

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051023\
 Data File : VU054148.D
 Acq On : 10 May 2023 17:17
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050099

Quant Time: May 11 06:47:10 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	238662	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	227429	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	133603	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	63772	35.330	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.660%
7) Chloroethane-d5	1.906	69	54584	46.068	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.140%
11) 1,1-Dichloroethene-d2	2.565	63	135460	42.312	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.620%
21) 2-Butanone-d5	4.620	46	104978	101.973	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.970%
24) Chloroform-d	5.057	84	150624	45.435	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.880%
26) 1,2-Dichloroethane-d4	5.694	65	94407	44.353	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
32) Benzene-d6	5.719	84	277271	41.418	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.840%
36) 1,2-Dichloropropane-d6	6.684	67	90729	42.931	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.860%
41) Toluene-d8	7.893	98	253827	41.997	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	8.173	79	46062	44.042	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.080%
47) 2-Hexanone-d5	8.626	63	70662	93.351	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.350%
56) 1,1,2,2-Tetrachloroeth...	10.748	84	131956	47.403	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.800%
66) 1,2-Dichlorobenzene-d4	12.189	152	113365	43.435	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	81232	47.175	ug/L	100
3) Chloromethane	1.517	50	72977	46.114	ug/L	99
5) Vinyl chloride	1.604	62	82354	48.927	ug/L	98
6) Bromomethane	1.851	94	43543	46.406	ug/L	98
8) Chloroethane	1.929	64	51382	56.019	ug/L	99
9) Trichlorofluoromethane	2.134	101	136307	51.031	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	81366	50.934	ug/L	99
12) 1,1-Dichloroethene	2.575	96	69228	50.006	ug/L	98
13) Acetone	2.626	43	102870	101.805	ug/L	97
14) Carbon disulfide	2.790	76	150532	48.991	ug/L	99
15) Methyl Acetate	2.945	43	79900	50.491	ug/L	99
16) Methylene chloride	3.041	84	88585	50.736	ug/L	95
17) trans-1,2-Dichloroethene	3.347	96	71450	50.474	ug/L	99
18) Methyl tert-butyl Ether	3.356	73	258375	49.647	ug/L	98
19) 1,1-Dichloroethane	3.864	63	147951	48.678	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	88108	50.649	ug/L	96
22) 2-Butanone	4.697	43	129570	108.611	ug/L	96
23) Bromochloromethane	4.967	128	47254	52.396	ug/L	96
25) Chloroform	5.080	83	162041	50.522	ug/L	99

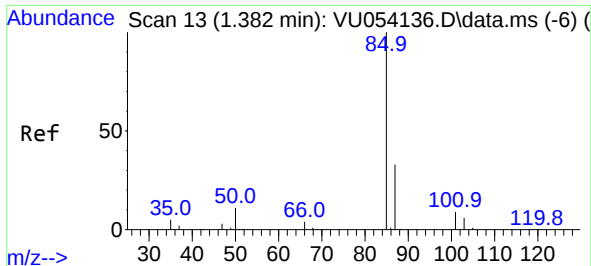
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051023\
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 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	123320	49.988	ug/L	98
29) Cyclohexane	5.382	56	108695	46.244	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	139439	49.189	ug/L	99
31) Carbon tetrachloride	5.517	117	120742	49.926	ug/L	98
33) Benzene	5.768	78	318391	48.097	ug/L	100
34) Trichloroethene	6.536	95	88378	50.302	ug/L	99
35) Methylcyclohexane	6.758	83	119957	48.682	ug/L	97
37) 1,2-Dichloropropane	6.784	63	88037	47.007	ug/L	98
38) Bromodichloromethane	7.099	83	115660	49.018	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	144834	49.435	ug/L	95
40) 4-Methyl-2-pentanone	7.784	43	220469	101.015	ug/L	99
42) Toluene	7.964	91	343766	49.883	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	141866	50.952	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	88978	49.084	ug/L	99
46) Tetrachloroethene	8.549	164	69368	49.767	ug/L	98
48) 2-Hexanone	8.678	43	187273	108.271	ug/L	100
49) Dibromochloromethane	8.803	129	91815	51.400	ug/L	96
50) 1,2-Dibromoethane	8.919	107	93890	51.028	ug/L	98
51) Chlorobenzene	9.443	112	235232	51.034	ug/L	99
52) Ethylbenzene	9.565	91	393504	50.734	ug/L	99
53) m,p-Xylene	9.687	106	150290	51.602	ug/L	98
54) o-Xylene	10.095	106	148662	52.174	ug/L	99
55) Styrene	10.108	104	263988	54.016	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	145833	51.069	ug/L	98
59) Bromoform	10.285	173	71982	48.124	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	114383	46.092	ug/L	100
61) Isopropylbenzene	10.478	105	404619	47.977	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	337112	48.780	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	337963	49.614	ug/L	99
64) 1,3-Dichlorobenzene	11.738	146	205983	49.939	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	210357	50.076	ug/L	99
67) 1,2-Dichlorobenzene	12.205	146	205962	49.477	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	31680	50.039	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	157853	52.813	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	147636	54.485	ug/L	98
71) Naphthalene	14.079	128	446591	56.823	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	150075	55.677	ug/L	99

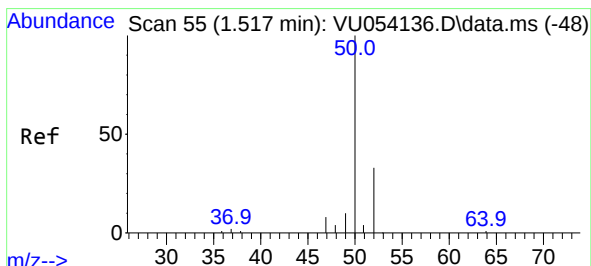
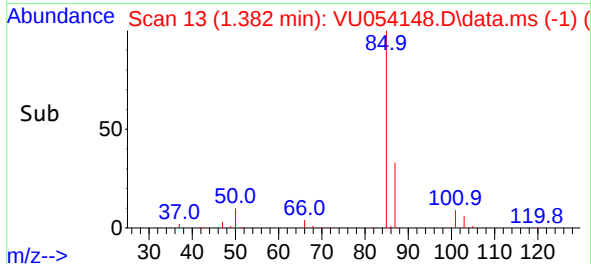
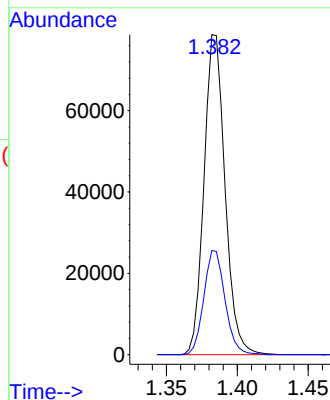
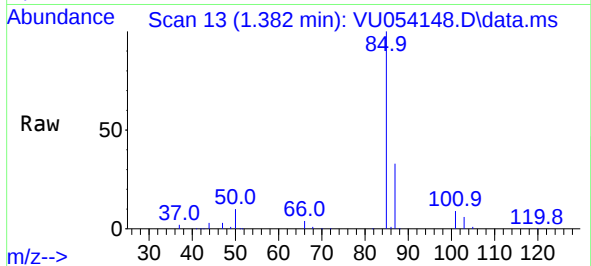
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 47.175 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

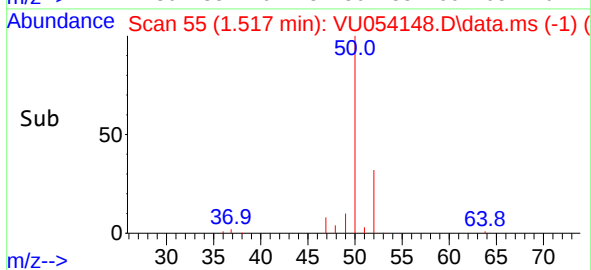
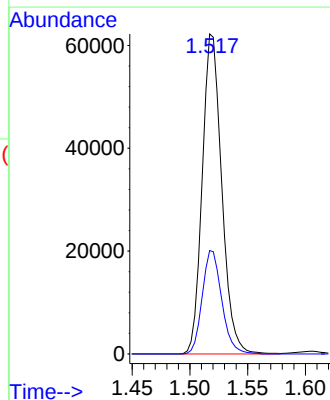
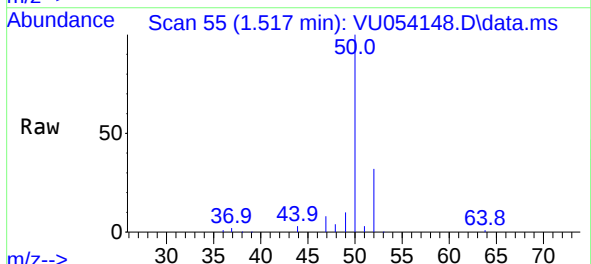
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

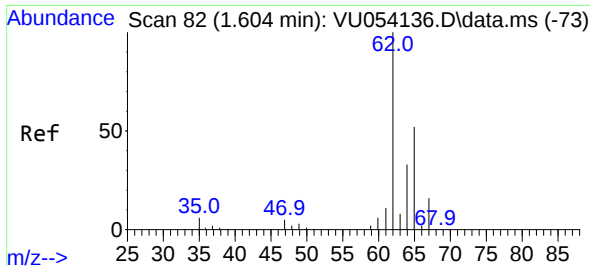
Tgt Ion: 85 Resp: 81232
Ion Ratio Lower Upper
85 100
87 32.7 26.0 39.0



#3
Chloromethane
Concen: 46.114 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 50 Resp: 72977
Ion Ratio Lower Upper
50 100
52 32.3 22.4 41.6

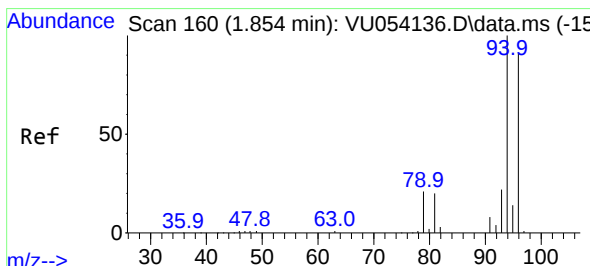
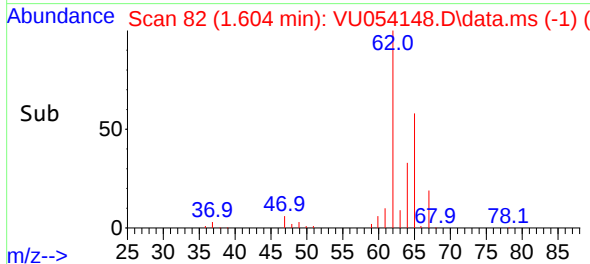
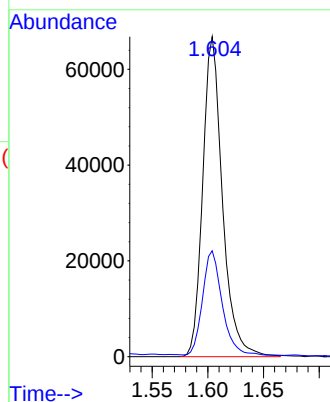
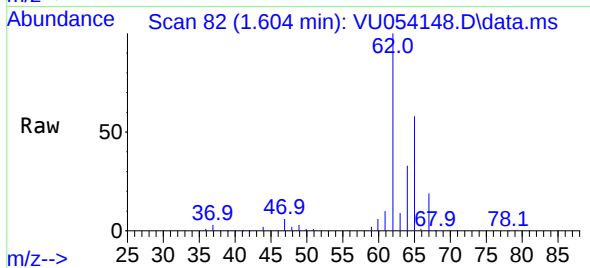




#5
 Vinyl chloride
 Concen: 48.927 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU054148.D
 Acq: 10 May 2023 17:17

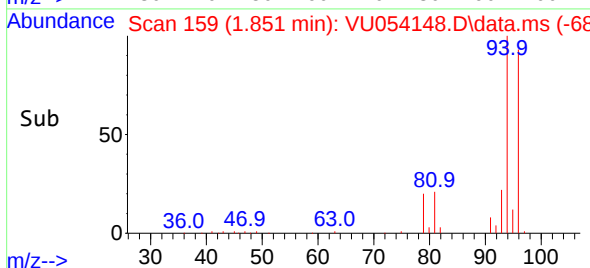
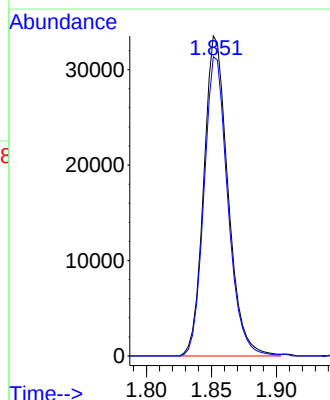
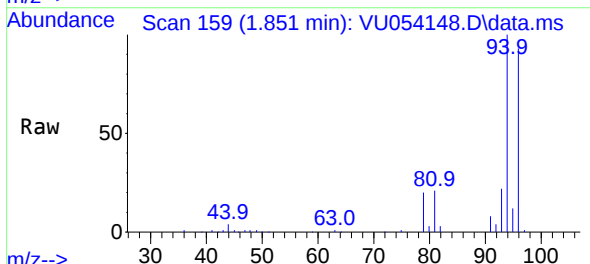
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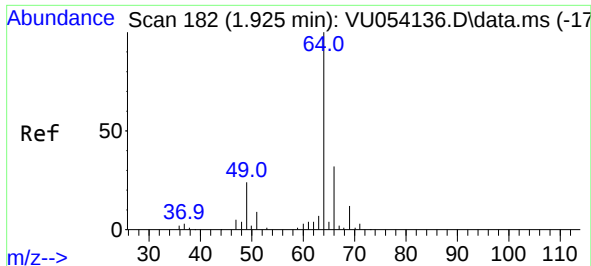
Tgt Ion: 62 Resp: 82354
 Ion Ratio Lower Upper
 62 100
 64 33.1 24.1 44.7



#6
 Bromomethane
 Concen: 46.406 ug/L
 RT: 1.851 min Scan# 159
 Delta R.T. -0.006 min
 Lab File: VU054148.D
 Acq: 10 May 2023 17:17

Tgt Ion: 94 Resp: 43543
 Ion Ratio Lower Upper
 94 100
 96 93.5 63.9 118.7

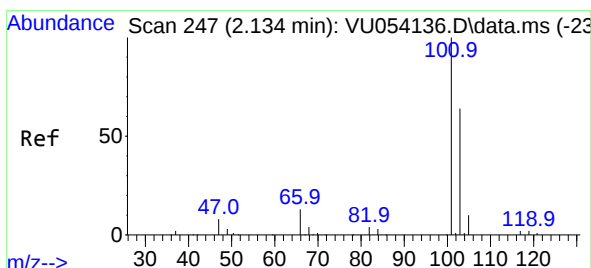
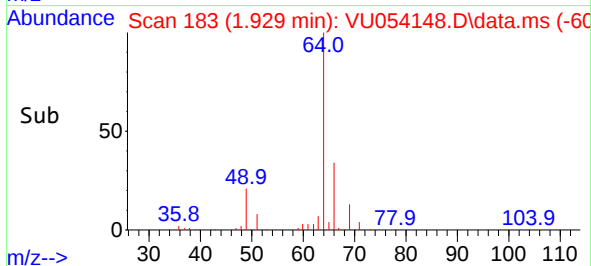
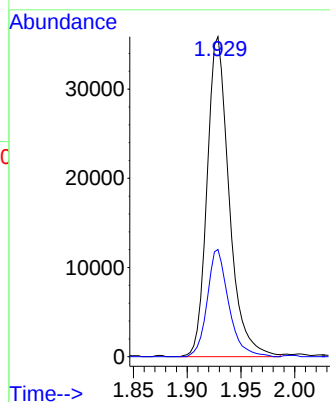
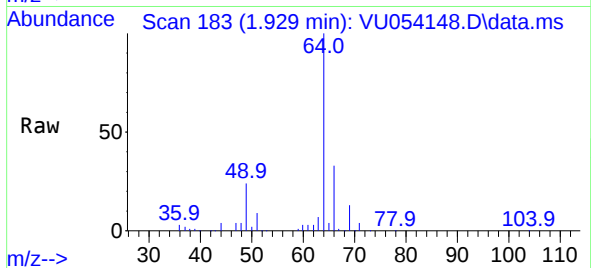




#8
Chloroethane
Concen: 56.019 ug/L
RT: 1.929 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

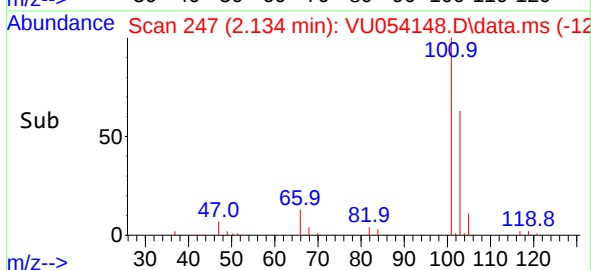
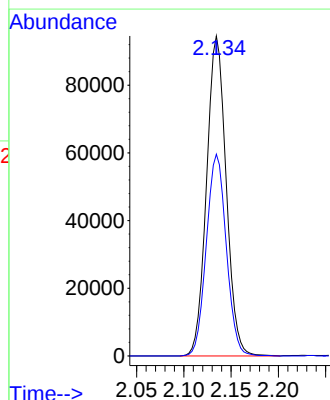
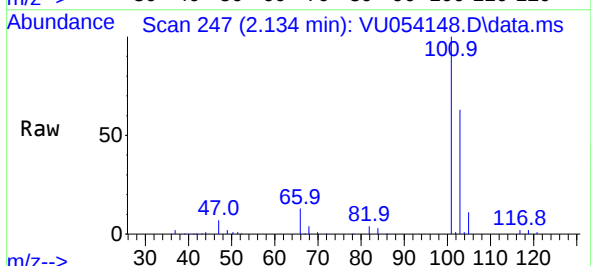
Instrument :
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ClientSampleId :
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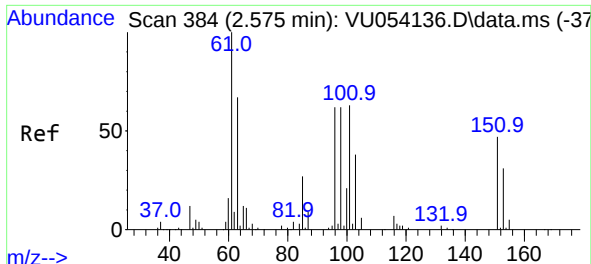
Tgt Ion: 64 Resp: 51382
Ion Ratio Lower Upper
64 100
66 33.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 51.031 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion:101 Resp: 136307
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.4

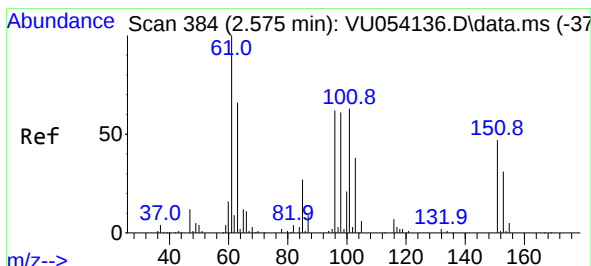
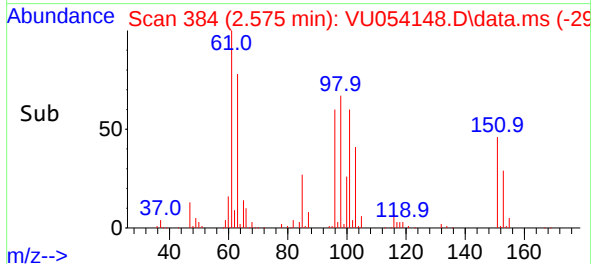
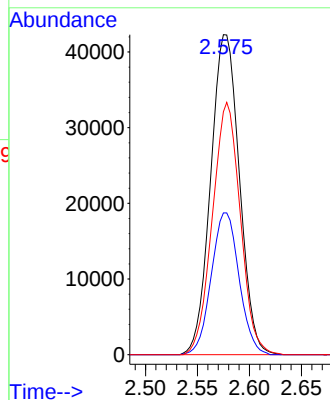
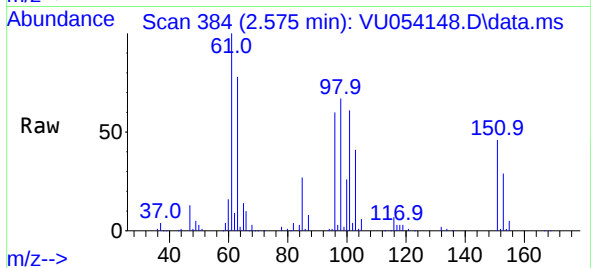




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 50.934 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

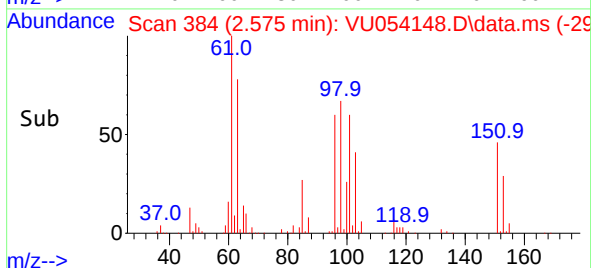
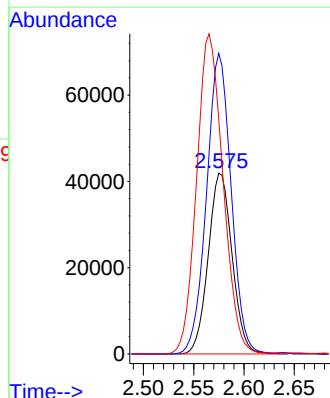
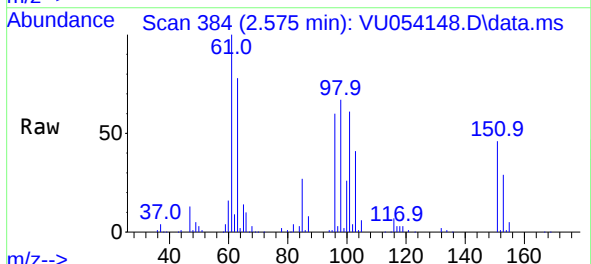
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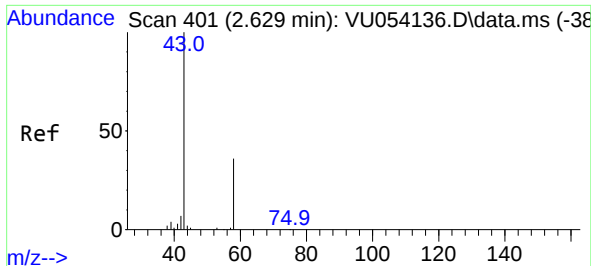
Tgt Ion:101 Resp: 81366
Ion Ratio Lower Upper
101 100
85 42.9 34.3 51.5
151 76.6 60.3 90.5



#12
1,1-Dichloroethene
Concen: 50.006 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 96 Resp: 69228
Ion Ratio Lower Upper
96 100
61 166.3 118.3 219.7
63 129.9 92.3 171.5

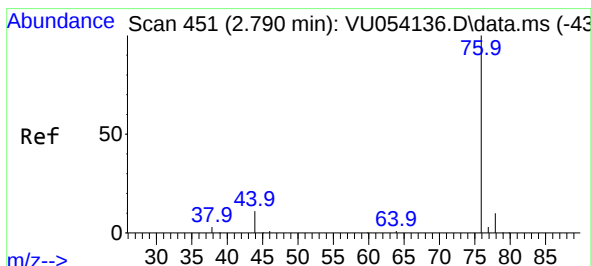
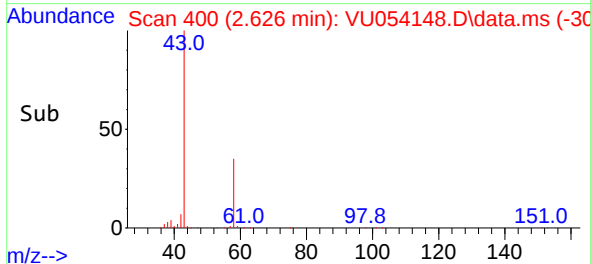
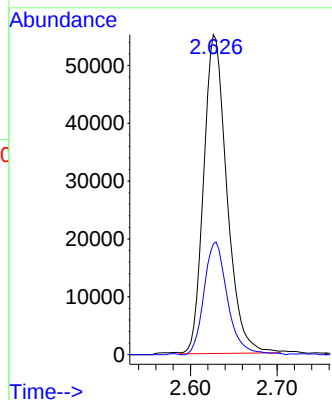
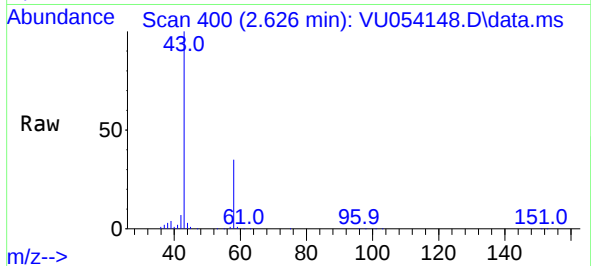




#13
Acetone
Concen: 101.805 ug/L
RT: 2.626 min Scan# 401
Delta R.T. -0.006 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

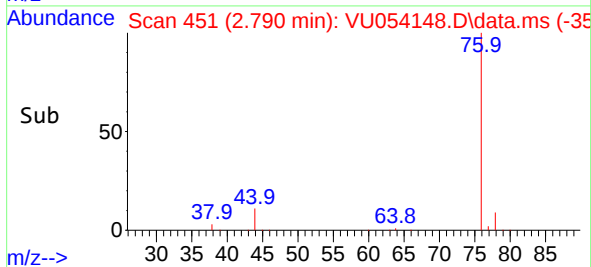
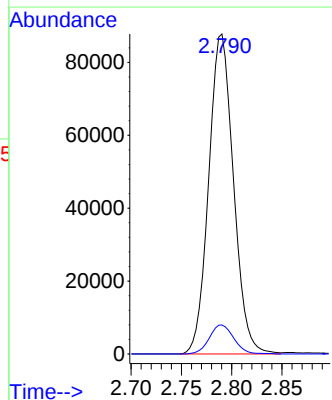
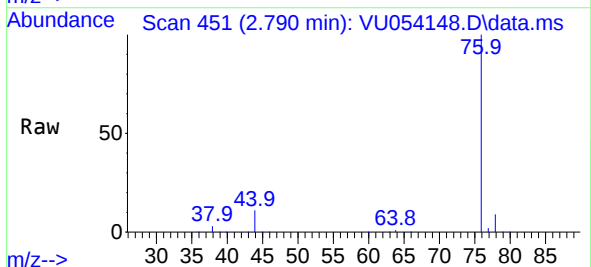
Instrument :
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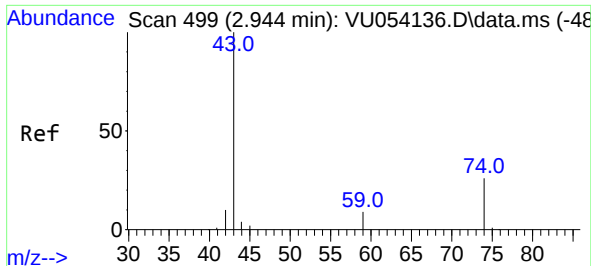
Tgt Ion: 43 Resp: 102870
Ion Ratio Lower Upper
43 100
58 35.5 0.0 67.4



#14
Carbon disulfide
Concen: 48.991 ug/L
RT: 2.790 min Scan# 451
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 76 Resp: 150532
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

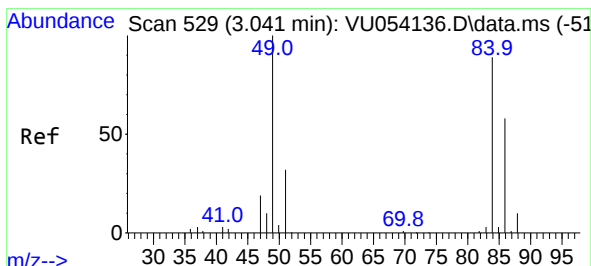
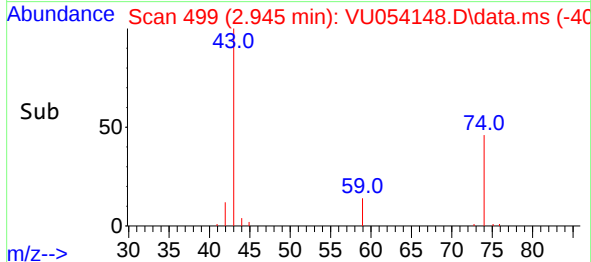
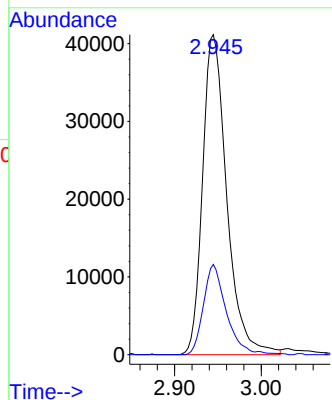
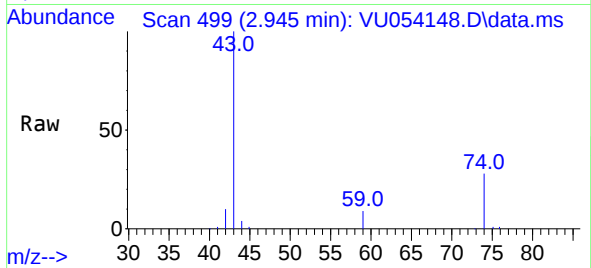




#15
Methyl Acetate
Concen: 50.491 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

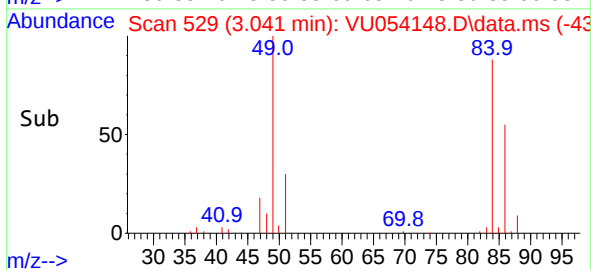
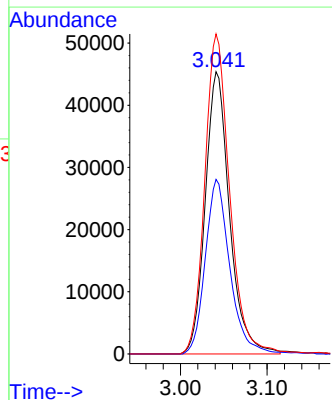
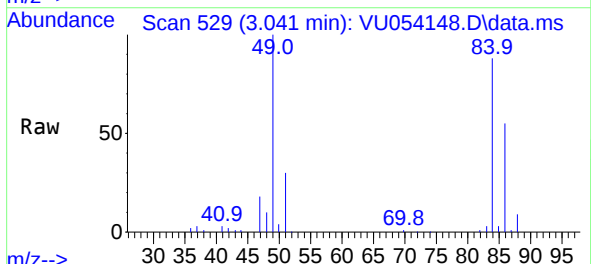
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

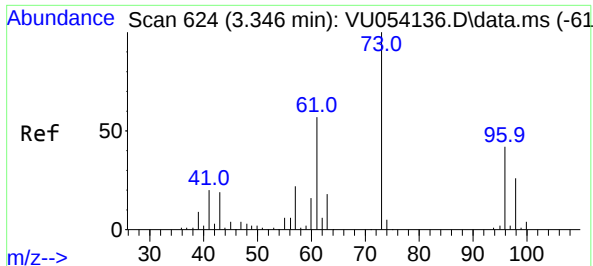
Tgt Ion: 43 Resp: 79900
Ion Ratio Lower Upper
43 100
74 26.1 21.2 31.8



#16
Methylene chloride
Concen: 50.736 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 84 Resp: 88585
Ion Ratio Lower Upper
84 100
86 61.9 45.8 85.2
49 113.4 83.0 154.2

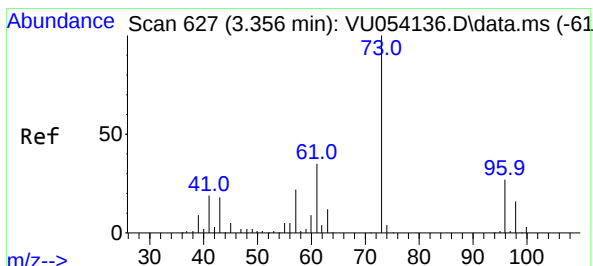
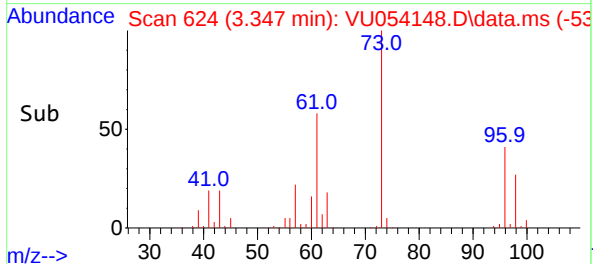
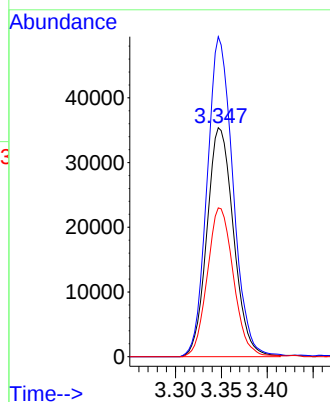
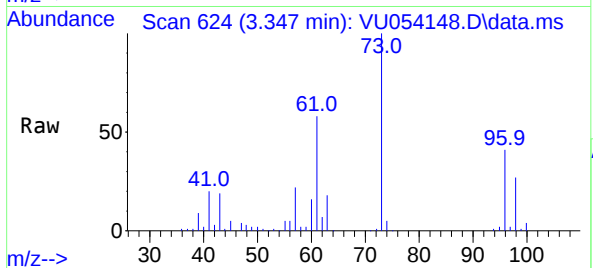




#17
trans-1,2-Dichloroethene
Concen: 50.474 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

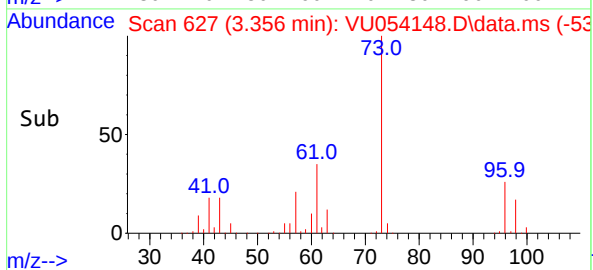
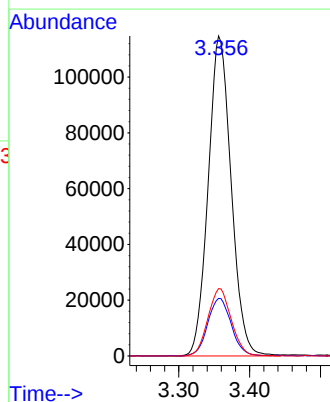
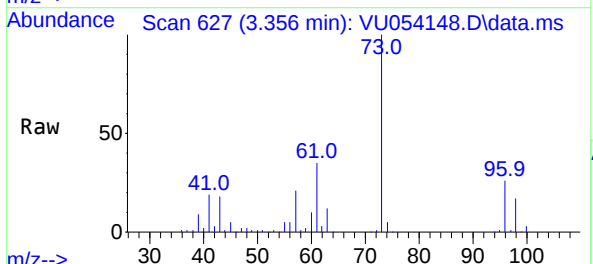
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

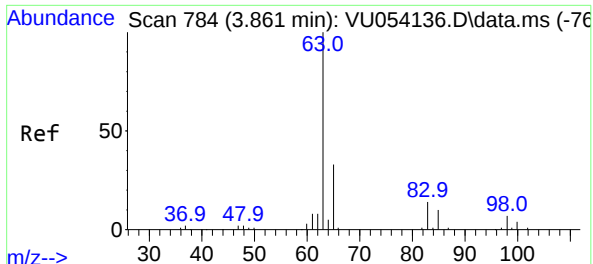
Tgt Ion: 96 Resp: 71450
Ion Ratio Lower Upper
96 100
61 139.8 97.5 181.1
98 65.0 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 49.647 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 73 Resp: 258375
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.0
57 21.4 18.0 27.0

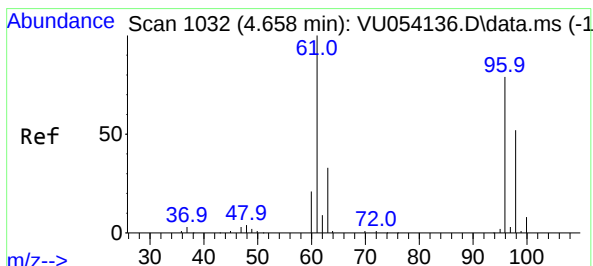
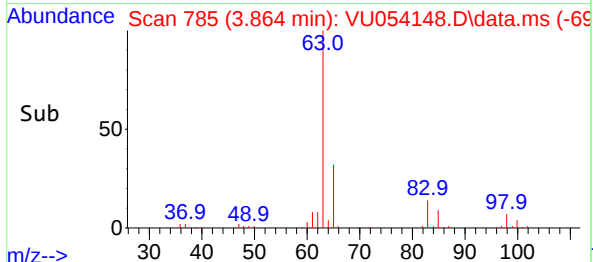
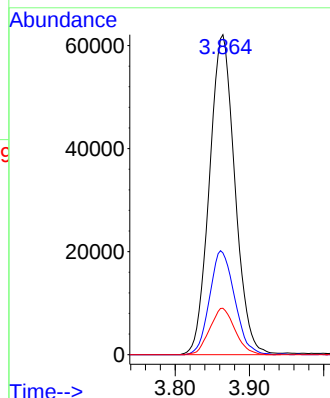
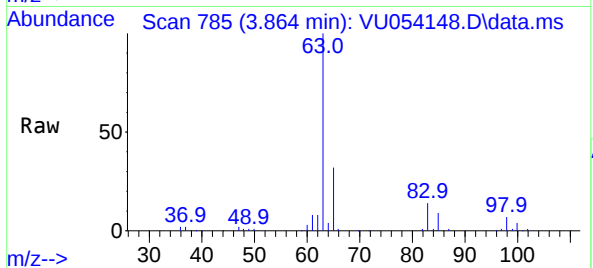




#19
1,1-Dichloroethane
Concen: 48.678 ug/L
RT: 3.864 min Scan# 784
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

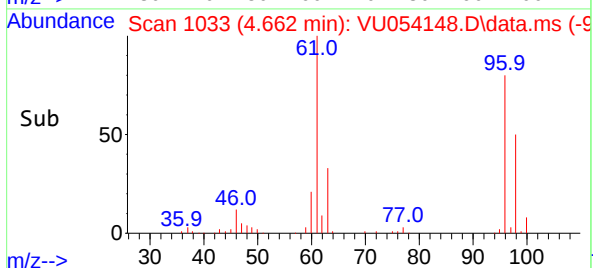
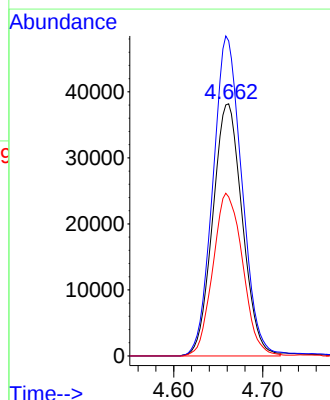
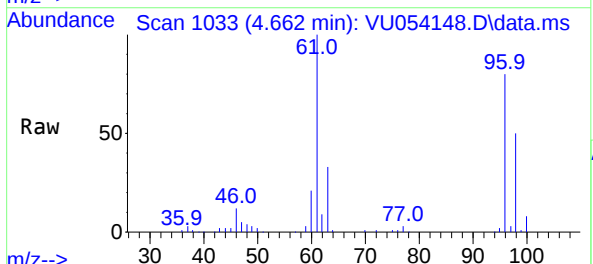
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

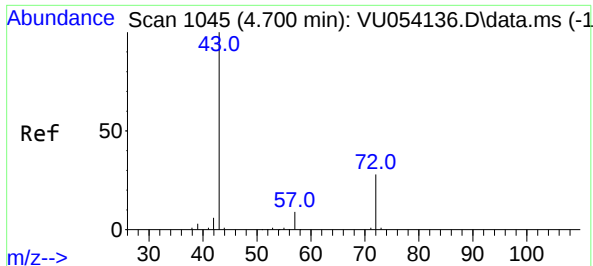
Tgt Ion: 63 Resp: 147951
Ion Ratio Lower Upper
63 100
65 31.8 22.0 40.8
83 14.5 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 50.649 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 96 Resp: 88108
Ion Ratio Lower Upper
96 100
61 125.0 90.9 168.9
98 63.1 45.7 84.9





#22

2-Butanone

Concen: 108.611 ug/L

RT: 4.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

Instrument :

MSVOA_U

ClientSampleId :

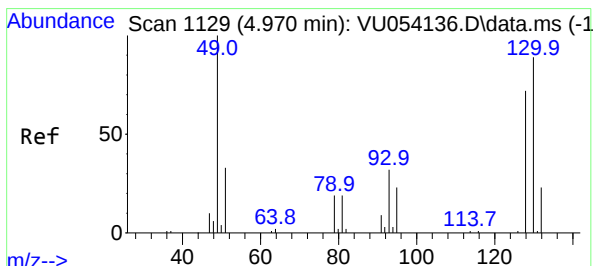
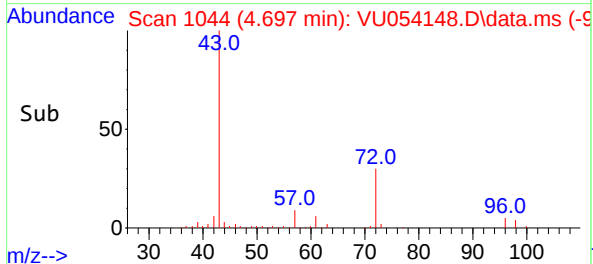
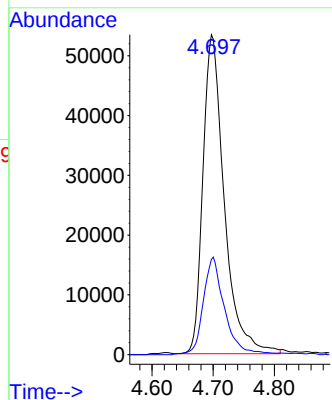
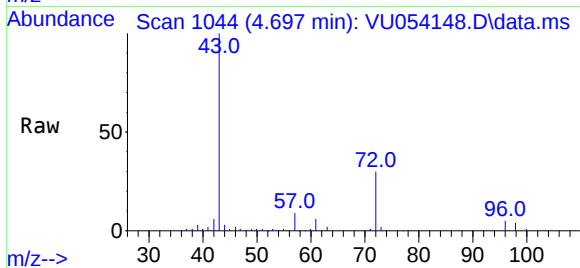
VSTD050099

Tgt Ion: 43 Resp: 129570

Ion Ratio Lower Upper

43 100

72 29.8 14.0 41.9



#23

Bromochloromethane

Concen: 52.396 ug/L

RT: 4.967 min Scan# 1128

Delta R.T. -0.003 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

Tgt Ion:128 Resp: 47254

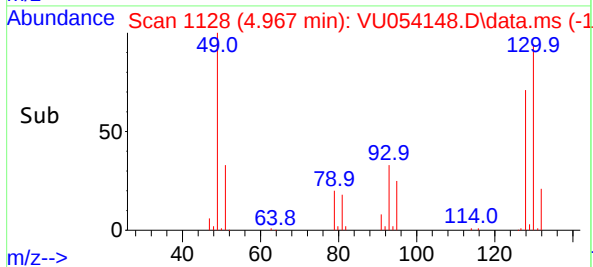
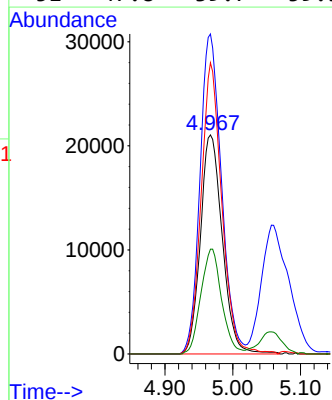
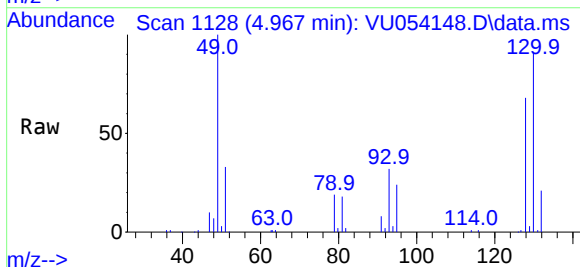
Ion Ratio Lower Upper

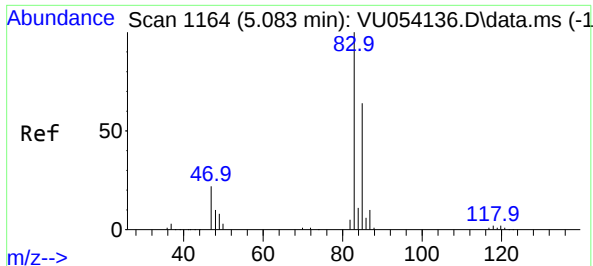
128 100

49 146.1 107.5 199.7

130 133.0 91.0 169.0

51 47.8 39.7 59.5





#25

Chloroform

Concen: 50.522 ug/L

RT: 5.080 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

Instrument :

MSVOA_U

ClientSampleId :

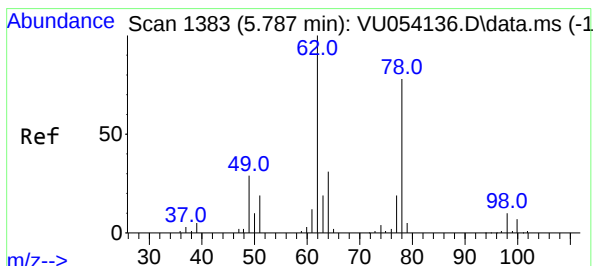
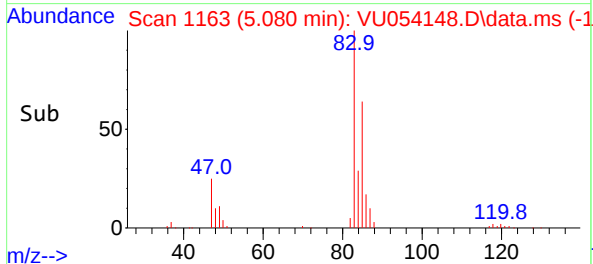
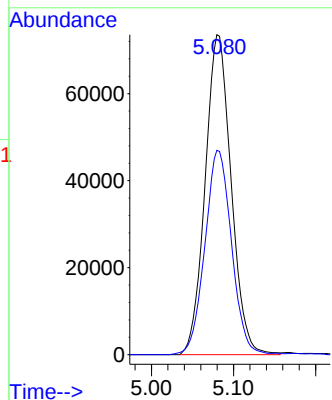
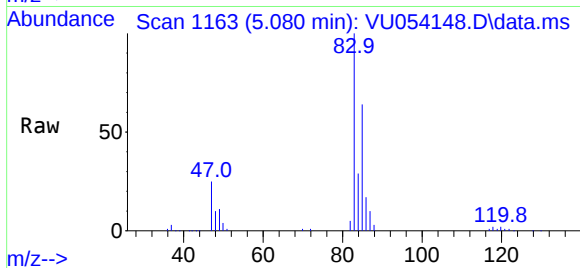
VSTD050099

Tgt Ion: 83 Resp: 162041

Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 49.988 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054148.D

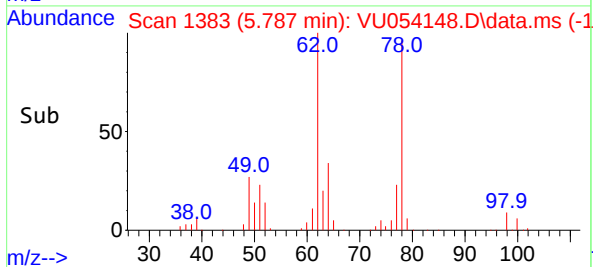
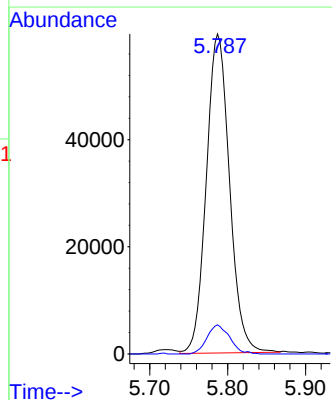
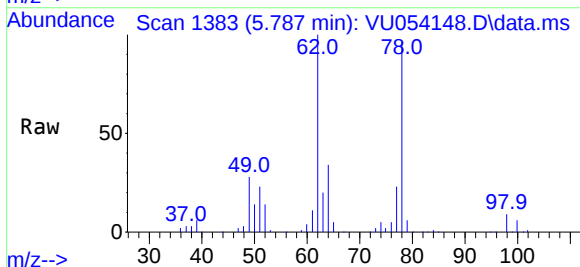
Acq: 10 May 2023 17:17

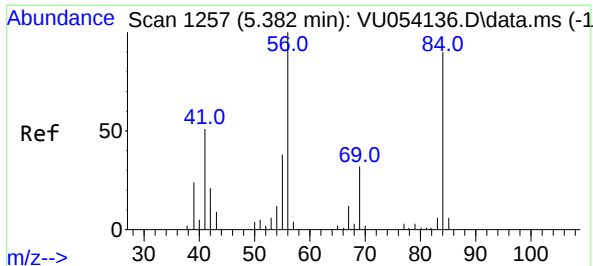
Tgt Ion: 62 Resp: 123320

Ion Ratio Lower Upper

62 100

98 9.1 8.0 12.0





#29

Cyclohexane

Concen: 46.244 ug/L

RT: 5.382 min Scan# 1257

Delta R.T. -0.003 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050099

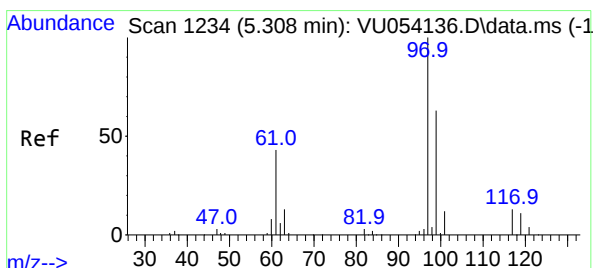
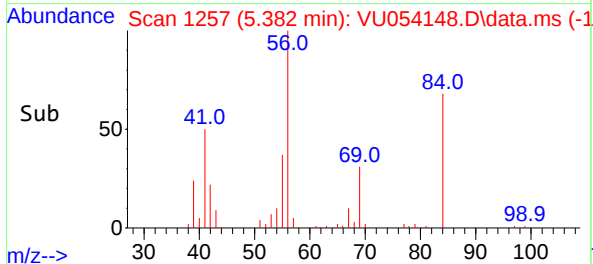
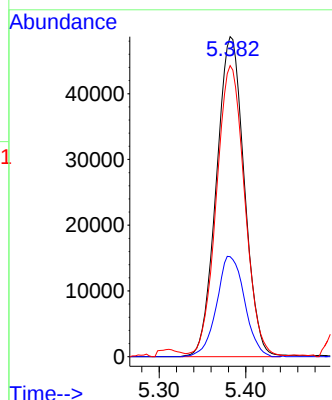
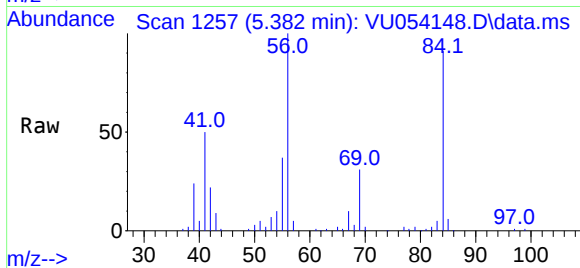
Tgt Ion: 56 Resp: 108695

Ion Ratio Lower Upper

56 100

69 31.4 25.8 38.6

84 91.4 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 49.189 ug/L

RT: 5.308 min Scan# 1234

Delta R.T. -0.003 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

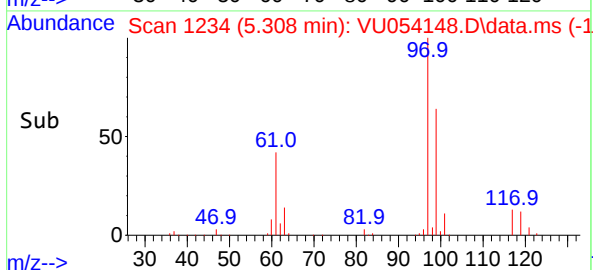
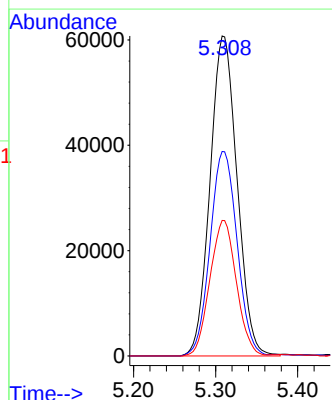
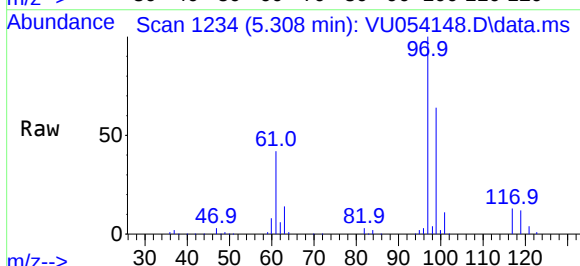
Tgt Ion: 97 Resp: 139439

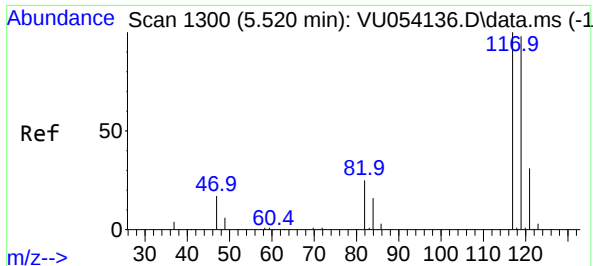
Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 41.5 34.2 51.4

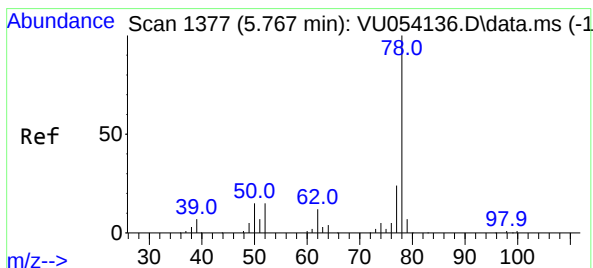
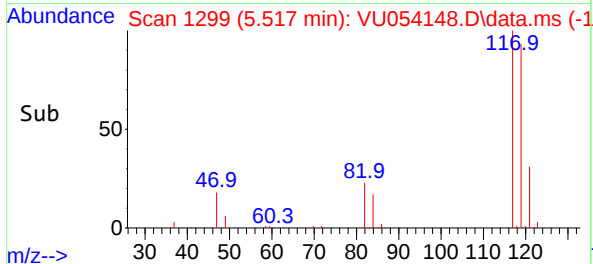
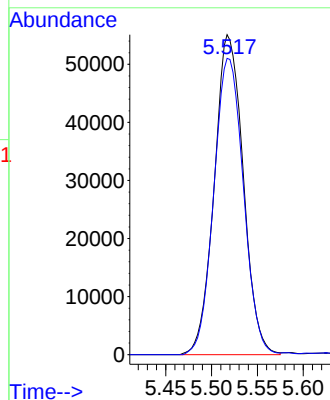
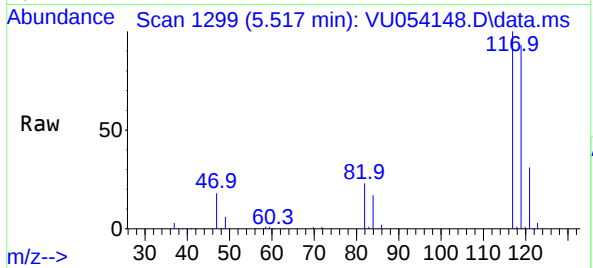




#31
Carbon tetrachloride
Concen: 49.926 ug/L
RT: 5.517 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

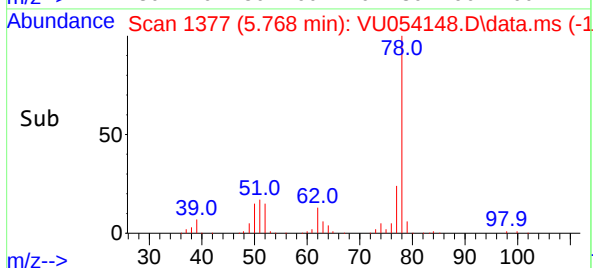
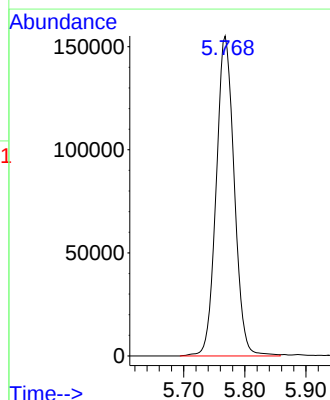
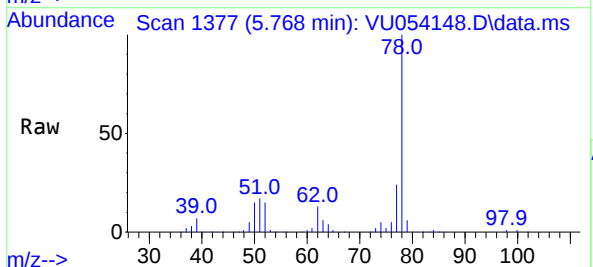
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

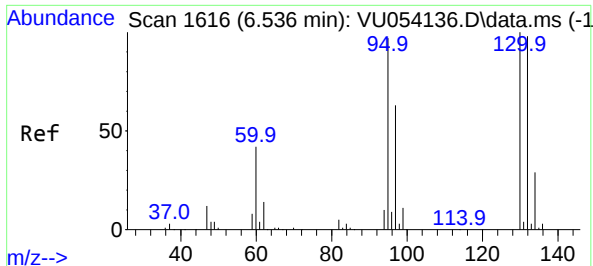
Tgt Ion:117 Resp: 120742
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.6



#33
Benzene
Concen: 48.097 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 78 Resp: 318391

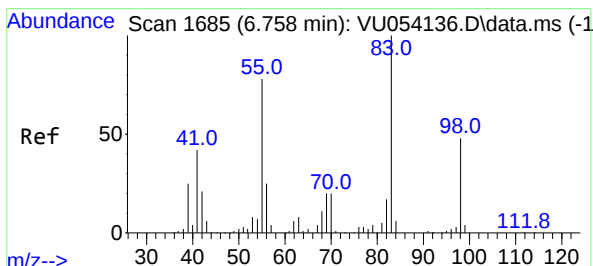
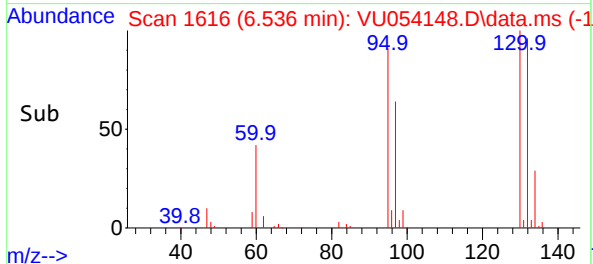
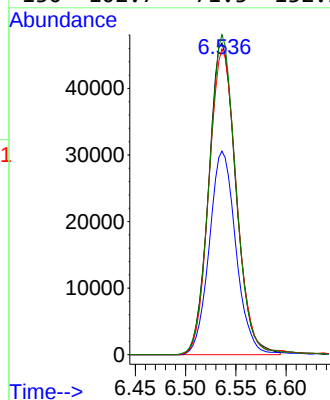
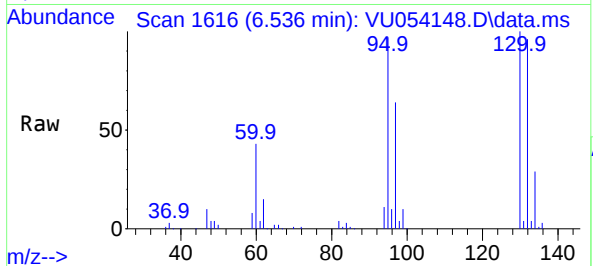




#34
Trichloroethene
Concen: 50.302 ug/L
RT: 6.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

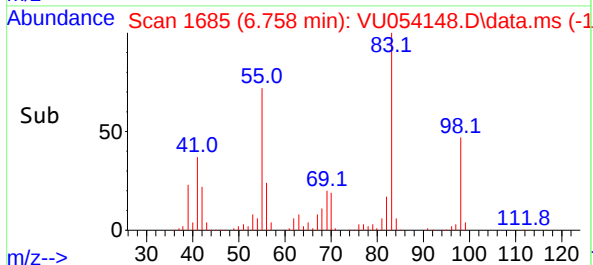
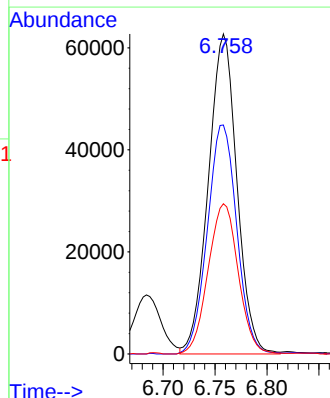
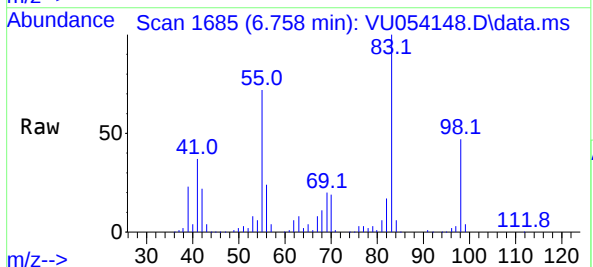
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

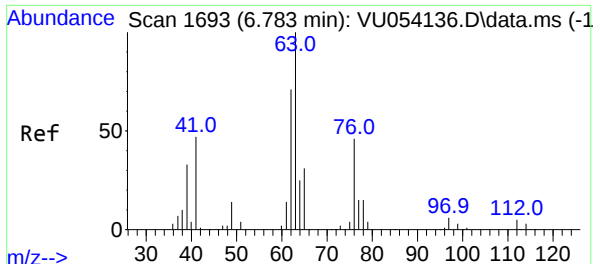
Tgt Ion: 95 Resp: 88378
Ion Ratio Lower Upper
95 100
97 65.3 46.5 86.3
132 98.1 67.8 126.0
130 102.7 71.3 132.3



#35
Methylcyclohexane
Concen: 48.682 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 83 Resp: 119957
Ion Ratio Lower Upper
83 100
55 73.7 61.8 92.6
98 49.5 38.4 57.6

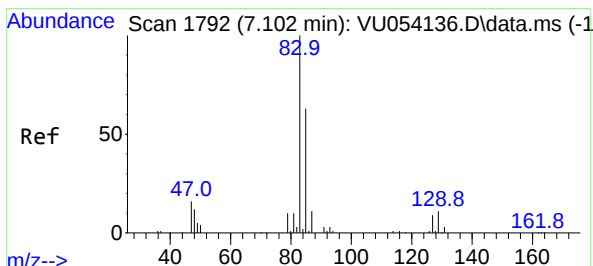
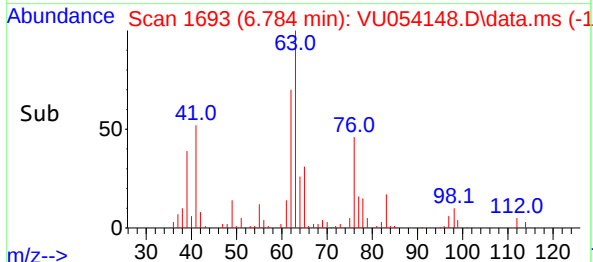
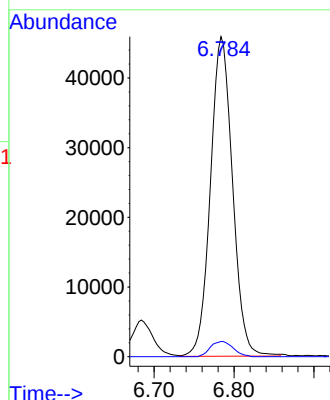
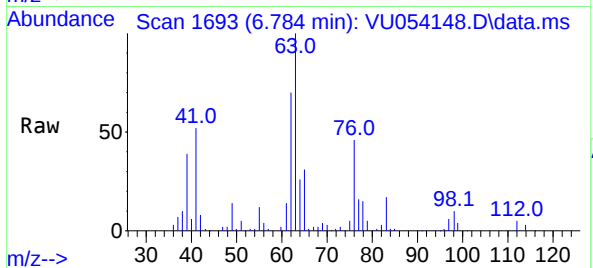




#37
1,2-Dichloropropane
Concen: 47.007 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

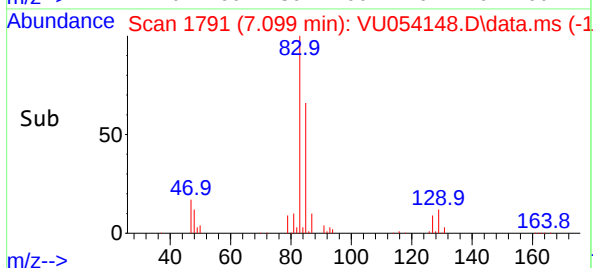
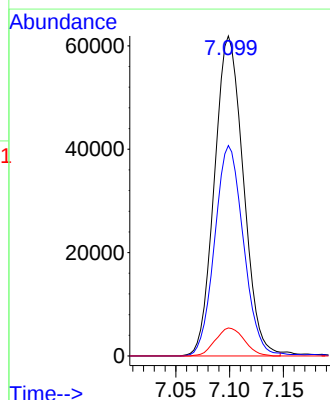
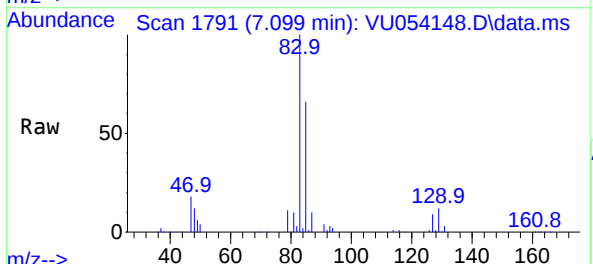
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

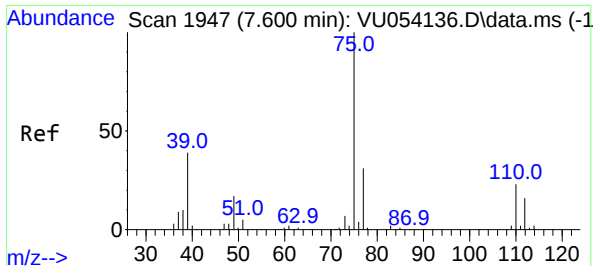
Tgt Ion: 63 Resp: 88037
Ion Ratio Lower Upper
63 100
112 4.9 3.4 5.0



#38
Bromodichloromethane
Concen: 49.018 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 83 Resp: 115660
Ion Ratio Lower Upper
83 100
85 65.7 45.0 83.6
127 8.8 7.1 10.7

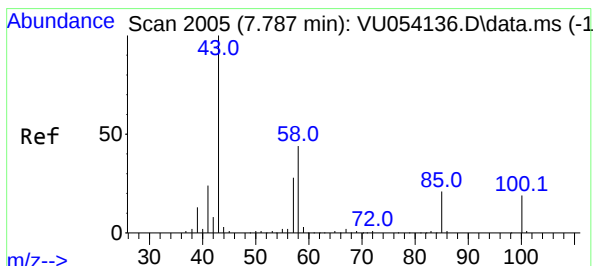
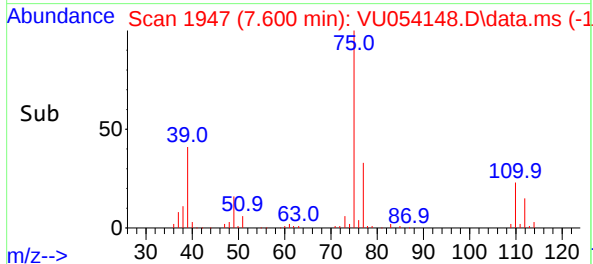
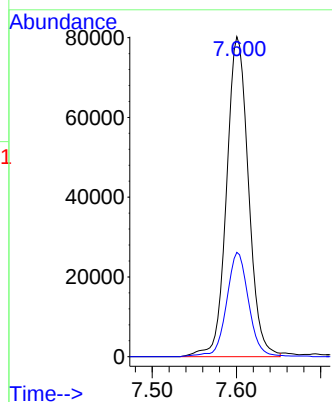
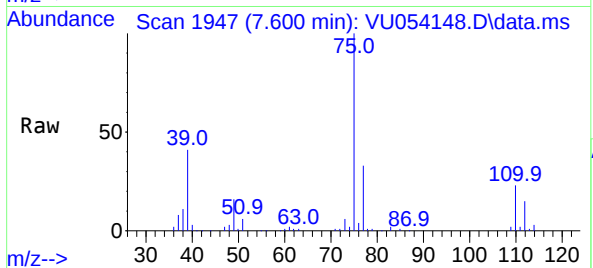




#39
 cis-1,3-Dichloropropene
 Concen: 49.435 ug/L
 RT: 7.600 min Scan# 1947
 Delta R.T. -0.003 min
 Lab File: VU054148.D
 Acq: 10 May 2023 17:17

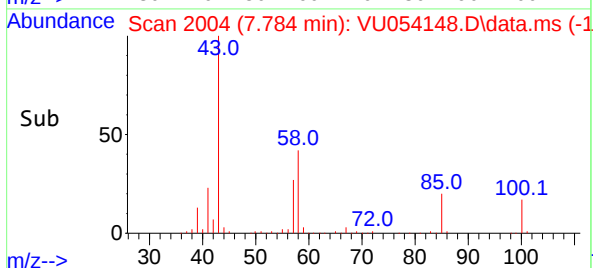
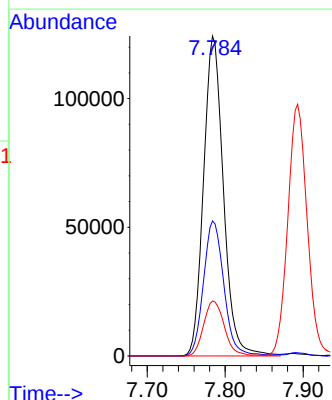
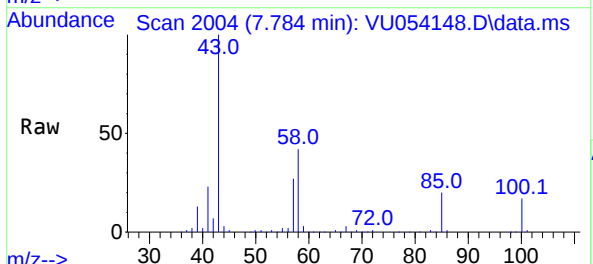
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050099

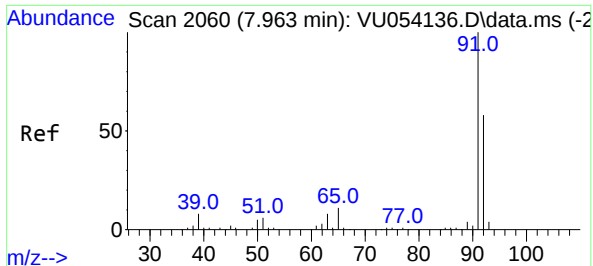
Tgt Ion: 75 Resp: 144834
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 101.015 ug/L
 RT: 7.784 min Scan# 2004
 Delta R.T. -0.003 min
 Lab File: VU054148.D
 Acq: 10 May 2023 17:17

Tgt Ion: 43 Resp: 220469
 Ion Ratio Lower Upper
 43 100
 58 43.2 34.5 51.7
 100 17.9 13.8 20.6

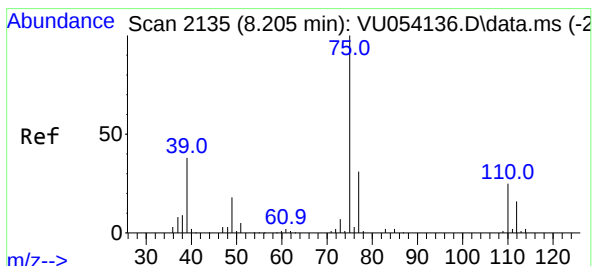
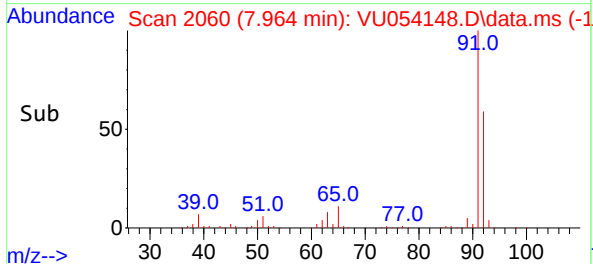
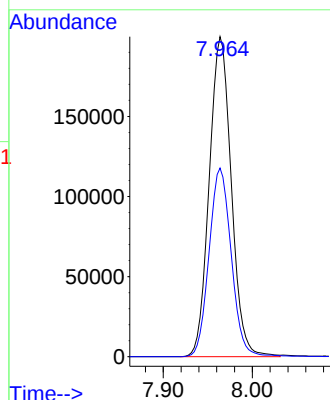
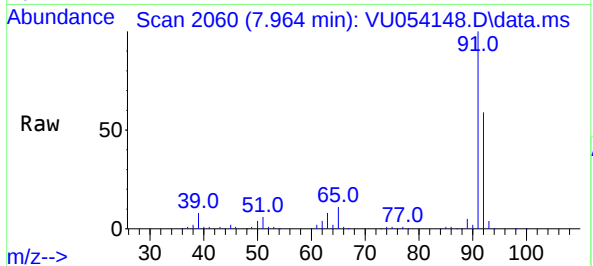




#42
Toluene
Concen: 49.883 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

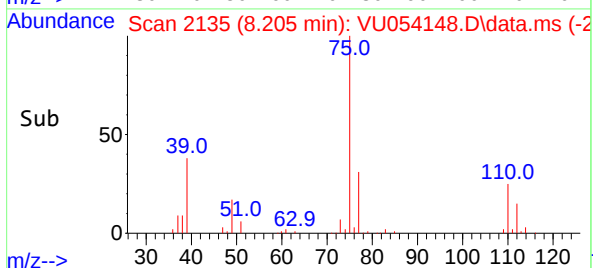
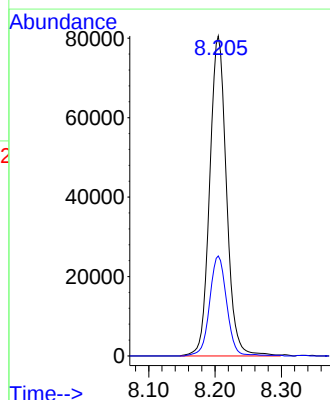
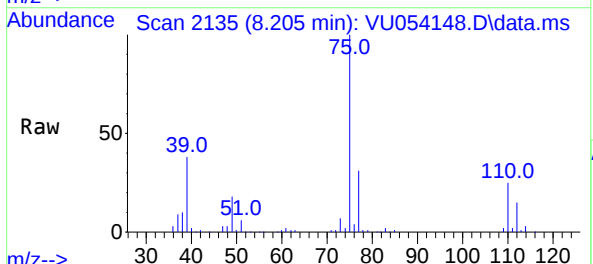
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

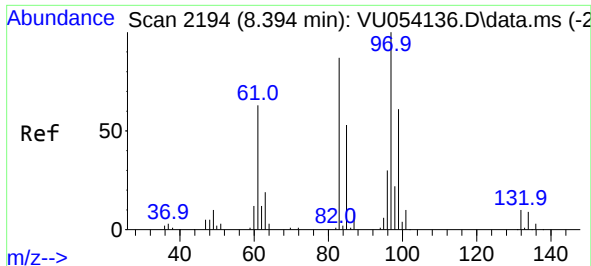
Tgt Ion: 91 Resp: 343766
Ion Ratio Lower Upper
91 100
92 59.0 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 50.952 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 75 Resp: 141866
Ion Ratio Lower Upper
75 100
77 31.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 49.084 ug/L

RT: 8.395 min Scan# 2194

Delta R.T. 0.000 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050099

Tgt Ion: 97 Resp: 88978

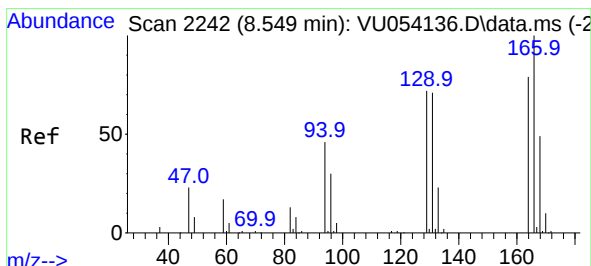
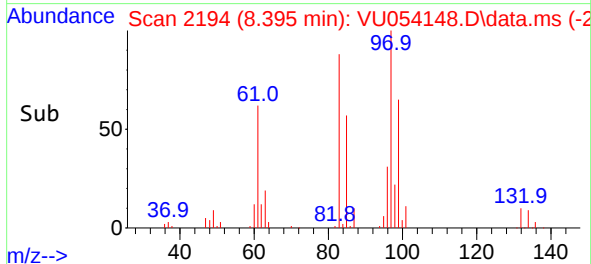
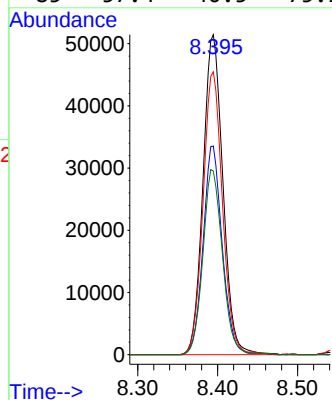
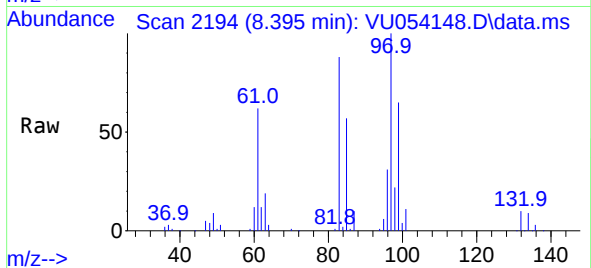
Ion Ratio Lower Upper

97 100

99 65.2 46.2 85.8

83 88.4 62.7 116.5

85 57.4 40.5 75.1



#46

Tetrachloroethene

Concen: 49.767 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

Tgt Ion:164 Resp: 69368

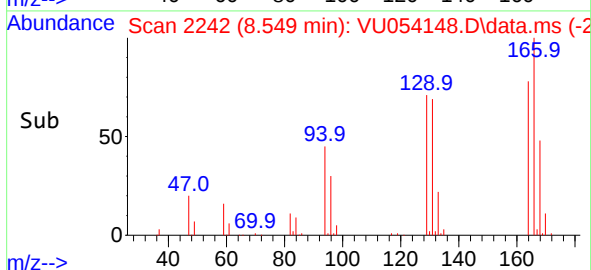
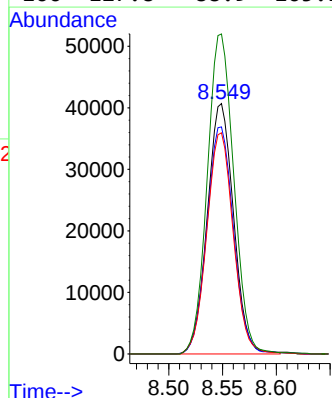
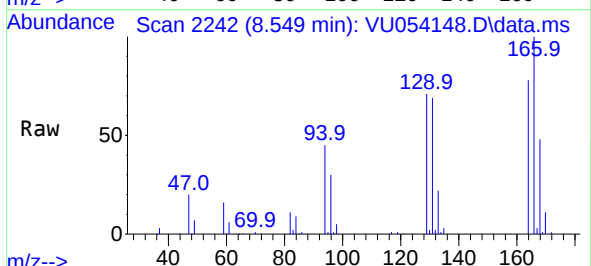
Ion Ratio Lower Upper

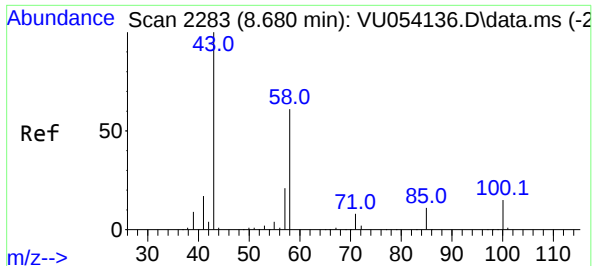
164 100

129 90.7 65.6 121.8

131 88.3 63.8 118.4

166 127.8 88.9 165.1



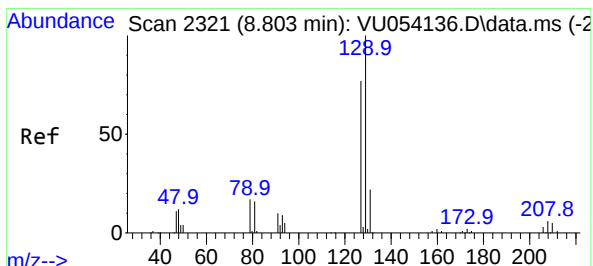
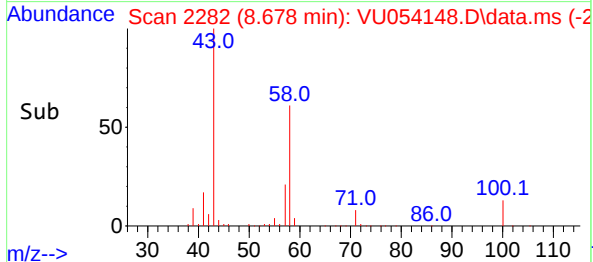
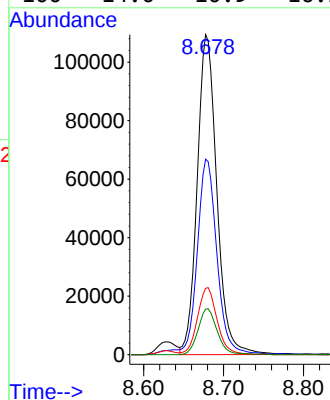
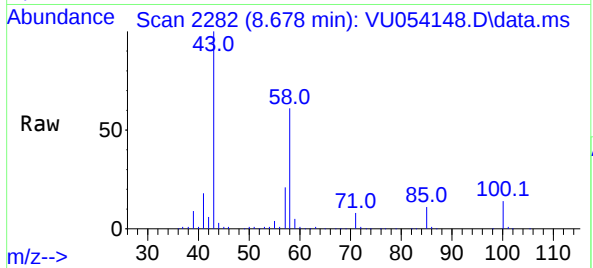


#48
2-Hexanone
Concen: 108.271 ug/L
RT: 8.678 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

Tgt Ion: 43 Resp: 187273

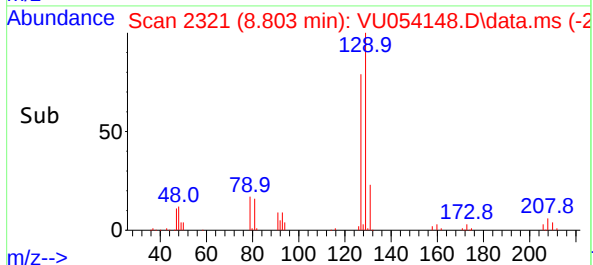
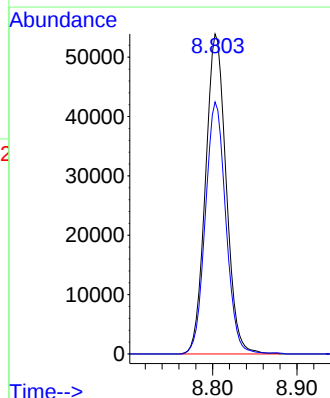
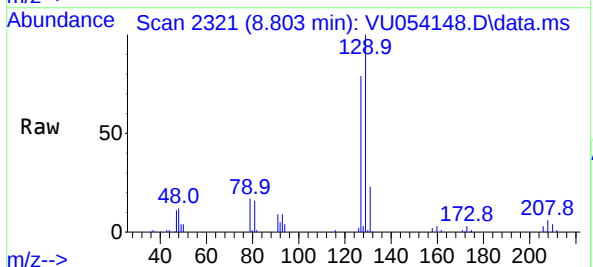
Ion	Ratio	Lower	Upper
43	100		
58	60.5	48.5	72.7
57	20.8	16.5	24.7
100	14.0	10.9	16.3

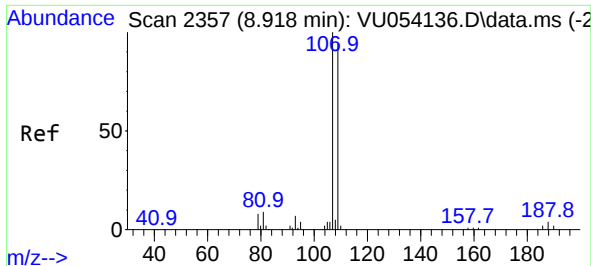


#49
Dibromochloromethane
Concen: 51.400 ug/L
RT: 8.803 min Scan# 2321
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 129 Resp: 91815

Ion	Ratio	Lower	Upper
129	100		
127	78.7	52.9	98.3

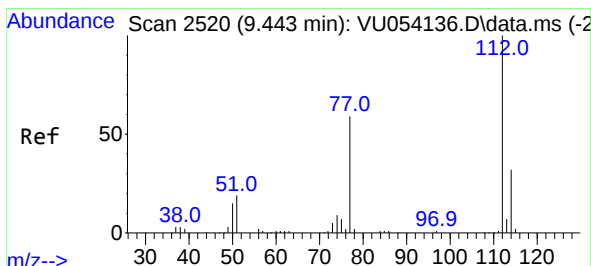
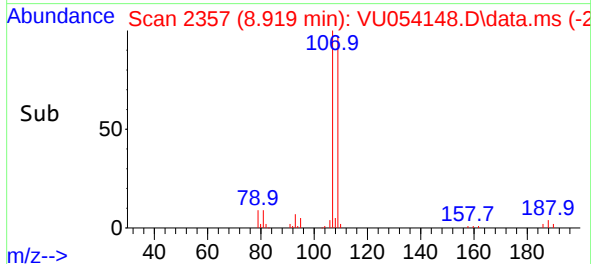
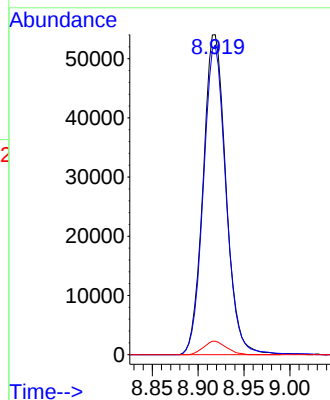
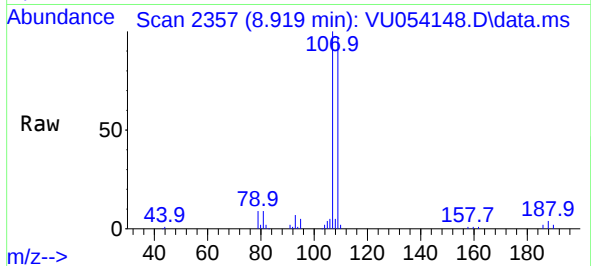




#50
1,2-Dibromoethane
Concen: 51.028 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

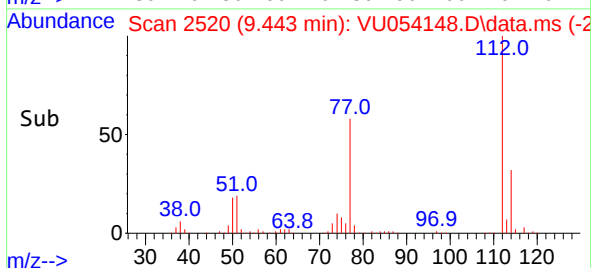
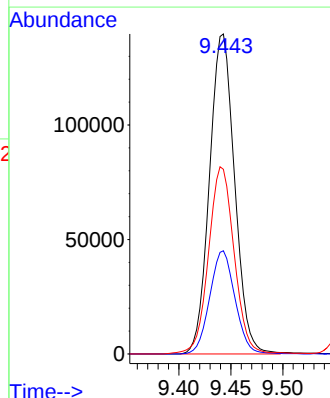
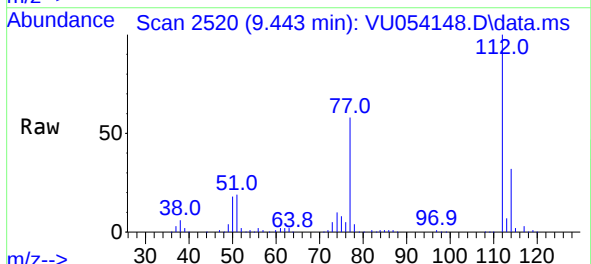
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

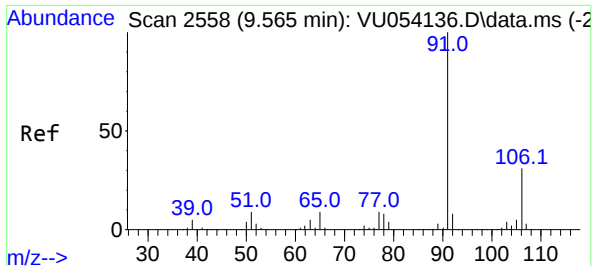
Tgt Ion:107 Resp: 93890
Ion Ratio Lower Upper
107 100
109 96.7 66.1 122.8
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 51.034 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion:112 Resp: 235232
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.3
77 57.7 47.0 70.4

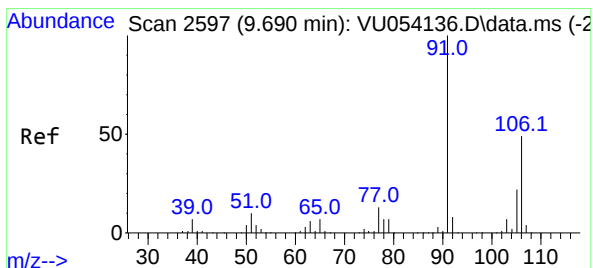
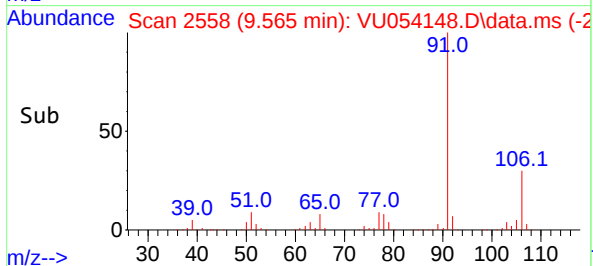
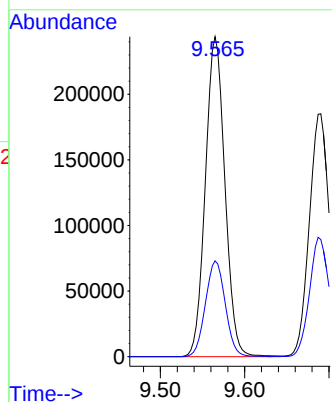
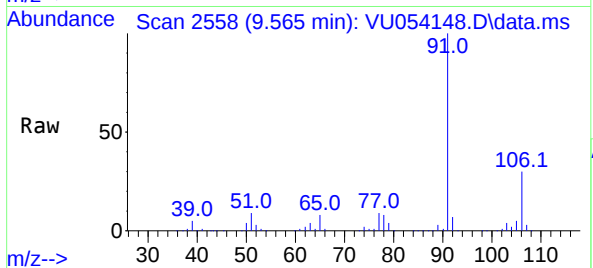




#52
Ethylbenzene
Concen: 50.734 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

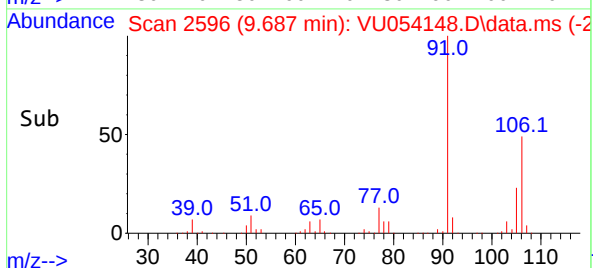
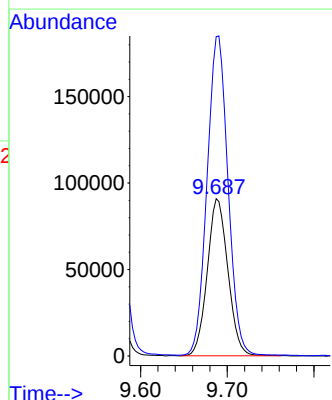
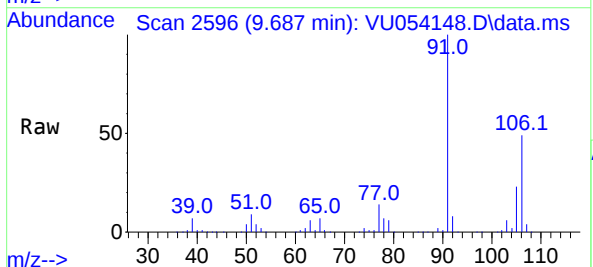
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

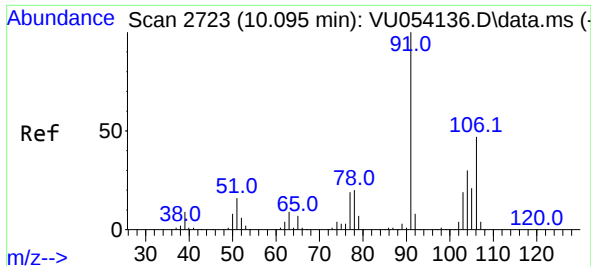
Tgt Ion: 91 Resp: 393504
Ion Ratio Lower Upper
91 100
106 30.0 21.3 39.6



#53
m,p-Xylene
Concen: 51.602 ug/L
RT: 9.687 min Scan# 2596
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion:106 Resp: 150290
Ion Ratio Lower Upper
106 100
91 203.1 140.5 260.9

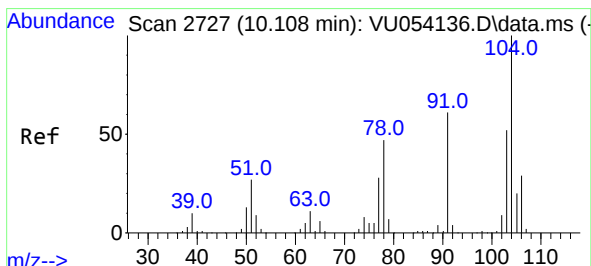
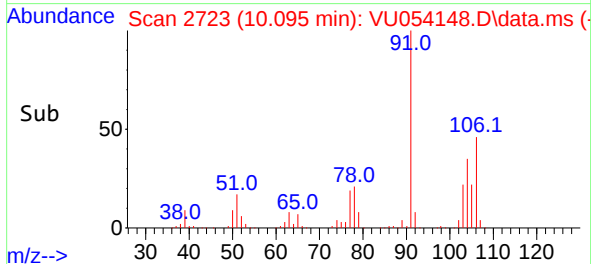
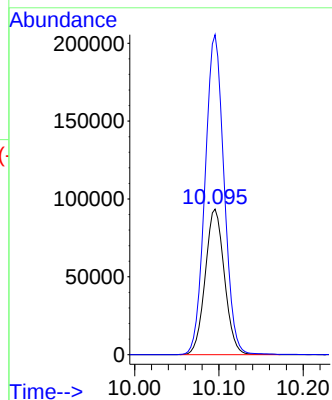
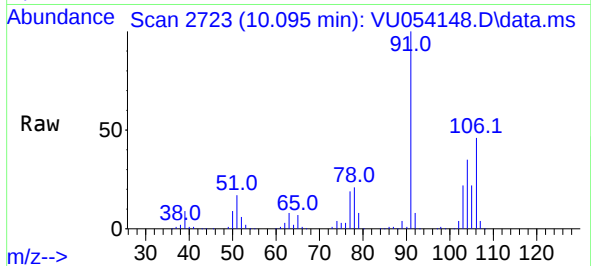




#54
o-Xylene
Concen: 52.174 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

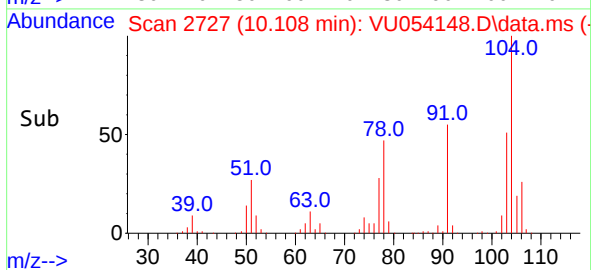
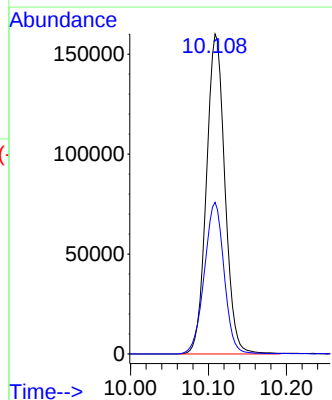
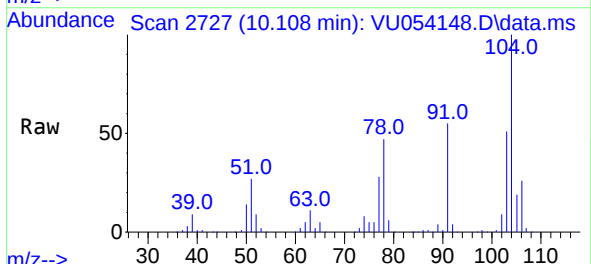
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

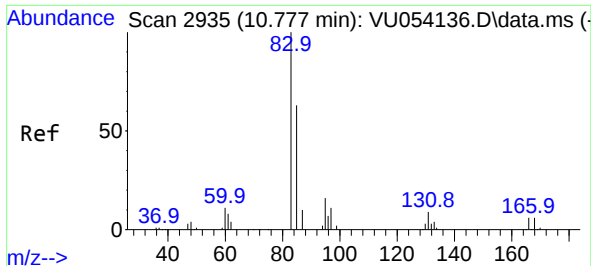
Tgt Ion:106 Resp: 148662
Ion Ratio Lower Upper
106 100
91 219.7 154.9 287.7



#55
Styrene
Concen: 54.016 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion:104 Resp: 263988
Ion Ratio Lower Upper
104 100
78 47.4 33.2 61.7

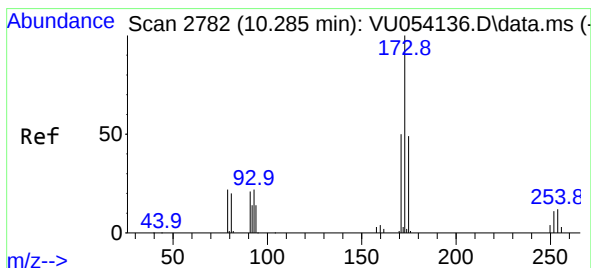
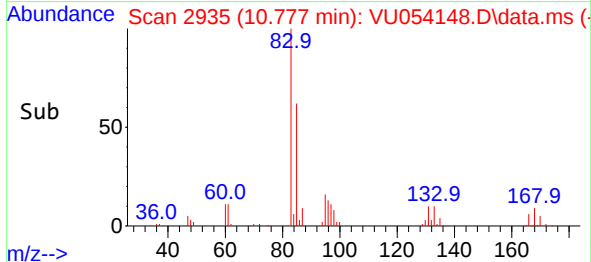
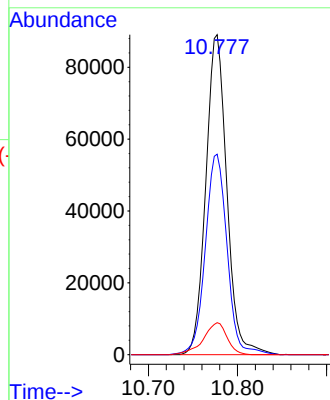
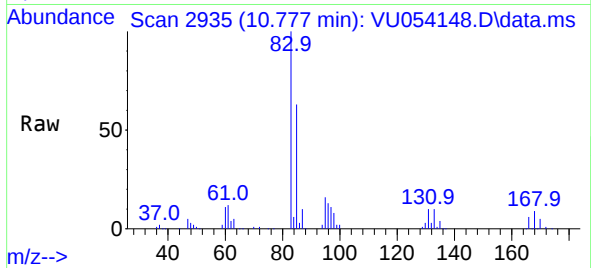




#57
1,1,2,2-Tetrachloroethane
Concen: 51.069 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

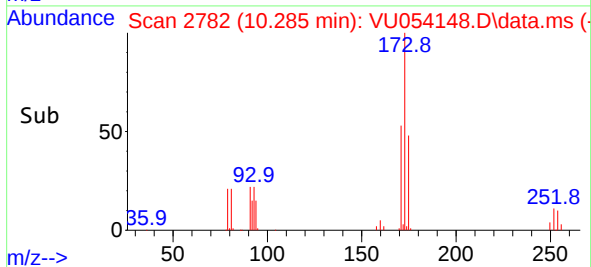
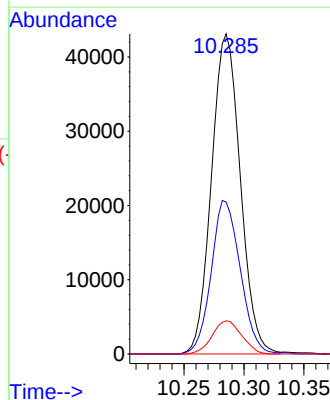
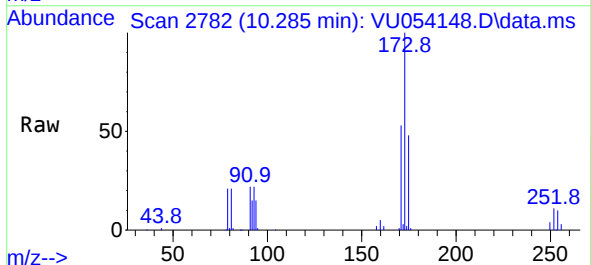
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

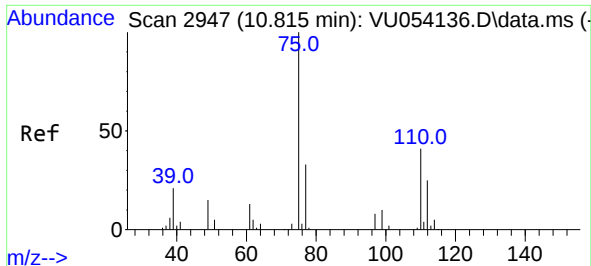
Tgt Ion: 83 Resp: 145833
Ion Ratio Lower Upper
83 100
85 62.6 45.1 83.9
131 10.0 8.2 12.2



#59
Bromoform
Concen: 48.124 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion:173 Resp: 71982
Ion Ratio Lower Upper
173 100
175 48.3 38.9 58.3
254 10.6 8.5 12.7

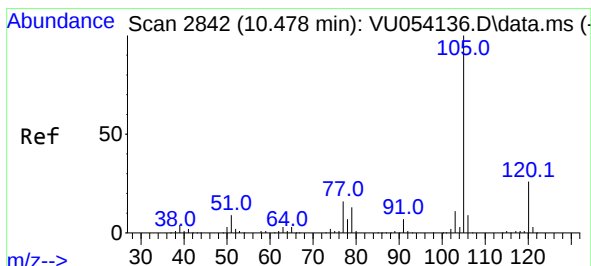
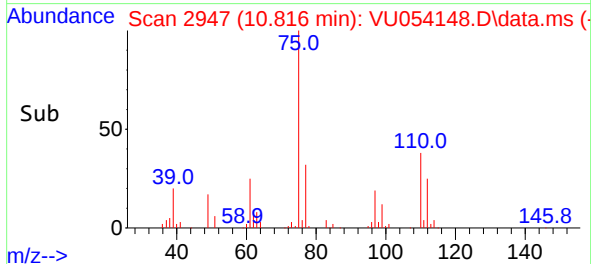
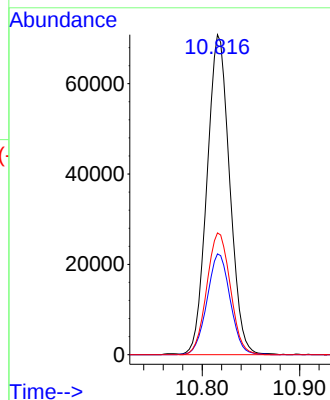
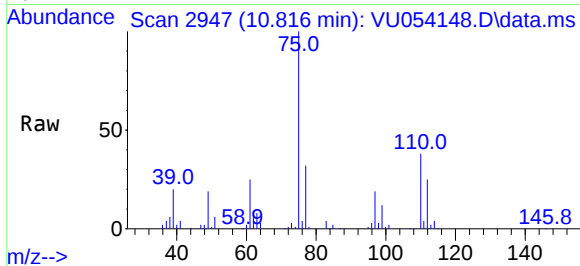




#60
1,2,3-Trichloropropane
Concen: 46.092 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

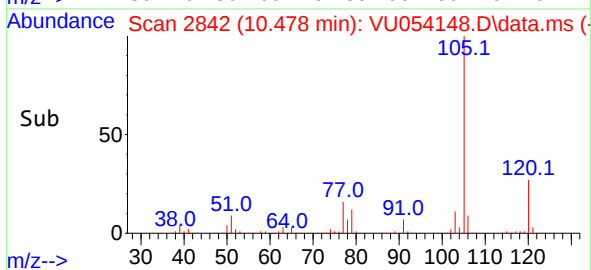
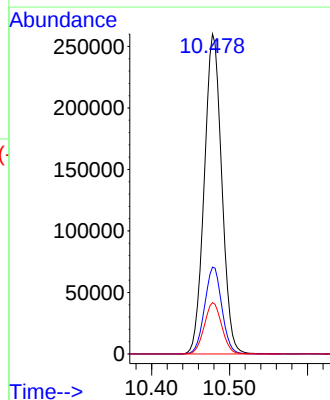
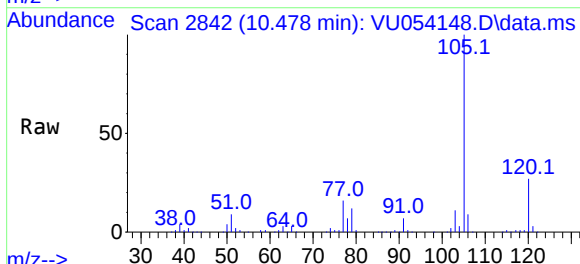
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

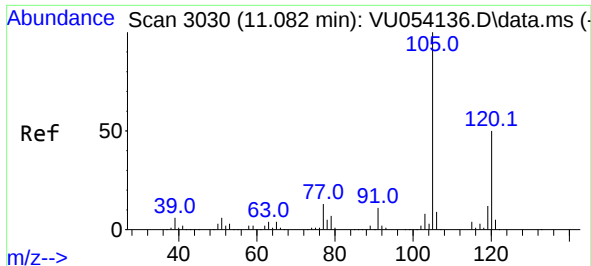
Tgt Ion: 75 Resp: 114383
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 39.6 31.8 47.8



#61
Isopropylbenzene
Concen: 47.977 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion: 105 Resp: 404619
Ion Ratio Lower Upper
105 100
120 26.8 21.3 31.9
77 16.1 12.7 19.1

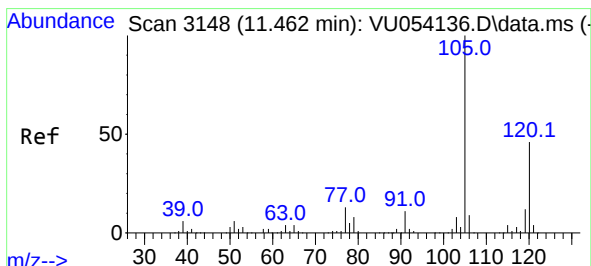
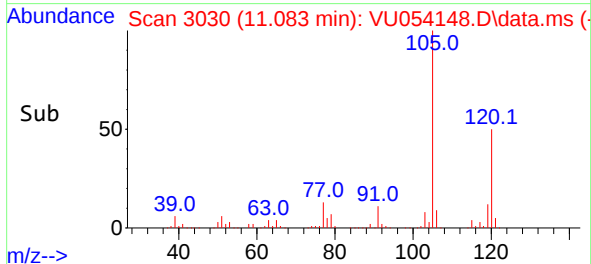
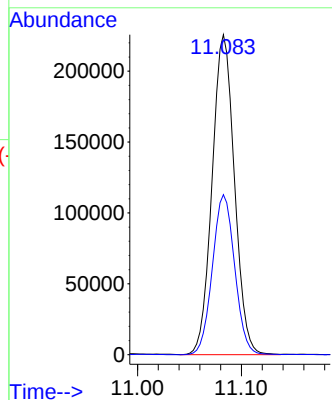
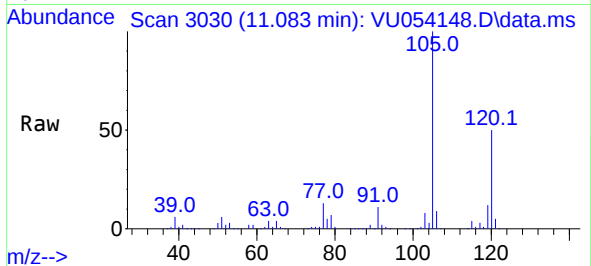




#62
1,3,5-Trimethylbenzene
Concen: 48.780 ug/L
RT: 11.083 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

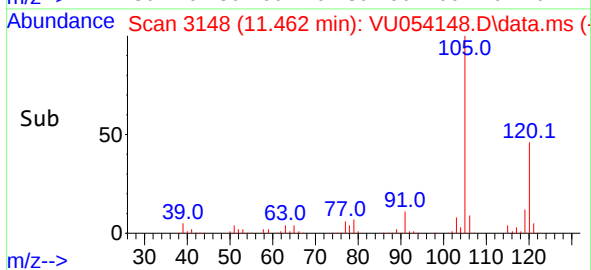
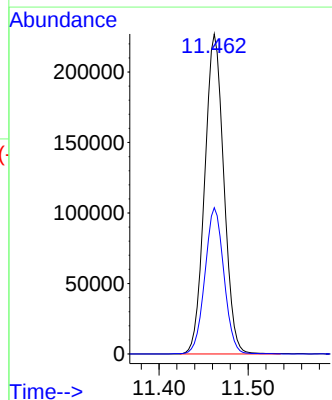
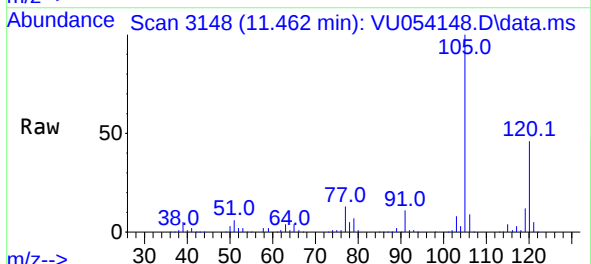
Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

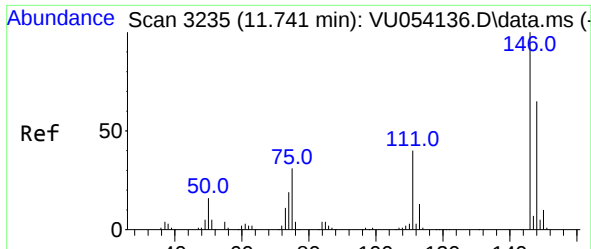
Tgt Ion:105 Resp: 337112
Ion Ratio Lower Upper
105 100
120 49.8 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 49.614 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

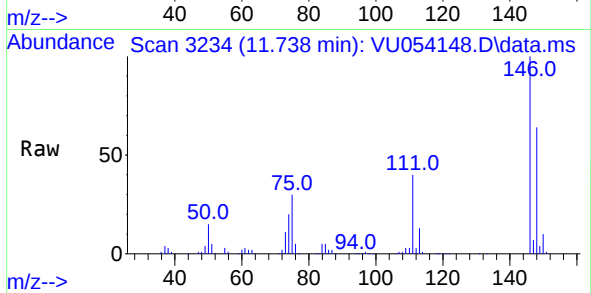
Tgt Ion:105 Resp: 337963
Ion Ratio Lower Upper
105 100
120 45.2 36.5 54.7



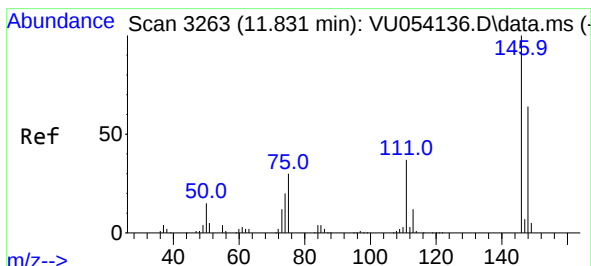
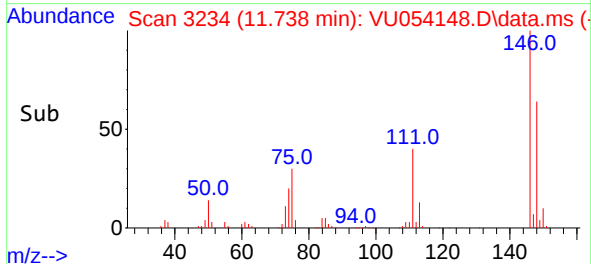
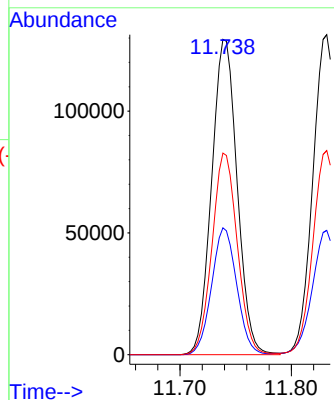


#64
1,3-Dichlorobenzene
Concen: 49.939 ug/L
RT: 11.738 min Scan# 311
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

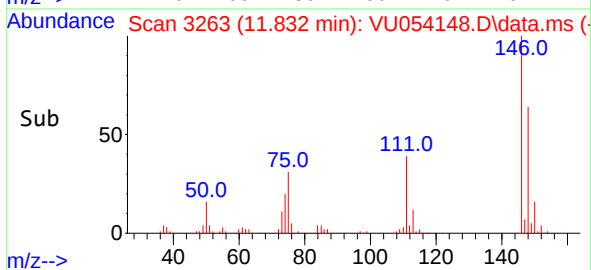
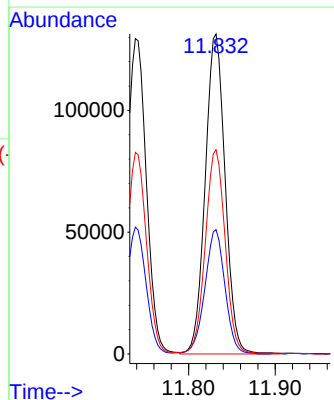
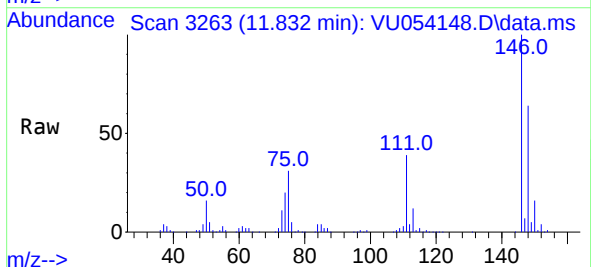


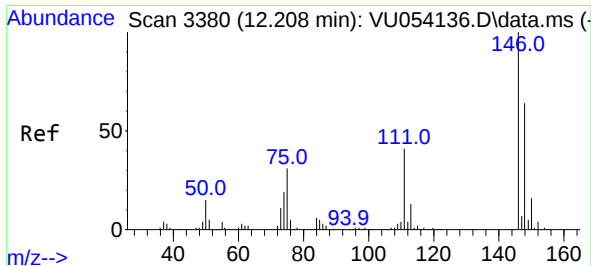
Tgt Ion:146 Resp: 205983
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.7
148 63.9 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 50.076 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion:146 Resp: 210357
Ion Ratio Lower Upper
146 100
111 38.9 27.9 51.7
148 63.8 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 49.477 ug/L

RT: 12.205 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD050099

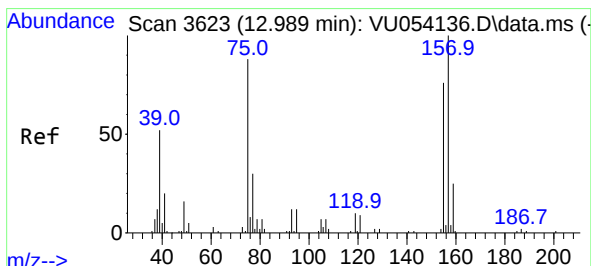
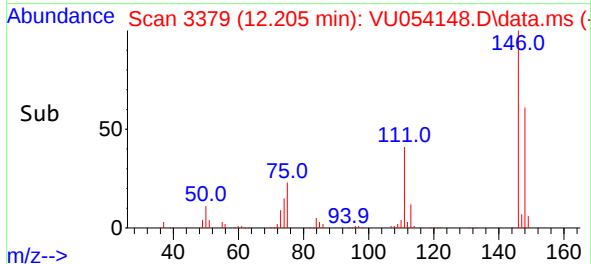
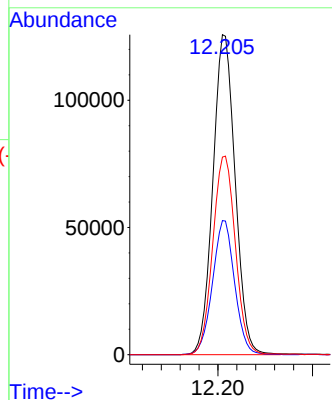
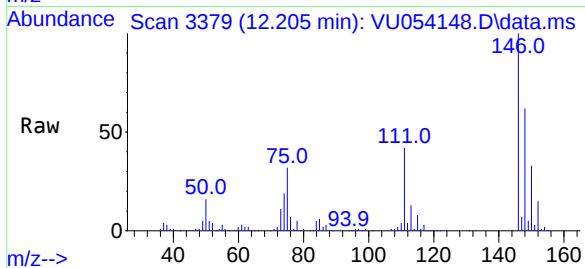
Tgt Ion:146 Resp: 205962

Ion Ratio Lower Upper

146 100

111 41.9 33.4 50.0

148 61.7 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.039 ug/L

RT: 12.989 min Scan# 3623

Delta R.T. -0.003 min

Lab File: VU054148.D

Acq: 10 May 2023 17:17

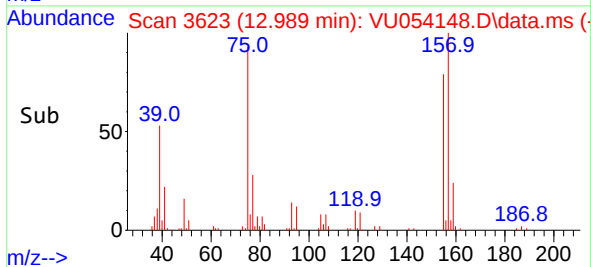
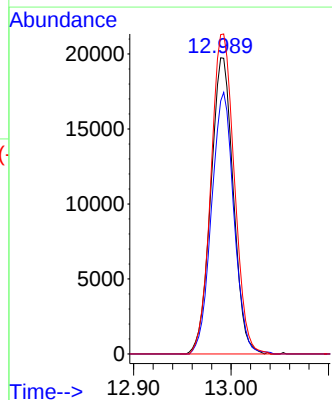
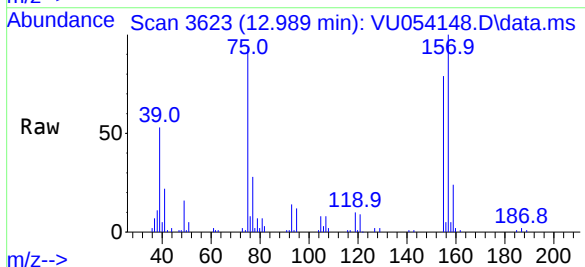
Tgt Ion: 75 Resp: 31680

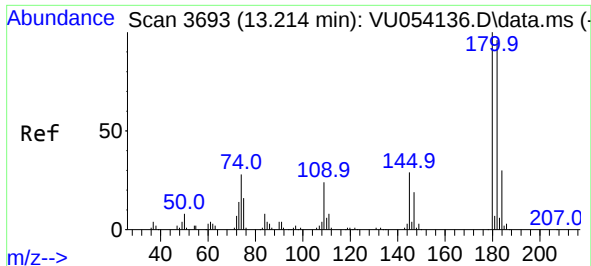
Ion Ratio Lower Upper

75 100

155 85.4 67.8 101.6

157 107.9 88.3 132.5



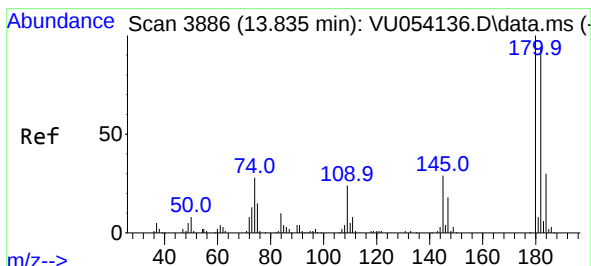
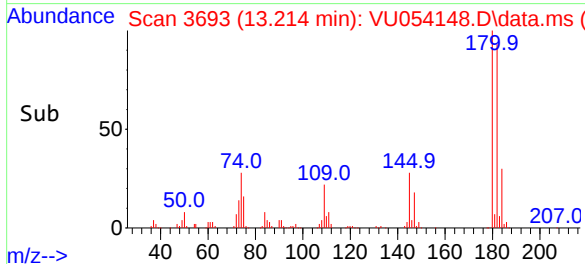
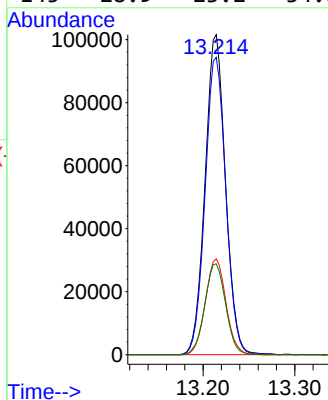
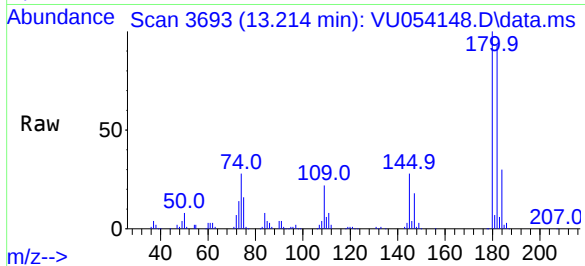


#69
 1,3,5-Trichlorobenzene
 Concen: 52.813 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU054148.D
 Acq: 10 May 2023 17:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050099

Tgt Ion:180 Resp: 157853

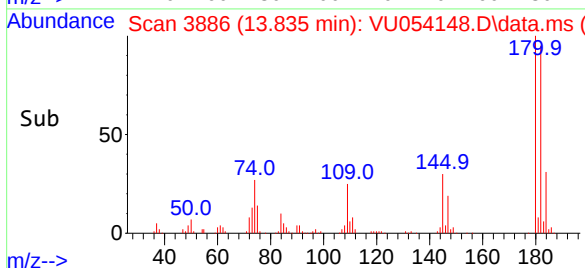
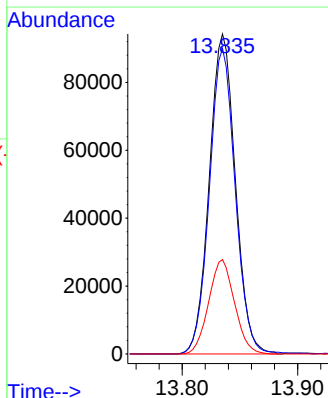
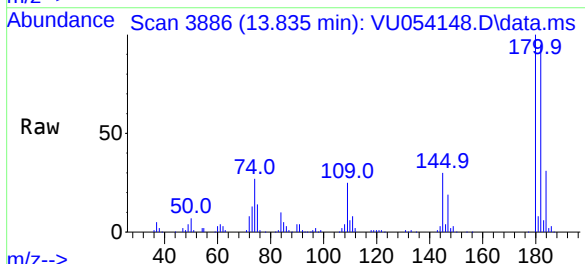
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.0	114.0
184	30.2	24.2	36.2
145	28.9	23.2	34.8

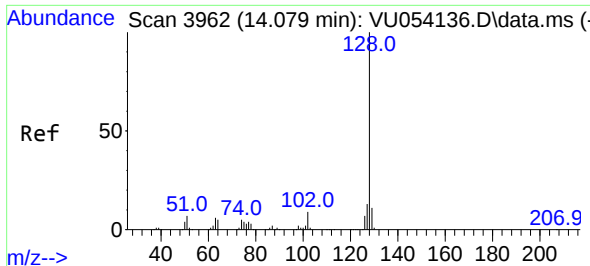


#70
 1,2,4-trichlorobenzene
 Concen: 54.485 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU054148.D
 Acq: 10 May 2023 17:17

Tgt Ion:180 Resp: 147636

Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.4	116.2
145	29.2	23.8	35.8

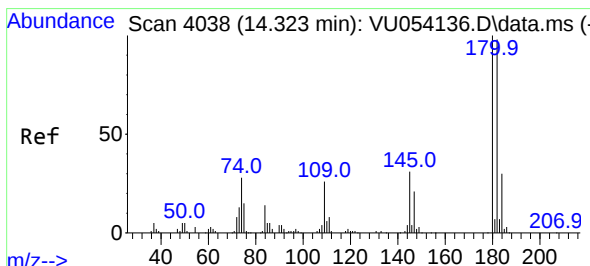
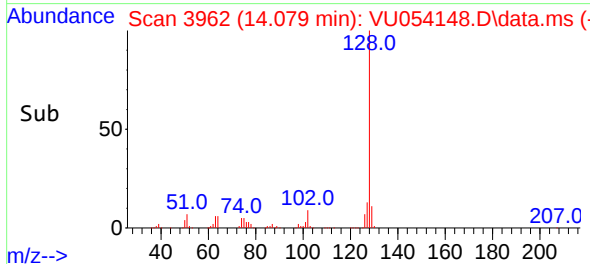
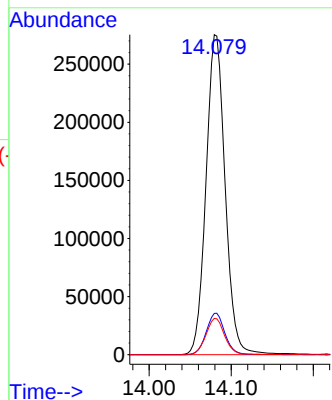
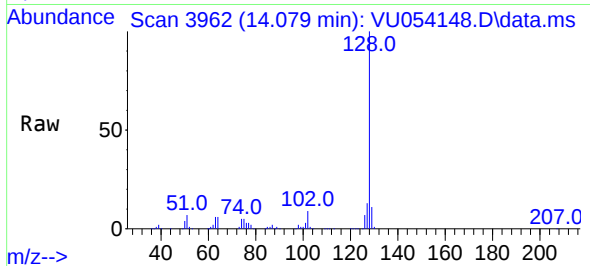




#71
Naphthalene
Concen: 56.823 ug/L
RT: 14.079 min Scan# 3962
Delta R.T. -0.003 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD050099

Tgt Ion:128 Resp: 446591
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 11.1 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 55.677 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054148.D
Acq: 10 May 2023 17:17

Tgt Ion:180 Resp: 150075
Ion Ratio Lower Upper
180 100
182 96.5 76.6 114.8
145 31.8 24.9 37.3

