

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051023\
 Data File : VU054136.D
 Acq On : 10 May 2023 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050098

Quant Time: May 11 05:11:40 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	6.243	114	236382	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225289	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	124916	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	56705	31.718	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.440%
7) Chloroethane-d5	1.906	69	42735	36.416	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.840%
11) 1,1-Dichloroethene-d2	2.565	63	120893	38.126	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.260%
21) 2-Butanone-d5	4.620	46	97016	95.148	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.150%
24) Chloroform-d	5.057	84	148964	45.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.740%
26) 1,2-Dichloroethane-d4	5.693	65	94652	44.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.800%
32) Benzene-d6	5.722	84	268482	40.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.980%
36) 1,2-Dichloropropane-d6	6.684	67	87682	41.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.760%
41) Toluene-d8	7.893	98	251637	42.031	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.060%
43) trans-1,3-Dichloroprop...	8.172	79	43956	42.428	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.860%
47) 2-Hexanone-d5	8.629	63	63476	84.655	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.650%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	130891	47.467	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.940%
66) 1,2-Dichlorobenzene-d4	12.188	152	110805	45.407	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	78379	45.957	ug/L	100
3) Chloromethane	1.517	50	73579	46.943	ug/L	98
5) Vinyl chloride	1.604	62	78981	47.375	ug/L	98
6) Bromomethane	1.854	94	40349	43.417	ug/L	100
8) Chloroethane	1.925	64	44391	48.864	ug/L	97
9) Trichlorofluoromethane	2.134	101	134254	50.747	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	80997	51.193	ug/L	99
12) 1,1-Dichloroethene	2.575	96	67683	49.362	ug/L	90
13) Acetone	2.629	43	67664	67.609	ug/L	95
14) Carbon disulfide	2.790	76	143712	47.223	ug/L	97
15) Methyl Acetate	2.944	43	76151	48.586	ug/L	100
16) Methylene chloride	3.041	84	82945	47.964	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	70570	50.333	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	253281	49.138	ug/L	98
19) 1,1-Dichloroethane	3.861	63	147212	48.902	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	85471	49.607	ug/L	98
22) 2-Butanone	4.700	43	104401	88.357	ug/L	96
23) Bromochloromethane	4.970	128	46775	52.365	ug/L	92
25) Chloroform	5.083	83	160305	50.463	ug/L	99

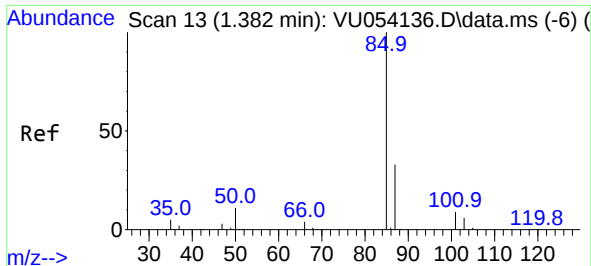
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051023\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	121720	49.815	ug/L	99
29) Cyclohexane	5.382	56	105510	45.315	ug/L	100
30) 1,1,1-Trichloroethane	5.308	97	138242	49.230	ug/L	99
31) Carbon tetrachloride	5.520	117	119665	49.951	ug/L	100
33) Benzene	5.767	78	314307	47.931	ug/L	100
34) Trichloroethene	6.536	95	85363	49.047	ug/L	98
35) Methylcyclohexane	6.758	83	110882	45.426	ug/L	99
37) 1,2-Dichloropropane	6.783	63	88187	47.535	ug/L	99
38) Bromodichloromethane	7.102	83	116063	49.656	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	131762	45.401	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	206966	95.729	ug/L	99
42) Toluene	7.963	91	340334	49.854	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	128097	46.443	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	89142	49.642	ug/L	95
46) Tetrachloroethene	8.549	164	66805	48.383	ug/L	99
48) 2-Hexanone	8.680	43	155146	90.549	ug/L	100
49) Dibromochloromethane	8.803	129	90778	51.302	ug/L	99
50) 1,2-Dibromoethane	8.918	107	92796	50.913	ug/L	99
51) Chlorobenzene	9.443	112	228727	50.094	ug/L	99
52) Ethylbenzene	9.565	91	381318	49.630	ug/L	100
53) m,p-Xylene	9.690	106	145483	50.426	ug/L	98
54) o-Xylene	10.095	106	146659	51.960	ug/L	94
55) Styrene	10.108	104	251165	51.880	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	141619	50.065	ug/L	99
59) Bromoform	10.285	173	70749	50.589	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	110171	47.482	ug/L	100
61) Isopropylbenzene	10.478	105	389836	49.439	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	322225	49.868	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	318461	50.003	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	190196	49.318	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	195657	49.816	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	193204	49.639	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.989	75	28030	47.352	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	138633	49.608	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	123996	48.943	ug/L	97
71) Naphthalene	14.079	128	349024	47.497	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	125177	49.670	ug/L	99

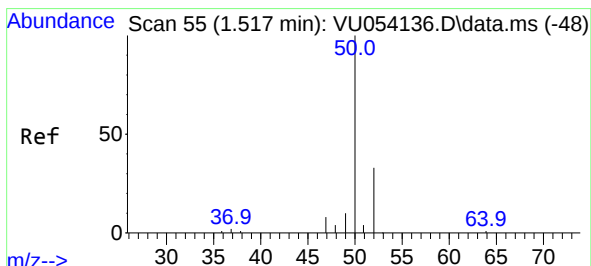
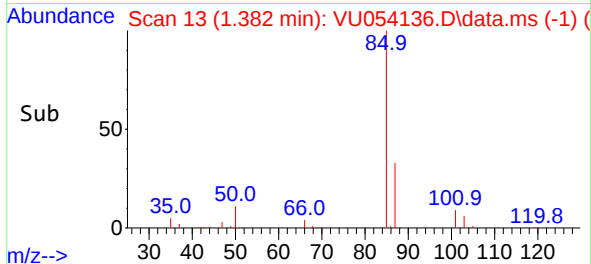
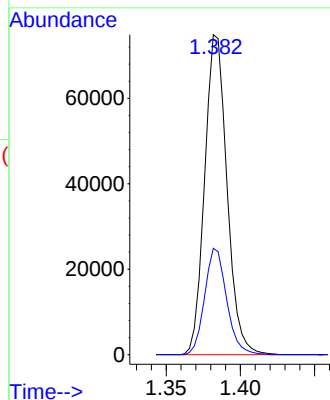
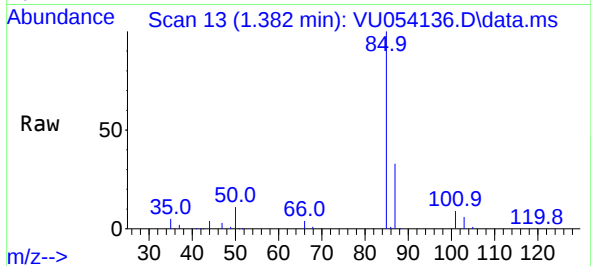
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#2
Dichlorodifluoromethane
Concen: 45.957 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

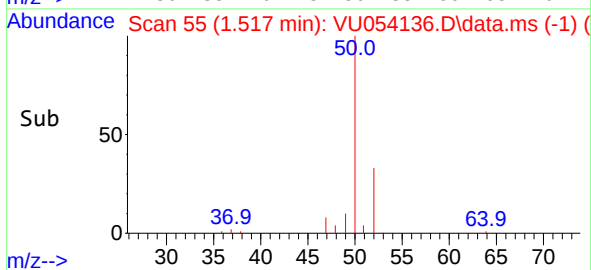
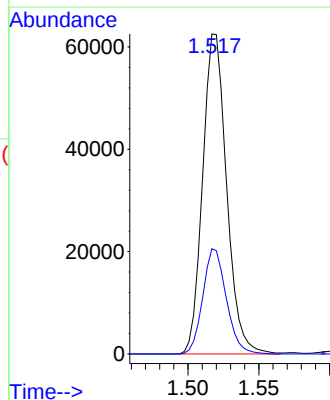
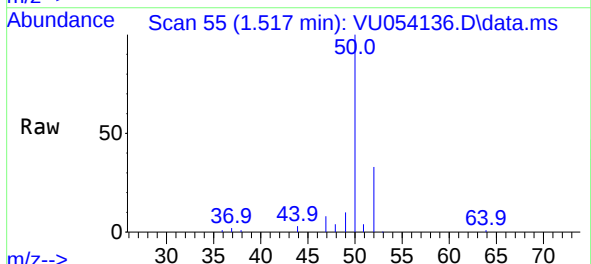
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

Tgt Ion: 85 Resp: 78379
Ion Ratio Lower Upper
85 100
87 32.7 26.0 39.0

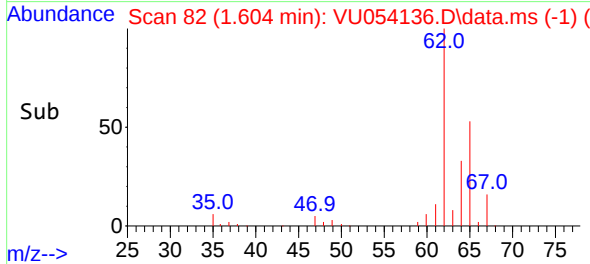
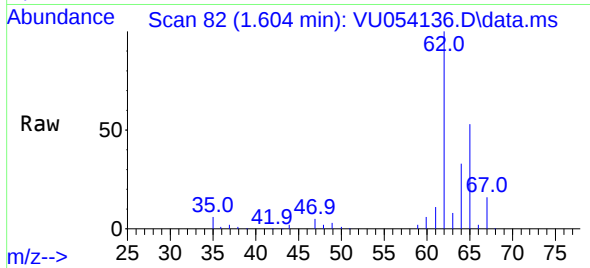
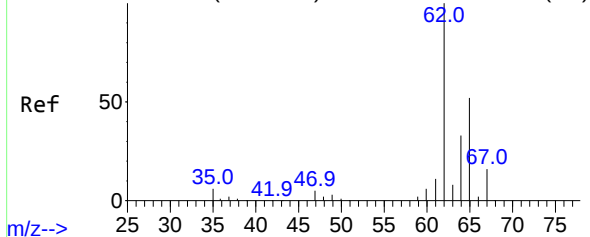


#3
Chloromethane
Concen: 46.943 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 50 Resp: 73579
Ion Ratio Lower Upper
50 100
52 32.9 22.4 41.6



Abundance Scan 82 (1.604 min): VU054136.D\data.ms (-73)



#5

Vinyl chloride

Concen: 47.375 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

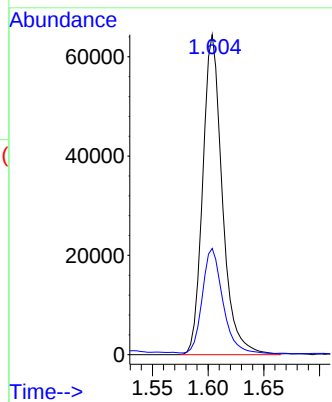
VSTD050098

Tgt Ion: 62 Resp: 78981

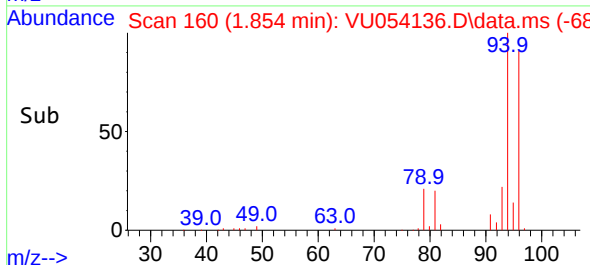
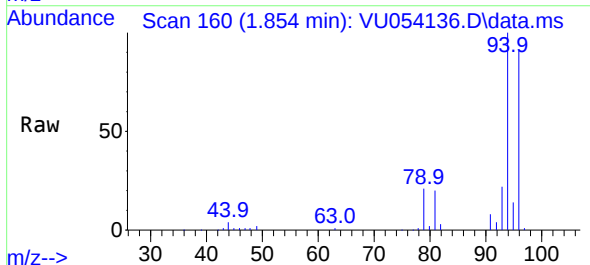
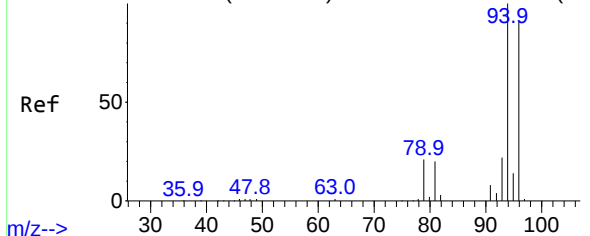
Ion Ratio Lower Upper

62 100

64 33.2 24.1 44.7



Abundance Scan 160 (1.854 min): VU054136.D\data.ms (-15)



#6

Bromomethane

Concen: 43.417 ug/L

RT: 1.854 min Scan# 160

Delta R.T. -0.003 min

Lab File: VU054136.D

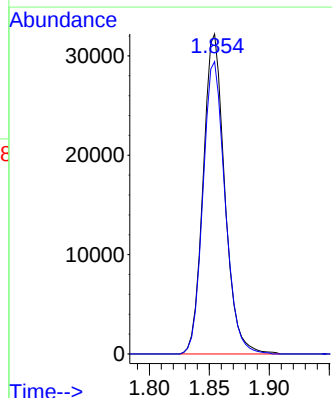
Acq: 10 May 2023 10:24

Tgt Ion: 94 Resp: 40349

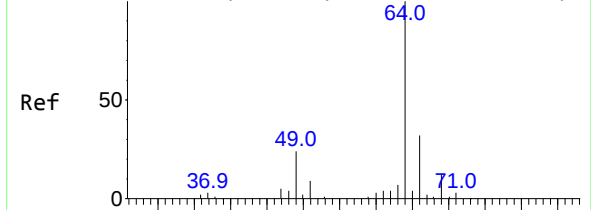
Ion Ratio Lower Upper

94 100

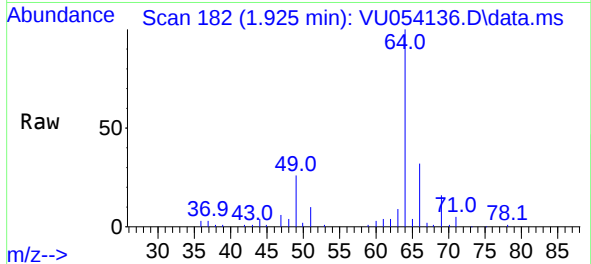
96 91.4 63.9 118.7



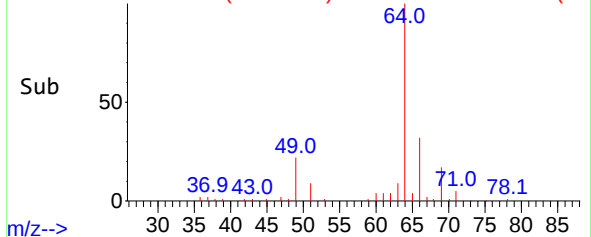
Abundance Scan 182 (1.925 min): VU054136.D\data.ms (-17



m/z-->



m/z-->



m/z-->

#8

Chloroethane

Concen: 48.864 ug/L

RT: 1.925 min Scan# 182

Delta R.T. -0.006 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

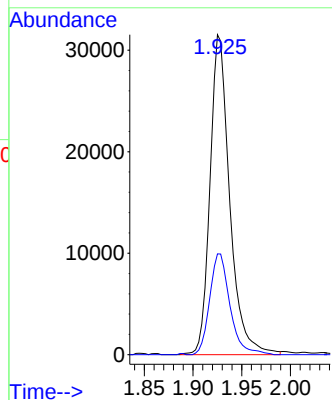
VSTD050098

Tgt Ion: 64 Resp: 44391

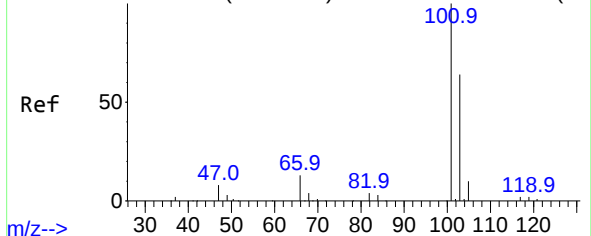
Ion Ratio Lower Upper

64 100

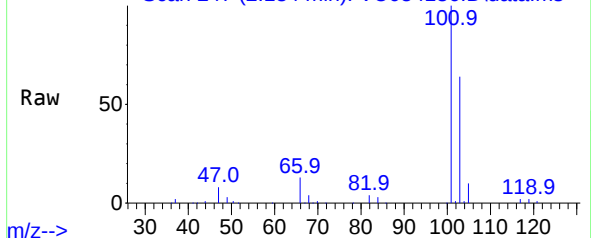
66 31.5 23.1 42.9



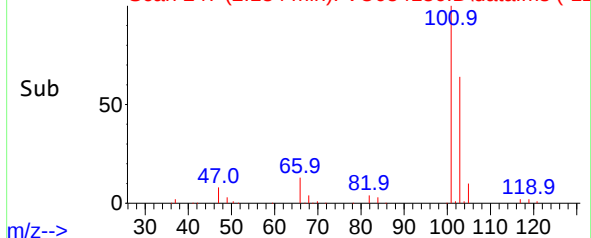
Abundance Scan 247 (2.134 min): VU054136.D\data.ms (-23



m/z-->



m/z-->



m/z-->

#9

Trichlorofluoromethane

Concen: 50.747 ug/L

RT: 2.134 min Scan# 247

Delta R.T. -0.003 min

Lab File: VU054136.D

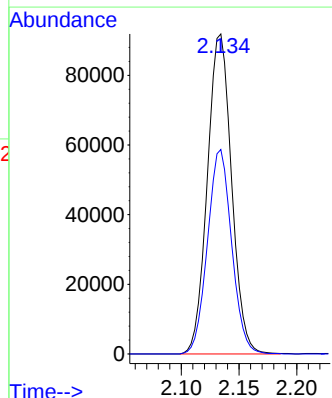
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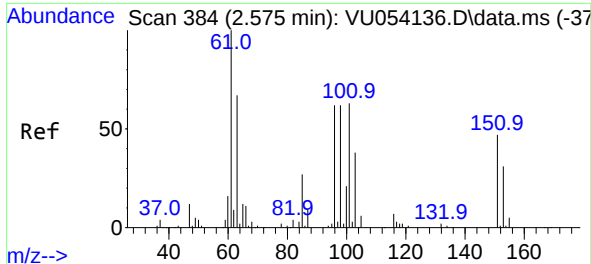
Tgt Ion:101 Resp: 134254

Ion Ratio Lower Upper

101 100

103 63.7 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.193 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050098

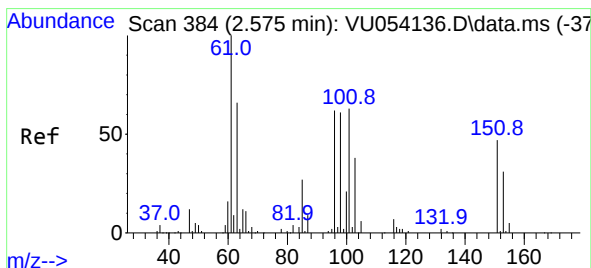
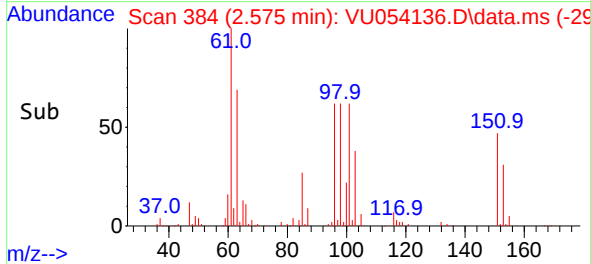
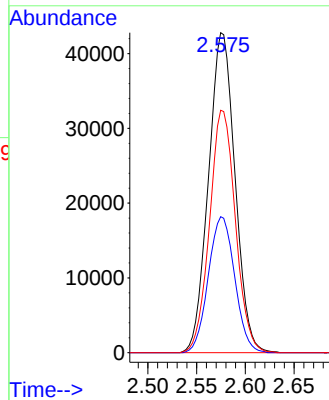
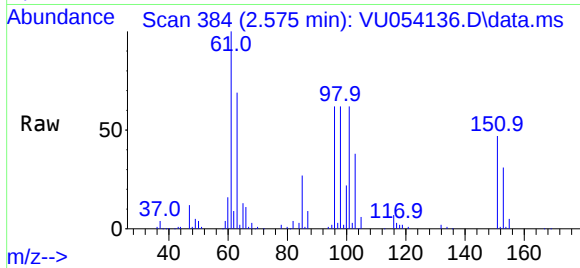
Tgt Ion:101 Resp: 80997

Ion Ratio Lower Upper

101 100

85 42.2 34.3 51.5

151 74.0 60.3 90.5



#12

1,1-Dichloroethene

Concen: 49.362 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

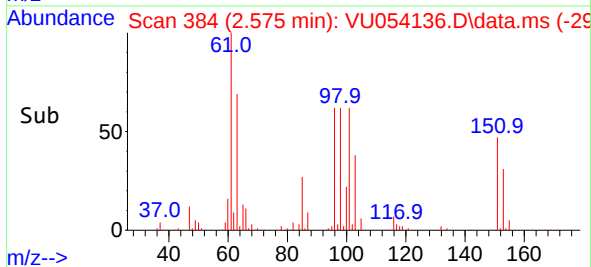
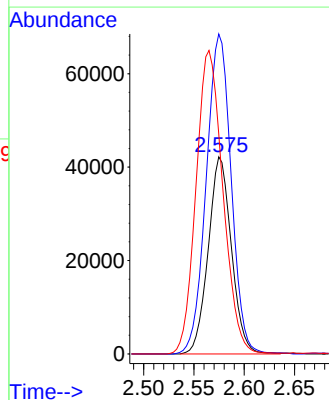
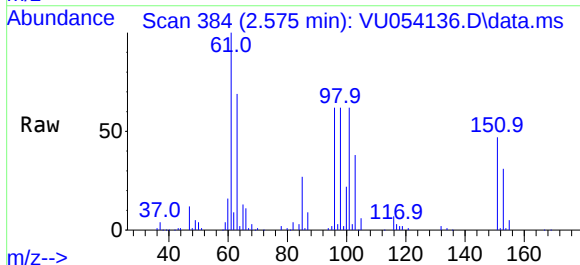
Tgt Ion: 96 Resp: 67683

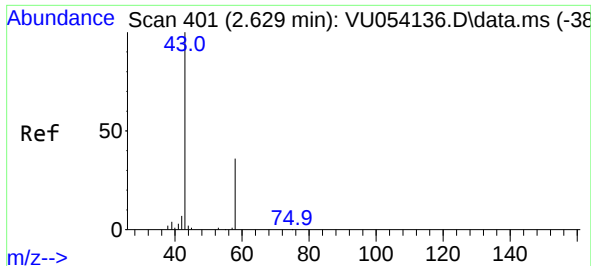
Ion Ratio Lower Upper

96 100

61 162.3 118.3 219.7

63 111.6 92.3 171.5





#13

Acetone

Concen: 67.609 ug/L

RT: 2.629 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

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ClientSampleId :

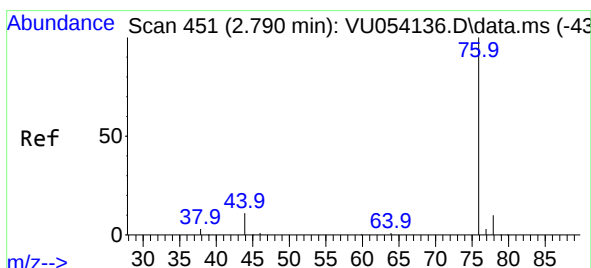
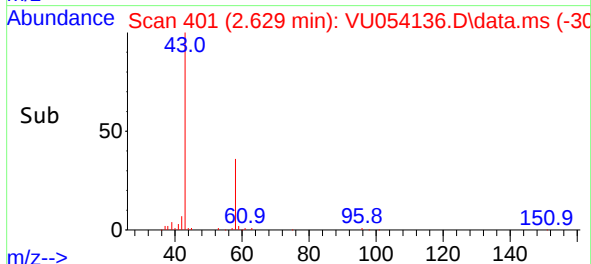
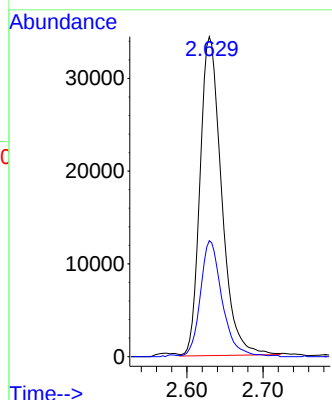
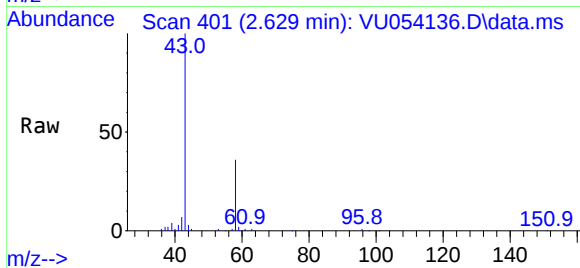
VSTD050098

Tgt Ion: 43 Resp: 67664

Ion Ratio Lower Upper

43 100

58 36.5 0.0 67.4



#14

Carbon disulfide

Concen: 47.223 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.000 min

Lab File: VU054136.D

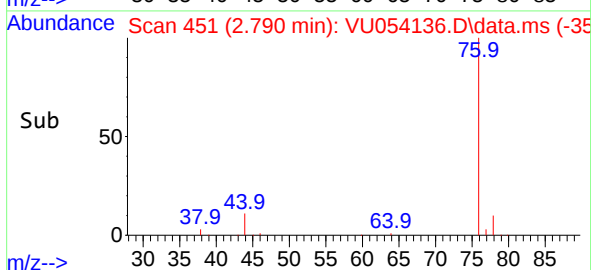
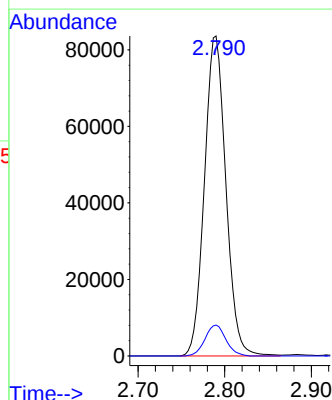
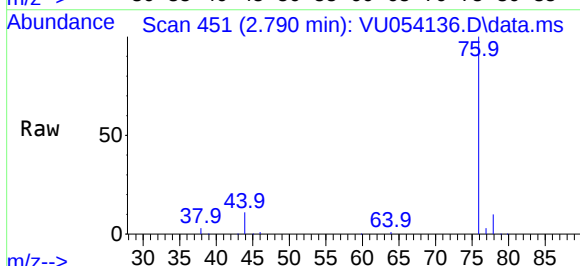
Acq: 10 May 2023 10:24

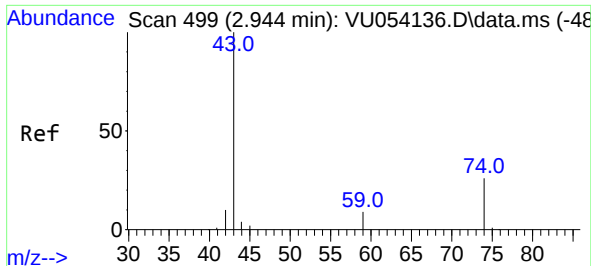
Tgt Ion: 76 Resp: 143712

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4

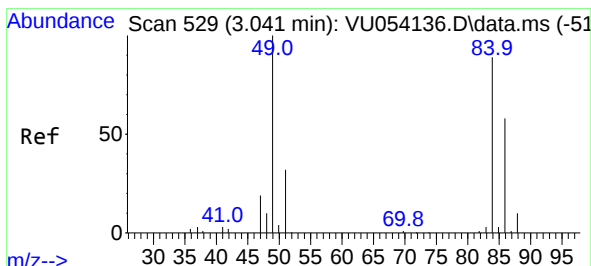
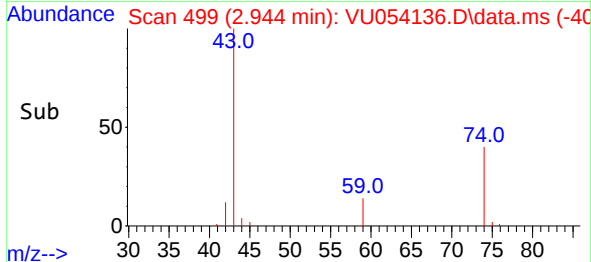
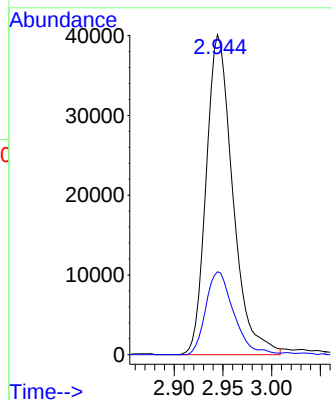
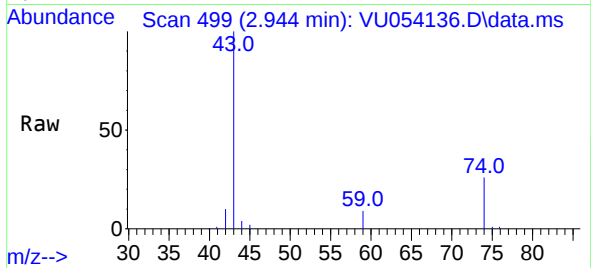




#15
Methyl Acetate
Concen: 48.586 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

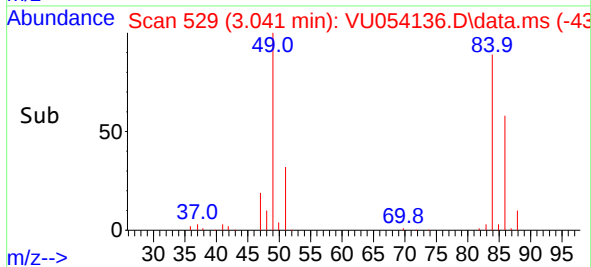
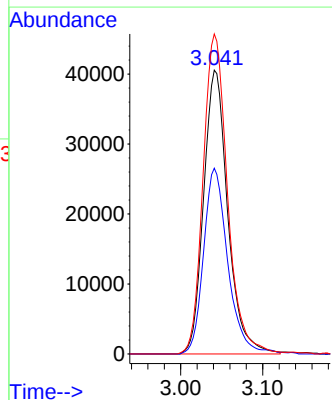
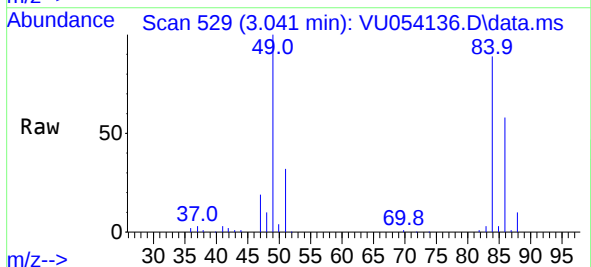
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

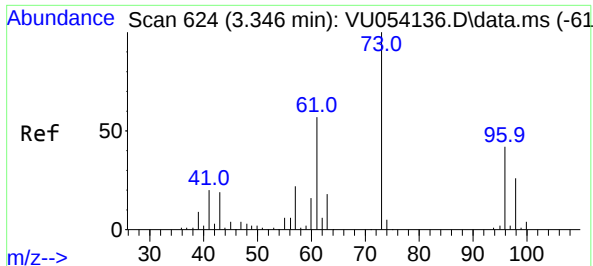
Tgt Ion: 43 Resp: 76151
Ion Ratio Lower Upper
43 100
74 26.5 21.2 31.8



#16
Methylene chloride
Concen: 47.964 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 84 Resp: 82945
Ion Ratio Lower Upper
84 100
86 65.4 45.8 85.2
49 112.7 83.0 154.2

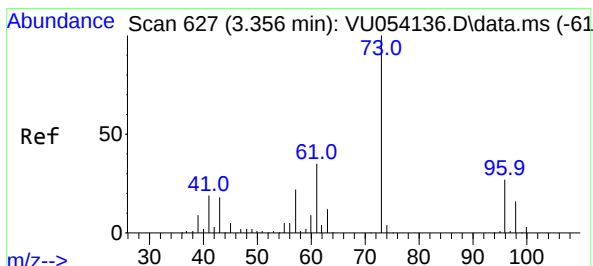
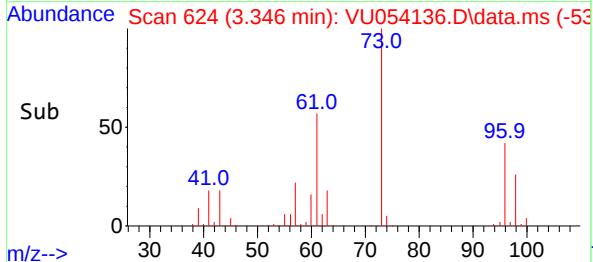
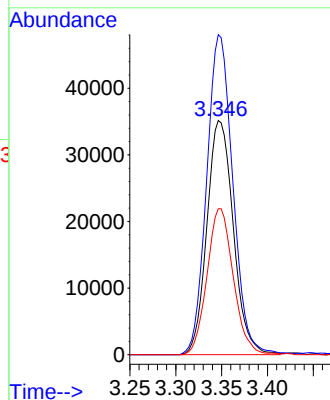
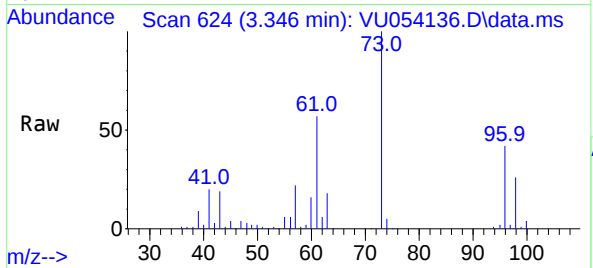




#17
trans-1,2-Dichloroethene
Concen: 50.333 ug/L
RT: 3.346 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

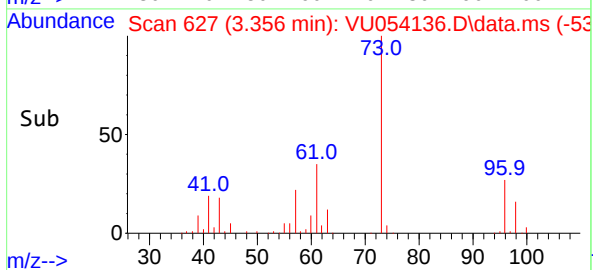
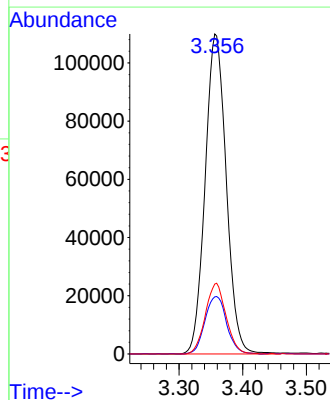
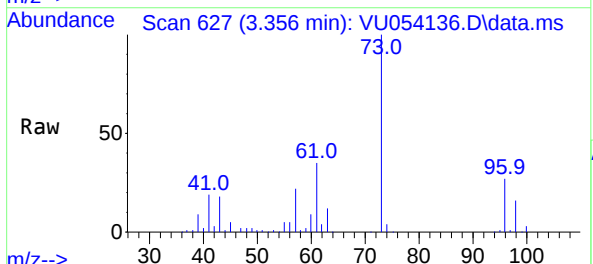
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

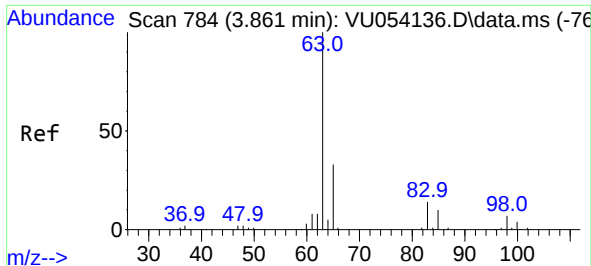
Tgt Ion: 96 Resp: 70570
Ion Ratio Lower Upper
96 100
61 136.6 97.5 181.1
98 62.3 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 49.138 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 73 Resp: 253281
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.0
57 21.7 18.0 27.0

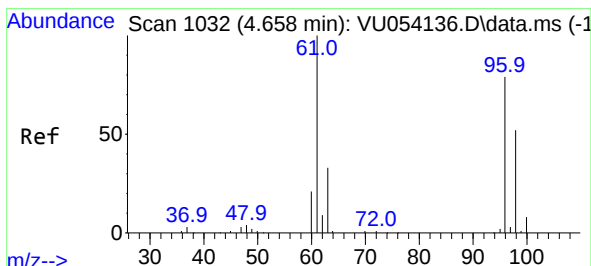
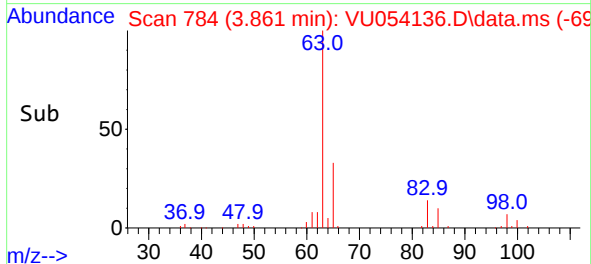
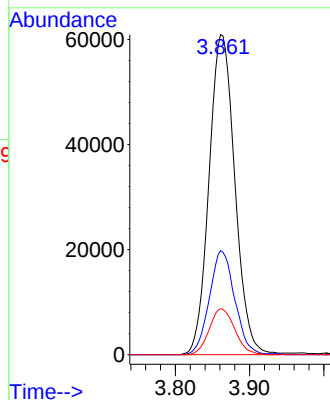
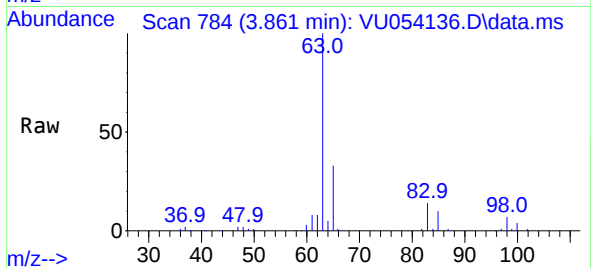




#19
1,1-Dichloroethane
Concen: 48.902 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

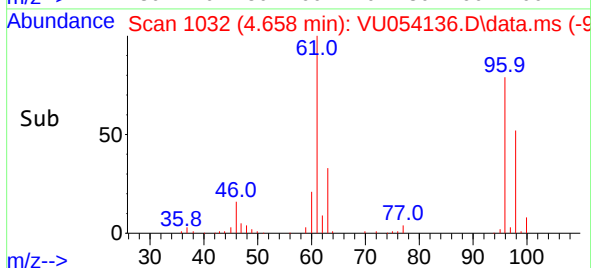
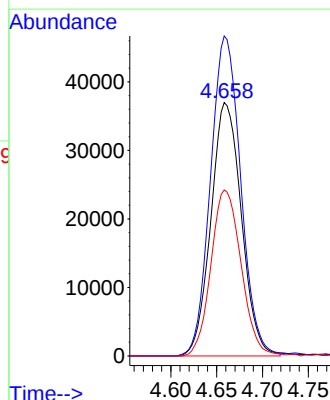
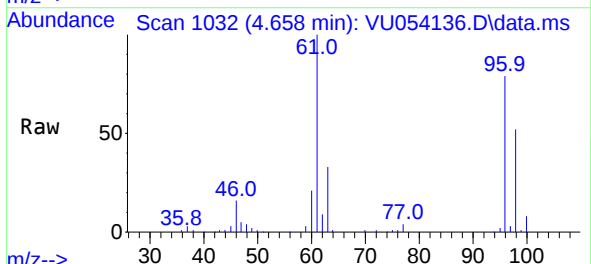
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

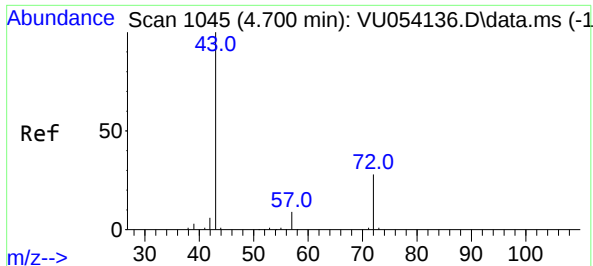
Tgt Ion: 63 Resp: 147212
Ion Ratio Lower Upper
63 100
65 32.5 22.0 40.8
83 14.3 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 49.607 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 96 Resp: 85471
Ion Ratio Lower Upper
96 100
61 126.3 90.9 168.9
98 65.5 45.7 84.9

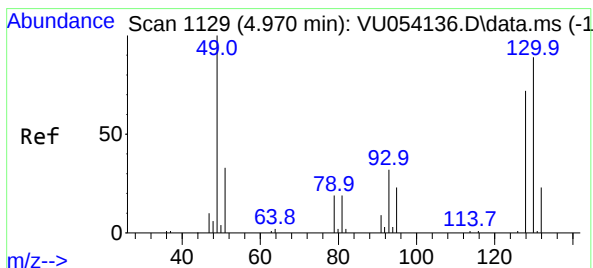
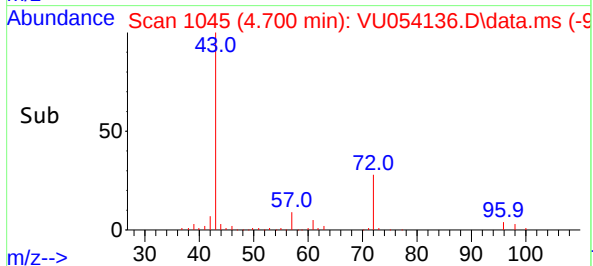
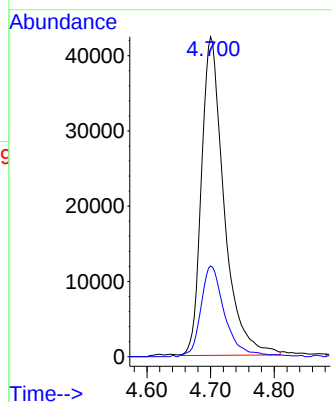
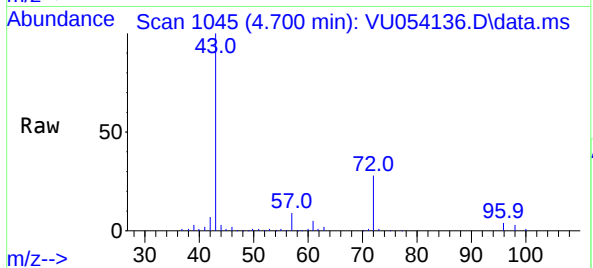




#22
2-Butanone
Concen: 88.357 ug/L
RT: 4.700 min Scan# 1045
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

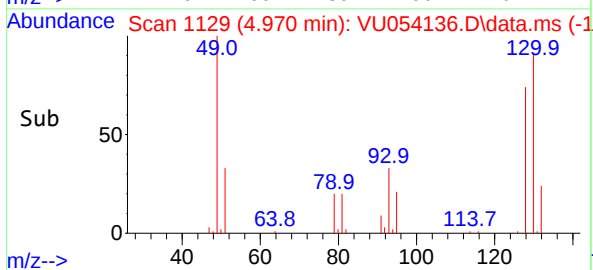
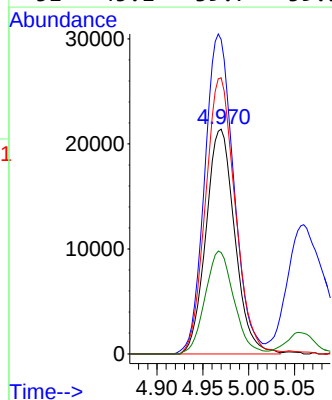
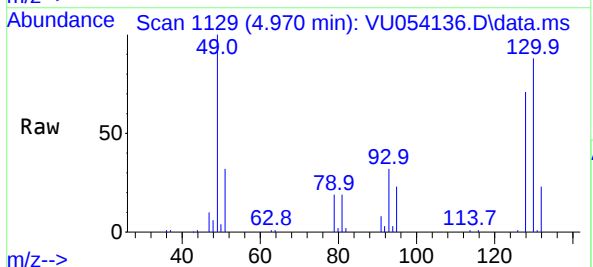
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

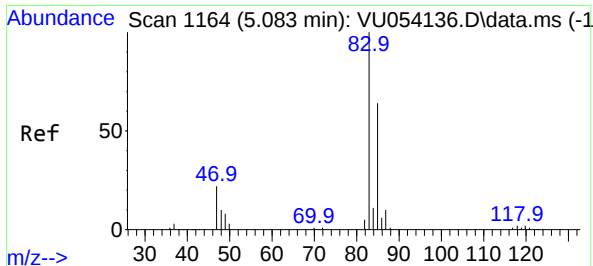
Tgt Ion: 43 Resp: 104401
Ion Ratio Lower Upper
43 100
72 30.0 14.0 41.9



#23
Bromochloromethane
Concen: 52.365 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 128 Resp: 46775
Ion Ratio Lower Upper
128 100
49 139.9 107.5 199.7
130 122.9 91.0 169.0
51 45.1 39.7 59.5





#25

Chloroform

Concen: 50.463 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

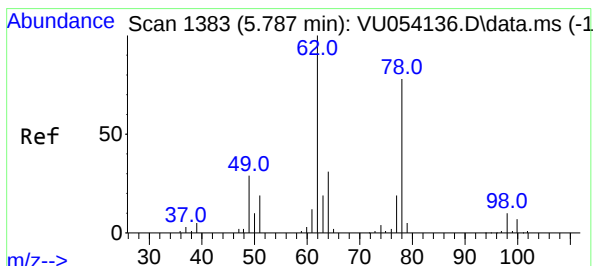
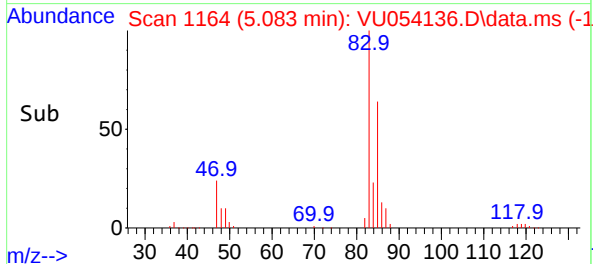
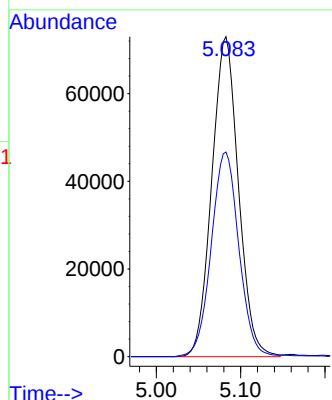
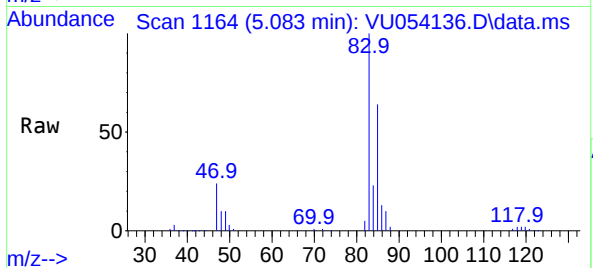
VSTD050098

Tgt Ion: 83 Resp: 160305

Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 49.815 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054136.D

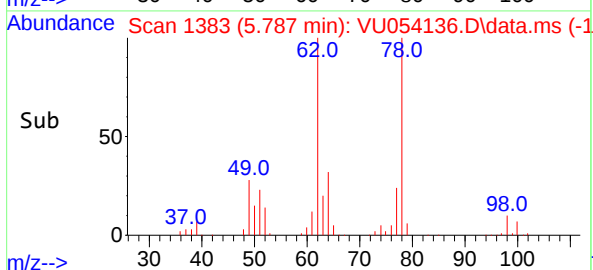
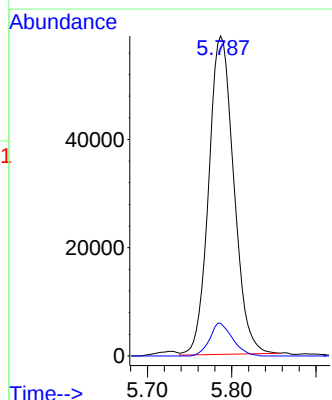
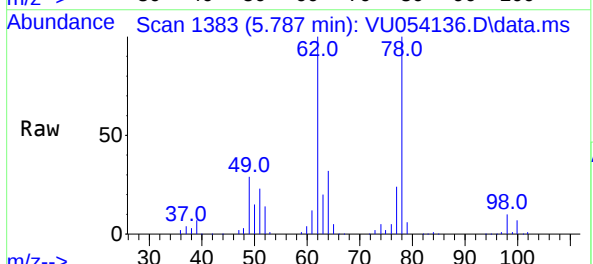
Acq: 10 May 2023 10:24

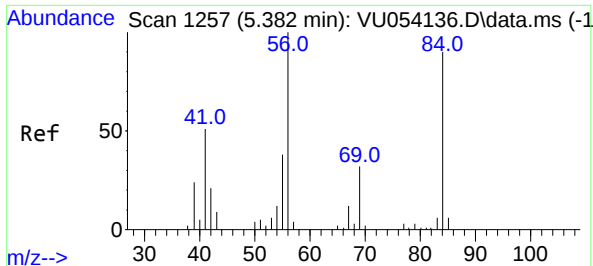
Tgt Ion: 62 Resp: 121720

Ion Ratio Lower Upper

62 100

98 10.2 8.0 12.0





#29

Cyclohexane

Concen: 45.315 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050098

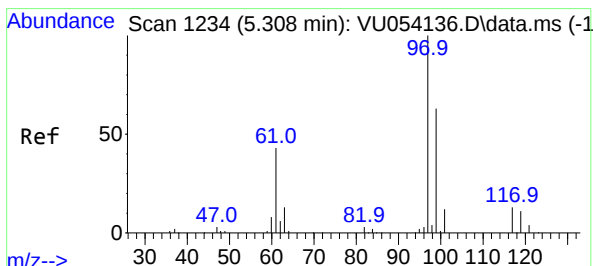
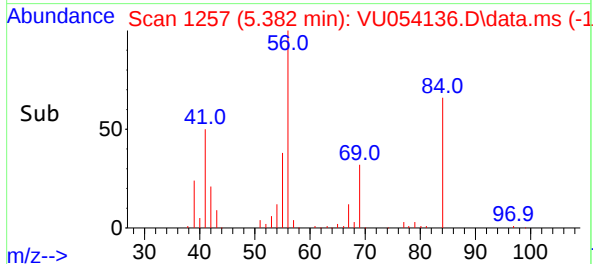
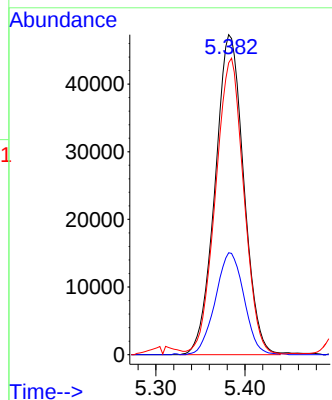
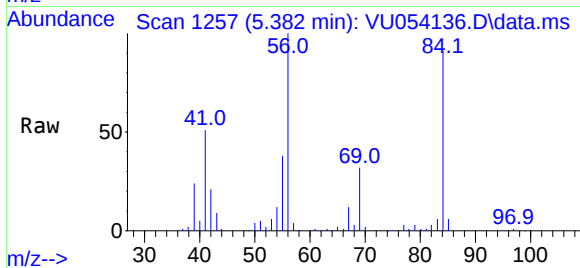
Tgt Ion: 56 Resp: 105510

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.6

84 91.8 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 49.230 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

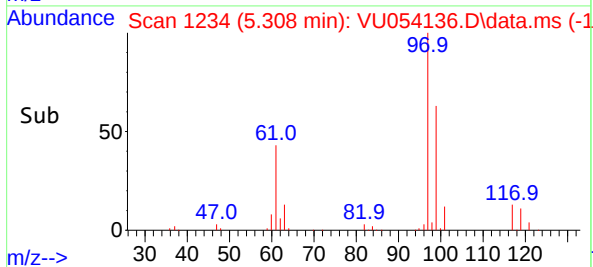
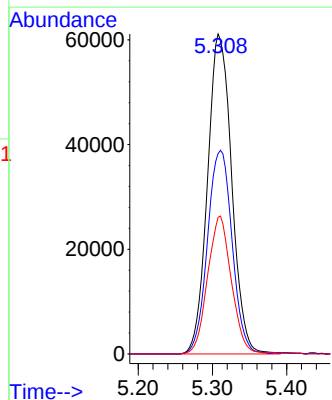
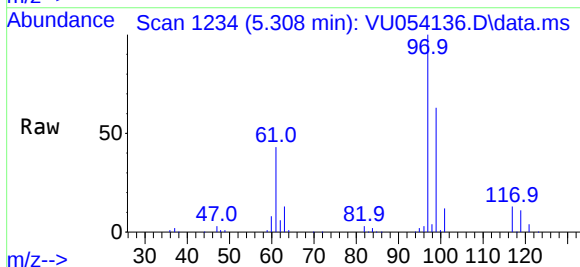
Tgt Ion: 97 Resp: 138242

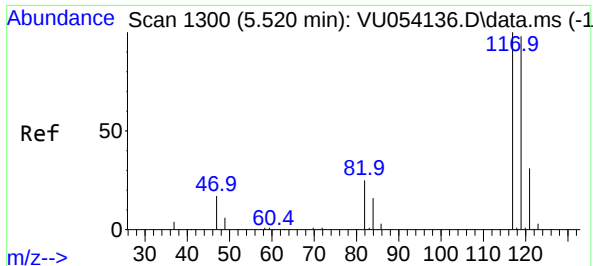
Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

61 42.2 34.2 51.4

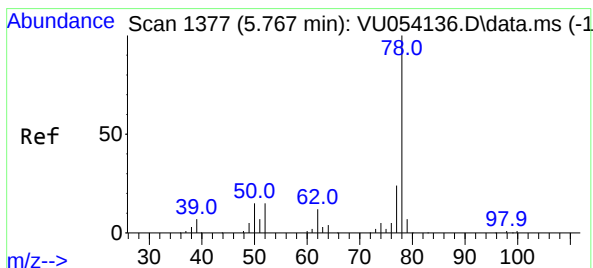
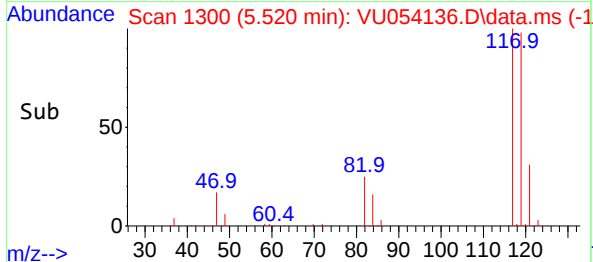
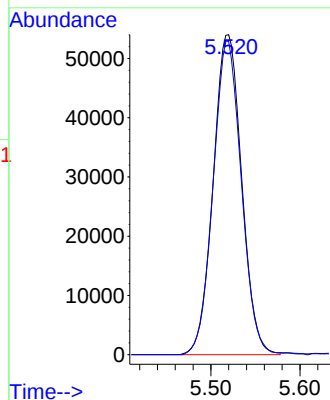
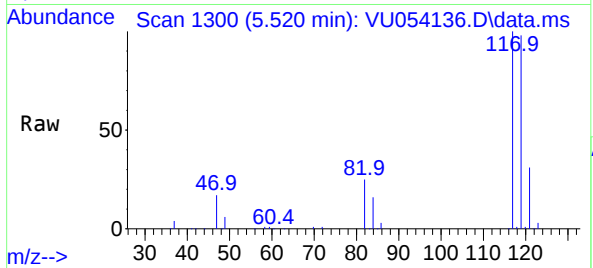




#31
Carbon tetrachloride
Concen: 49.951 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

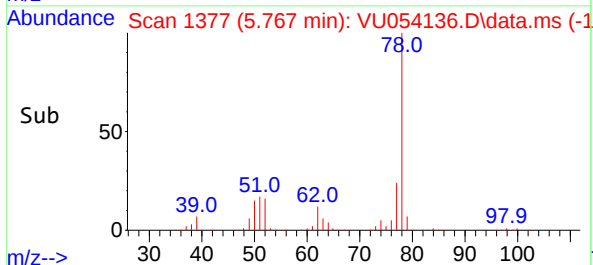
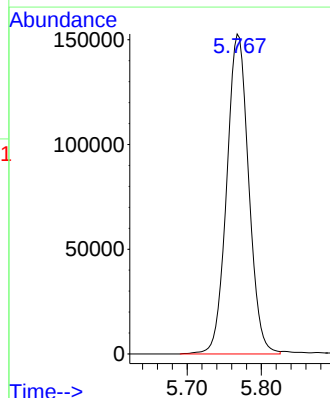
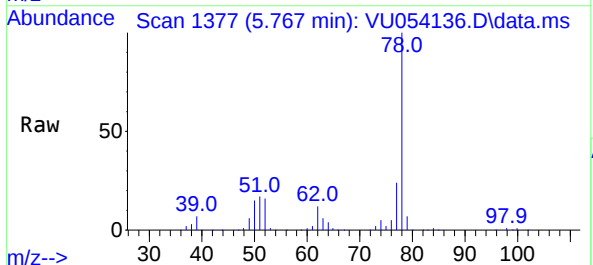
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

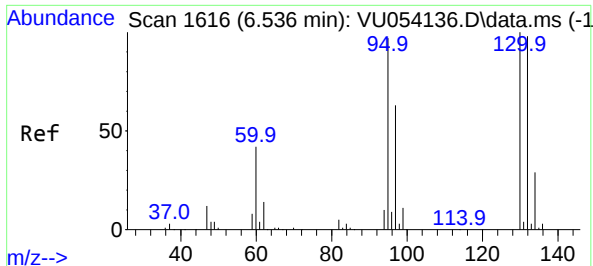
Tgt Ion:117 Resp: 119665
Ion Ratio Lower Upper
117 100
119 97.4 77.8 116.6



#33
Benzene
Concen: 47.931 ug/L
RT: 5.767 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 78 Resp: 314307

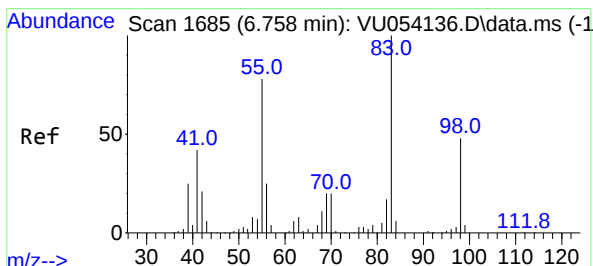
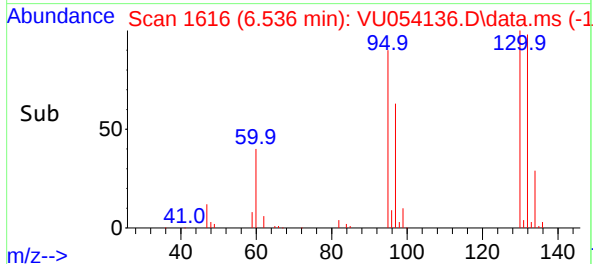
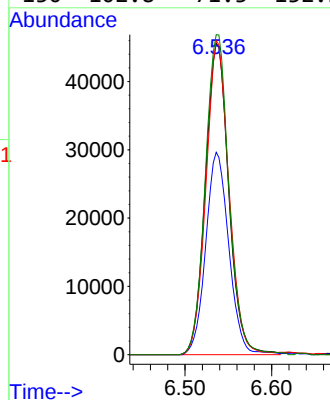
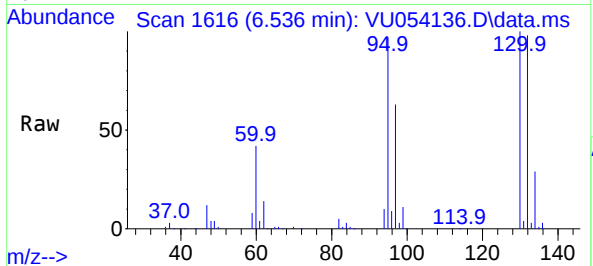




#34
Trichloroethene
Concen: 49.047 ug/L
RT: 6.536 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

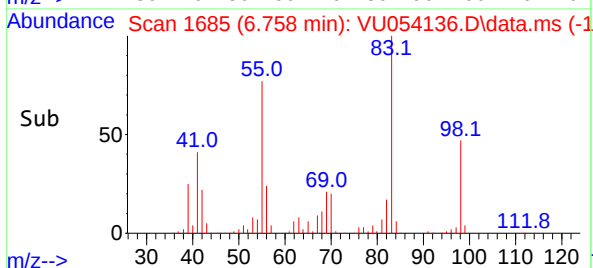
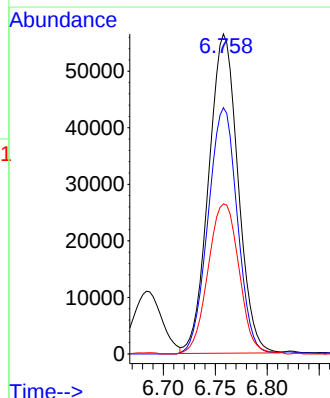
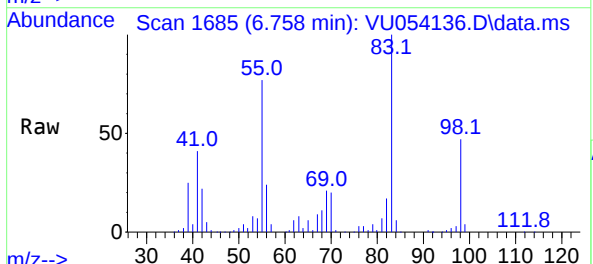
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

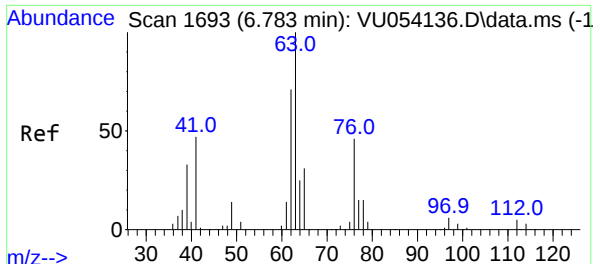
Tgt Ion: 95 Resp: 85363
Ion Ratio Lower Upper
95 100
97 65.0 46.5 86.3
132 100.8 67.8 126.0
130 102.8 71.3 132.3



#35
Methylcyclohexane
Concen: 45.426 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 83 Resp: 110882
Ion Ratio Lower Upper
83 100
55 77.0 61.8 92.6
98 49.6 38.4 57.6

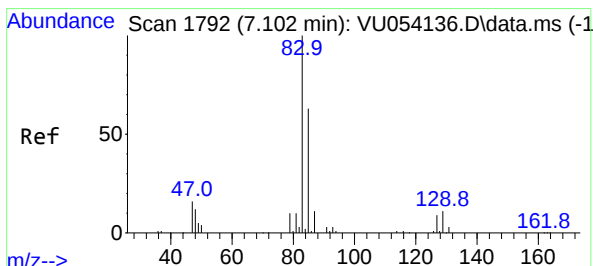
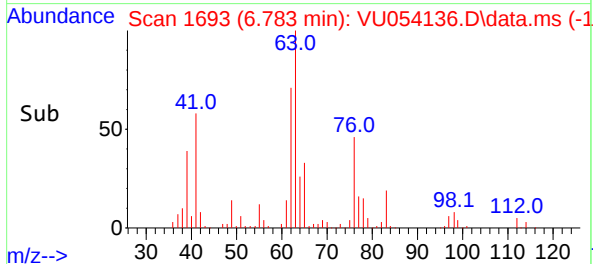
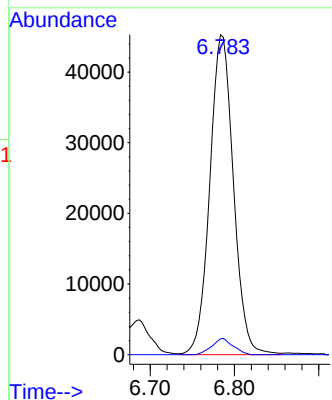
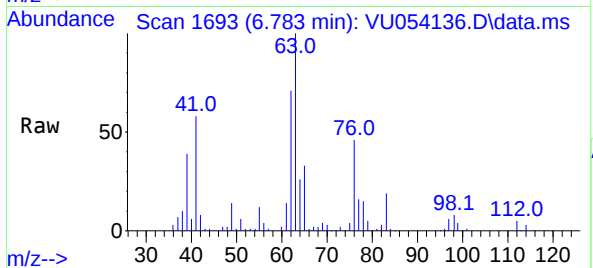




#37
1,2-Dichloropropane
Concen: 47.535 ug/L
RT: 6.783 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

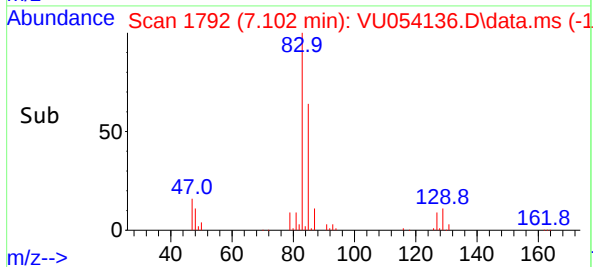
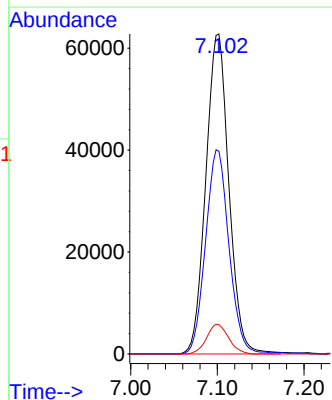
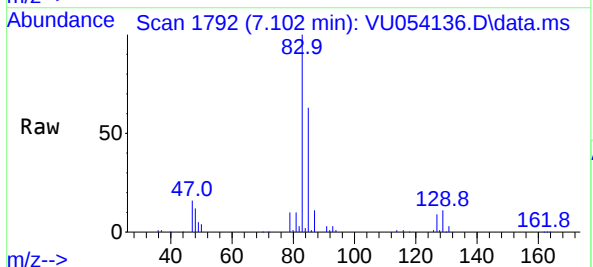
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

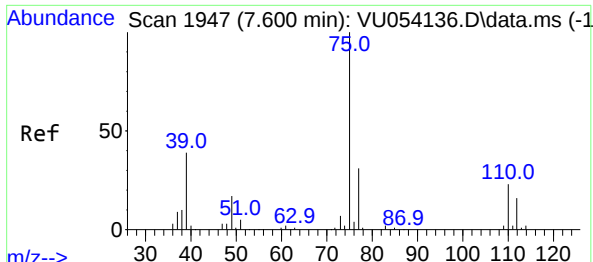
Tgt Ion: 63 Resp: 88187
Ion Ratio Lower Upper
63 100
112 4.5 3.4 5.0



#38
Bromodichloromethane
Concen: 49.656 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 83 Resp: 116063
Ion Ratio Lower Upper
83 100
85 63.4 45.0 83.6
127 9.2 7.1 10.7

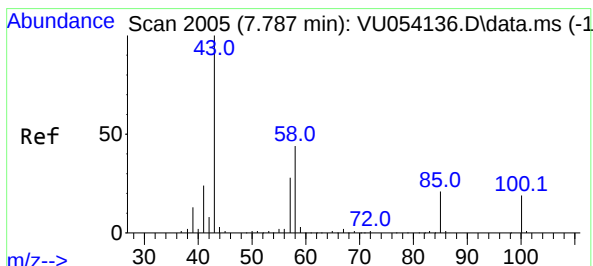
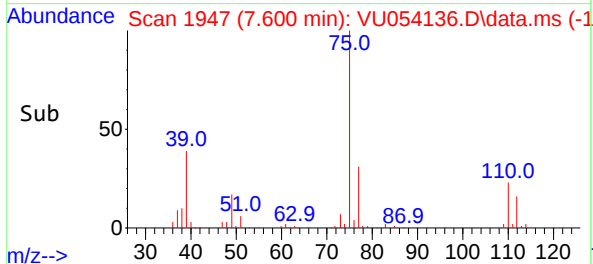
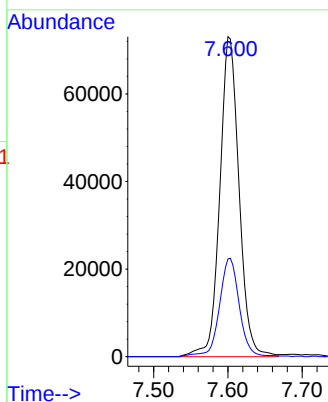
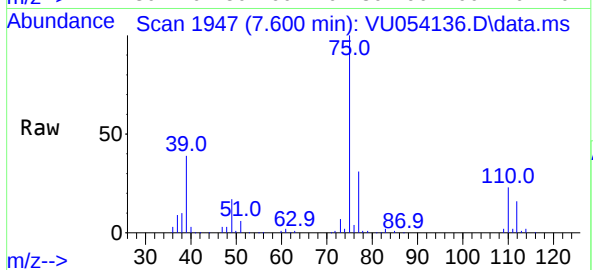




#39
 cis-1,3-Dichloropropene
 Concen: 45.401 ug/L
 RT: 7.600 min Scan# 1947
 Delta R.T. -0.003 min
 Lab File: VU054136.D
 Acq: 10 May 2023 10:24

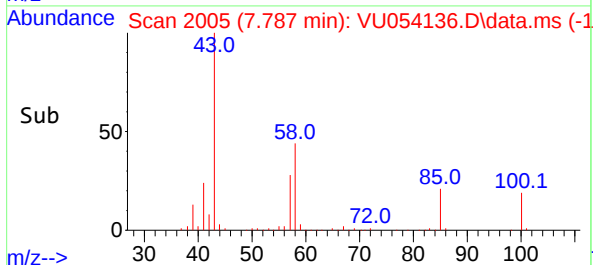
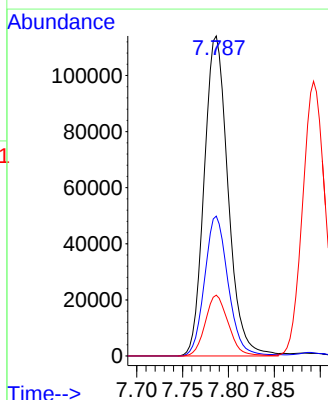
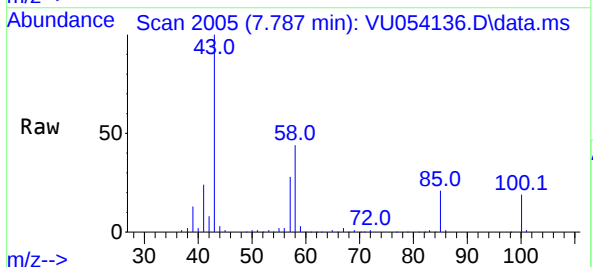
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050098

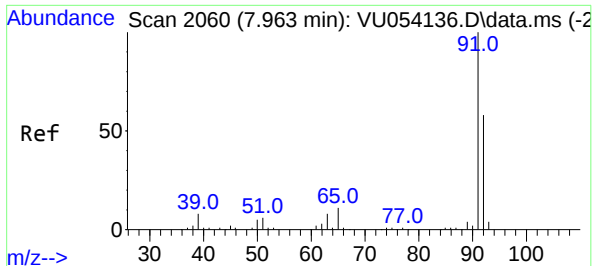
Tgt Ion: 75 Resp: 131762
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 95.729 ug/L
 RT: 7.787 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VU054136.D
 Acq: 10 May 2023 10:24

Tgt Ion: 43 Resp: 206966
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.5 51.7
 100 18.3 13.8 20.6





#42

Toluene

Concen: 49.854 ug/L

RT: 7.963 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

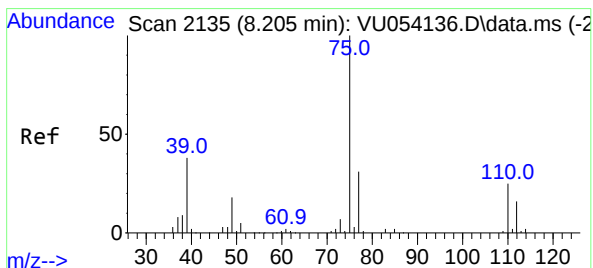
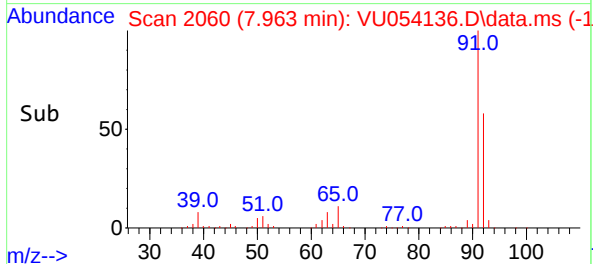
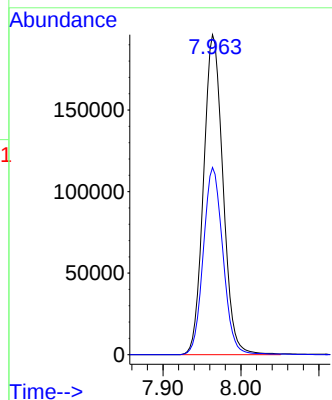
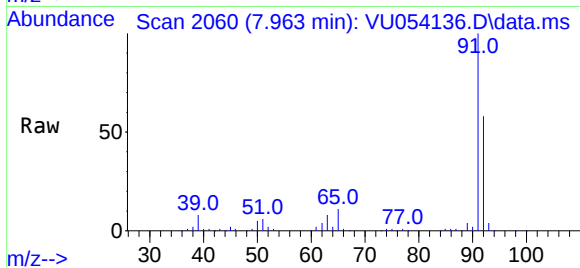
VSTD050098

Tgt Ion: 91 Resp: 340334

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 46.443 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VU054136.D

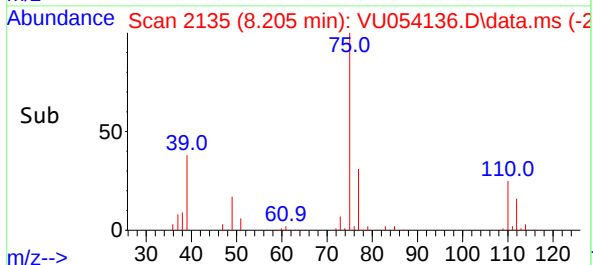
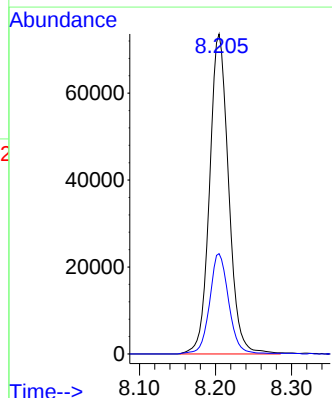
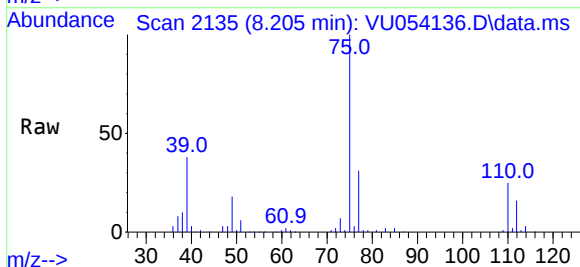
Acq: 10 May 2023 10:24

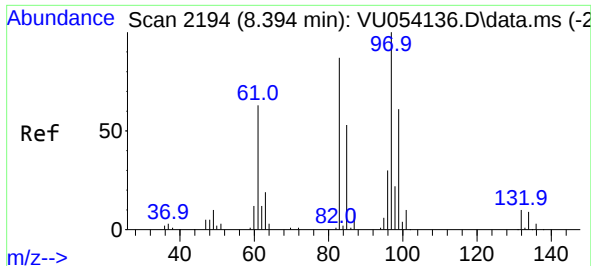
Tgt Ion: 75 Resp: 128097

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7



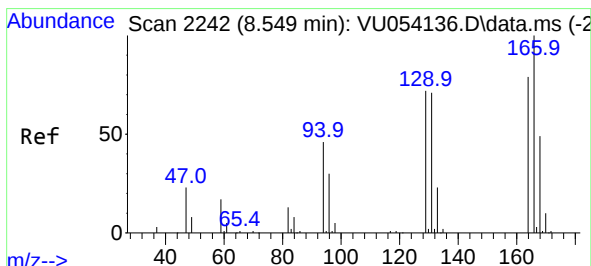
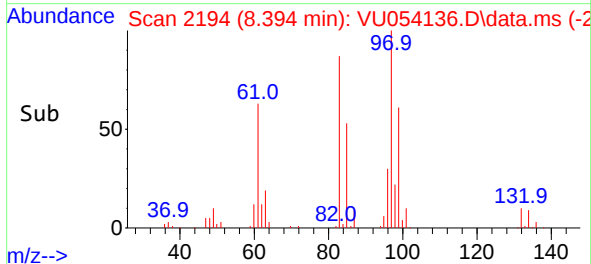
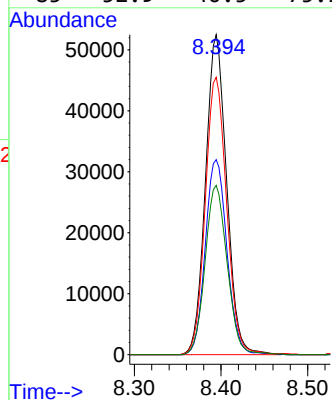
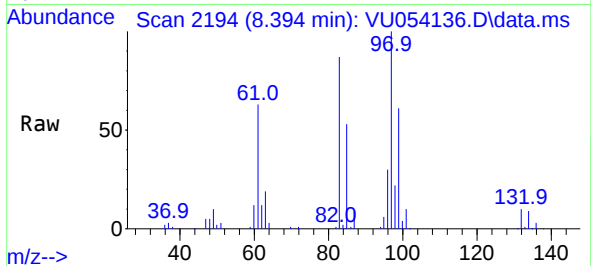


#45
1,1,2-Trichloroethane
Concen: 49.642 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

Tgt Ion: 97 Resp: 89142

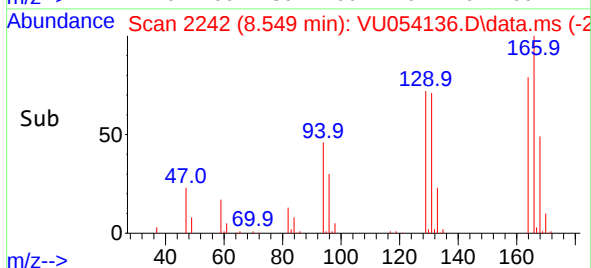
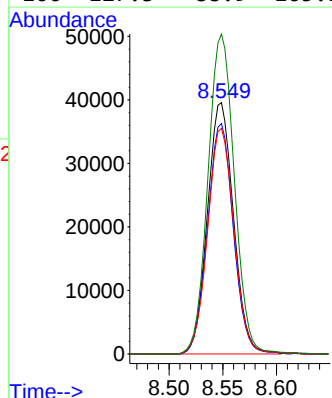
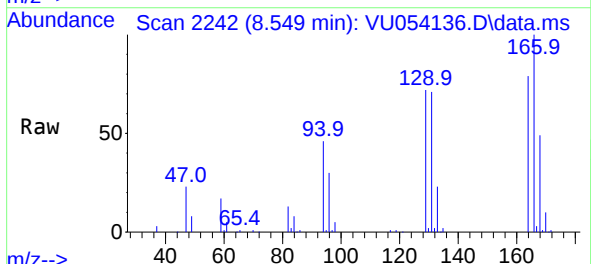
Ion	Ratio	Lower	Upper
97	100		
99	60.9	46.2	85.8
83	86.7	62.7	116.5
85	52.9	40.5	75.1

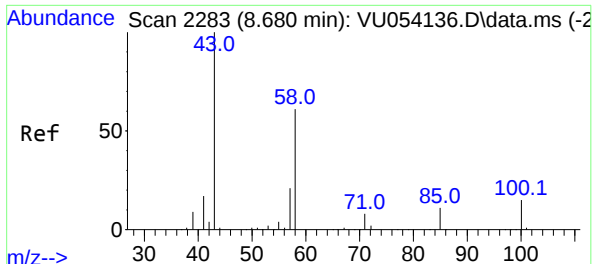


#46
Tetrachloroethene
Concen: 48.383 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 164 Resp: 66805

Ion	Ratio	Lower	Upper
164	100		
129	91.6	65.6	121.8
131	89.8	63.8	118.4
166	127.3	88.9	165.1



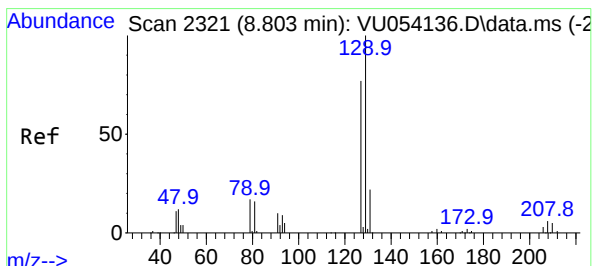
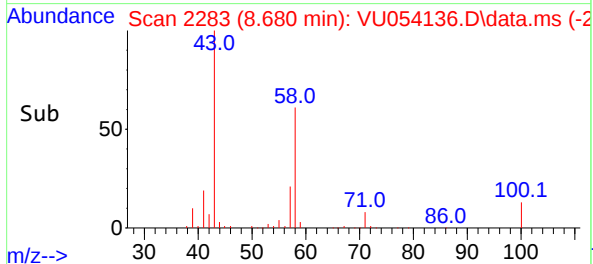
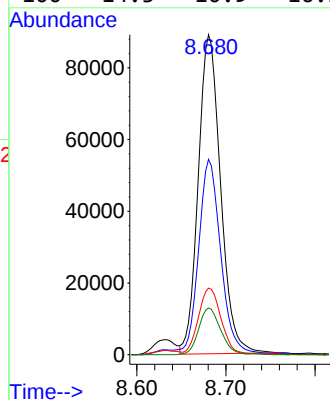
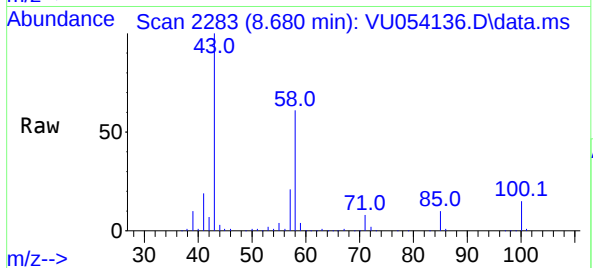


#48
2-Hexanone
Concen: 90.549 ug/L
RT: 8.680 min Scan# 2283
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

Tgt Ion: 43 Resp: 155146

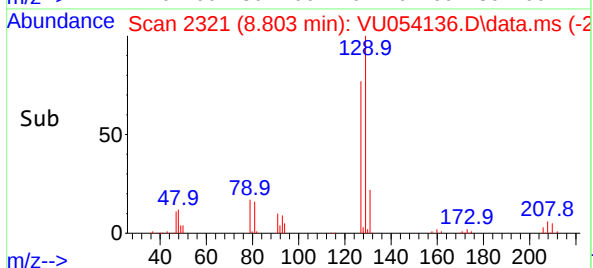
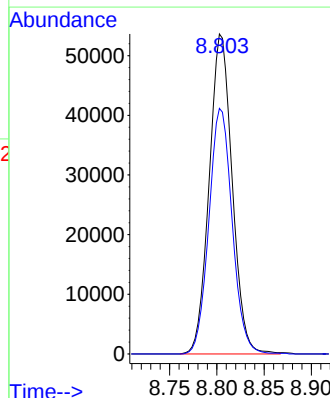
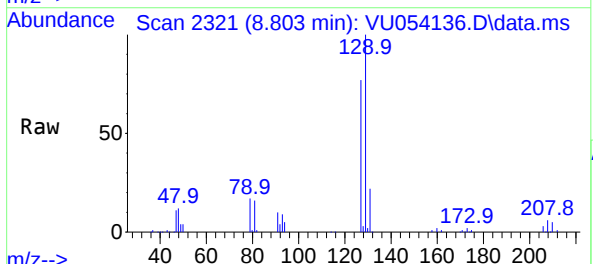
Ion	Ratio	Lower	Upper
43	100		
58	60.6	48.5	72.7
57	20.7	16.5	24.7
100	14.3	10.9	16.3

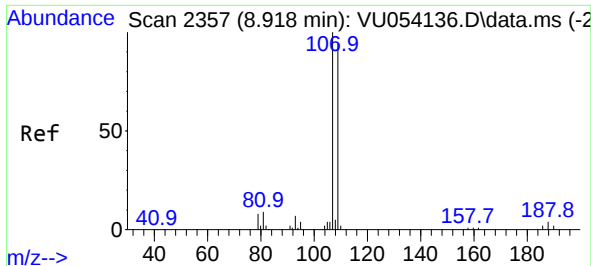


#49
Dibromochloromethane
Concen: 51.302 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 129 Resp: 90778

Ion	Ratio	Lower	Upper
129	100		
127	76.8	52.9	98.3

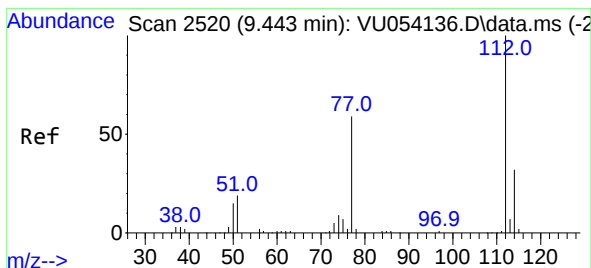
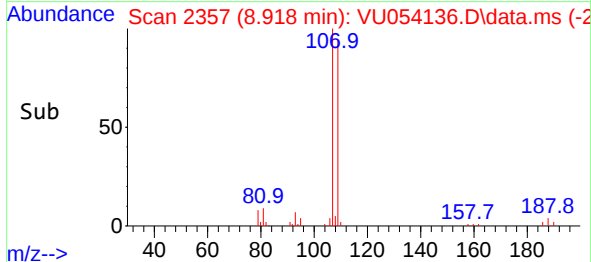
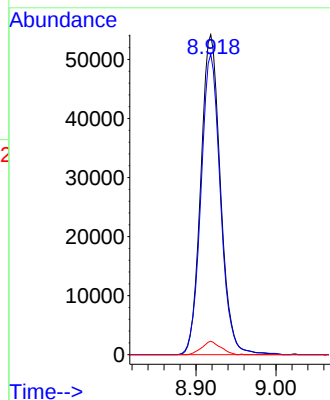
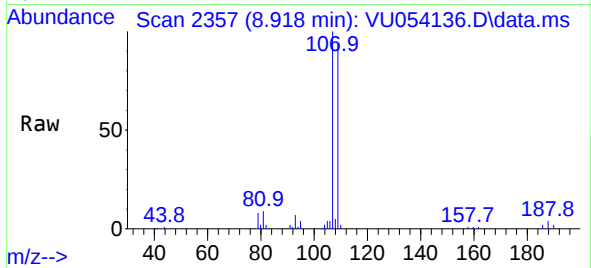




#50
1,2-Dibromoethane
Concen: 50.913 ug/L
RT: 8.918 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

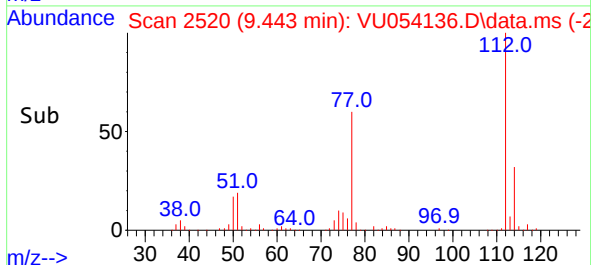
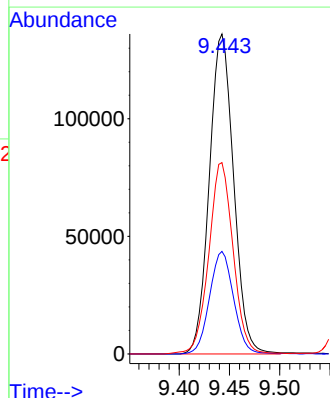
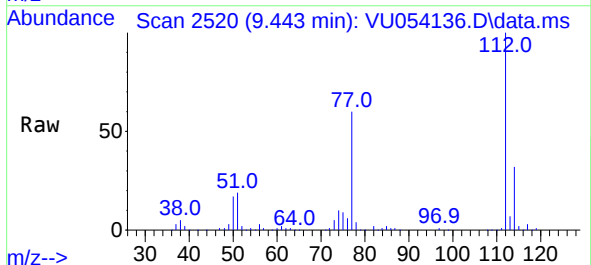
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

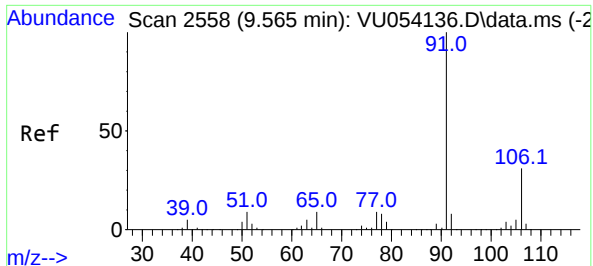
Tgt Ion:107 Resp: 92796
Ion Ratio Lower Upper
107 100
109 93.9 66.1 122.8
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 50.094 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion:112 Resp: 228727
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 59.8 47.0 70.4

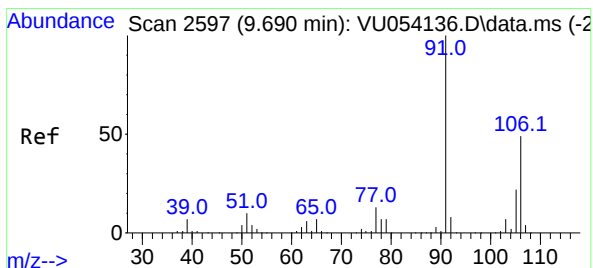
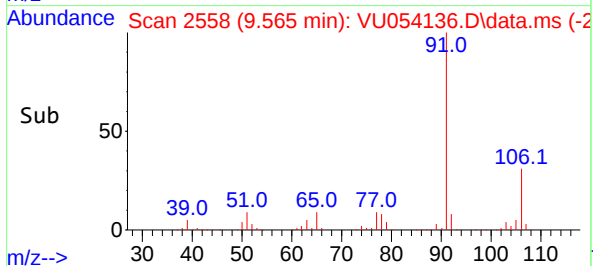
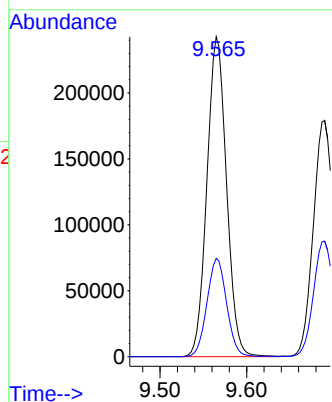
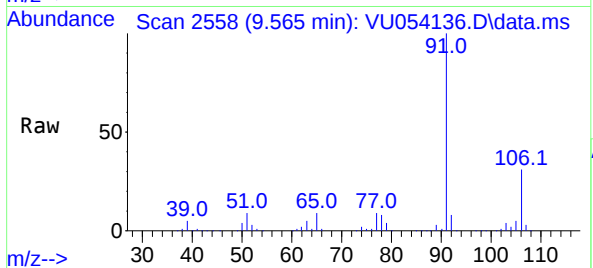




#52
Ethylbenzene
Concen: 49.630 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

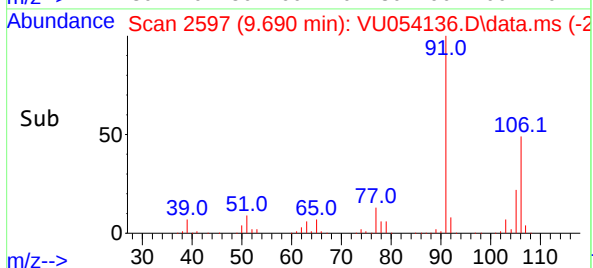
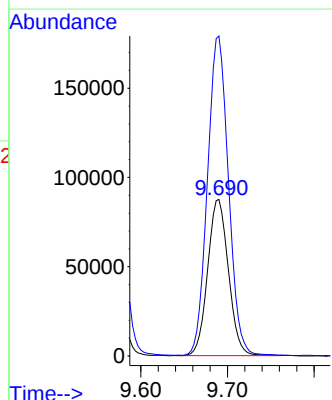
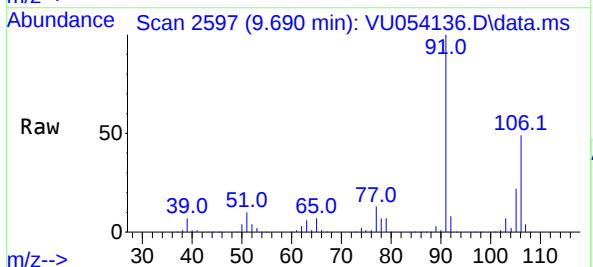
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

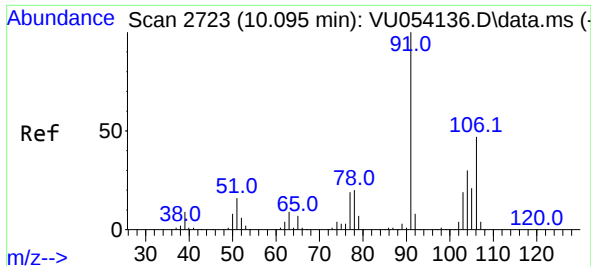
Tgt Ion: 91 Resp: 381318
Ion Ratio Lower Upper
91 100
106 30.7 21.3 39.6



#53
m,p-Xylene
Concen: 50.426 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 106 Resp: 145483
Ion Ratio Lower Upper
106 100
91 204.5 140.5 260.9

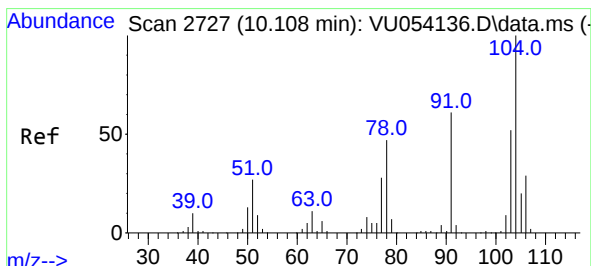
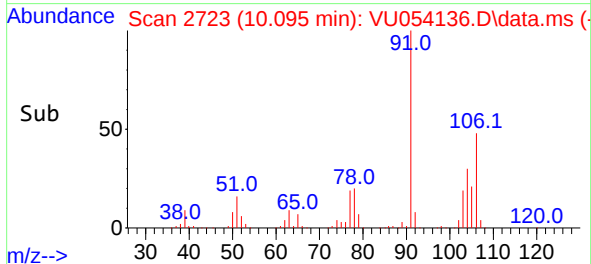
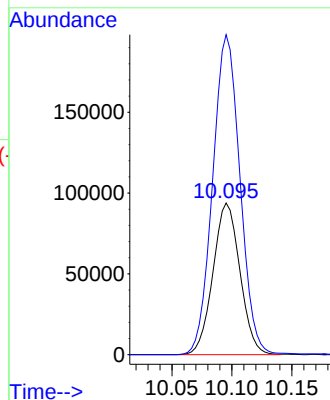
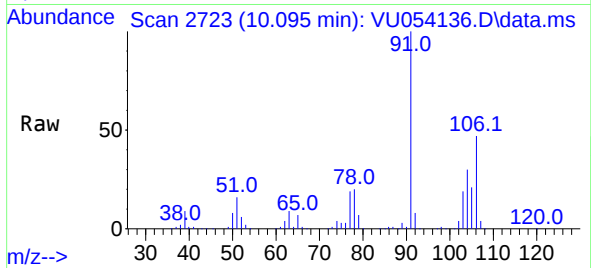




#54
o-Xylene
Concen: 51.960 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

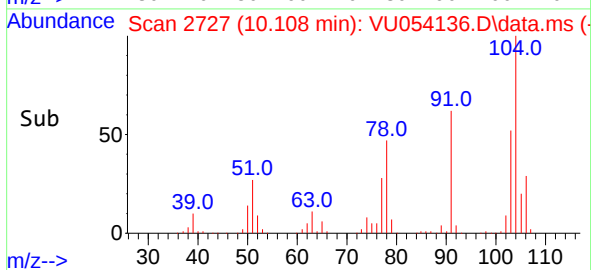
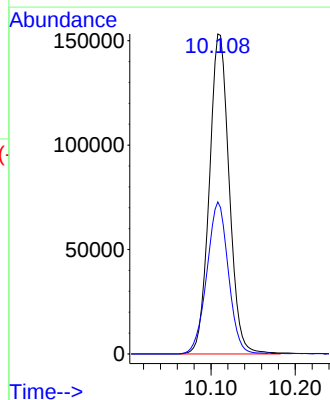
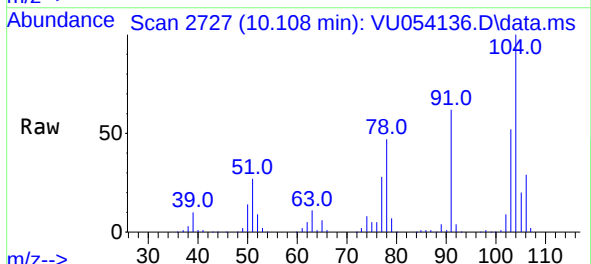
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

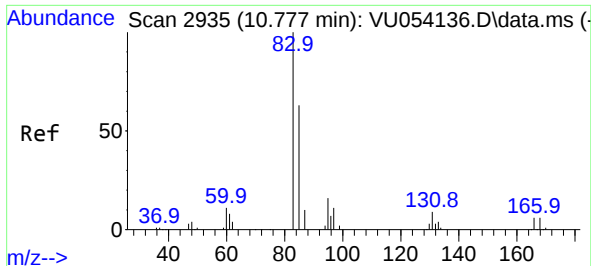
Tgt Ion:106 Resp: 146659
Ion Ratio Lower Upper
106 100
91 210.9 154.9 287.7



#55
Styrene
Concen: 51.880 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion:104 Resp: 251165
Ion Ratio Lower Upper
104 100
78 47.5 33.2 61.7

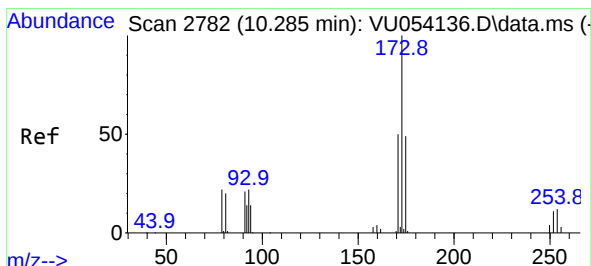
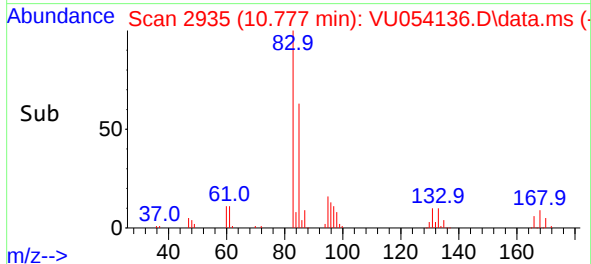
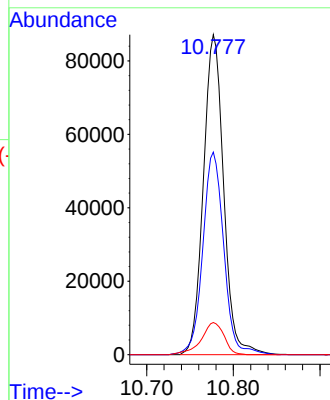
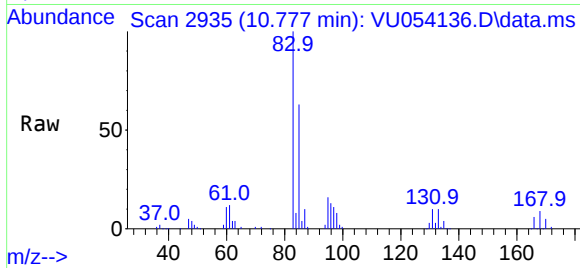




#57
1,1,2,2-Tetrachloroethane
Concen: 50.065 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

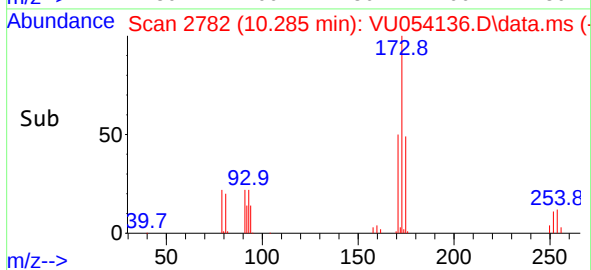
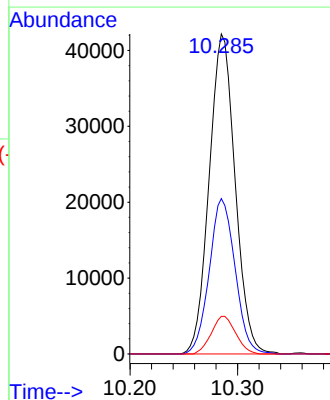
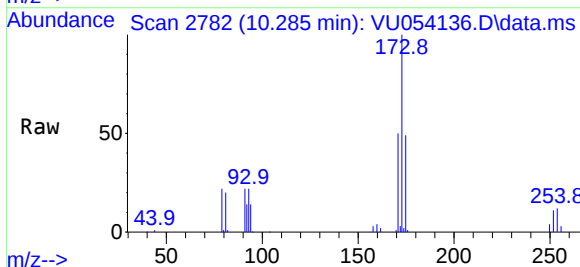
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

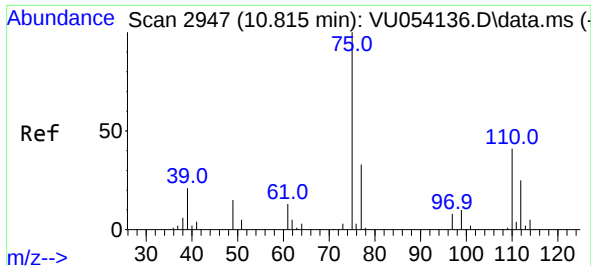
Tgt Ion: 83 Resp: 141619
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.9
131 10.1 8.2 12.2



#59
Bromoform
Concen: 50.589 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion:173 Resp: 70749
Ion Ratio Lower Upper
173 100
175 48.1 38.9 58.3
254 11.0 8.5 12.7

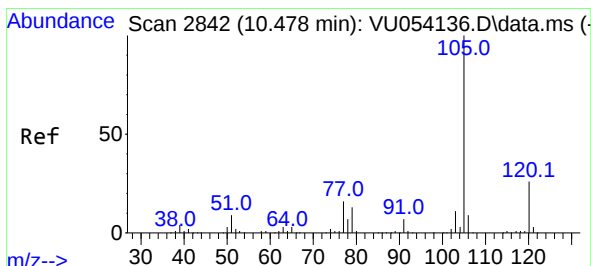
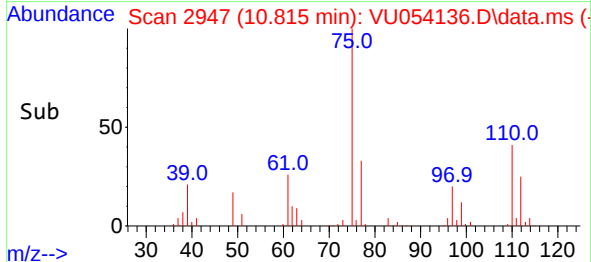
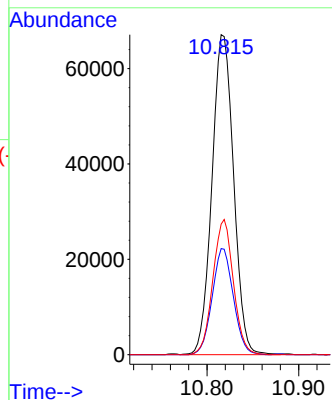
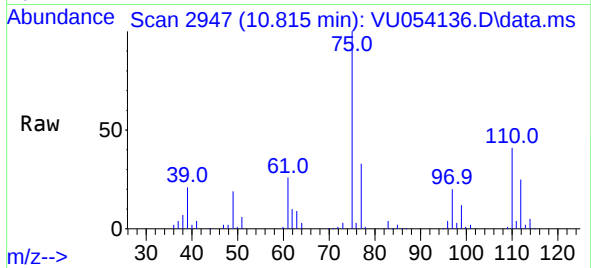




#60
1,2,3-Trichloropropane
Concen: 47.482 ug/L
RT: 10.815 min Scan# 2947
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

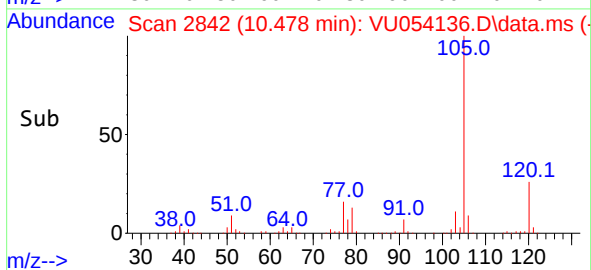
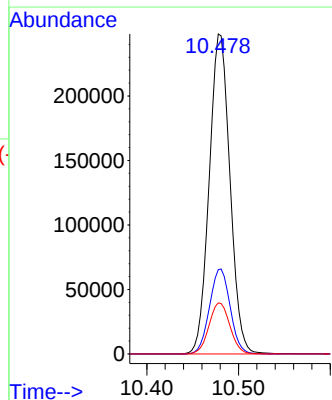
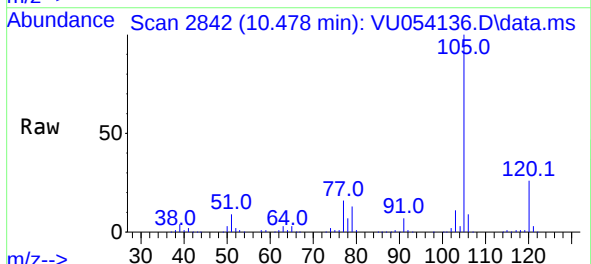
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

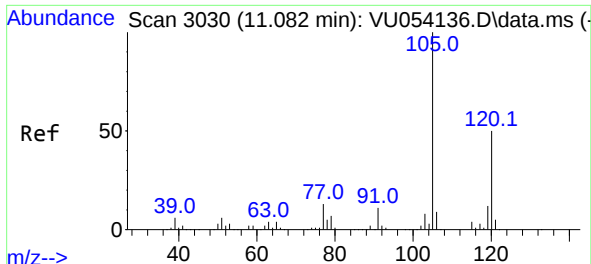
Tgt Ion: 75 Resp: 110171
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0
110 40.1 31.8 47.8



#61
Isopropylbenzene
Concen: 49.439 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion: 105 Resp: 389836
Ion Ratio Lower Upper
105 100
120 26.4 21.3 31.9
77 16.1 12.7 19.1

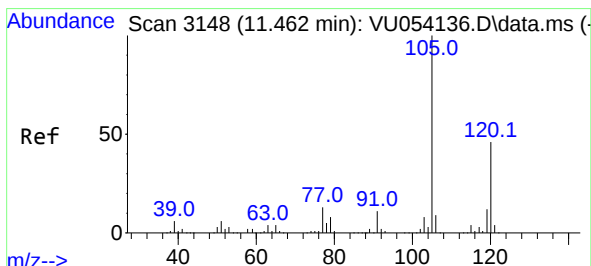
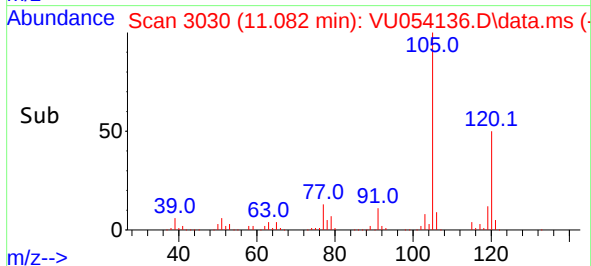
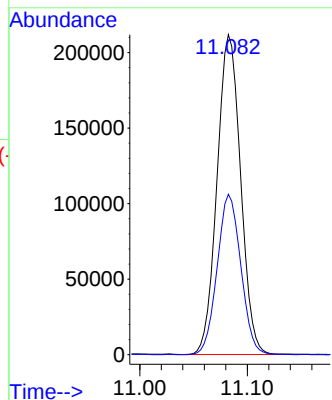
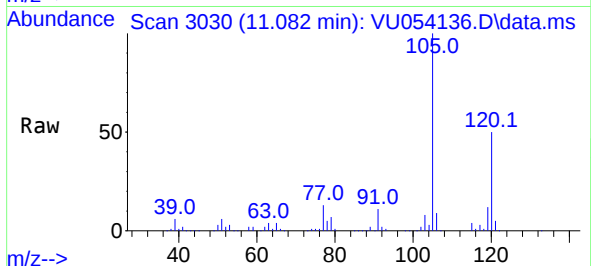




#62
1,3,5-Trimethylbenzene
Concen: 49.868 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

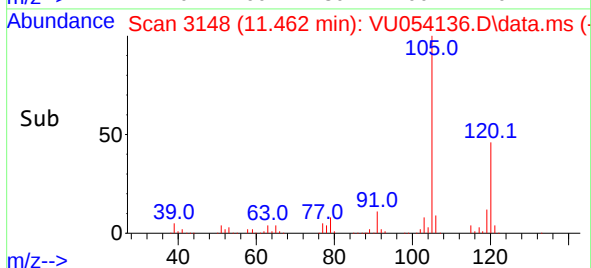
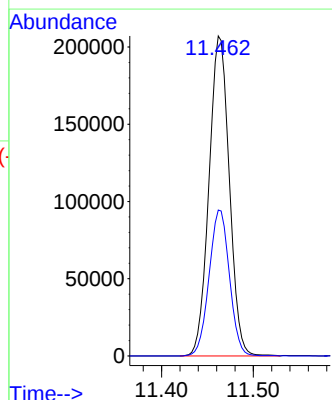
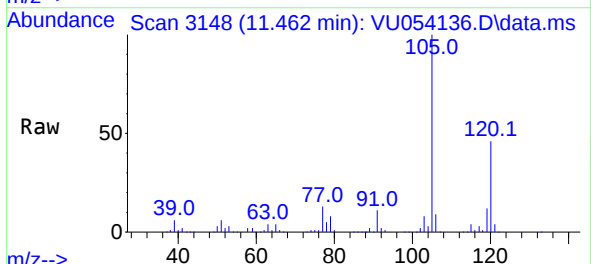
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

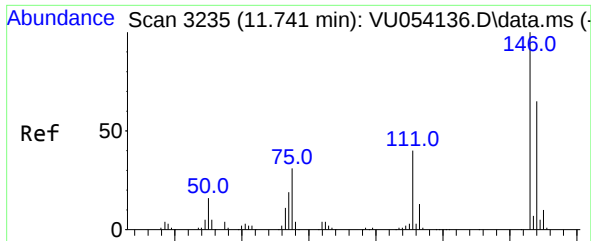
Tgt Ion:105 Resp: 322225
Ion Ratio Lower Upper
105 100
120 50.4 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 50.003 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion:105 Resp: 318461
Ion Ratio Lower Upper
105 100
120 45.7 36.5 54.7

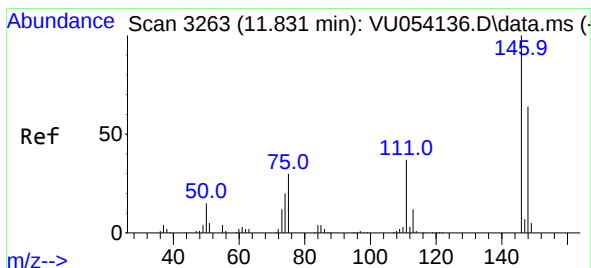
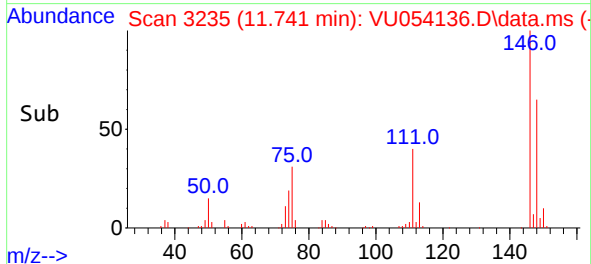
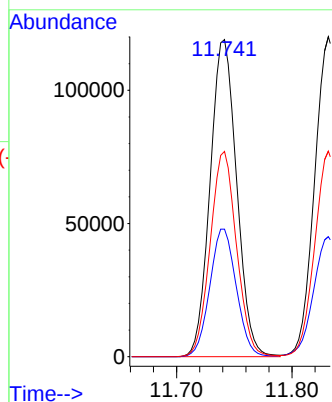
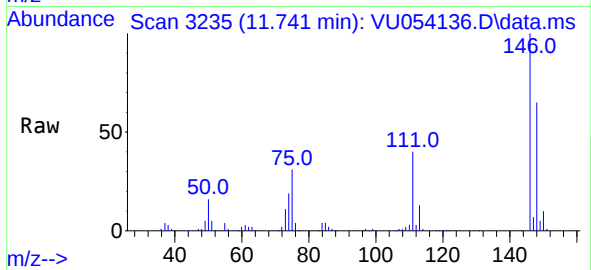




#64
1,3-Dichlorobenzene
Concen: 49.318 ug/L
RT: 11.741 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

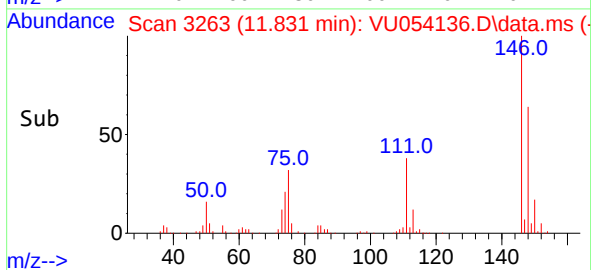
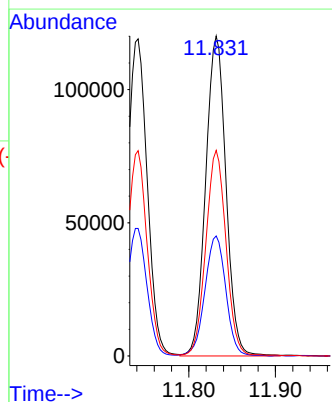
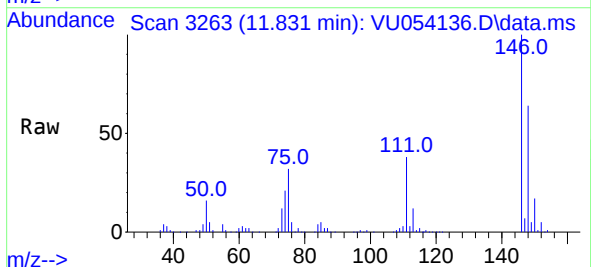
Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

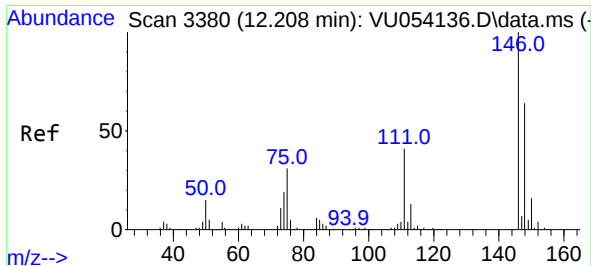
Tgt Ion:146 Resp: 190196
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.7
148 64.7 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 49.816 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion:146 Resp: 195657
Ion Ratio Lower Upper
146 100
111 37.5 27.9 51.7
148 64.2 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 49.639 ug/L

RT: 12.208 min Scan# 311

Delta R.T. -0.000 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050098

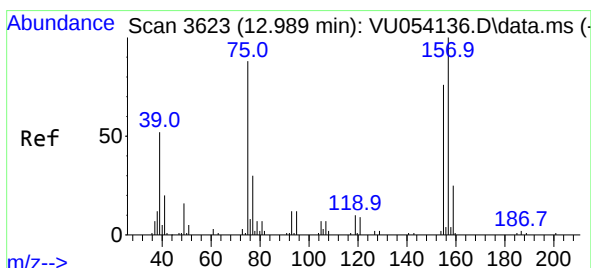
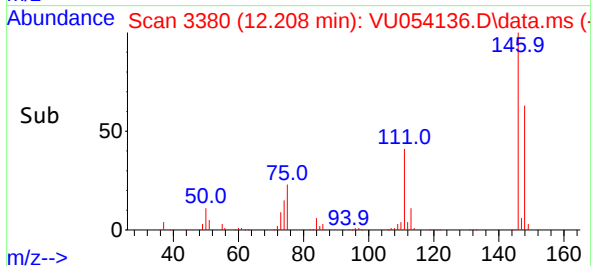
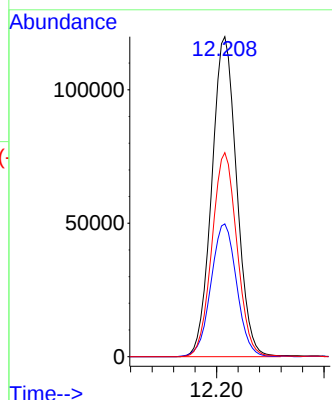
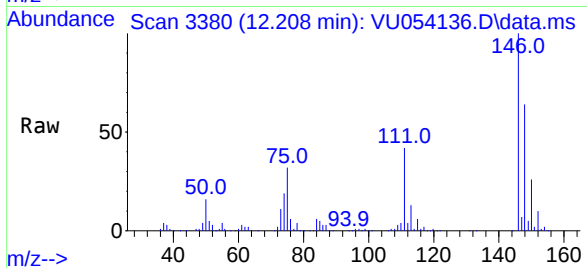
Tgt Ion:146 Resp: 193204

Ion Ratio Lower Upper

146 100

111 41.5 33.4 50.0

148 63.8 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 47.352 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

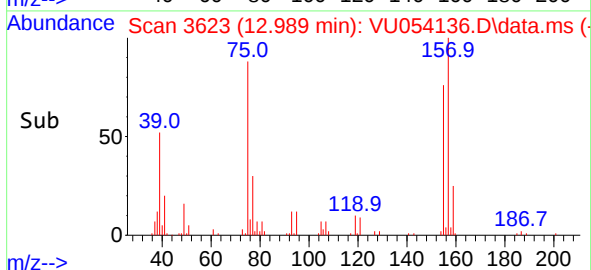
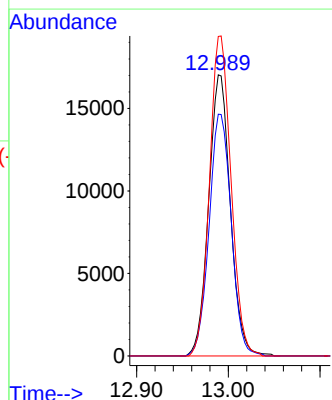
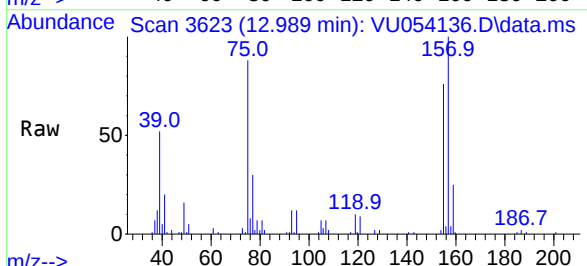
Tgt Ion: 75 Resp: 28030

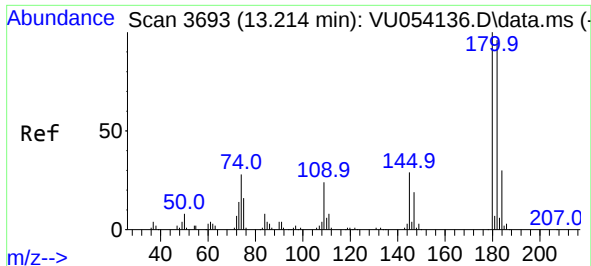
Ion Ratio Lower Upper

75 100

155 86.0 67.8 101.6

157 113.7 88.3 132.5





#69

1,3,5-Trichlorobenzene

Concen: 49.608 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050098

Tgt Ion:180 Resp: 138633

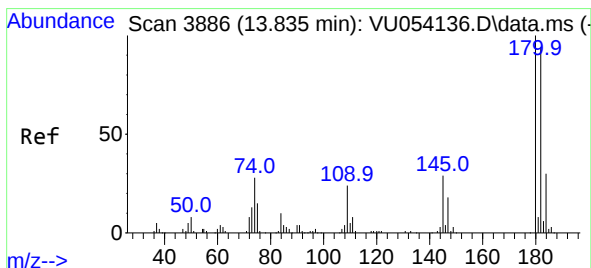
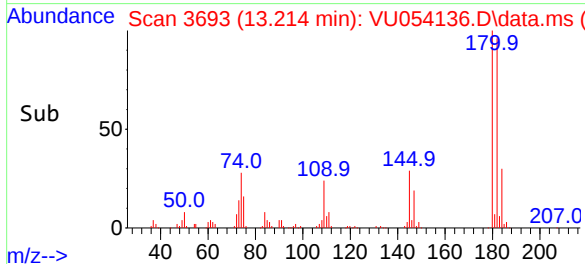
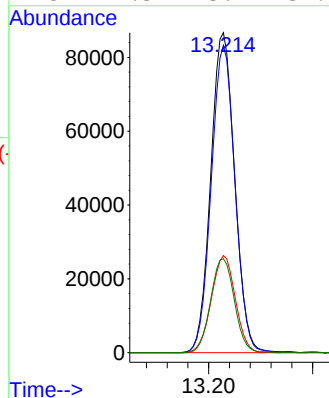
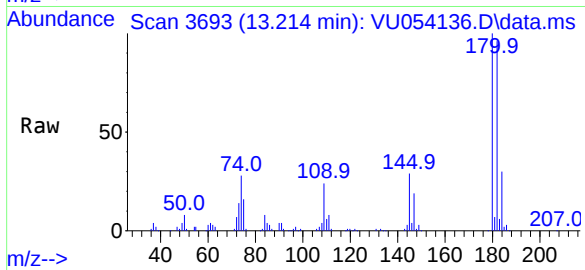
Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

184 30.2 24.2 36.2

145 29.3 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 48.943 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU054136.D

Acq: 10 May 2023 10:24

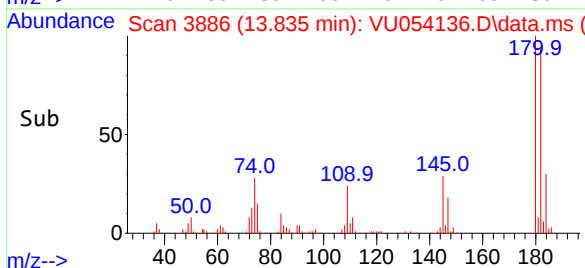
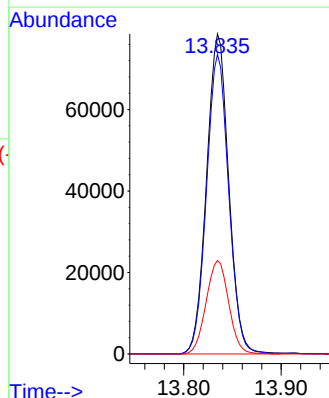
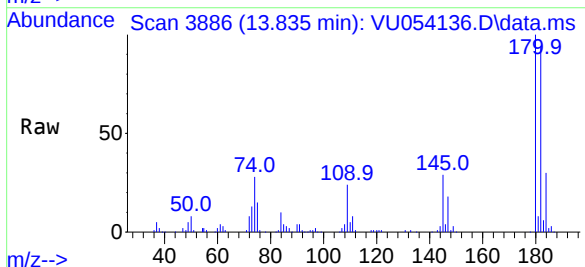
Tgt Ion:180 Resp: 123996

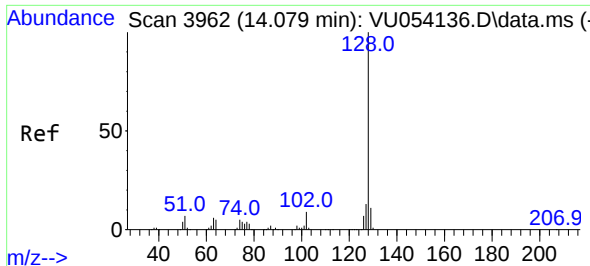
Ion Ratio Lower Upper

180 100

182 93.7 77.4 116.2

145 29.6 23.8 35.8

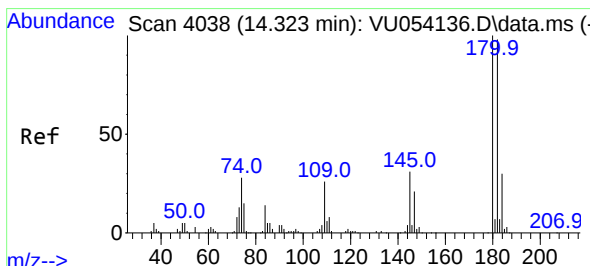
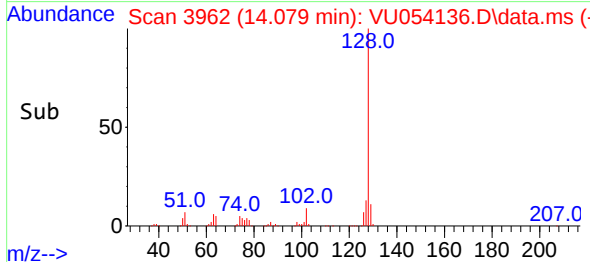
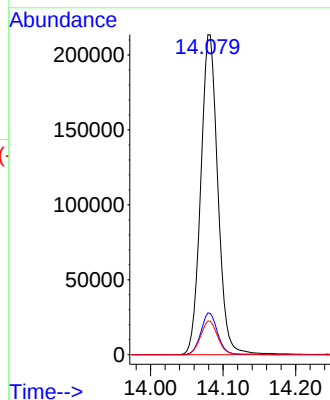
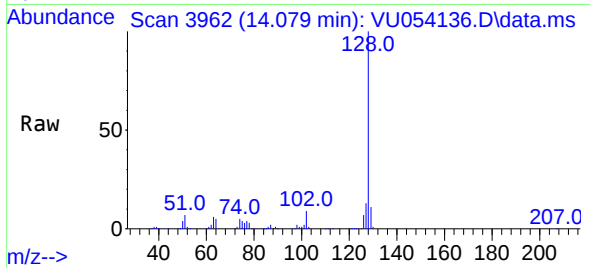




#71
Naphthalene
Concen: 47.497 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050098

Tgt Ion:128 Resp: 349024
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.6 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 49.670 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU054136.D
Acq: 10 May 2023 10:24

Tgt Ion:180 Resp: 125177
Ion Ratio Lower Upper
180 100
182 96.9 76.6 114.8
145 31.3 24.9 37.3

