912	69	26915	3.420	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.400%
11) 1,1-Dichloroethene-d2	2.565	65	13730	3.558	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.200%
20) 2-Butanone-d5	4.636	46	81812	47.635	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.260%
24) Chloroform-d	5.060	84	105126	5.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.000%
26) 1,2-Dichloroethane-d4	5.697	65	34100	4.176	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
32) Benzene-d6	5.723	84	138719	4.065	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.687	67	44796	4.339	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.800%
41) Toluene-d8	7.896	98	132937	4.174	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	8.176	79	17054	4.200	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.629	63	71206	49.556	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.120%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	43358	5.197	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	52871	3.848	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	462964	40.536	ug/L	96
3) Chloromethane	1.520	50	420334	37.900	ug/L	100
5) Vinyl chloride	1.604	62	513640	40.140	ug/L	100
6) Bromomethane	1.858	94	336658	40.426	ug/L	93
8) Chloroethane	1.935	64	313722	39.277	ug/L	98
9) Trichlorofluoromethane	2.138	101	782511	41.417	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	453518	41.305	ug/L	98
12) 1,1-Dichloroethene	2.578	96	413006	42.651	ug/L #	78
13) Acetone	2.652	43	110309	79.201	ug/L	96
14) Carbon disulfide	2.790	76	973603	36.692	ug/L	100
15) Methyl Acetate	2.954	43	143944	47.887	ug/L	96
16) Methylene chloride	3.044	84	448570	33.943	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	1041951	49.672	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	422703	43.197	ug/L	95
19) 1,1-Dichloroethane	3.864	63	816556	46.110	ug/L	99
21) 2-Butanone	4.713	43	184779	95.843	ug/L	98
22) cis-1,2-Dichloroethene	4.662	96	507337	45.960	ug/L	97
23) Bromochloromethane	4.970	128	223552	45.509	ug/L	97
25) Chloroform	5.083	83	881468	45.834	ug/L	99

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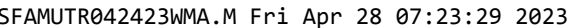
Instrument :
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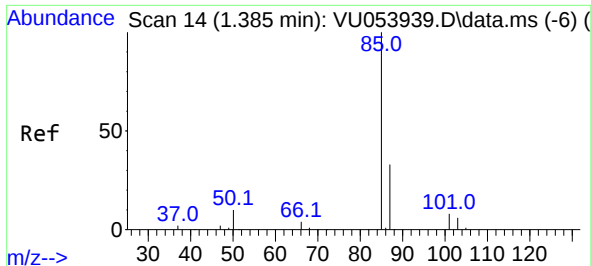
Quant Time: Apr 28 07:23:26 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	498645	45.230	ug/L	98
29) 1,1,1-Trichloroethane	5.311	97	761169	46.742	ug/L	98
30) Cyclohexane	5.385	56	622921	42.575	ug/L	99
31) Carbon tetrachloride	5.520	117	663932	46.903	ug/L	98
33) Benzene	5.771	78	1822272	44.628	ug/L	100
34) Trichloroethene	6.536	95	549015	49.342	ug/L	100
35) Methylcyclohexane	6.758	83	726387	42.262	ug/L	97
37) 1,2-Dichloropropane	6.787	63	485683	47.942	ug/L	98
38) Bromodichloromethane	7.099	83	626170	49.448	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	722384	47.288	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	450370	98.554	ug/L	98
42) Toluene	7.964	91	2033818	46.971	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	589988	47.757	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	363137	47.826	ug/L	98
47) Tetrachloroethene	8.549	164	592965	67.238	ug/L	99
48) 2-Hexanone	8.681	43	317161	91.311	ug/L	96
49) Dibromochloromethane	8.806	129	422005	52.490	ug/L	97
50) 1,2-Dibromoethane	8.919	107	342942	48.823	ug/L #	98
51) Chlorobenzene	9.443	112	1355531	46.109	ug/L	99
52) Ethylbenzene	9.565	91	2329760	48.996	ug/L	99
53) m,p-Xylene	9.690	106	901634	49.486	ug/L	97
54) o-Xylene	10.095	106	901447	51.274	ug/L	99
55) Styrene	10.108	104	1515902	52.704	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	435415	48.098	ug/L	98
59) Bromoform	10.285	173	241746	49.629	ug/L	99
60) Isopropylbenzene	10.478	105	2427683	47.128	ug/L	99
61) 1,2,3-Trichloropropane	10.816	75	295547	44.739	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	2073301	49.512	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	2074617	48.961	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	1144285	44.451	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	1137229	43.720	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	1071180	45.057	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	68832	50.560	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	854484	46.358	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	750110	44.701	ug/L	99
71) Naphthalene	14.079	128	1365168	46.025	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	659160	44.025	ug/L	99

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

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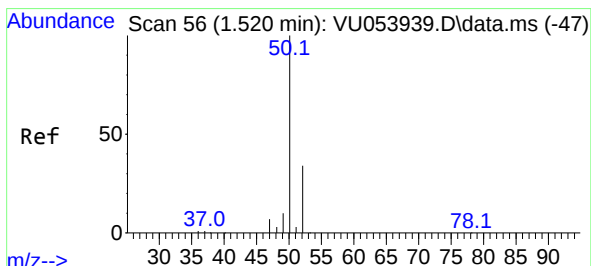
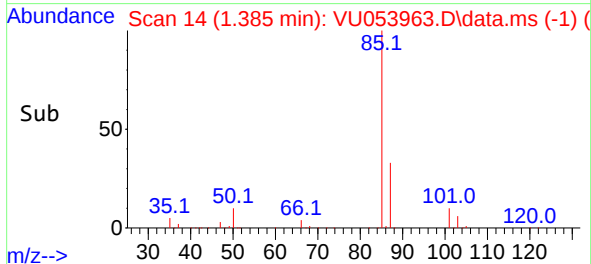
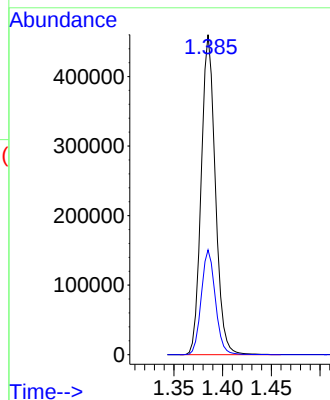
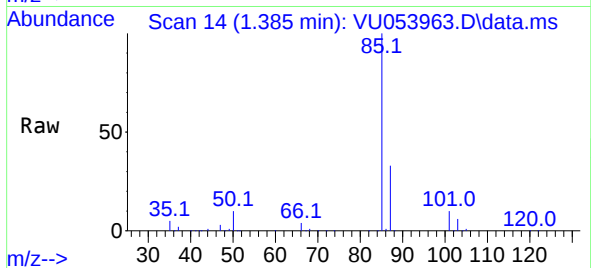




#2
Dichlorodifluoromethane
Concen: 40.536 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

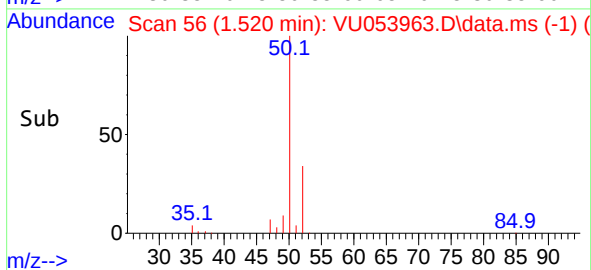
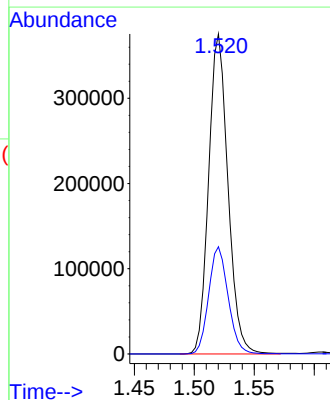
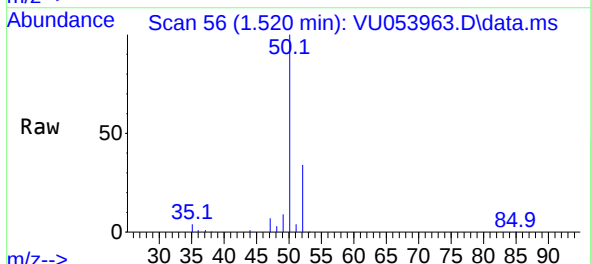
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

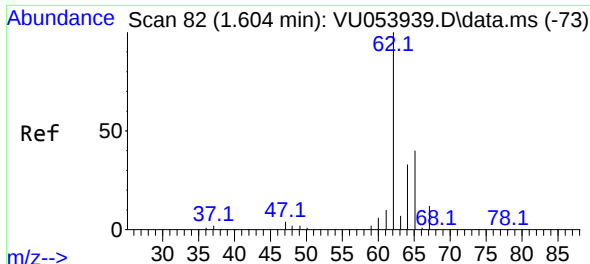
Tgt Ion: 85 Resp: 462964
Ion Ratio Lower Upper
85 100
87 32.6 24.5 36.7



#3
Chloromethane
Concen: 37.900 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 50 Resp: 420334
Ion Ratio Lower Upper
50 100
52 33.5 23.4 43.6

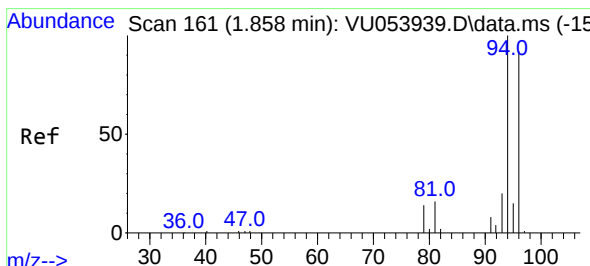
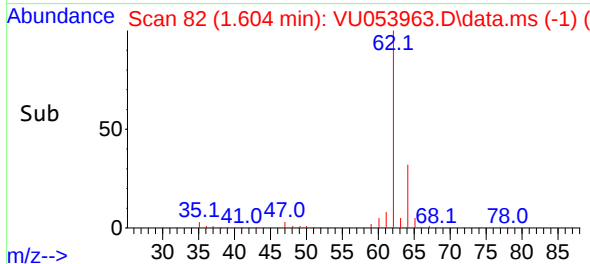
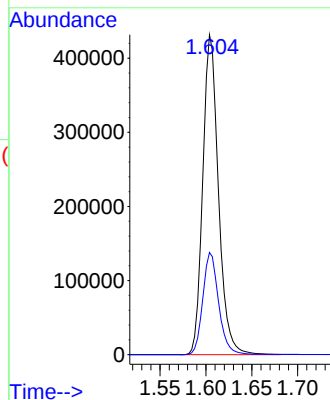
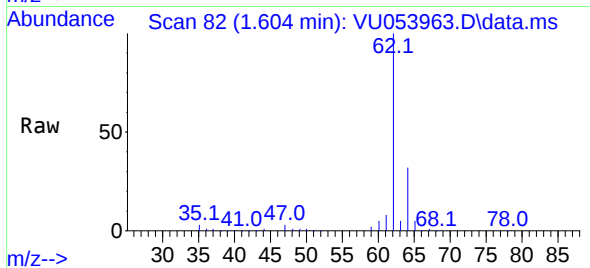




#5
 Vinyl chloride
 Concen: 40.140 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU053963.D
 Acq: 28 Apr 2023 02:31

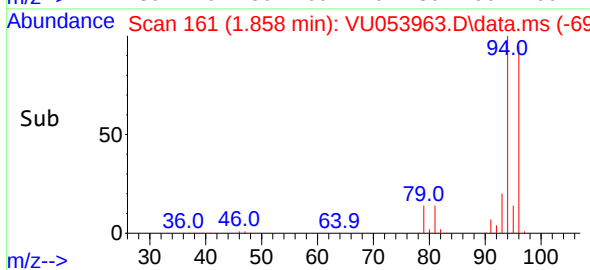
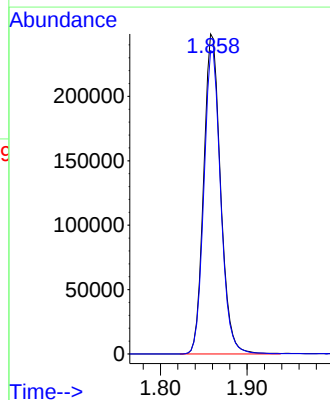
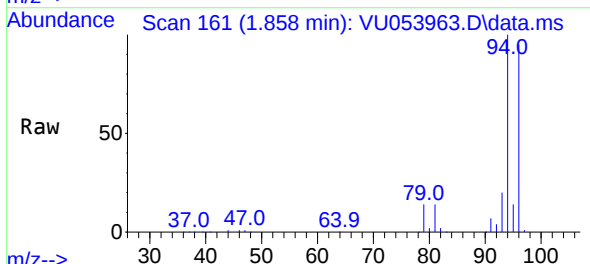
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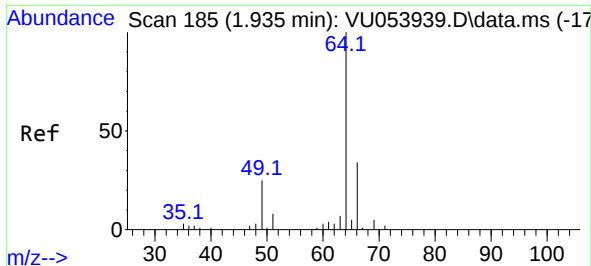
Tgt Ion: 62 Resp: 513640
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.4 41.6



#6
 Bromomethane
 Concen: 40.426 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. -0.003 min
 Lab File: VU053963.D
 Acq: 28 Apr 2023 02:31

Tgt Ion: 94 Resp: 336658
 Ion Ratio Lower Upper
 94 100
 96 94.8 61.9 114.9

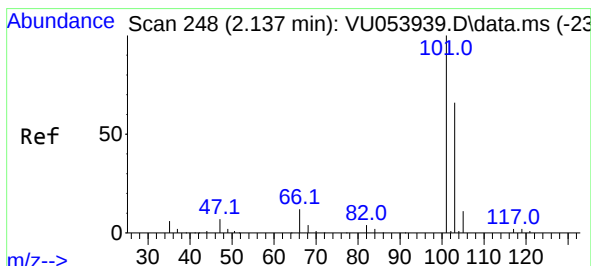
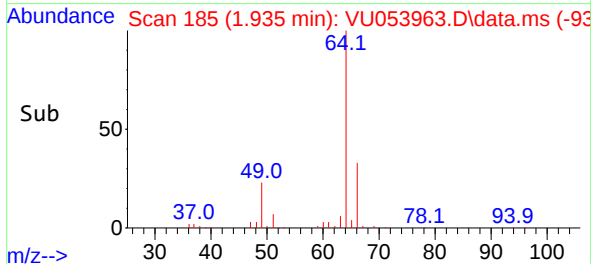
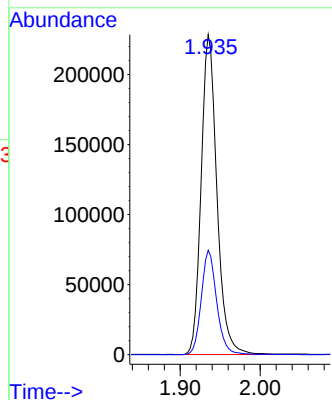
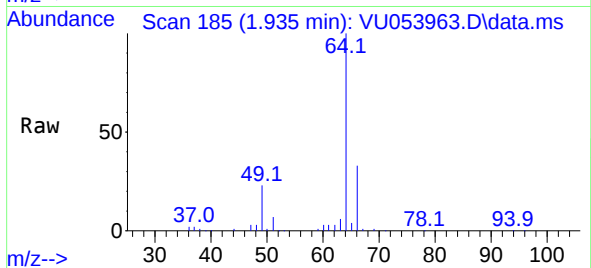




#8
Chloroethane
Concen: 39.277 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

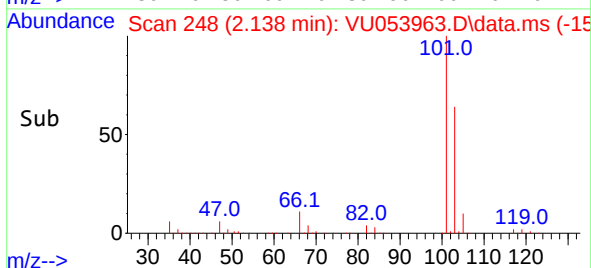
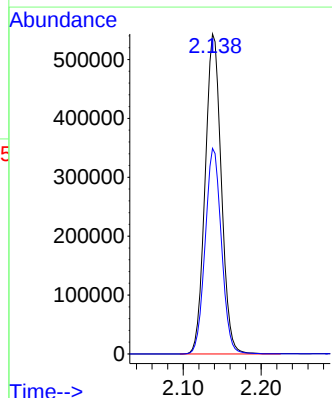
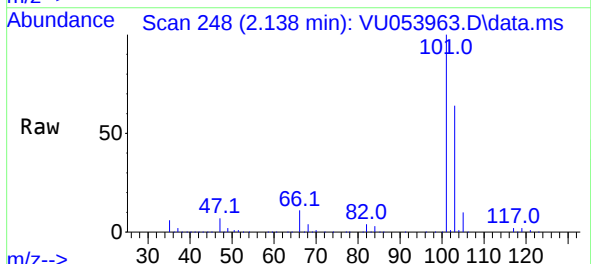
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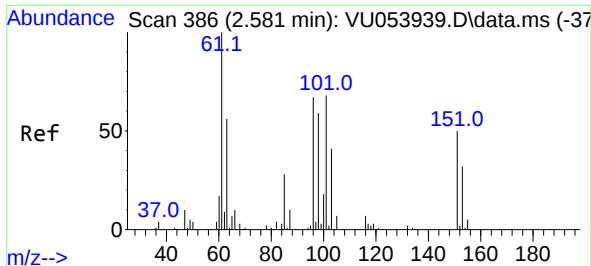
Tgt Ion: 64 Resp: 313722
Ion Ratio Lower Upper
64 100
66 32.6 23.8 44.2



#9
Trichlorofluoromethane
Concen: 41.417 ug/L
RT: 2.138 min Scan# 248
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion:101 Resp: 782511
Ion Ratio Lower Upper
101 100
103 64.6 52.6 78.8

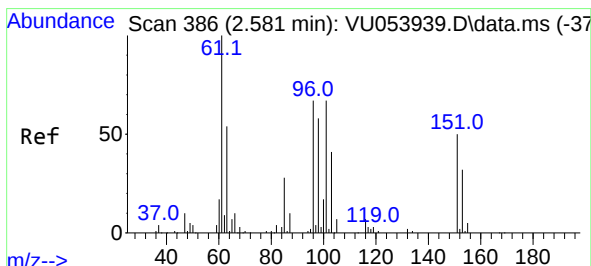
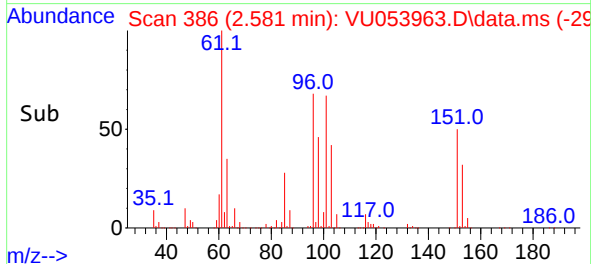
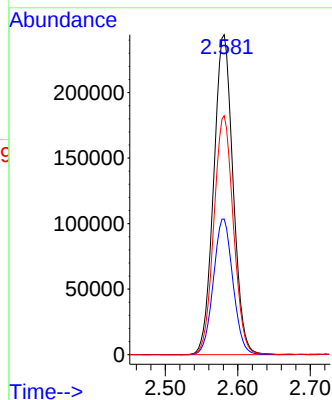
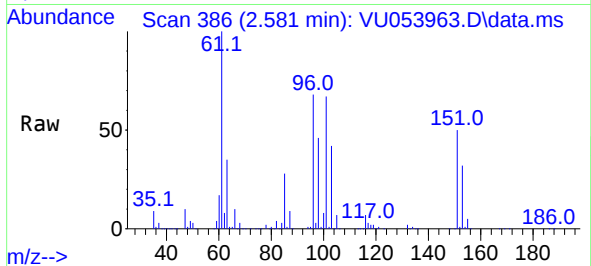




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 41.305 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

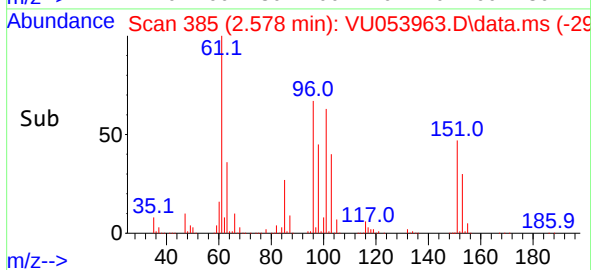
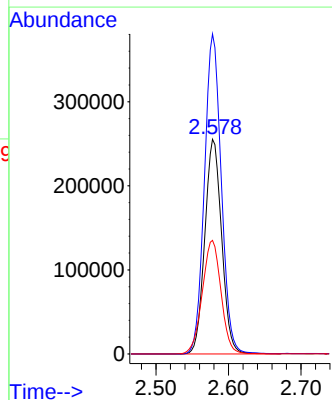
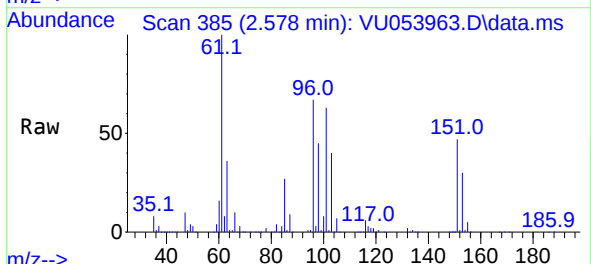
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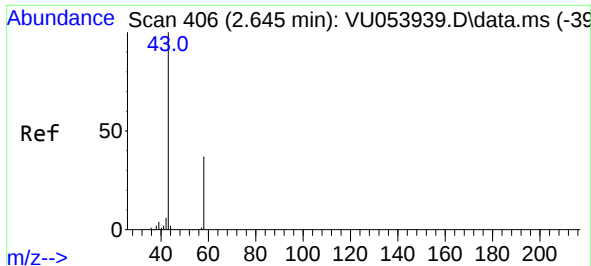
Tgt Ion:101 Resp: 453518
Ion Ratio Lower Upper
101 100
85 42.7 34.7 52.1
151 75.5 59.1 88.7



#12
1,1-Dichloroethene
Concen: 42.651 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 96 Resp: 413006
Ion Ratio Lower Upper
96 100
61 149.0 111.5 207.1
63 52.9 68.7 127.7#





#13

Acetone

Concen: 79.201 ug/L

RT: 2.652 min Scan# 408

Delta R.T. -0.010 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

Instrument :

MSVOA_U

ClientSampleId :

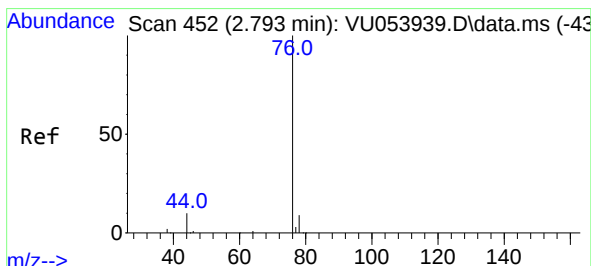
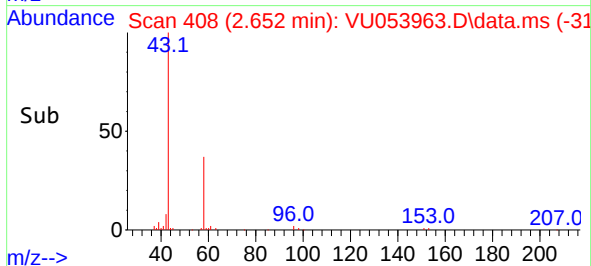
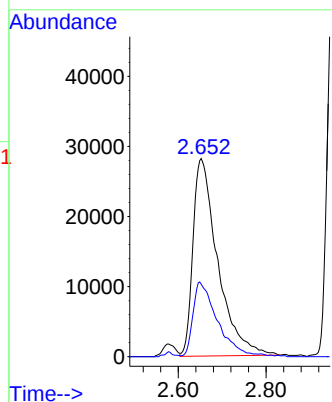
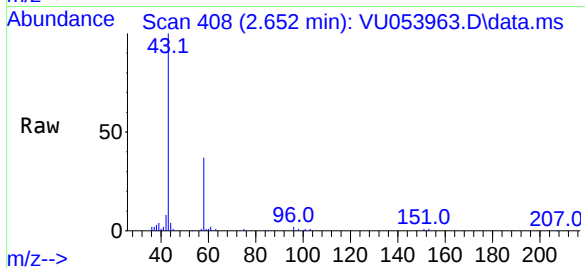
VSTD005165

Tgt Ion: 43 Resp: 110309

Ion Ratio Lower Upper

43 100

58 35.8 0.0 76.2



#14

Carbon disulfide

Concen: 36.692 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU053963.D

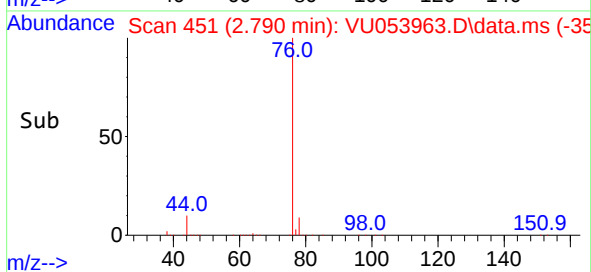
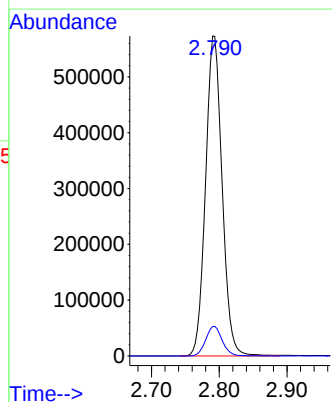
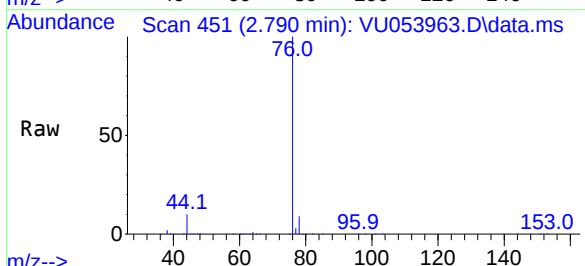
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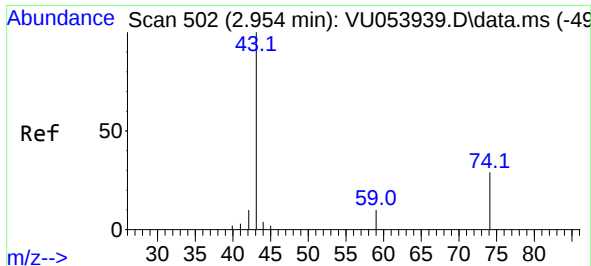
Tgt Ion: 76 Resp: 973603

Ion Ratio Lower Upper

76 100

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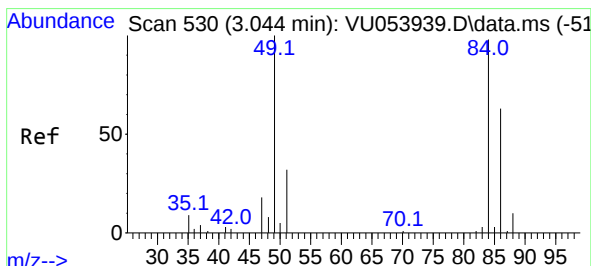
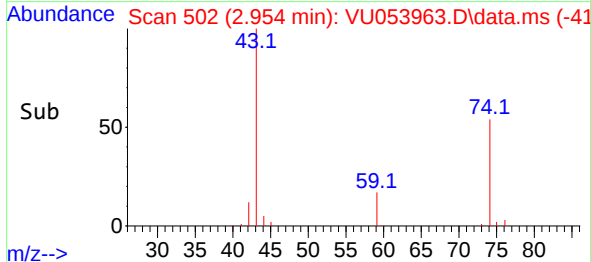
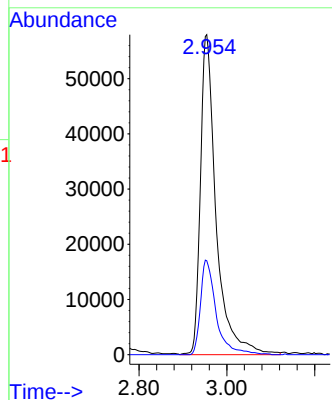
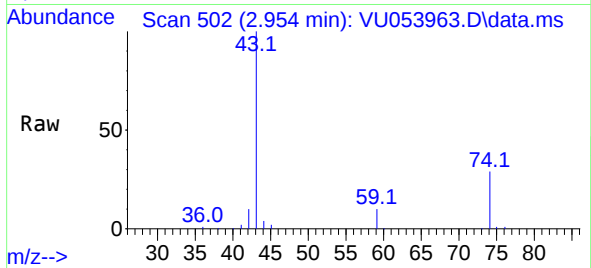




#15
Methyl Acetate
Concen: 47.887 ug/L
RT: 2.954 min Scan# 502
Delta R.T. -0.006 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

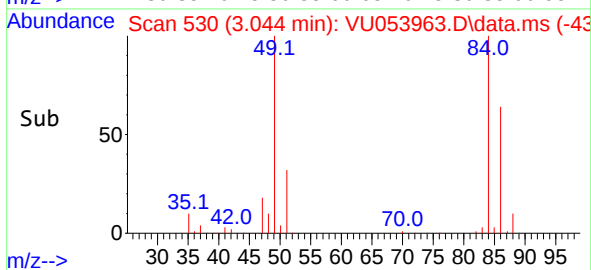
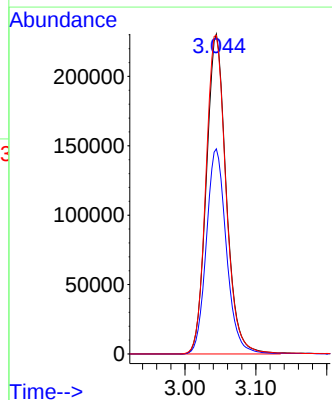
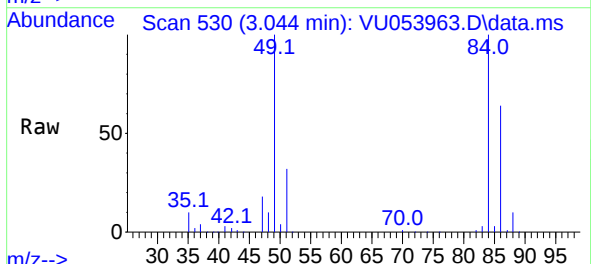
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

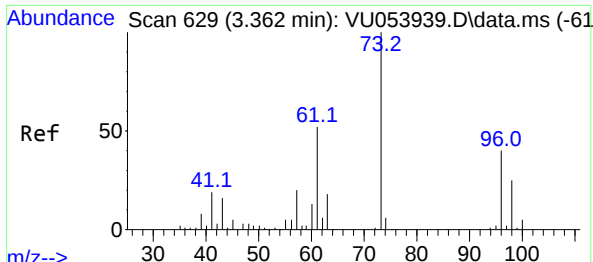
Tgt Ion: 43 Resp: 143944
Ion Ratio Lower Upper
43 100
74 29.4 22.0 33.0



#16
Methylene chloride
Concen: 33.943 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 84 Resp: 448570
Ion Ratio Lower Upper
84 100
86 64.1 45.0 83.6
49 99.6 74.8 138.8

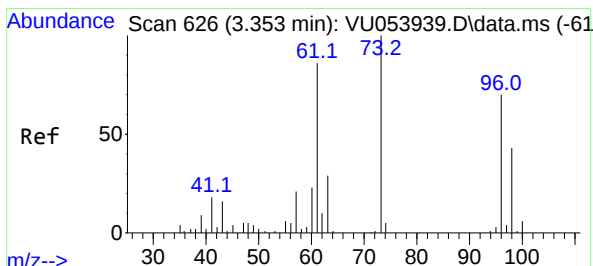
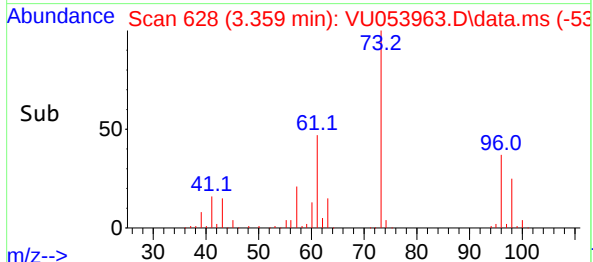
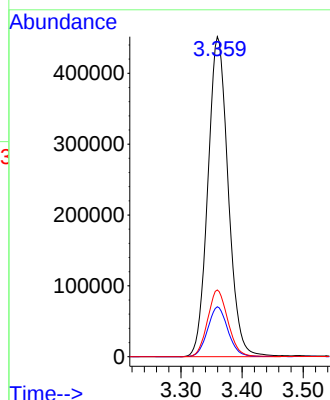
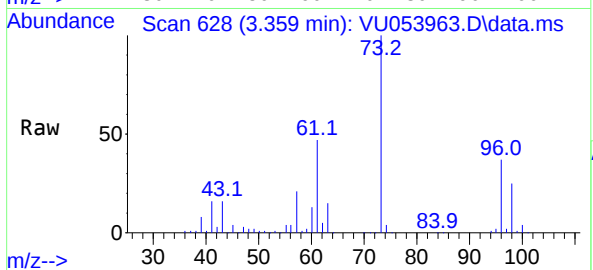




#17
Methyl tert-butyl Ether
Concen: 49.672 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

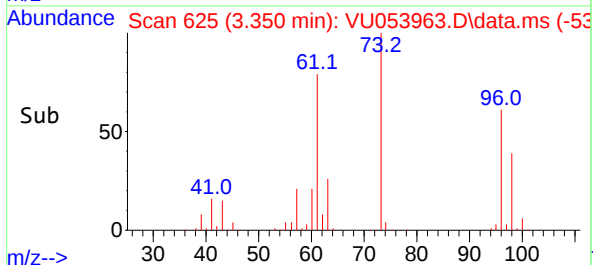
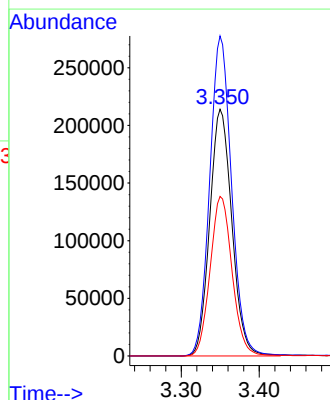
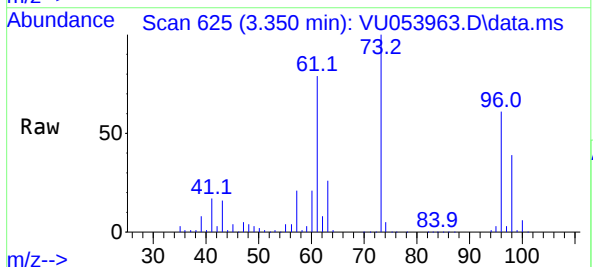
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

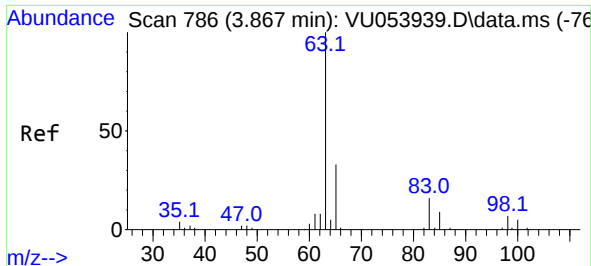
Tgt Ion: 73 Resp: 1041951
Ion Ratio Lower Upper
73 100
43 15.6 13.4 20.2
57 21.0 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 43.197 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 96 Resp: 422703
Ion Ratio Lower Upper
96 100
61 129.7 86.2 160.0
98 64.7 42.8 79.4

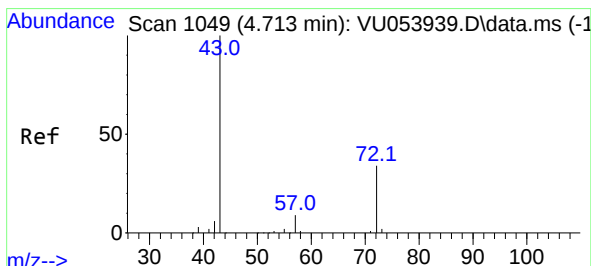
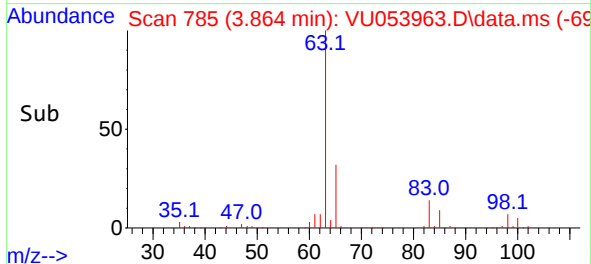
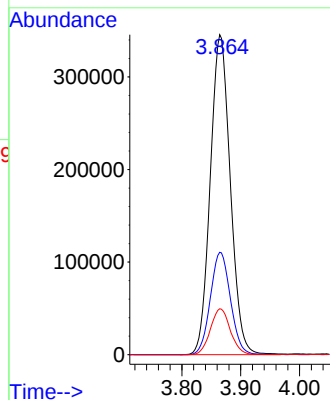
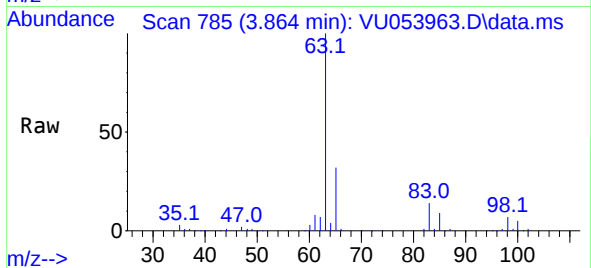




#19
1,1-Dichloroethane
Concen: 46.110 ug/L
RT: 3.864 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

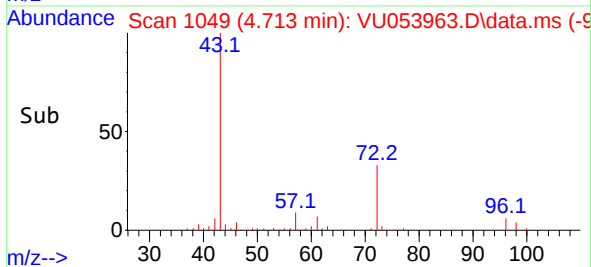
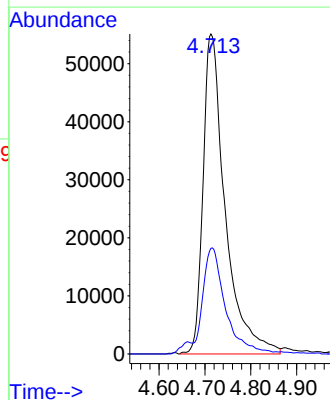
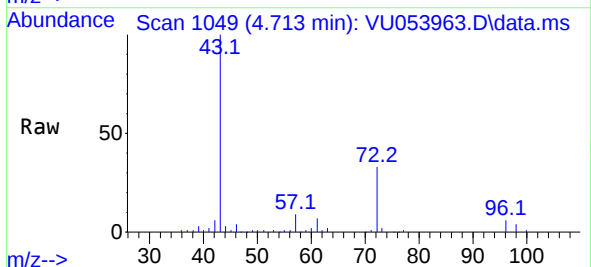
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

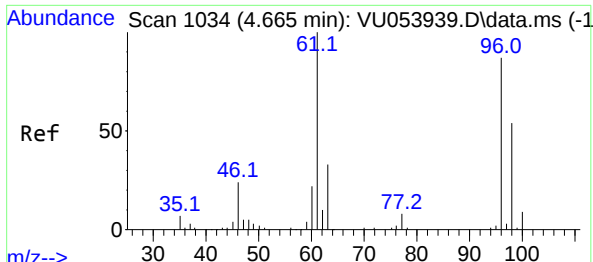
Tgt Ion: 63 Resp: 816556
Ion Ratio Lower Upper
63 100
65 32.0 22.0 40.8
83 14.3 10.3 19.1



#21
2-Butanone
Concen: 95.843 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

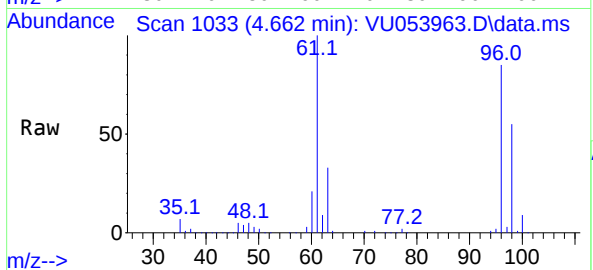
Tgt Ion: 43 Resp: 184779
Ion Ratio Lower Upper
43 100
72 32.3 15.7 47.0





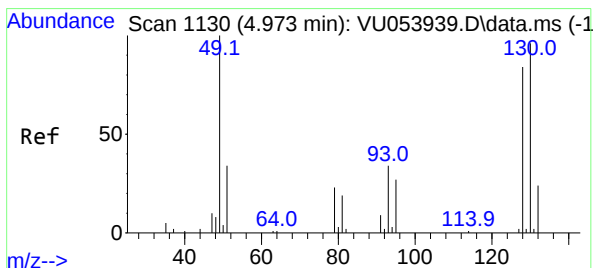
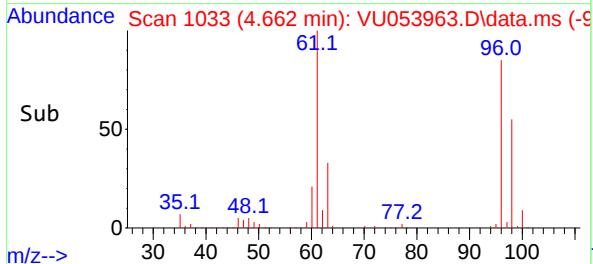
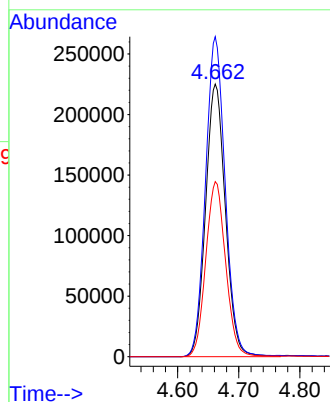
#22
cis-1,2-Dichloroethene
Concen: 45.960 ug/L
RT: 4.662 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165



Tgt Ion: 96 Resp: 507337

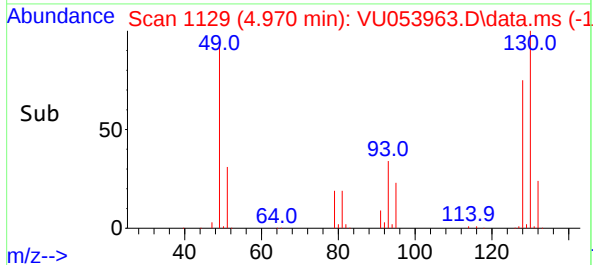
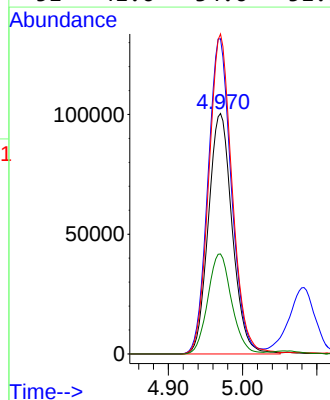
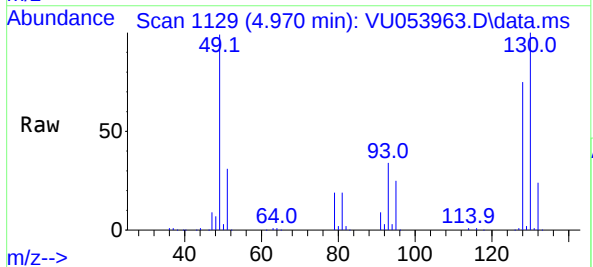
Ion	Ratio	Lower	Upper
96	100		
61	117.4	84.3	156.5
98	64.2	46.4	86.2

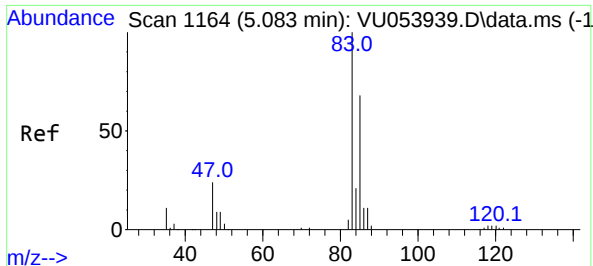


#23
Bromochloromethane
Concen: 45.509 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 128 Resp: 223552

Ion	Ratio	Lower	Upper
128	100		
49	131.1	91.3	169.5
130	133.0	87.6	162.8
51	41.6	34.6	51.8





#25

Chloroform

Concen: 45.834 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

Instrument :

MSVOA_U

ClientSampleId :

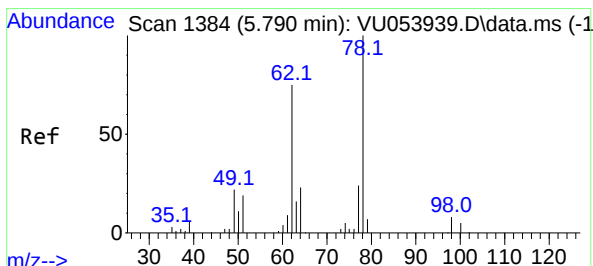
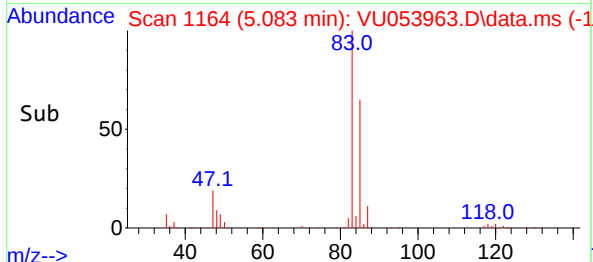
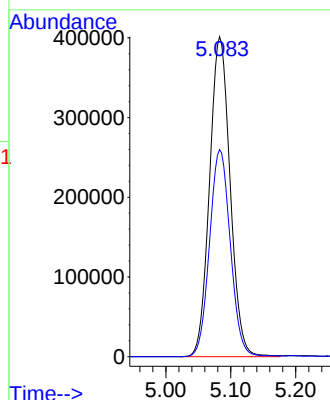
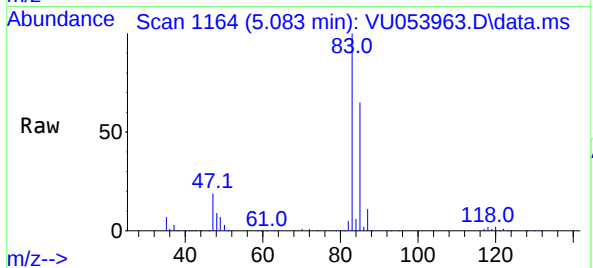
VSTD005165

Tgt Ion: 83 Resp: 881468

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8



#27

1,2-Dichloroethane

Concen: 45.230 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VU053963.D

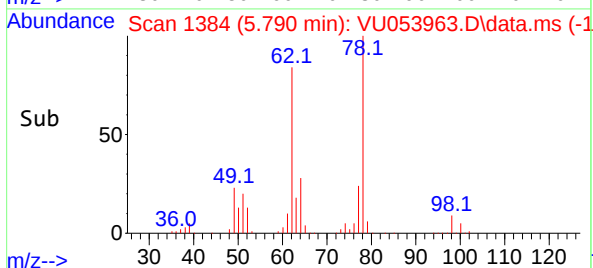
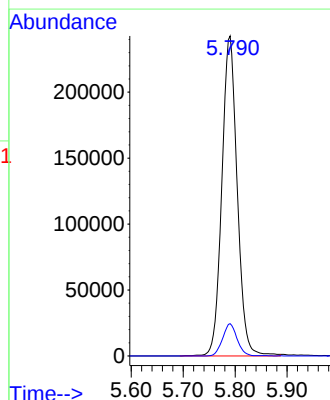
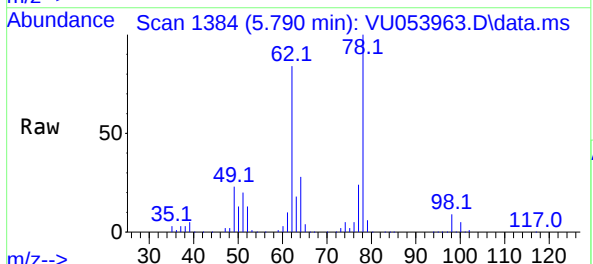
Acq: 28 Apr 2023 02:31

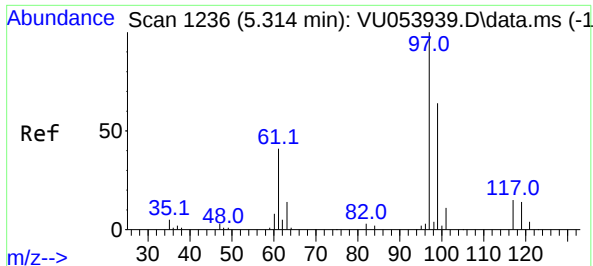
Tgt Ion: 62 Resp: 498645

Ion Ratio Lower Upper

62 100

98 10.1 8.7 13.1

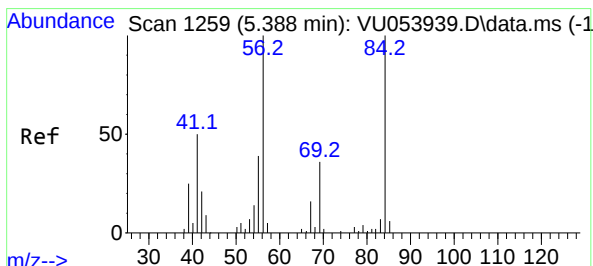
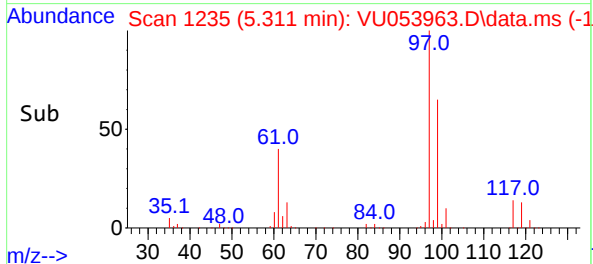
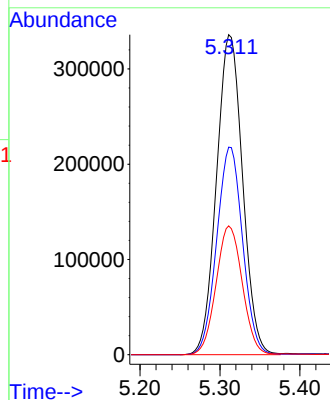
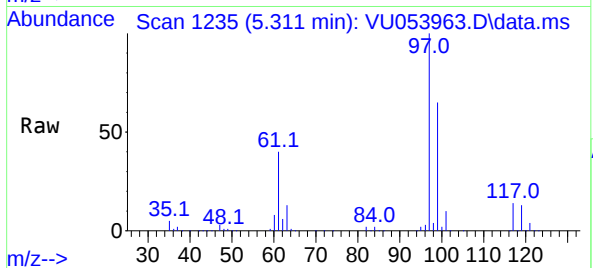




#29
1,1,1-Trichloroethane
Concen: 46.742 ug/L
RT: 5.311 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

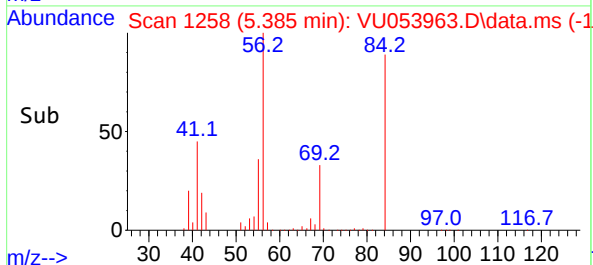
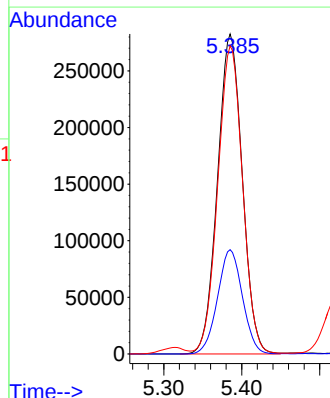
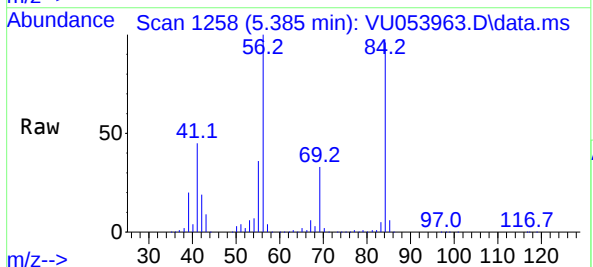
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

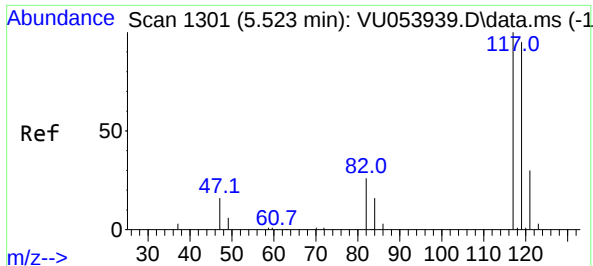
Tgt Ion: 97 Resp: 761169
Ion Ratio Lower Upper
97 100
99 64.5 52.9 79.3
61 40.6 33.8 50.8



#30
Cyclohexane
Concen: 42.575 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 56 Resp: 622921
Ion Ratio Lower Upper
56 100
69 32.8 27.0 40.4
84 96.7 78.0 117.0

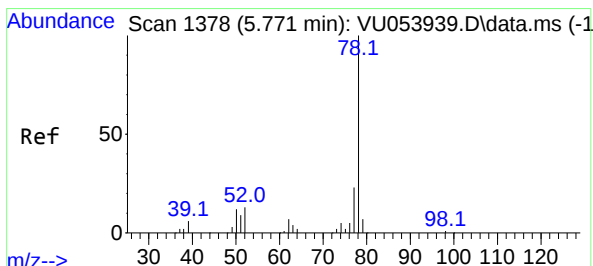
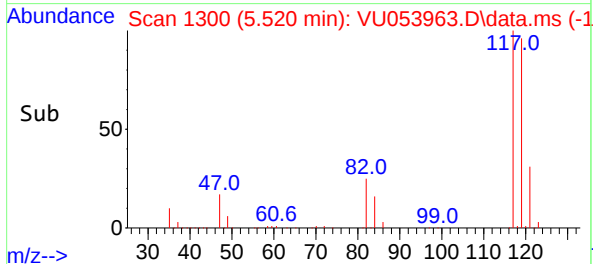
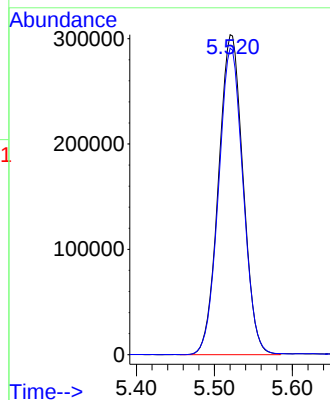
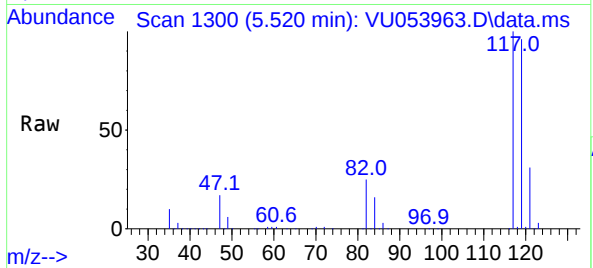




#31
Carbon tetrachloride
Concen: 46.903 ug/L
RT: 5.520 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

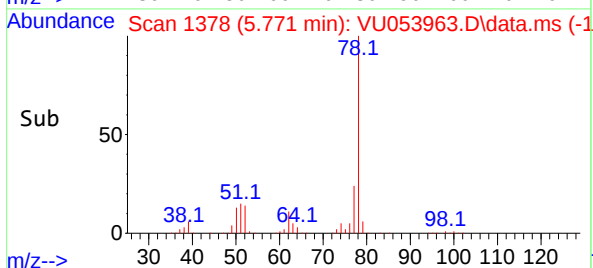
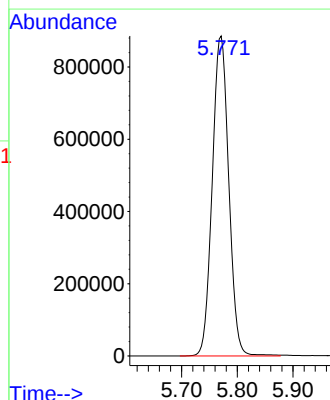
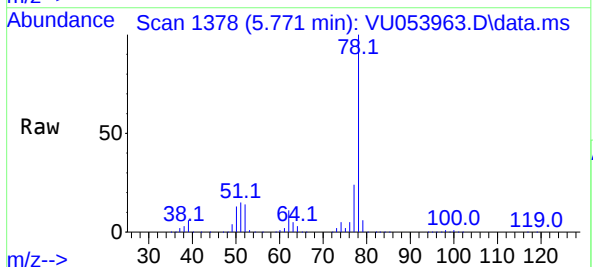
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

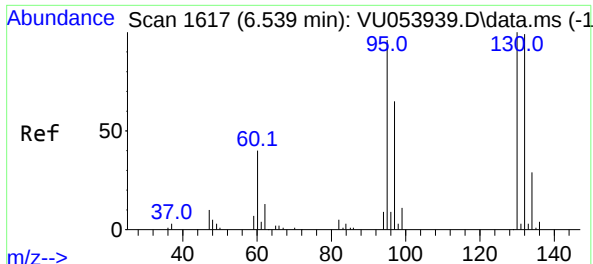
Tgt Ion:117 Resp: 663932
Ion Ratio Lower Upper
117 100
119 95.8 75.0 112.6



#33
Benzene
Concen: 44.628 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 78 Resp: 1822272



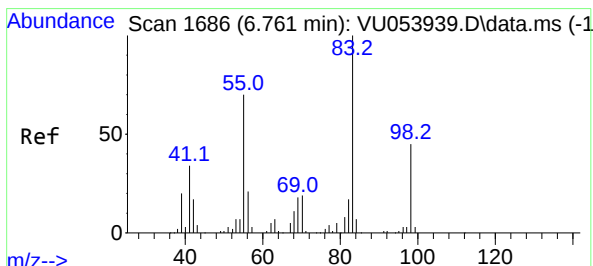
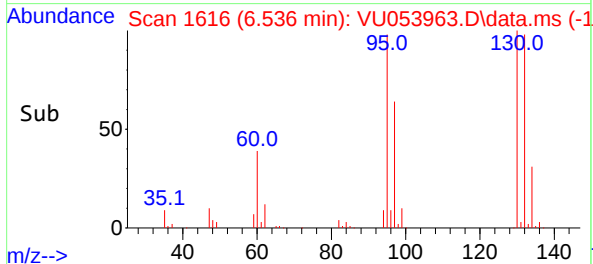
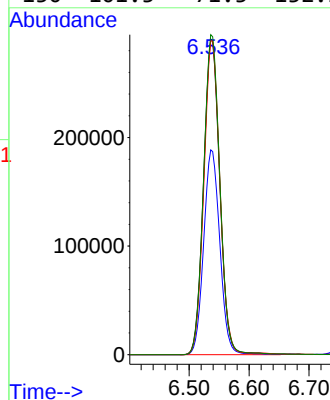
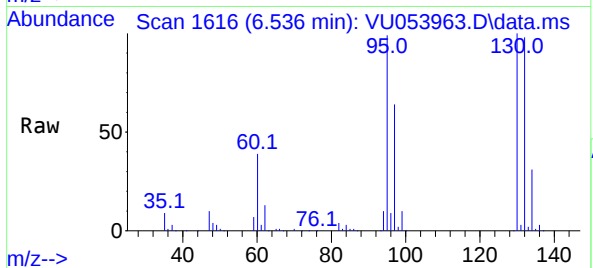


#34
Trichloroethene
Concen: 49.342 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

Tgt Ion: 95 Resp: 549015

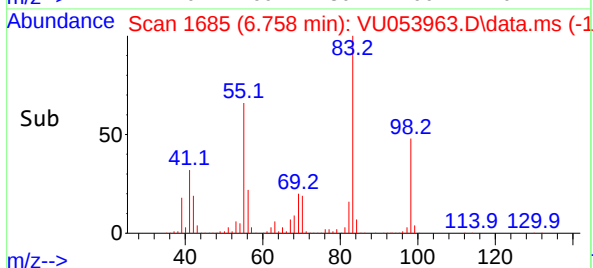
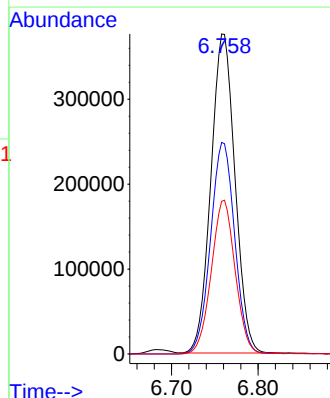
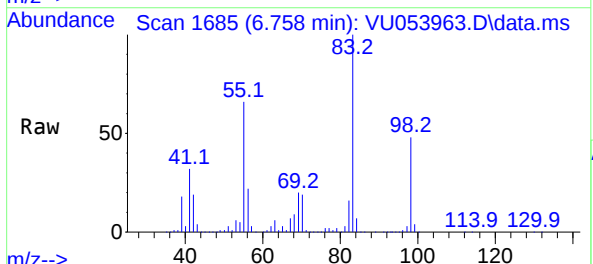
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.1	83.9
132	99.4	69.9	129.9
130	101.3	71.3	132.3

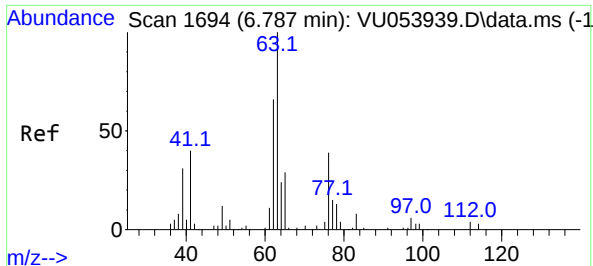


#35
Methylcyclohexane
Concen: 42.262 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 83 Resp: 726387

Ion	Ratio	Lower	Upper
83	100		
55	66.6	55.4	83.2
98	47.8	37.3	55.9

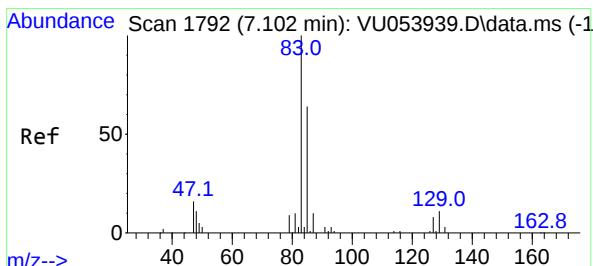
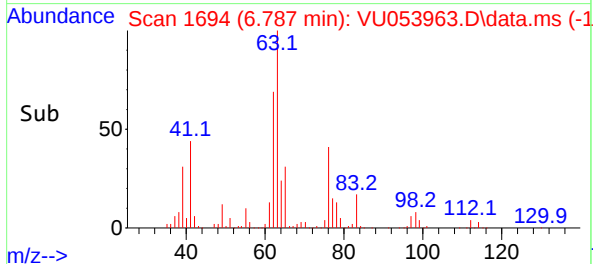
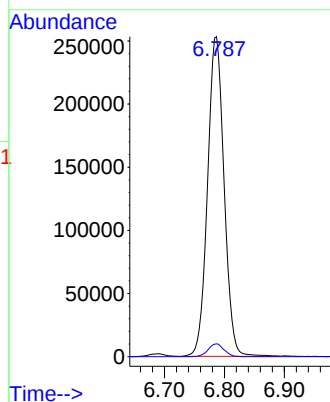
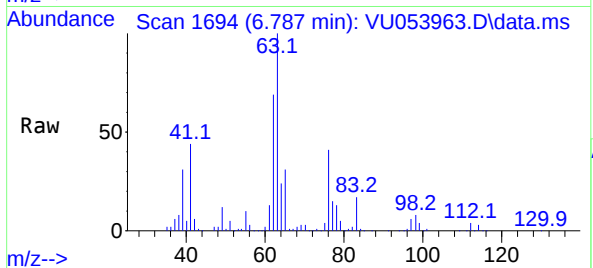




#37
1,2-Dichloropropane
Concen: 47.942 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

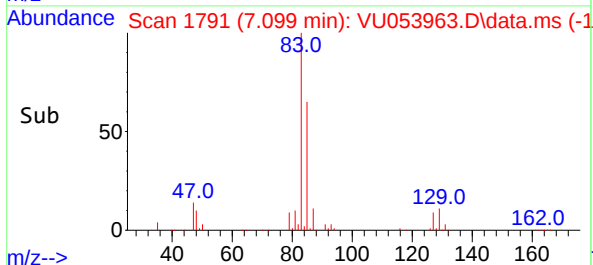
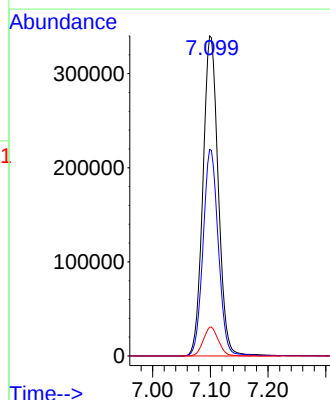
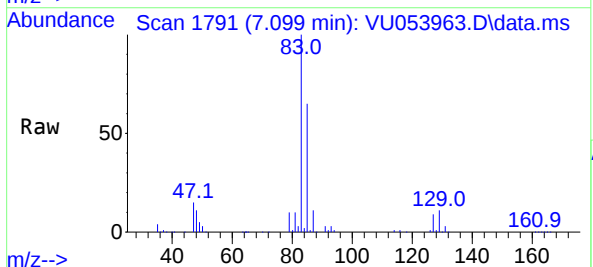
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

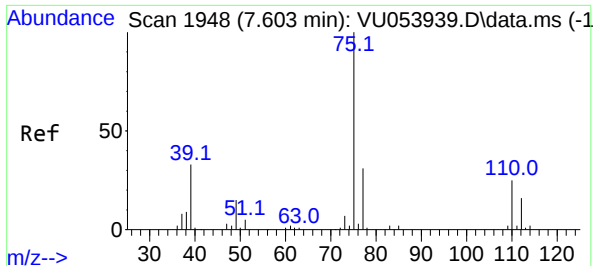
Tgt Ion: 63 Resp: 485683
Ion Ratio Lower Upper
63 100
112 3.9 3.5 5.3



#38
Bromodichloromethane
Concen: 49.448 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 83 Resp: 626170
Ion Ratio Lower Upper
83 100
85 64.5 45.2 84.0
127 9.0 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 47.288 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

Instrument :

MSVOA_U

ClientSampleId :

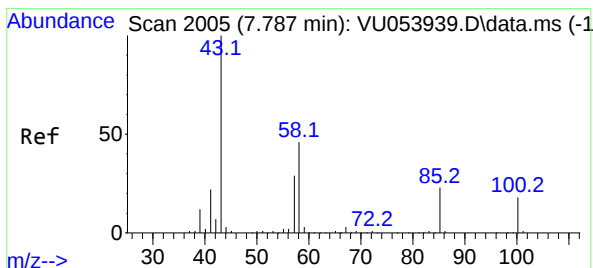
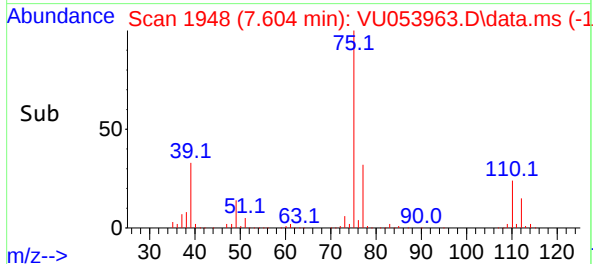
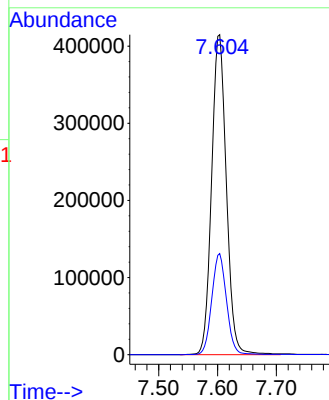
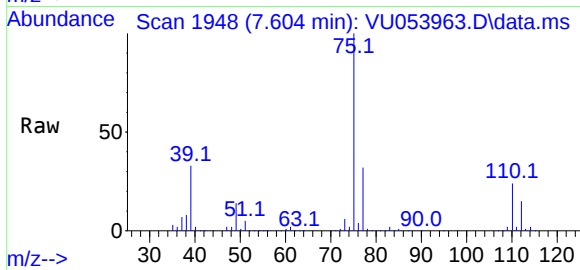
VSTD005165

Tgt Ion: 75 Resp: 722384

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 98.554 ug/L

RT: 7.787 min Scan# 2005

Delta R.T. 0.000 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

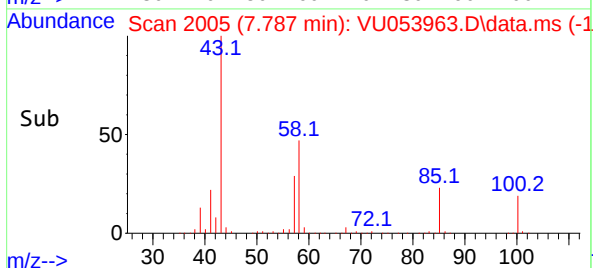
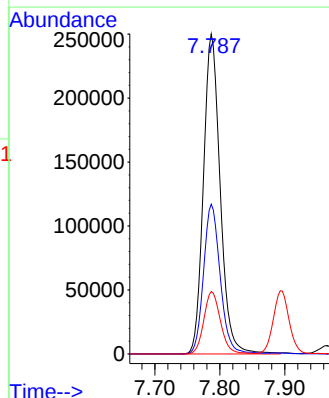
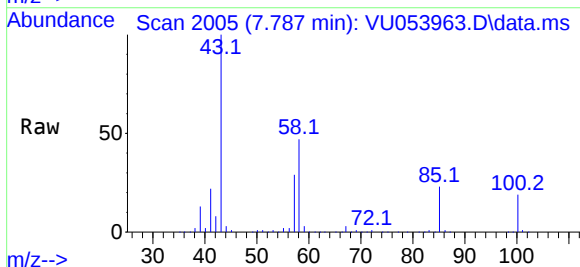
Tgt Ion: 43 Resp: 450370

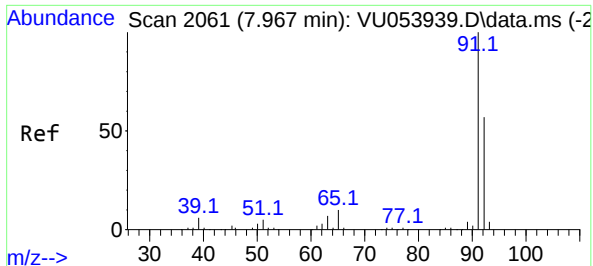
Ion Ratio Lower Upper

43 100

58 46.6 36.0 54.0

100 19.3 15.1 22.7

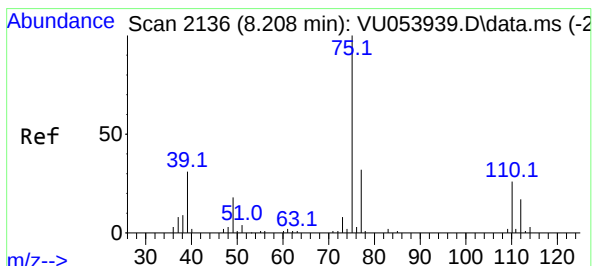
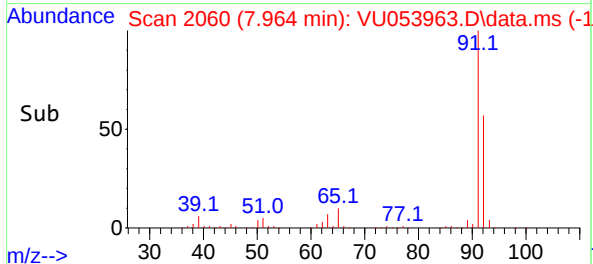
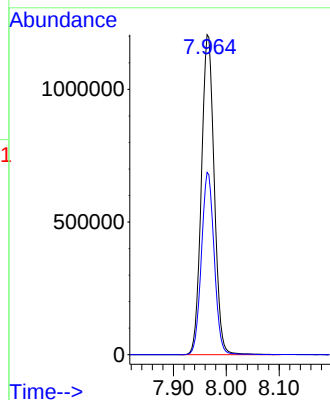
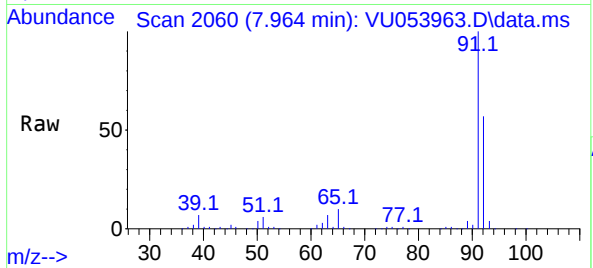




#42
Toluene
Concen: 46.971 ug/L
RT: 7.964 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

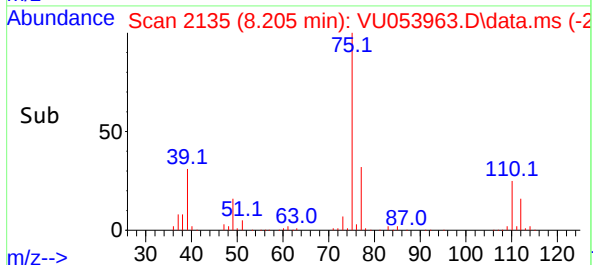
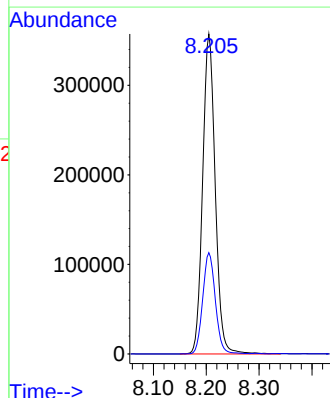
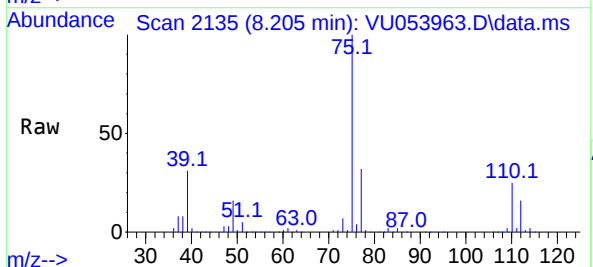
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

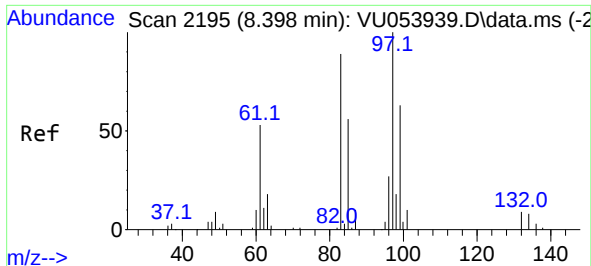
Tgt Ion: 91 Resp: 2033818
Ion Ratio Lower Upper
91 100
92 56.9 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 47.757 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 75 Resp: 589988
Ion Ratio Lower Upper
75 100
77 31.6 23.3 43.3



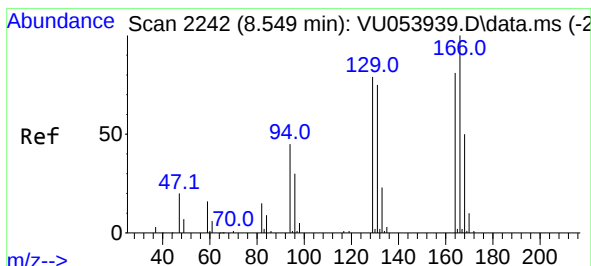
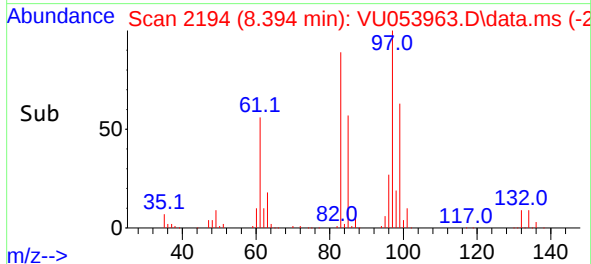
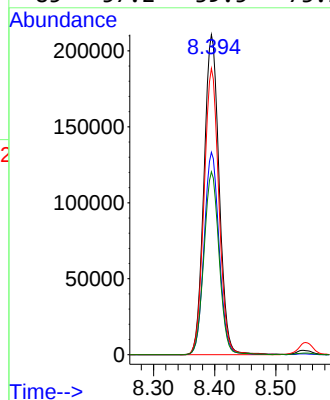
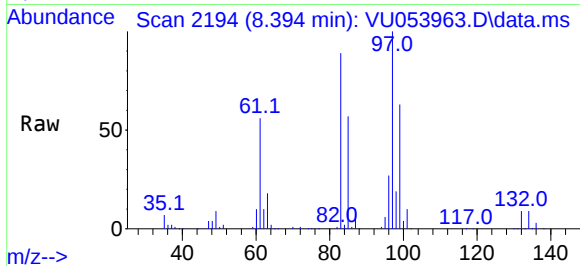


#45
1,1,2-Trichloroethane
Concen: 47.826 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

Tgt Ion: 97 Resp: 363137

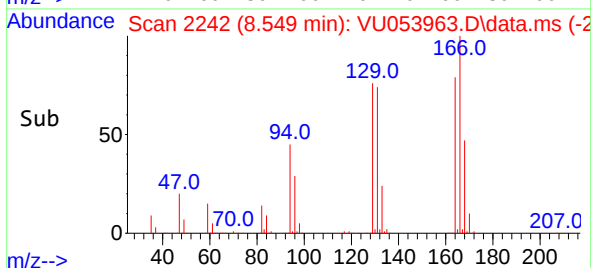
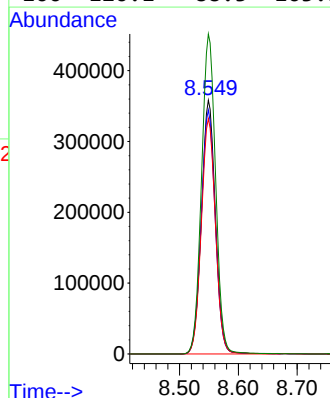
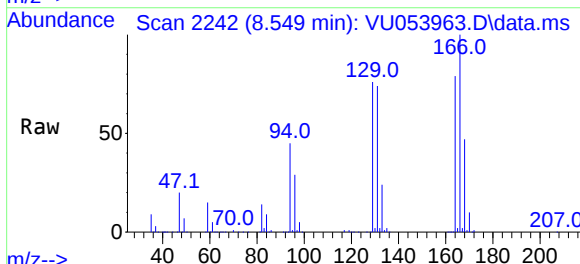
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.7	83.1
83	89.5	59.8	111.1
85	57.2	39.5	73.3

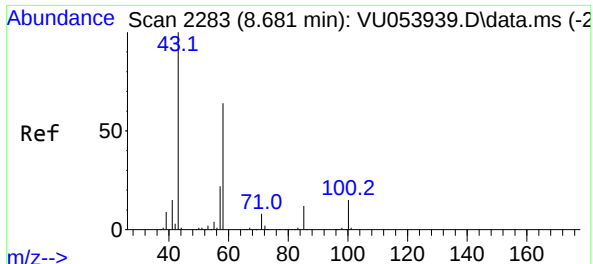


#47
Tetrachloroethene
Concen: 67.238 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 164 Resp: 592965

Ion	Ratio	Lower	Upper
164	100		
129	96.2	68.3	126.8
131	92.8	64.4	119.6
166	126.1	88.3	163.9

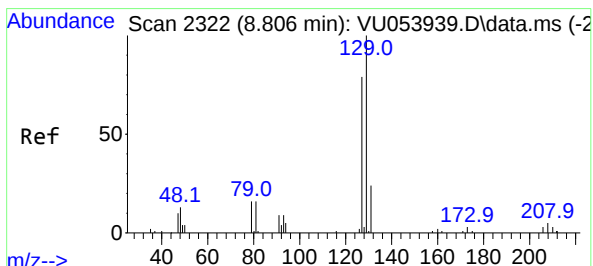
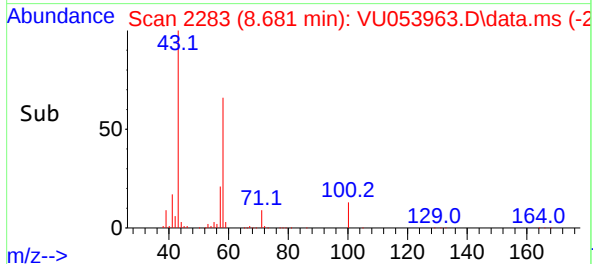
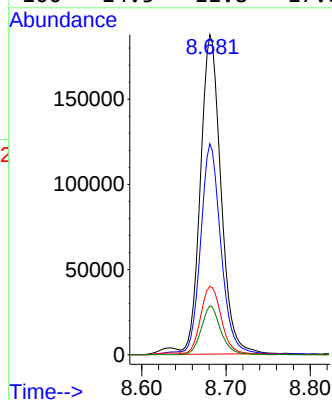
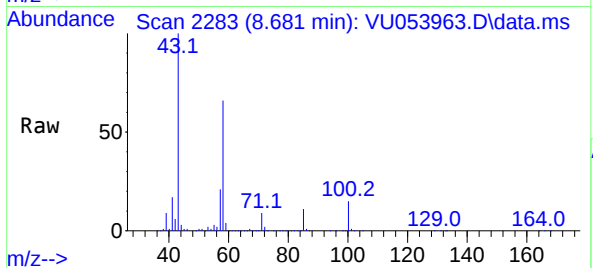




#48
2-Hexanone
Concen: 91.311 ug/L
RT: 8.681 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

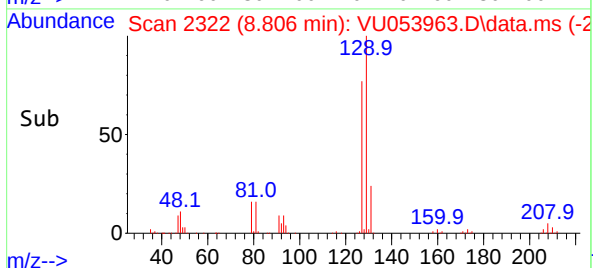
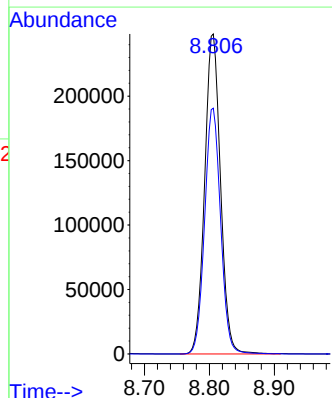
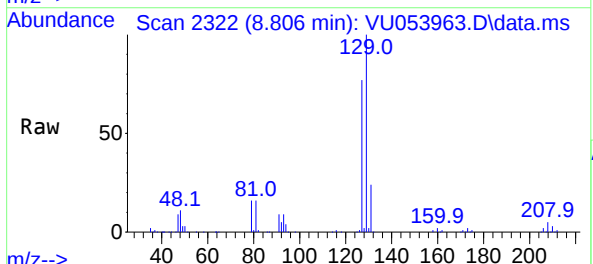
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

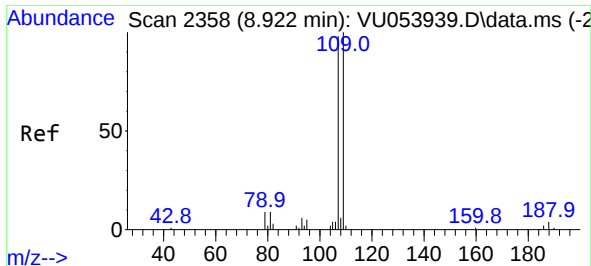
Tgt Ion: 43 Resp: 317161
Ion Ratio Lower Upper
43 100
58 66.6 49.8 74.6
57 21.5 16.9 25.3
100 14.5 11.8 17.8



#49
Dibromochloromethane
Concen: 52.490 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 129 Resp: 422005
Ion Ratio Lower Upper
129 100
127 76.8 55.7 103.5





#50

1,2-Dibromoethane

Concen: 48.823 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005165

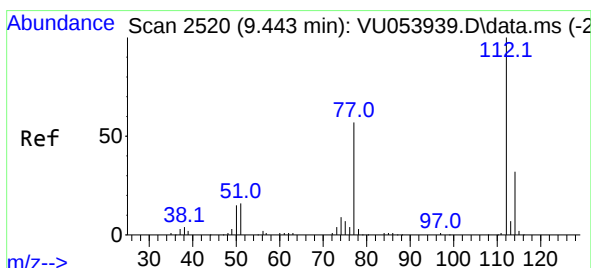
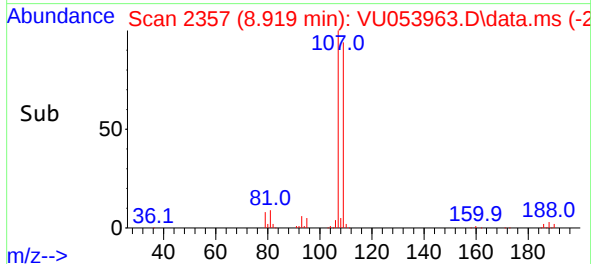
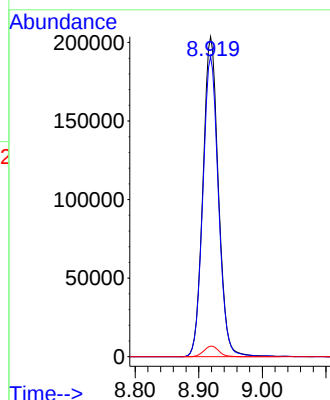
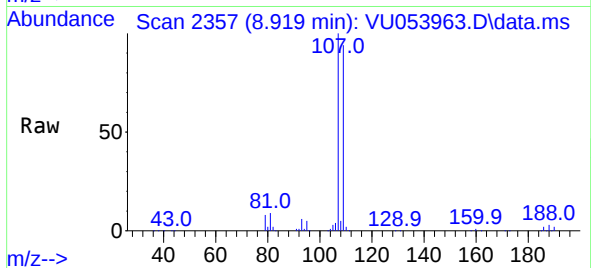
Tgt Ion:107 Resp: 342942

Ion Ratio Lower Upper

107 100

109 93.8 64.3 119.5

188 3.3 2.1 3.1#



#51

Chlorobenzene

Concen: 46.109 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

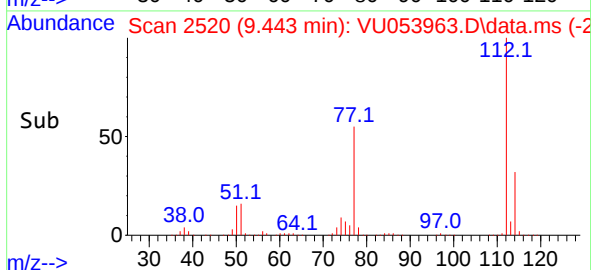
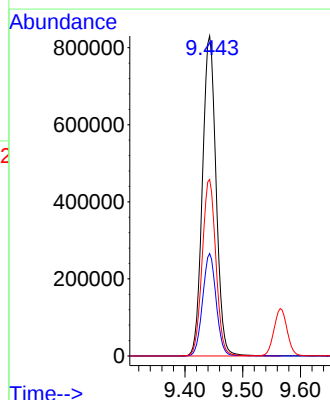
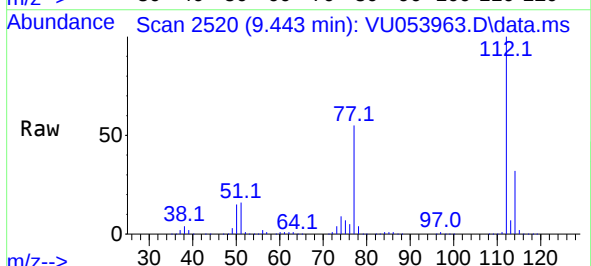
Tgt Ion:112 Resp: 1355531

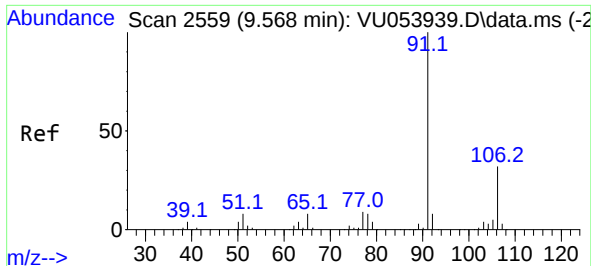
Ion Ratio Lower Upper

112 100

114 32.0 23.0 42.6

77 55.2 44.4 66.6

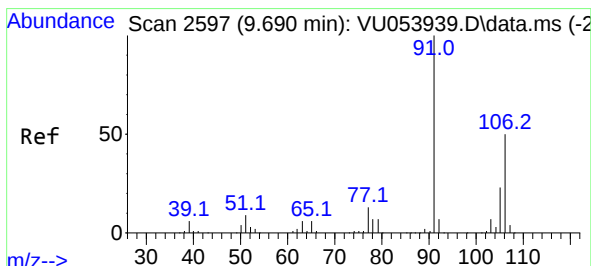
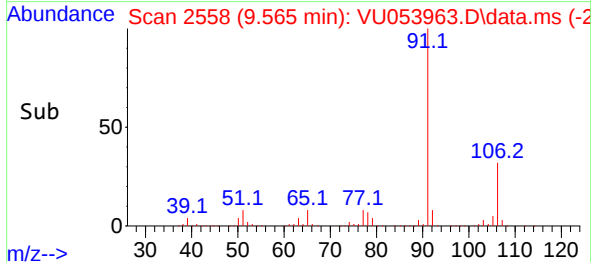
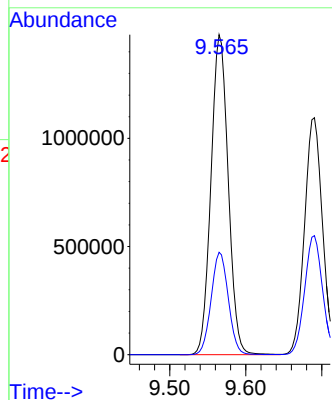
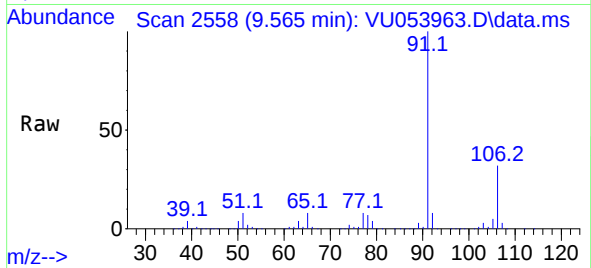




#52
Ethylbenzene
Concen: 48.996 ug/L
RT: 9.565 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

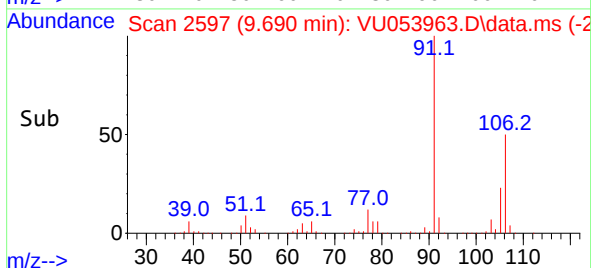
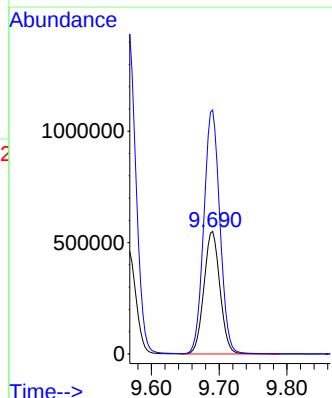
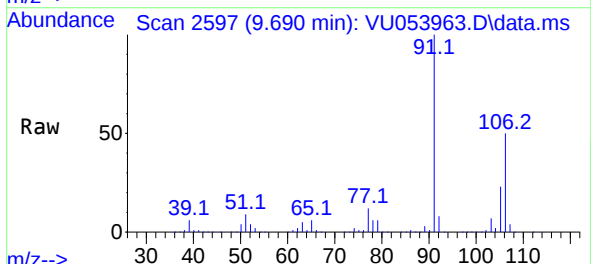
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

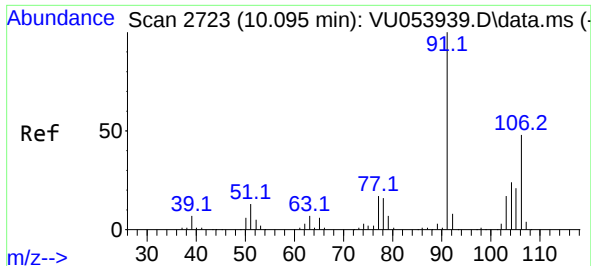
Tgt Ion: 91 Resp: 2329760
Ion Ratio Lower Upper
91 100
106 32.0 22.8 42.4



#53
m,p-Xylene
Concen: 49.486 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 106 Resp: 901634
Ion Ratio Lower Upper
106 100
91 199.2 142.2 264.0

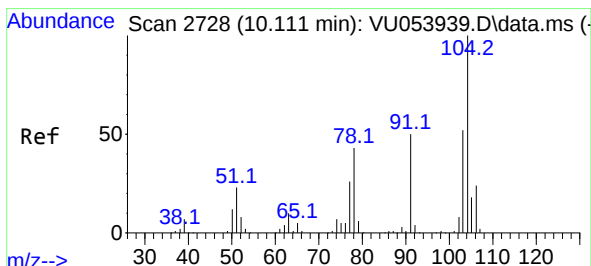
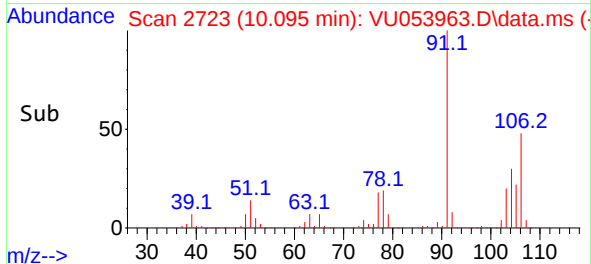
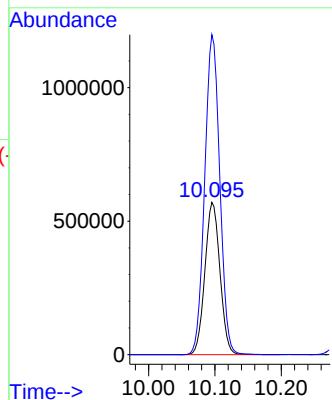
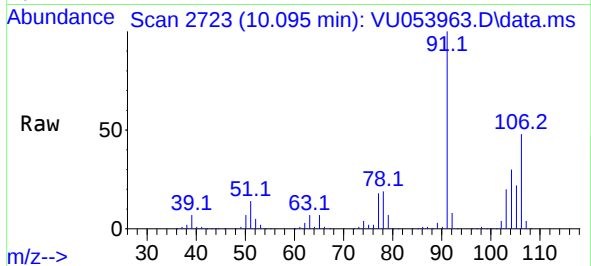




#54
o-Xylene
Concen: 51.274 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

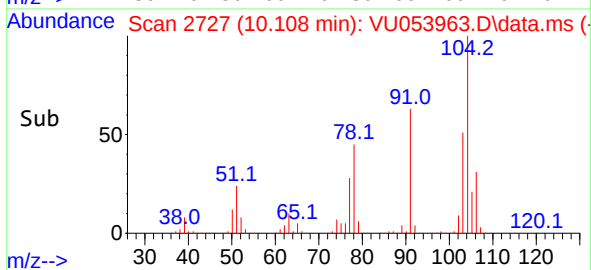
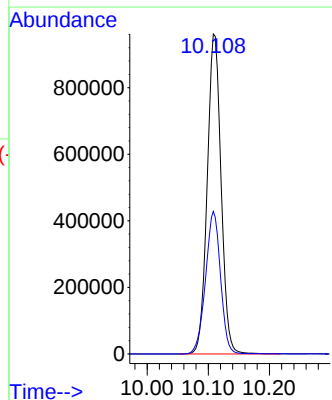
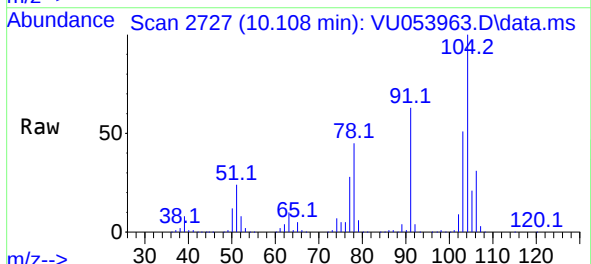
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

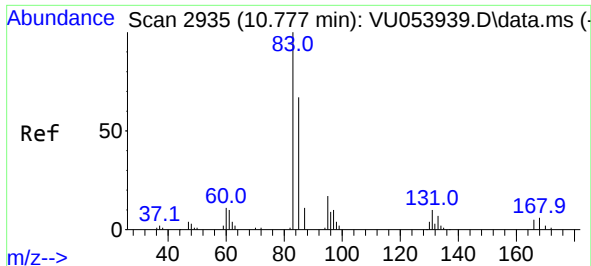
Tgt Ion:106 Resp: 901447
Ion Ratio Lower Upper
106 100
91 210.0 145.5 270.1



#55
Styrene
Concen: 52.704 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion:104 Resp: 1515902
Ion Ratio Lower Upper
104 100
78 44.6 30.9 57.5

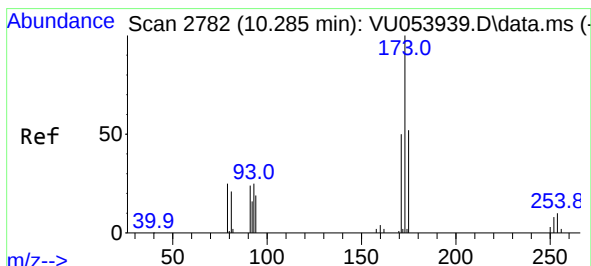
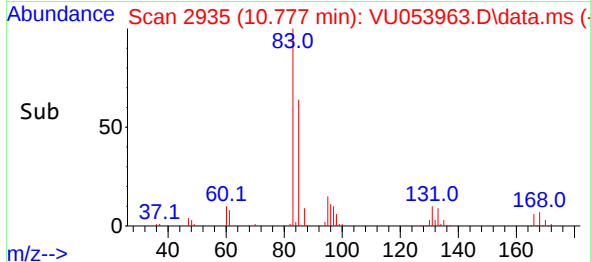
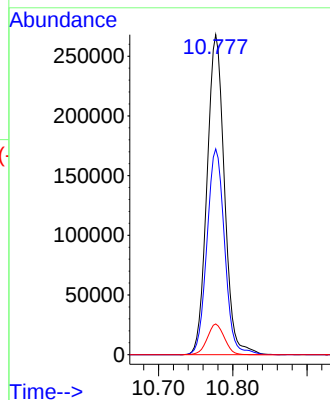
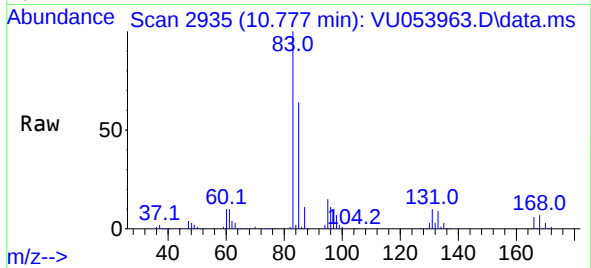




#57
1,1,2,2-Tetrachloroethane
Concen: 48.098 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

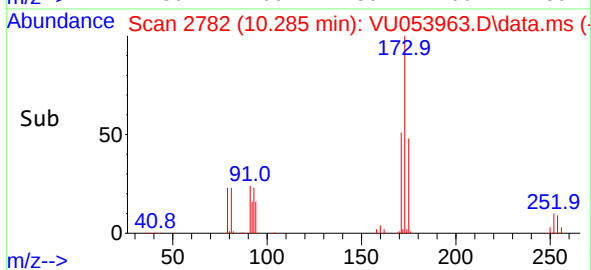
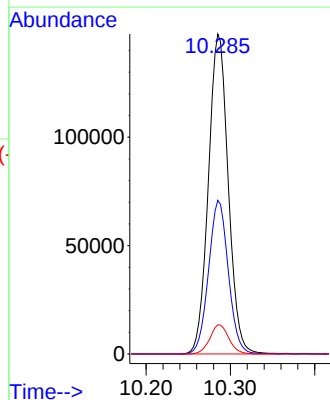
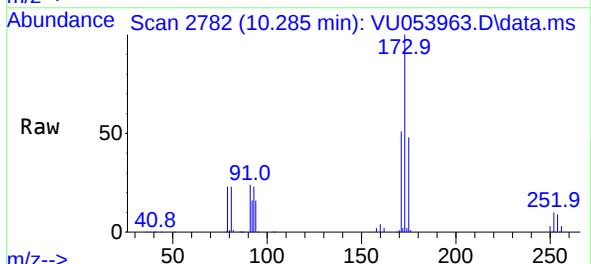
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

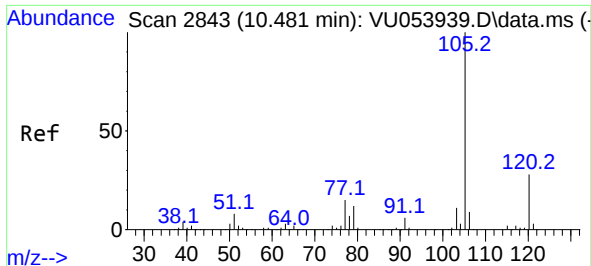
Tgt Ion: 83 Resp: 435415
Ion Ratio Lower Upper
83 100
85 64.3 43.5 80.9
131 9.6 7.8 11.6



#59
Bromoform
Concen: 49.629 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion:173 Resp: 241746
Ion Ratio Lower Upper
173 100
175 47.8 37.4 56.2
254 8.7 7.1 10.7

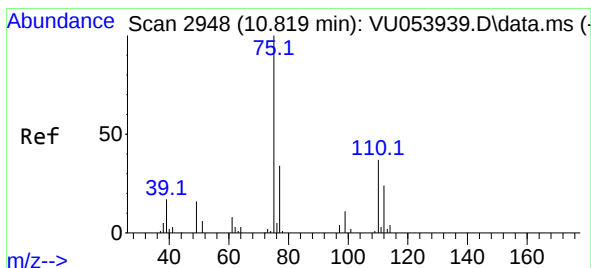
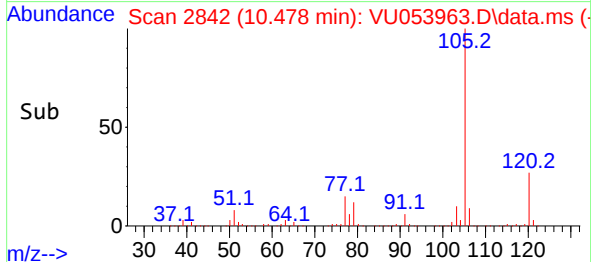
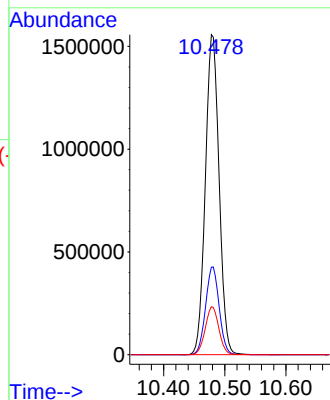
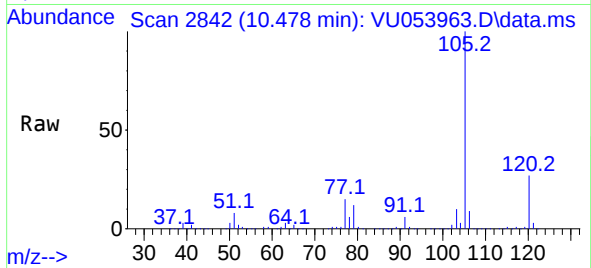




#60
Isopropylbenzene
Concen: 47.128 ug/L
RT: 10.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

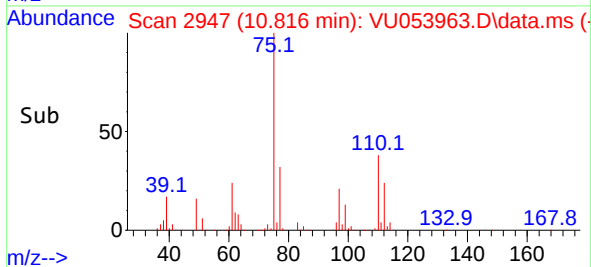
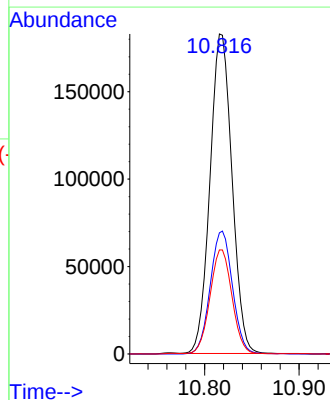
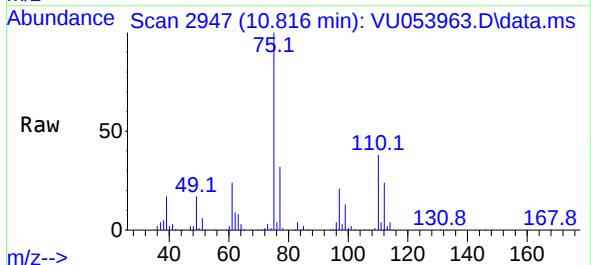
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

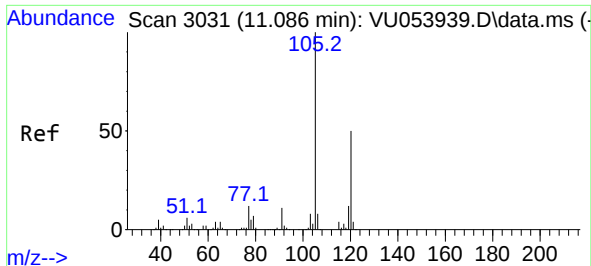
Tgt Ion:105 Resp: 2427683
Ion Ratio Lower Upper
105 100
120 27.2 21.4 32.0
77 14.9 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 44.739 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion: 75 Resp: 295547
Ion Ratio Lower Upper
75 100
110 38.9 30.7 46.1
77 32.4 26.2 39.4

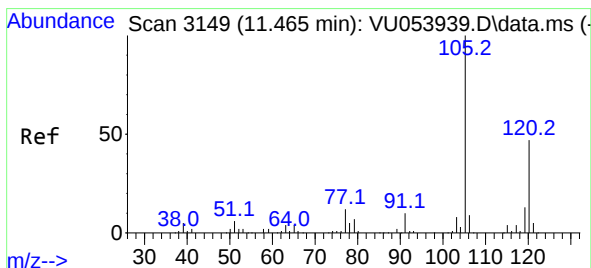
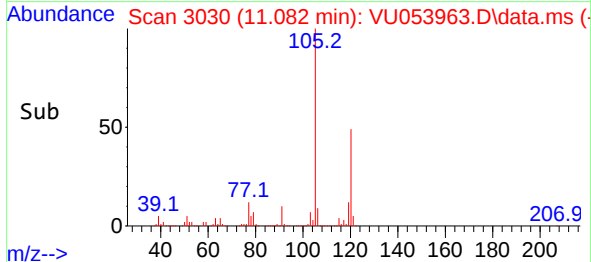
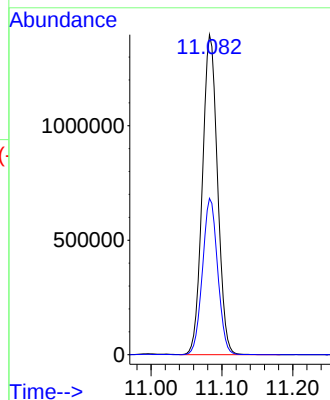
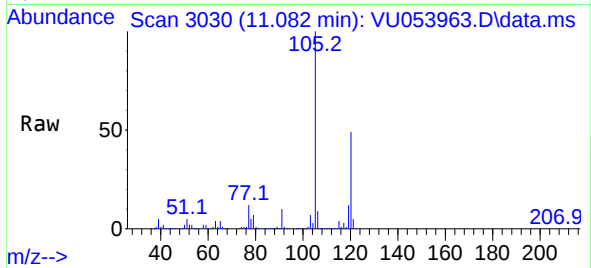




#62
1,3,5-Trimethylbenzene
Concen: 49.512 ug/L
RT: 11.082 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

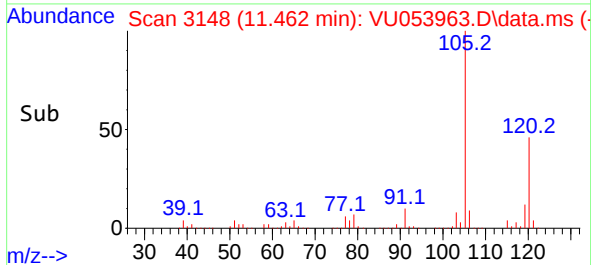
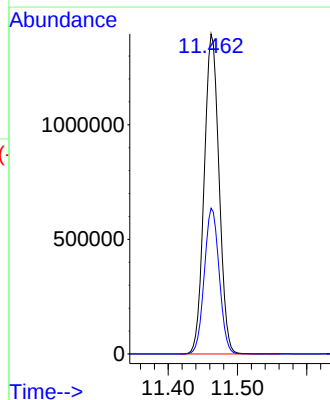
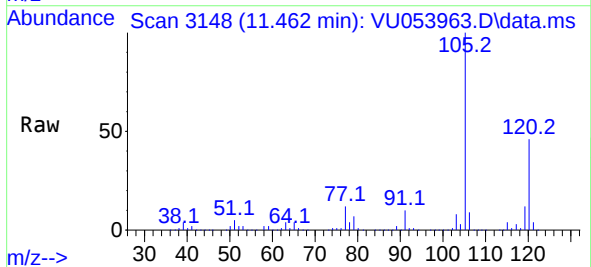
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

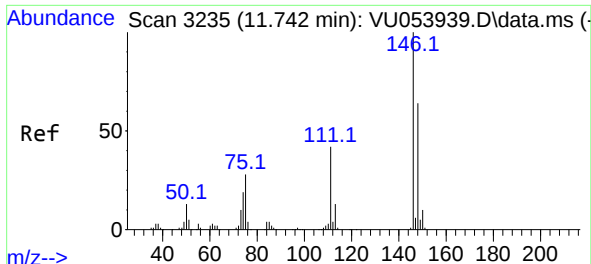
Tgt Ion:105 Resp: 2073301
Ion Ratio Lower Upper
105 100
120 49.0 39.3 58.9



#63
1,2,4-Trimethylbenzene
Concen: 48.961 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion:105 Resp: 2074617
Ion Ratio Lower Upper
105 100
120 45.6 37.1 55.7

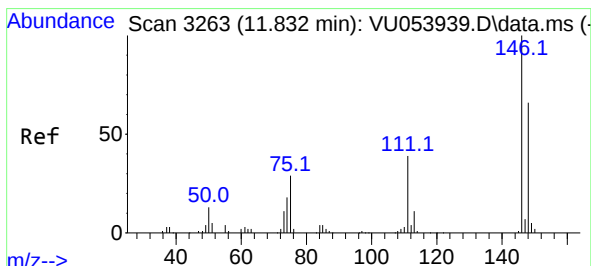
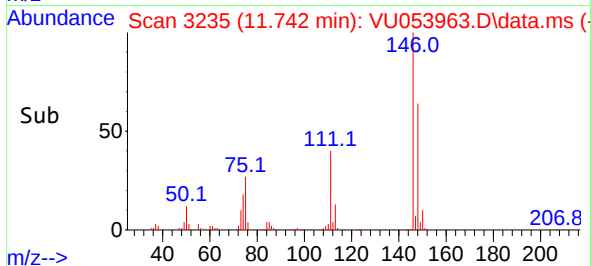
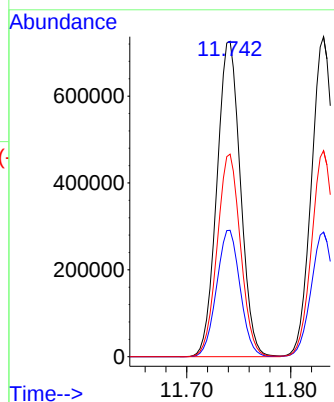
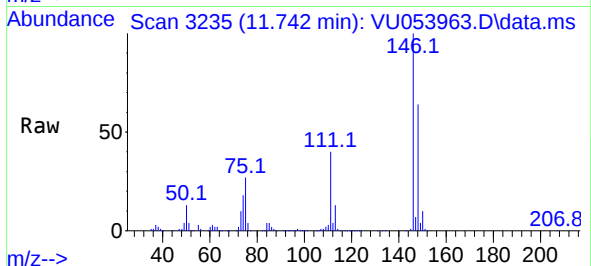




#64
1,3-Dichlorobenzene
Concen: 44.451 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

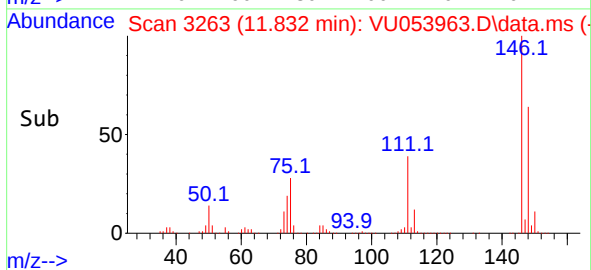
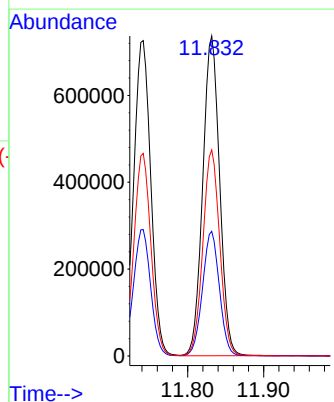
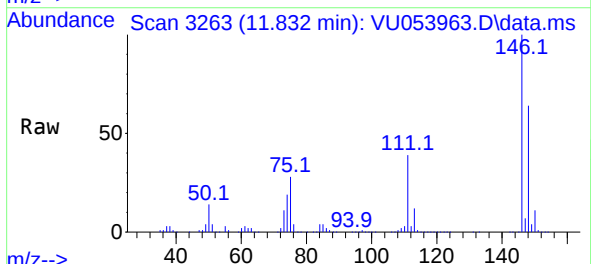
Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

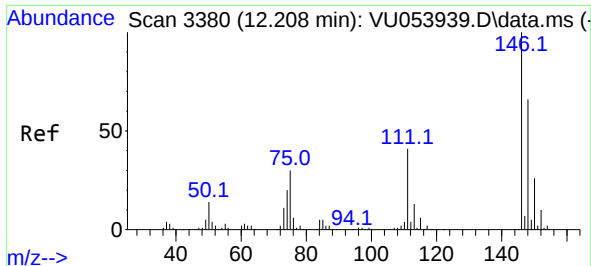
Tgt Ion:146 Resp: 1144285
Ion Ratio Lower Upper
146 100
111 40.1 27.9 51.9
148 64.2 43.7 81.1



#65
1,4-Dichlorobenzene
Concen: 43.720 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion:146 Resp: 1137229
Ion Ratio Lower Upper
146 100
111 38.9 28.3 52.7
148 64.4 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 45.057 ug/L

RT: 12.208 min Scan# 311

Delta R.T. 0.000 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD005165

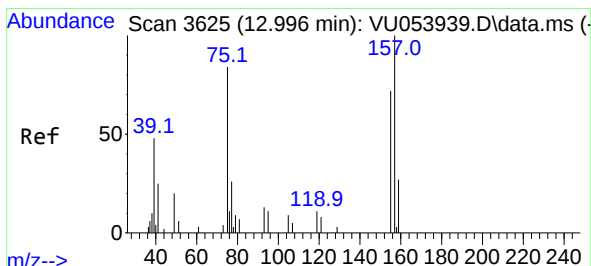
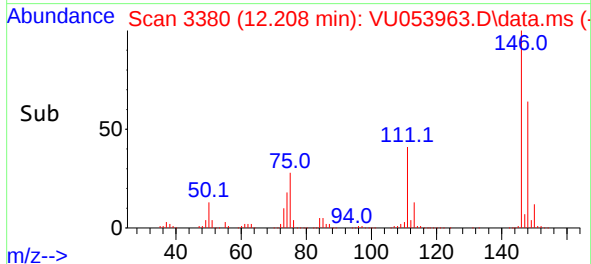
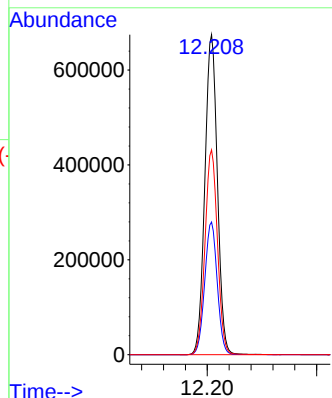
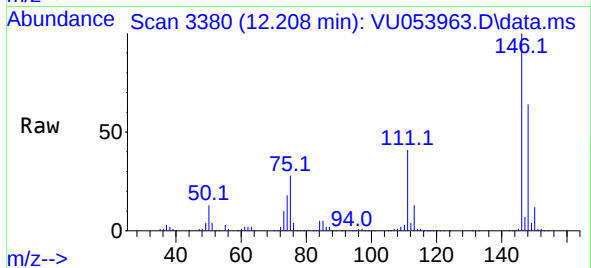
Tgt Ion:146 Resp: 1071180

Ion Ratio Lower Upper

146 100

111 41.5 32.6 49.0

148 64.0 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 50.560 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU053963.D

Acq: 28 Apr 2023 02:31

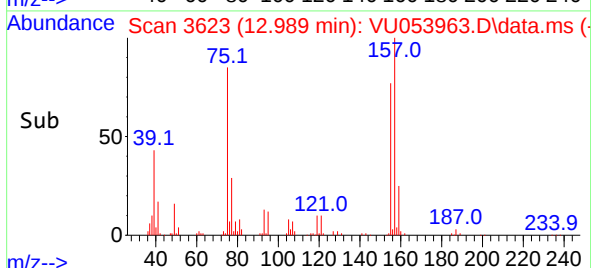
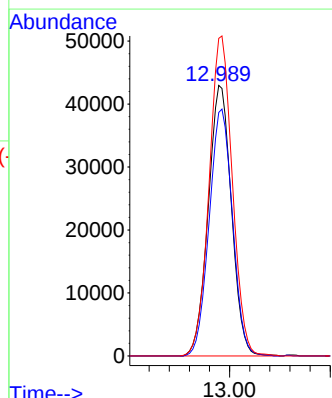
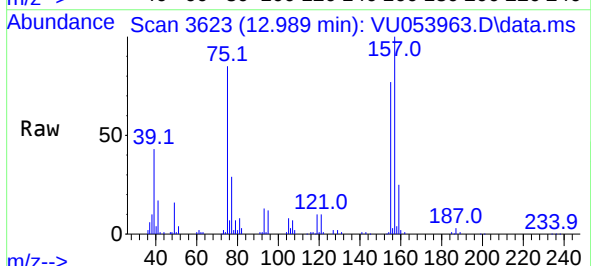
Tgt Ion: 75 Resp: 68832

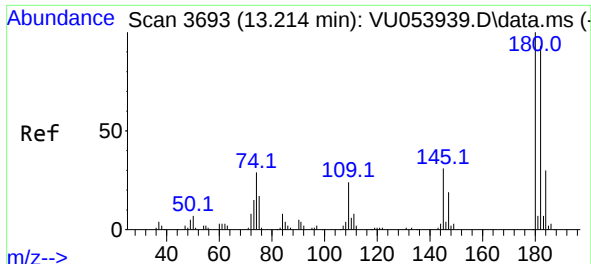
Ion Ratio Lower Upper

75 100

155 90.0 72.8 109.2

157 117.4 89.1 133.7



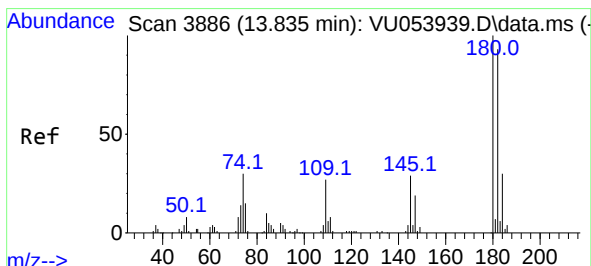
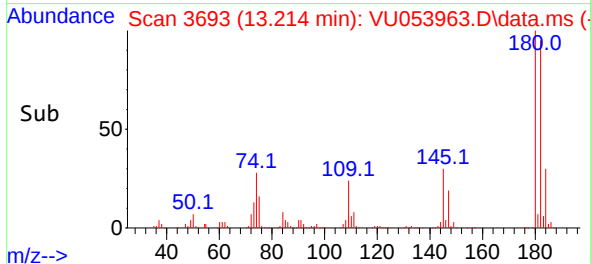
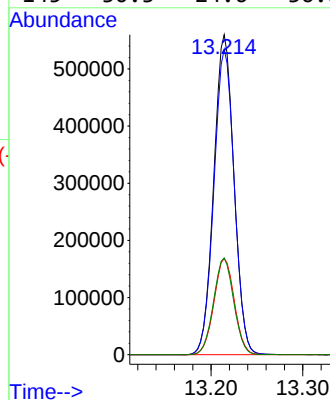
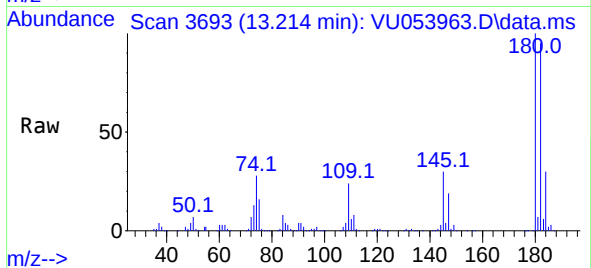


#69
 1,3,5-Trichlorobenzene
 Concen: 46.358 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU053963.D
 Acq: 28 Apr 2023 02:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005165

Tgt Ion:180 Resp: 854484

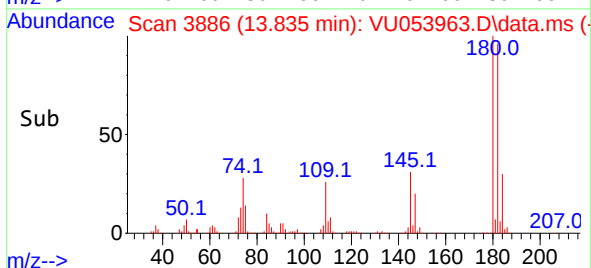
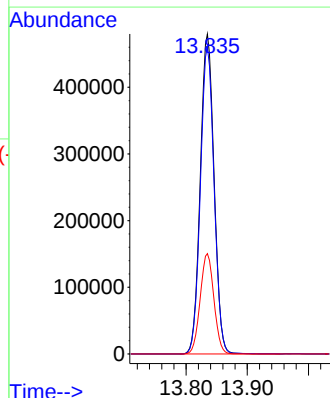
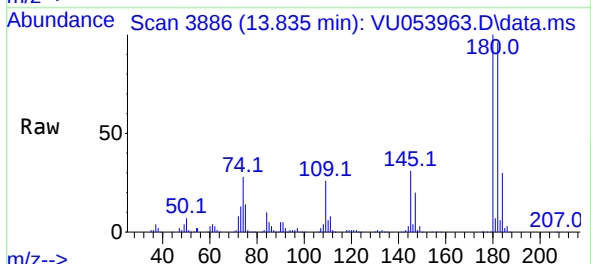
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.1	112.7
184	30.4	24.2	36.2
145	30.3	24.6	36.8

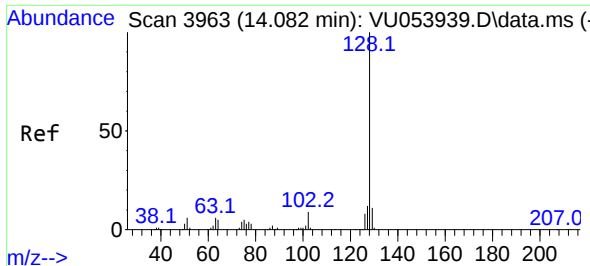


#70
 1,2,4-trichlorobenzene
 Concen: 44.701 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU053963.D
 Acq: 28 Apr 2023 02:31

Tgt Ion:180 Resp: 750110

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.5	113.3
145	31.2	25.8	38.6

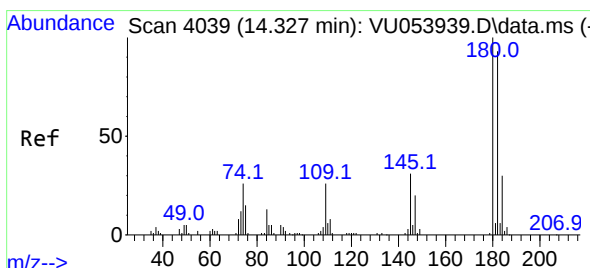
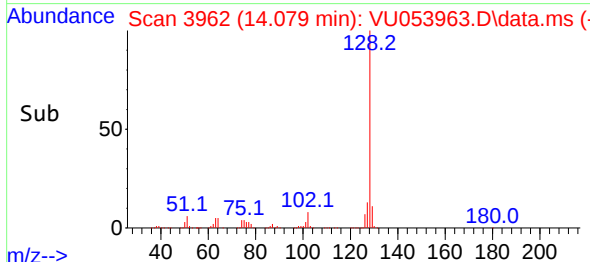
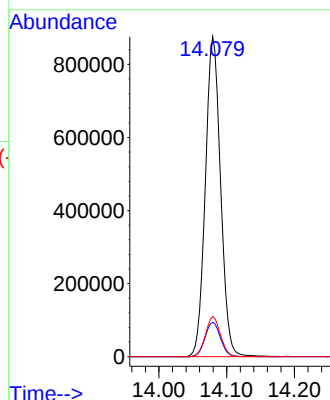
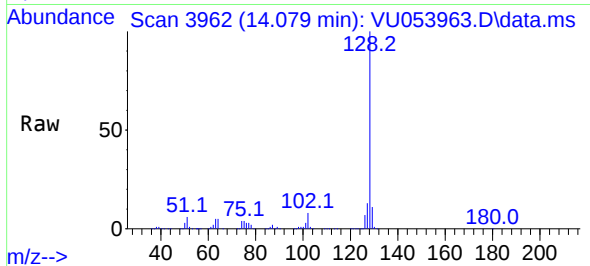




#71
Naphthalene
Concen: 46.025 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD005165

Tgt Ion:128 Resp: 1365168
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 12.4 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 44.025 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU053963.D
Acq: 28 Apr 2023 02:31

Tgt Ion:180 Resp: 659160
Ion Ratio Lower Upper
180 100
182 95.5 77.4 116.2
145 32.5 26.8 40.2

