

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050823\Not Reviewed Data\
 Data File : VU054095.D
 Acq On : 08 May 2023 21:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050094

Quant Time: May 09 15:18:14 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	224150	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	211984	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	118971	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	66272	39.092	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.180%
7) Chloroethane-d5	1.906	69	57933	52.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.120%
11) 1,1-Dichloroethene-d2	2.565	63	129470	43.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.120%
21) 2-Butanone-d5	4.616	46	105621	109.240	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.240%
24) Chloroform-d	5.057	84	151579	48.684	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.360%
26) 1,2-Dichloroethane-d4	5.697	65	96309	48.176	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.360%
32) Benzene-d6	5.719	84	281978	45.190	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.380%
36) 1,2-Dichloropropane-d6	6.684	67	91519	46.460	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.920%
41) Toluene-d8	7.893	98	257038	45.627	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.260%
43) trans-1,3-Dichloroprop...	8.173	79	45994	47.182	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.360%
47) 2-Hexanone-d5	8.626	63	70015	99.236	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.240%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	130786	50.405	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.820%
66) 1,2-Dichlorobenzene-d4	12.188	152	110098	47.372	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	71362	44.126	ug/L	98
3) Chloromethane	1.517	50	63953	43.028	ug/L	98
5) Vinyl chloride	1.604	62	72348	45.765	ug/L	97
6) Bromomethane	1.848	94	37679	42.757	ug/L	99
8) Chloroethane	1.928	64	46466	53.939	ug/L	95
9) Trichlorofluoromethane	2.134	101	117785	46.952	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	69288	46.182	ug/L	98
12) 1,1-Dichloroethene	2.578	96	61417	47.236	ug/L	89
13) Acetone	2.623	43	68406	72.081	ug/L	98
14) Carbon disulfide	2.787	76	127166	44.066	ug/L	98
15) Methyl Acetate	2.944	43	76515	51.483	ug/L	98
16) Methylene chloride	3.041	84	76902	46.896	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	62425	46.953	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	233784	47.830	ug/L	99
19) 1,1-Dichloroethane	3.861	63	136002	47.643	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	77982	47.730	ug/L	96
22) 2-Butanone	4.697	43	105114	93.816	ug/L	95
23) Bromochloromethane	4.967	128	41771	49.315	ug/L	98
25) Chloroform	5.083	83	147536	48.978	ug/L	99

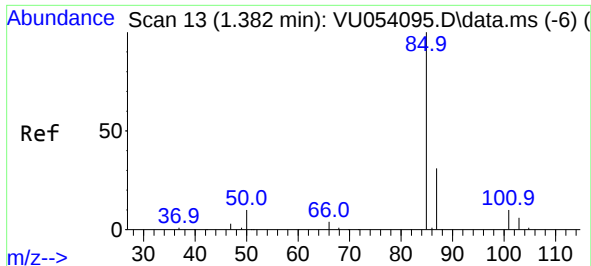
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 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	113110	48.817	ug/L	98
29) Cyclohexane	5.382	56	92539	42.239	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	125299	47.421	ug/L	98
31) Carbon tetrachloride	5.520	117	107938	47.884	ug/L	98
33) Benzene	5.768	78	285234	46.228	ug/L	100
34) Trichloroethene	6.536	95	76154	46.502	ug/L	97
35) Methylcyclohexane	6.758	83	93694	40.794	ug/L	99
37) 1,2-Dichloropropane	6.784	63	79672	45.640	ug/L	99
38) Bromodichloromethane	7.099	83	104807	47.655	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	123774	45.325	ug/L	96
40) 4-Methyl-2-pentanone	7.784	43	199916	98.271	ug/L	99
42) Toluene	7.964	91	298220	46.427	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	117915	45.435	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	80420	47.596	ug/L	97
46) Tetrachloroethene	8.549	164	56349	43.372	ug/L	98
48) 2-Hexanone	8.677	43	159755	99.091	ug/L	98
49) Dibromochloromethane	8.803	129	81512	48.957	ug/L	97
50) 1,2-Dibromoethane	8.919	107	85147	49.648	ug/L	98
51) Chlorobenzene	9.443	112	199665	46.473	ug/L	99
52) Ethylbenzene	9.565	91	334257	46.235	ug/L	100
53) m,p-Xylene	9.690	106	125185	46.114	ug/L	97
54) o-Xylene	10.095	106	126356	47.577	ug/L	97
55) Styrene	10.108	104	218208	47.901	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	129574	48.682	ug/L	99
59) Bromoform	10.285	173	63523	47.692	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	103359	46.772	ug/L	100
61) Isopropylbenzene	10.478	105	337153	44.894	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	271224	44.073	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	270359	44.571	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	162728	44.304	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	163932	43.824	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	168220	45.380	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27400	48.601	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	112427	42.241	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	101033	41.872	ug/L	99
71) Naphthalene	14.082	128	308966	44.147	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	105017	43.753	ug/L	98

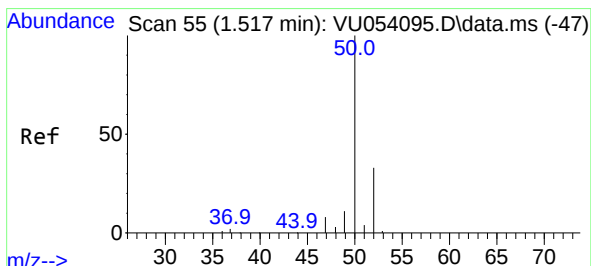
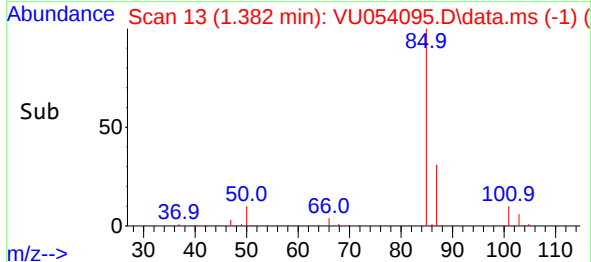
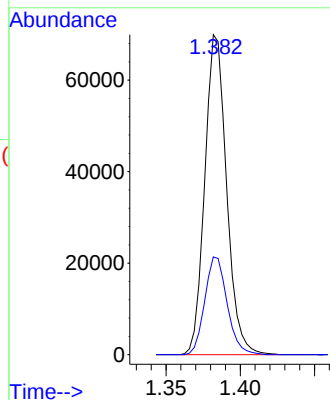
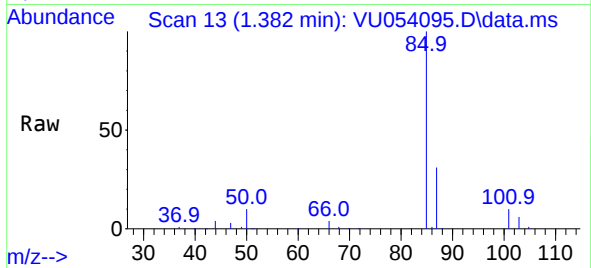
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 44.126 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

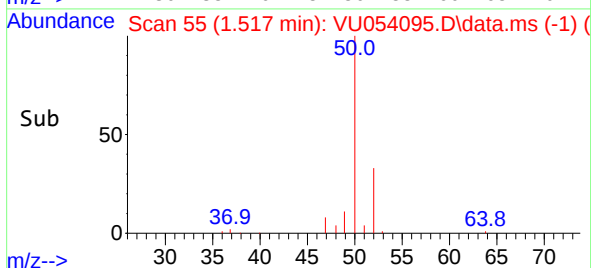
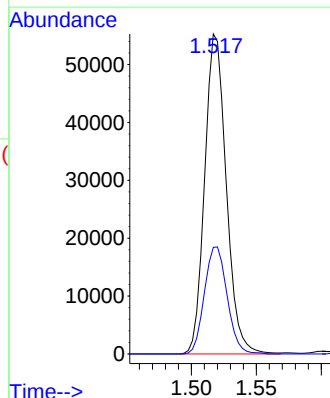
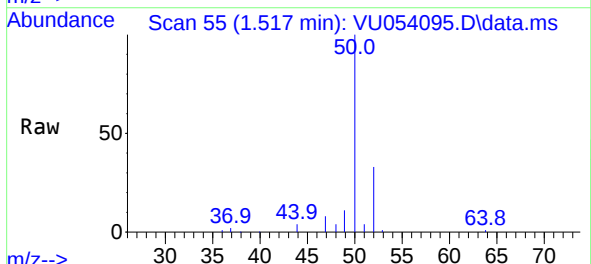
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

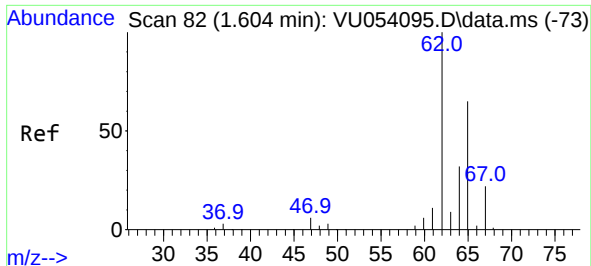
Tgt Ion: 85 Resp: 71362
Ion Ratio Lower Upper
85 100
87 31.3 26.0 39.0



#3
Chloromethane
Concen: 43.028 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 50 Resp: 63953
Ion Ratio Lower Upper
50 100
52 33.3 22.4 41.6

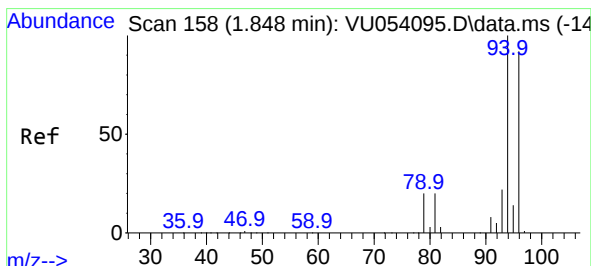
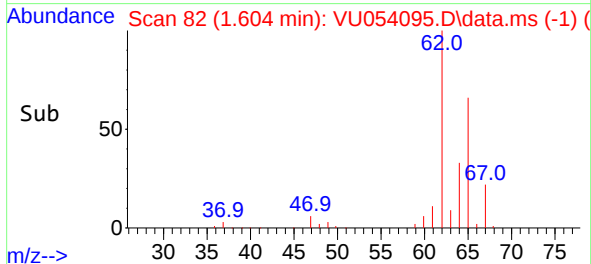
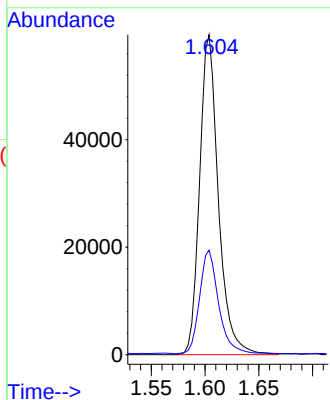
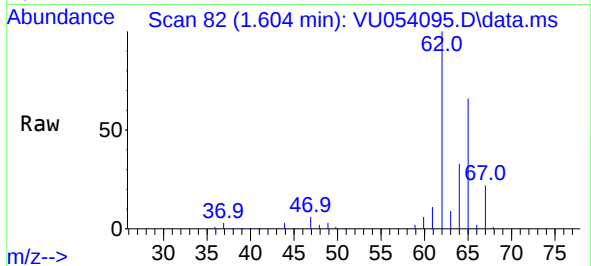




#5
Vinyl chloride
Concen: 45.765 ug/L
RT: 1.604 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

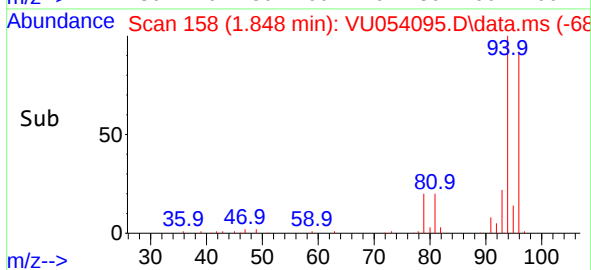
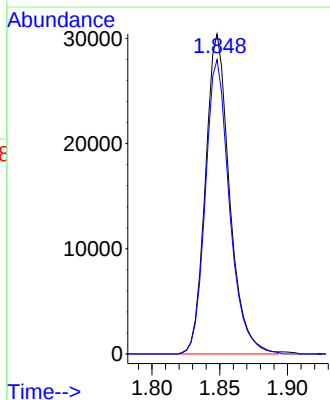
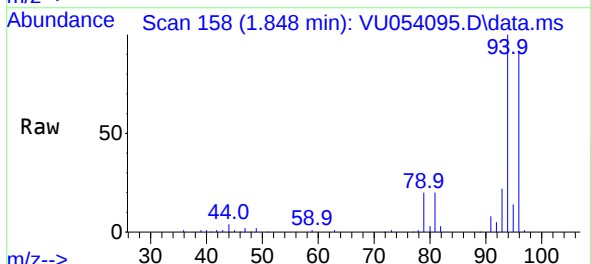
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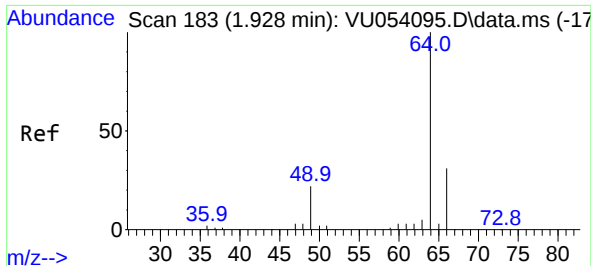
Tgt Ion: 62 Resp: 72348
Ion Ratio Lower Upper
62 100
64 32.7 24.1 44.7



#6
Bromomethane
Concen: 42.757 ug/L
RT: 1.848 min Scan# 158
Delta R.T. -0.010 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 94 Resp: 37679
Ion Ratio Lower Upper
94 100
96 92.0 63.9 118.7

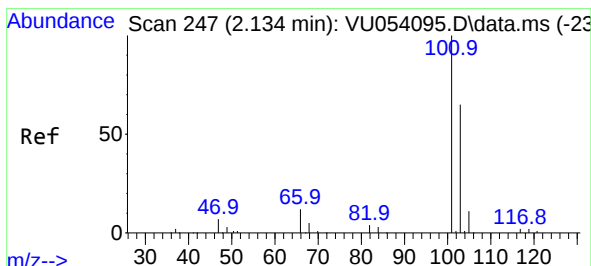
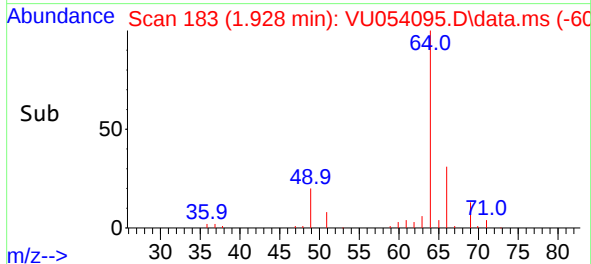
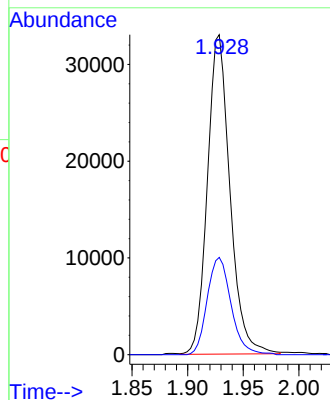
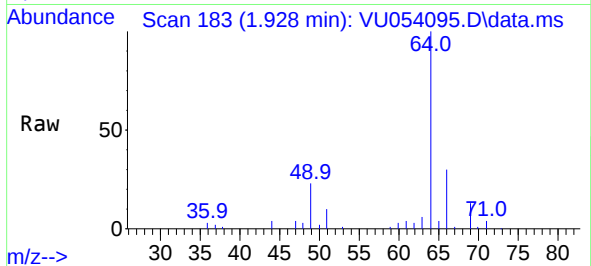




#8
Chloroethane
Concen: 53.939 ug/L
RT: 1.928 min Scan# 183
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

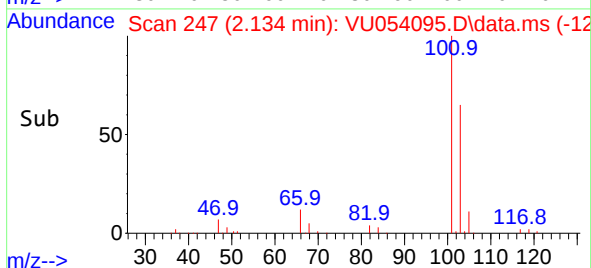
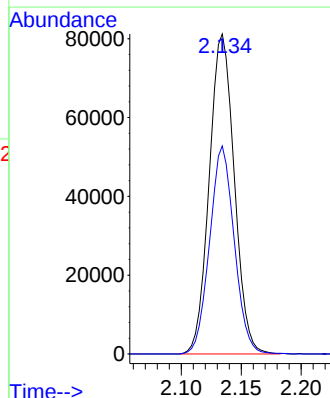
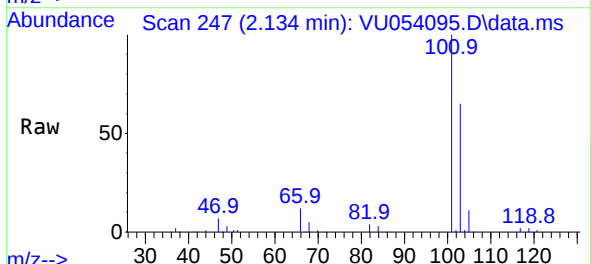
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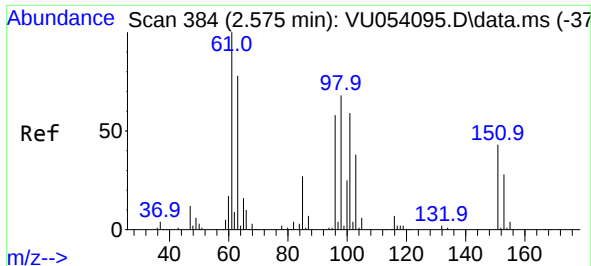
Tgt Ion: 64 Resp: 46466
Ion Ratio Lower Upper
64 100
66 30.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 46.952 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:101 Resp: 117785
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.4

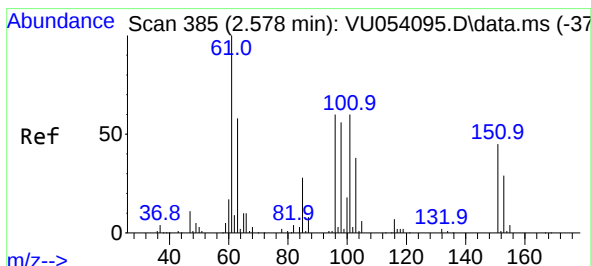
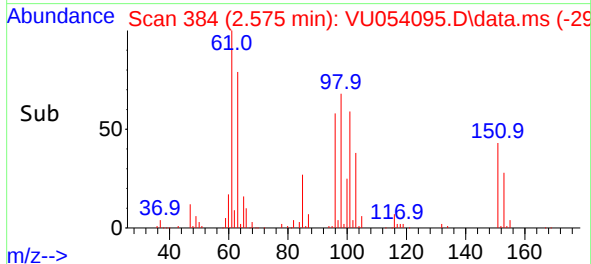
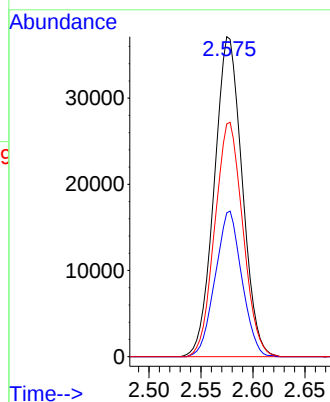
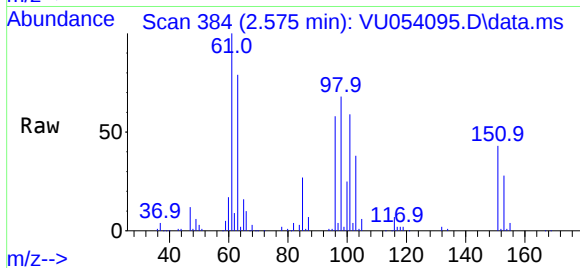




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 46.182 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

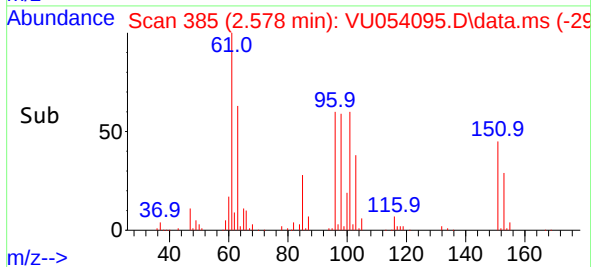
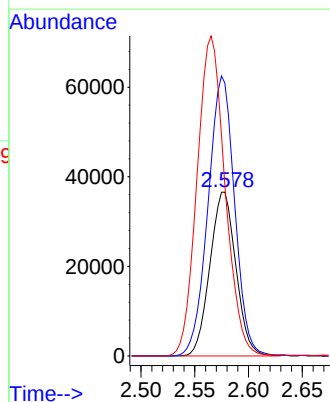
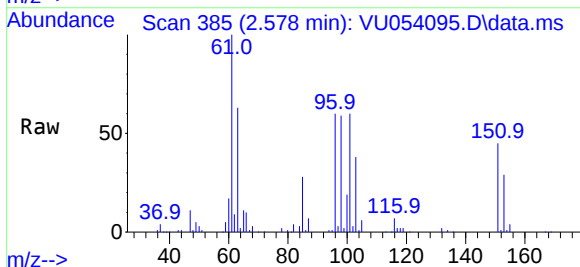
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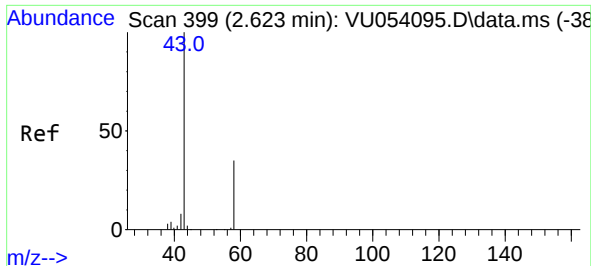
Tgt Ion:101 Resp: 69288
Ion Ratio Lower Upper
101 100
85 43.5 34.3 51.5
151 73.8 60.3 90.5



#12
1,1-Dichloroethene
Concen: 47.236 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 96 Resp: 61417
Ion Ratio Lower Upper
96 100
61 166.6 118.3 219.7
63 104.2 92.3 171.5





#13

Acetone

Concen: 72.081 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.010 min

Lab File: VU054095.D

Acq: 08 May 2023 21:03

Instrument :

MSVOA_U

ClientSampleId :

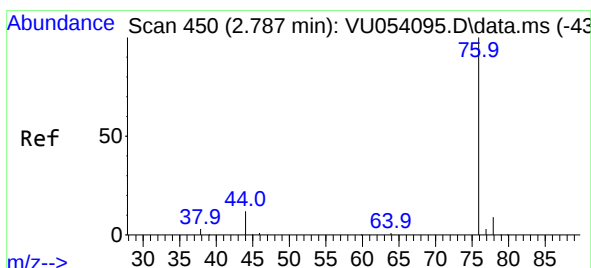
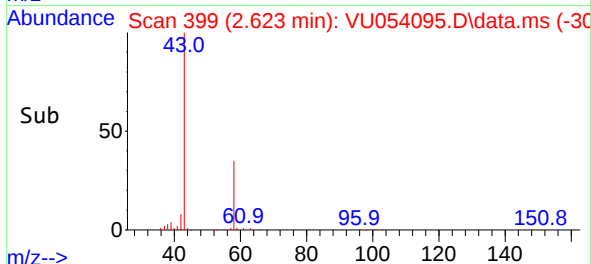
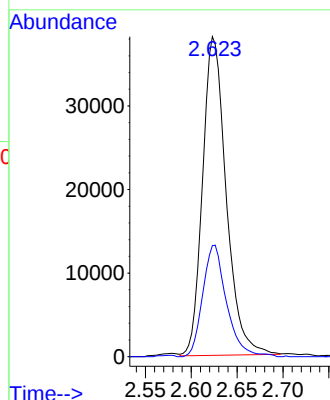
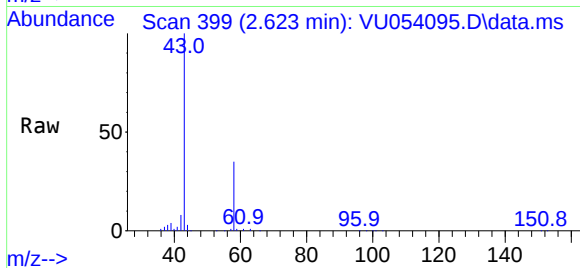
VSTD050094

Tgt Ion: 43 Resp: 68406

Ion Ratio Lower Upper

43 100

58 34.9 0.0 67.4



#14

Carbon disulfide

Concen: 44.066 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU054095.D

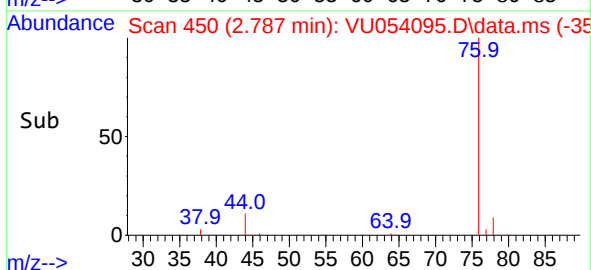
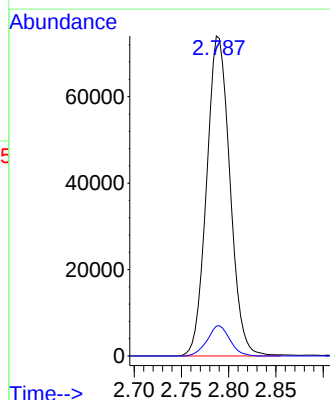
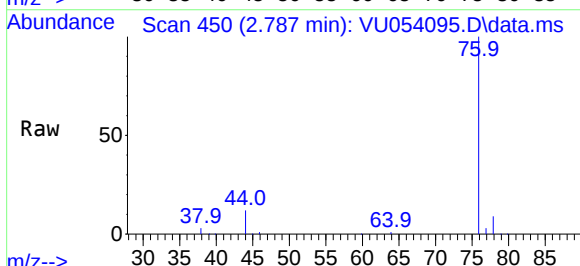
Acq: 08 May 2023 21:03

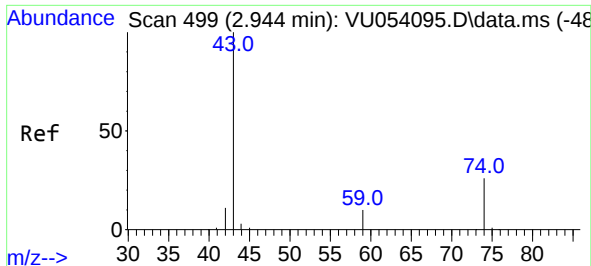
Tgt Ion: 76 Resp: 127166

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

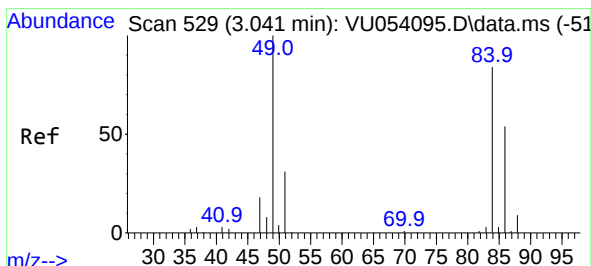
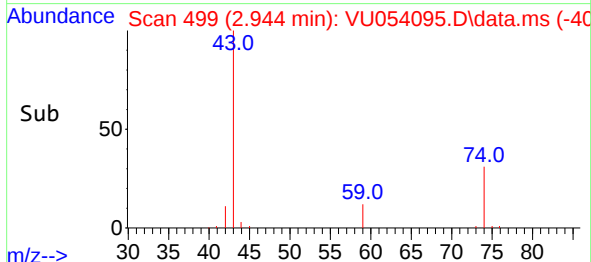
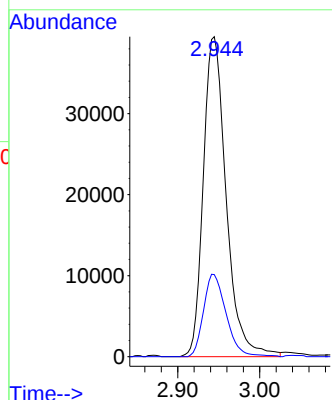
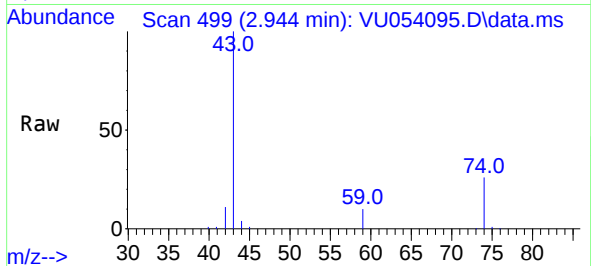




#15
Methyl Acetate
Concen: 51.483 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

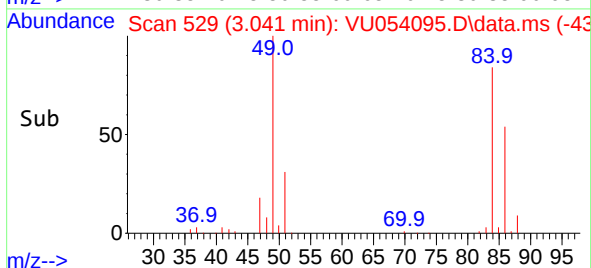
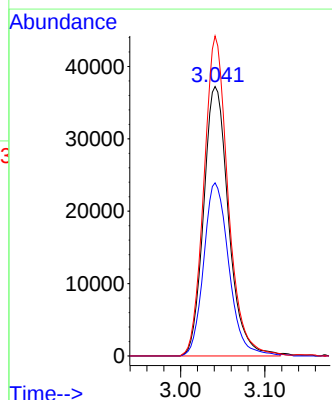
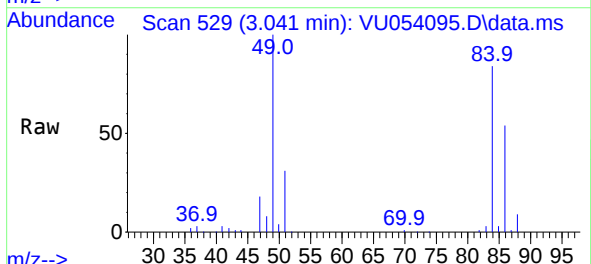
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

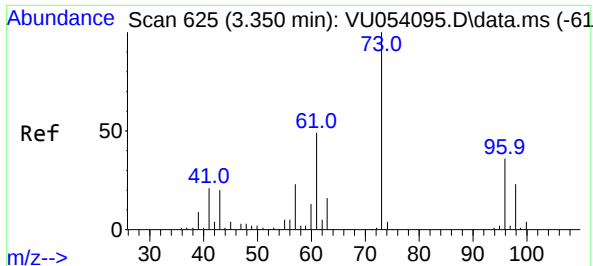
Tgt Ion: 43 Resp: 76515
Ion Ratio Lower Upper
43 100
74 25.4 21.2 31.8



#16
Methylene chloride
Concen: 46.896 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 84 Resp: 76902
Ion Ratio Lower Upper
84 100
86 64.2 45.8 85.2
49 118.8 83.0 154.2

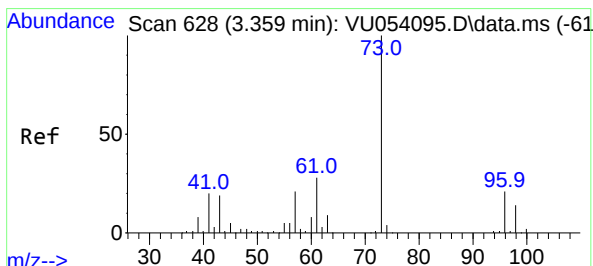
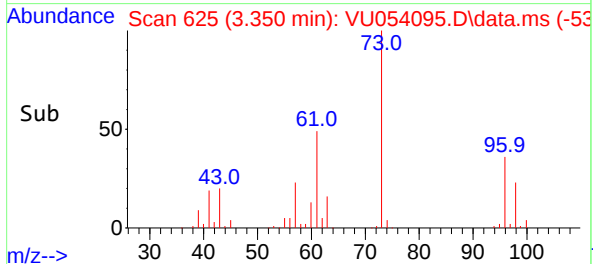
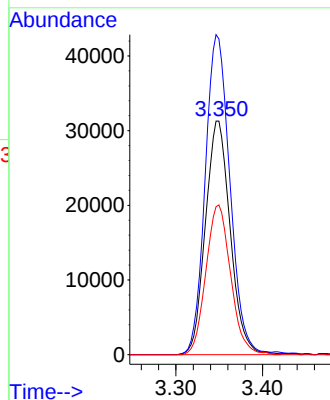
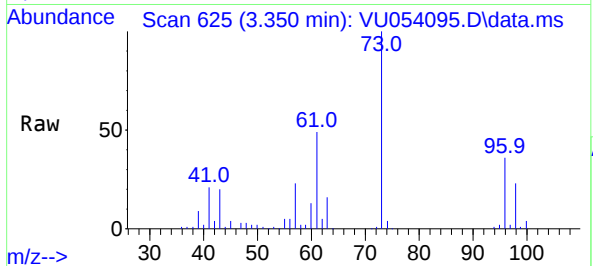




#17
trans-1,2-Dichloroethene
Concen: 46.953 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

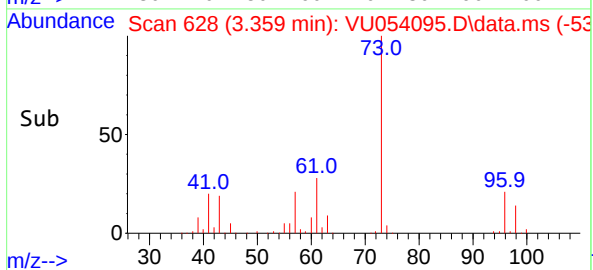
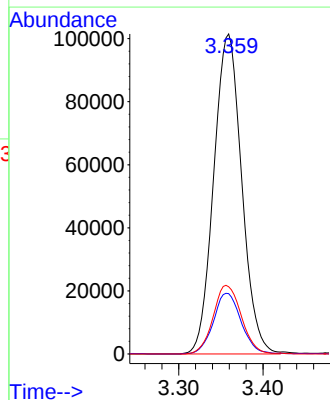
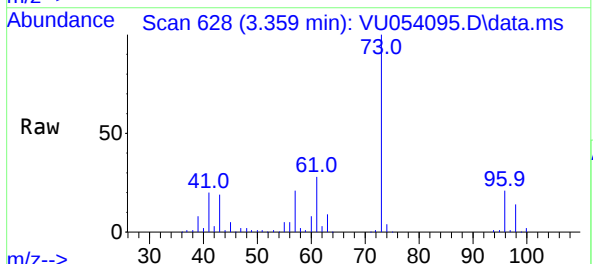
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

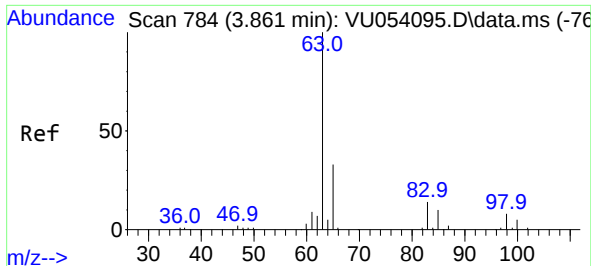
Tgt Ion: 96 Resp: 62425
Ion Ratio Lower Upper
96 100
61 135.1 97.5 181.1
98 64.1 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 47.830 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 73 Resp: 233784
Ion Ratio Lower Upper
73 100
43 18.9 15.4 23.0
57 21.6 18.0 27.0

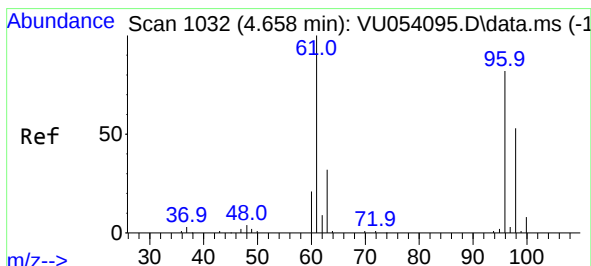
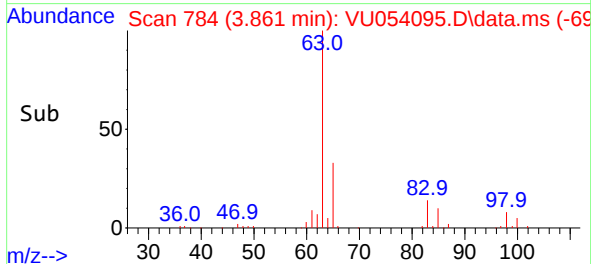
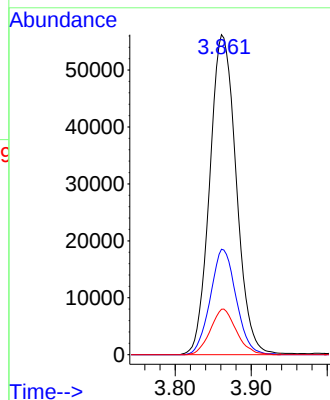
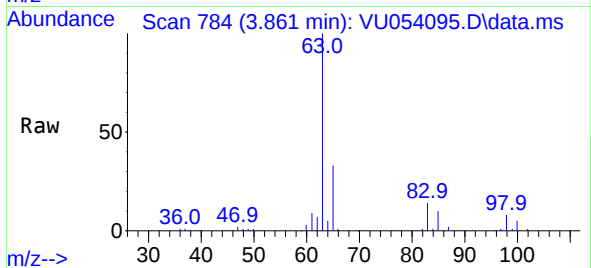




#19
1,1-Dichloroethane
Concen: 47.643 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

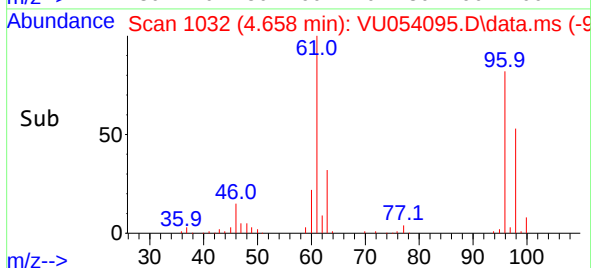
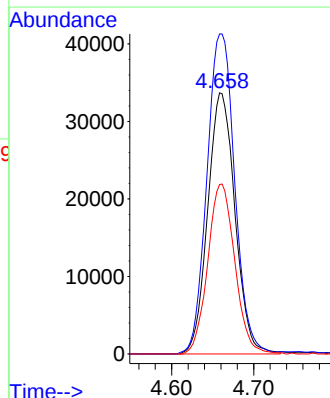
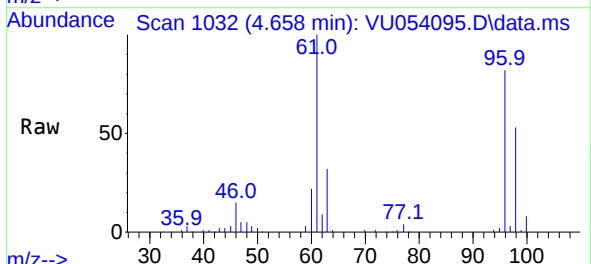
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

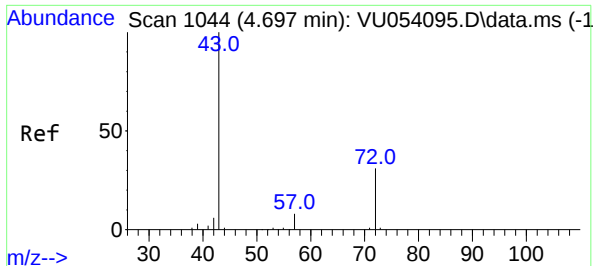
Tgt Ion: 63 Resp: 136002
Ion Ratio Lower Upper
63 100
65 33.0 22.0 40.8
83 14.2 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 47.730 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 96 Resp: 77982
Ion Ratio Lower Upper
96 100
61 122.5 90.9 168.9
98 64.9 45.7 84.9

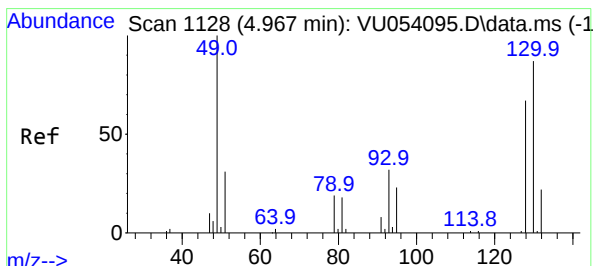
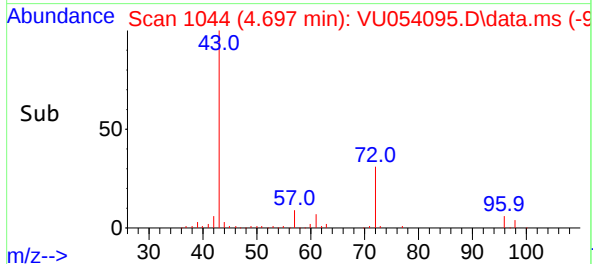
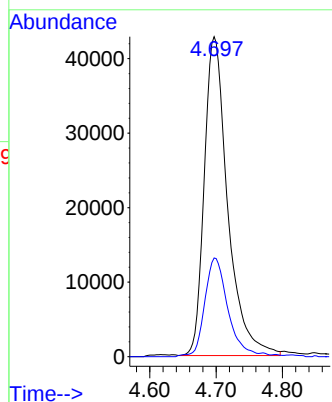
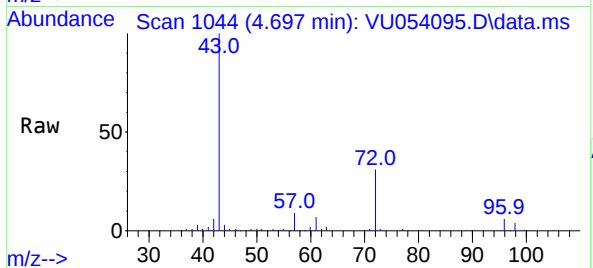




#22
2-Butanone
Concen: 93.816 ug/L
RT: 4.697 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

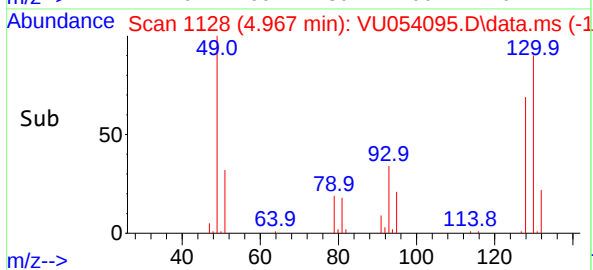
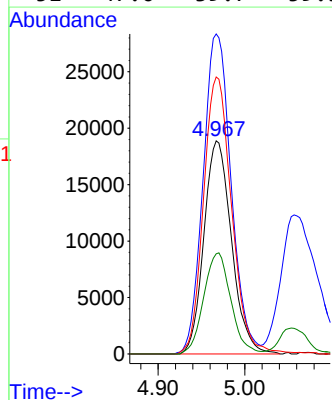
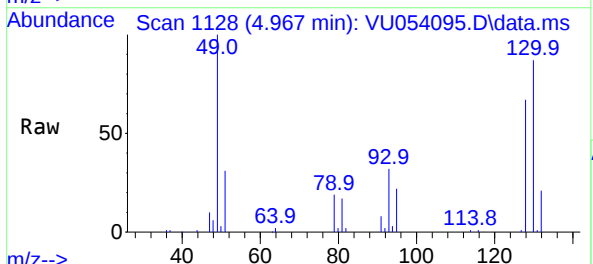
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

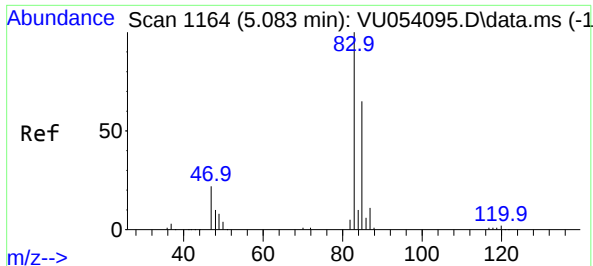
Tgt Ion: 43 Resp: 105114
Ion Ratio Lower Upper
43 100
72 30.4 14.0 41.9



#23
Bromochloromethane
Concen: 49.315 ug/L
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:128 Resp: 41771
Ion Ratio Lower Upper
128 100
49 150.2 107.5 199.7
130 130.0 91.0 169.0
51 47.0 39.7 59.5

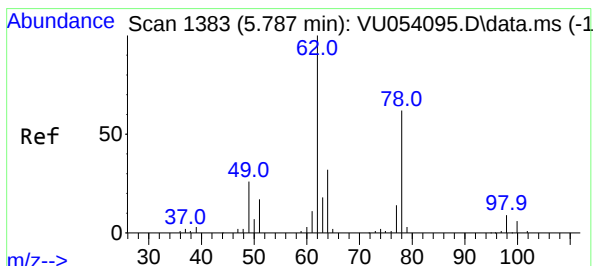
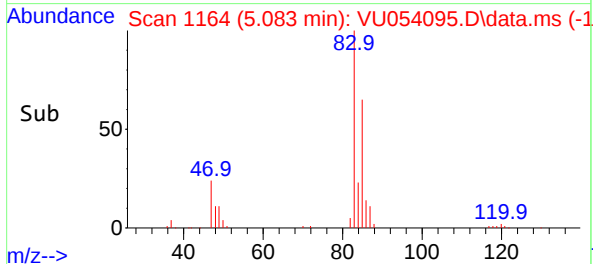
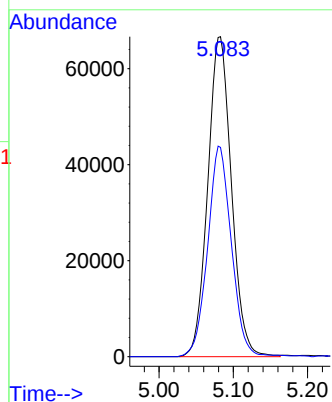
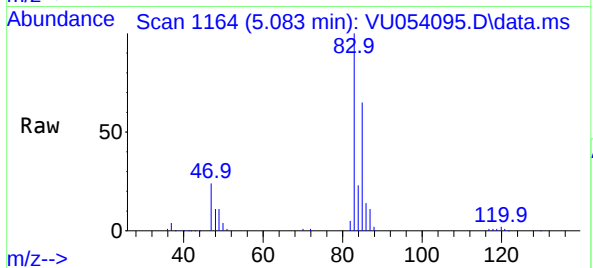




#25
Chloroform
Concen: 48.978 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

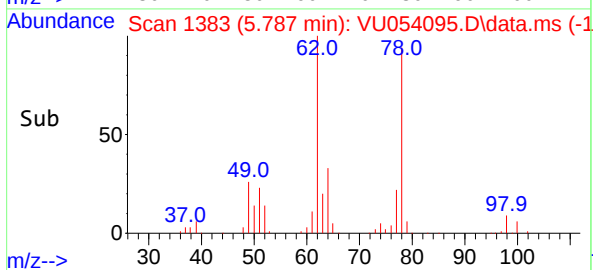
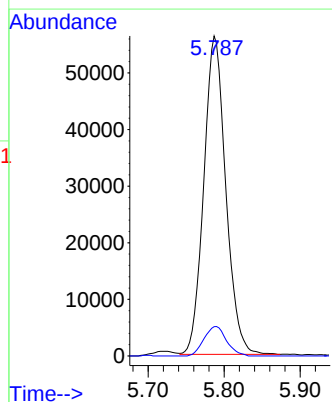
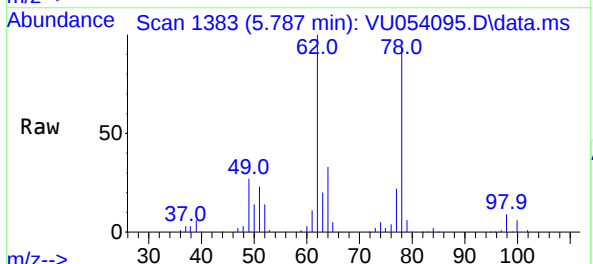
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

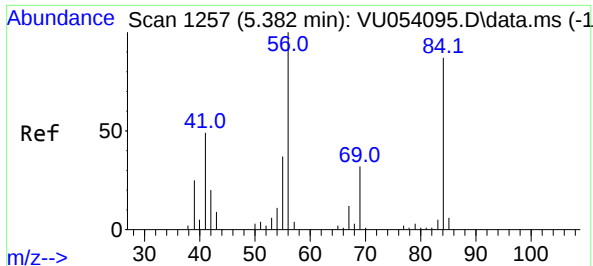
Tgt Ion: 83 Resp: 147536
Ion Ratio Lower Upper
83 100
85 65.4 45.2 84.0



#27
1,2-Dichloroethane
Concen: 48.817 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 62 Resp: 113110
Ion Ratio Lower Upper
62 100
98 9.2 8.0 12.0



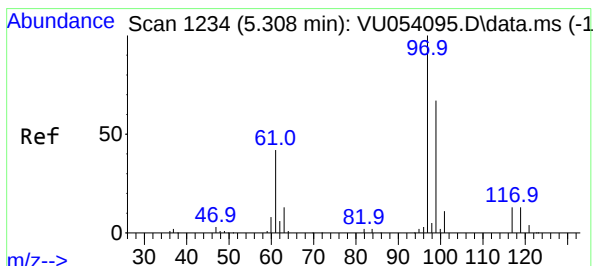
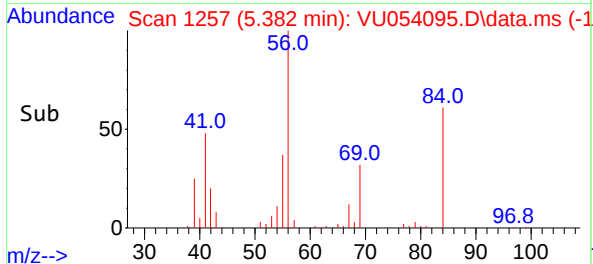
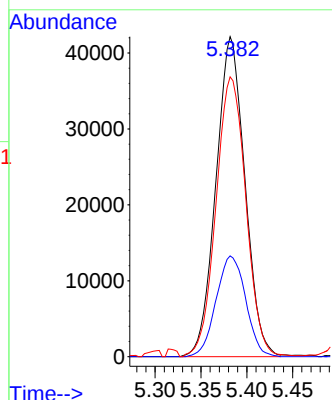
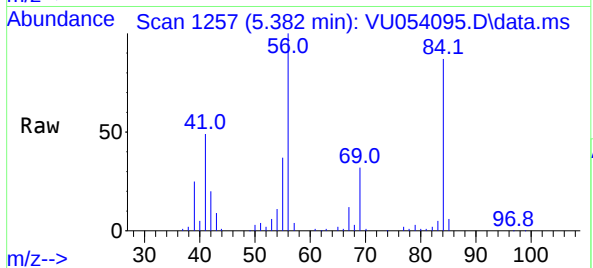


#29
Cyclohexane
Concen: 42.239 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

Tgt Ion: 56 Resp: 92539

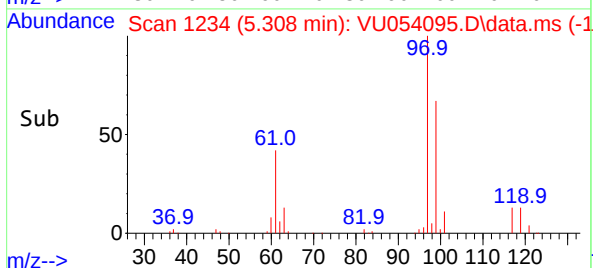
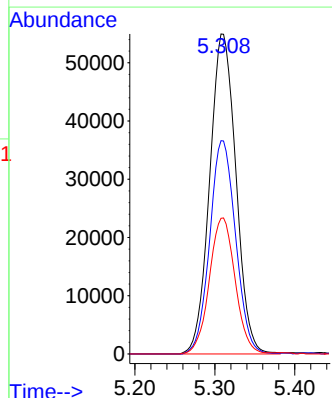
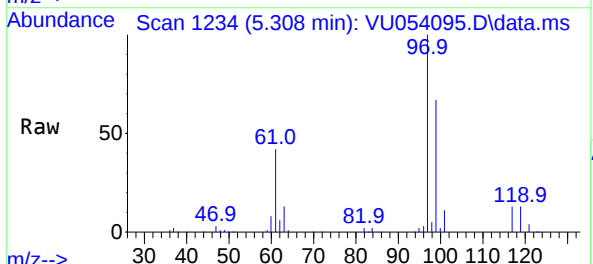
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.6
84	90.2	73.6	110.4

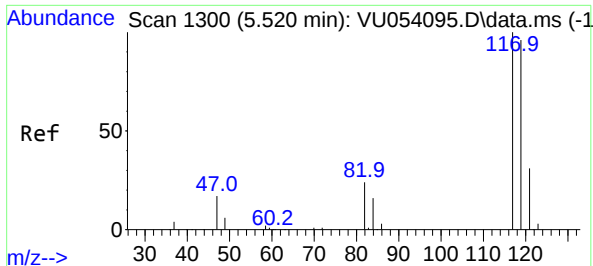


#30
1,1,1-Trichloroethane
Concen: 47.421 ug/L
RT: 5.308 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 97 Resp: 125299

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.2	76.8
61	41.8	34.2	51.4

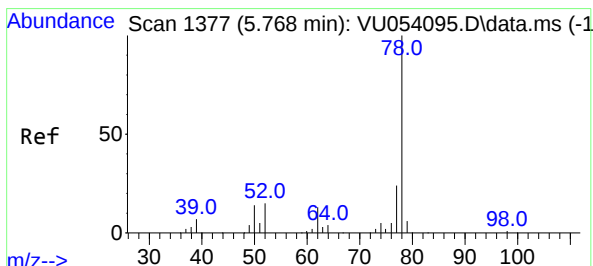
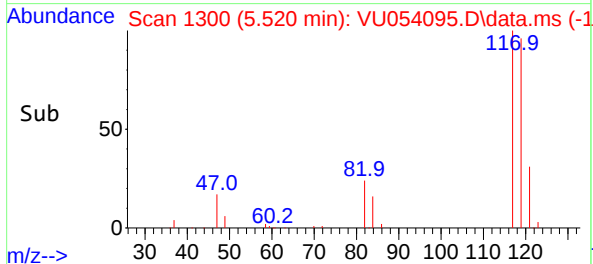
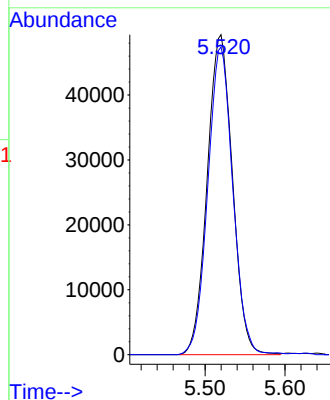
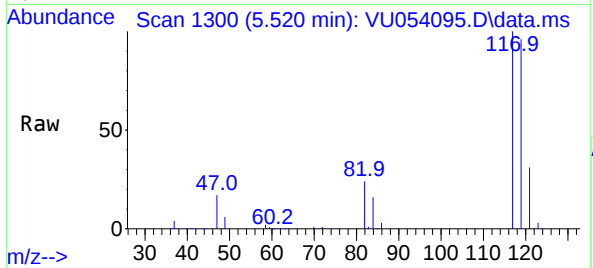




#31
Carbon tetrachloride
Concen: 47.884 ug/L
RT: 5.520 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

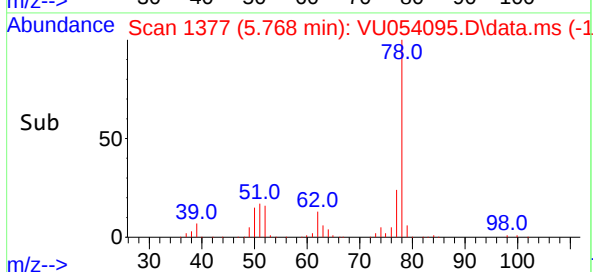
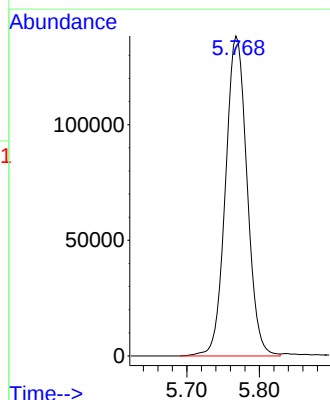
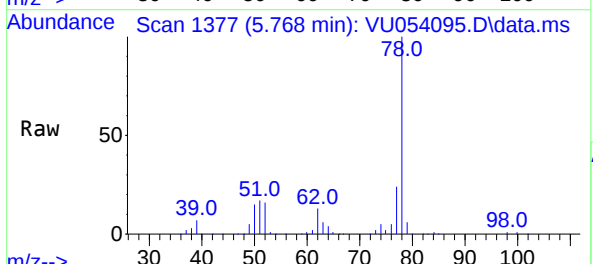
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

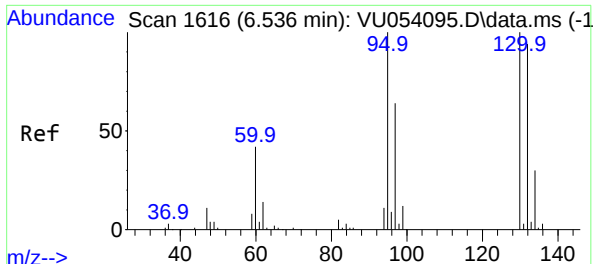
Tgt Ion:117 Resp: 107938
Ion Ratio Lower Upper
117 100
119 95.1 77.8 116.6



#33
Benzene
Concen: 46.228 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 78 Resp: 285234



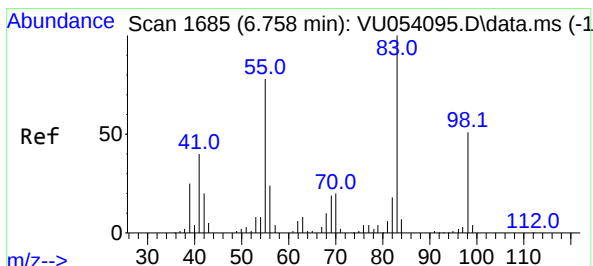
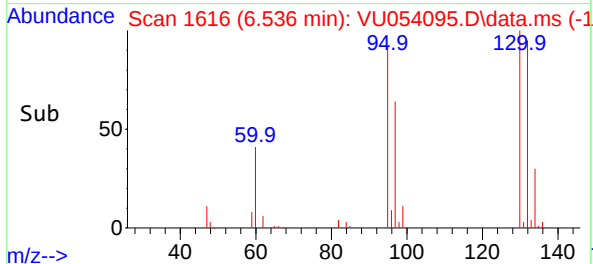
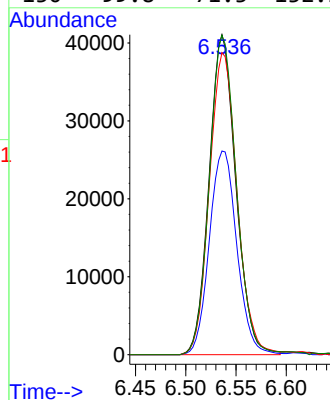
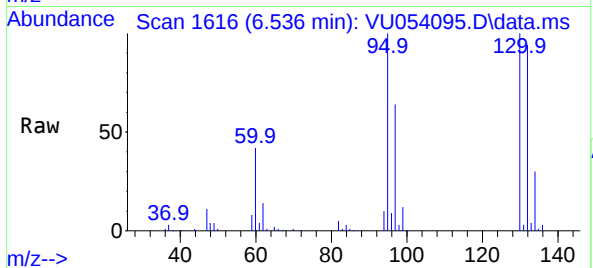


#34
Trichloroethene
Concen: 46.502 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

Tgt Ion: 95 Resp: 76154

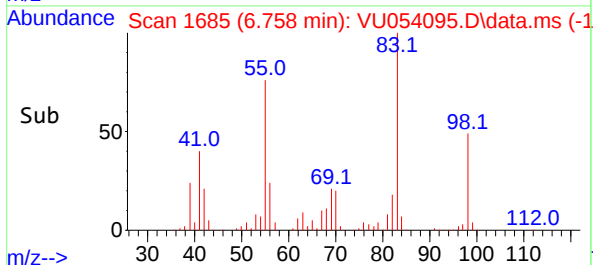
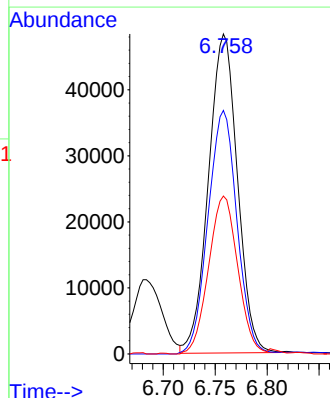
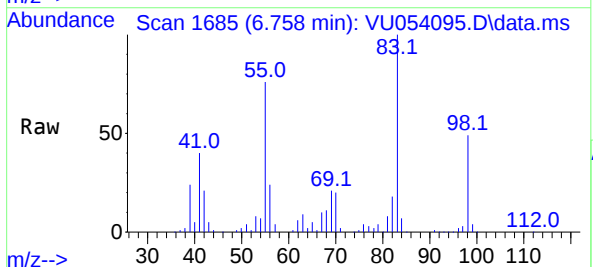
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.5	86.3
132	94.4	67.8	126.0
130	99.8	71.3	132.3

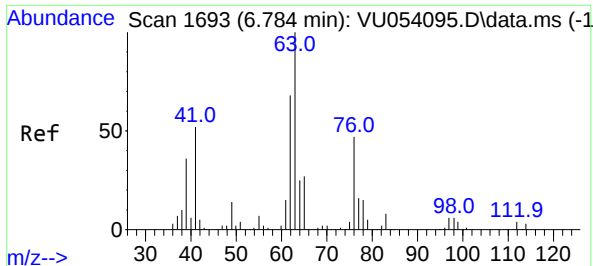


#35
Methylcyclohexane
Concen: 40.794 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 83 Resp: 93694

Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.8	92.6
98	49.7	38.4	57.6

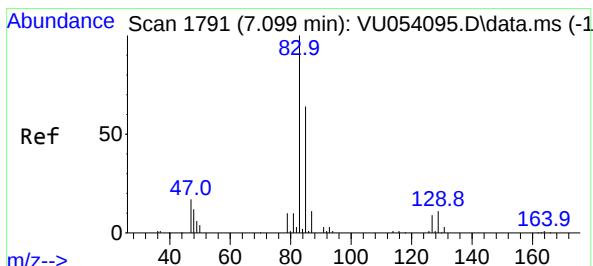
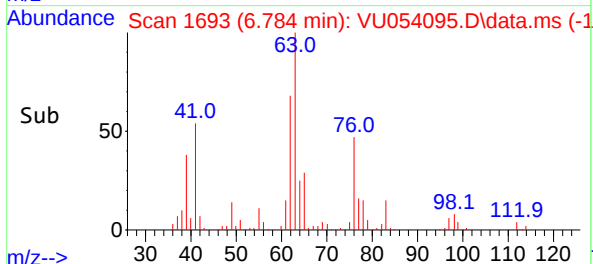
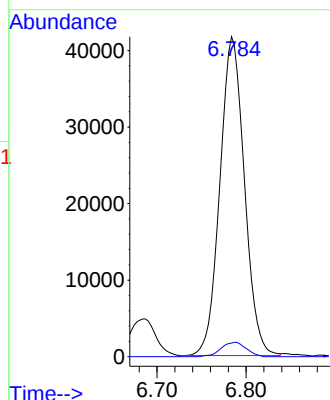
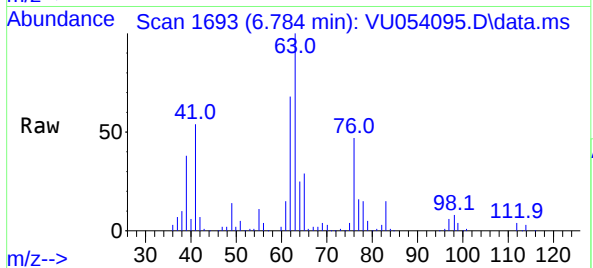




#37
1,2-Dichloropropane
Concen: 45.640 ug/L
RT: 6.784 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

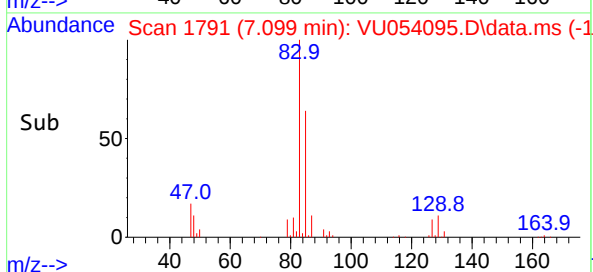
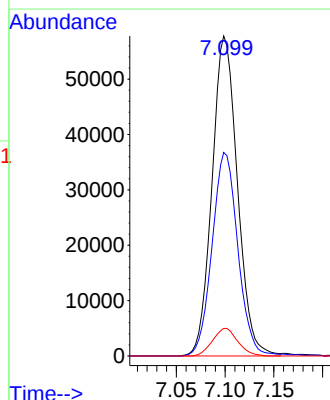
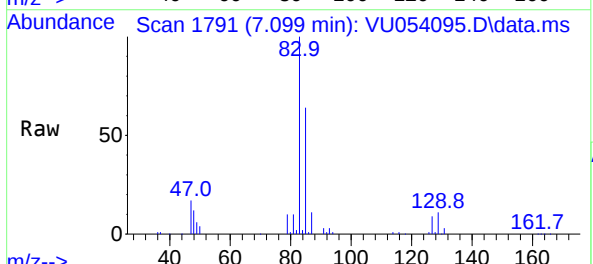
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

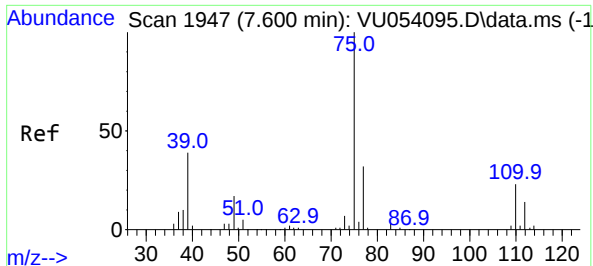
Tgt Ion: 63 Resp: 79672
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.0



#38
Bromodichloromethane
Concen: 47.655 ug/L
RT: 7.099 min Scan# 1791
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 83 Resp: 104807
Ion Ratio Lower Upper
83 100
85 63.6 45.0 83.6
127 8.6 7.1 10.7

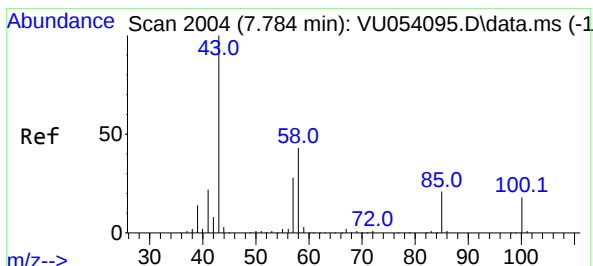
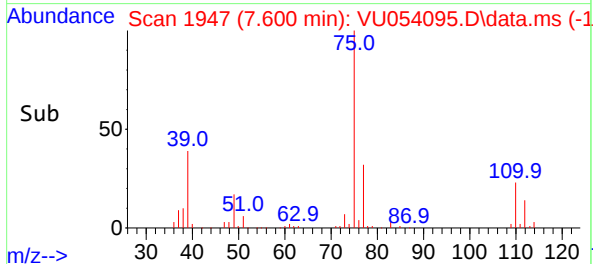
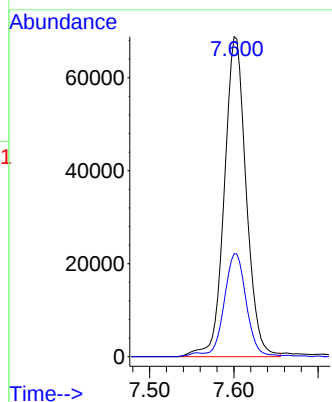
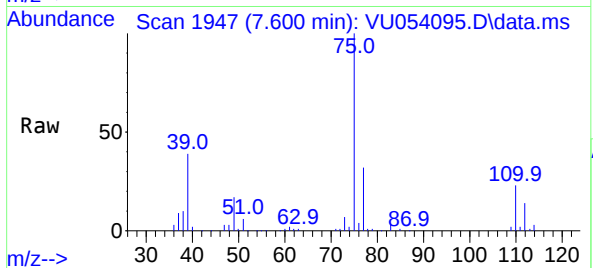




#39
cis-1,3-Dichloropropene
Concen: 45.325 ug/L
RT: 7.600 min Scan# 1947
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

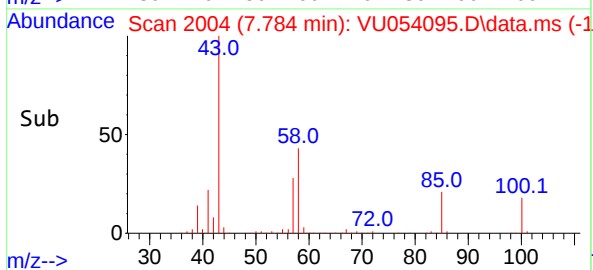
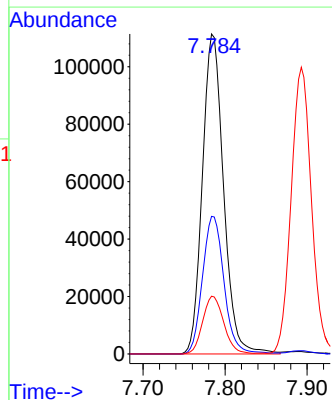
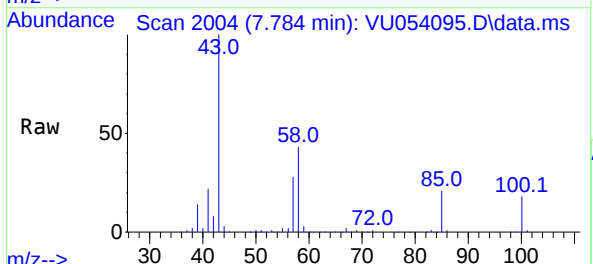
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

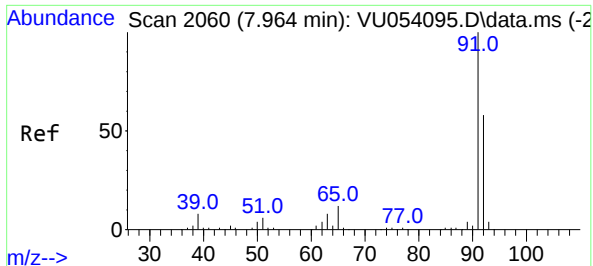
Tgt Ion: 75 Resp: 123774
Ion Ratio Lower Upper
75 100
77 32.2 21.1 39.1



#40
4-Methyl-2-pentanone
Concen: 98.271 ug/L
RT: 7.784 min Scan# 2004
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 43 Resp: 199916
Ion Ratio Lower Upper
43 100
58 43.7 34.5 51.7
100 18.0 13.8 20.6

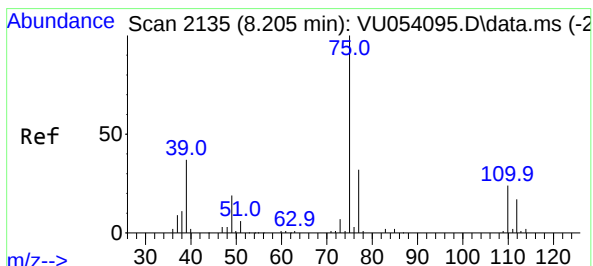
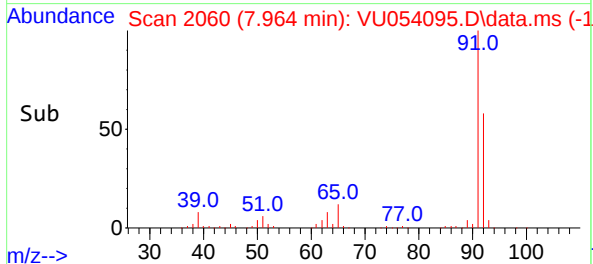
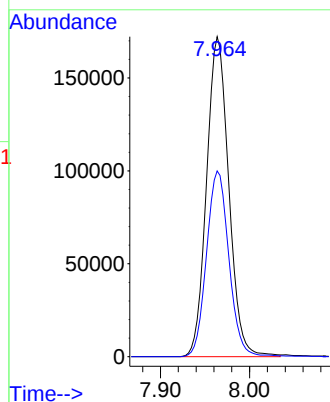
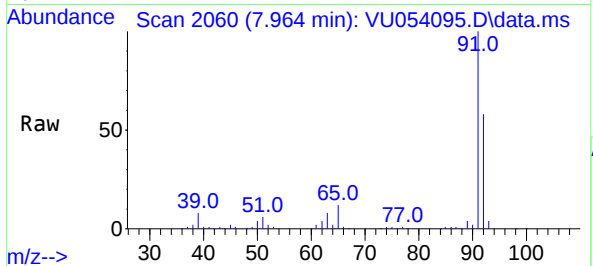




#42
Toluene
Concen: 46.427 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

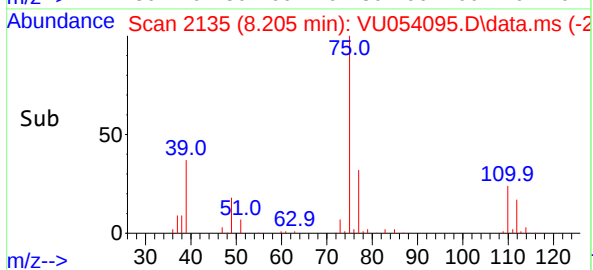
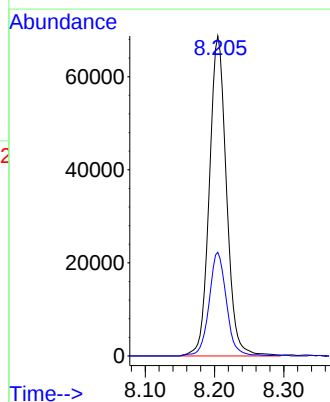
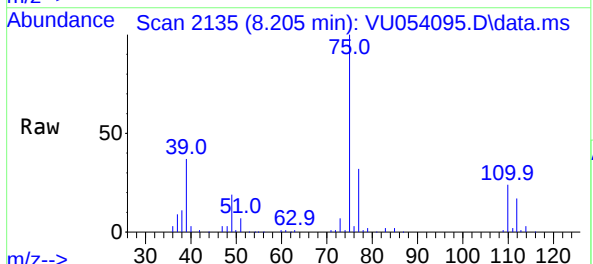
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

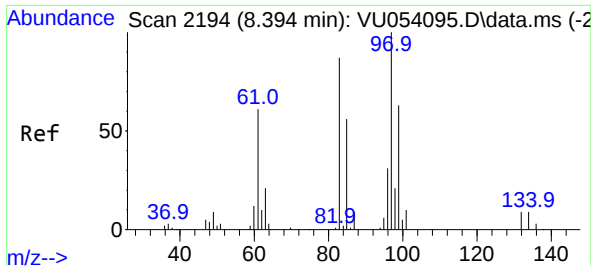
Tgt Ion: 91 Resp: 298220
Ion Ratio Lower Upper
91 100
92 58.0 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 45.435 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 75 Resp: 117915
Ion Ratio Lower Upper
75 100
77 32.4 22.5 41.7



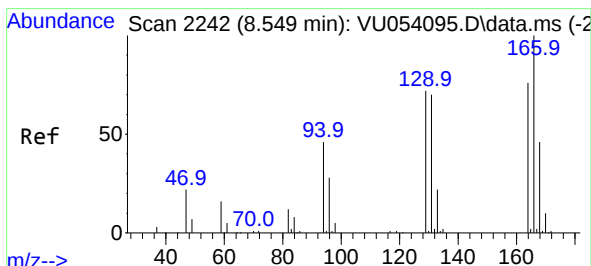
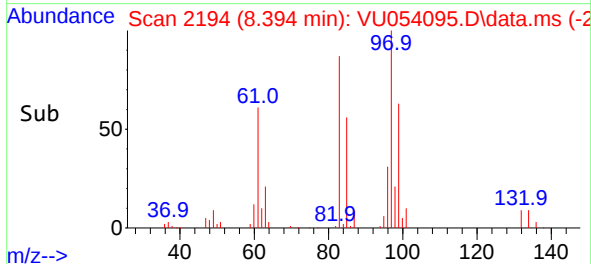
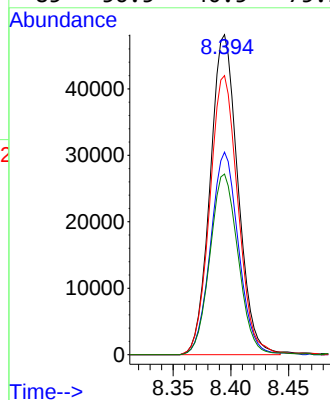
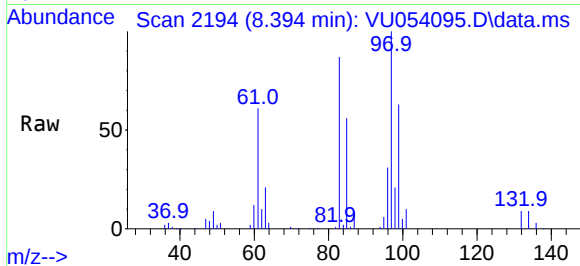


#45
1,1,2-Trichloroethane
Concen: 47.596 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

Tgt Ion: 97 Resp: 80420

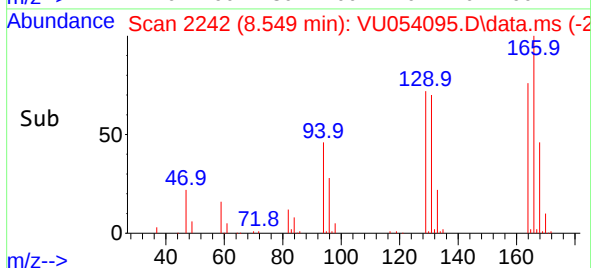
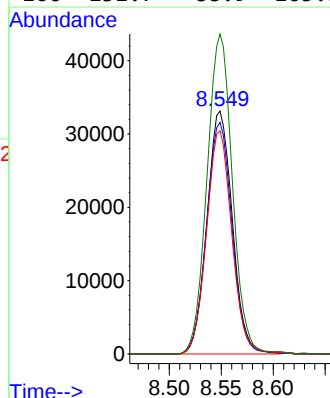
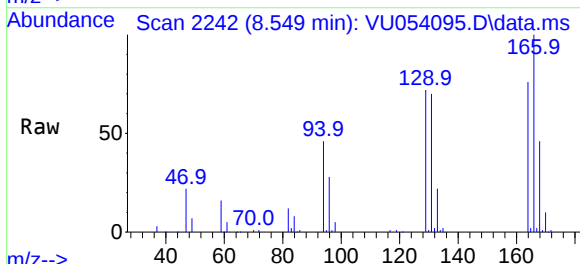
Ion	Ratio	Lower	Upper
97	100		
99	63.3	46.2	85.8
83	87.2	62.7	116.5
85	56.5	40.5	75.1

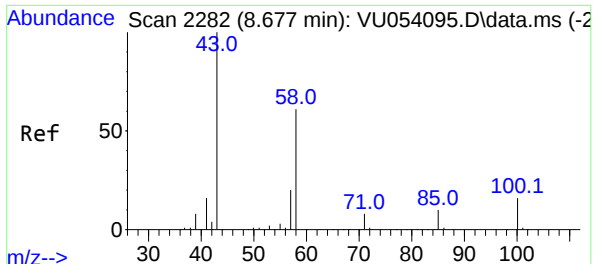


#46
Tetrachloroethene
Concen: 43.372 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 164 Resp: 56349

Ion	Ratio	Lower	Upper
164	100		
129	95.3	65.6	121.8
131	91.9	63.8	118.4
166	131.7	88.9	165.1





#48

2-Hexanone

Concen: 99.091 ug/L

RT: 8.677 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU054095.D

Acq: 08 May 2023 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050094

Tgt Ion: 43 Resp: 159755

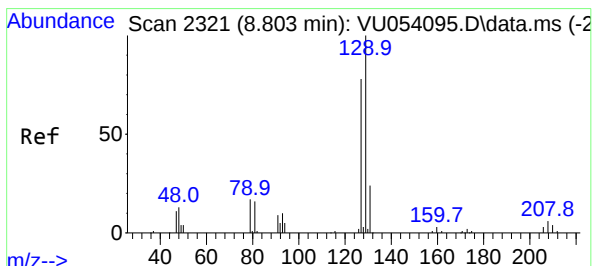
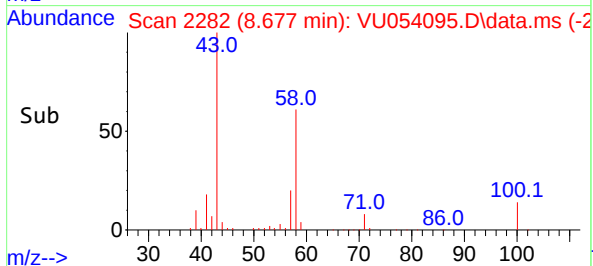
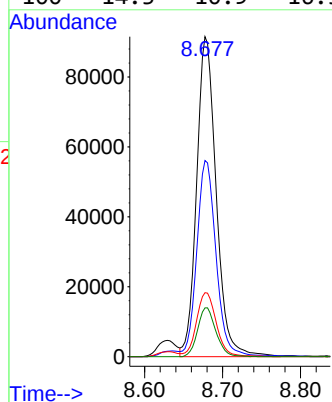
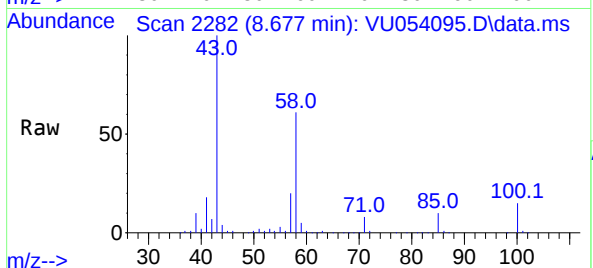
Ion Ratio Lower Upper

43 100

58 59.2 48.5 72.7

57 20.3 16.5 24.7

100 14.3 10.9 16.3



#49

Dibromochloromethane

Concen: 48.957 ug/L

RT: 8.803 min Scan# 2321

Delta R.T. -0.003 min

Lab File: VU054095.D

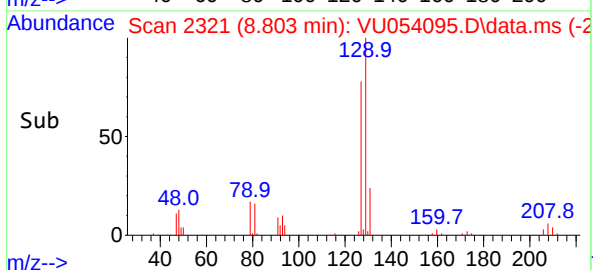
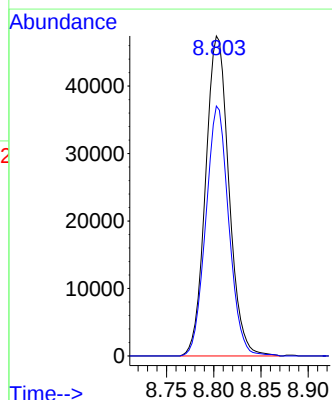
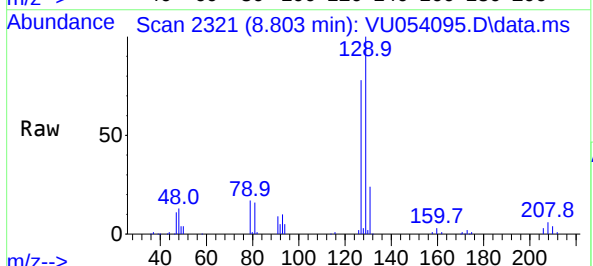
Acq: 08 May 2023 21:03

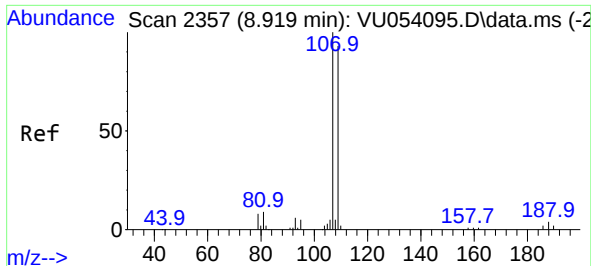
Tgt Ion:129 Resp: 81512

Ion Ratio Lower Upper

129 100

127 78.1 52.9 98.3

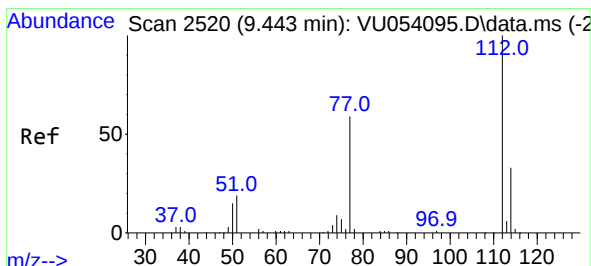
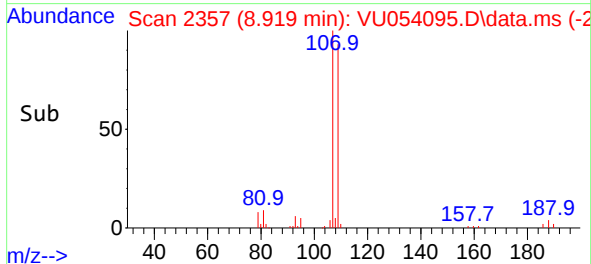
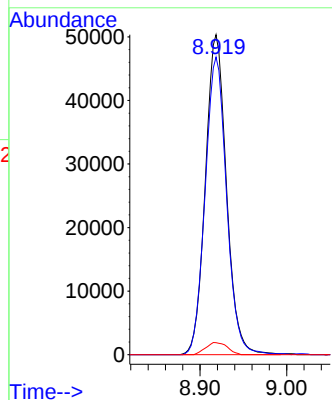
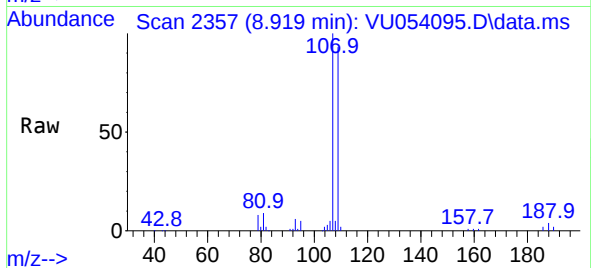




#50
1,2-Dibromoethane
Concen: 49.648 ug/L
RT: 8.919 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

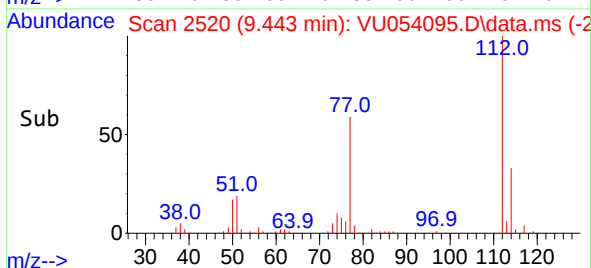
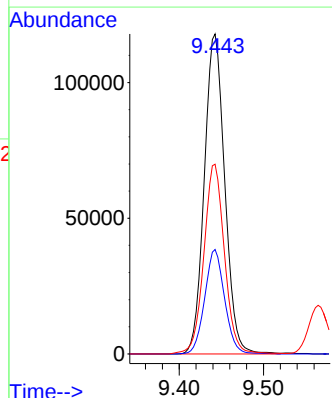
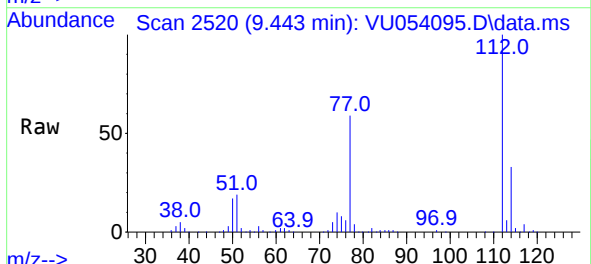
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

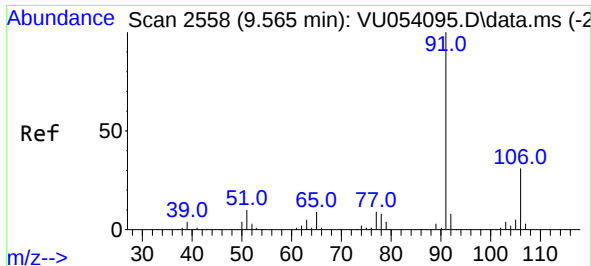
Tgt Ion:107 Resp: 85147
Ion Ratio Lower Upper
107 100
109 93.0 66.1 122.8
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 46.473 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:112 Resp: 199665
Ion Ratio Lower Upper
112 100
114 32.7 22.3 41.3
77 59.3 47.0 70.4

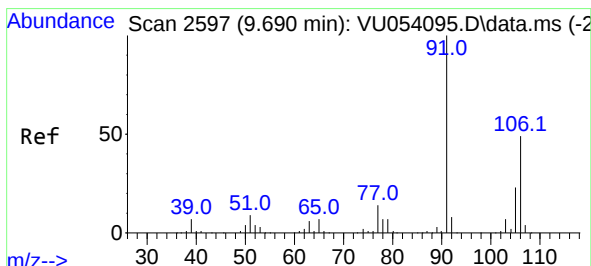
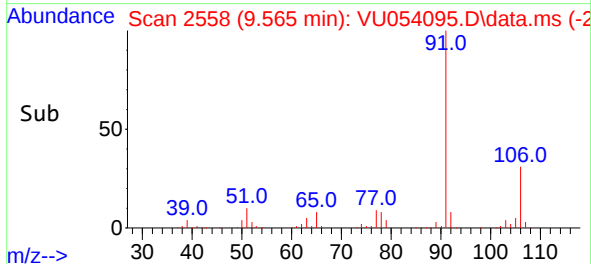
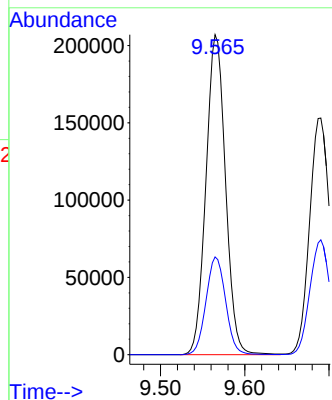
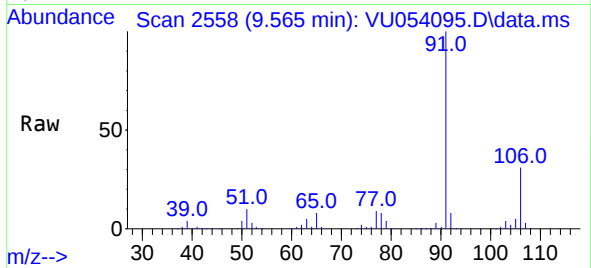




#52
Ethylbenzene
Concen: 46.235 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

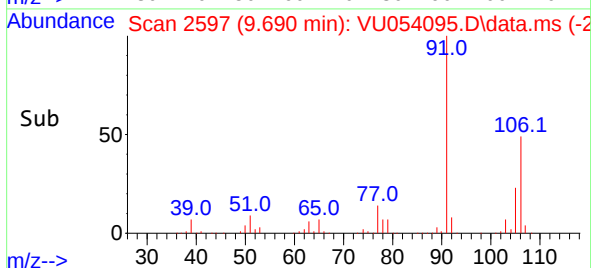
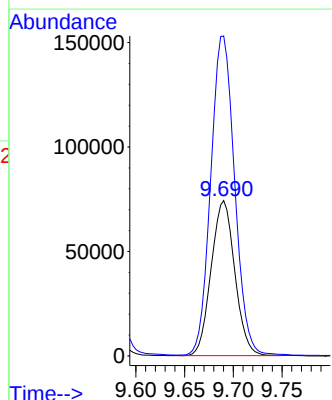
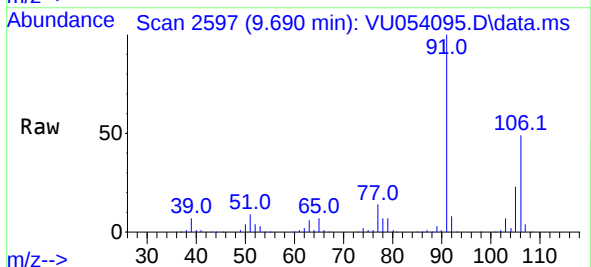
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

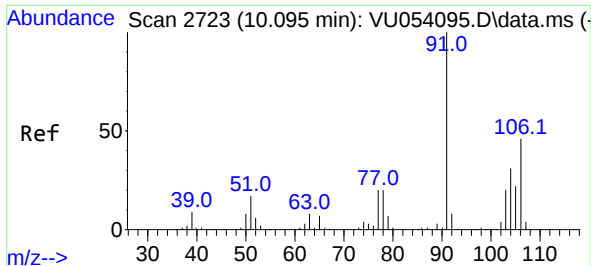
Tgt Ion: 91 Resp: 334257
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 46.114 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 106 Resp: 125185
Ion Ratio Lower Upper
106 100
91 205.9 140.5 260.9

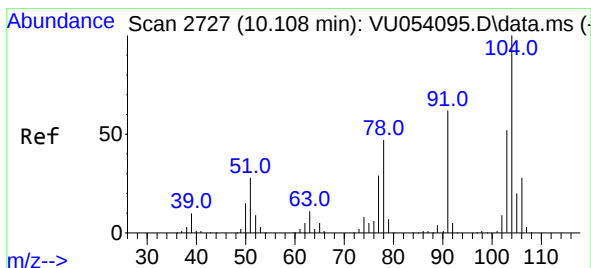
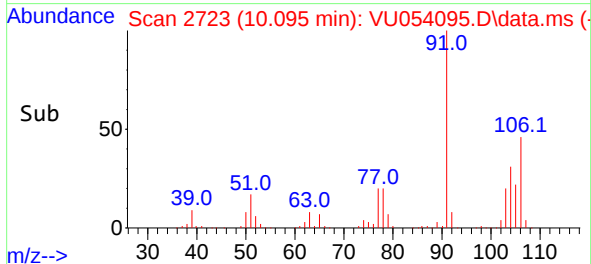
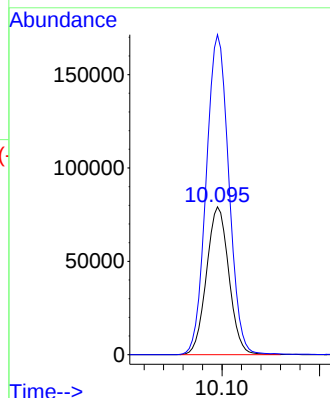
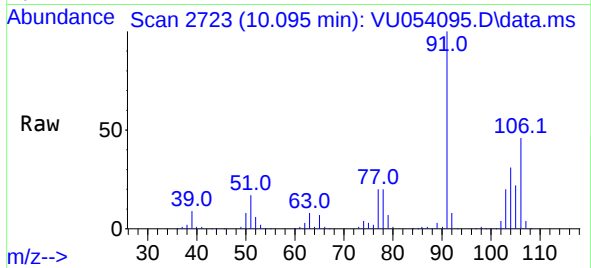




#54
o-Xylene
Concen: 47.577 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

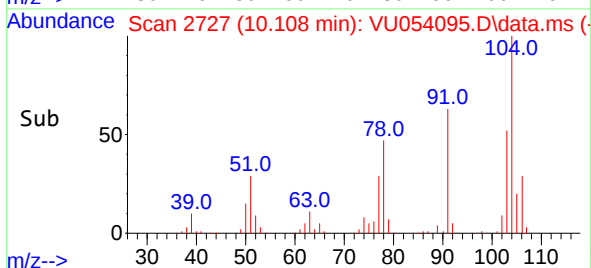
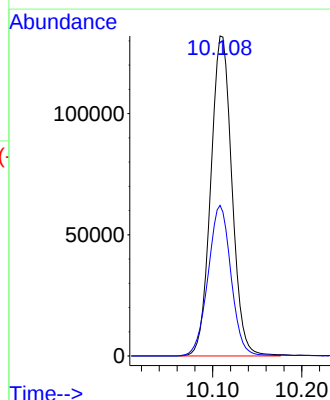
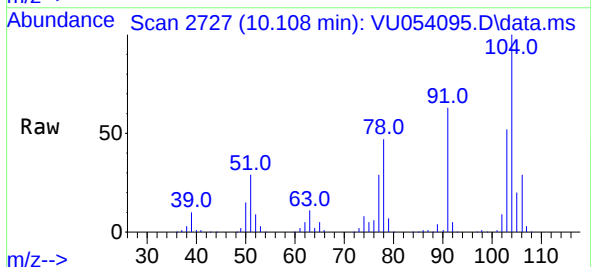
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

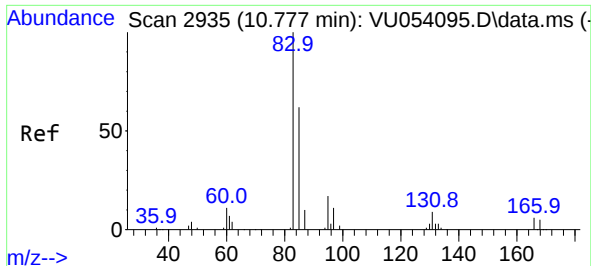
Tgt Ion:106 Resp: 126356
Ion Ratio Lower Upper
106 100
91 216.5 154.9 287.7



#55
Styrene
Concen: 47.901 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:104 Resp: 218208
Ion Ratio Lower Upper
104 100
78 47.1 33.2 61.7

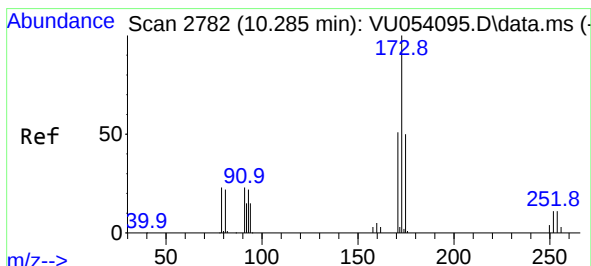
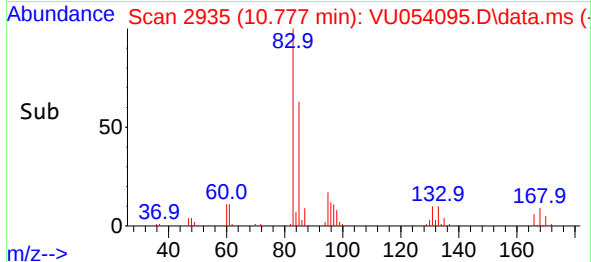
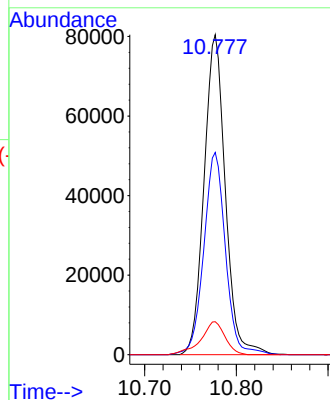
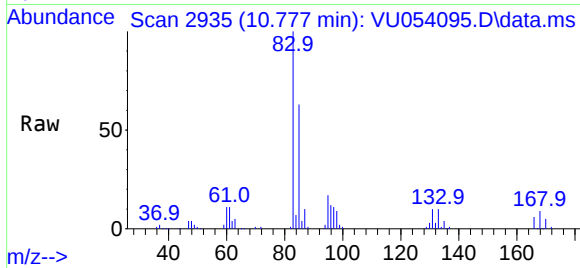




#57
1,1,2,2-Tetrachloroethane
Concen: 48.682 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

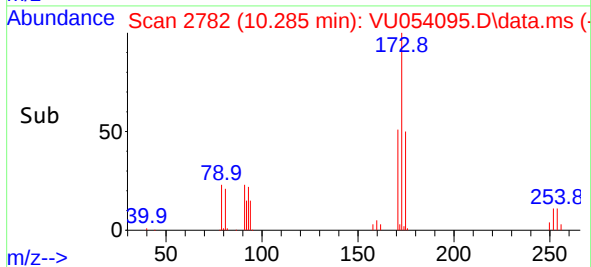
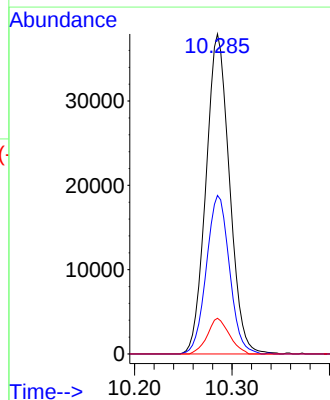
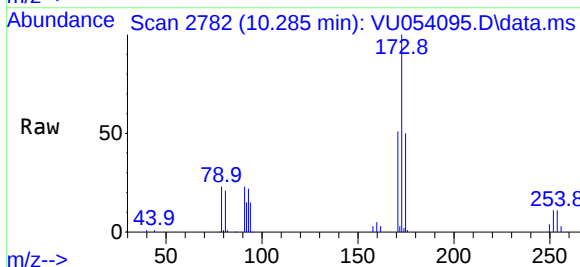
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

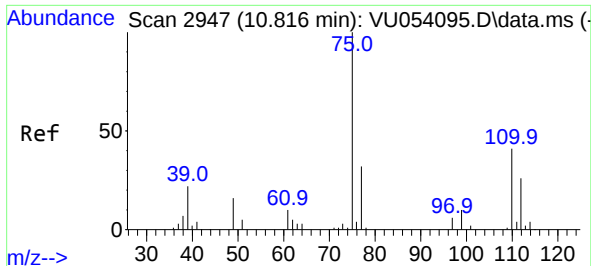
Tgt Ion: 83 Resp: 129574
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.9
131 10.3 8.2 12.2



#59
Bromoform
Concen: 47.692 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:173 Resp: 63523
Ion Ratio Lower Upper
173 100
175 48.7 38.9 58.3
254 10.4 8.5 12.7

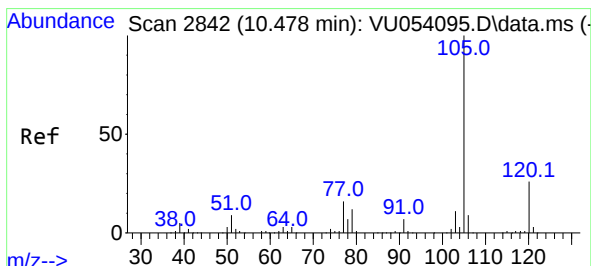
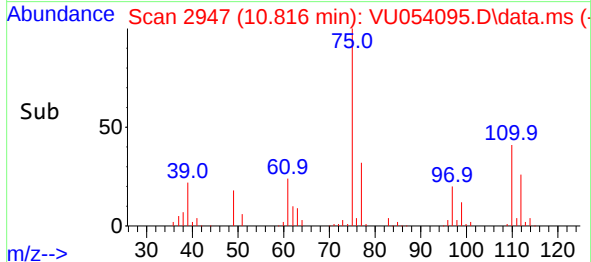
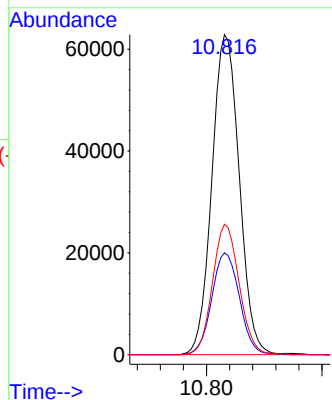
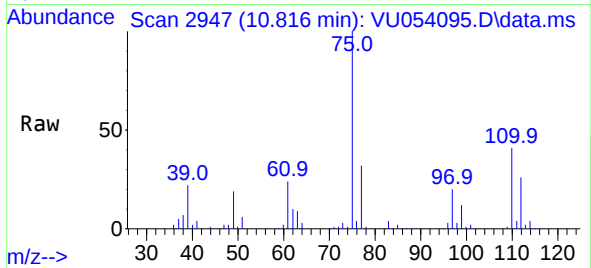




#60
1,2,3-Trichloropropane
Concen: 46.772 ug/L
RT: 10.816 min Scan# 2947
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

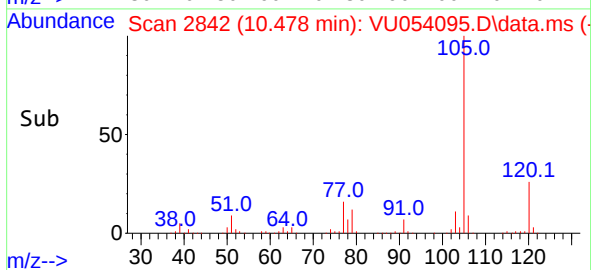
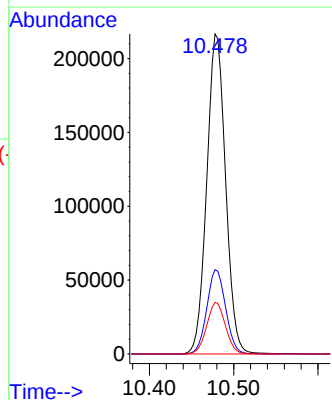
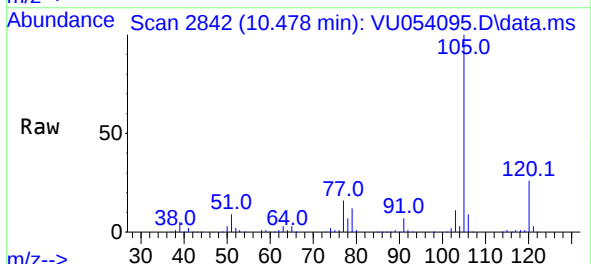
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

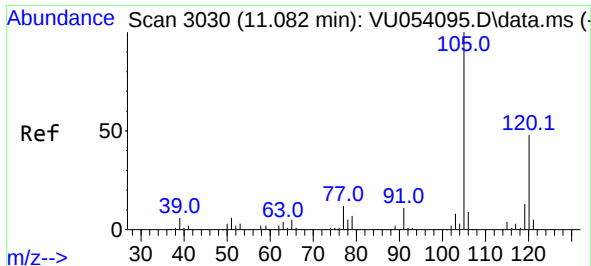
Tgt Ion: 75 Resp: 103359
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 39.7 31.8 47.8



#61
Isopropylbenzene
Concen: 44.894 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion: 105 Resp: 337153
Ion Ratio Lower Upper
105 100
120 26.3 21.3 31.9
77 16.0 12.7 19.1

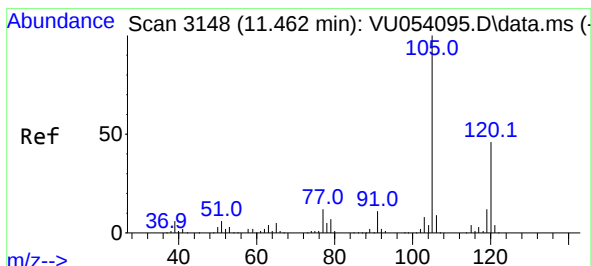
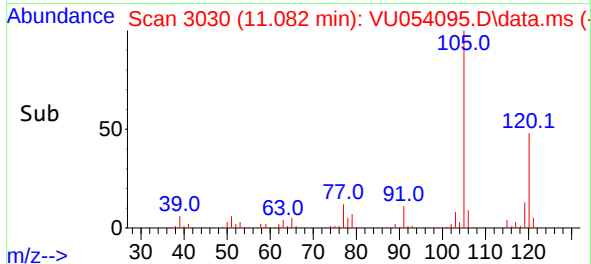
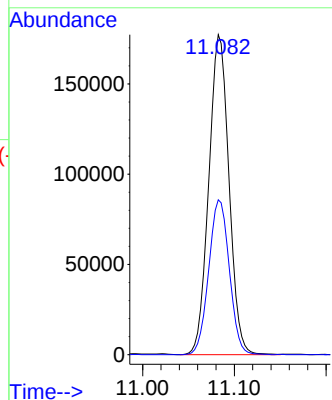
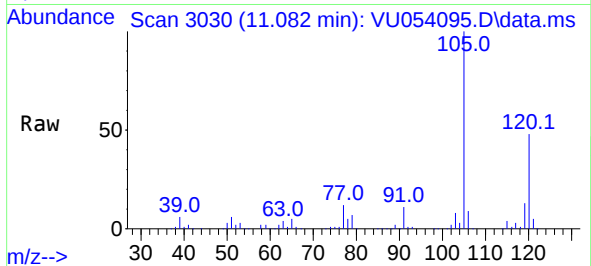




#62
1,3,5-Trimethylbenzene
Concen: 44.073 ug/L
RT: 11.082 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

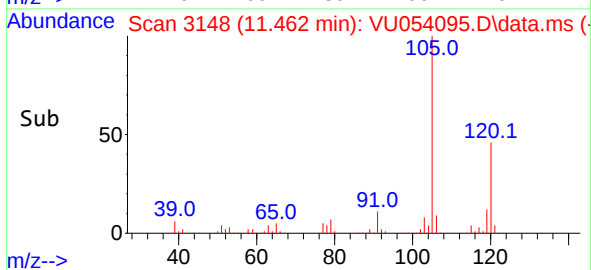
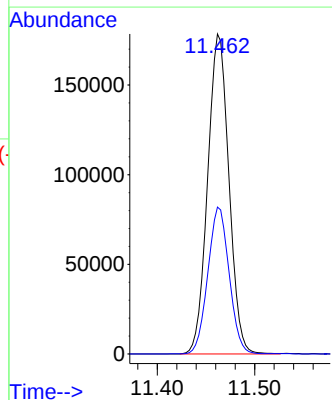
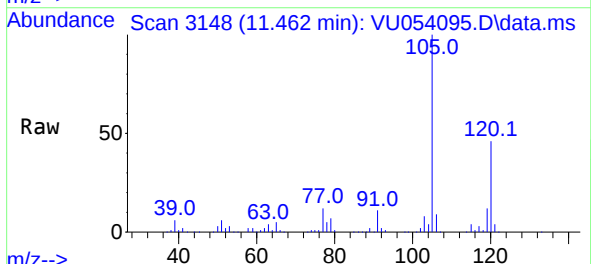
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

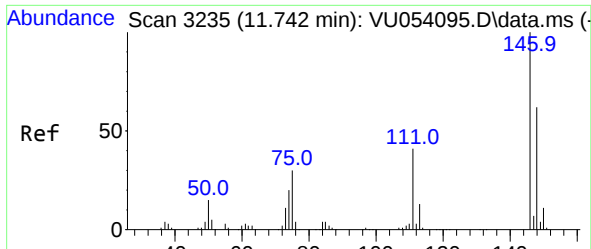
Tgt Ion:105 Resp: 271224
Ion Ratio Lower Upper
105 100
120 49.4 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 44.571 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:105 Resp: 270359
Ion Ratio Lower Upper
105 100
120 45.8 36.5 54.7

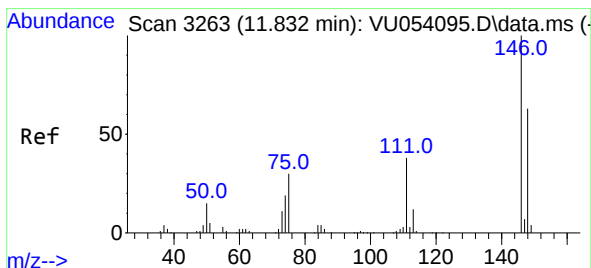
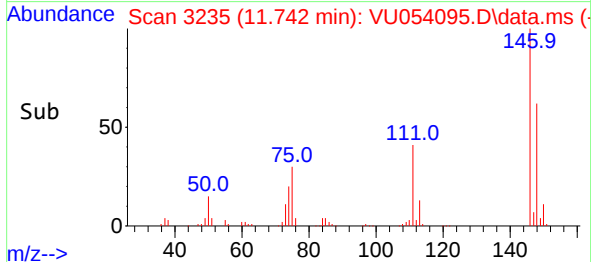
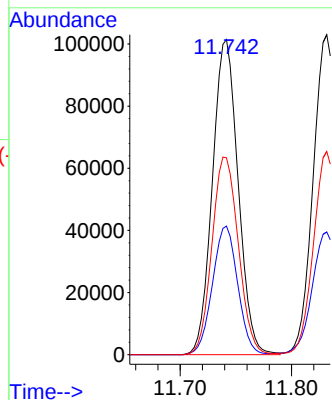
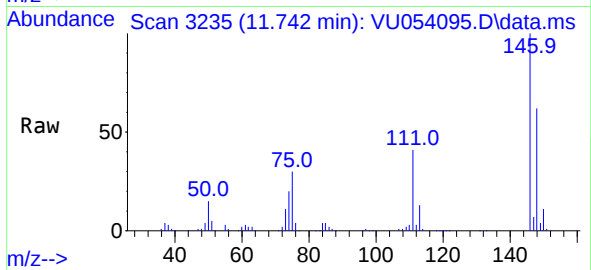




#64
1,3-Dichlorobenzene
Concen: 44.304 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

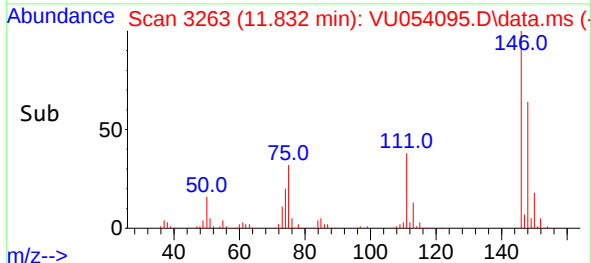
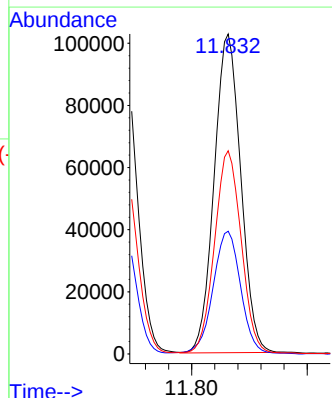
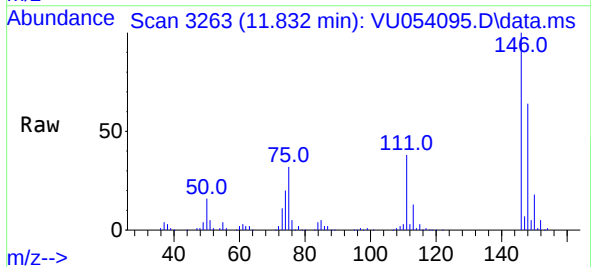
Instrument :
MSVOA_U
ClientSampleId :
VSTD050094

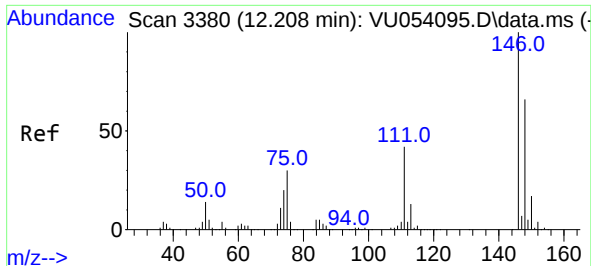
Tgt Ion:146 Resp: 162728
Ion Ratio Lower Upper
146 100
111 40.8 27.9 51.7
148 62.5 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 43.824 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:146 Resp: 163932
Ion Ratio Lower Upper
146 100
111 38.3 27.9 51.7
148 63.5 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 45.380 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU054095.D

Acq: 08 May 2023 21:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD050094

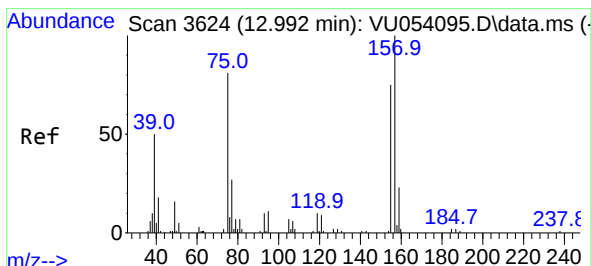
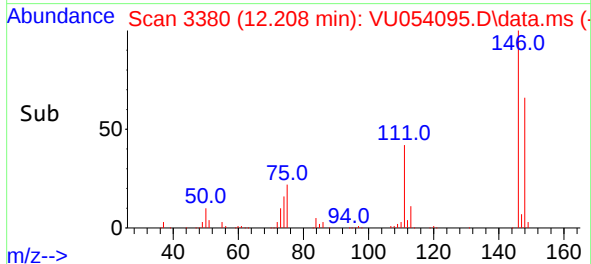
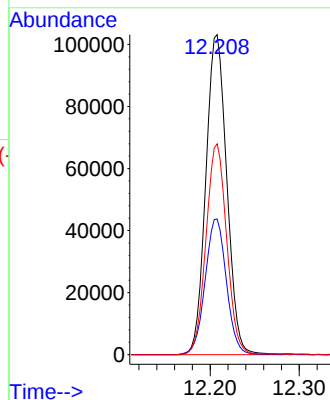
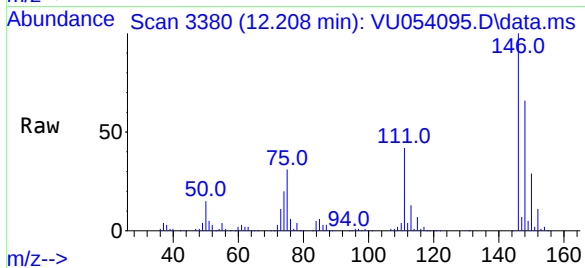
Tgt Ion:146 Resp: 168220

Ion Ratio Lower Upper

146 100

111 42.4 33.4 50.0

148 65.9 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 48.601 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU054095.D

Acq: 08 May 2023 21:03

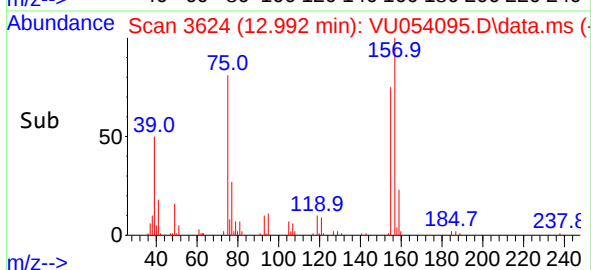
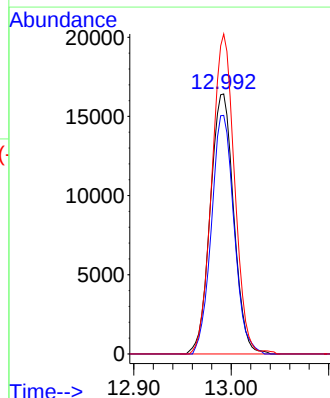
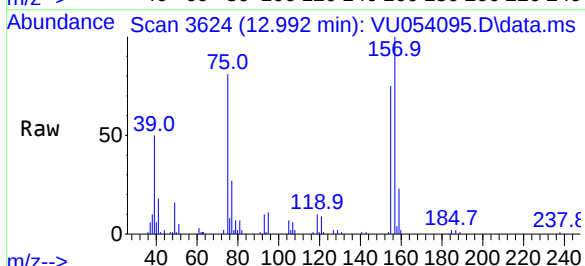
Tgt Ion: 75 Resp: 27400

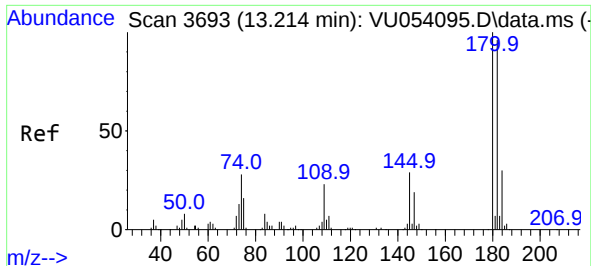
Ion Ratio Lower Upper

75 100

155 91.8 67.8 101.6

157 123.0 88.3 132.5



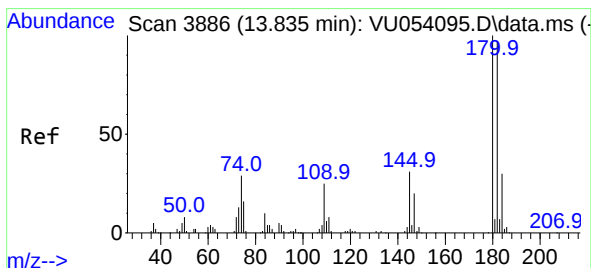
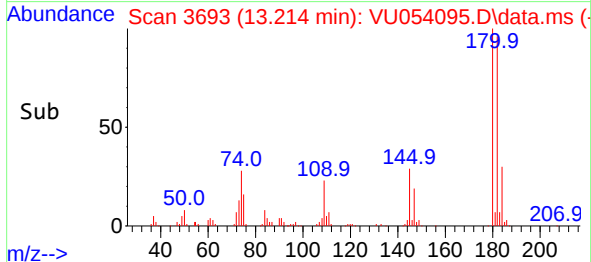
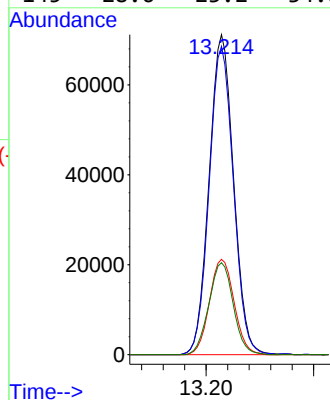
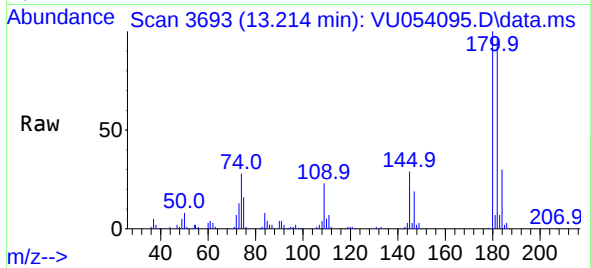


#69
 1,3,5-Trichlorobenzene
 Concen: 42.241 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU054095.D
 Acq: 08 May 2023 21:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050094

Tgt Ion:180 Resp: 112427

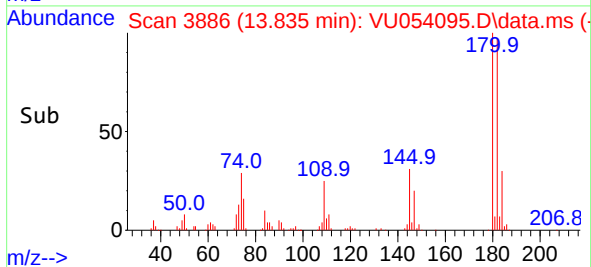
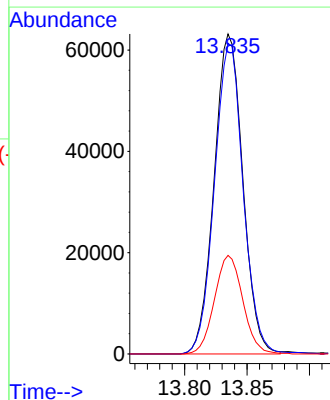
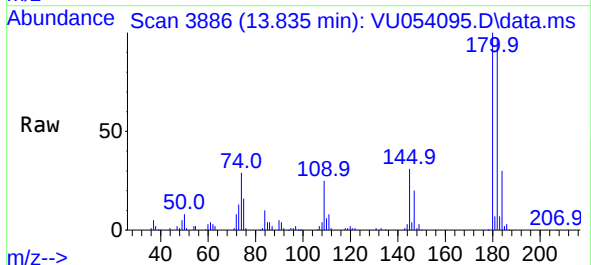
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
184	30.1	24.2	36.2
145	28.6	23.2	34.8

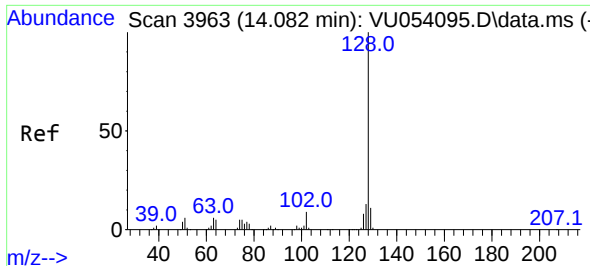


#70
 1,2,4-trichlorobenzene
 Concen: 41.872 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU054095.D
 Acq: 08 May 2023 21:03

Tgt Ion:180 Resp: 101033

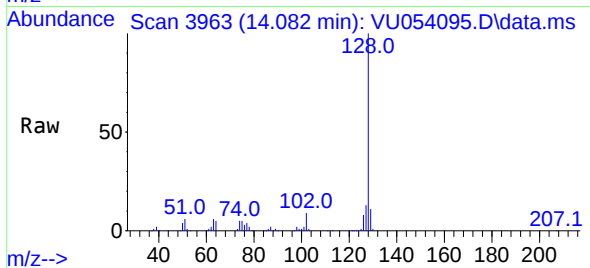
Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.2
145	30.4	23.8	35.8



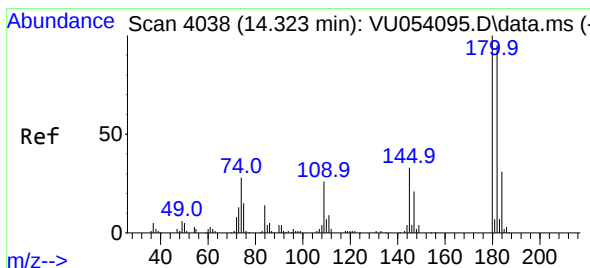
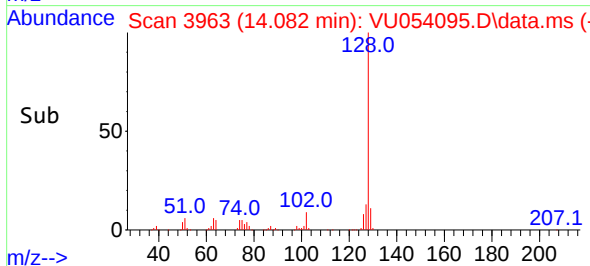
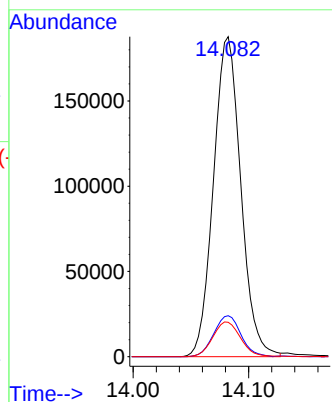


#71
Naphthalene
Concen: 44.147 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD050094



Tgt Ion:	128	Resp:	308966
Ion Ratio	100	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	11.1	8.4	12.6



#72
1,2,3-Trichlorobenzene
Concen: 43.753 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.000 min
Lab File: VU054095.D
Acq: 08 May 2023 21:03

Tgt Ion:	180	Resp:	105017
Ion Ratio	100	Lower	Upper
180	100		
182	94.4	76.6	114.8
145	32.4	24.9	37.3

