

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051123\
 Data File : VU054150.D
 Acq On : 11 May 2023 09:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050100

Quant Time: May 12 08:40:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	260103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	245228	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134689	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75589	38.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.840%
7) Chloroethane-d5	1.909	69	53207	41.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.565	63	142311	40.787	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.580%
21) 2-Butanone-d5	4.620	46	98069	87.409	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.410%
24) Chloroform-d	5.057	84	163153	45.158	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.320%
26) 1,2-Dichloroethane-d4	5.697	65	103128	44.456	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.920%
32) Benzene-d6	5.723	84	302234	41.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.740%
36) 1,2-Dichloropropane-d6	6.684	67	98033	43.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.040%
41) Toluene-d8	7.893	98	280912	43.105	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.220%
43) trans-1,3-Dichloroprop...	8.173	79	48205	42.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.500%
47) 2-Hexanone-d5	8.629	63	67048	82.148	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.150%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	138101	46.009	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.020%
66) 1,2-Dichlorobenzene-d4	12.189	152	122888	46.704	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	86071	45.865	ug/L	100
3) Chloromethane	1.520	50	81530	47.272	ug/L	99
5) Vinyl chloride	1.604	62	89793	48.949	ug/L	97
6) Bromomethane	1.855	94	45592	44.585	ug/L	99
8) Chloroethane	1.929	64	49068	49.086	ug/L	99
9) Trichlorofluoromethane	2.134	101	147078	50.525	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85358	49.029	ug/L	97
12) 1,1-Dichloroethene	2.578	96	73498	48.714	ug/L	89
13) Acetone	2.633	43	72865	66.166	ug/L	99
14) Carbon disulfide	2.790	76	159053	47.497	ug/L	99
15) Methyl Acetate	2.945	43	84037	48.728	ug/L	99
16) Methylene chloride	3.044	84	95234	50.048	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	75845	49.162	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	283361	49.960	ug/L	98
19) 1,1-Dichloroethane	3.861	63	162637	49.099	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	94326	49.754	ug/L	96
22) 2-Butanone	4.700	43	111640	85.867	ug/L	95
23) Bromochloromethane	4.967	128	50128	51.001	ug/L	97
25) Chloroform	5.080	83	178916	51.185	ug/L	98

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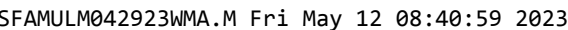
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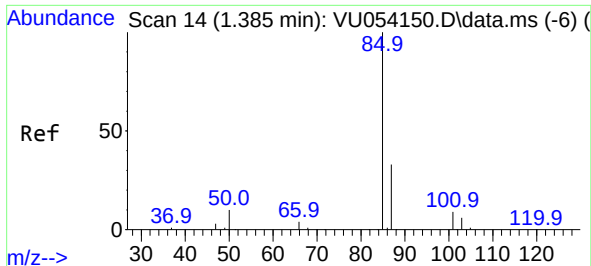
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	136237	50.671	ug/L	100
29) Cyclohexane	5.385	56	115288	45.489	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	154029	50.392	ug/L	99
31) Carbon tetrachloride	5.520	117	132562	50.835	ug/L	100
33) Benzene	5.768	78	345027	48.338	ug/L	100
34) Trichloroethene	6.536	95	93388	49.295	ug/L	99
35) Methylcyclohexane	6.758	83	118361	44.548	ug/L	99
37) 1,2-Dichloropropane	6.784	63	97571	48.317	ug/L	99
38) Bromodichloromethane	7.099	83	129026	50.714	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	147884	46.813	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	229322	97.445	ug/L	99
42) Toluene	7.964	91	370311	49.835	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	141121	47.005	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	98843	50.569	ug/L	97
46) Tetrachloroethene	8.549	164	71414	47.516	ug/L	99
48) 2-Hexanone	8.681	43	174112	93.356	ug/L	99
49) Dibromochloromethane	8.806	129	101373	52.632	ug/L	99
50) 1,2-Dibromoethane	8.919	107	102429	51.629	ug/L	98
51) Chlorobenzene	9.443	112	252634	50.831	ug/L	100
52) Ethylbenzene	9.565	91	416269	49.773	ug/L	100
53) m,p-Xylene	9.690	106	161548	51.441	ug/L	99
54) o-Xylene	10.095	106	158900	51.719	ug/L	97
55) Styrene	10.108	104	278745	52.895	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	153646	49.900	ug/L	100
59) Bromoform	10.285	173	78371	51.973	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	122223	48.854	ug/L	99
61) Isopropylbenzene	10.481	105	420784	49.491	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	348831	50.069	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	345160	50.262	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	208619	50.170	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	209458	49.460	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	210594	50.181	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	31115	48.750	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	147449	48.934	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	131732	48.224	ug/L	99
71) Naphthalene	14.082	128	383638	48.419	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	136145	50.102	ug/L	99

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

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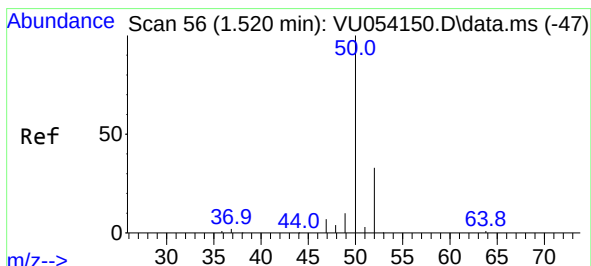
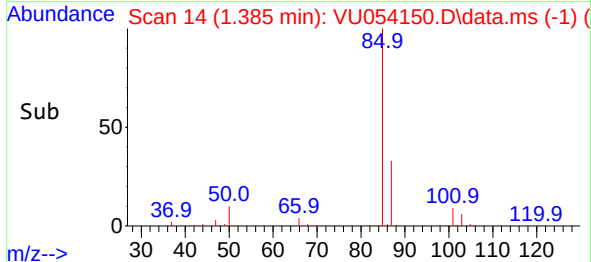
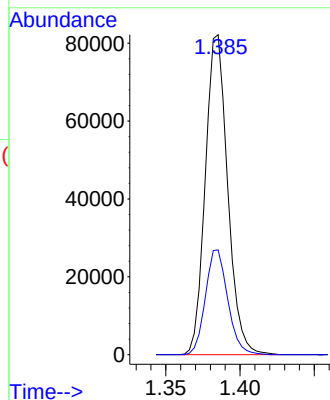
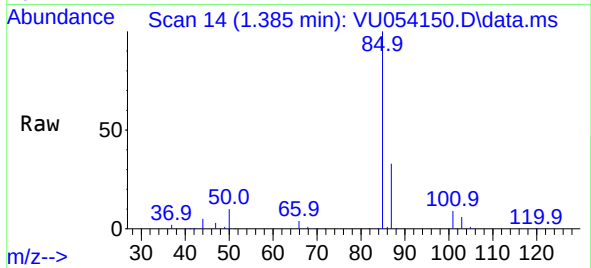




#2
Dichlorodifluoromethane
Concen: 45.865 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

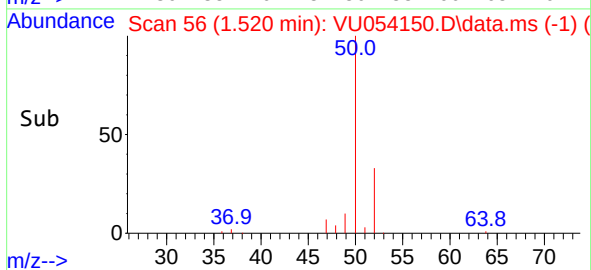
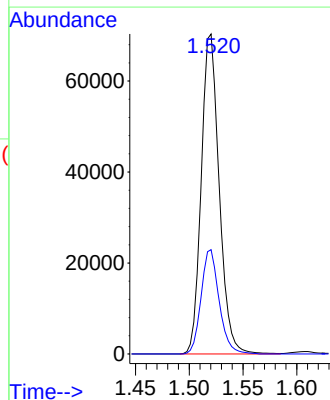
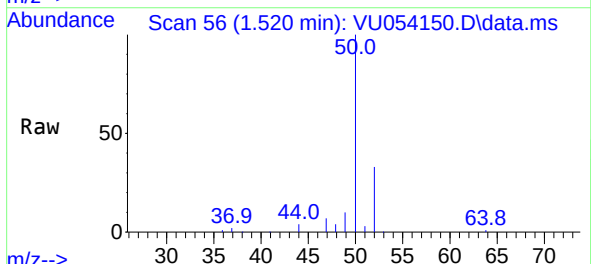
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

Tgt Ion: 85 Resp: 86071
Ion Ratio Lower Upper
85 100
87 32.7 26.0 39.0

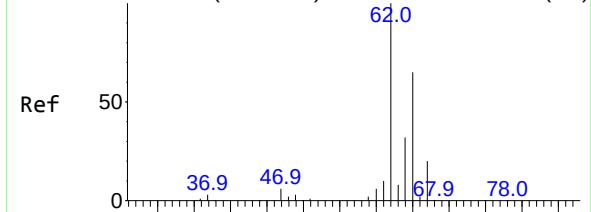


#3
Chloromethane
Concen: 47.272 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 50 Resp: 81530
Ion Ratio Lower Upper
50 100
52 32.6 22.4 41.6

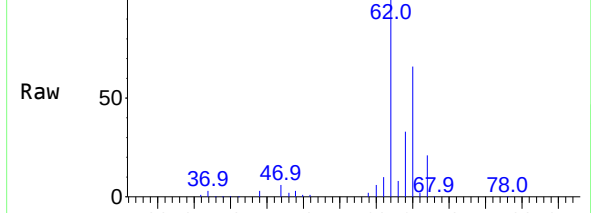


Abundance Scan 82 (1.604 min): VU054150.D\data.ms (-74)



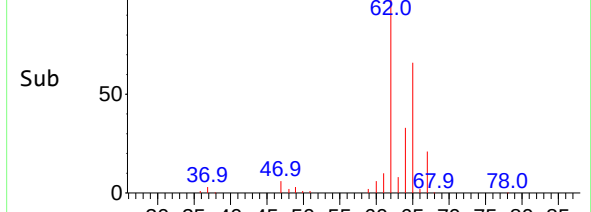
m/z-->

Abundance Scan 82 (1.604 min): VU054150.D\data.ms



m/z-->

Abundance Scan 82 (1.604 min): VU054150.D\data.ms (-1)



m/z-->

#5

Vinyl chloride

Concen: 48.949 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050100

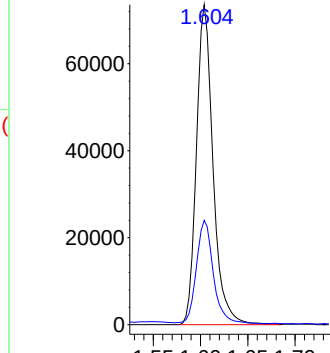
Tgt Ion: 62 Resp: 89793

Ion Ratio Lower Upper

62 100

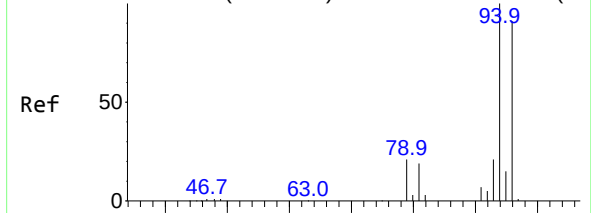
64 32.6 24.1 44.7

Abundance



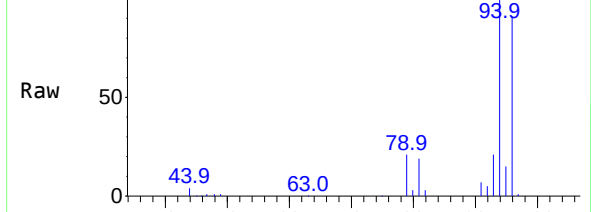
Time-->

Abundance Scan 160 (1.855 min): VU054150.D\data.ms (-15)



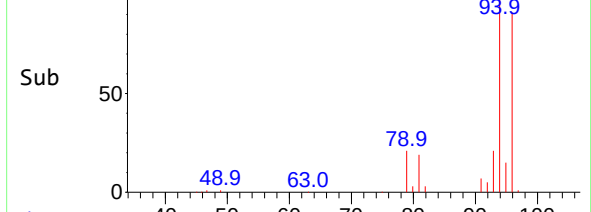
m/z-->

Abundance Scan 160 (1.855 min): VU054150.D\data.ms



m/z-->

Abundance Scan 160 (1.855 min): VU054150.D\data.ms (-68)



m/z-->

#6

Bromomethane

Concen: 44.585 ug/L

RT: 1.855 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

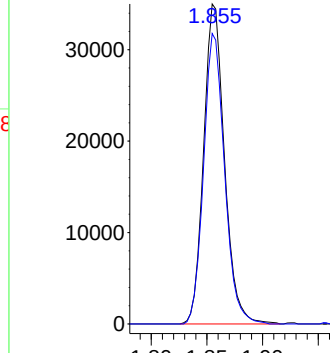
Tgt Ion: 94 Resp: 45592

Ion Ratio Lower Upper

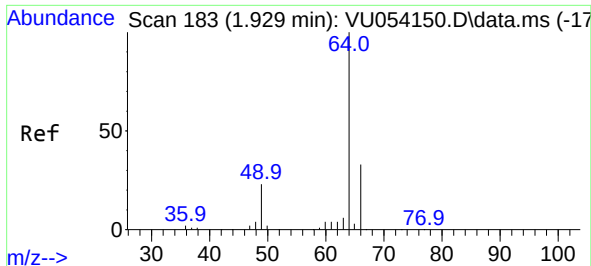
94 100

96 90.7 63.9 118.7

Abundance



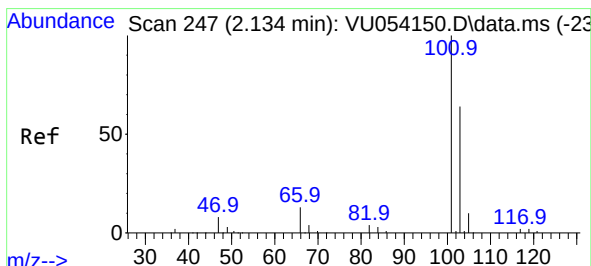
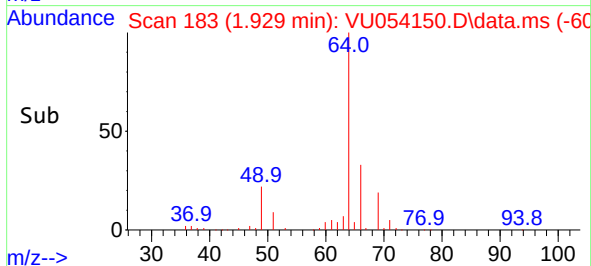
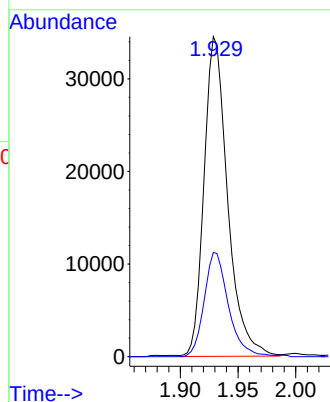
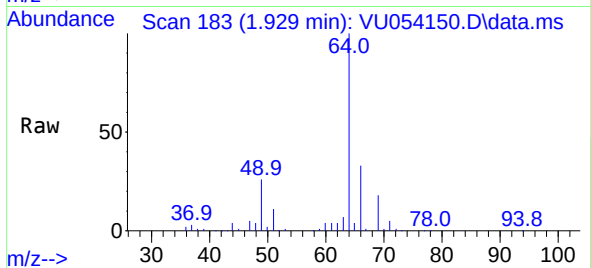
Time-->



#8
Chloroethane
Concen: 49.086 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

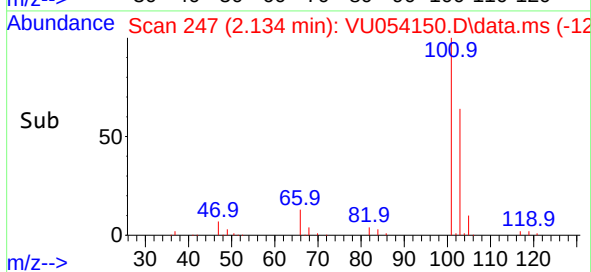
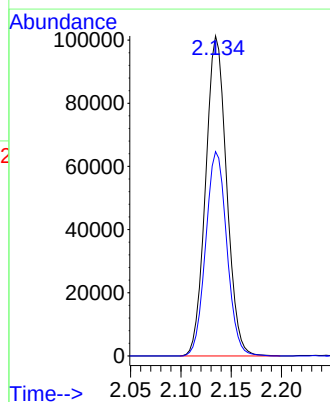
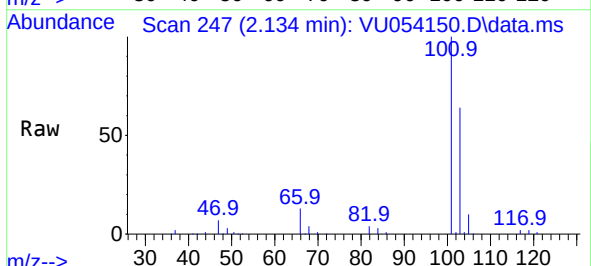
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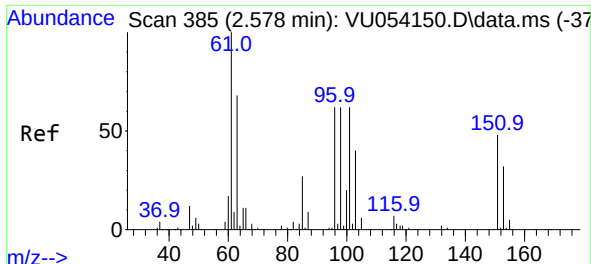
Tgt Ion: 64 Resp: 49068
Ion Ratio Lower Upper
64 100
66 32.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 50.525 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:101 Resp: 147078
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4

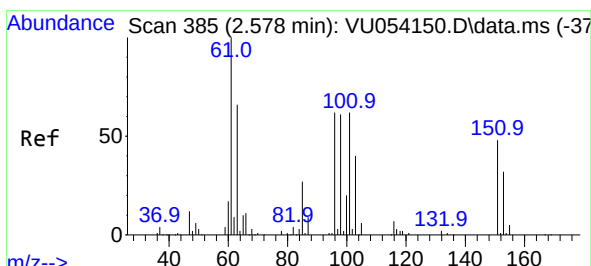
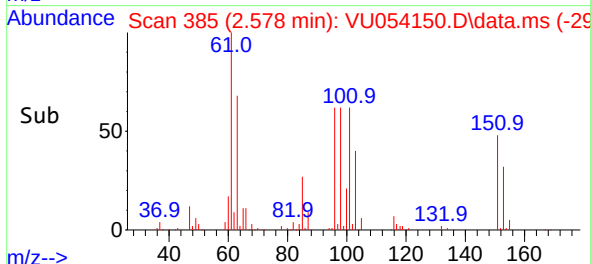
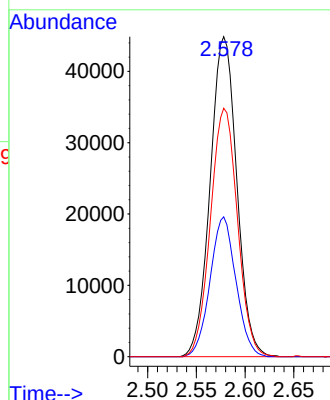
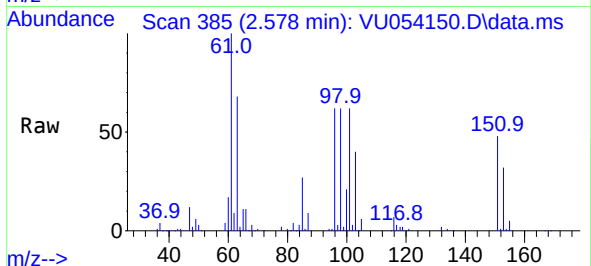




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.029 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054150.D
 Acq: 11 May 2023 09:28

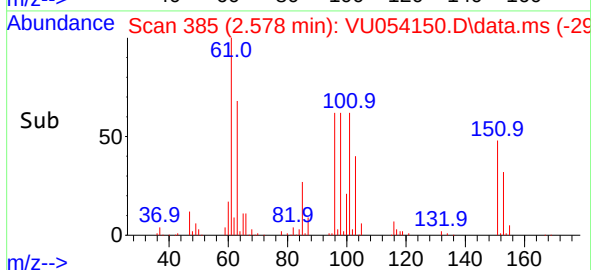
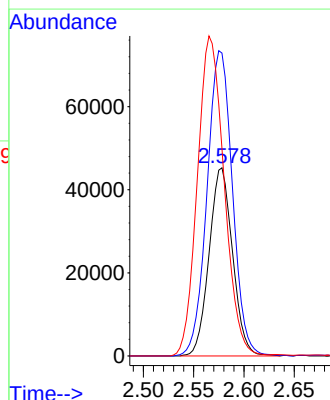
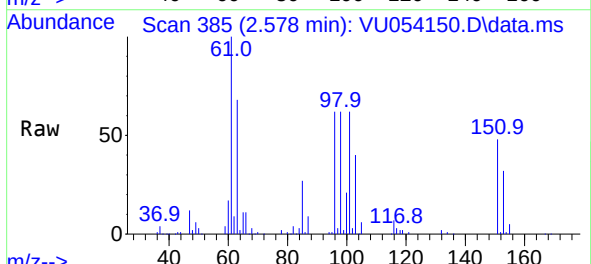
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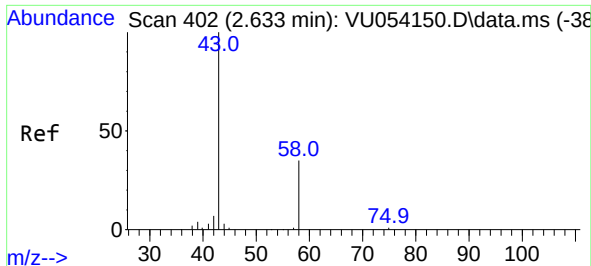
Tgt Ion: 101 Resp: 85358
 Ion Ratio Lower Upper
 101 100
 85 42.4 34.3 51.5
 151 78.6 60.3 90.5



#12
 1,1-Dichloroethene
 Concen: 48.714 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU054150.D
 Acq: 11 May 2023 09:28

Tgt Ion: 96 Resp: 73498
 Ion Ratio Lower Upper
 96 100
 61 160.9 118.3 219.7
 63 110.2 92.3 171.5





#13

Acetone

Concen: 66.166 ug/L

RT: 2.633 min Scan# 402

Delta R.T. 0.000 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

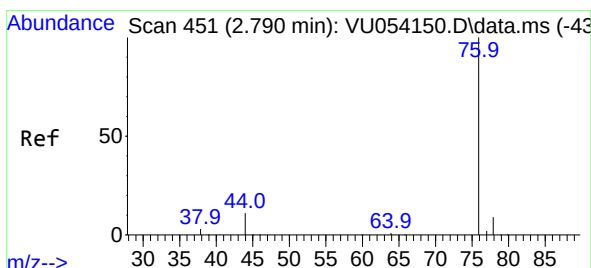
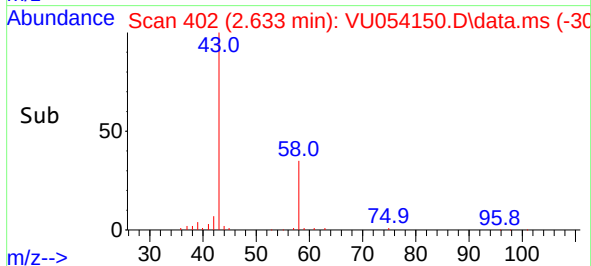
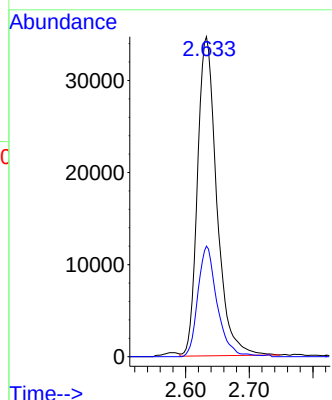
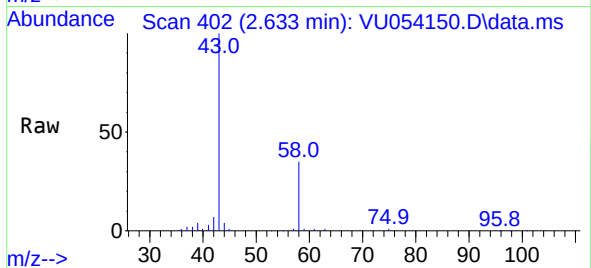
VSTD050100

Tgt Ion: 43 Resp: 72865

Ion Ratio Lower Upper

43 100

58 34.1 0.0 67.4



#14

Carbon disulfide

Concen: 47.497 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU054150.D

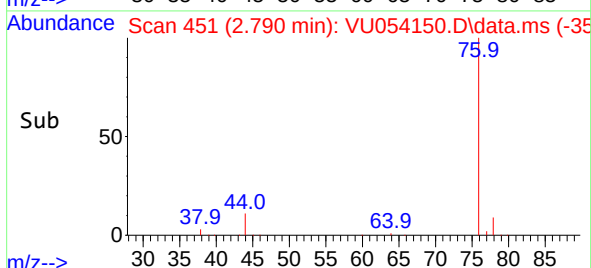
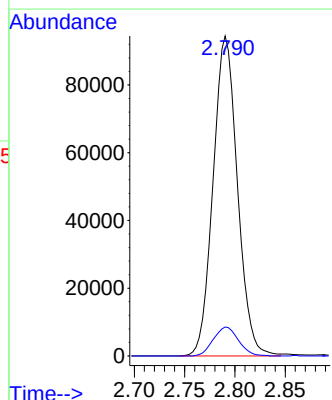
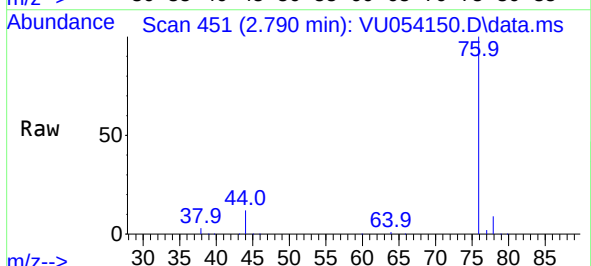
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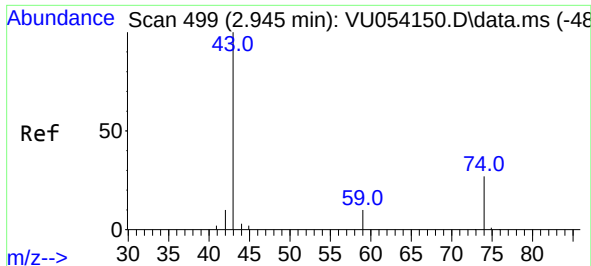
Tgt Ion: 76 Resp: 159053

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

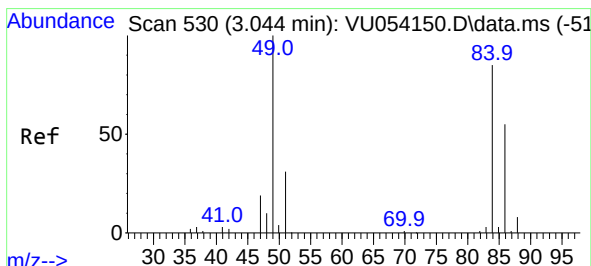
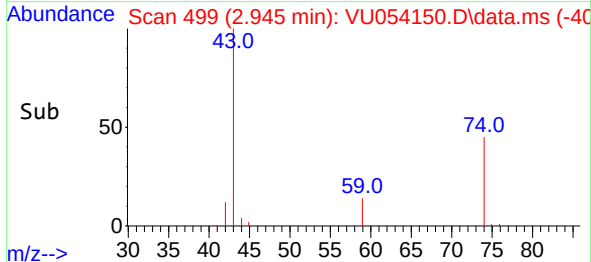
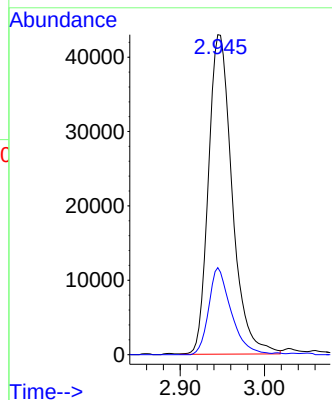
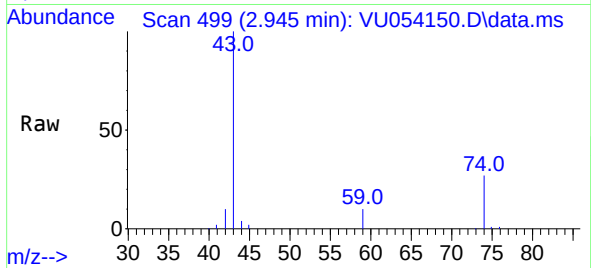




#15
Methyl Acetate
Concen: 48.728 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

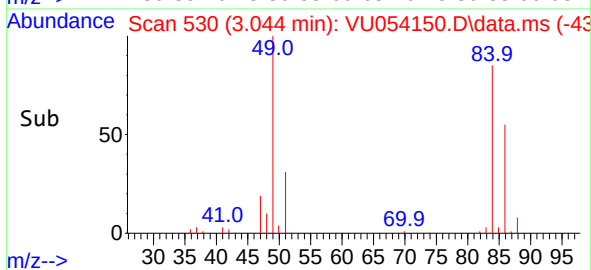
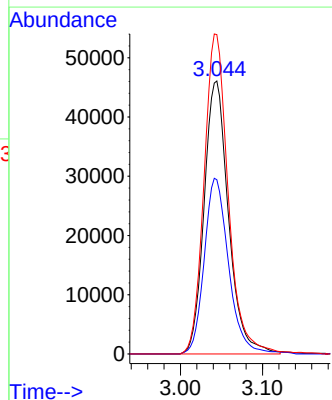
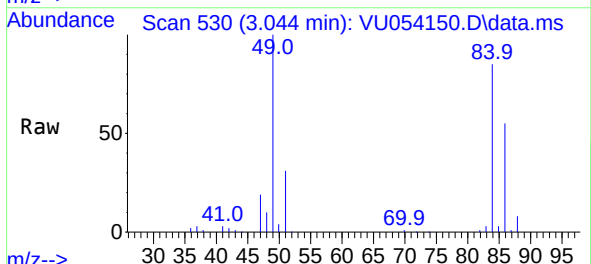
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

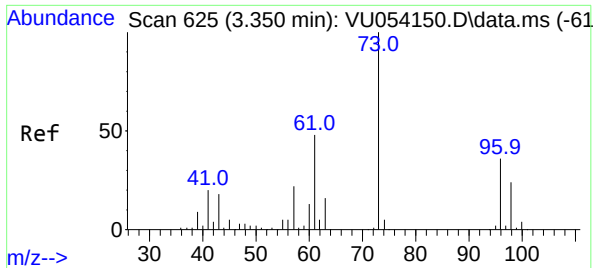
Tgt Ion: 43 Resp: 84037
Ion Ratio Lower Upper
43 100
74 25.8 21.2 31.8



#16
Methylene chloride
Concen: 50.048 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 84 Resp: 95234
Ion Ratio Lower Upper
84 100
86 63.8 45.8 85.2
49 117.0 83.0 154.2

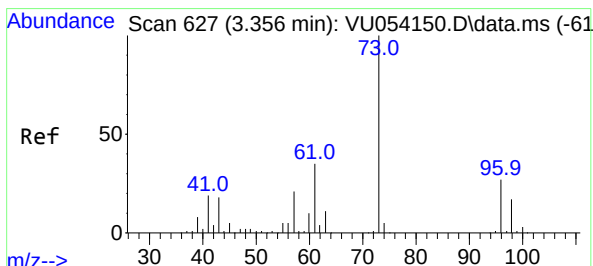
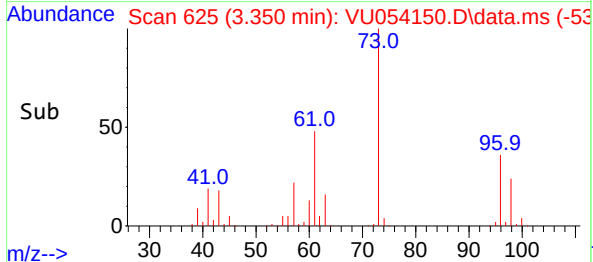
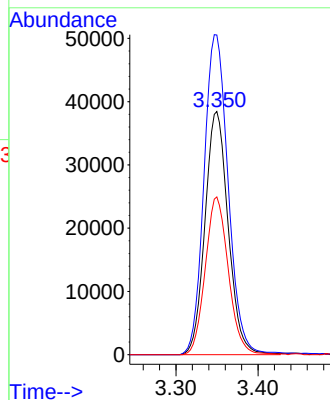
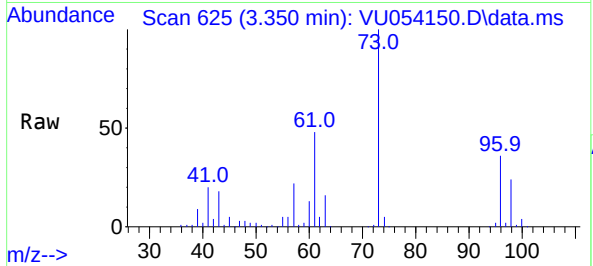




#17
trans-1,2-Dichloroethene
Concen: 49.162 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

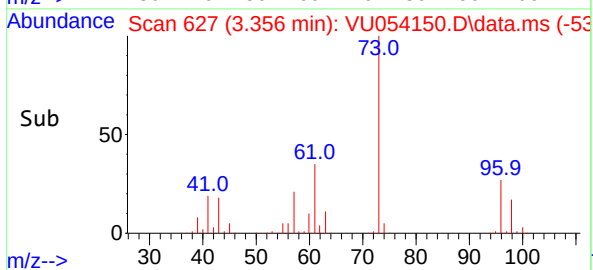
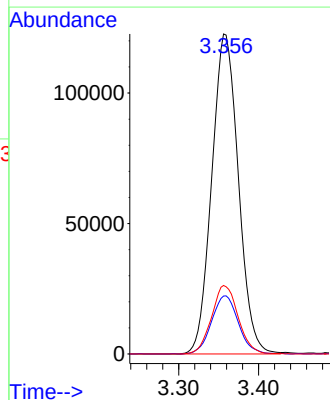
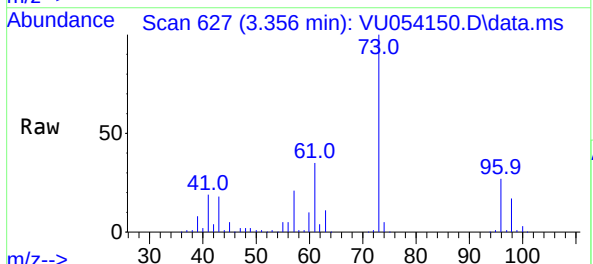
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

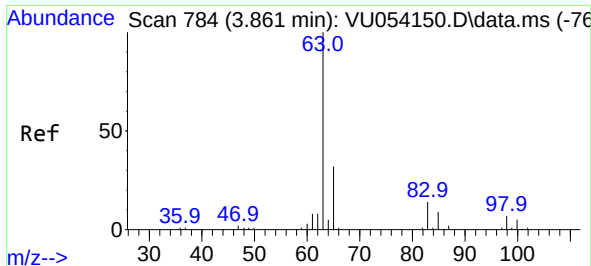
Tgt Ion: 96 Resp: 75845
Ion Ratio Lower Upper
96 100
61 131.5 97.5 181.1
98 64.9 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 49.960 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 73 Resp: 283361
Ion Ratio Lower Upper
73 100
43 18.4 15.4 23.0
57 21.4 18.0 27.0

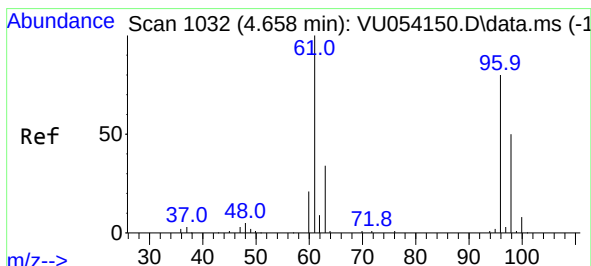
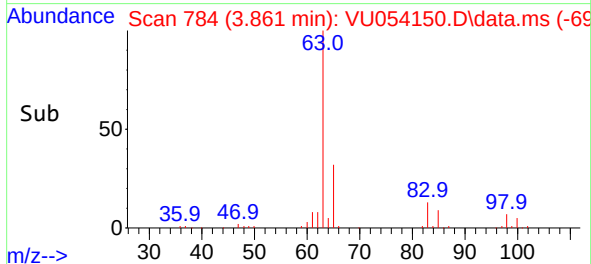
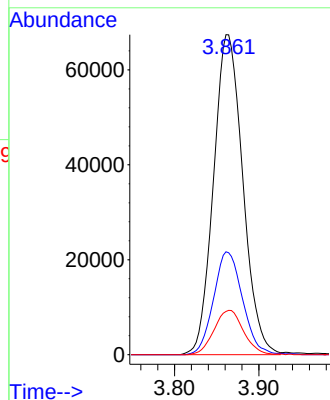
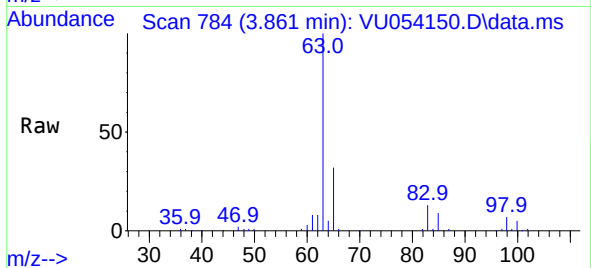




#19
1,1-Dichloroethane
Concen: 49.099 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

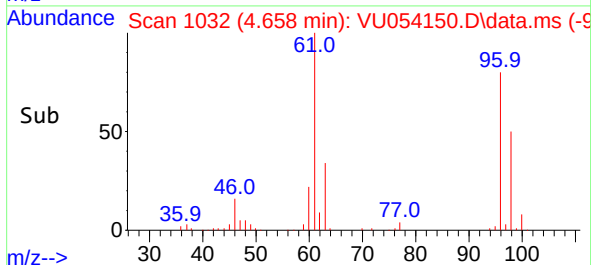
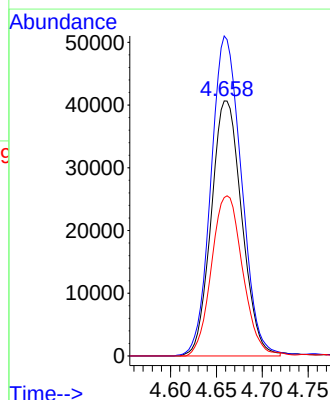
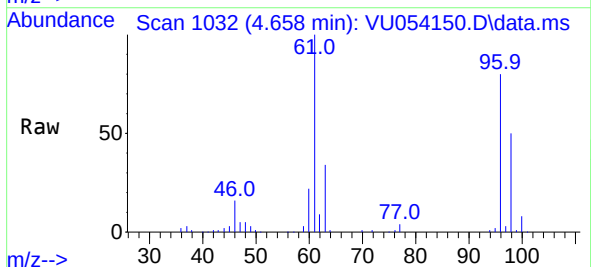
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

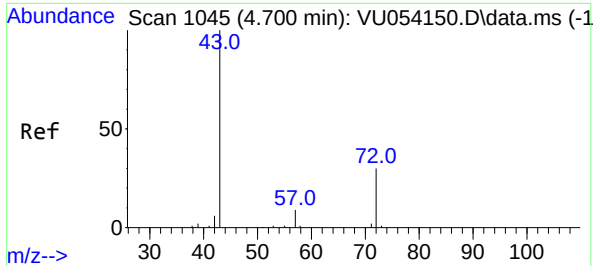
Tgt Ion: 63 Resp: 162637
Ion Ratio Lower Upper
63 100
65 32.2 22.0 40.8
83 13.5 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 49.754 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 96 Resp: 94326
Ion Ratio Lower Upper
96 100
61 125.5 90.9 168.9
98 62.2 45.7 84.9

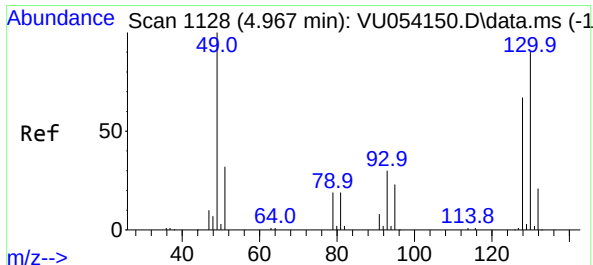
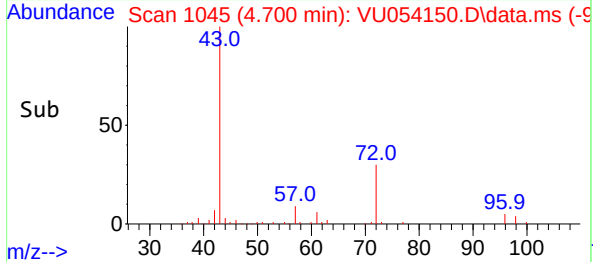
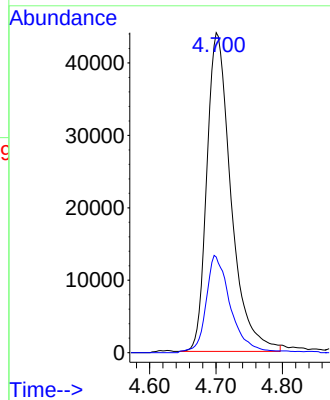
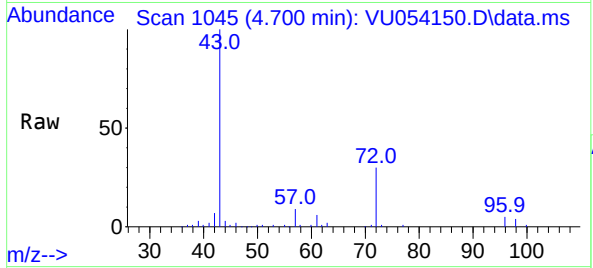




#22
2-Butanone
Concen: 85.867 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

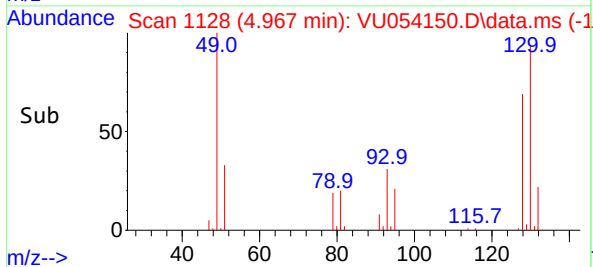
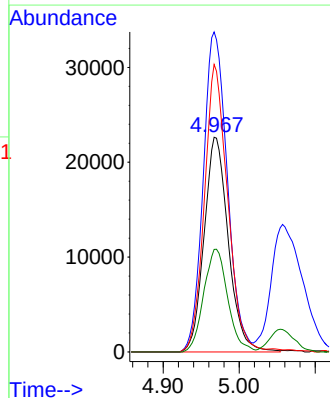
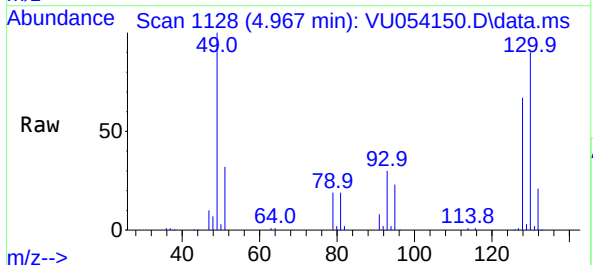
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

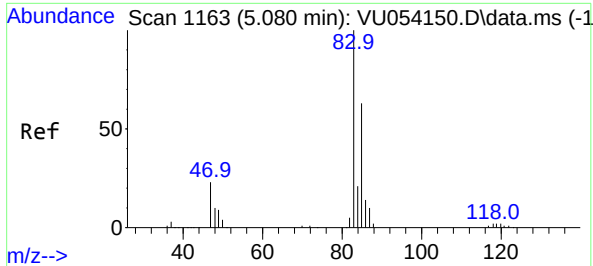
Tgt Ion: 43 Resp: 111640
Ion Ratio Lower Upper
43 100
72 30.6 14.0 41.9



#23
Bromochloromethane
Concen: 51.001 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:128 Resp: 50128
Ion Ratio Lower Upper
128 100
49 149.0 107.5 199.7
130 133.9 91.0 169.0
51 47.8 39.7 59.5

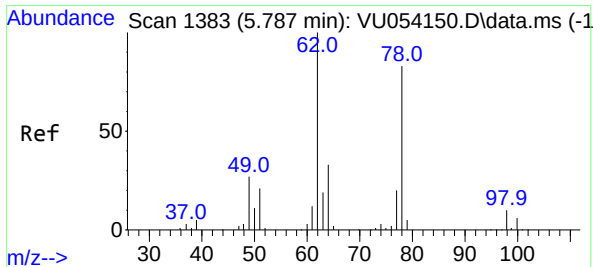
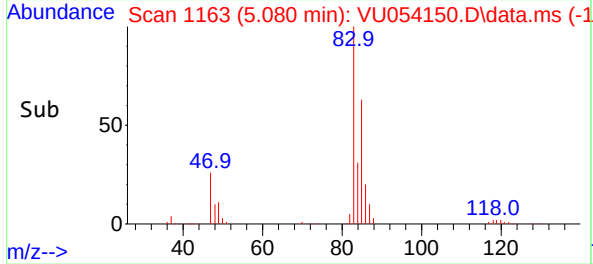
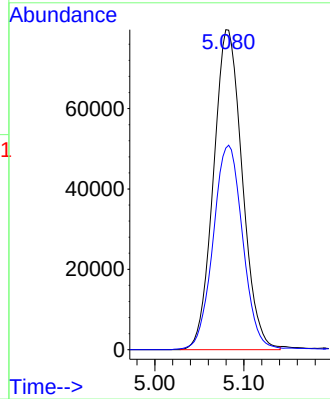
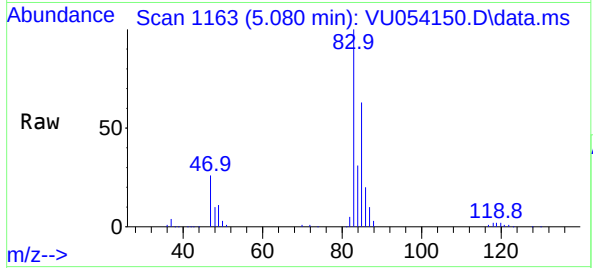




#25
Chloroform
Concen: 51.185 ug/L
RT: 5.080 min Scan# 1163
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

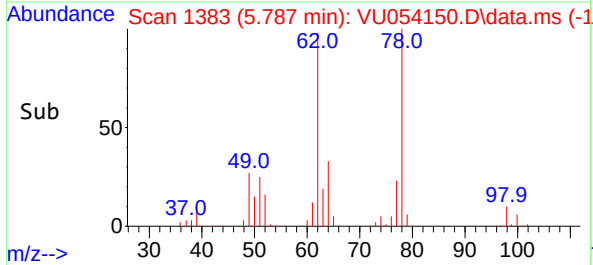
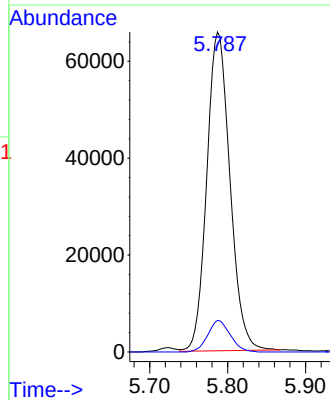
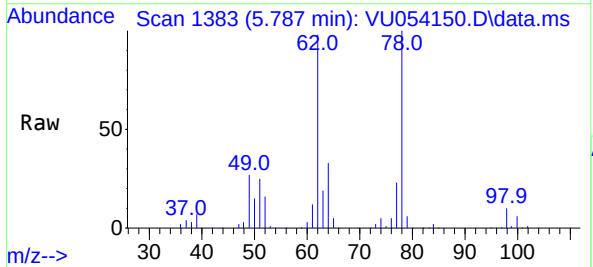
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

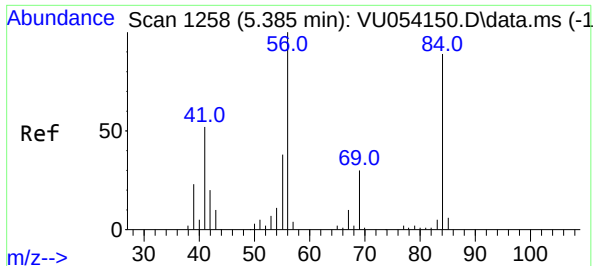
Tgt Ion: 83 Resp: 178916
Ion Ratio Lower Upper
83 100
85 63.0 45.2 84.0



#27
1,2-Dichloroethane
Concen: 50.671 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 62 Resp: 136237
Ion Ratio Lower Upper
62 100
98 9.8 8.0 12.0





#29

Cyclohexane

Concen: 45.489 ug/L

RT: 5.385 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050100

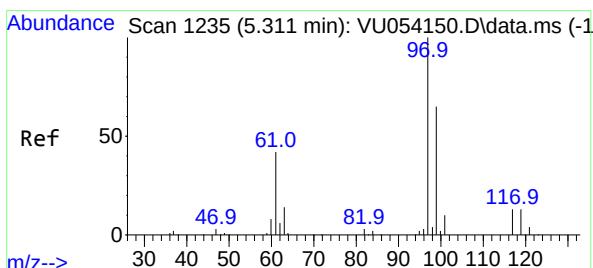
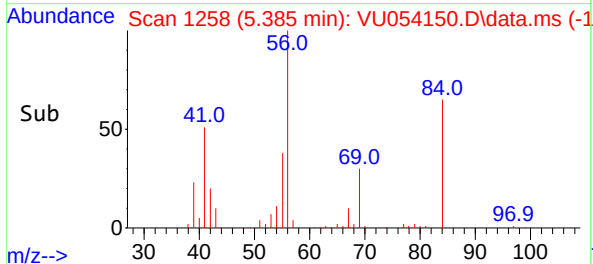
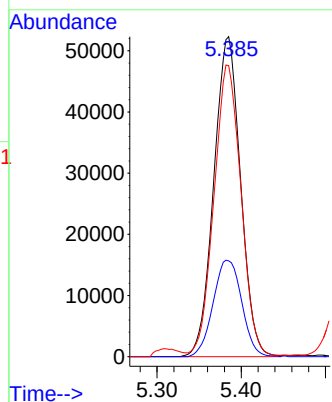
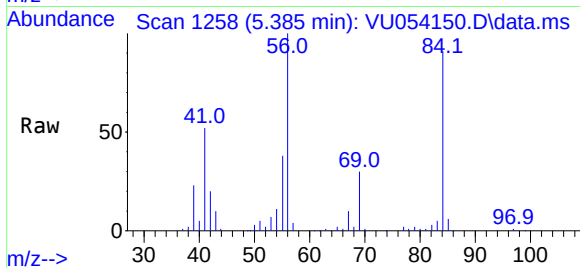
Tgt Ion: 56 Resp: 115288

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.6

84 91.0 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 50.392 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

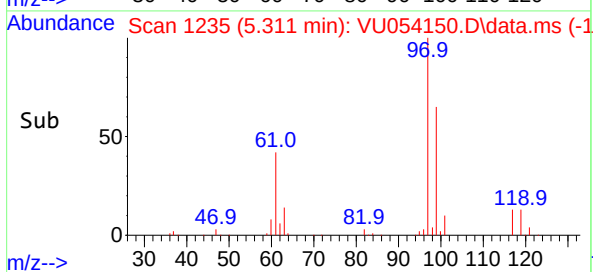
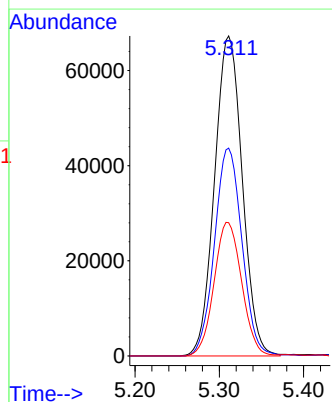
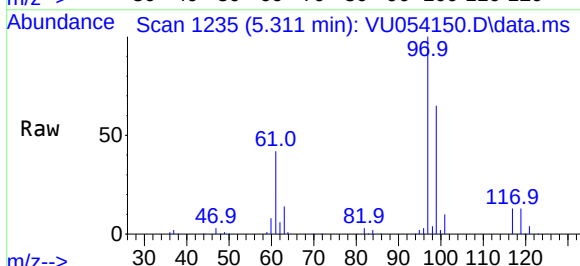
Tgt Ion: 97 Resp: 154029

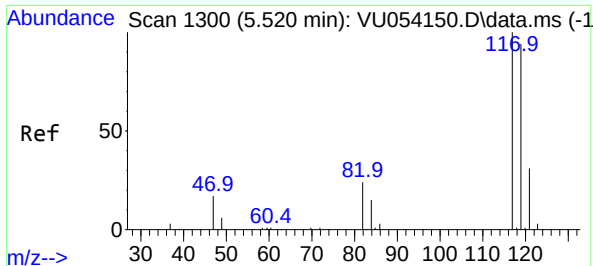
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 41.5 34.2 51.4

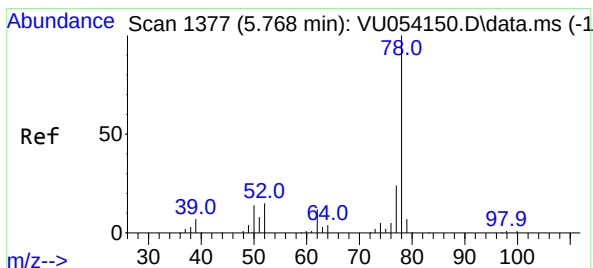
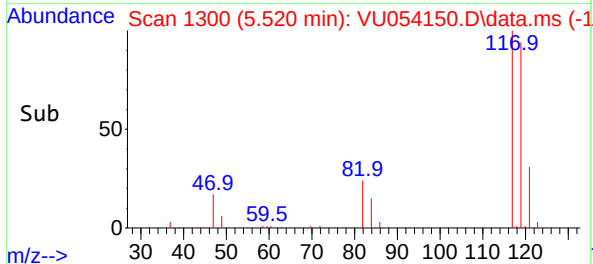
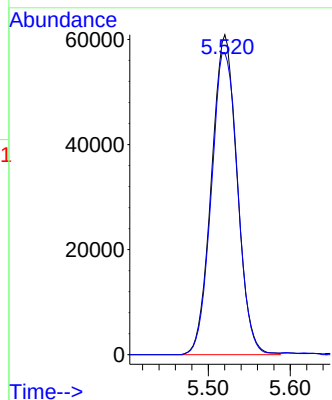
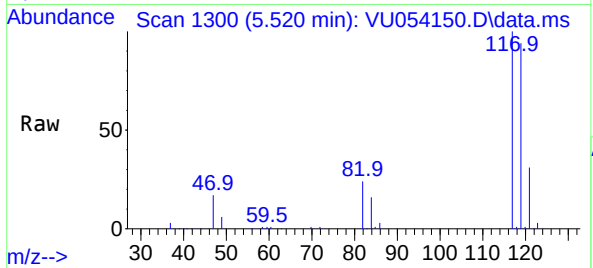




#31
Carbon tetrachloride
Concen: 50.835 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

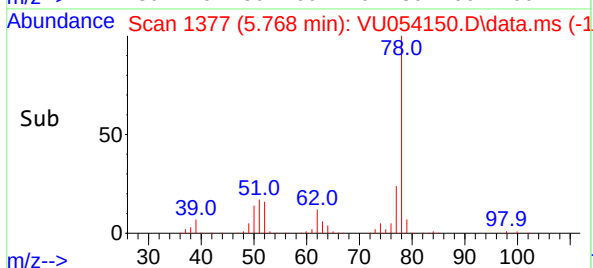
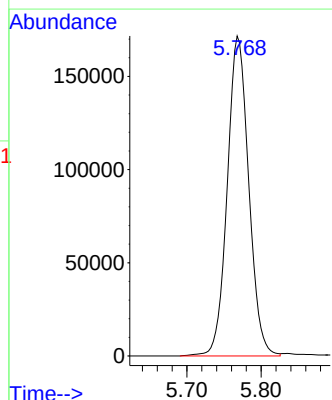
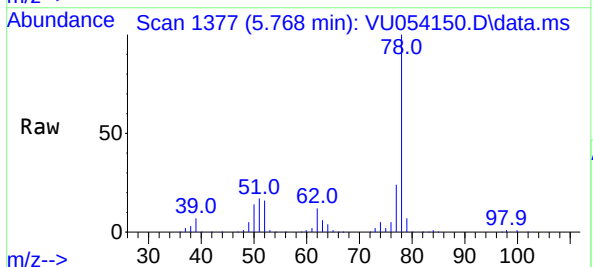
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

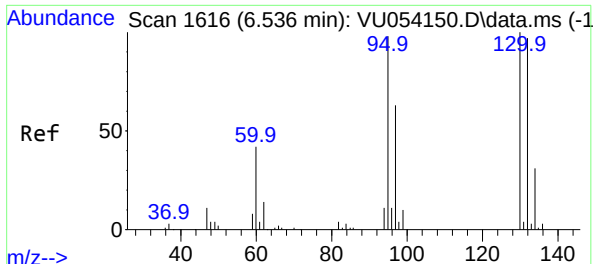
Tgt Ion:117 Resp: 132562
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.6



#33
Benzene
Concen: 48.338 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 78 Resp: 345027

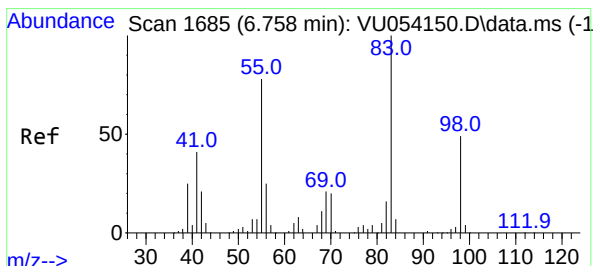
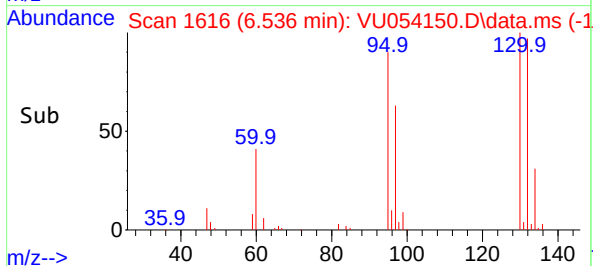
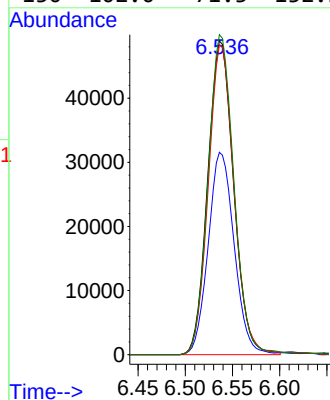
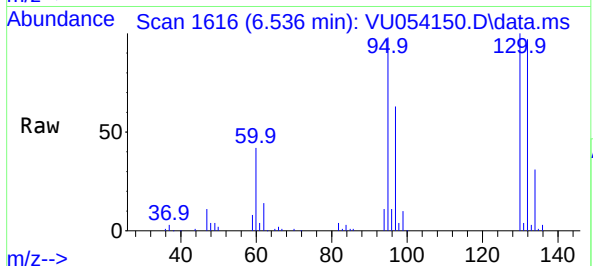




#34
Trichloroethene
Concen: 49.295 ug/L
RT: 6.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

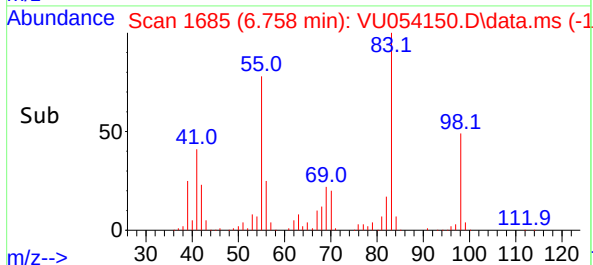
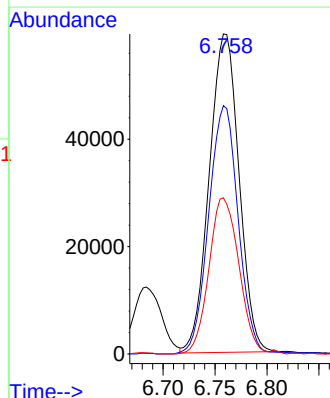
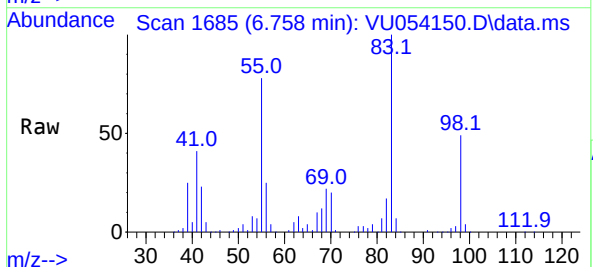
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

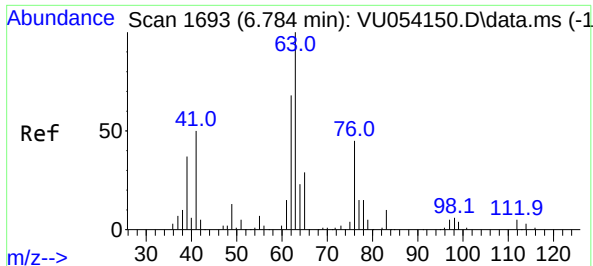
Tgt Ion: 95 Resp: 93388
Ion Ratio Lower Upper
95 100
97 64.5 46.5 86.3
132 98.6 67.8 126.0
130 102.0 71.3 132.3



#35
Methylcyclohexane
Concen: 44.548 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 83 Resp: 118361
Ion Ratio Lower Upper
83 100
55 77.3 61.8 92.6
98 49.3 38.4 57.6

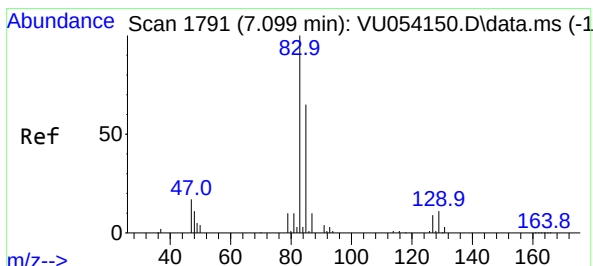
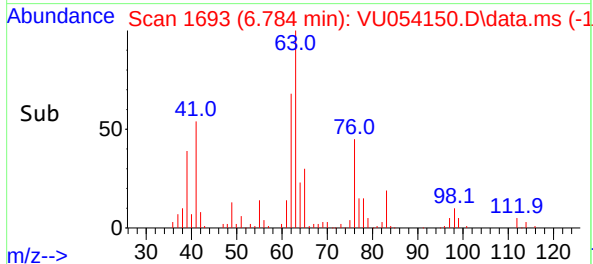
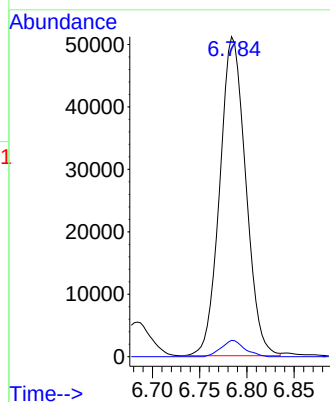
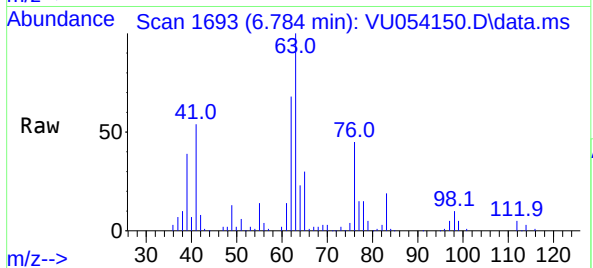




#37
1,2-Dichloropropane
Concen: 48.317 ug/L
RT: 6.784 min Scan# 1693
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

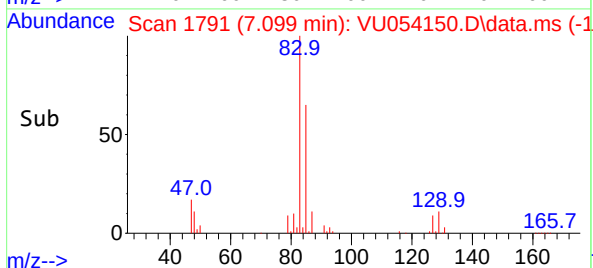
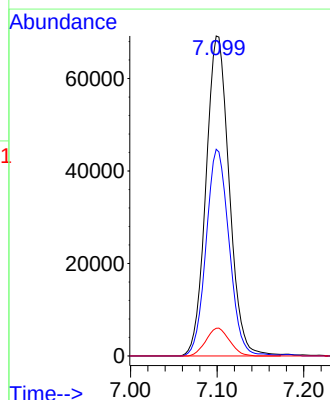
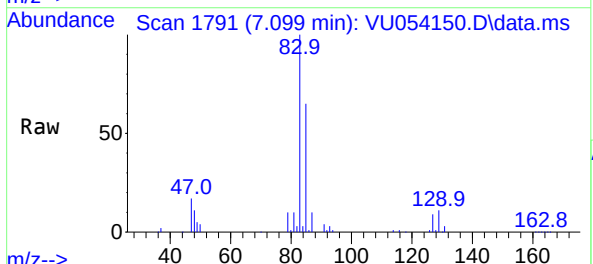
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

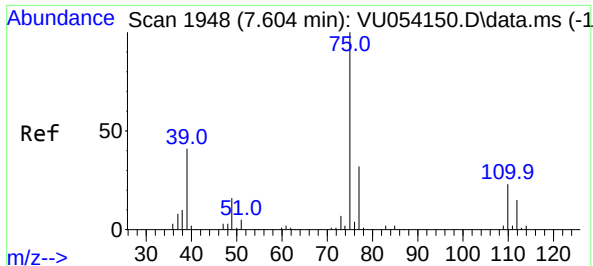
Tgt Ion: 63 Resp: 97571
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.0



#38
Bromodichloromethane
Concen: 50.714 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 83 Resp: 129026
Ion Ratio Lower Upper
83 100
85 64.6 45.0 83.6
127 8.7 7.1 10.7

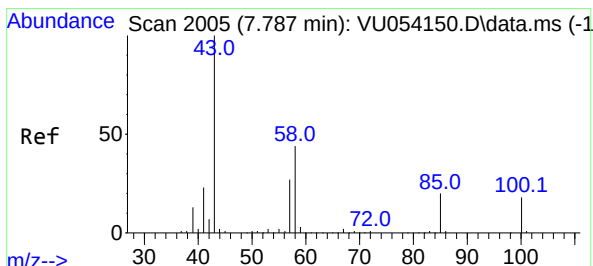
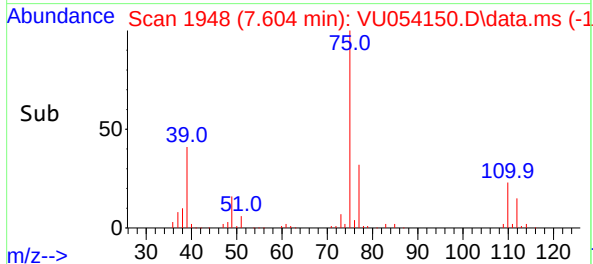
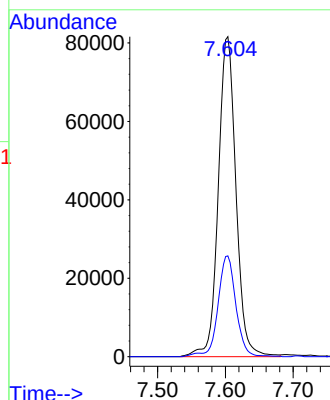
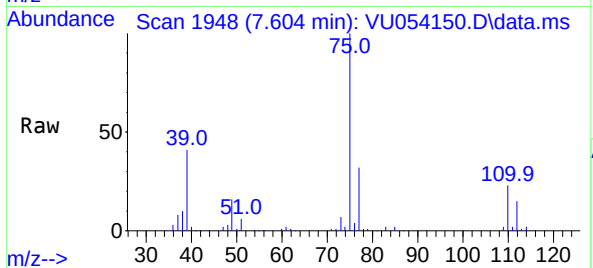




#39
 cis-1,3-Dichloropropene
 Concen: 46.813 ug/L
 RT: 7.604 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VU054150.D
 Acq: 11 May 2023 09:28

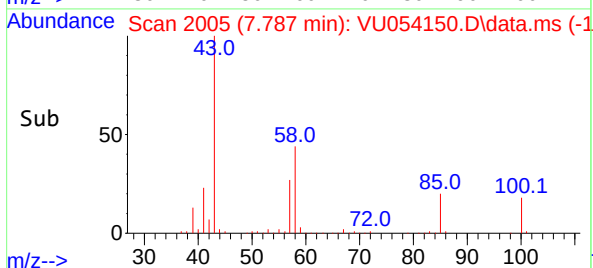
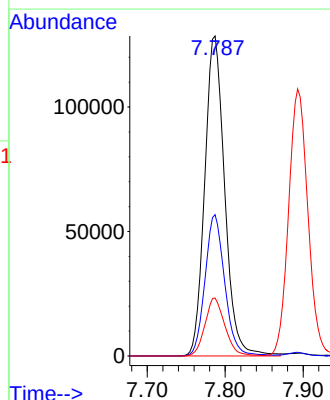
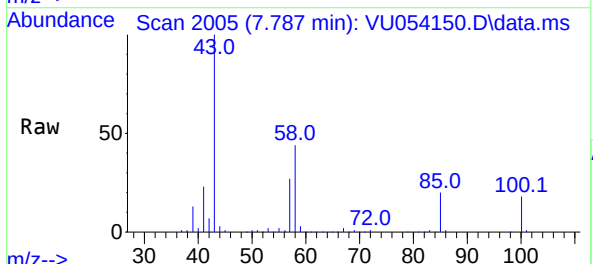
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050100

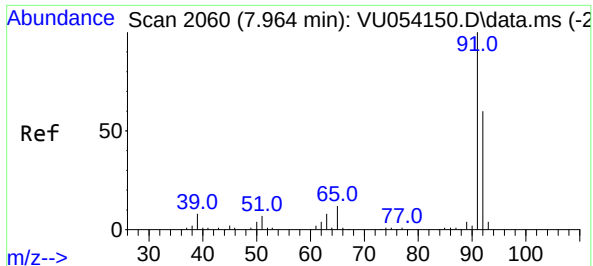
Tgt Ion: 75 Resp: 147884
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 97.445 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VU054150.D
 Acq: 11 May 2023 09:28

Tgt Ion: 43 Resp: 229322
 Ion Ratio Lower Upper
 43 100
 58 43.5 34.5 51.7
 100 18.0 13.8 20.6





#42

Toluene

Concen: 49.835 ug/L

RT: 7.964 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

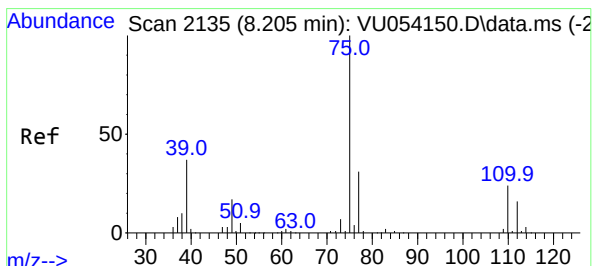
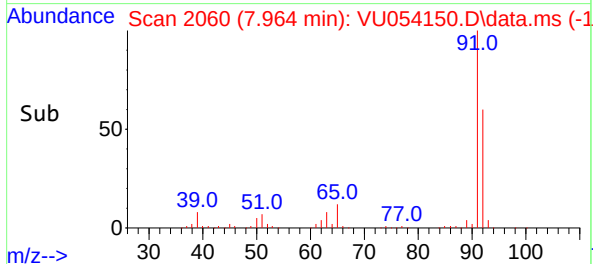
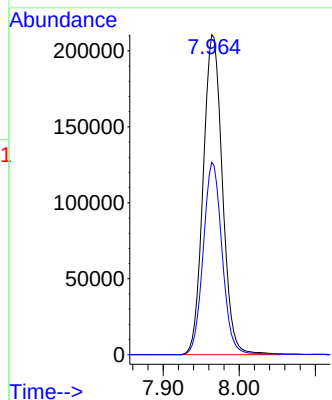
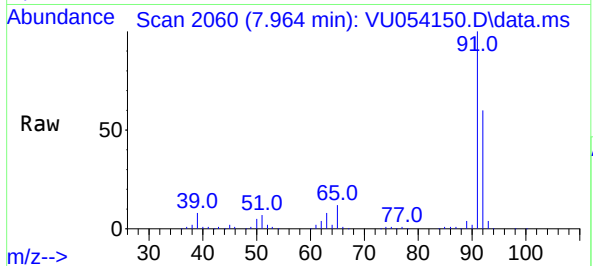
VSTD050100

Tgt Ion: 91 Resp: 370311

Ion Ratio Lower Upper

91 100

92 60.1 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 47.005 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VU054150.D

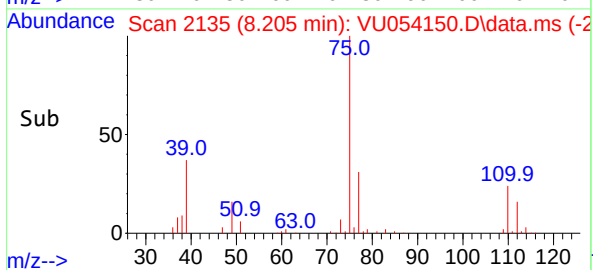
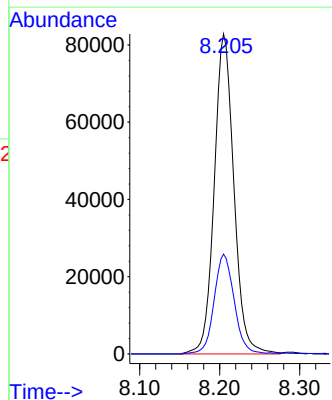
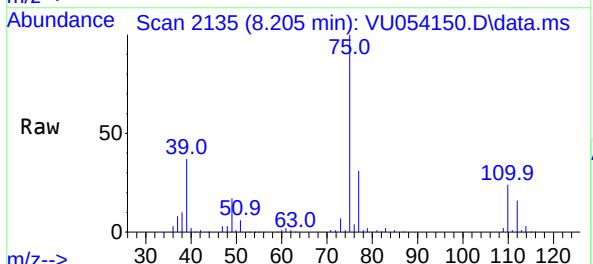
Acq: 11 May 2023 09:28

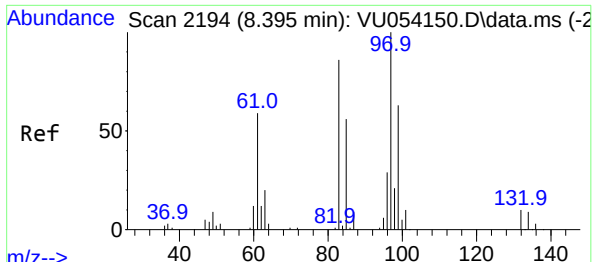
Tgt Ion: 75 Resp: 141121

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



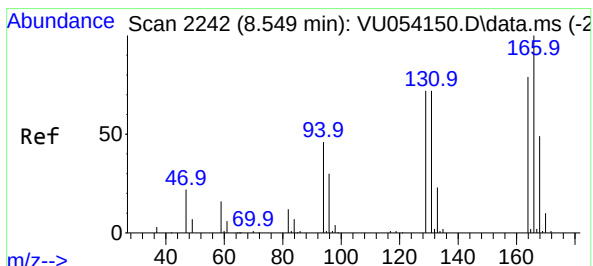
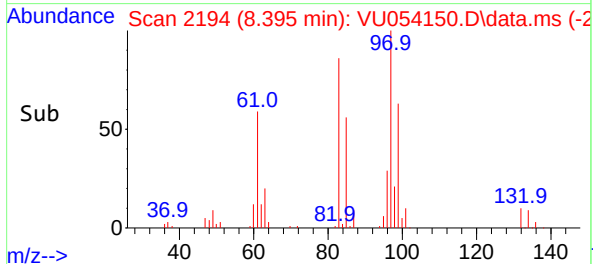
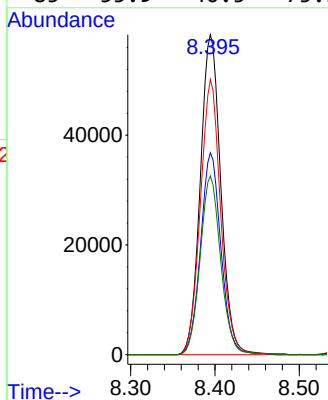
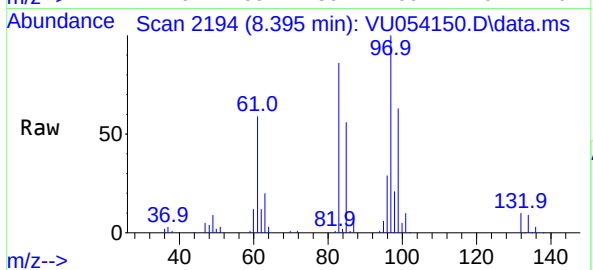


#45
1,1,2-Trichloroethane
Concen: 50.569 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

Tgt Ion: 97 Resp: 98843

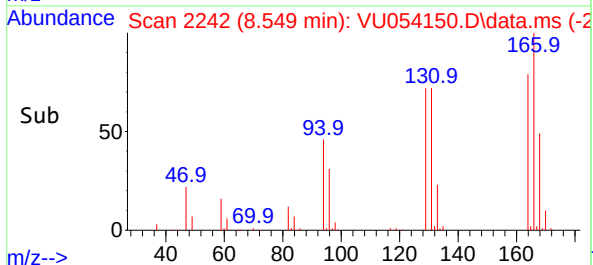
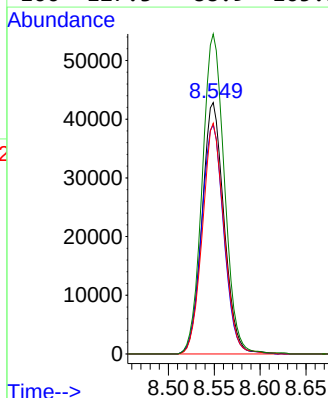
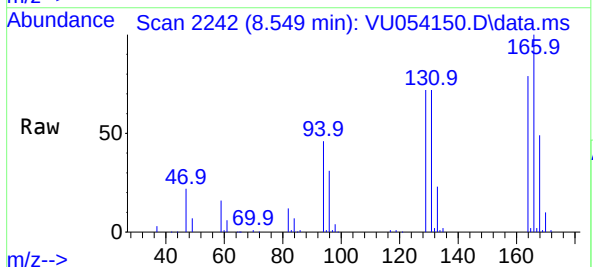
Ion	Ratio	Lower	Upper
97	100		
99	63.1	46.2	85.8
83	86.0	62.7	116.5
85	55.9	40.5	75.1

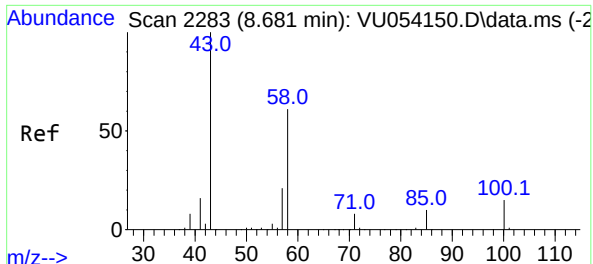


#46
Tetrachloroethene
Concen: 47.516 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:164 Resp: 71414

Ion	Ratio	Lower	Upper
164	100		
129	91.2	65.6	121.8
131	91.8	63.8	118.4
166	127.3	88.9	165.1



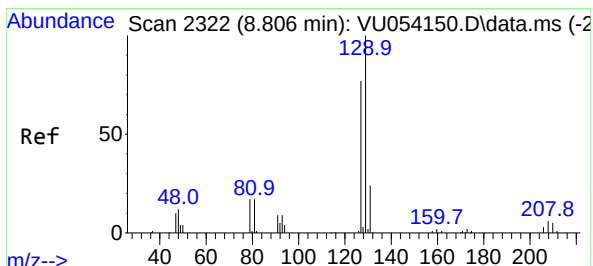
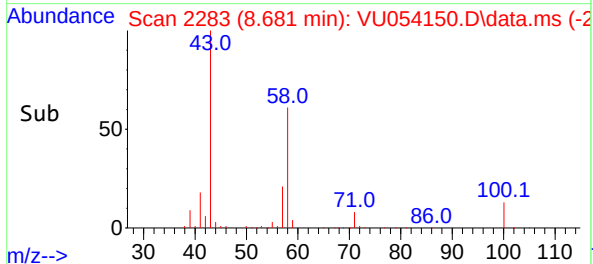
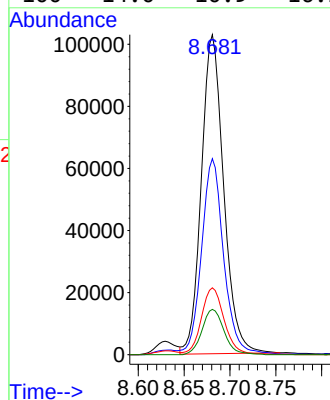
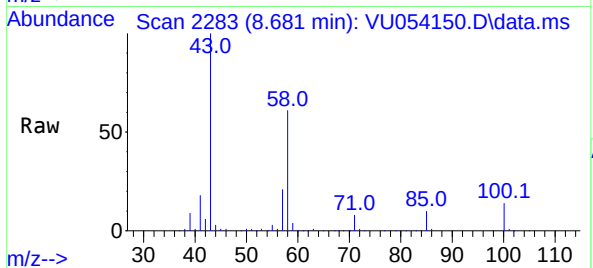


#48
2-Hexanone
Concen: 93.356 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

Tgt Ion: 43 Resp: 174112

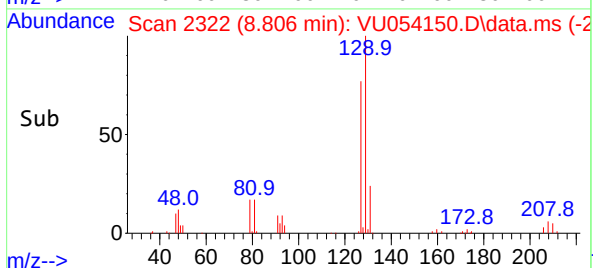
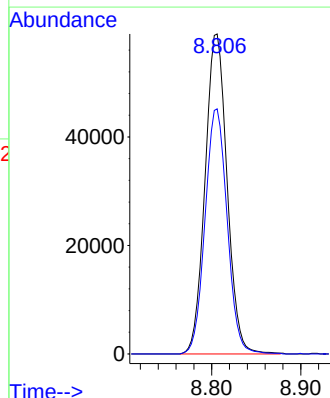
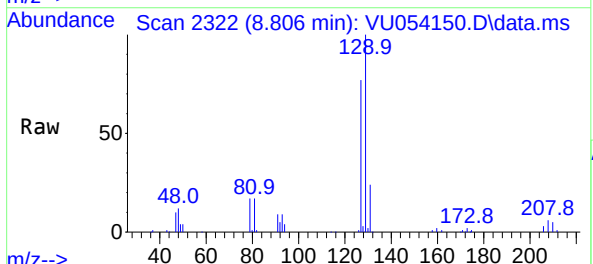
Ion	Ratio	Lower	Upper
43	100		
58	60.5	48.5	72.7
57	21.2	16.5	24.7
100	14.0	10.9	16.3

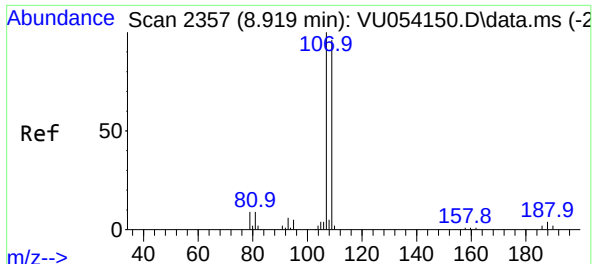


#49
Dibromochloromethane
Concen: 52.632 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 129 Resp: 101373

Ion	Ratio	Lower	Upper
129	100		
127	76.6	52.9	98.3

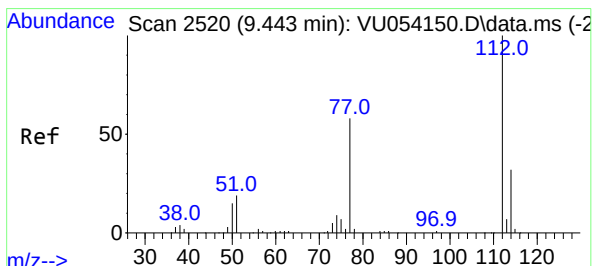
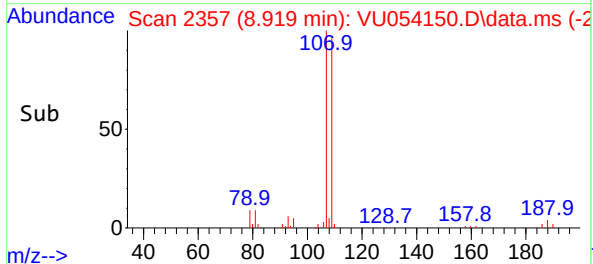
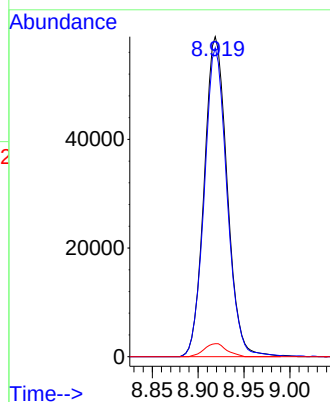
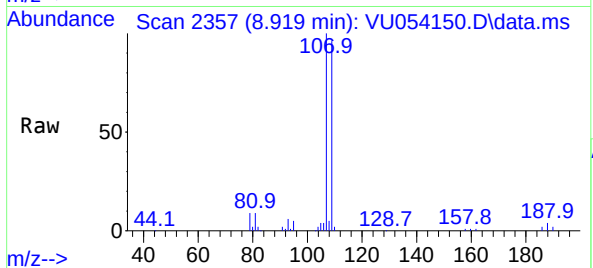




#50
1,2-Dibromoethane
Concen: 51.629 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

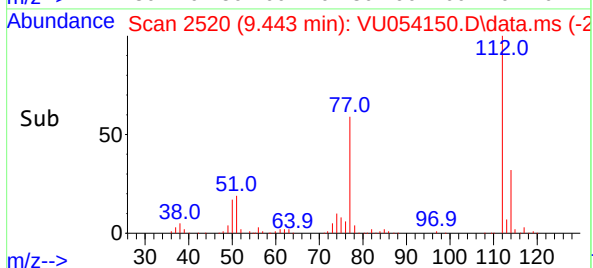
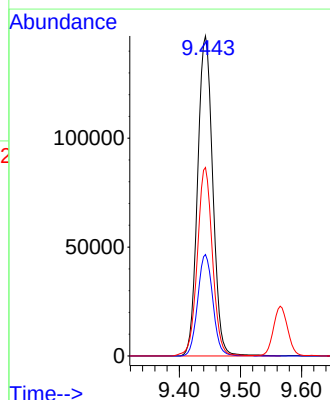
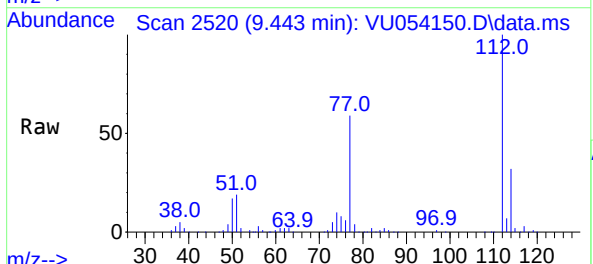
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

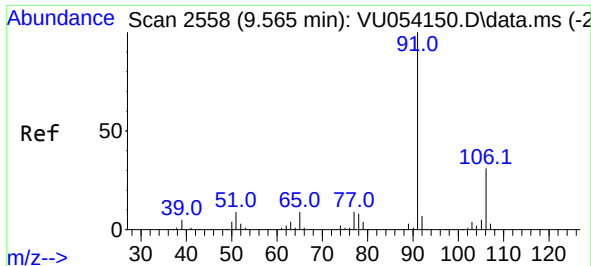
Tgt Ion:107 Resp: 102429
Ion Ratio Lower Upper
107 100
109 96.5 66.1 122.8
188 4.1 3.1 4.7



#51
Chlorobenzene
Concen: 50.831 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:112 Resp: 252634
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 58.9 47.0 70.4

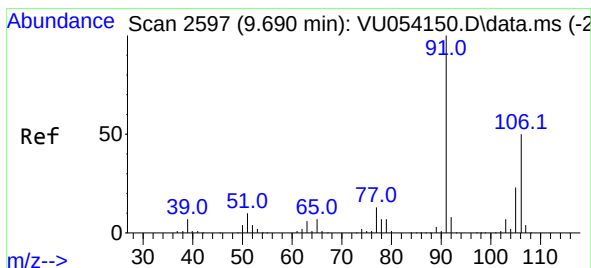
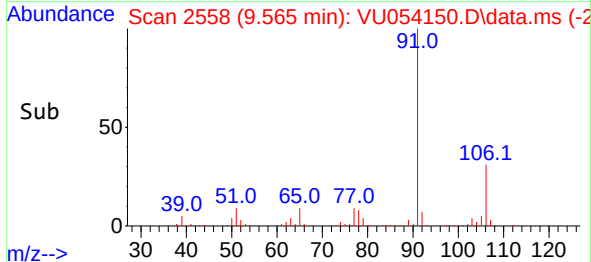
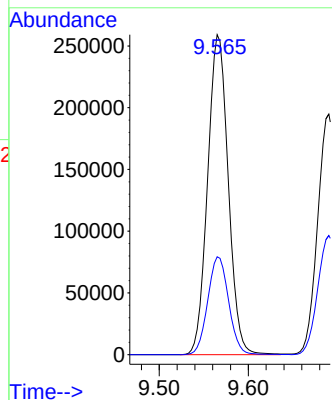
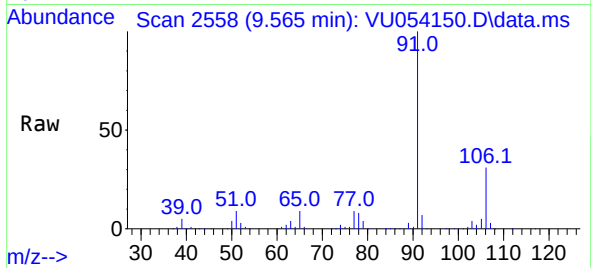




#52
Ethylbenzene
Concen: 49.773 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

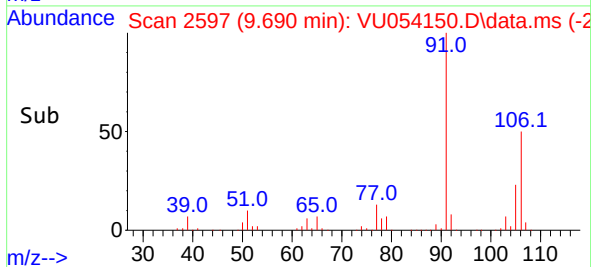
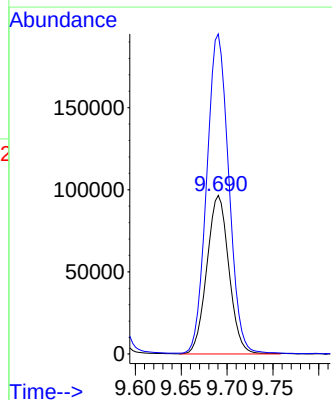
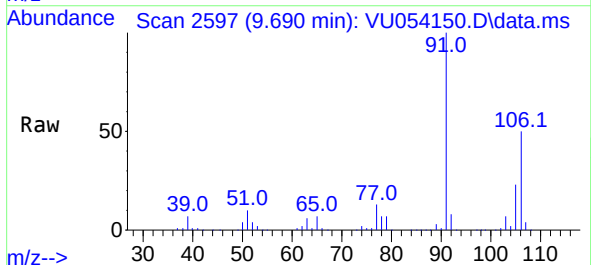
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

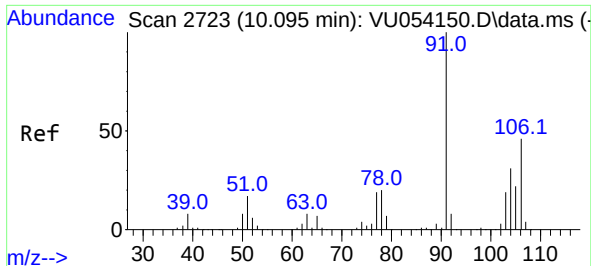
Tgt Ion: 91 Resp: 416269
Ion Ratio Lower Upper
91 100
106 30.6 21.3 39.6



#53
m,p-Xylene
Concen: 51.441 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 106 Resp: 161548
Ion Ratio Lower Upper
106 100
91 201.8 140.5 260.9

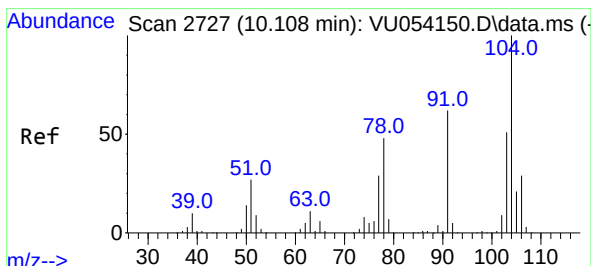
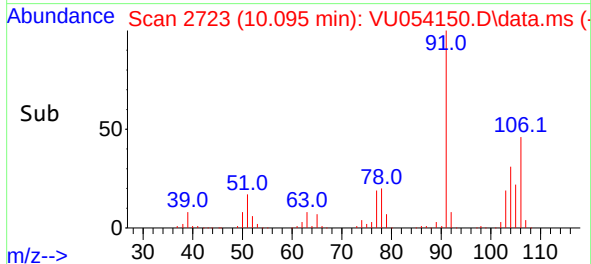
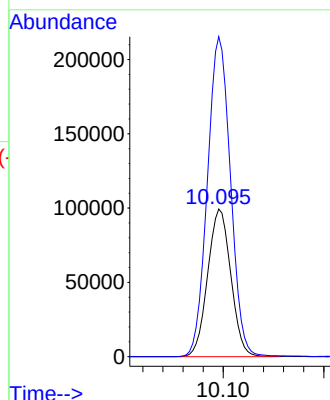
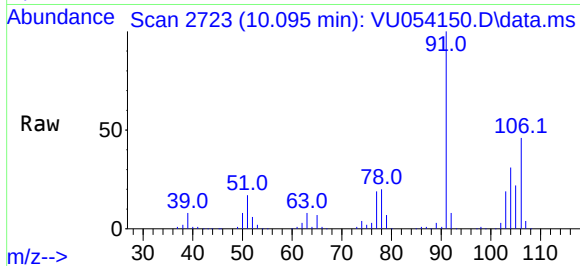




#54
o-Xylene
Concen: 51.719 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

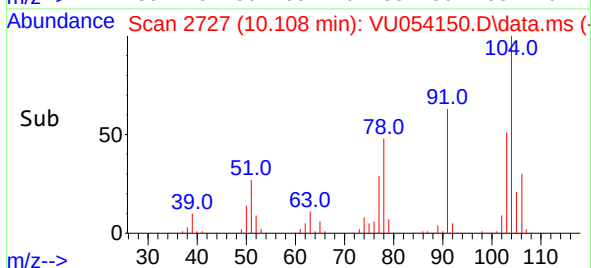
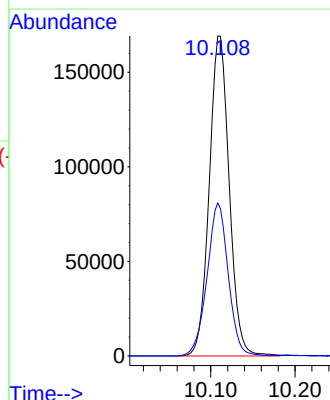
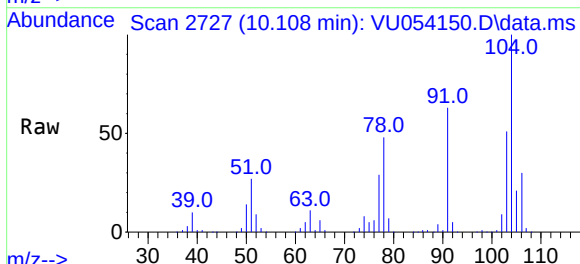
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

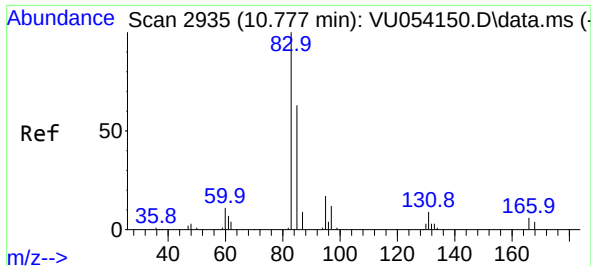
Tgt Ion:106 Resp: 158900
Ion Ratio Lower Upper
106 100
91 216.7 154.9 287.7



#55
Styrene
Concen: 52.895 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:104 Resp: 278745
Ion Ratio Lower Upper
104 100
78 47.8 33.2 61.7

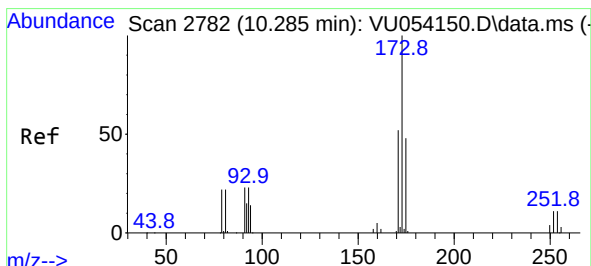
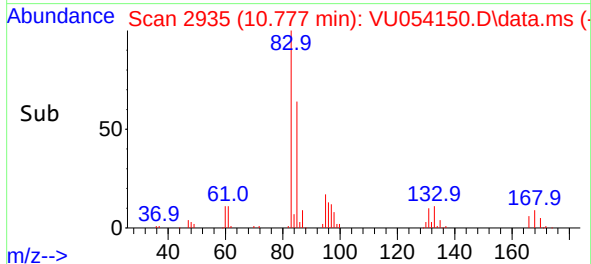
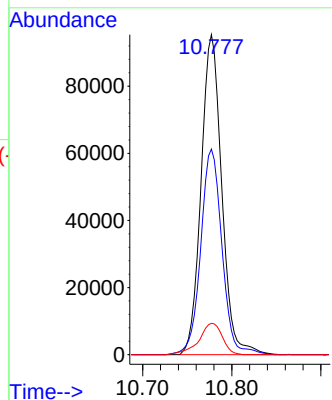
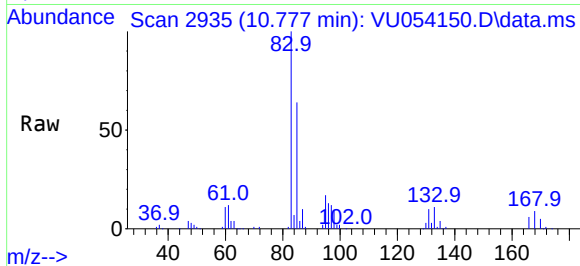




#57
 1,1,2,2-Tetrachloroethane
 Concen: 49.900 ug/L
 RT: 10.777 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VU054150.D
 Acq: 11 May 2023 09:28

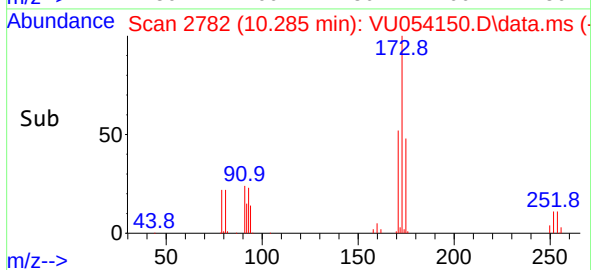
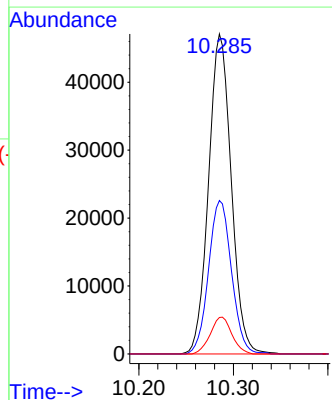
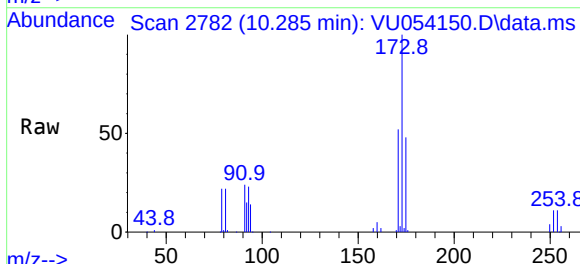
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050100

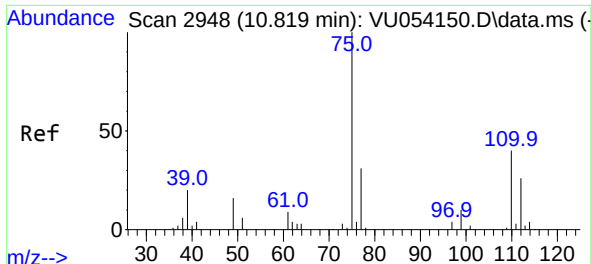
Tgt Ion: 83 Resp: 153646
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.1 83.9
 131 9.8 8.2 12.2



#59
 Bromoform
 Concen: 51.973 ug/L
 RT: 10.285 min Scan# 2782
 Delta R.T. 0.000 min
 Lab File: VU054150.D
 Acq: 11 May 2023 09:28

Tgt Ion: 173 Resp: 78371
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.9 58.3
 254 11.0 8.5 12.7



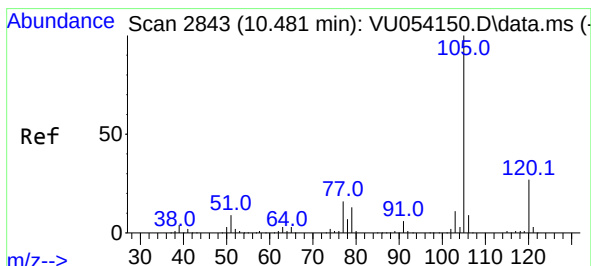
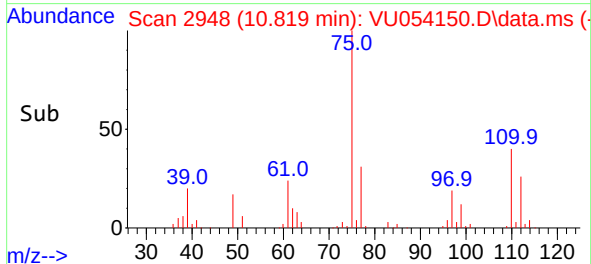
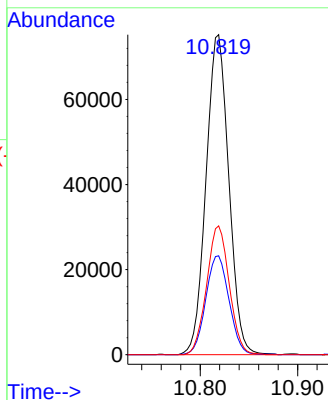
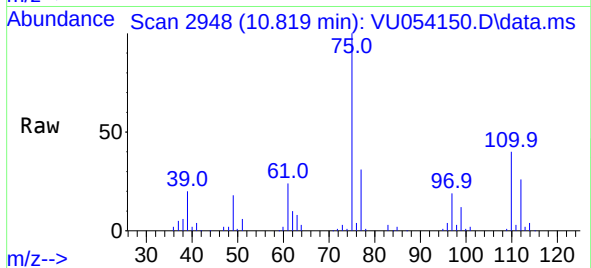


#60
1,2,3-Trichloropropane
Concen: 48.854 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

Tgt Ion: 75 Resp: 122223

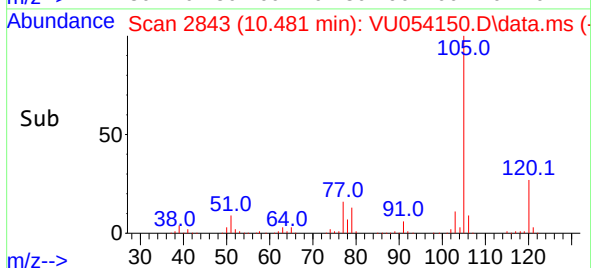
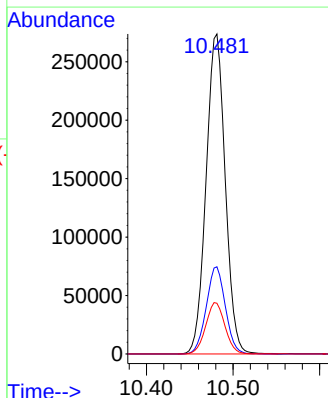
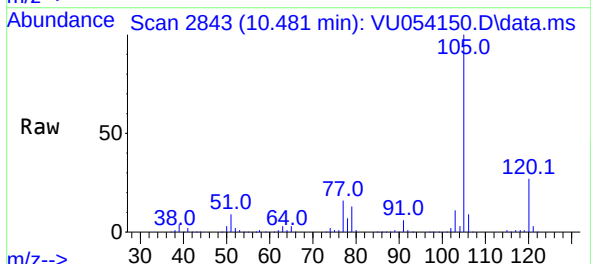
Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.0	39.0
110	39.9	31.8	47.8

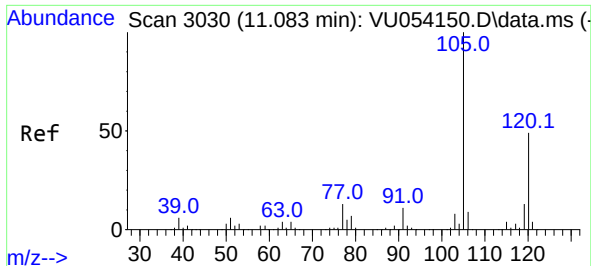


#61
Isopropylbenzene
Concen: 49.491 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion: 105 Resp: 420784

Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.3	31.9
77	16.1	12.7	19.1

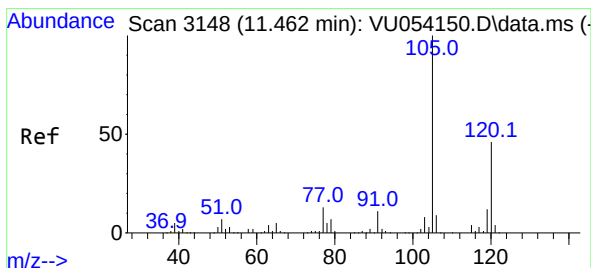
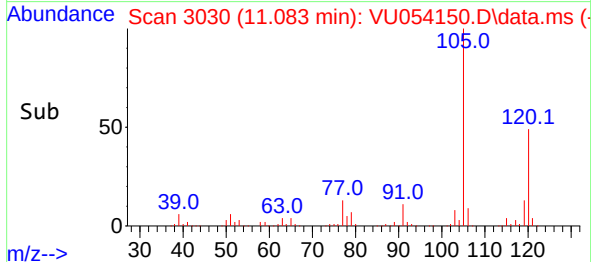
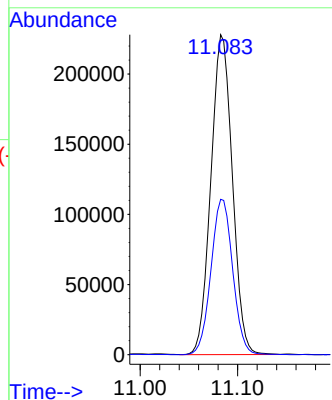
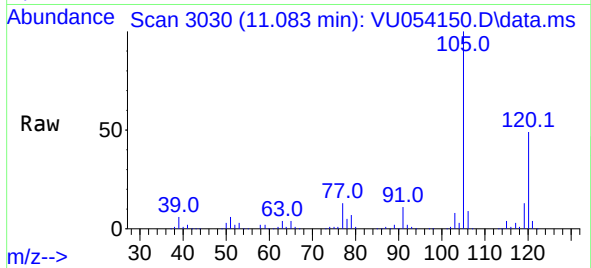




#62
1,3,5-Trimethylbenzene
Concen: 50.069 ug/L
RT: 11.083 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

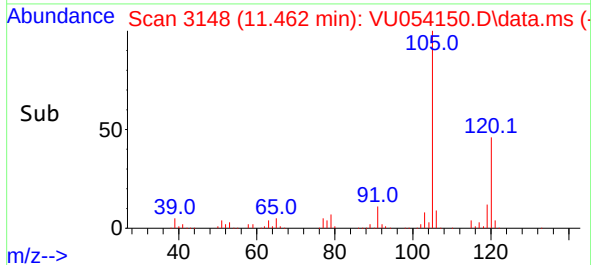
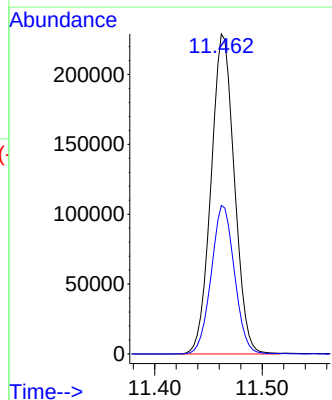
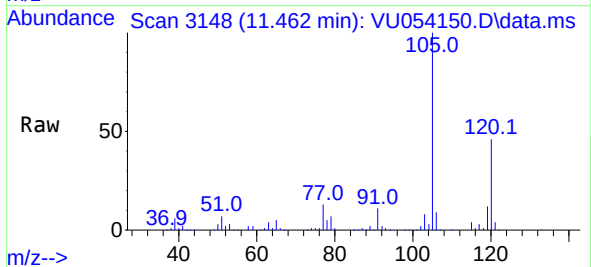
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

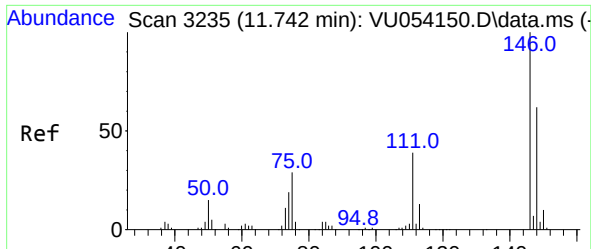
Tgt Ion:105 Resp: 348831
Ion Ratio Lower Upper
105 100
120 49.2 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 50.262 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:105 Resp: 345160
Ion Ratio Lower Upper
105 100
120 46.0 36.5 54.7

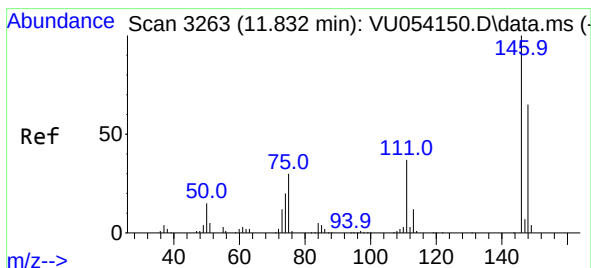
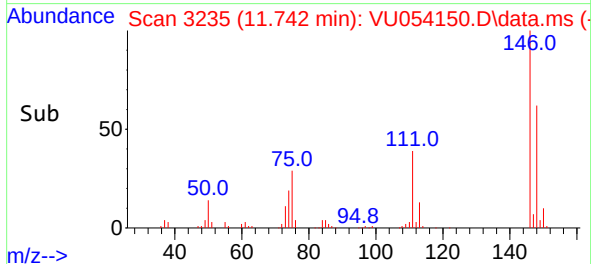
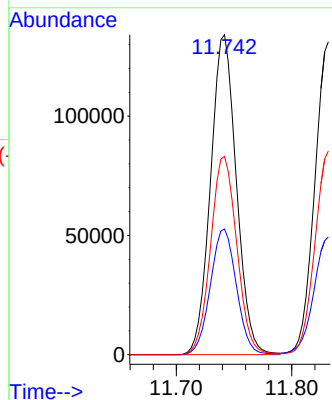
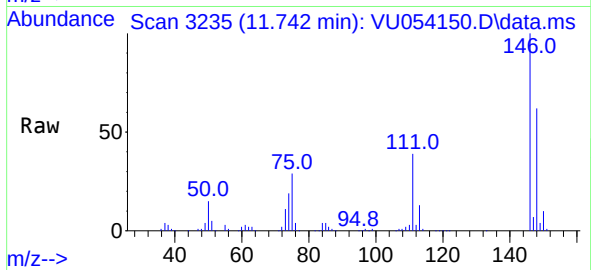




#64
1,3-Dichlorobenzene
Concen: 50.170 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

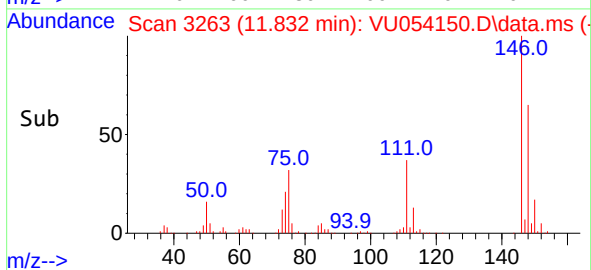
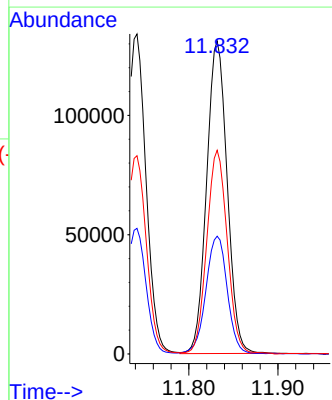
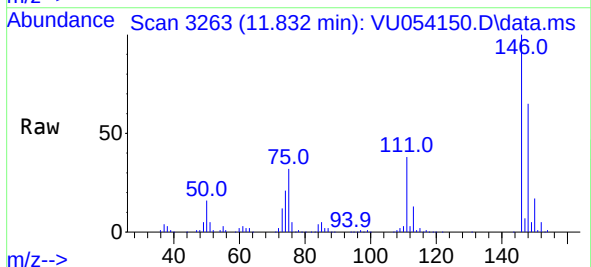
Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

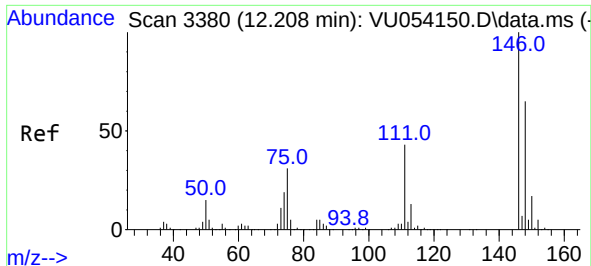
Tgt Ion:146 Resp: 208619
Ion Ratio Lower Upper
146 100
111 39.3 27.9 51.7
148 61.9 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 49.460 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:146 Resp: 209458
Ion Ratio Lower Upper
146 100
111 37.6 27.9 51.7
148 65.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 50.181 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD050100

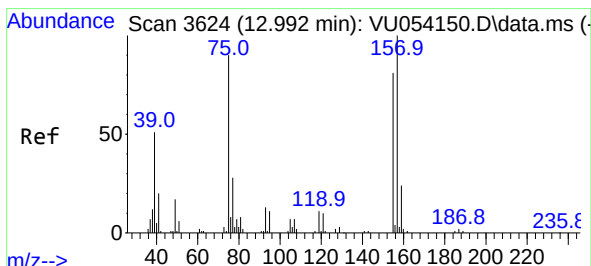
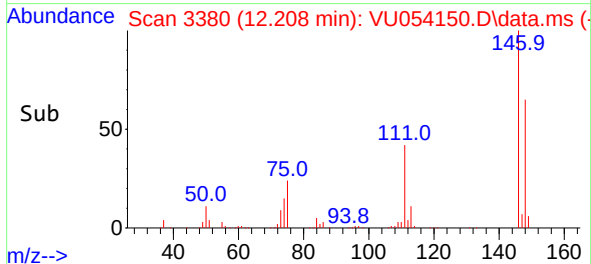
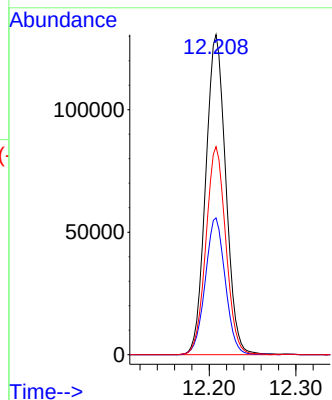
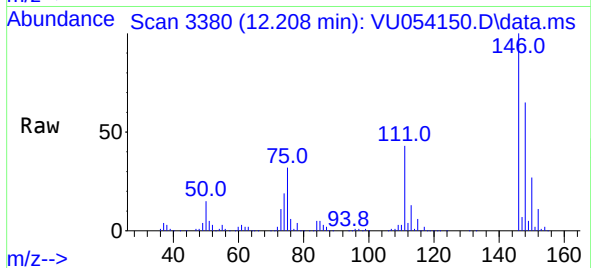
Tgt Ion:146 Resp: 210594

Ion Ratio Lower Upper

146 100

111 42.7 33.4 50.0

148 65.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 48.750 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU054150.D

Acq: 11 May 2023 09:28

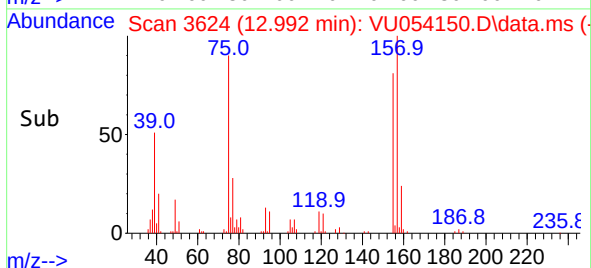
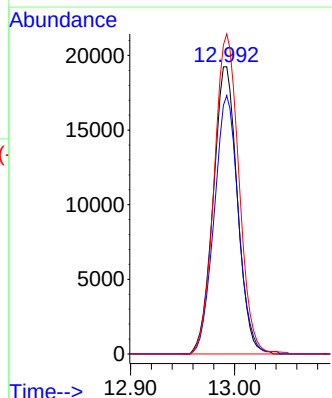
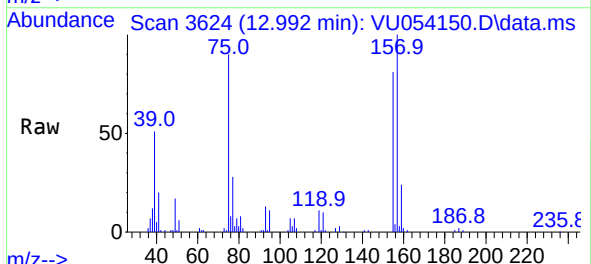
Tgt Ion: 75 Resp: 31115

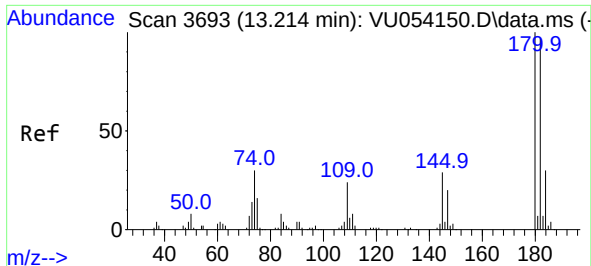
Ion Ratio Lower Upper

75 100

155 94.1 67.8 101.6

157 111.4 88.3 132.5



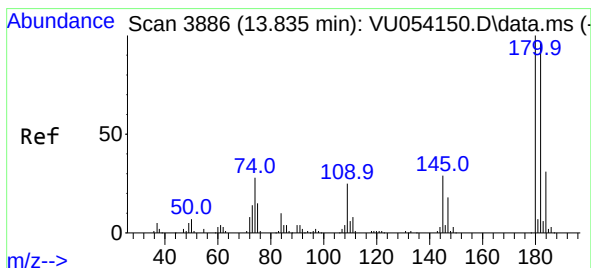
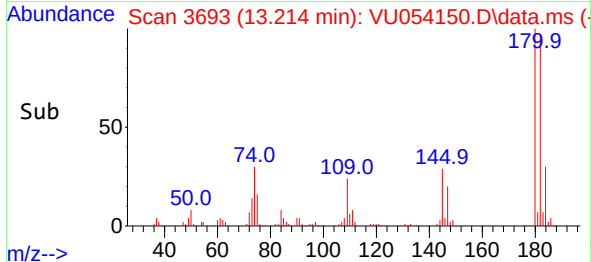
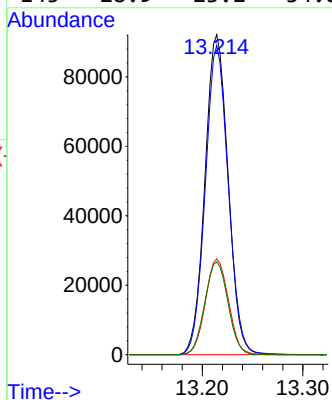
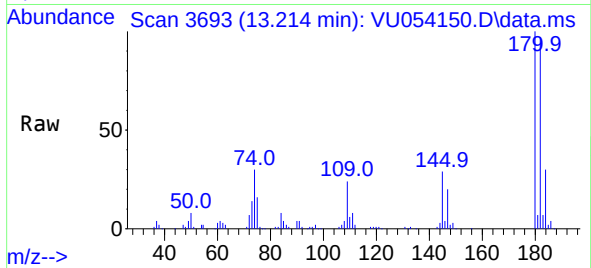


#69
1,3,5-Trichlorobenzene
Concen: 48.934 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

Tgt Ion:180 Resp: 147449

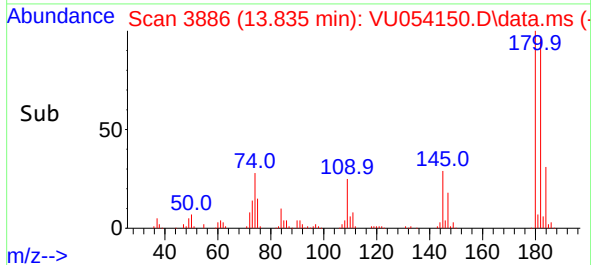
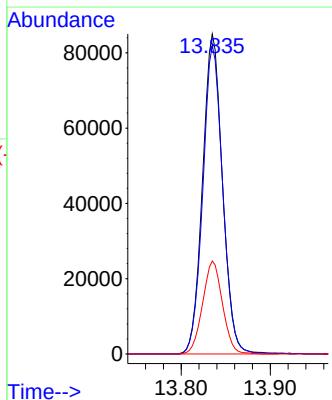
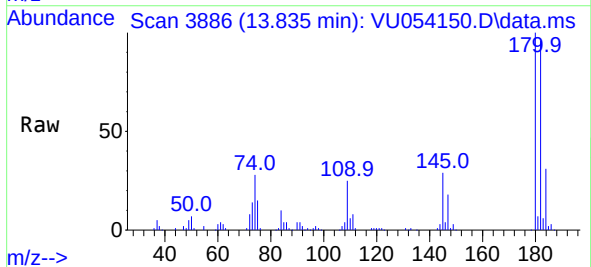
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
184	29.8	24.2	36.2
145	28.9	23.2	34.8

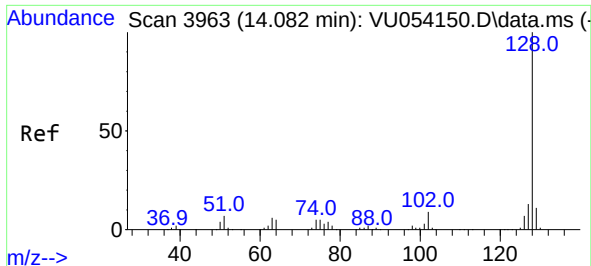


#70
1,2,4-trichlorobenzene
Concen: 48.224 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:180 Resp: 131732

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.2
145	28.9	23.8	35.8



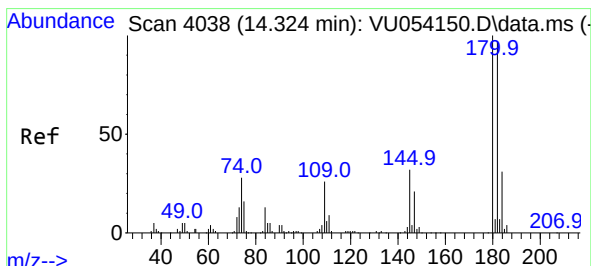
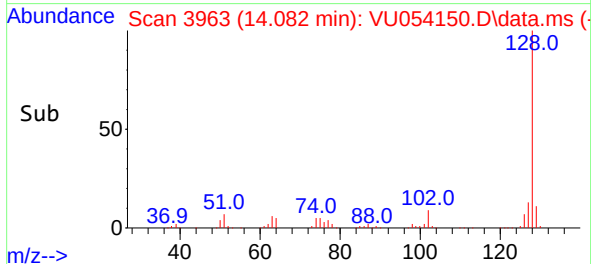
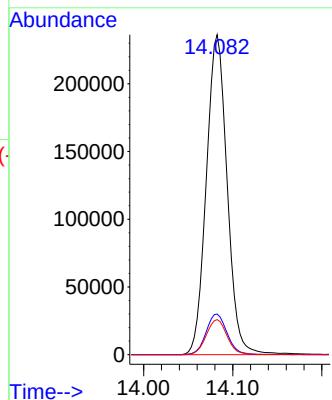
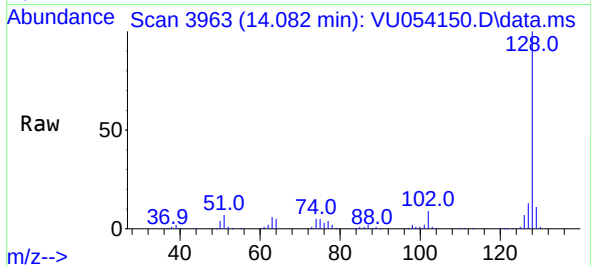


#71
Naphthalene
Concen: 48.419 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD050100

Tgt Ion:128 Resp: 383638

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	10.9	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 50.102 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054150.D
Acq: 11 May 2023 09:28

Tgt Ion:180 Resp: 136145

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	114.8
145	31.4	24.9	37.3

