

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051123\
 Data File : VU054154.D
 Acq On : 11 May 2023 15:24
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050101

Quant Time: May 12 08:41:38 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	238152	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225274	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	130785	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43476	24.138	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	48.280%#
7) Chloroethane-d5	1.903	69	40275	34.064	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.120%#
11) 1,1-Dichloroethene-d2	2.565	63	103539	32.410	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.820%
21) 2-Butanone-d5	4.617	46	97446	94.859	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.860%
24) Chloroform-d	5.057	84	129691	39.205	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.400%
26) 1,2-Dichloroethane-d4	5.697	65	81110	38.188	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.380%
32) Benzene-d6	5.723	84	230592	34.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.560%#
36) 1,2-Dichloropropane-d6	6.687	67	77120	36.841	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.680%
41) Toluene-d8	7.893	98	214086	35.761	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.520%#
43) trans-1,3-Dichloroprop...	8.176	79	41649	40.204	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.400%
47) 2-Hexanone-d5	8.629	63	65309	87.105	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.100%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	121999	44.245	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.480%
66) 1,2-Dichlorobenzene-d4	12.189	152	104705	40.982	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	74293	43.238	ug/L	99
3) Chloromethane	1.517	50	67973	43.044	ug/L	97
5) Vinyl chloride	1.604	62	75639	45.034	ug/L	97
6) Bromomethane	1.848	94	37512	40.064	ug/L	97
8) Chloroethane	1.925	64	47461	51.855	ug/L	97
9) Trichlorofluoromethane	2.134	101	129417	48.555	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	77257	48.466	ug/L	98
12) 1,1-Dichloroethene	2.575	96	63321	45.837	ug/L	92
13) Acetone	2.626	43	97009	96.210	ug/L	97
14) Carbon disulfide	2.790	76	134314	43.807	ug/L	98
15) Methyl Acetate	2.945	43	74447	47.146	ug/L	99
16) Methylene chloride	3.041	84	82156	47.155	ug/L	95
17) trans-1,2-Dichloroethene	3.347	96	66335	46.961	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	245155	47.208	ug/L	98
19) 1,1-Dichloroethane	3.864	63	141808	46.757	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	82315	47.420	ug/L	97
22) 2-Butanone	4.700	43	117036	98.315	ug/L	98
23) Bromochloromethane	4.970	128	43888	48.768	ug/L	94
25) Chloroform	5.083	83	154871	48.390	ug/L	99

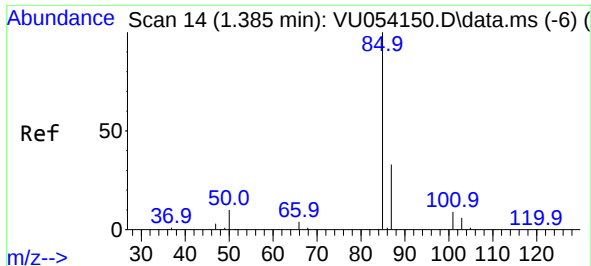
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	116965	47.513	ug/L	98
29) Cyclohexane	5.385	56	101009	43.385	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	133169	47.426	ug/L	99
31) Carbon tetrachloride	5.520	117	116367	48.577	ug/L	99
33) Benzene	5.771	78	297327	45.345	ug/L	100
34) Trichloroethene	6.539	95	82231	47.251	ug/L	99
35) Methylcyclohexane	6.758	83	111413	45.647	ug/L	98
37) 1,2-Dichloropropane	6.787	63	85063	45.854	ug/L	99
38) Bromodichloromethane	7.102	83	113104	48.394	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	135319	46.629	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	200991	92.971	ug/L	99
42) Toluene	7.967	91	322420	47.233	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	130291	47.242	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	86532	48.192	ug/L	94
46) Tetrachloroethene	8.549	164	64048	46.389	ug/L	99
48) 2-Hexanone	8.681	43	164412	95.963	ug/L	99
49) Dibromochloromethane	8.806	129	88780	50.177	ug/L	100
50) 1,2-Dibromoethane	8.919	107	87965	48.265	ug/L	98
51) Chlorobenzene	9.443	112	219873	48.158	ug/L	99
52) Ethylbenzene	9.568	91	362951	47.242	ug/L	99
53) m,p-Xylene	9.690	106	139825	48.468	ug/L	93
54) o-Xylene	10.099	106	136552	48.382	ug/L	100
55) Styrene	10.112	104	242682	50.131	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	136632	48.305	ug/L	99
59) Bromoform	10.288	173	68580	46.838	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	105196	43.303	ug/L	99
61) Isopropylbenzene	10.481	105	376141	45.561	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	311192	45.999	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	309487	46.413	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	188577	46.704	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	189615	46.111	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	187804	46.087	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27756	44.785	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	140557	48.040	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	125022	47.134	ug/L	99
71) Naphthalene	14.082	128	346537	45.042	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	126148	47.809	ug/L	100

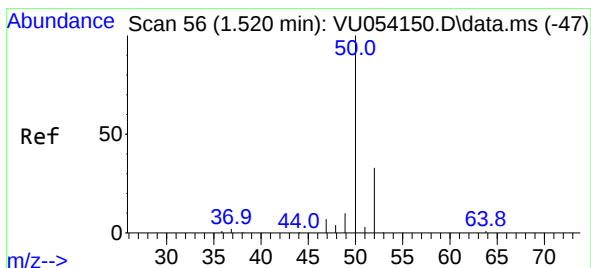
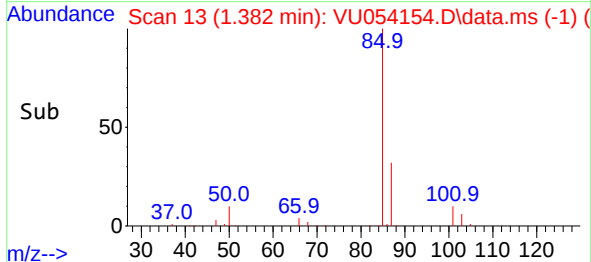
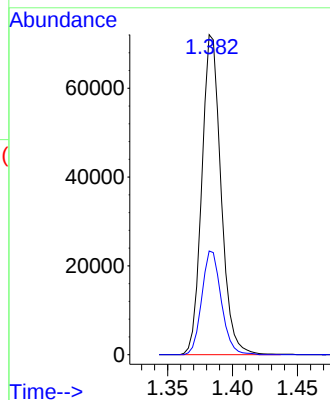
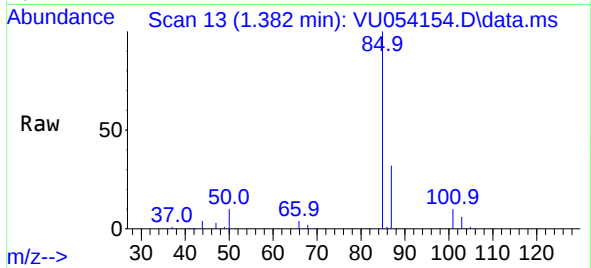
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#2
Dichlorodifluoromethane
Concen: 43.238 ug/L
RT: 1.382 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

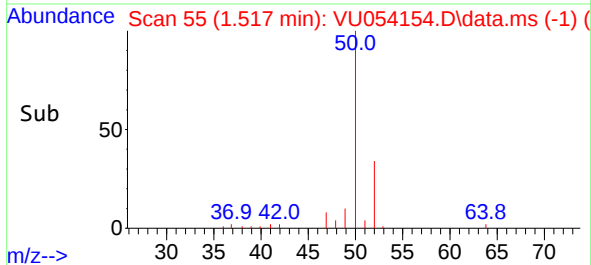
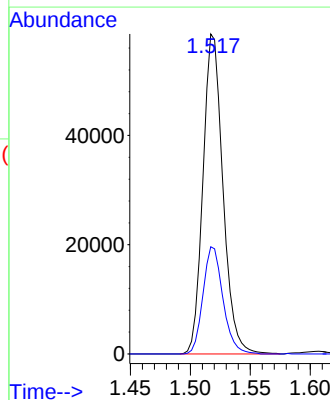
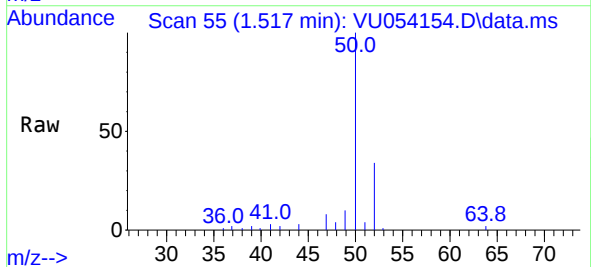
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MSVOA_U
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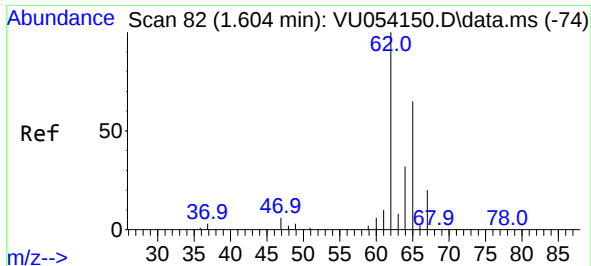
Tgt Ion: 85 Resp: 74293
Ion Ratio Lower Upper
85 100
87 32.8 26.0 39.0



#3
Chloromethane
Concen: 43.044 ug/L
RT: 1.517 min Scan# 55
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 50 Resp: 67973
Ion Ratio Lower Upper
50 100
52 33.5 22.4 41.6

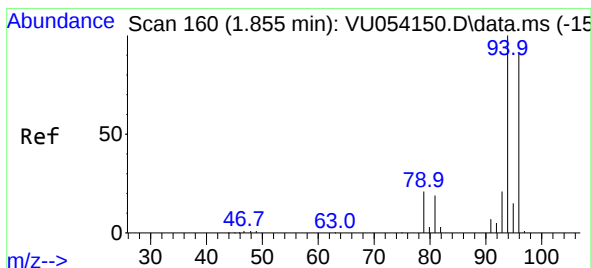
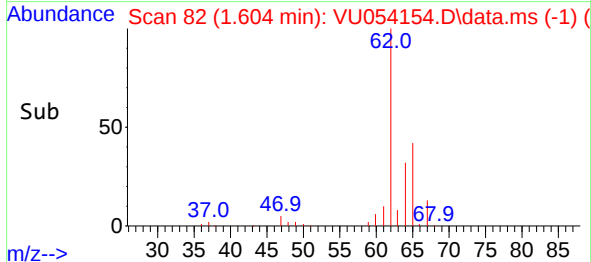
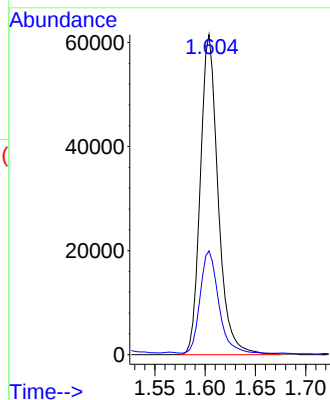
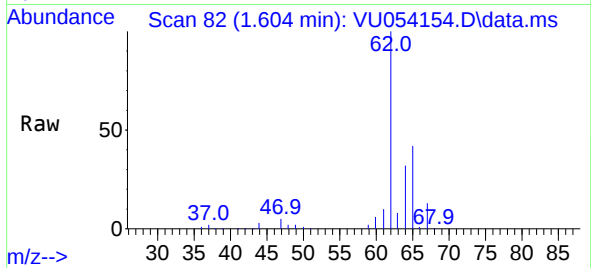




#5
Vinyl chloride
Concen: 45.034 ug/L
RT: 1.604 min Scan# 81
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

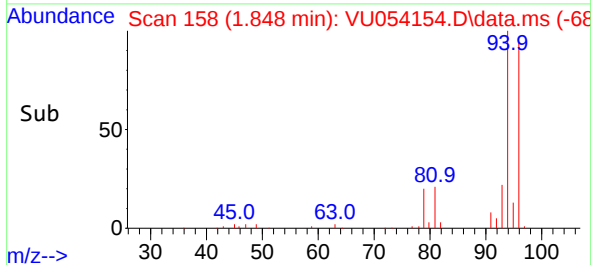
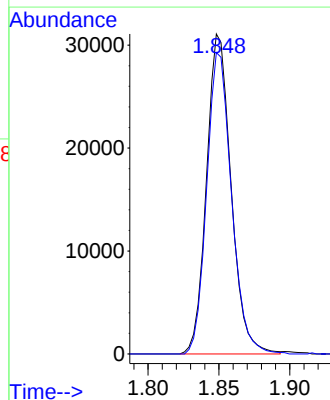
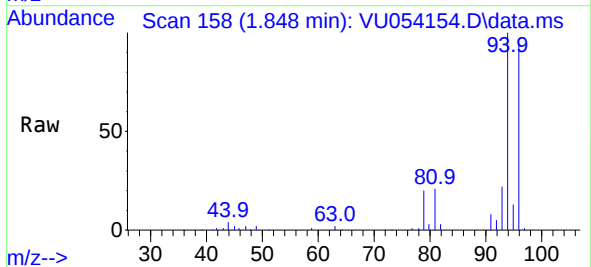
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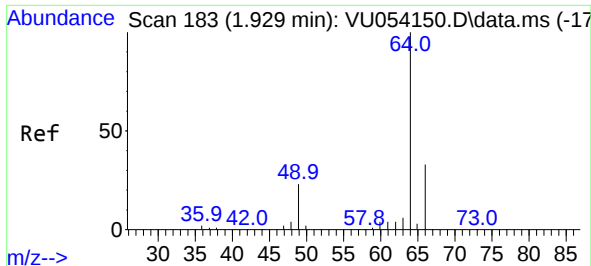
Tgt Ion: 62 Resp: 75639
Ion Ratio Lower Upper
62 100
64 32.5 24.1 44.7



#6
Bromomethane
Concen: 40.064 ug/L
RT: 1.848 min Scan# 158
Delta R.T. -0.009 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 94 Resp: 37512
Ion Ratio Lower Upper
94 100
96 94.2 63.9 118.7

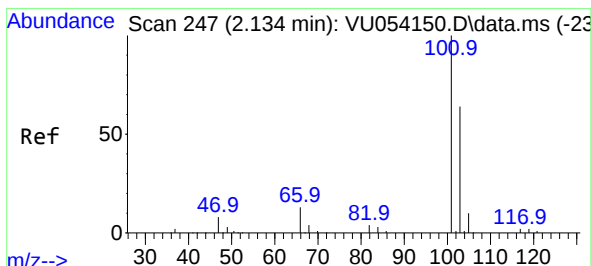
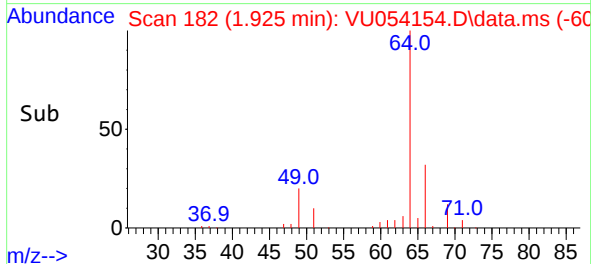
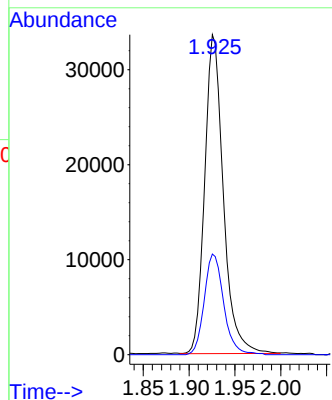
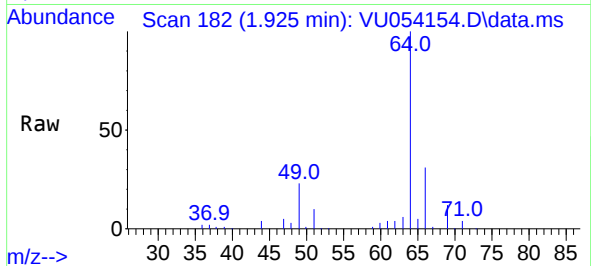




#8
Chloroethane
Concen: 51.855 ug/L
RT: 1.925 min Scan# 183
Delta R.T. -0.006 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

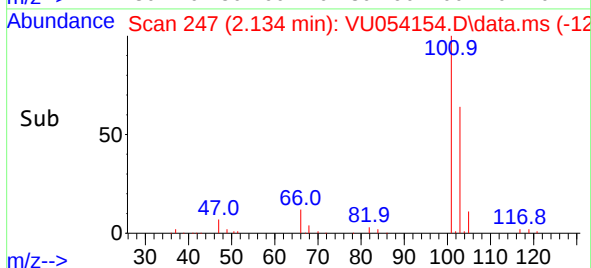
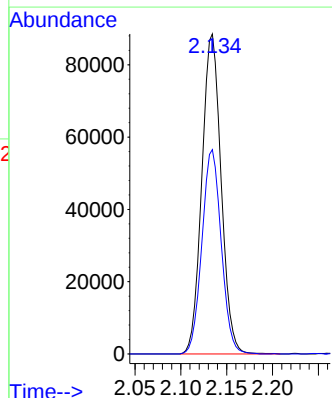
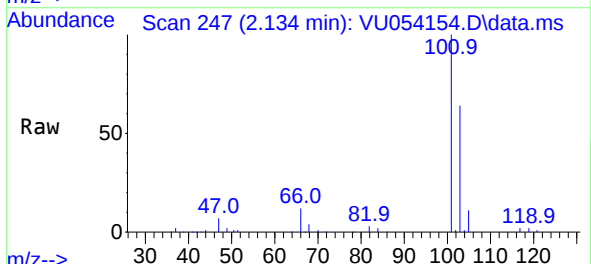
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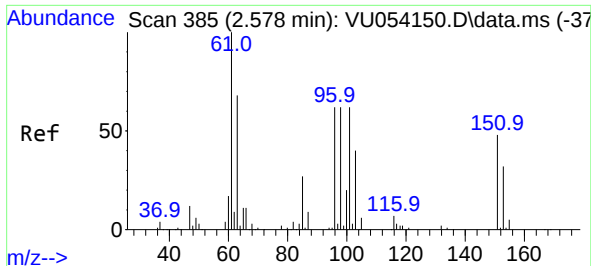
Tgt Ion: 64 Resp: 47461
Ion Ratio Lower Upper
64 100
66 31.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.555 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 101 Resp: 129417
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.4

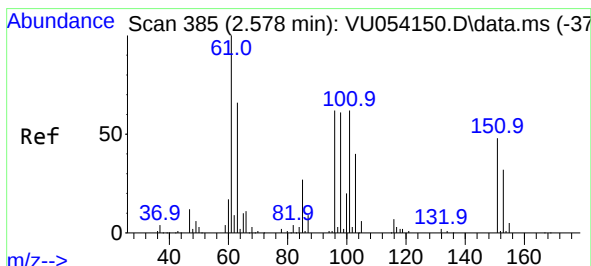
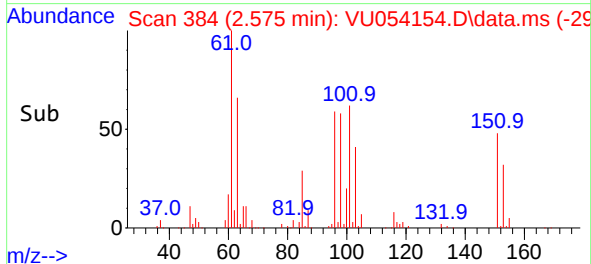
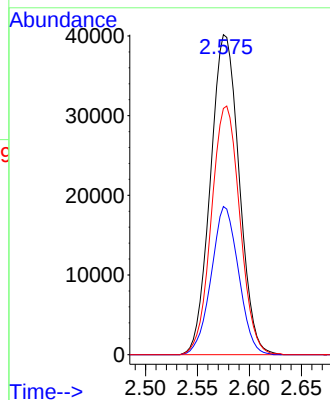
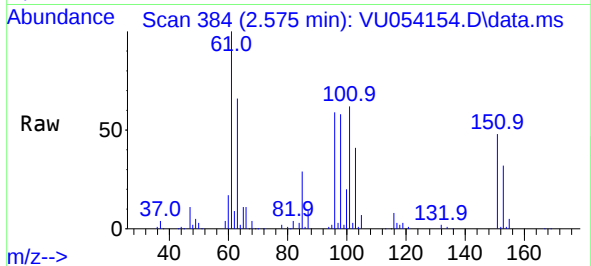




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 48.466 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

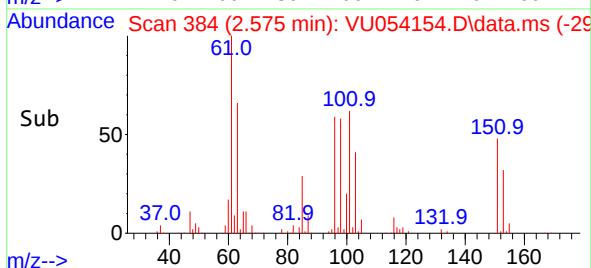
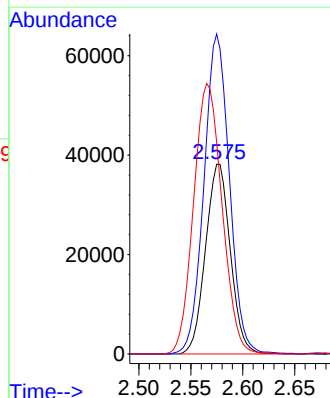
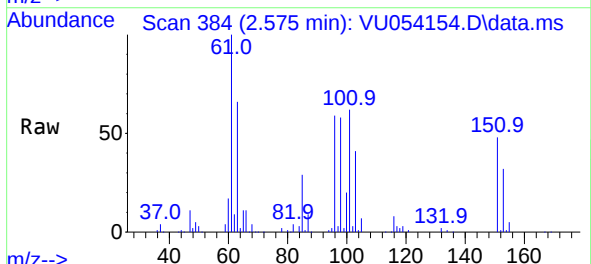
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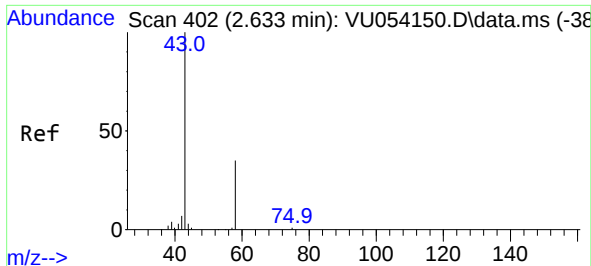
Tgt Ion:101 Resp: 77257
Ion Ratio Lower Upper
101 100
85 44.1 34.3 51.5
151 77.1 60.3 90.5



#12
1,1-Dichloroethene
Concen: 45.837 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 96 Resp: 63321
Ion Ratio Lower Upper
96 100
61 168.6 118.3 219.7
63 111.5 92.3 171.5

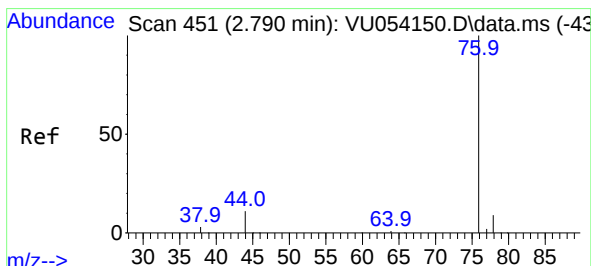
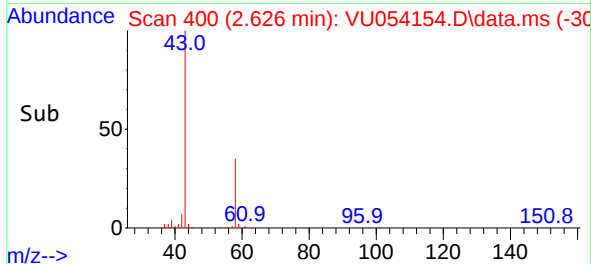
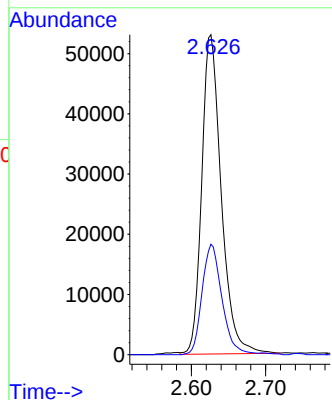
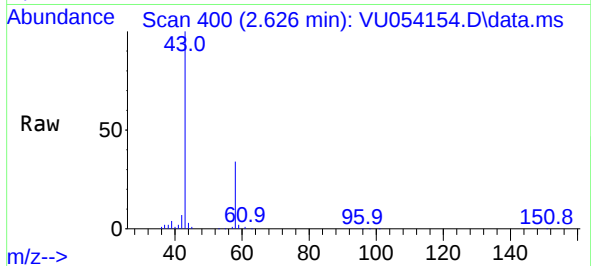




#13
Acetone
Concen: 96.210 ug/L
RT: 2.626 min Scan# 402
Delta R.T. -0.006 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

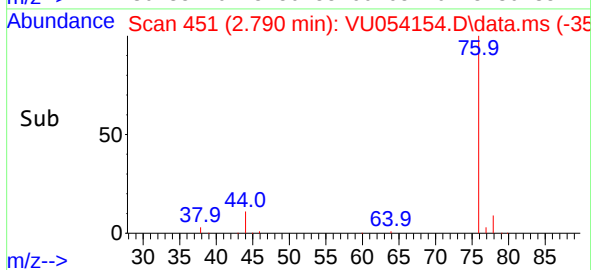
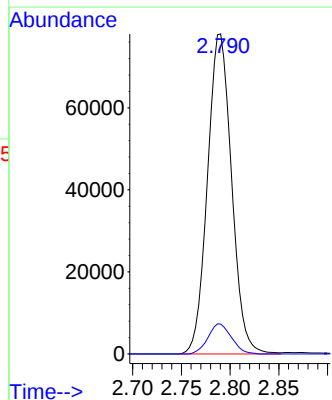
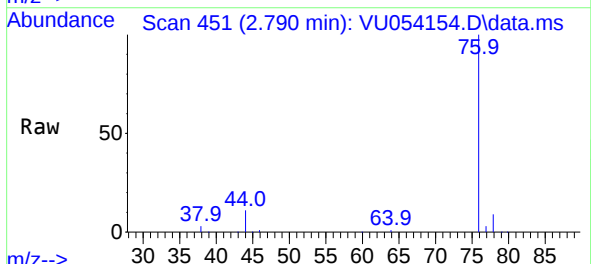
Instrument :
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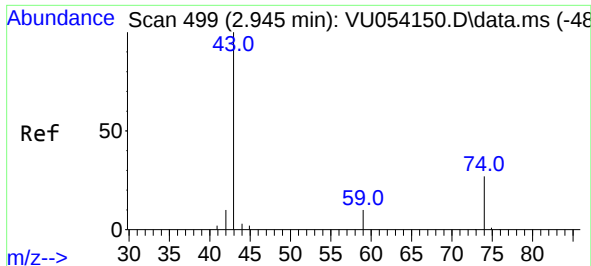
Tgt Ion: 43 Resp: 97009
Ion Ratio Lower Upper
43 100
58 35.1 0.0 67.4



#14
Carbon disulfide
Concen: 43.807 ug/L
RT: 2.790 min Scan# 451
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 76 Resp: 134314
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

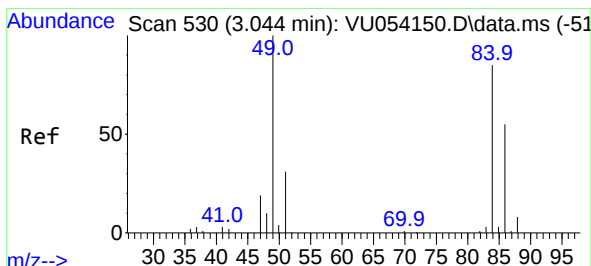
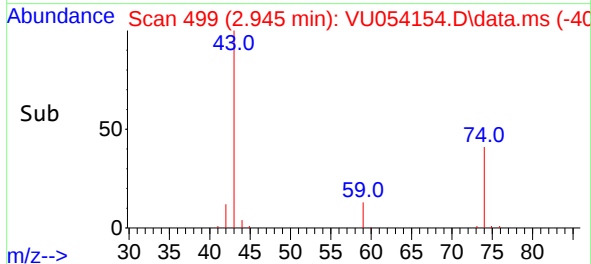
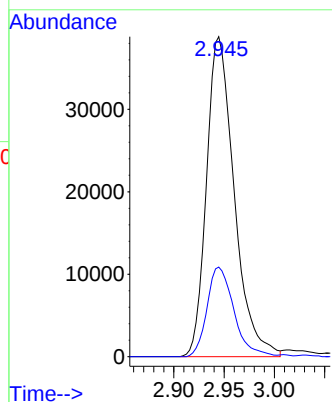
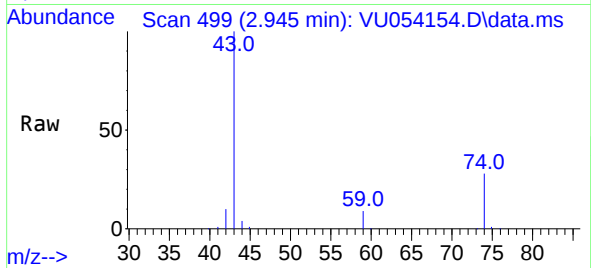




#15
Methyl Acetate
Concen: 47.146 ug/L
RT: 2.945 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

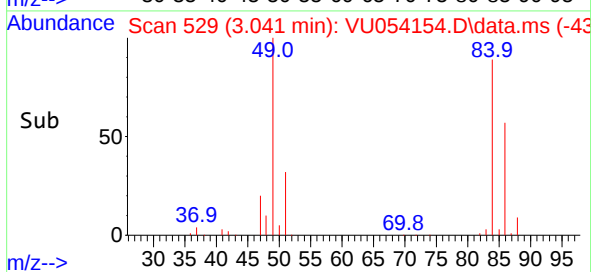
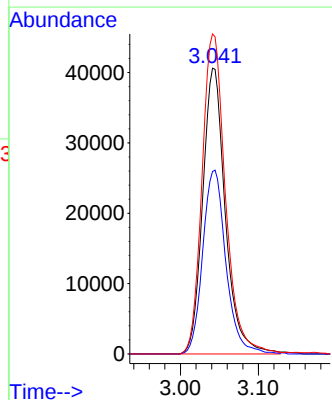
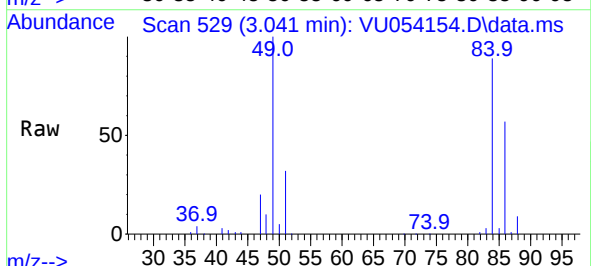
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

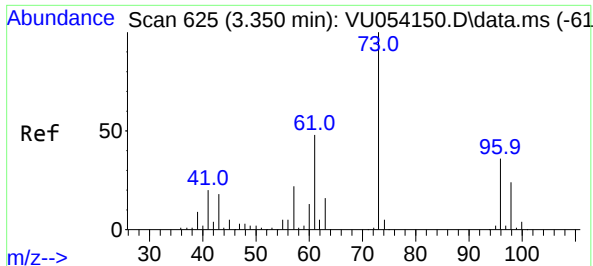
Tgt Ion: 43 Resp: 74447
Ion Ratio Lower Upper
43 100
74 27.2 21.2 31.8



#16
Methylene chloride
Concen: 47.155 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 84 Resp: 82156
Ion Ratio Lower Upper
84 100
86 63.8 45.8 85.2
49 112.0 83.0 154.2

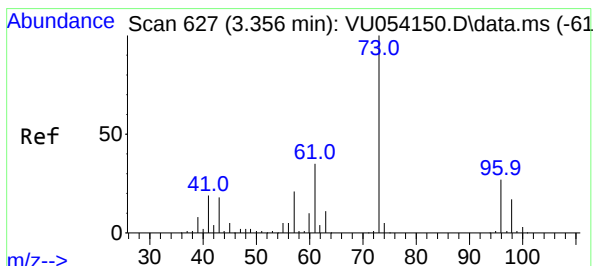
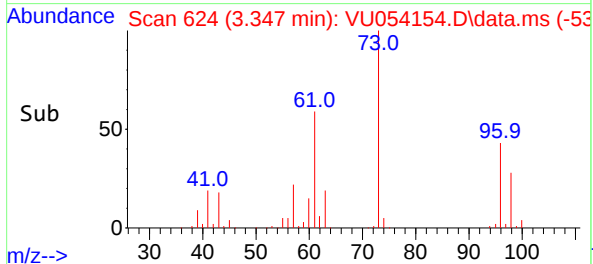
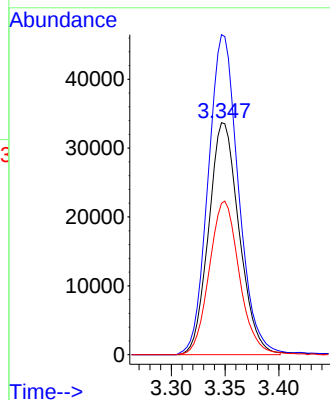
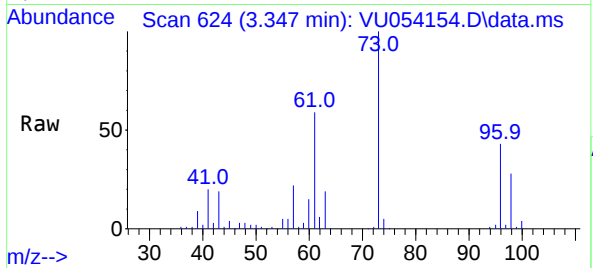




#17
trans-1,2-Dichloroethene
Concen: 46.961 ug/L
RT: 3.347 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

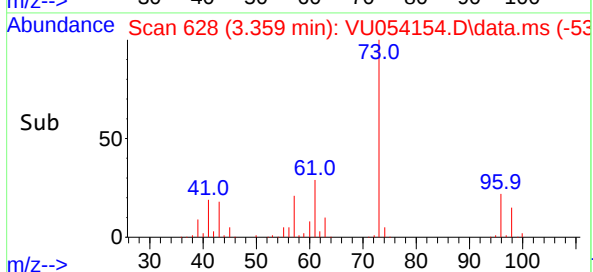
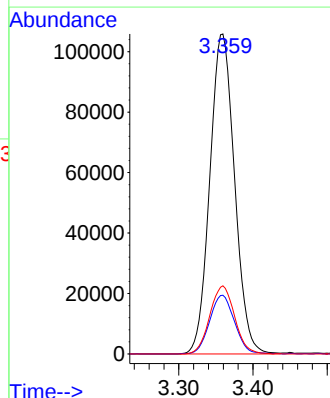
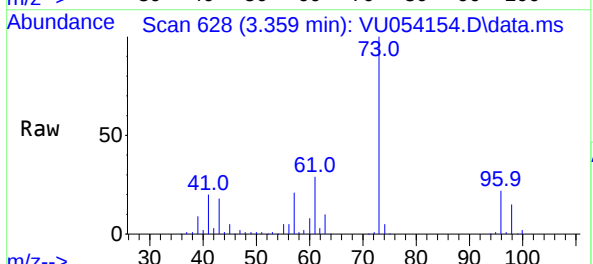
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

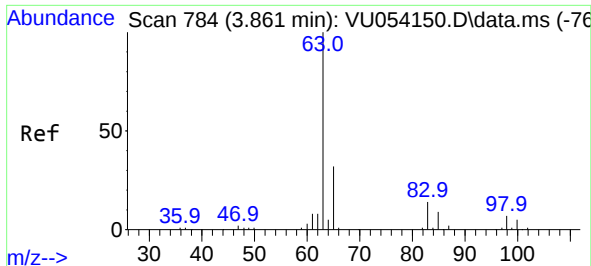
Tgt Ion: 96 Resp: 66335
Ion Ratio Lower Upper
96 100
61 138.0 97.5 181.1
98 65.3 44.8 83.2



#18
Methyl tert-butyl Ether
Concen: 47.208 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 73 Resp: 245155
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.0
57 21.4 18.0 27.0

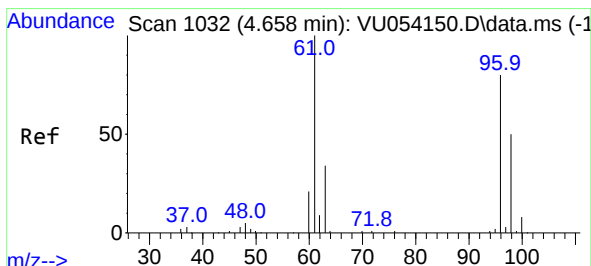
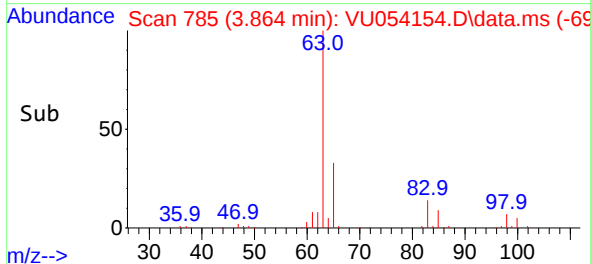
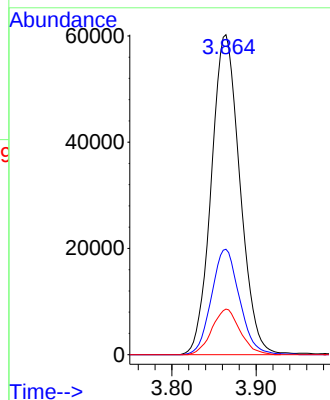
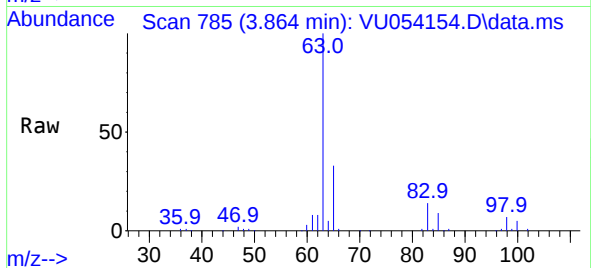




#19
1,1-Dichloroethane
Concen: 46.757 ug/L
RT: 3.864 min Scan# 784
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

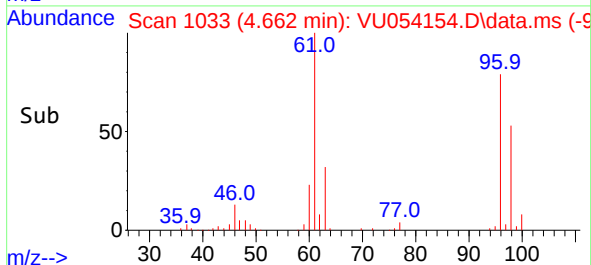
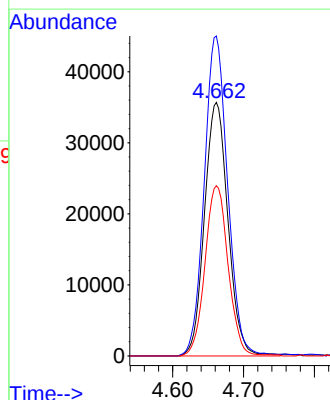
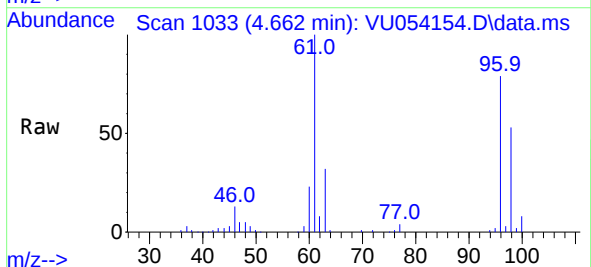
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

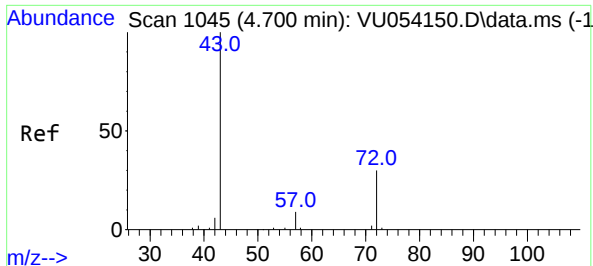
Tgt Ion: 63 Resp: 141808
Ion Ratio Lower Upper
63 100
65 33.0 22.0 40.8
83 14.3 9.9 18.3



#20
cis-1,2-Dichloroethene
Concen: 47.420 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 96 Resp: 82315
Ion Ratio Lower Upper
96 100
61 126.2 90.9 168.9
98 67.1 45.7 84.9

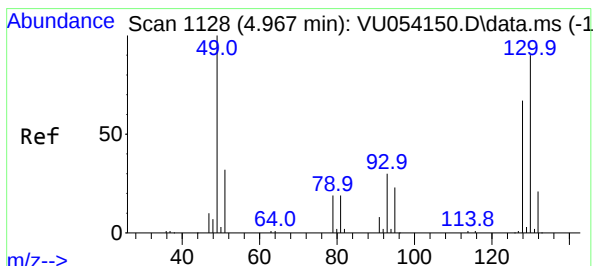
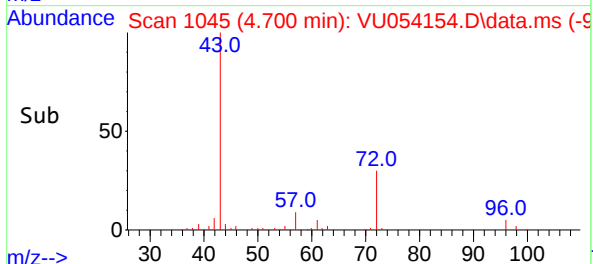
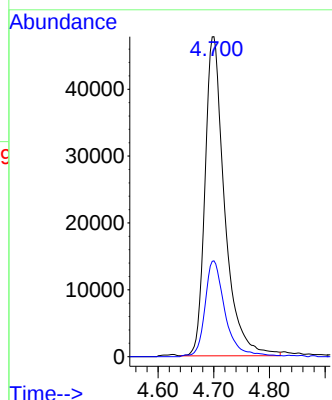
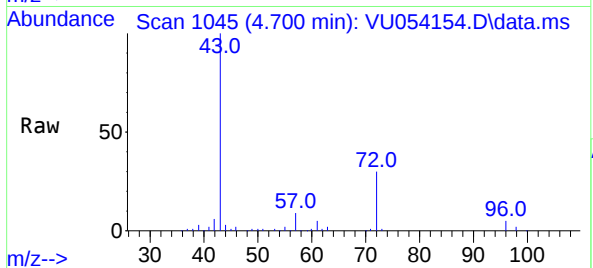




#22
2-Butanone
Concen: 98.315 ug/L
RT: 4.700 min Scan# 117036
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

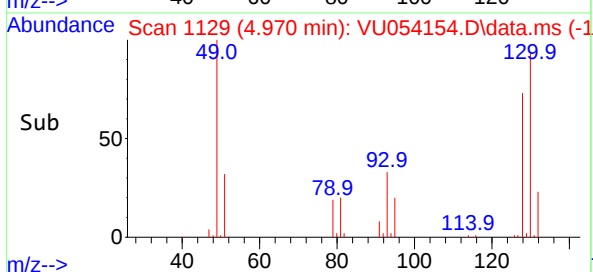
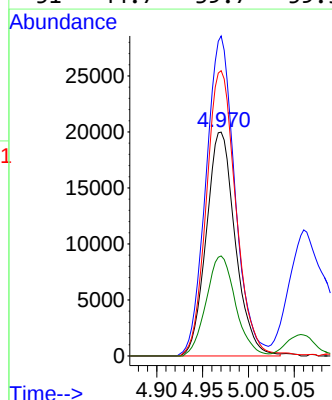
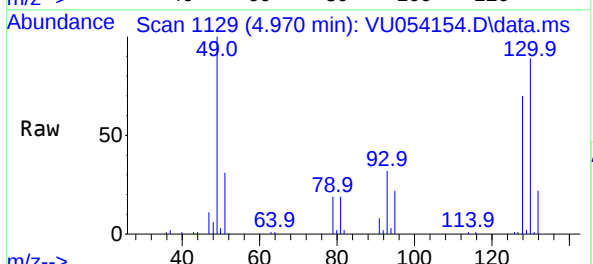
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

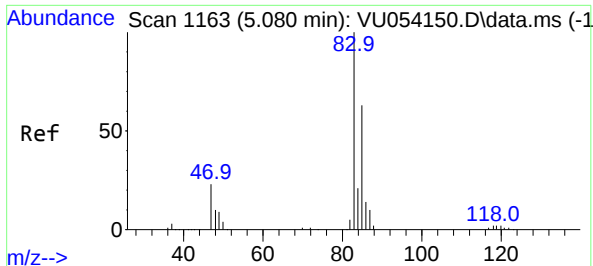
Tgt Ion: 43 Resp: 117036
Ion Ratio Lower Upper
43 100
72 29.1 14.0 41.9



#23
Bromochloromethane
Concen: 48.768 ug/L
RT: 4.970 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion:128 Resp: 43888
Ion Ratio Lower Upper
128 100
49 143.0 107.5 199.7
130 127.5 91.0 169.0
51 44.7 39.7 59.5





#25

Chloroform

Concen: 48.390 ug/L

RT: 5.083 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

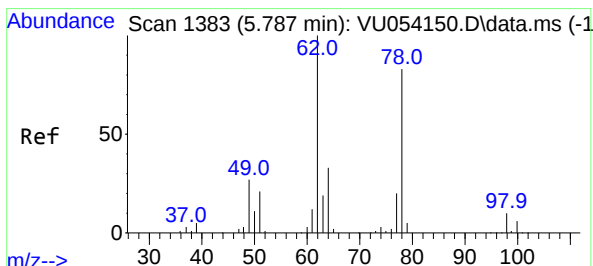
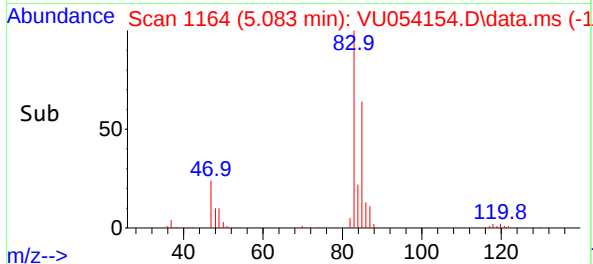
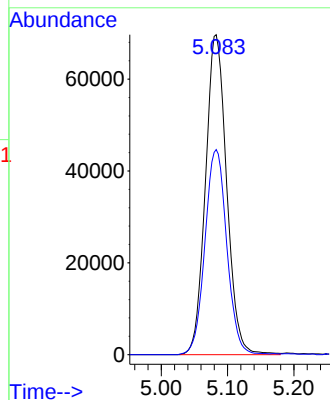
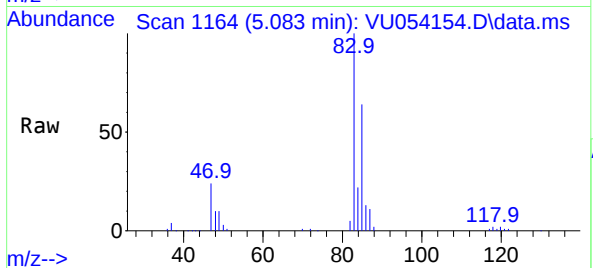
VSTD050101

Tgt Ion: 83 Resp: 154871

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0



#27

1,2-Dichloroethane

Concen: 47.513 ug/L

RT: 5.787 min Scan# 1383

Delta R.T. -0.003 min

Lab File: VU054154.D

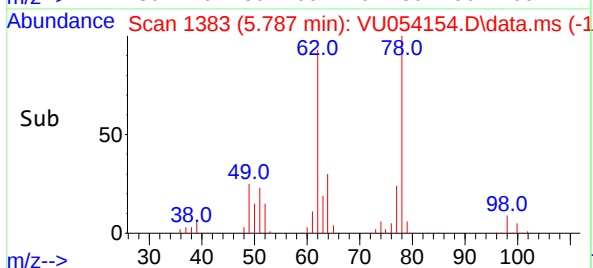
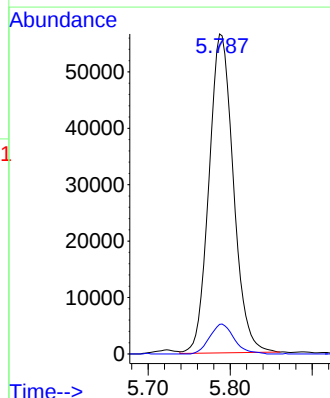
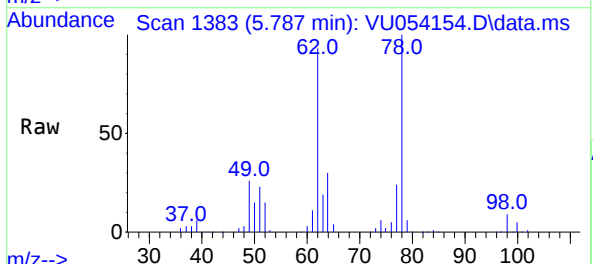
Acq: 11 May 2023 15:24

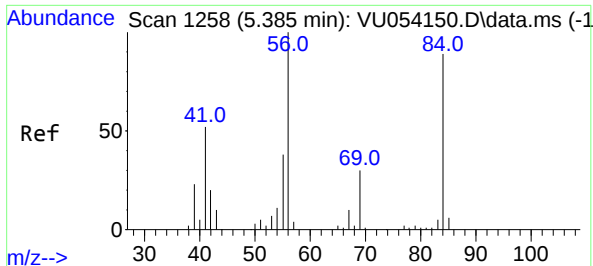
Tgt Ion: 62 Resp: 116965

Ion Ratio Lower Upper

62 100

98 9.2 8.0 12.0





#29

Cyclohexane

Concen: 43.385 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

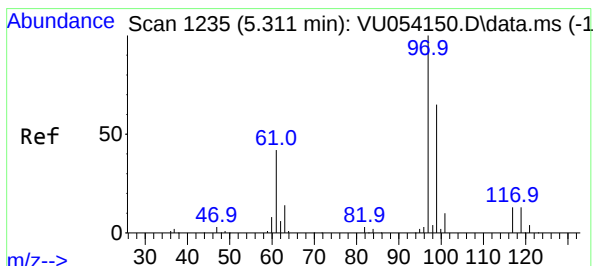
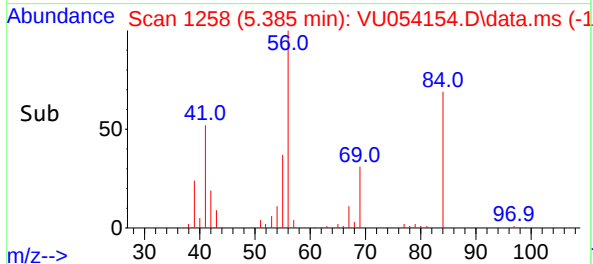
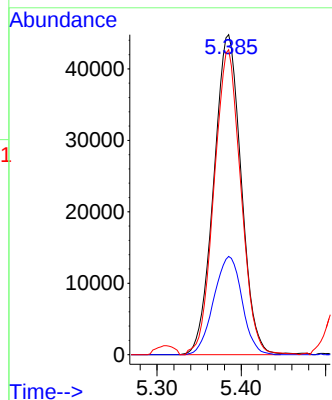
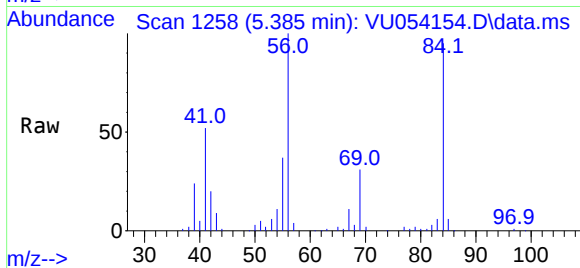
Tgt Ion: 56 Resp: 101009

Ion Ratio Lower Upper

56 100

69 31.7 25.8 38.6

84 93.1 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 47.426 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

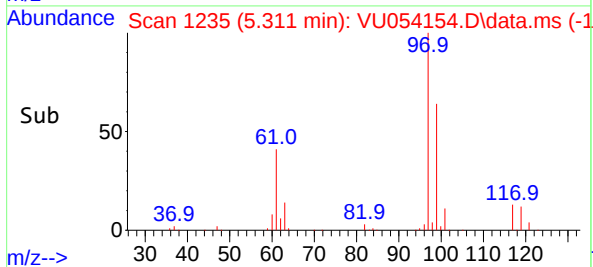
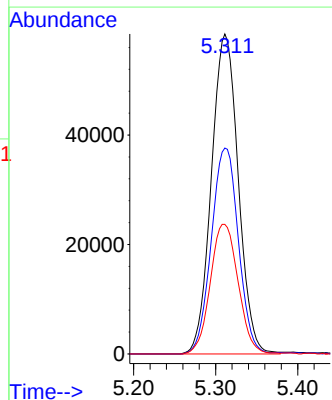
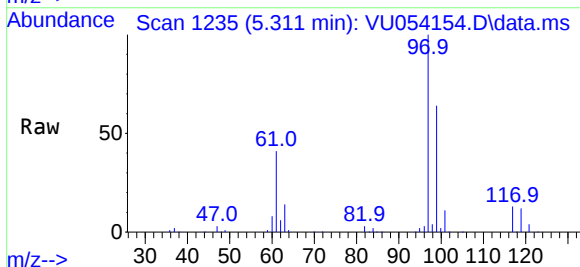
Tgt Ion: 97 Resp: 133169

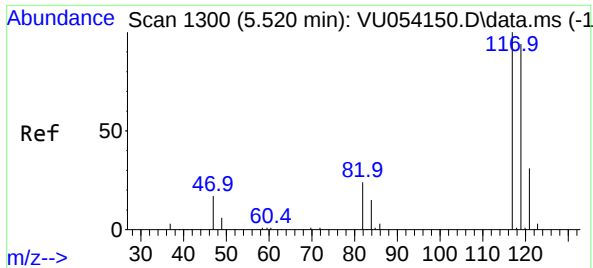
Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

61 42.0 34.2 51.4

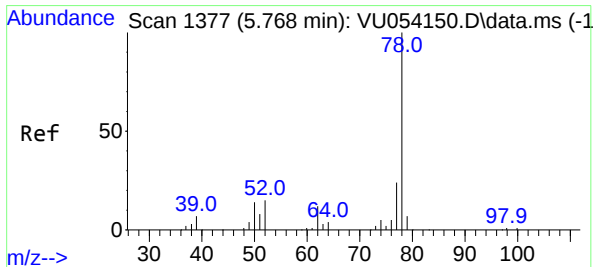
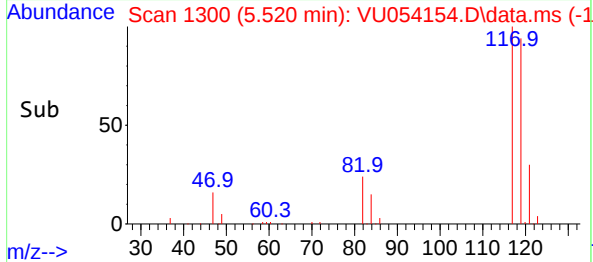
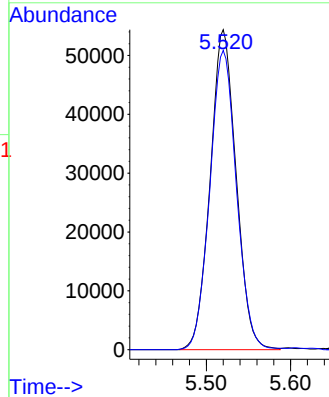
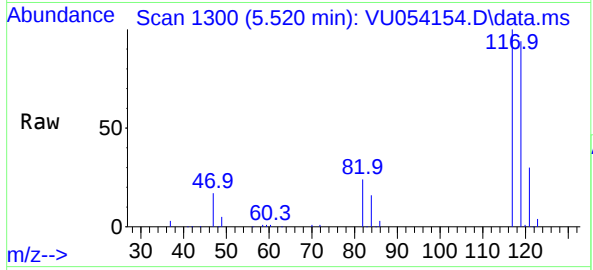




#31
Carbon tetrachloride
Concen: 48.577 ug/L
RT: 5.520 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

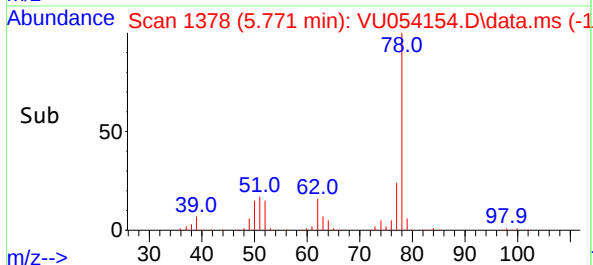
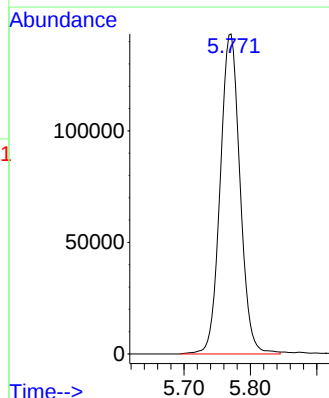
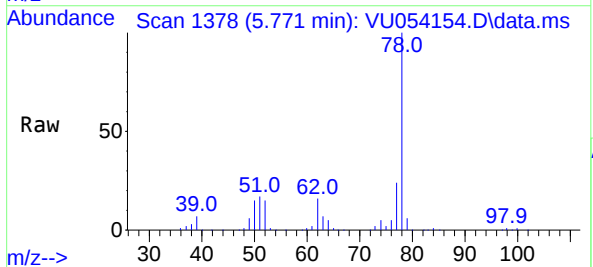
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

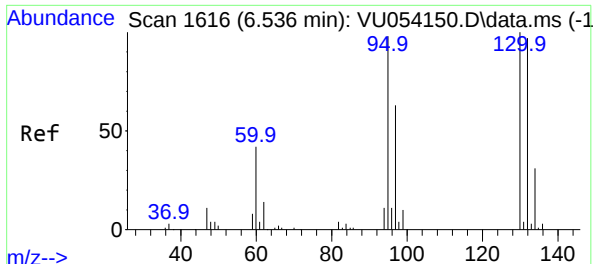
Tgt Ion:117 Resp: 116367
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.6



#33
Benzene
Concen: 45.345 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 78 Resp: 297327



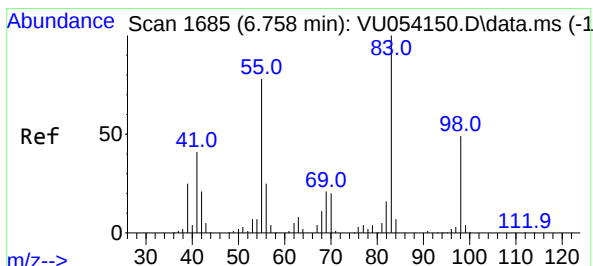
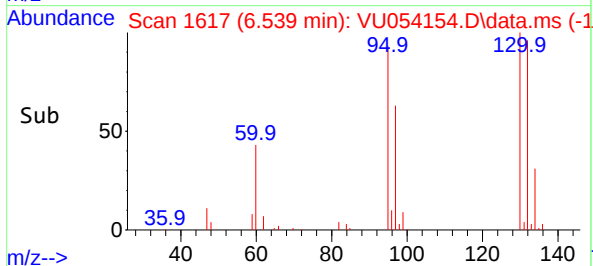
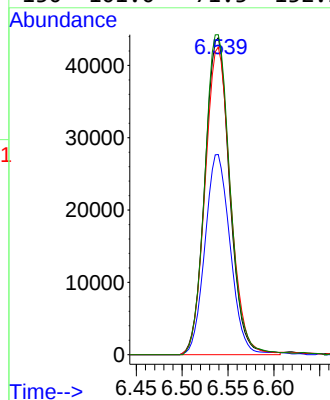
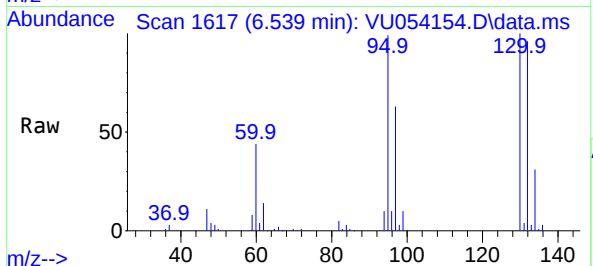


#34
Trichloroethene
Concen: 47.251 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

Tgt Ion: 95 Resp: 82231

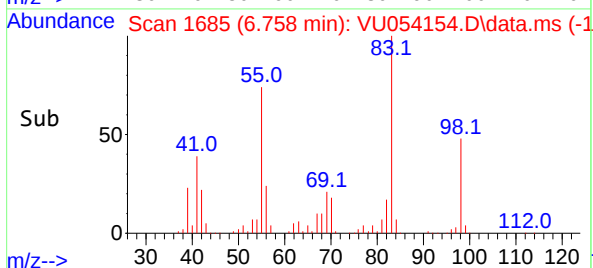
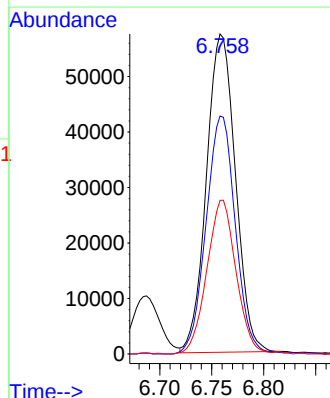
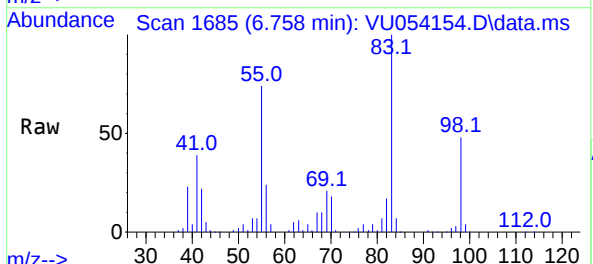
Ion	Ratio	Lower	Upper
95	100		
97	63.2	46.5	86.3
132	97.0	67.8	126.0
130	101.0	71.3	132.3

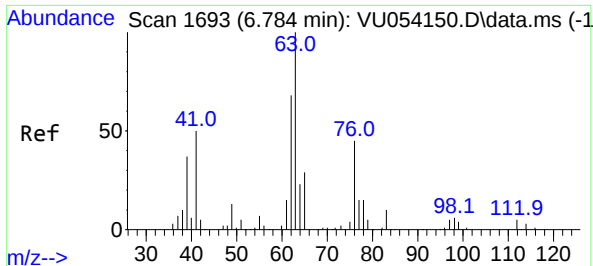


#35
Methylcyclohexane
Concen: 45.647 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 83 Resp: 111413

Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.8	92.6
98	48.6	38.4	57.6

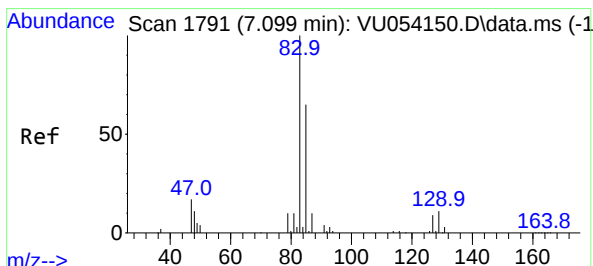
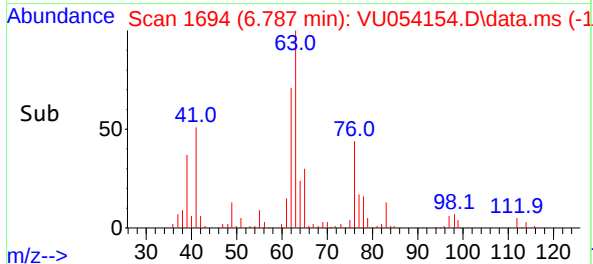
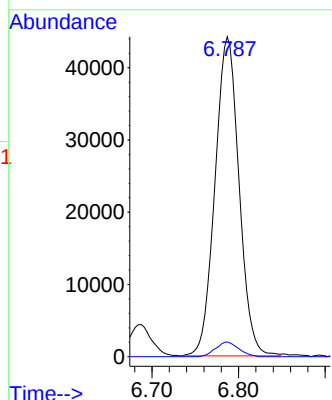
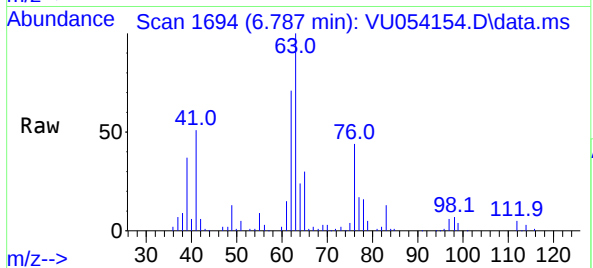




#37
1,2-Dichloropropane
Concen: 45.854 ug/L
RT: 6.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

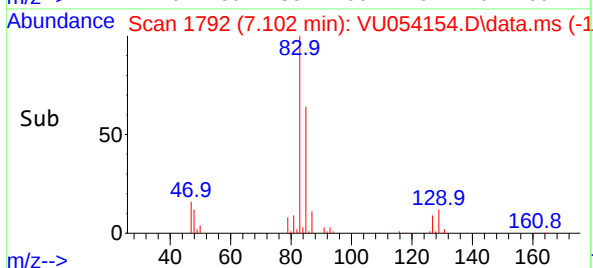
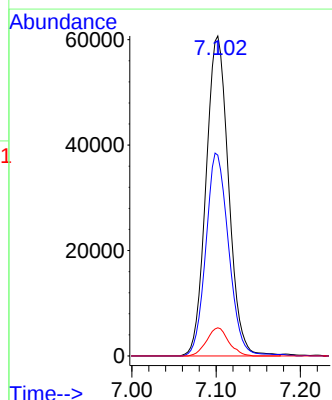
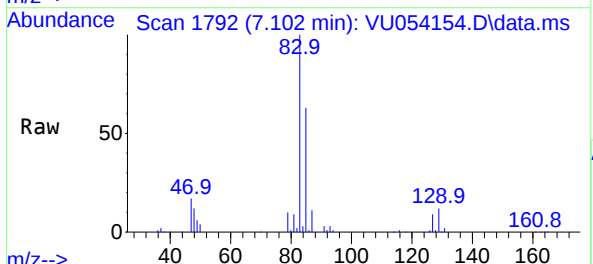
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

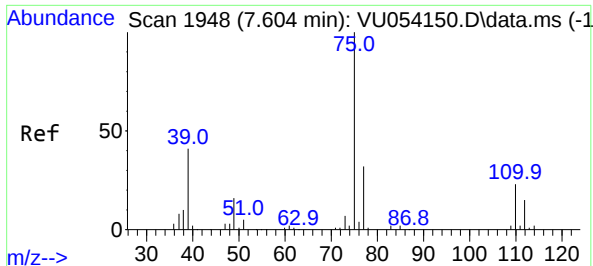
Tgt Ion: 63 Resp: 85063
Ion Ratio Lower Upper
63 100
112 4.4 3.4 5.0



#38
Bromodichloromethane
Concen: 48.394 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 83 Resp: 113104
Ion Ratio Lower Upper
83 100
85 62.7 45.0 83.6
127 8.8 7.1 10.7

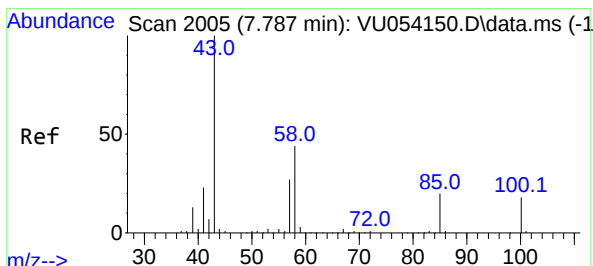
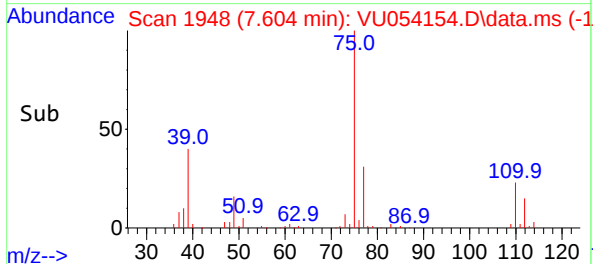
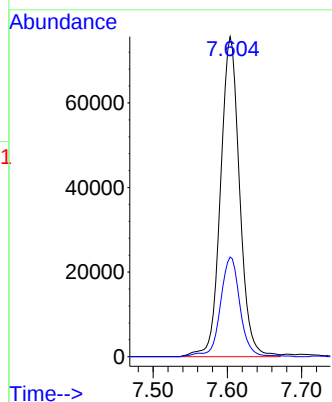
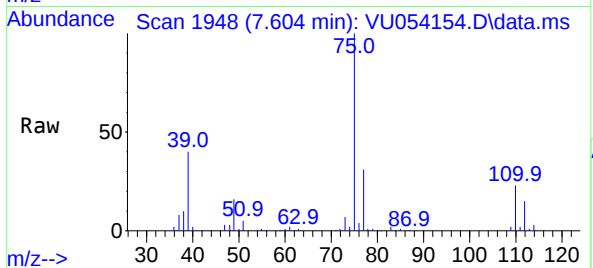




#39
cis-1,3-Dichloropropene
Concen: 46.629 ug/L
RT: 7.604 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

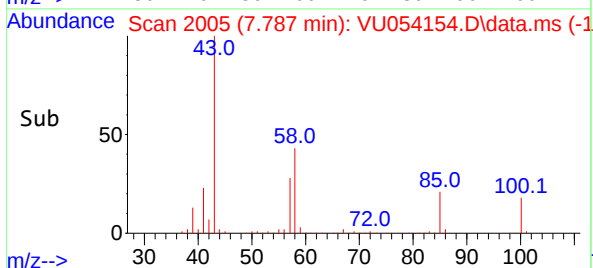
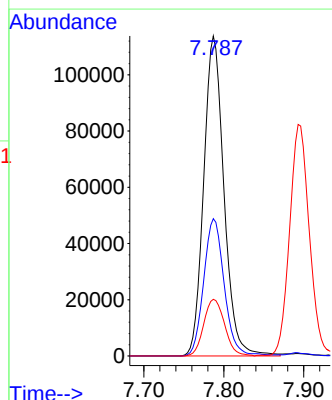
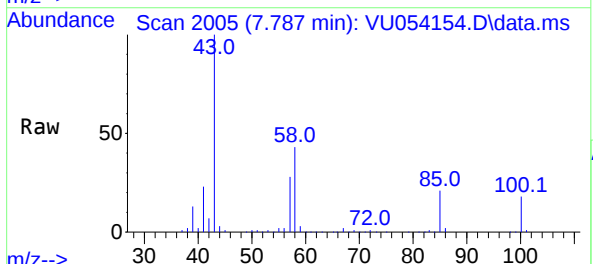
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

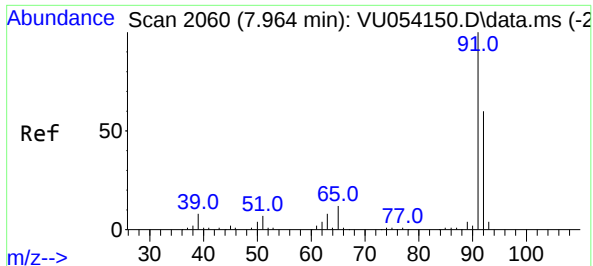
Tgt Ion: 75 Resp: 135319
Ion Ratio Lower Upper
75 100
77 31.2 21.1 39.1



#40
4-Methyl-2-pentanone
Concen: 92.971 ug/L
RT: 7.787 min Scan# 2005
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 43 Resp: 200991
Ion Ratio Lower Upper
43 100
58 43.5 34.5 51.7
100 18.2 13.8 20.6

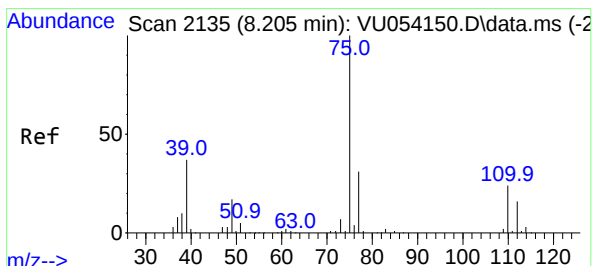
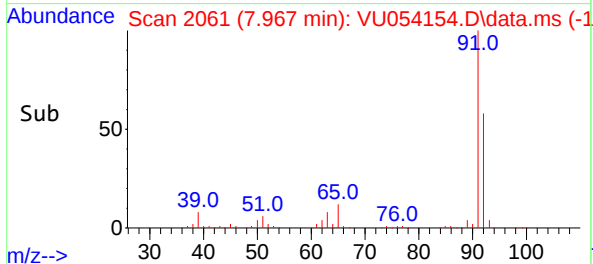
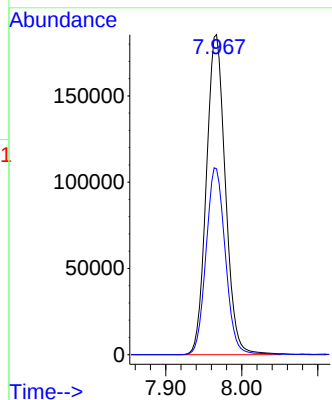
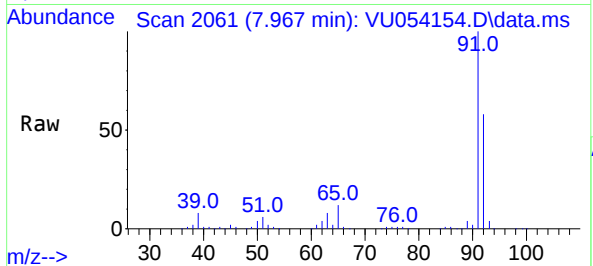




#42
Toluene
Concen: 47.233 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

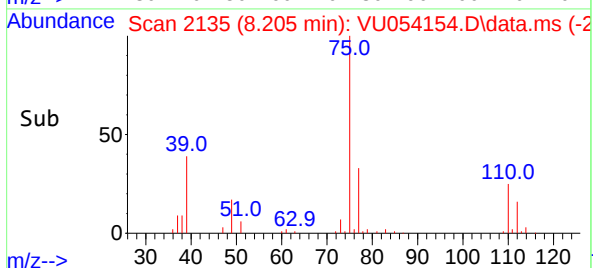
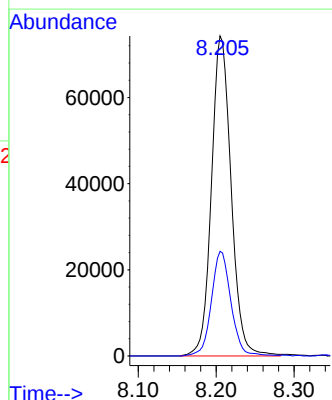
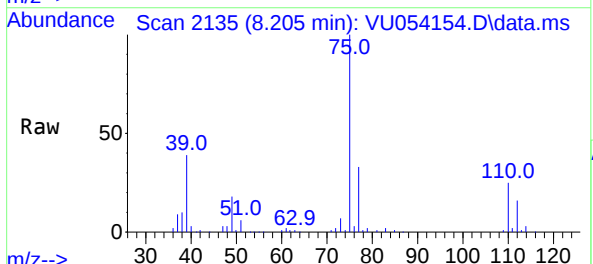
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

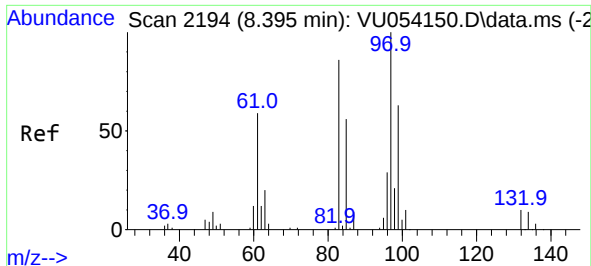
Tgt Ion: 91 Resp: 322420
Ion Ratio Lower Upper
91 100
92 58.1 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 47.242 ug/L
RT: 8.205 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 75 Resp: 130291
Ion Ratio Lower Upper
75 100
77 32.7 22.5 41.7

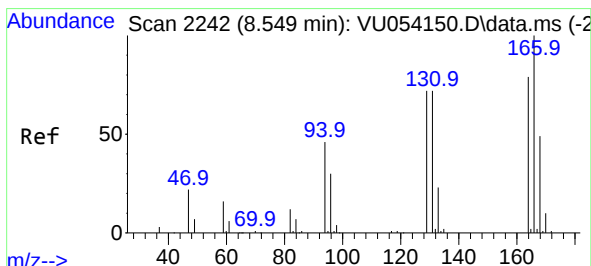
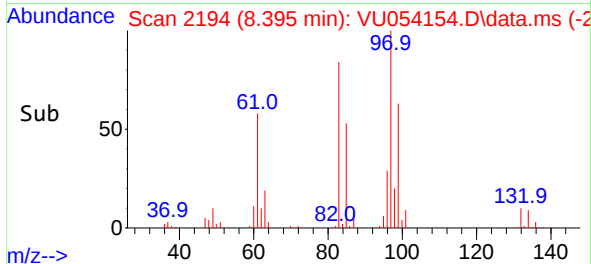
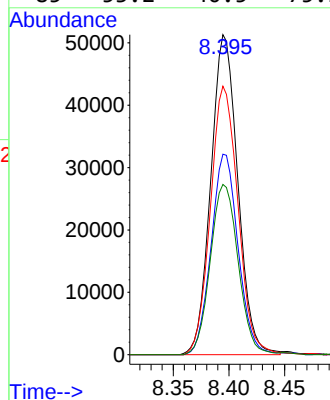
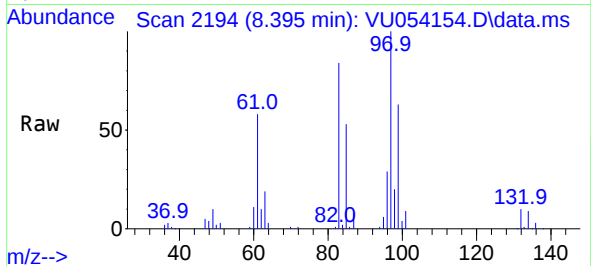




#45
1,1,2-Trichloroethane
Concen: 48.192 ug/L
RT: 8.395 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

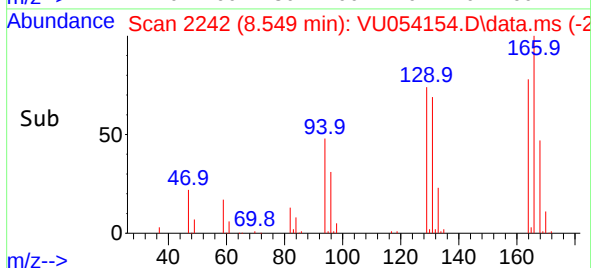
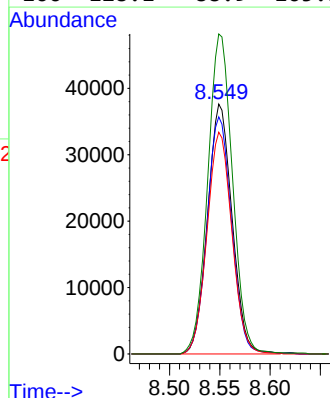
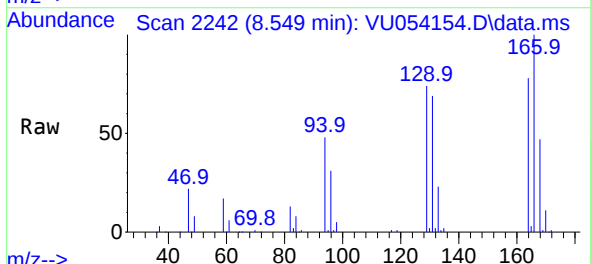
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

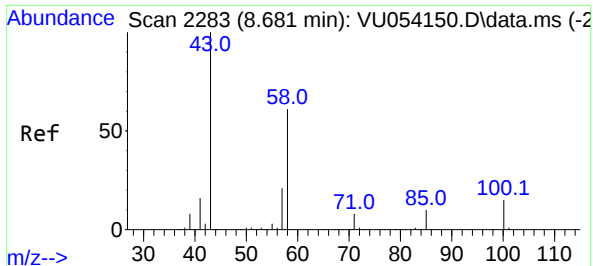
Tgt Ion:	97	Resp:	86532
Ion	Ratio	Lower	Upper
97	100		
99	62.6	46.2	85.8
83	83.9	62.7	116.5
85	53.2	40.5	75.1



#46
Tetrachloroethene
Concen: 46.389 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion:	164	Resp:	64048
Ion	Ratio	Lower	Upper
164	100		
129	94.9	65.6	121.8
131	88.7	63.8	118.4
166	128.1	88.9	165.1



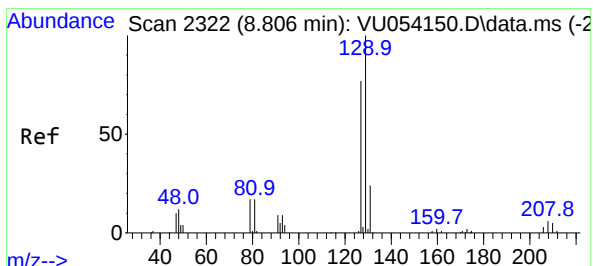
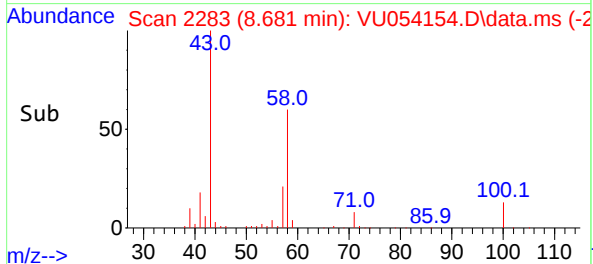
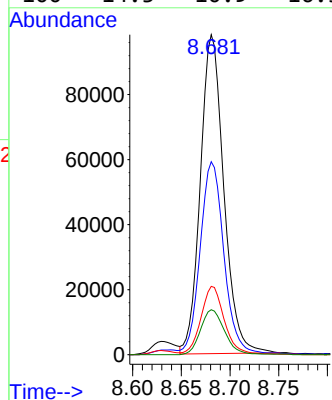
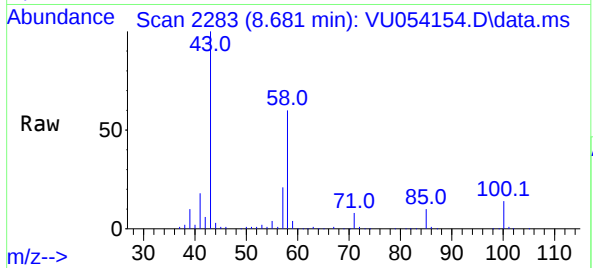


#48
2-Hexanone
Concen: 95.963 ug/L
RT: 8.681 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

Tgt Ion: 43 Resp: 164412

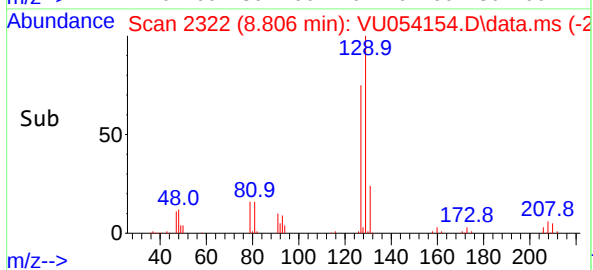
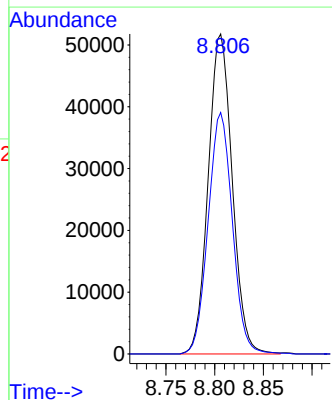
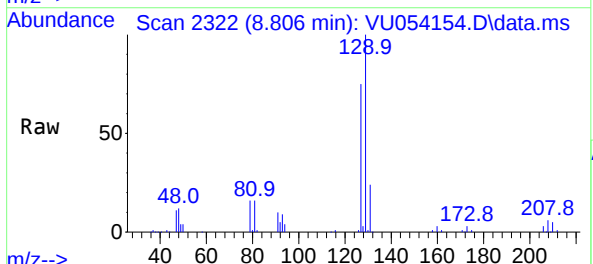
Ion	Ratio	Lower	Upper
43	100		
58	60.4	48.5	72.7
57	21.2	16.5	24.7
100	14.3	10.9	16.3

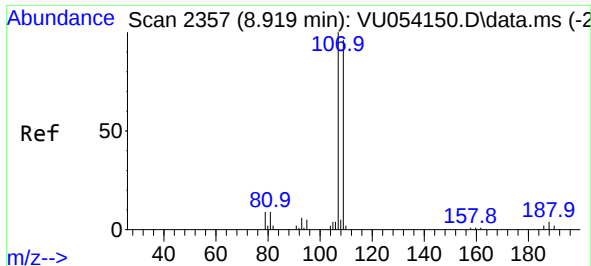


#49
Dibromochloromethane
Concen: 50.177 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 129 Resp: 88780

Ion	Ratio	Lower	Upper
129	100		
127	75.4	52.9	98.3





#50

1,2-Dibromoethane

Concen: 48.265 ug/L

RT: 8.919 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

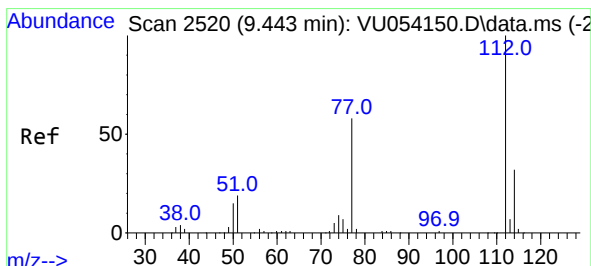
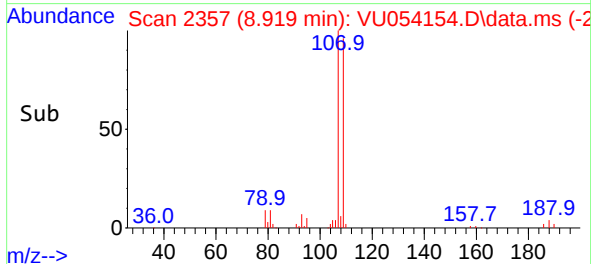
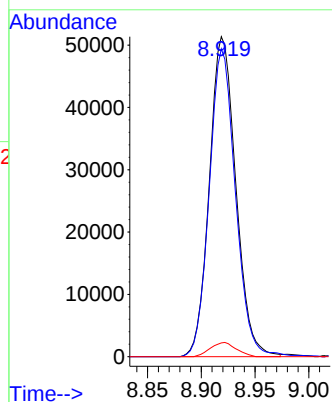
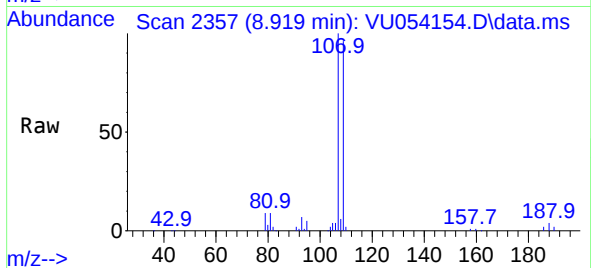
Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

Tgt Ion:	107	Resp:	87965
Ion	Ratio	Lower	Upper
107	100		
109	96.2	66.1	122.8
188	4.3	3.1	4.7



#51

Chlorobenzene

Concen: 48.158 ug/L

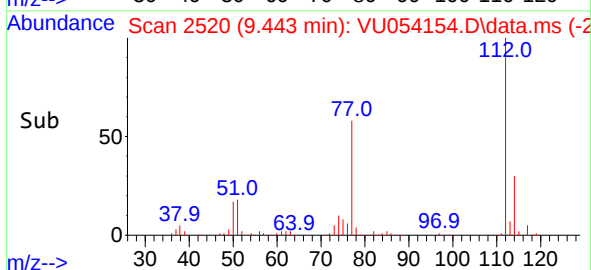
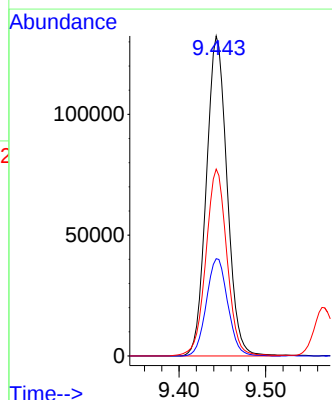
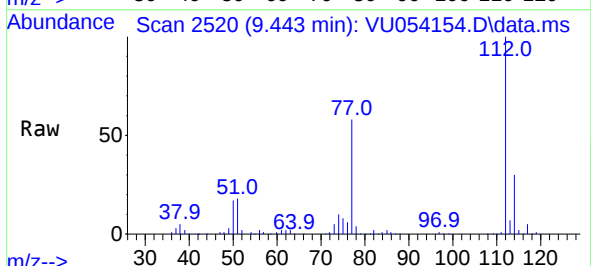
RT: 9.443 min Scan# 2520

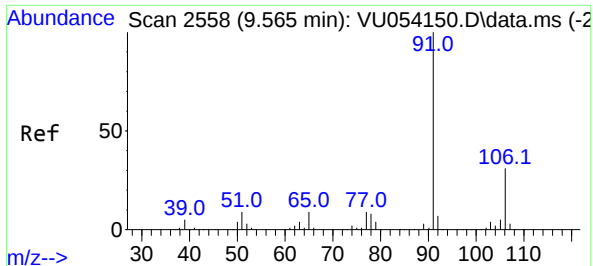
Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

Tgt Ion:	112	Resp:	219873
Ion	Ratio	Lower	Upper
112	100		
114	30.4	22.3	41.3
77	58.4	47.0	70.4





#52

Ethylbenzene

Concen: 47.242 ug/L

RT: 9.568 min Scan# 2558

Delta R.T. 0.003 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

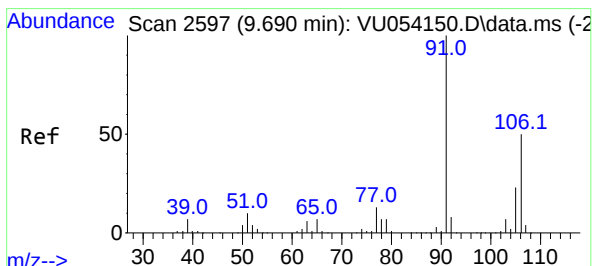
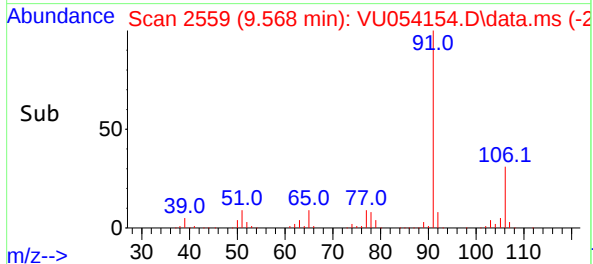
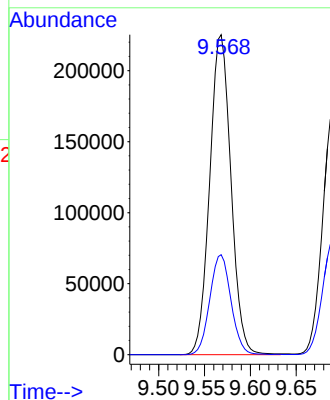
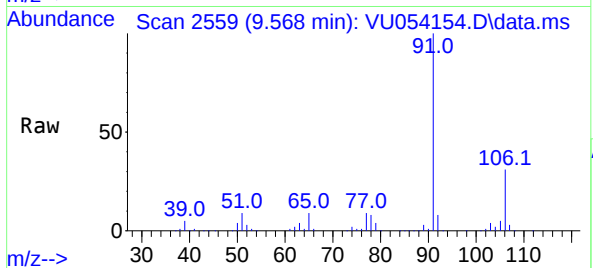
VSTD050101

Tgt Ion: 91 Resp: 362951

Ion Ratio Lower Upper

91 100

106 31.3 21.3 39.6



#53

m,p-Xylene

Concen: 48.468 ug/L

RT: 9.690 min Scan# 2597

Delta R.T. 0.000 min

Lab File: VU054154.D

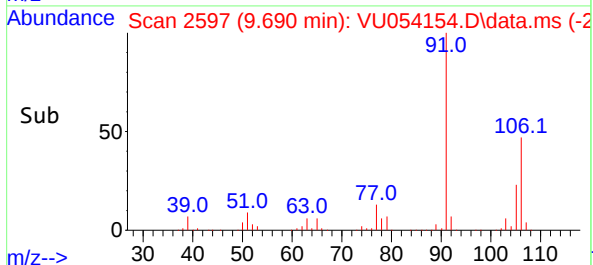
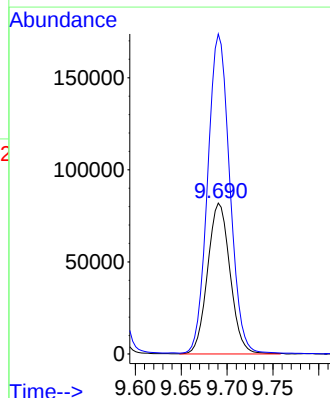
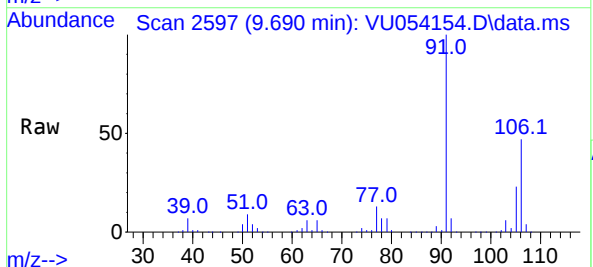
Acq: 11 May 2023 15:24

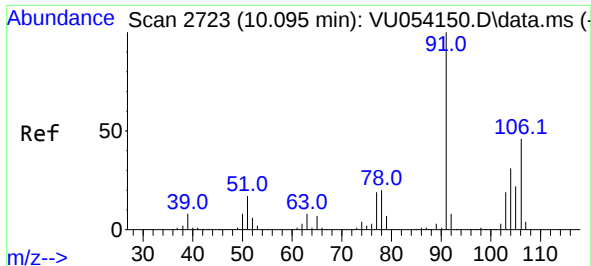
Tgt Ion:106 Resp: 139825

Ion Ratio Lower Upper

106 100

91 212.0 140.5 260.9

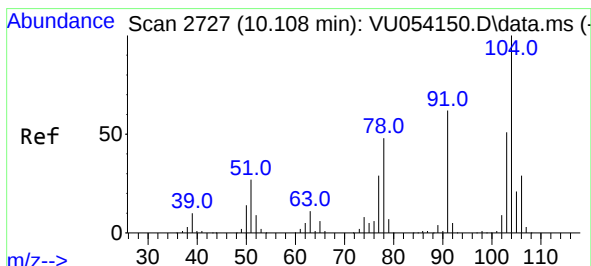
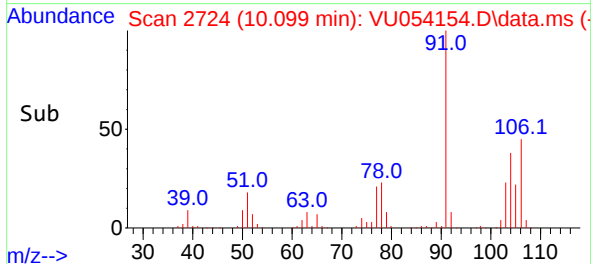
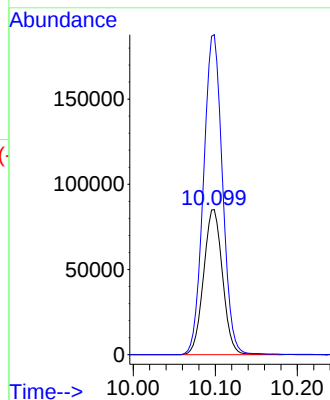
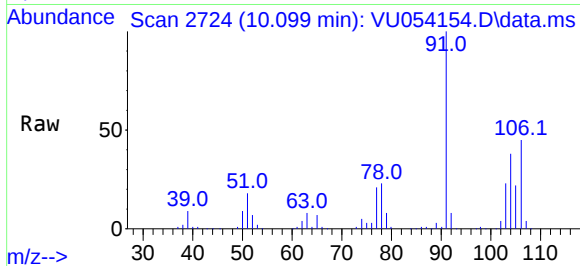




#54
o-Xylene
Concen: 48.382 ug/L
RT: 10.099 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

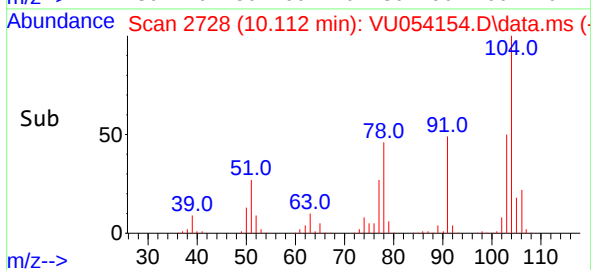
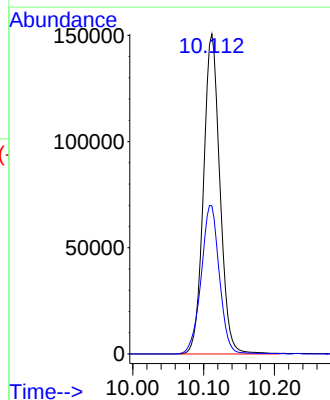
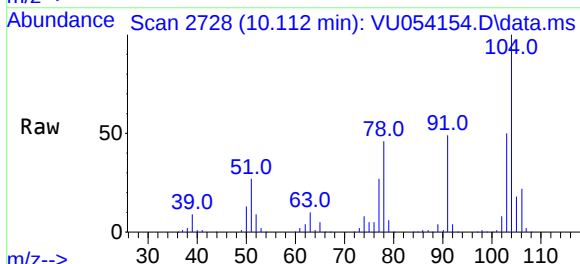
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

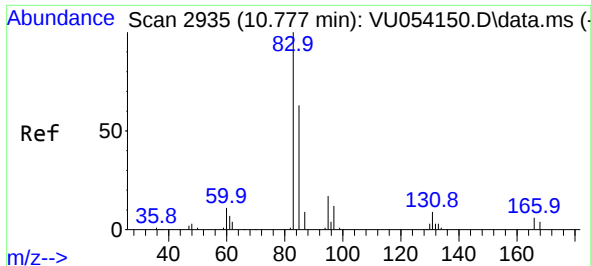
Tgt Ion:106 Resp: 136552
Ion Ratio Lower Upper
106 100
91 220.5 154.9 287.7



#55
Styrene
Concen: 50.131 ug/L
RT: 10.112 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion:104 Resp: 242682
Ion Ratio Lower Upper
104 100
78 46.3 33.2 61.7

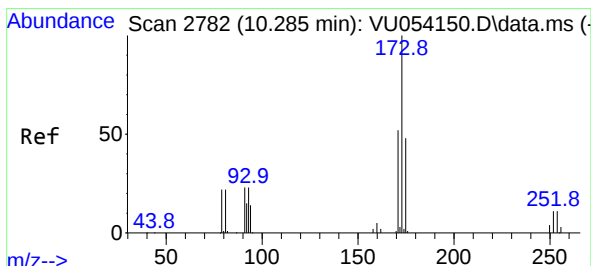
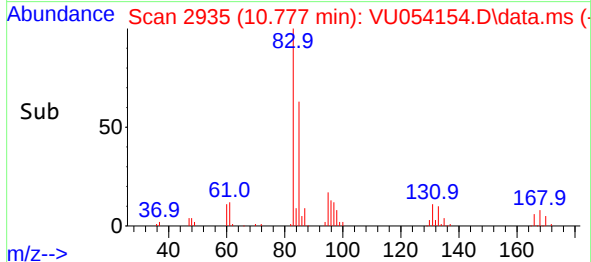
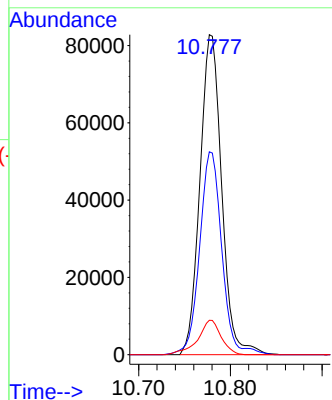
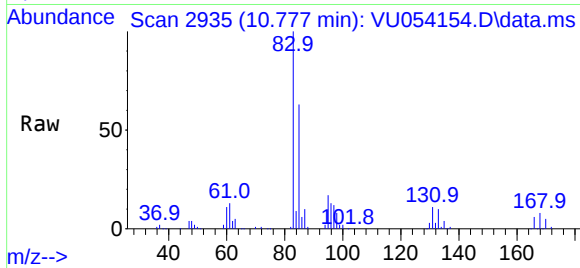




#57
1,1,2,2-Tetrachloroethane
Concen: 48.305 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

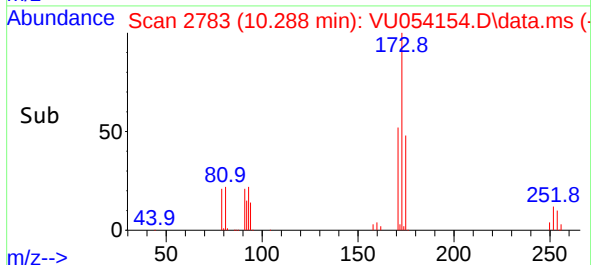
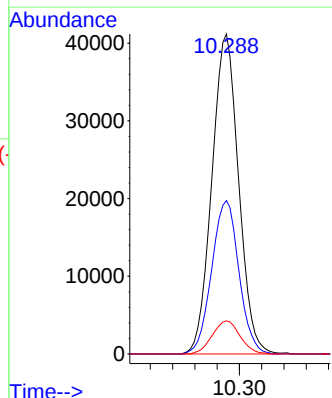
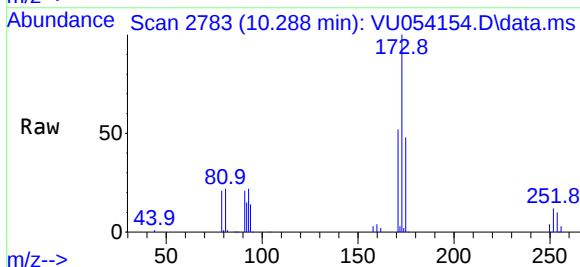
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

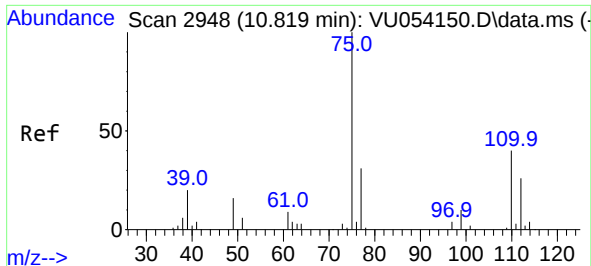
Tgt Ion: 83 Resp: 136632
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.9
131 10.8 8.2 12.2



#59
Bromoform
Concen: 46.838 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 173 Resp: 68580
Ion Ratio Lower Upper
173 100
175 48.9 38.9 58.3
254 10.7 8.5 12.7

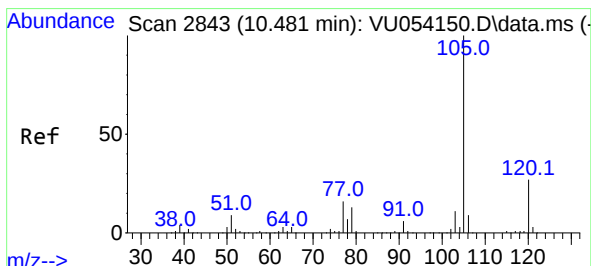
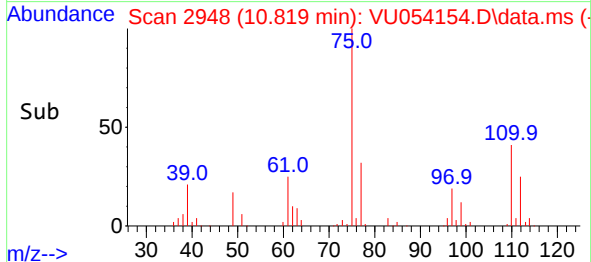
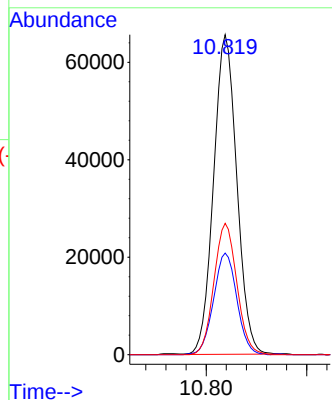
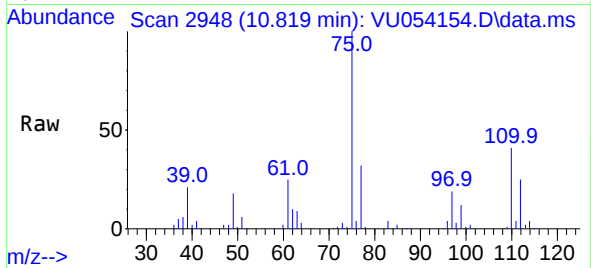




#60
1,2,3-Trichloropropane
Concen: 43.303 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

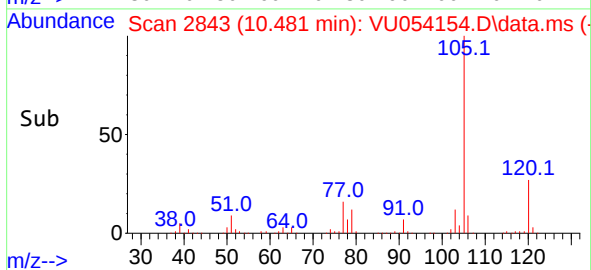
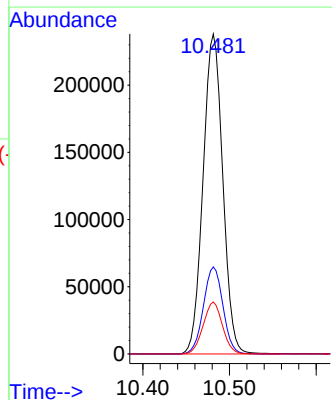
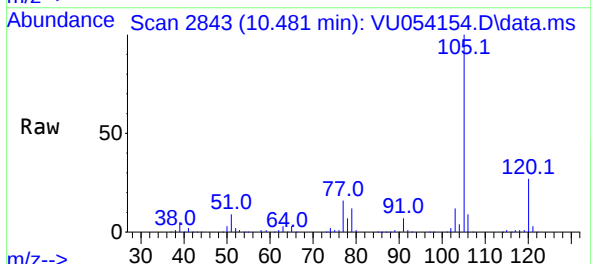
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

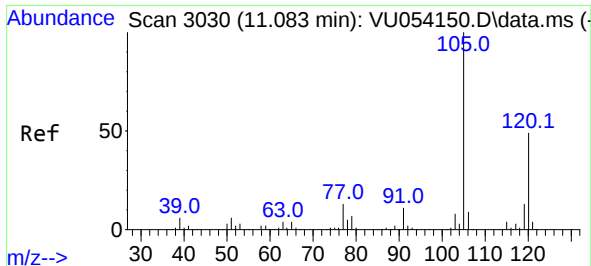
Tgt Ion: 75 Resp: 105196
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
110 40.6 31.8 47.8



#61
Isopropylbenzene
Concen: 45.561 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion: 105 Resp: 376141
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9
77 15.9 12.7 19.1

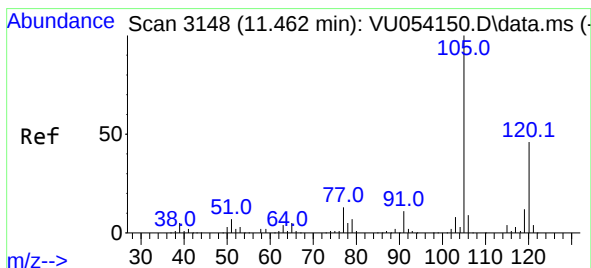
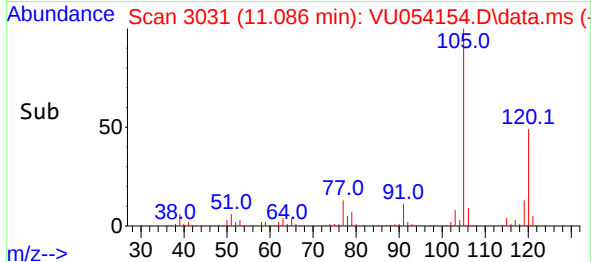
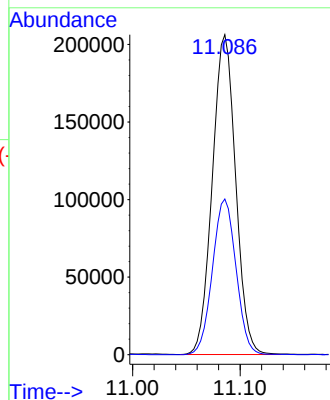
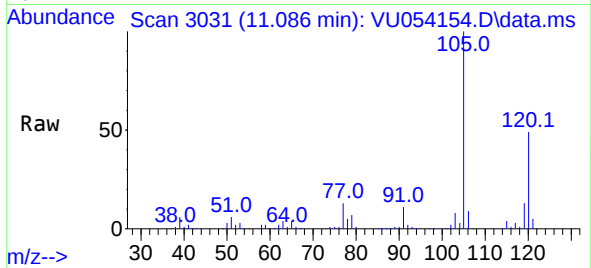




#62
1,3,5-Trimethylbenzene
Concen: 45.999 ug/L
RT: 11.086 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

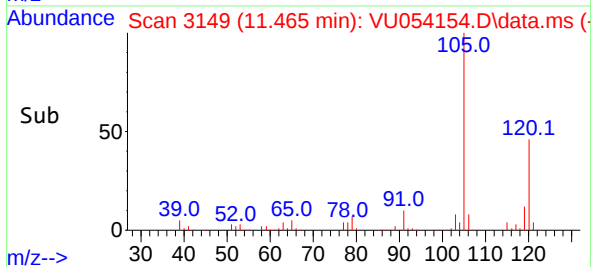
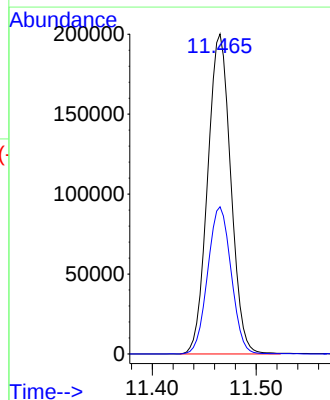
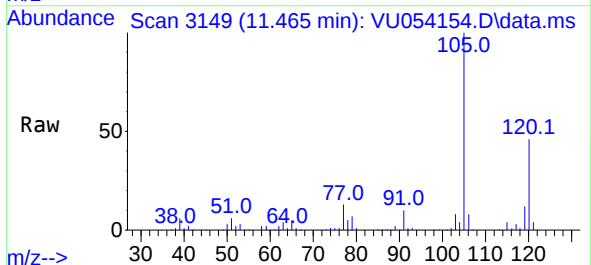
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

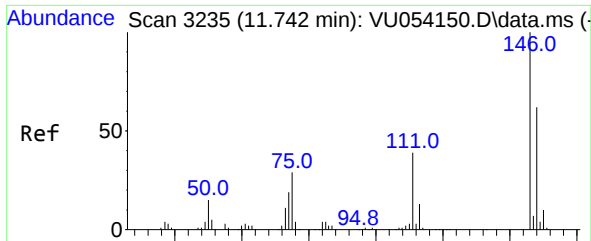
Tgt Ion:105 Resp: 311192
Ion Ratio Lower Upper
105 100
120 49.2 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 46.413 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion:105 Resp: 309487
Ion Ratio Lower Upper
105 100
120 46.5 36.5 54.7

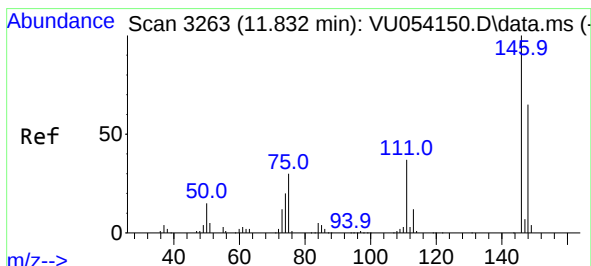
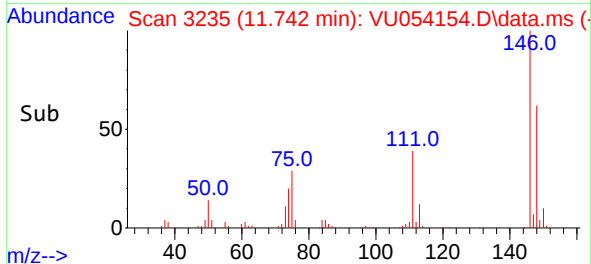
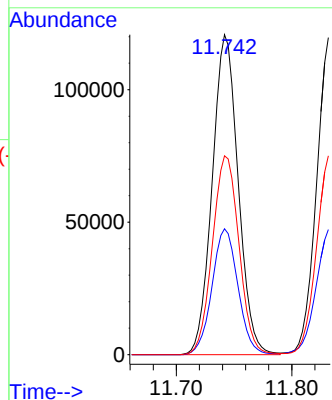
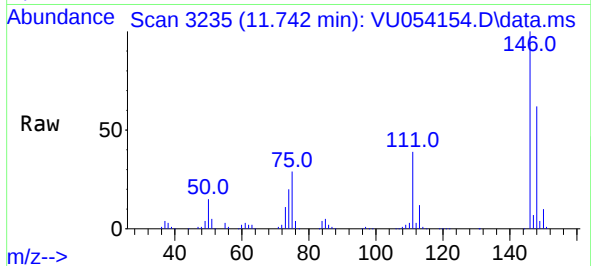




#64
1,3-Dichlorobenzene
Concen: 46.704 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

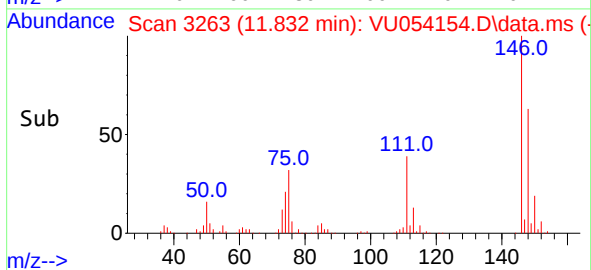
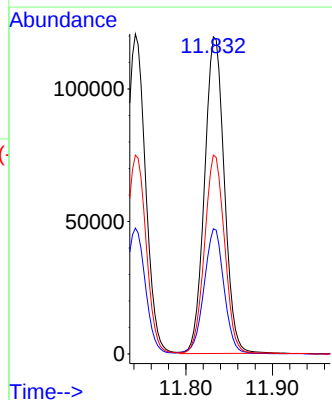
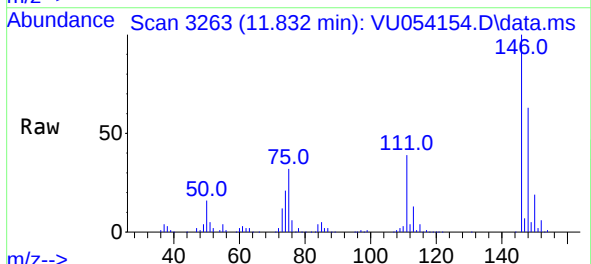
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

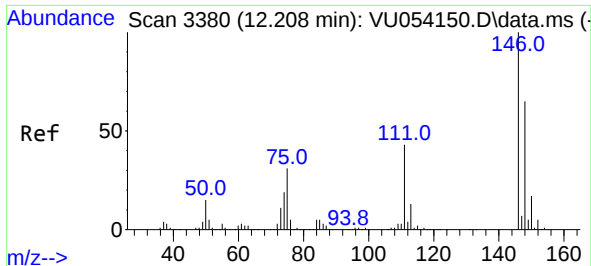
Tgt Ion:146 Resp: 188577
Ion Ratio Lower Upper
146 100
111 39.3 27.9 51.7
148 62.1 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 46.111 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion:146 Resp: 189615
Ion Ratio Lower Upper
146 100
111 39.5 27.9 51.7
148 62.7 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 46.087 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

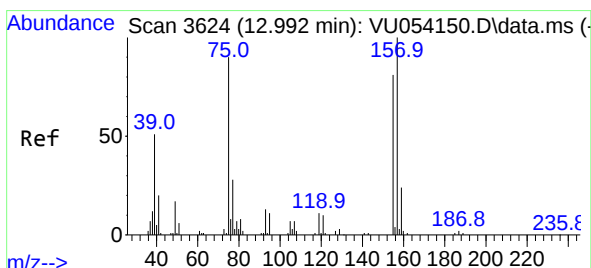
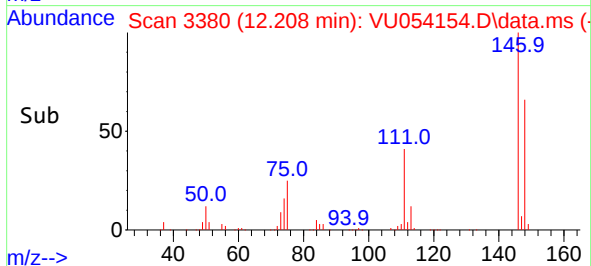
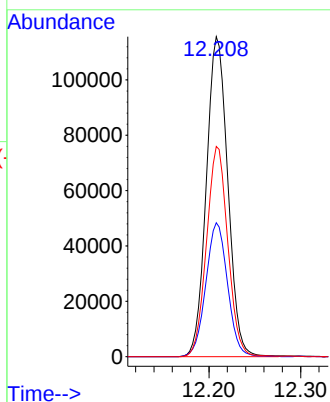
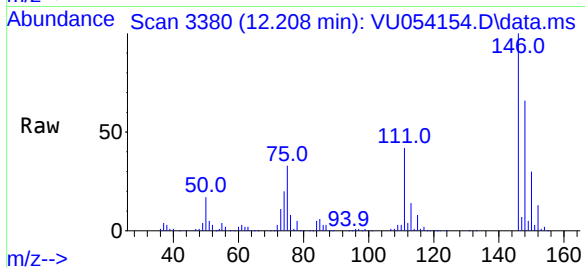
Tgt Ion:146 Resp: 187804

Ion Ratio Lower Upper

146 100

111 41.9 33.4 50.0

148 65.7 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 44.785 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

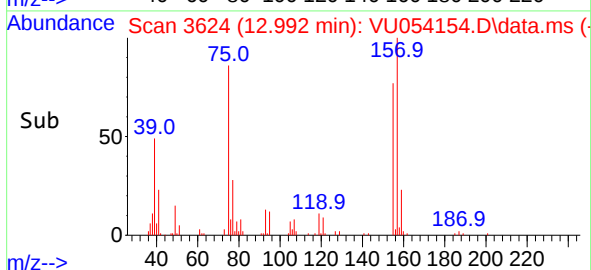
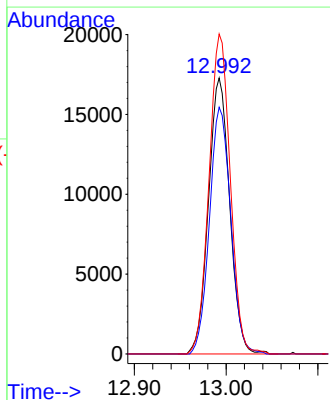
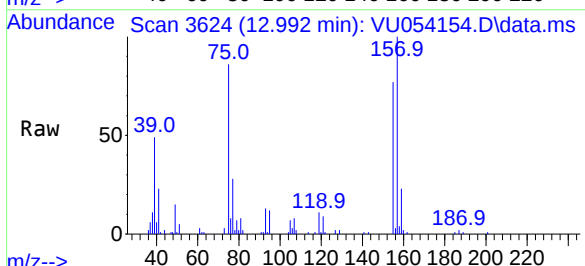
Tgt Ion: 75 Resp: 27756

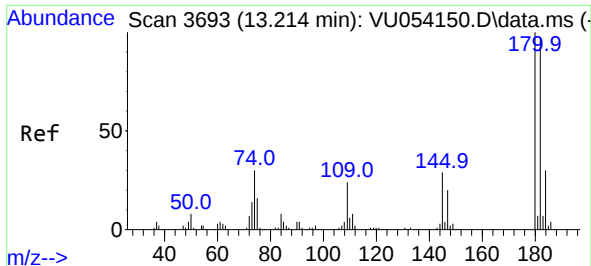
Ion Ratio Lower Upper

75 100

155 89.4 67.8 101.6

157 116.0 88.3 132.5





#69

1,3,5-Trichlorobenzene

Concen: 48.040 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

Tgt Ion:180 Resp: 140557

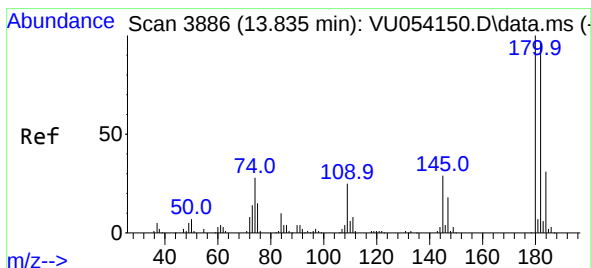
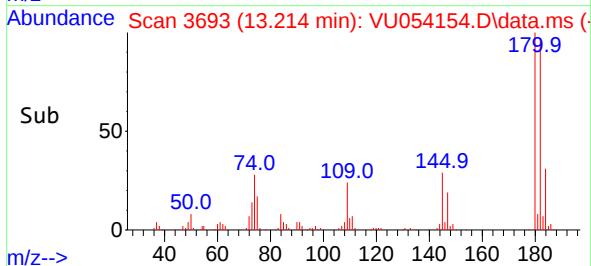
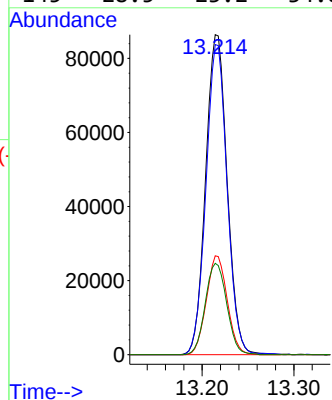
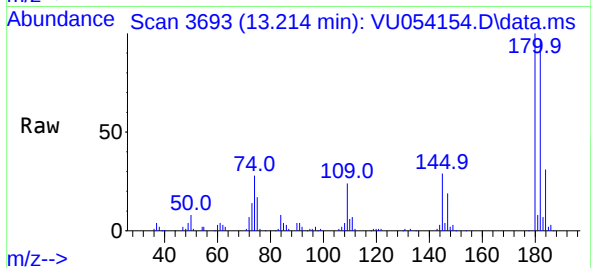
Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

184 30.0 24.2 36.2

145 28.5 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 47.134 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU054154.D

Acq: 11 May 2023 15:24

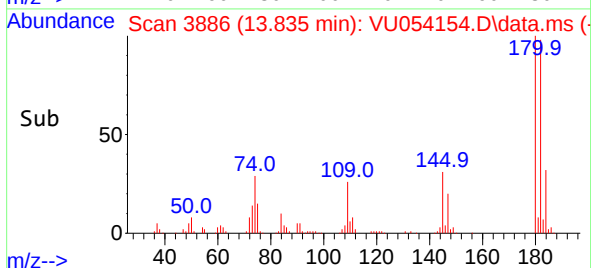
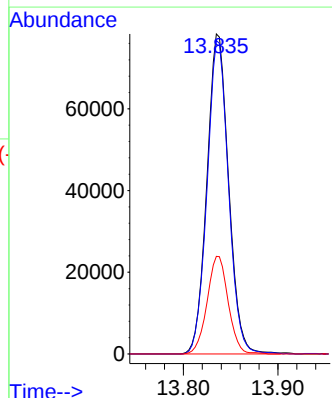
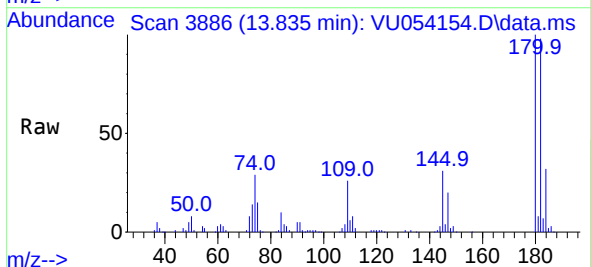
Tgt Ion:180 Resp: 125022

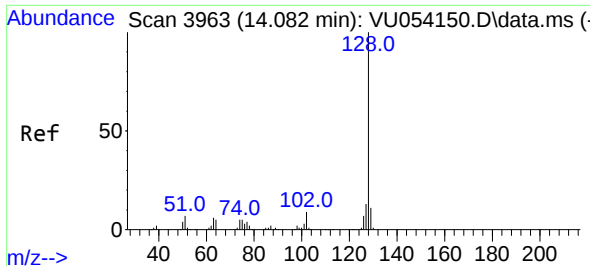
Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.2

145 29.4 23.8 35.8

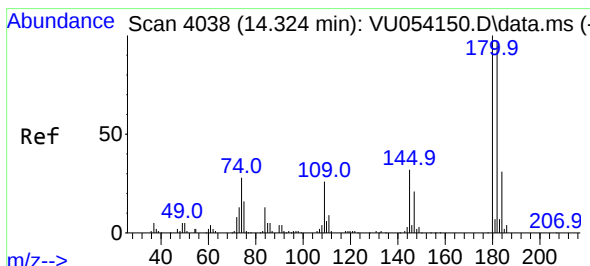
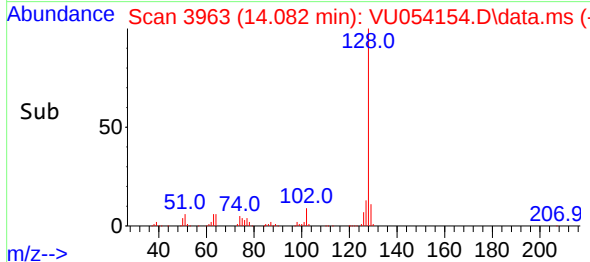
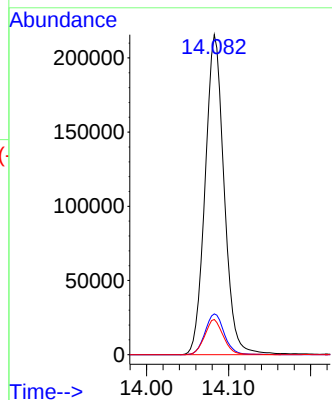
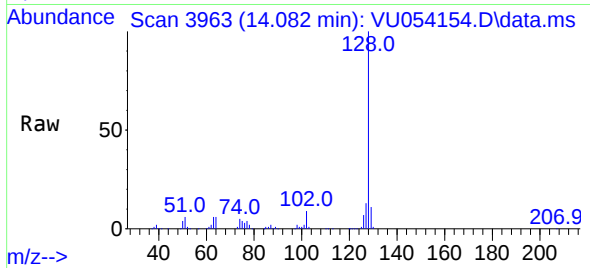




#71
Naphthalene
Concen: 45.042 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. 0.000 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

Tgt Ion:128 Resp: 346537
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 10.7 8.4 12.6



#72
1,2,3-Trichlorobenzene
Concen: 47.809 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU054154.D
Acq: 11 May 2023 15:24

Tgt Ion:180 Resp: 126148
Ion Ratio Lower Upper
180 100
182 95.5 76.6 114.8
145 31.3 24.9 37.3

