

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U060823\
 Data File : VU054448.D
 Acq On : 08 Jun 2023 20:04
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005176

Quant Time: Jun 09 05:24:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:20:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	306526	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	289911	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	155649	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	81715	4.189	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.914	69	80151	4.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.800%
11) 1,1-Dichloroethene-d2	2.563	65	36698	4.212	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.627	46	288184	52.543	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.080%
24) Chloroform-d	5.058	84	199238	4.886	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
26) 1,2-Dichloroethane-d4	5.698	65	95982	4.829	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
32) Benzene-d6	5.724	84	375692	4.662	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
36) 1,2-Dichloropropane-d6	6.688	67	129233	4.802	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.894	98	339358	4.745	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	8.174	79	44012	4.703	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.000%
46) 2-Hexanone-d5	8.630	63	195321	49.744	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.480%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	97786	4.872	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	128255	4.885	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	148885	5.198	ug/L	98
3) Chloromethane	1.518	50	173906	5.286	ug/L	97
5) Vinyl chloride	1.605	62	178520	5.286	ug/L	100
6) Bromomethane	1.859	94	95410	5.139	ug/L	95
8) Chloroethane	1.933	64	101318	5.005	ug/L	100
9) Trichlorofluoromethane	2.136	101	220491	5.311	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	128962	5.310	ug/L	99
12) 1,1-Dichloroethene	2.579	96	117682	5.293	ug/L	99
13) Acetone	2.640	43	194889	37.686	ug/L	99
14) Carbon disulfide	2.792	76	339564	5.150	ug/L	100
15) Methyl Acetate	2.952	43	48623	5.074	ug/L	99
16) Methylene chloride	3.042	84	151925	4.860	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	293963	5.357	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	121570	5.296	ug/L	98
19) 1,1-Dichloroethane	3.865	63	253378	5.334	ug/L	99
21) 2-Butanone	4.708	43	330371	49.225	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	138677	5.305	ug/L	99
23) Bromochloromethane	4.971	128	58574	5.385	ug/L	96
25) Chloroform	5.084	83	248041	5.296	ug/L	99

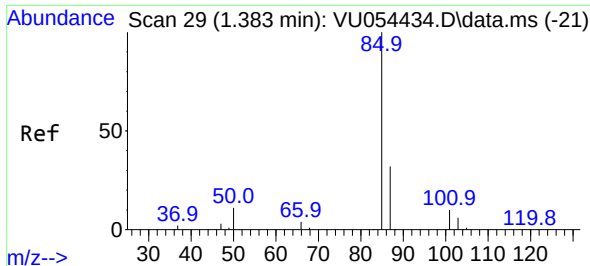
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060823\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jun 08 01:20:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	148400	5.406	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	209535	5.330	ug/L	99
30) Cyclohexane	5.383	56	220525	5.150	ug/L	99
31) Carbon tetrachloride	5.521	117	180097	5.317	ug/L	100
33) Benzene	5.769	78	552831	5.306	ug/L	100
34) Trichloroethene	6.537	95	141135	5.122	ug/L	98
35) Methylcyclohexane	6.759	83	209723	5.036	ug/L	98
37) 1,2-Dichloropropane	6.785	63	150679	5.348	ug/L	100
38) Bromodichloromethane	7.100	83	172456	5.408	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	203983	5.303	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	794465	52.845	ug/L	100
42) Toluene	7.965	91	578820	5.394	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	162952	5.220	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	96817	5.402	ug/L	99
47) Tetrachloroethene	8.547	164	106727	5.060	ug/L	99
48) 2-Hexanone	8.679	43	575535	51.378	ug/L	99
49) Dibromochloromethane	8.804	129	100746	5.354	ug/L	100
50) 1,2-Dibromoethane	8.920	107	90494	5.500	ug/L	96
51) Chlorobenzene	9.444	112	354116	5.294	ug/L	99
52) Ethylbenzene	9.566	91	617397	5.269	ug/L	99
53) m,p-Xylene	9.688	106	234587	5.449	ug/L	100
54) o-Xylene	10.097	106	226205	5.434	ug/L	100
55) Styrene	10.110	104	383895	5.494	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	117260	5.151	ug/L	100
59) Bromoform	10.286	173	58048	5.195	ug/L	98
60) Isopropylbenzene	10.479	105	604849	5.312	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	82669	5.255	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	485541	5.226	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	498610	5.284	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	279651	5.254	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	276389	5.174	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	257018	5.251	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	17450	5.048	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	199545	4.969	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	160837	4.843	ug/L	99
71) Naphthalene	14.080	128	244435	4.527	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	140082	4.910	ug/L	99

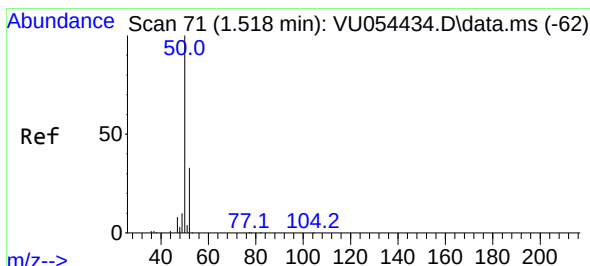
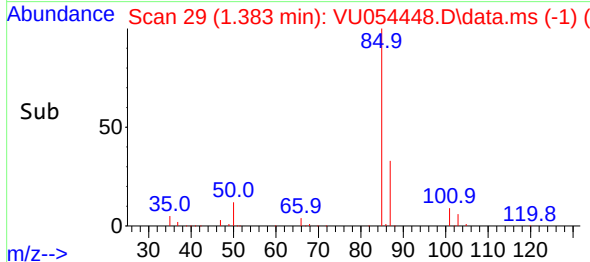
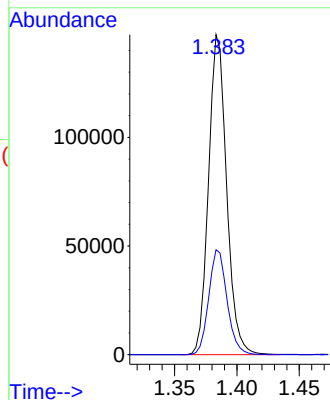
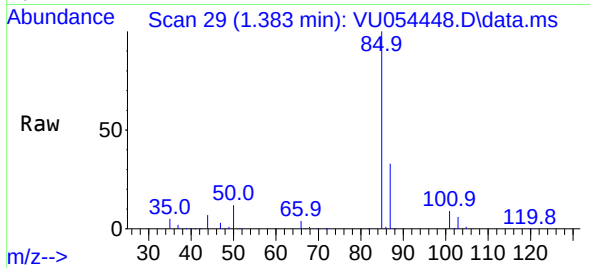
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.198 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

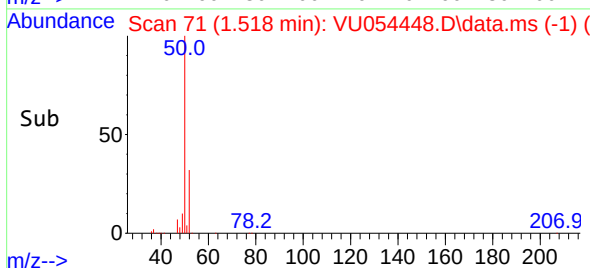
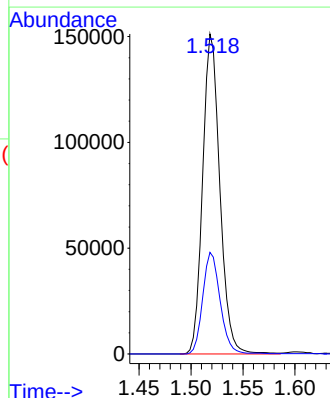
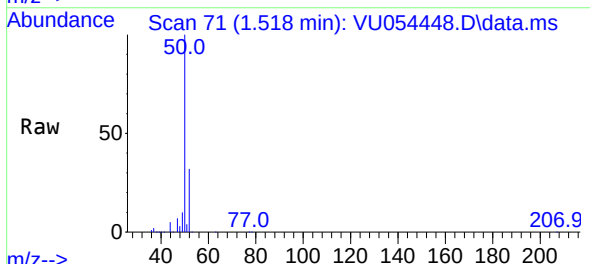
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

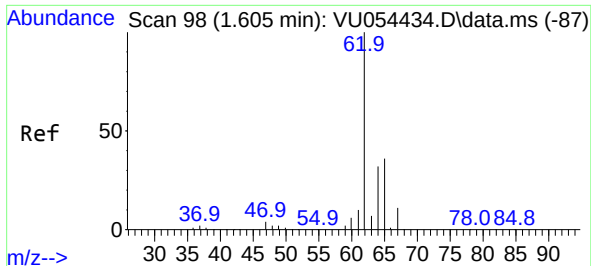
Tgt Ion: 85 Resp: 148885
Ion Ratio Lower Upper
85 100
87 33.2 25.4 38.2



#3
Chloromethane
Concen: 5.286 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 50 Resp: 173906
Ion Ratio Lower Upper
50 100
52 31.7 23.4 43.4

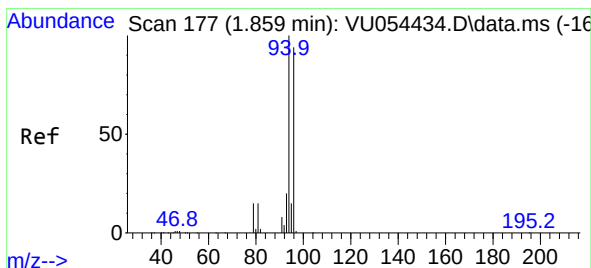
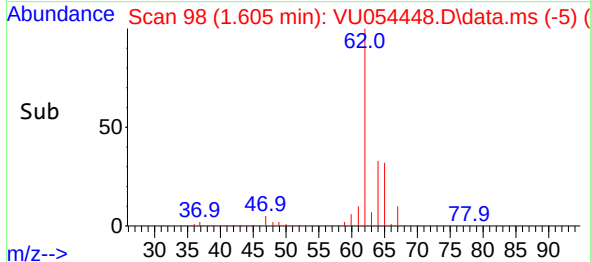
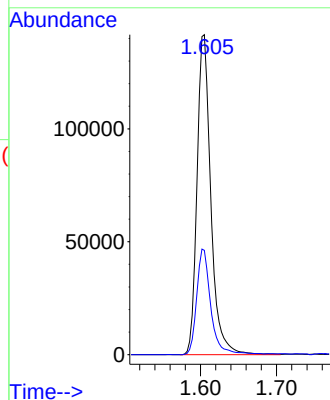
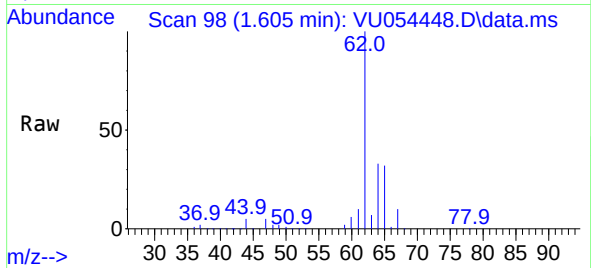




#5
 Vinyl chloride
 Concen: 5.286 ug/L
 RT: 1.605 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VU054448.D
 Acq: 08 Jun 2023 20:04

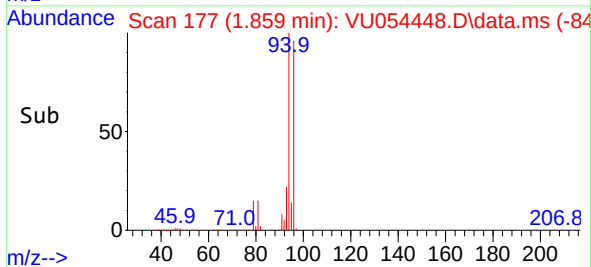
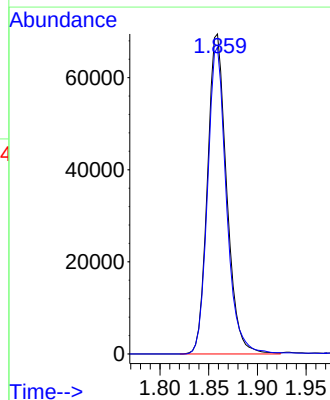
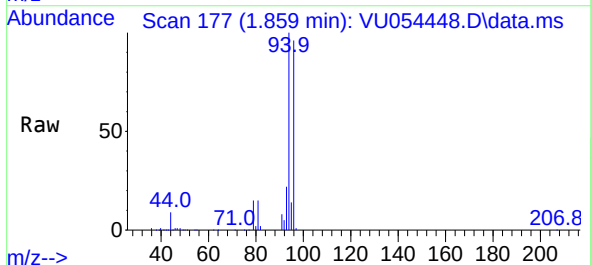
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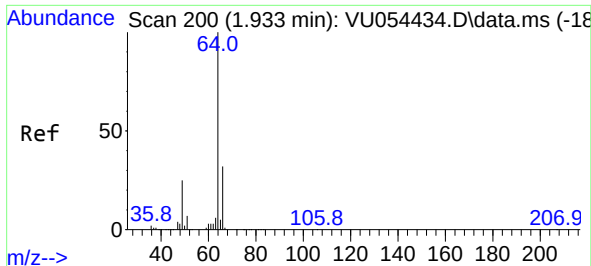
Tgt Ion: 62 Resp: 178520
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.0 42.6



#6
 Bromomethane
 Concen: 5.139 ug/L
 RT: 1.859 min Scan# 177
 Delta R.T. -0.000 min
 Lab File: VU054448.D
 Acq: 08 Jun 2023 20:04

Tgt Ion: 94 Resp: 95410
 Ion Ratio Lower Upper
 94 100
 96 95.9 63.6 118.2

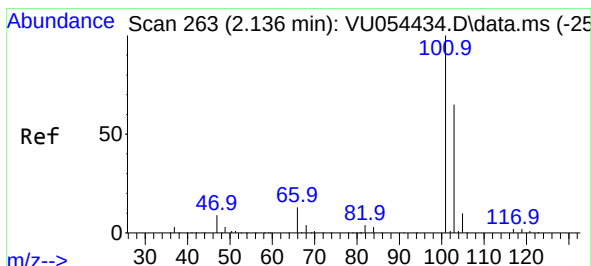
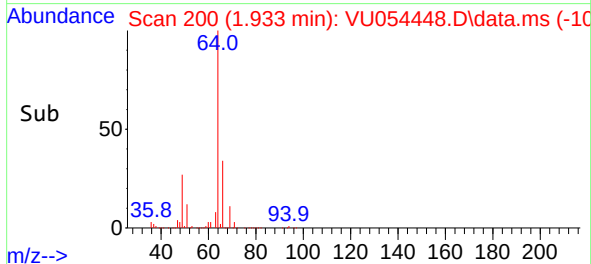
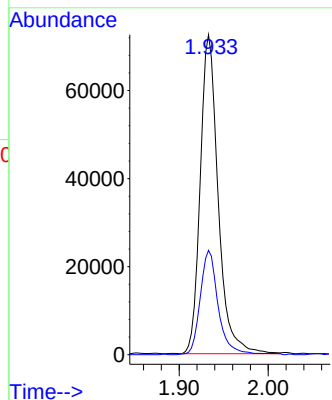
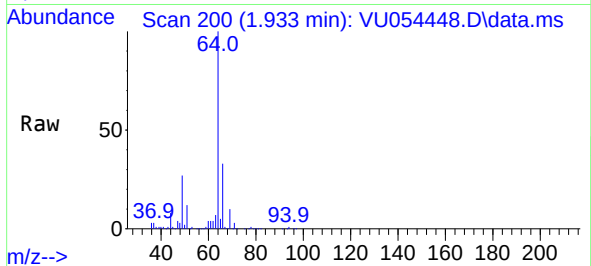




#8
Chloroethane
Concen: 5.005 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

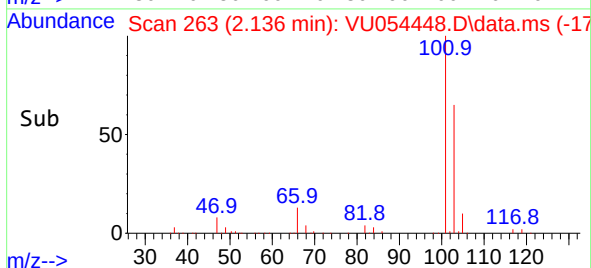
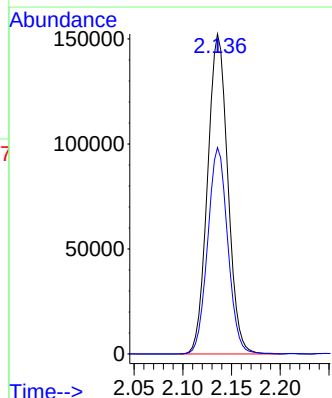
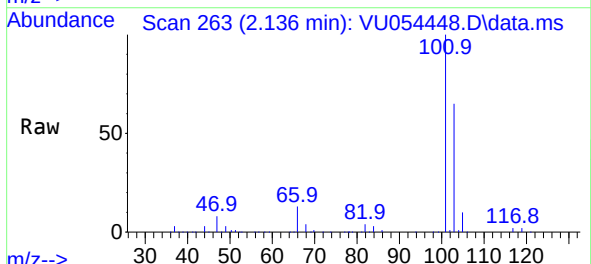
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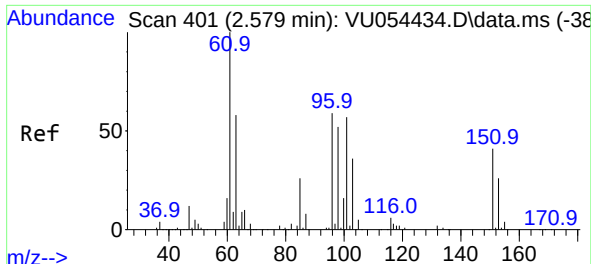
Tgt Ion: 64 Resp: 101318
Ion Ratio Lower Upper
64 100
66 32.6 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.311 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:101 Resp: 220491
Ion Ratio Lower Upper
101 100
103 63.9 50.6 75.8

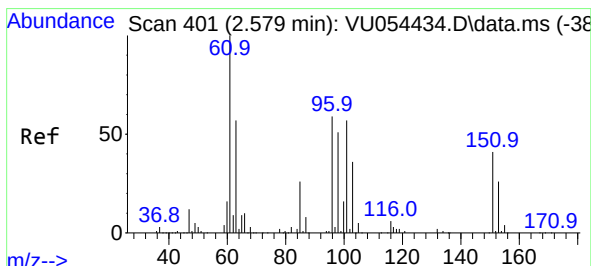
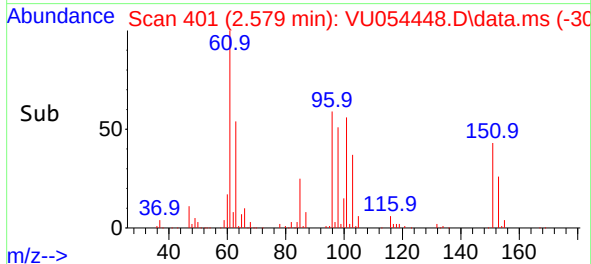
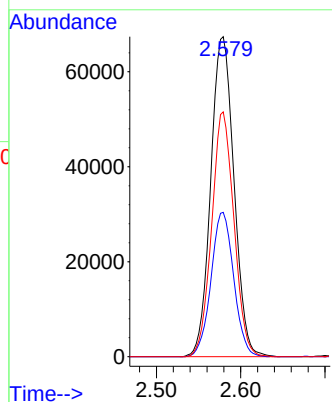
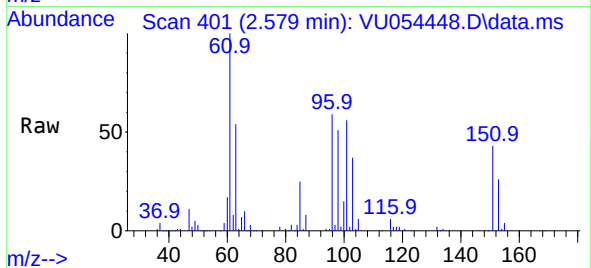




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.310 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054448.D
 Acq: 08 Jun 2023 20:04

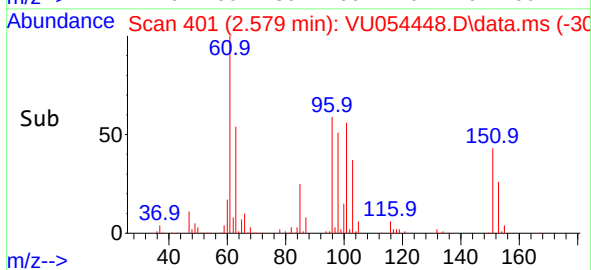
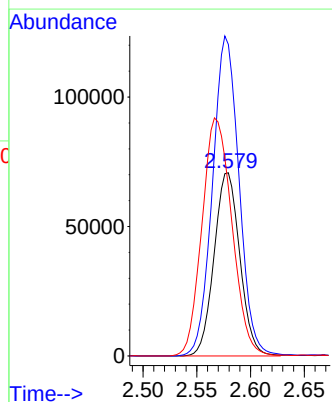
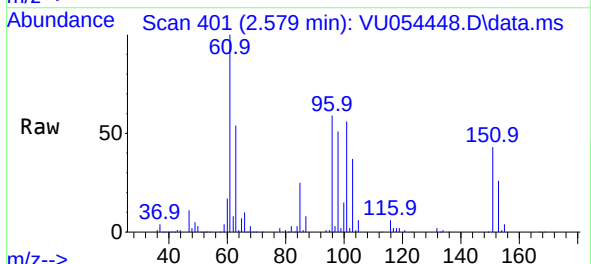
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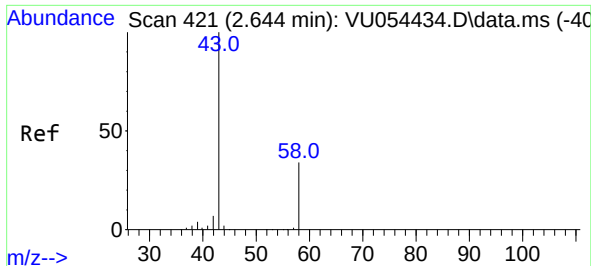
Tgt Ion:101 Resp: 128962
 Ion Ratio Lower Upper
 101 100
 85 44.1 34.6 51.8
 151 73.4 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 5.293 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VU054448.D
 Acq: 08 Jun 2023 20:04

Tgt Ion: 96 Resp: 117682
 Ion Ratio Lower Upper
 96 100
 61 170.0 119.9 222.7
 63 92.2 64.3 119.3





#13

Acetone

Concen: 37.686 ug/L

RT: 2.640 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU054448.D

Acq: 08 Jun 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

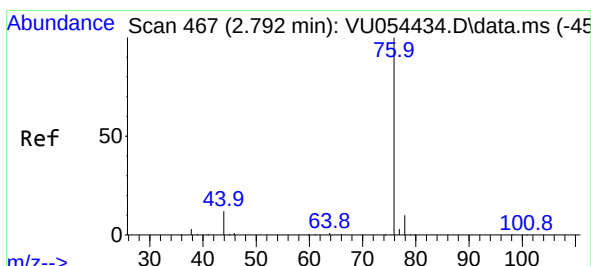
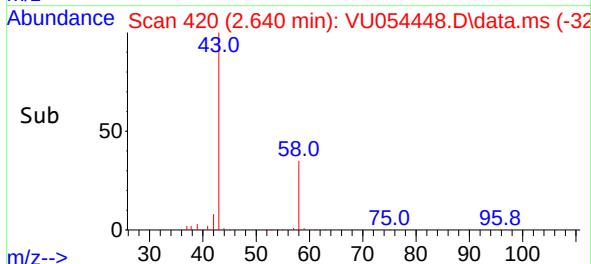
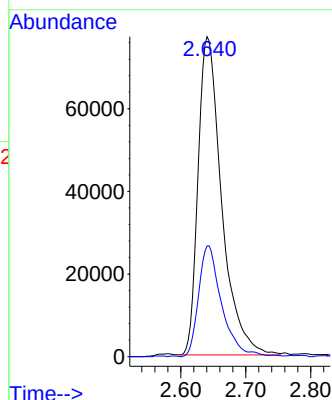
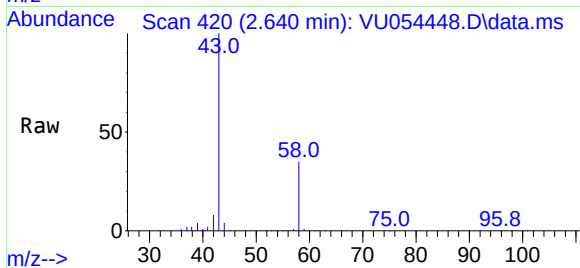
VSTD005176

Tgt Ion: 43 Resp: 194889

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2



#14

Carbon disulfide

Concen: 5.150 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU054448.D

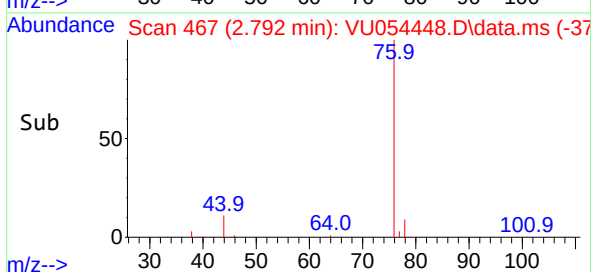
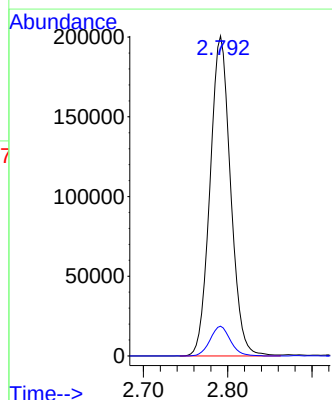
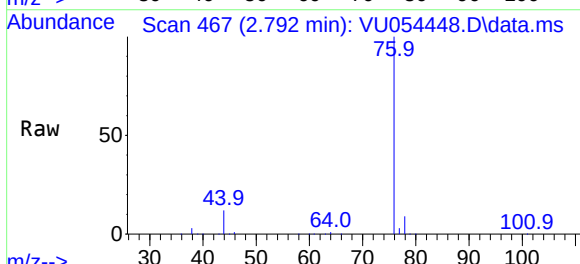
Acq: 08 Jun 2023 20:04

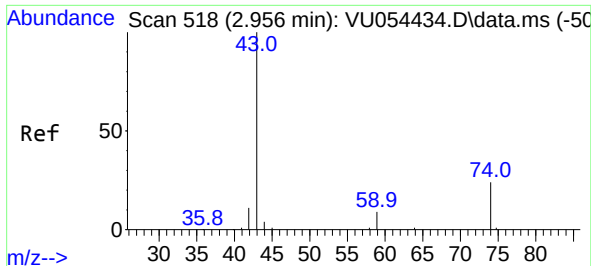
Tgt Ion: 76 Resp: 339564

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

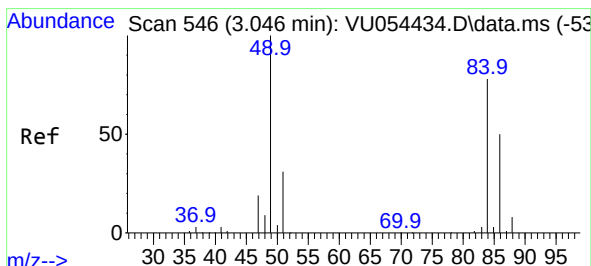
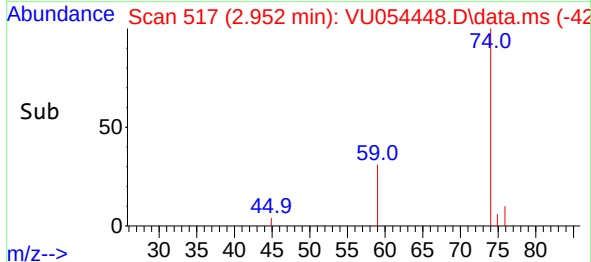
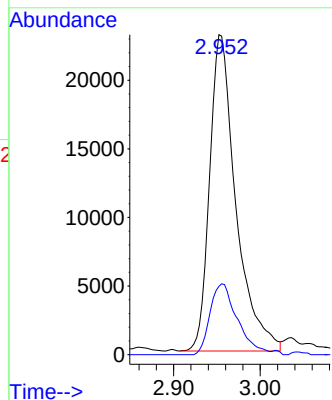
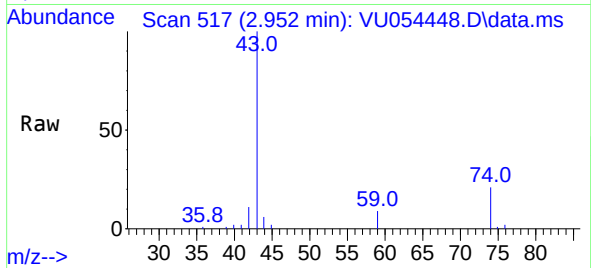




#15
Methyl Acetate
Concen: 5.074 ug/L
RT: 2.952 min Scan# 517
Delta R.T. -0.003 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

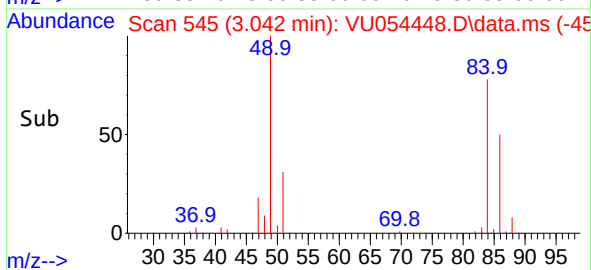
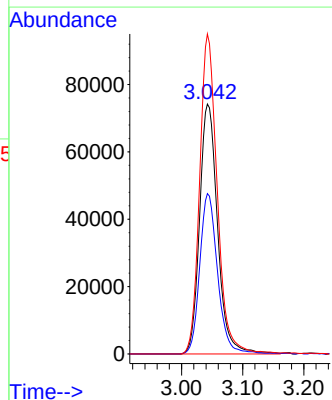
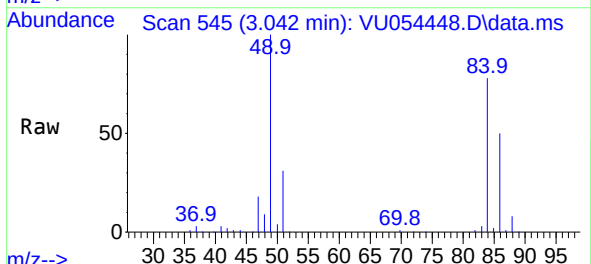
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

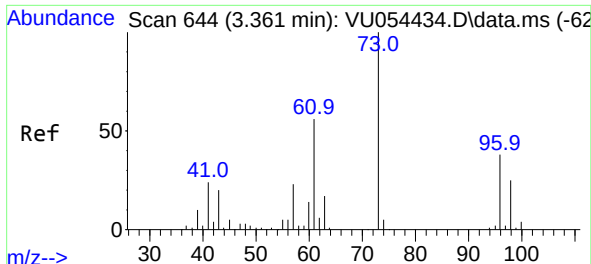
Tgt Ion: 43 Resp: 48623
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.6



#16
Methylene chloride
Concen: 4.860 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 84 Resp: 151925
Ion Ratio Lower Upper
84 100
86 64.2 43.9 81.5
49 128.1 86.1 159.9

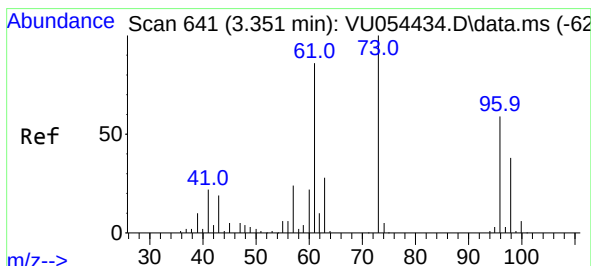
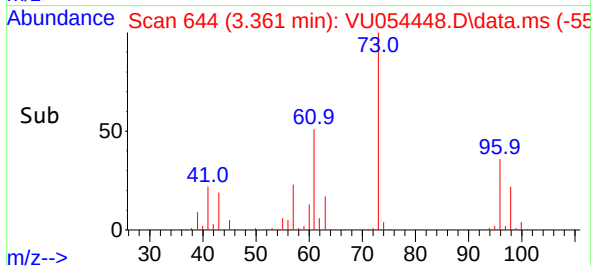
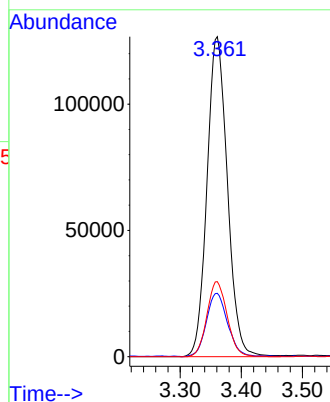
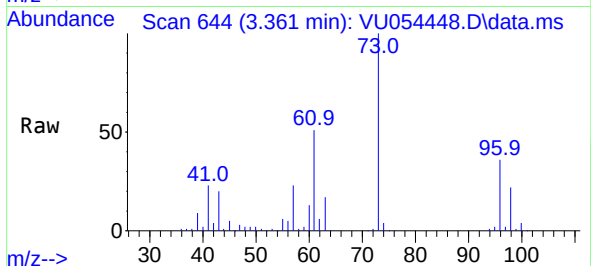




#17
Methyl tert-butyl Ether
Concen: 5.357 ug/L
RT: 3.361 min Scan# 644
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

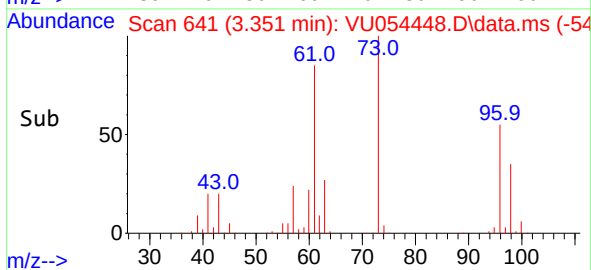
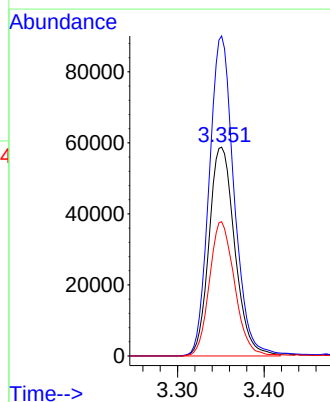
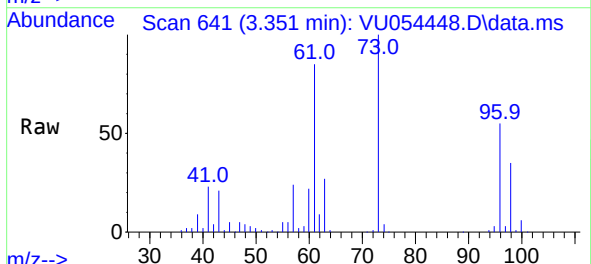
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

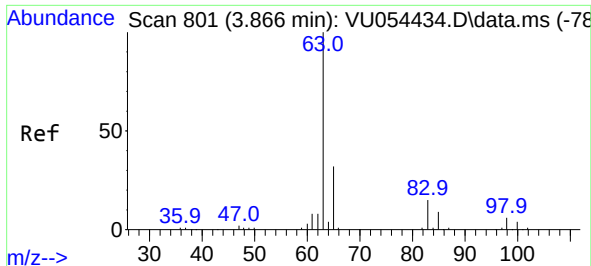
Tgt Ion: 73 Resp: 293963
Ion Ratio Lower Upper
73 100
43 20.6 15.7 23.5
57 23.2 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 5.296 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 96 Resp: 121570
Ion Ratio Lower Upper
96 100
61 153.3 104.6 194.2
98 64.3 45.4 84.4

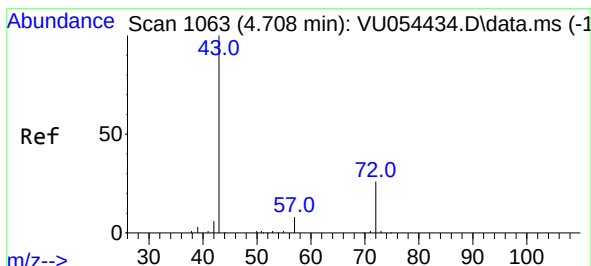
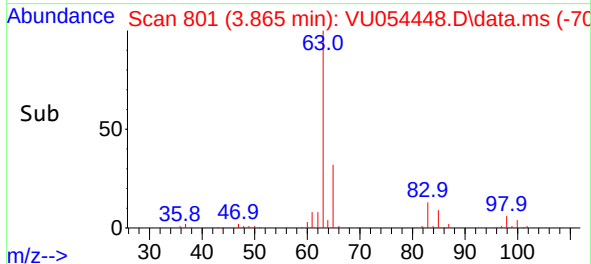
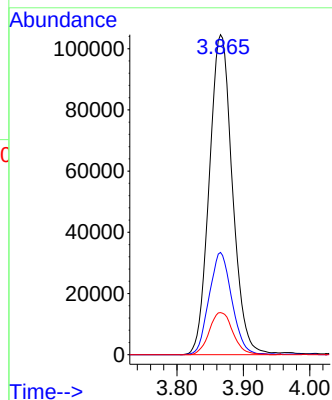
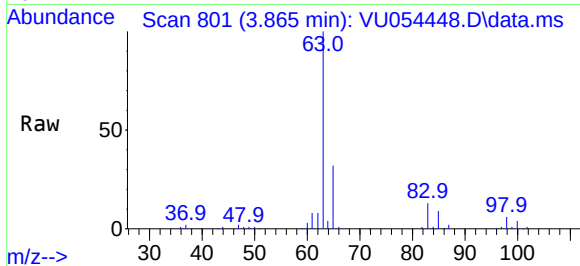




#19
1,1-Dichloroethane
Concen: 5.334 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

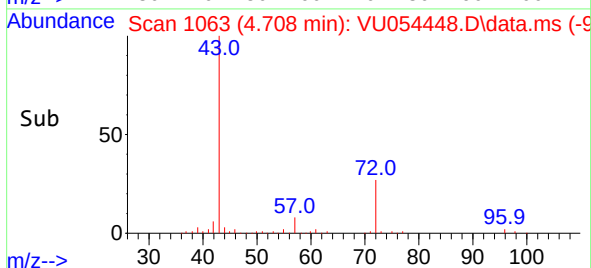
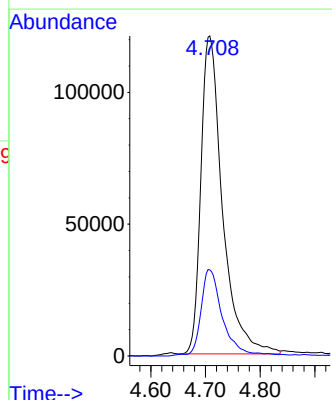
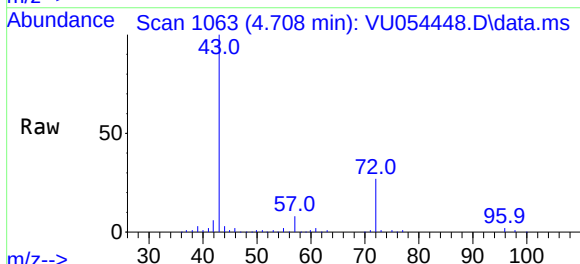
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

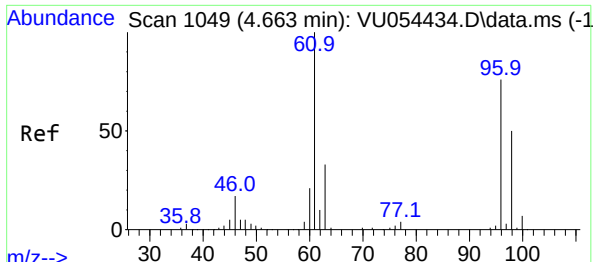
Tgt Ion: 63 Resp: 253378
Ion Ratio Lower Upper
63 100
65 32.0 22.2 41.2
83 13.2 9.0 16.6



#21
2-Butanone
Concen: 49.225 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 43 Resp: 330371
Ion Ratio Lower Upper
43 100
72 25.0 13.4 40.1



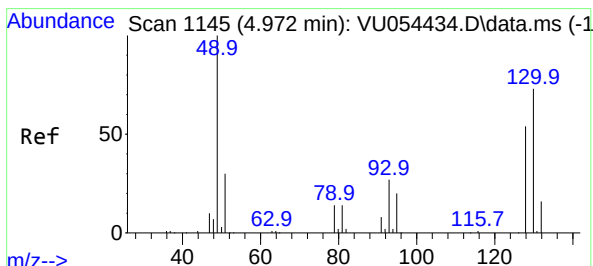
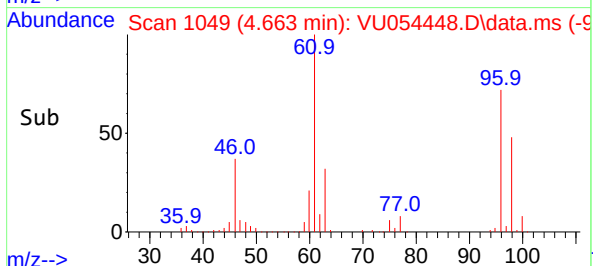
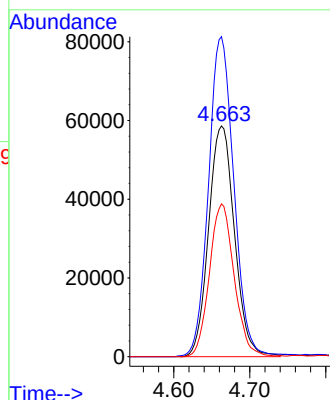
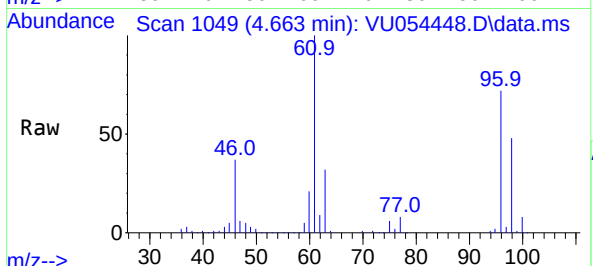


#22
 cis-1,2-Dichloroethene
 Concen: 5.305 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU054448.D
 Acq: 08 Jun 2023 20:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005176

Tgt Ion: 96 Resp: 138677

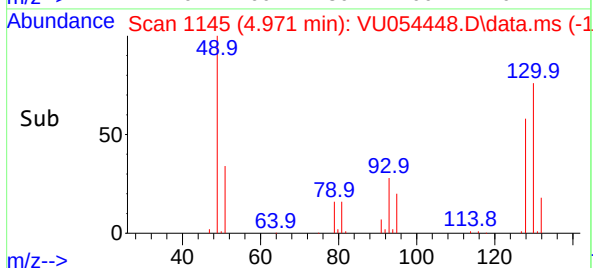
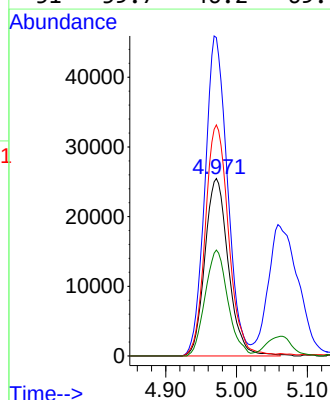
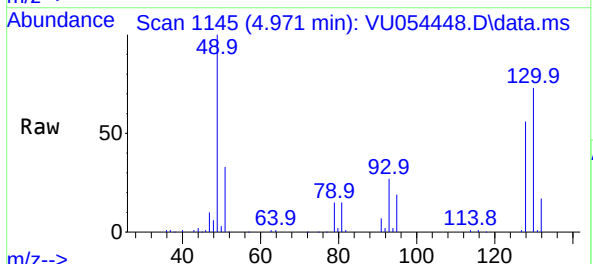
Ion	Ratio	Lower	Upper
96	100		
61	138.7	96.5	179.1
98	66.2	44.9	83.3

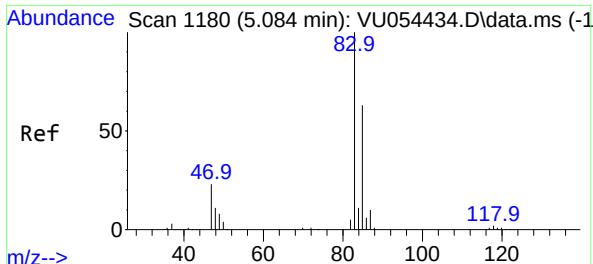


#23
 Bromochloromethane
 Concen: 5.385 ug/L
 RT: 4.971 min Scan# 1145
 Delta R.T. -0.000 min
 Lab File: VU054448.D
 Acq: 08 Jun 2023 20:04

Tgt Ion: 128 Resp: 58574

Ion	Ratio	Lower	Upper
128	100		
49	179.4	132.1	245.3
130	130.2	91.5	169.9
51	59.7	46.2	69.4

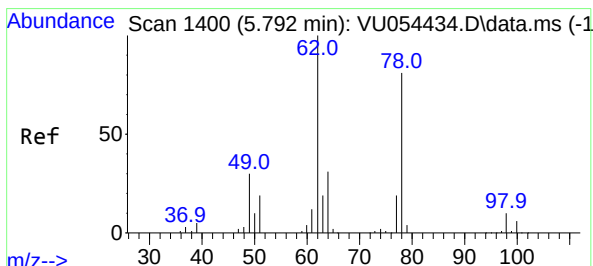
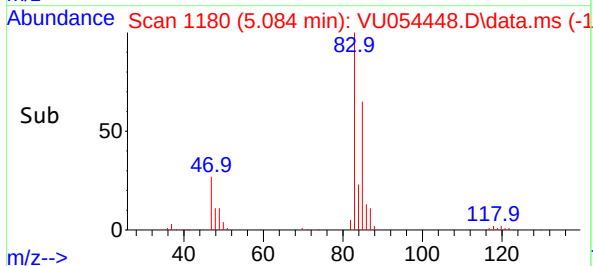
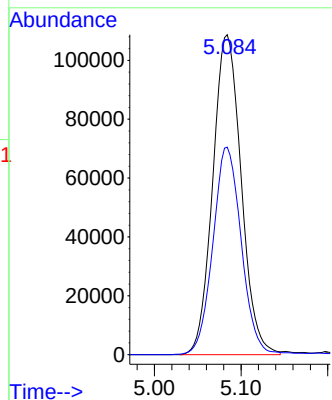
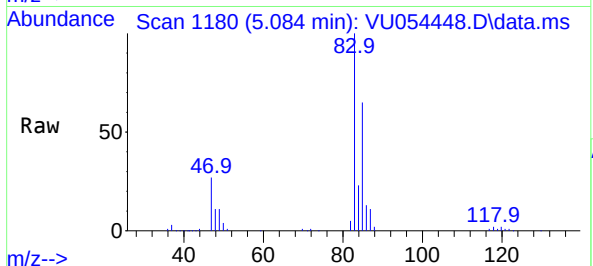




#25
Chloroform
Concen: 5.296 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

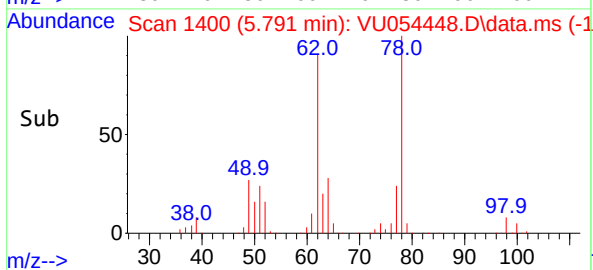
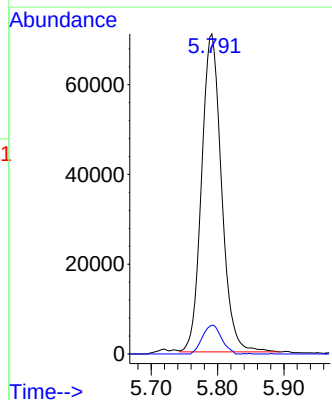
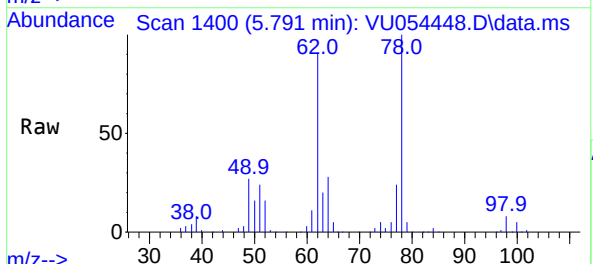
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

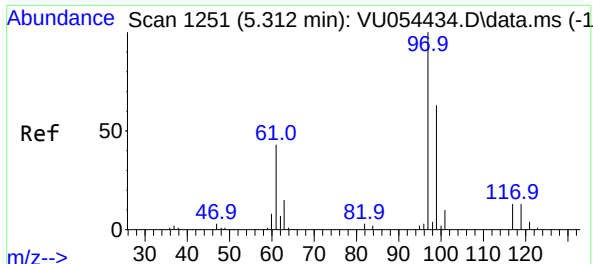
Tgt Ion: 83 Resp: 248041
Ion Ratio Lower Upper
83 100
85 64.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.406 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 62 Resp: 148400
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.6



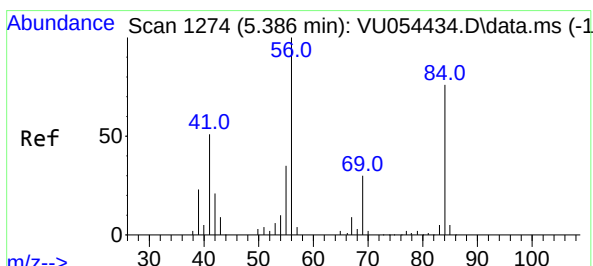
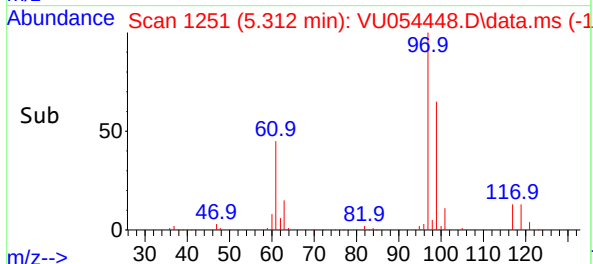
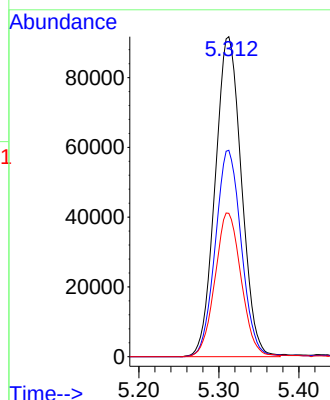
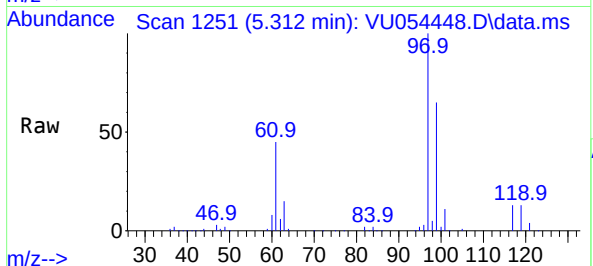


#29
1,1,1-Trichloroethane
Concen: 5.330 ug/L
RT: 5.312 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

Tgt Ion: 97 Resp: 209535

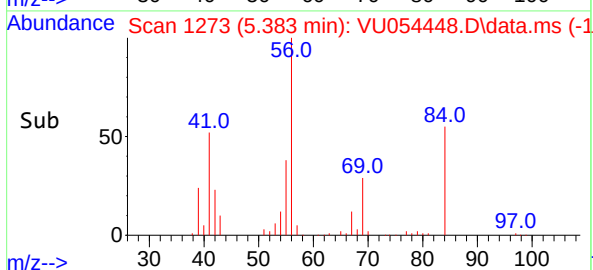
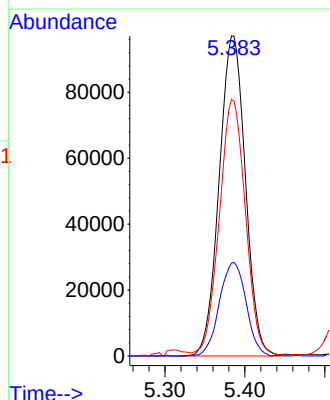
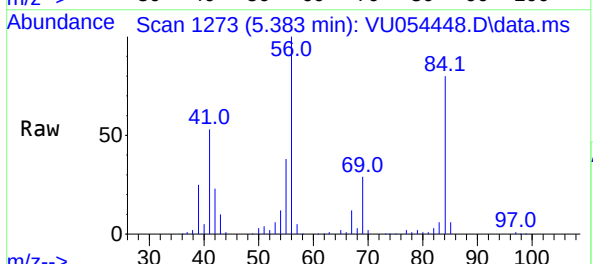
Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	44.8	36.1	54.1

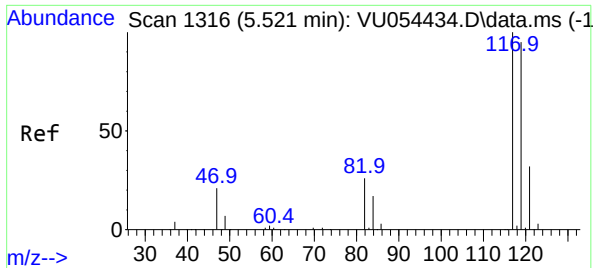


#30
Cyclohexane
Concen: 5.150 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 56 Resp: 220525

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.9	35.9
84	79.7	63.0	94.6

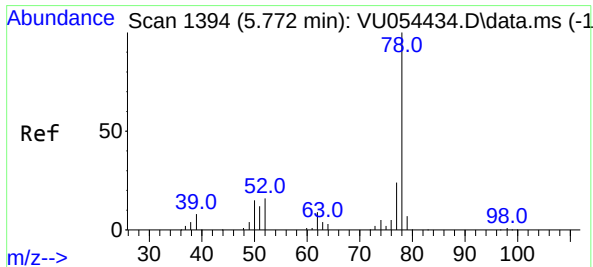
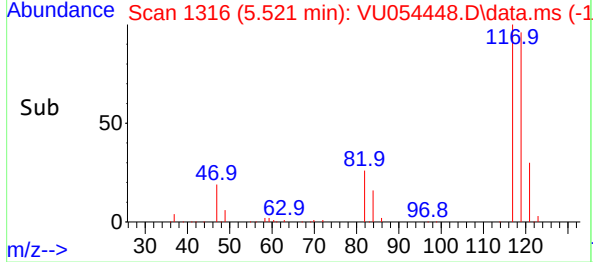
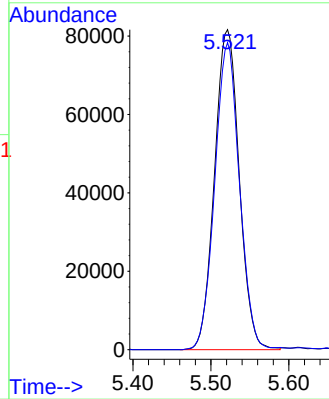
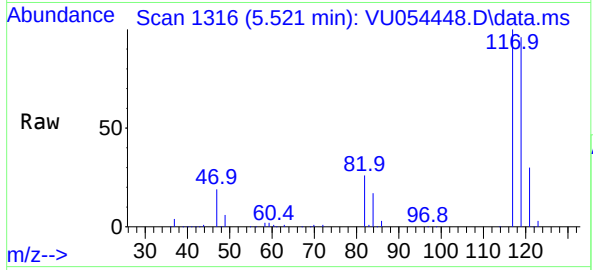




#31
Carbon tetrachloride
Concen: 5.317 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

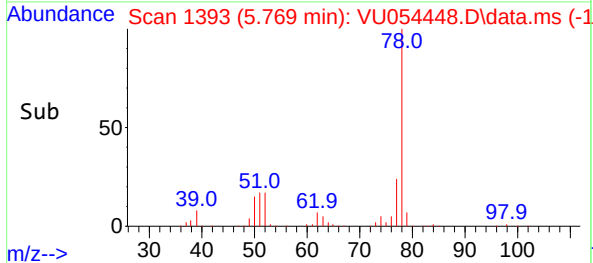
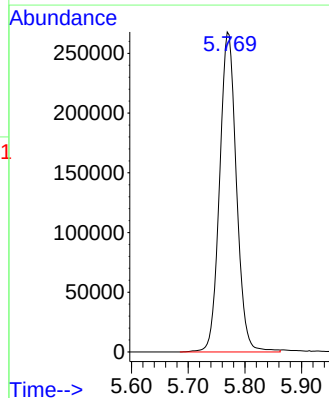
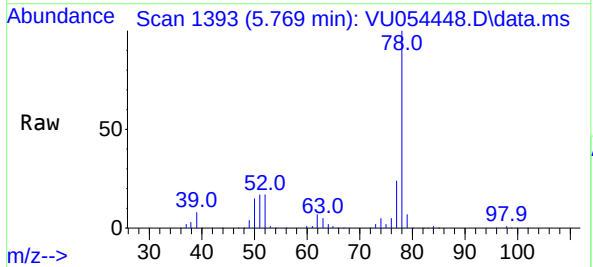
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

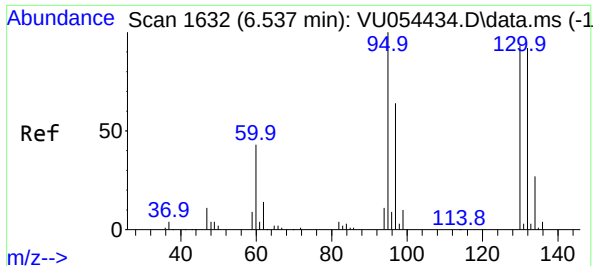
Tgt Ion:117 Resp: 180097
Ion Ratio Lower Upper
117 100
119 95.6 76.8 115.2



#33
Benzene
Concen: 5.306 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 78 Resp: 552831

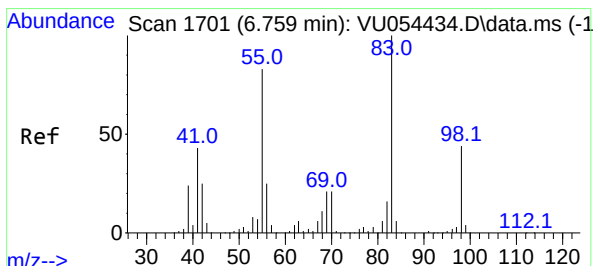
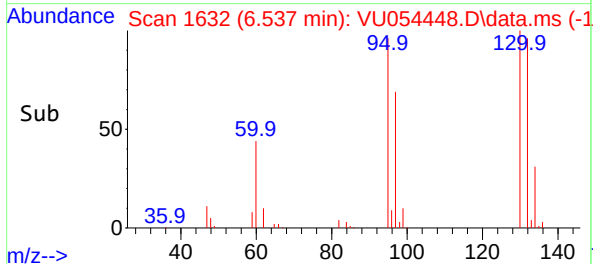
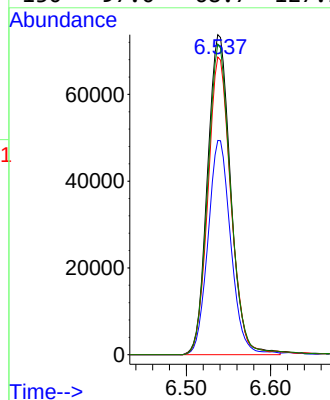
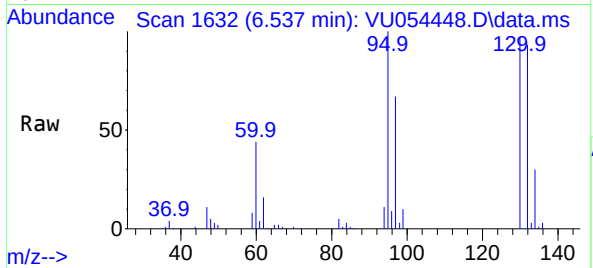




#34
Trichloroethene
Concen: 5.122 ug/L
RT: 6.537 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

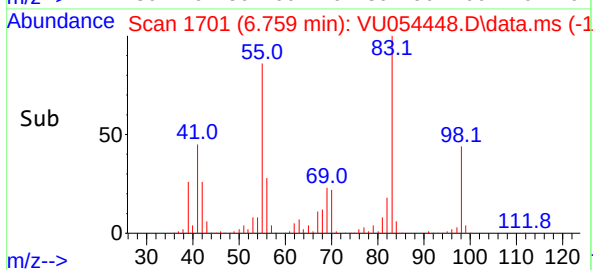
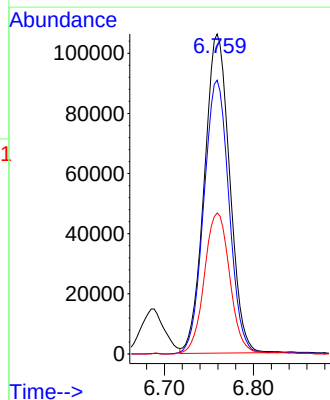
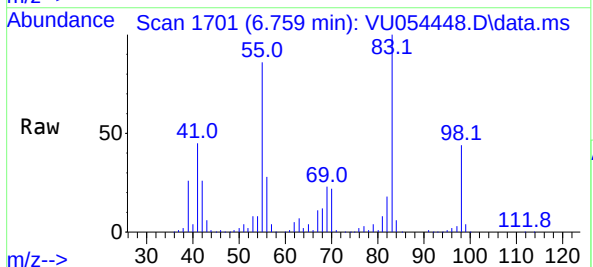
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

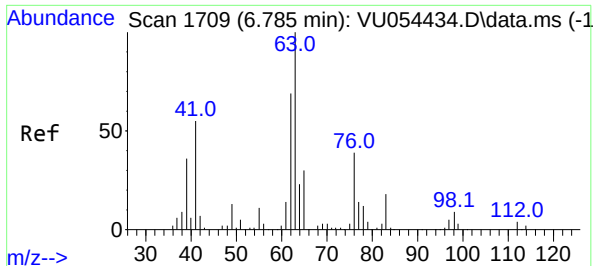
Tgt Ion: 95 Resp: 141135
Ion Ratio Lower Upper
95 100
97 67.0 46.8 87.0
132 93.0 68.4 127.0
130 97.0 68.7 127.5



#35
Methylcyclohexane
Concen: 5.036 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 83 Resp: 209723
Ion Ratio Lower Upper
83 100
55 85.6 67.1 100.7
98 44.7 35.1 52.7

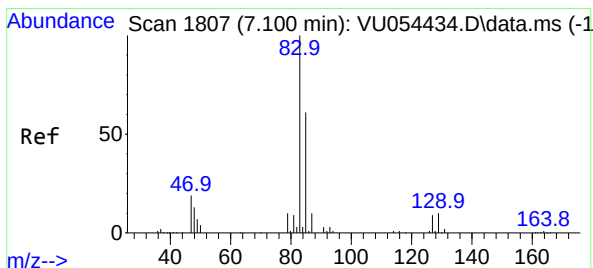
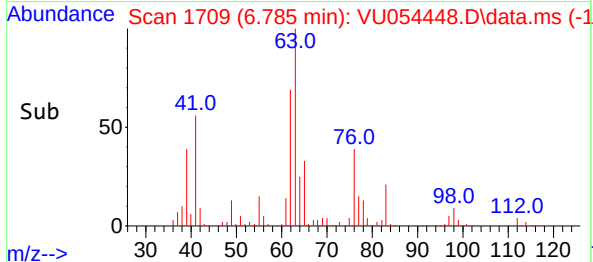
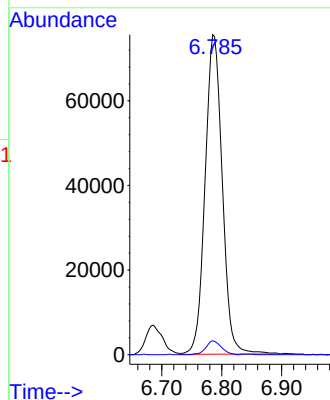
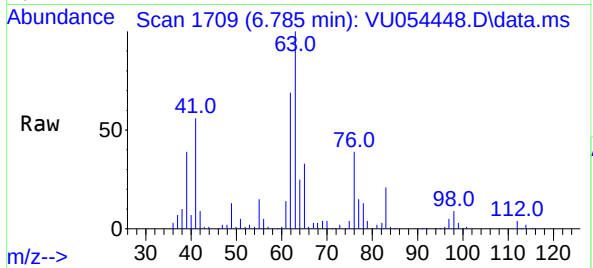




#37
1,2-Dichloropropane
Concen: 5.348 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

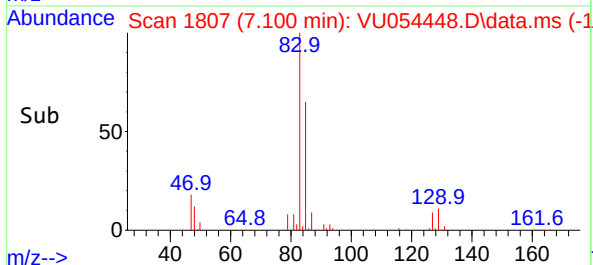
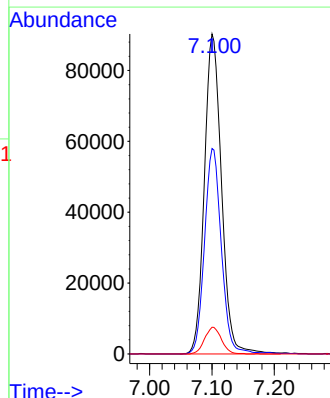
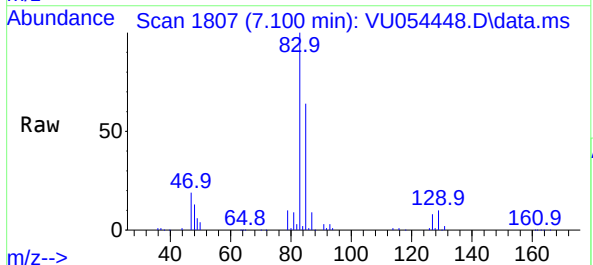
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

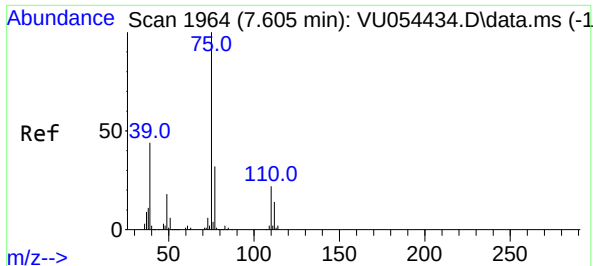
Tgt Ion: 63 Resp: 150679
Ion Ratio Lower Upper
63 100
112 3.9 3.0 4.6



#38
Bromodichloromethane
Concen: 5.408 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 83 Resp: 172456
Ion Ratio Lower Upper
83 100
85 64.2 44.1 81.9
127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.303 ug/L

RT: 7.602 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU054448.D

Acq: 08 Jun 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

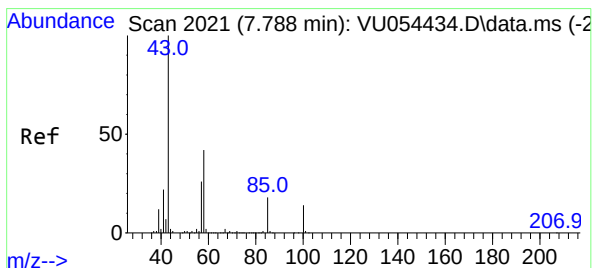
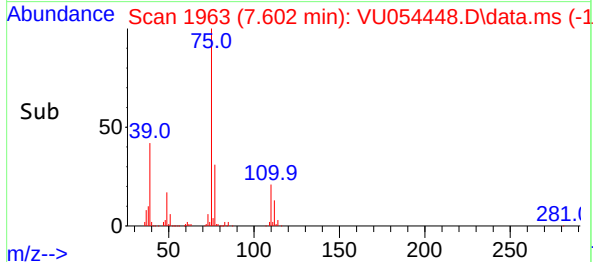
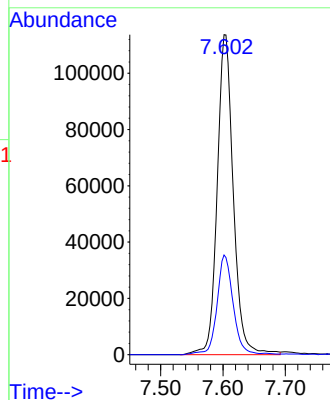
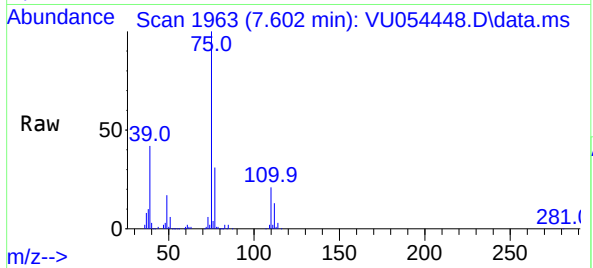
VSTD005176

Tgt Ion: 75 Resp: 203983

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 52.845 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU054448.D

Acq: 08 Jun 2023 20:04

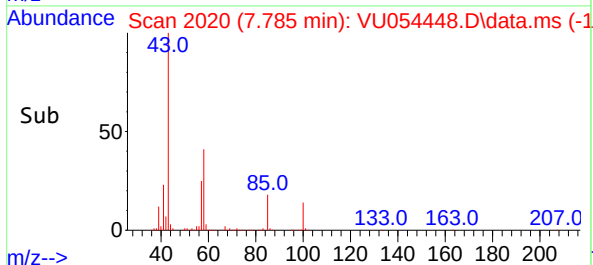
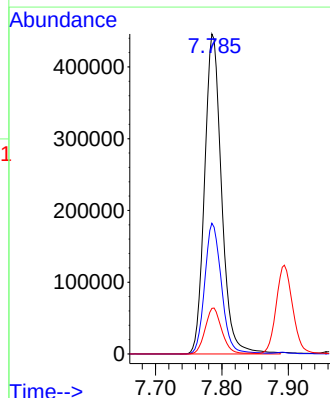
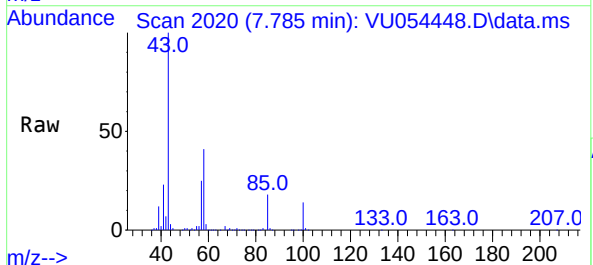
Tgt Ion: 43 Resp: 794465

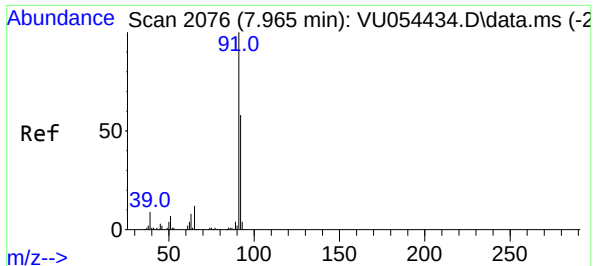
Ion Ratio Lower Upper

43 100

58 40.4 32.4 48.6

100 14.1 11.4 17.2





#42

Toluene

Concen: 5.394 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU054448.D

Acq: 08 Jun 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

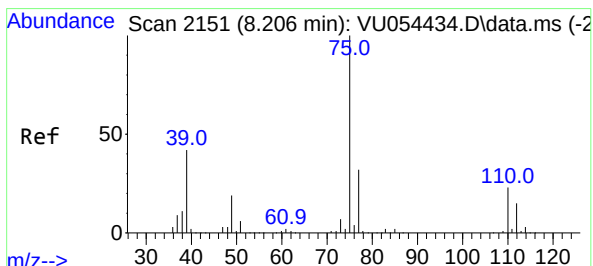
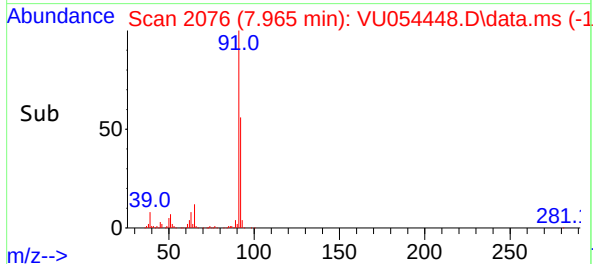
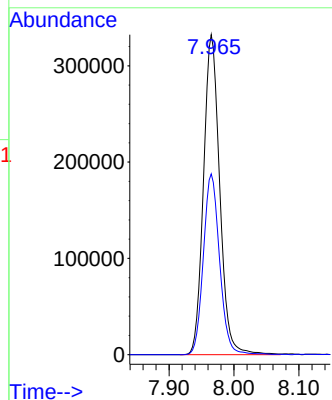
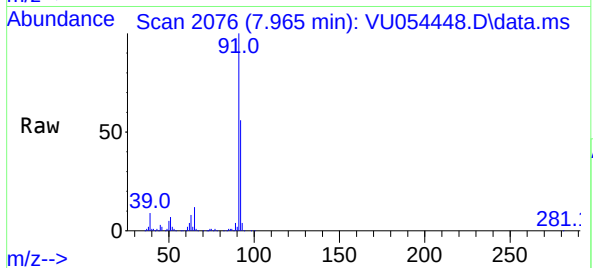
VSTD005176

Tgt Ion: 91 Resp: 578820

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 5.220 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054448.D

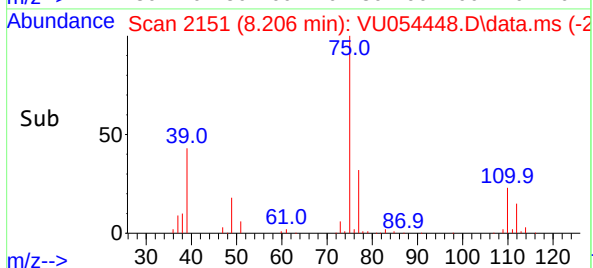
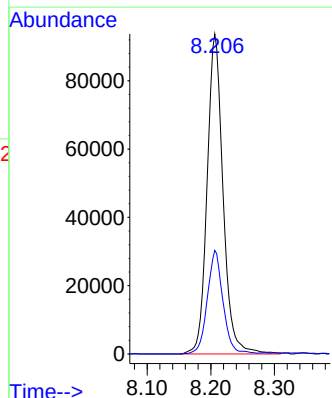
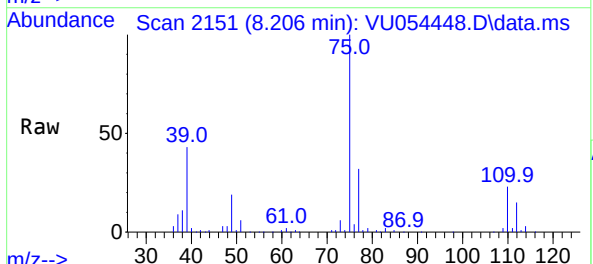
Acq: 08 Jun 2023 20:04

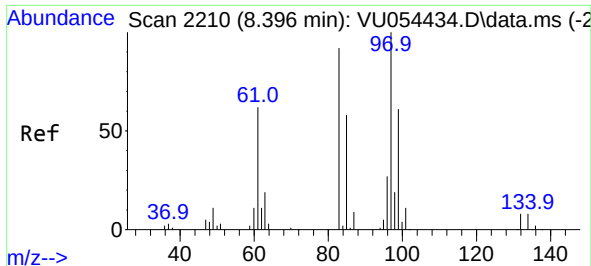
Tgt Ion: 75 Resp: 162952

Ion Ratio Lower Upper

75 100

77 32.4 21.3 39.6



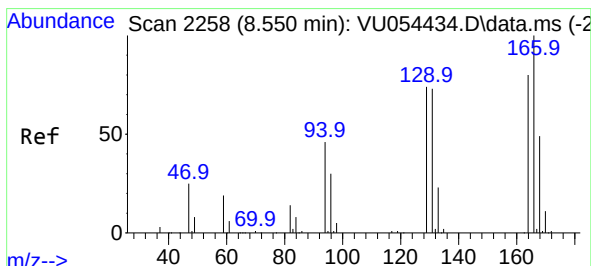
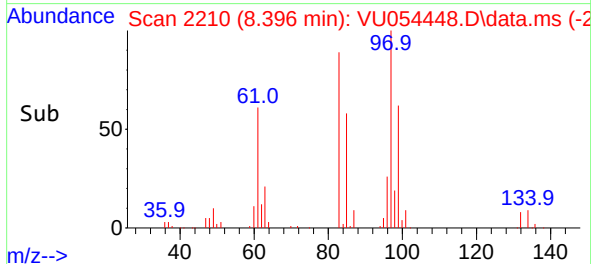
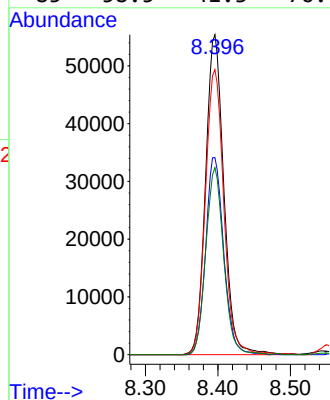
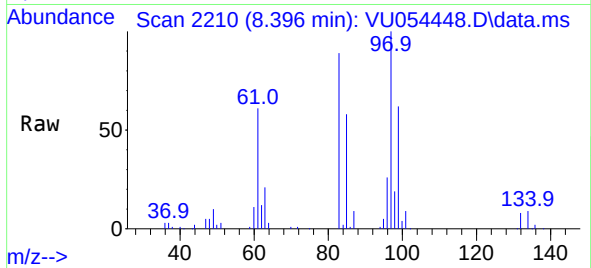


#45
1,1,2-Trichloroethane
Concen: 5.402 ug/L
RT: 8.396 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

Tgt Ion: 97 Resp: 96817

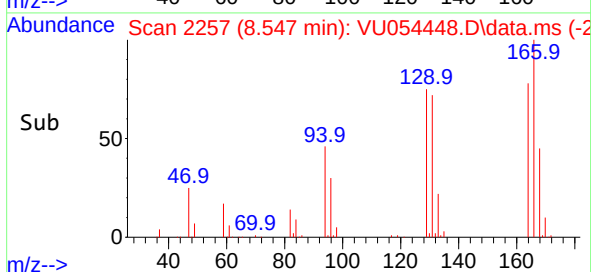
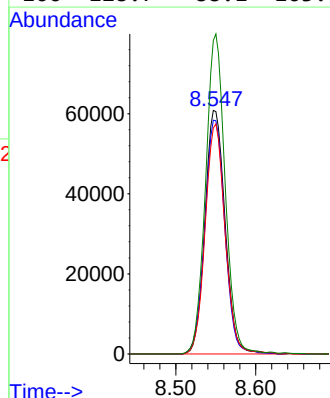
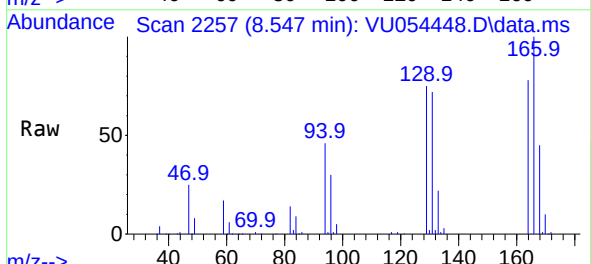
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.0	80.0
83	89.1	63.8	118.6
85	58.5	41.3	76.7

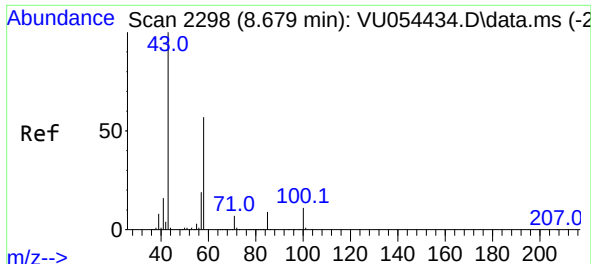


#47
Tetrachloroethene
Concen: 5.060 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 164 Resp: 106727

Ion	Ratio	Lower	Upper
164	100		
129	96.0	67.7	125.7
131	92.8	64.6	120.0
166	128.7	88.1	163.7



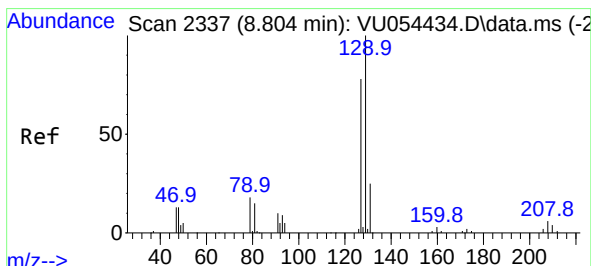
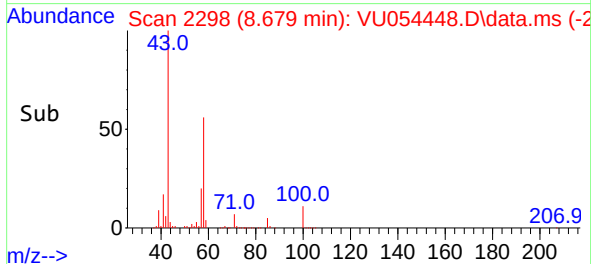
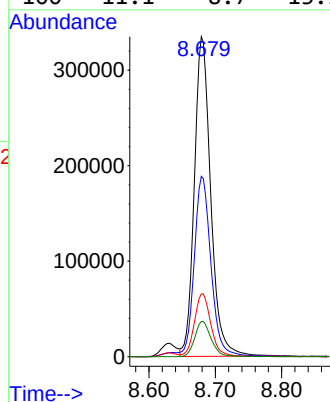
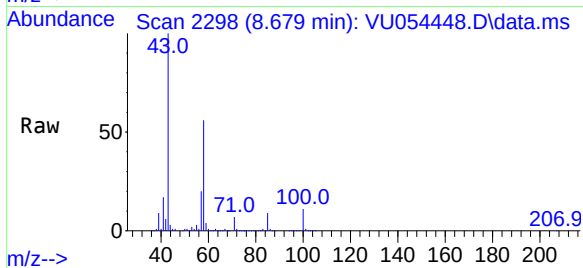


#48
2-Hexanone
Concen: 51.378 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

Tgt Ion: 43 Resp: 575535

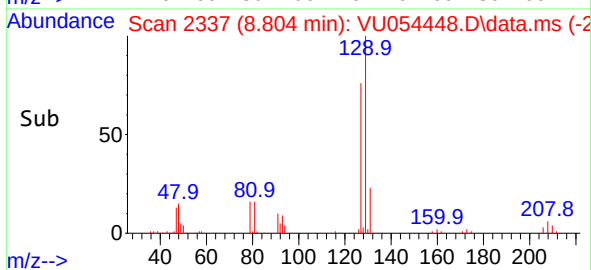
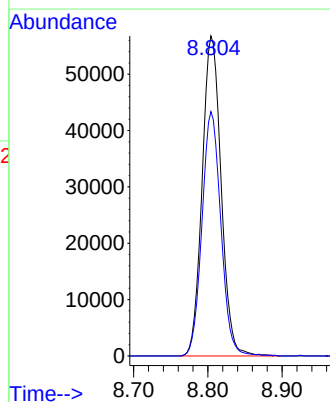
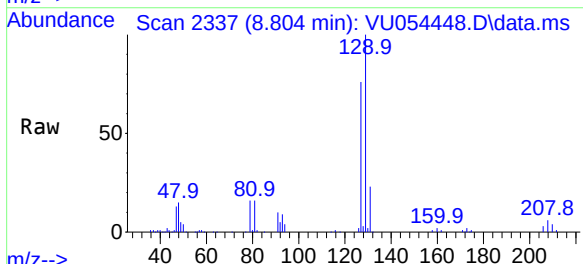
Ion	Ratio	Lower	Upper
43	100		
58	57.2	45.2	67.8
57	19.6	15.8	23.6
100	11.1	8.7	13.1

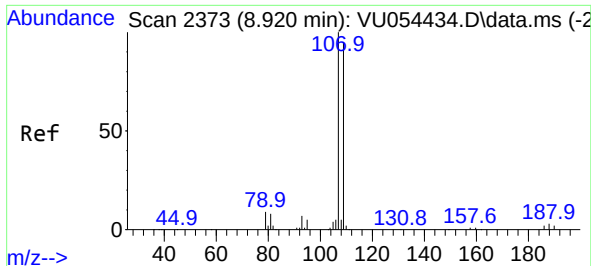


#49
Dibromochloromethane
Concen: 5.354 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 129 Resp: 100746

Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.2	98.8

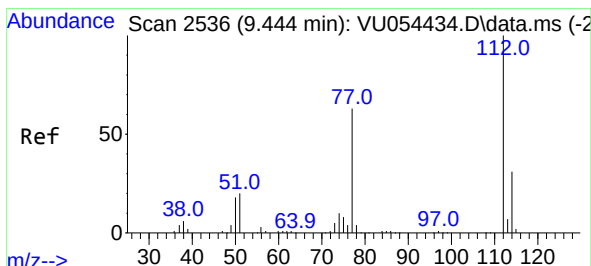
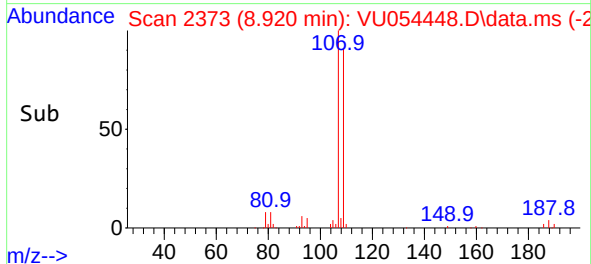
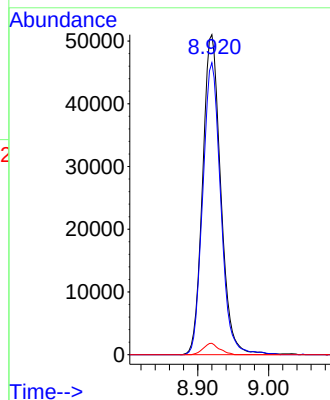
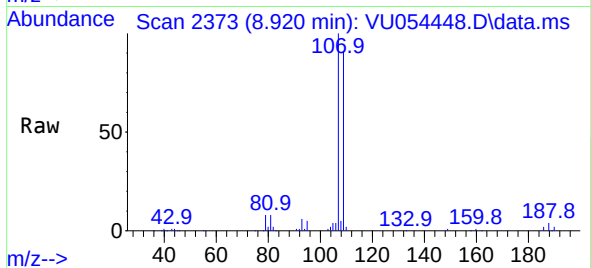




#50
1,2-Dibromoethane
Concen: 5.500 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

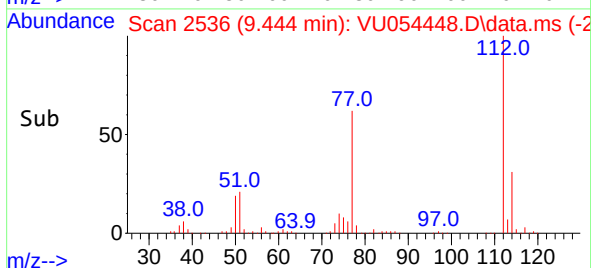
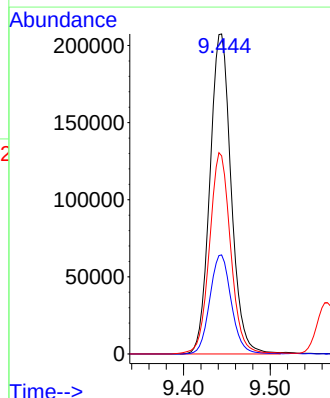
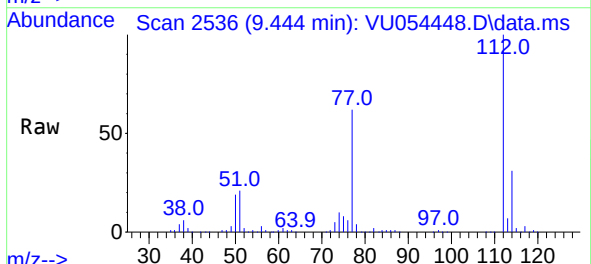
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

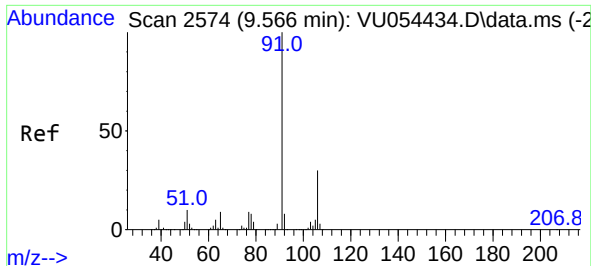
Tgt Ion:107 Resp: 90494
Ion Ratio Lower Upper
107 100
109 91.2 66.6 123.6
188 3.5 3.1 4.7



#51
Chlorobenzene
Concen: 5.294 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:112 Resp: 354116
Ion Ratio Lower Upper
112 100
114 30.9 22.7 42.1
77 61.9 49.8 74.8

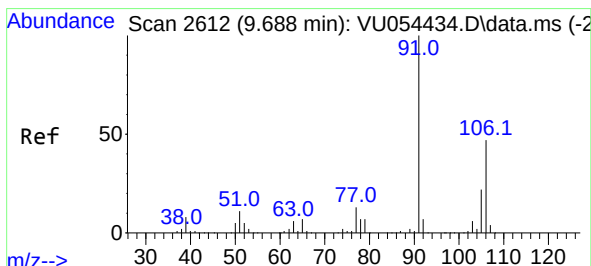
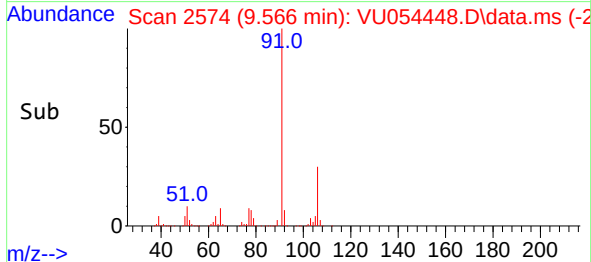
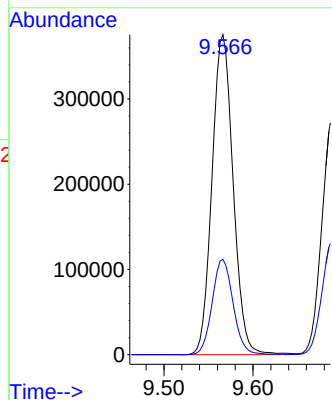
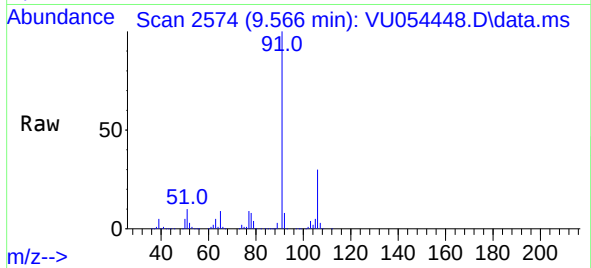




#52
Ethylbenzene
Concen: 5.269 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

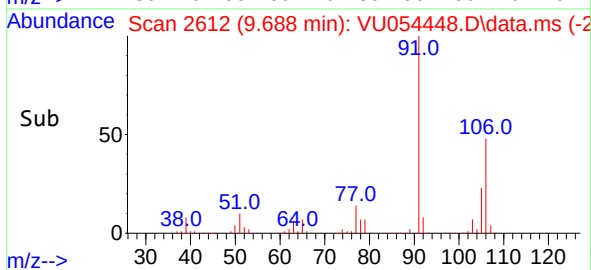
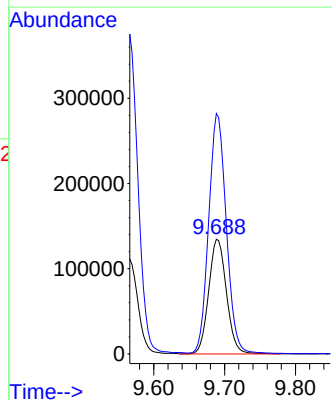
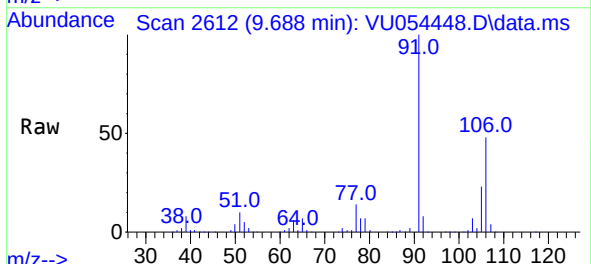
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

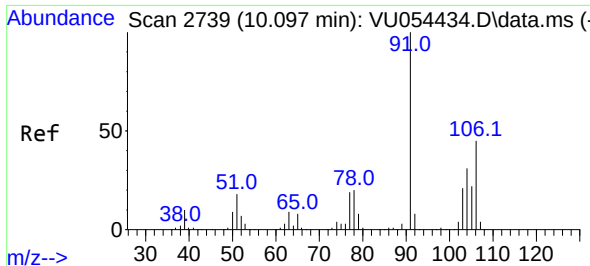
Tgt Ion: 91 Resp: 617397
Ion Ratio Lower Upper
91 100
106 29.8 21.1 39.3



#53
m,p-Xylene
Concen: 5.449 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 106 Resp: 234587
Ion Ratio Lower Upper
106 100
91 209.5 147.0 273.0

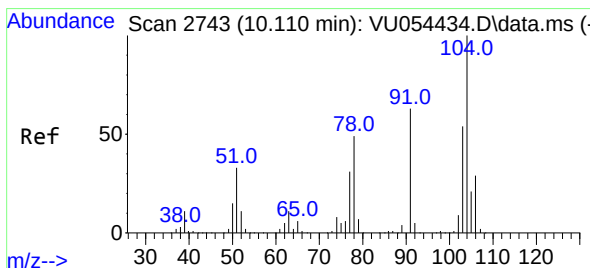
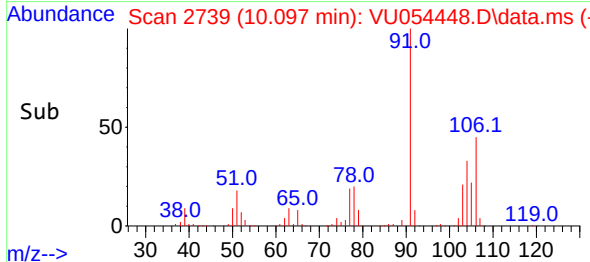
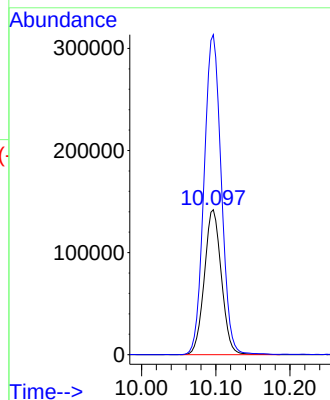
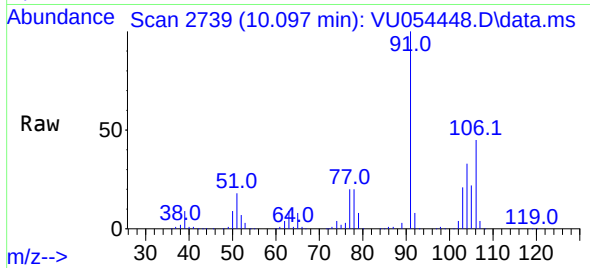




#54
o-Xylene
Concen: 5.434 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

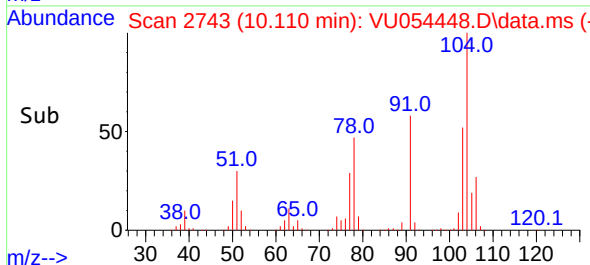
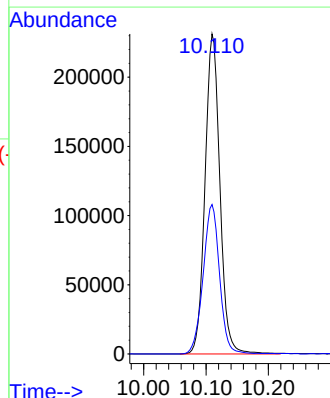
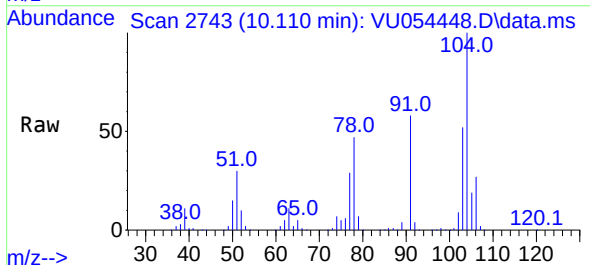
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

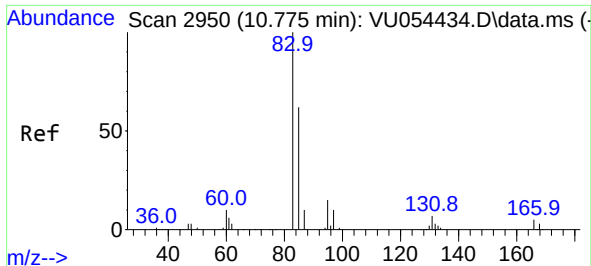
Tgt Ion:106 Resp: 226205
Ion Ratio Lower Upper
106 100
91 220.6 154.5 286.9



#55
Styrene
Concen: 5.494 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:104 Resp: 383895
Ion Ratio Lower Upper
104 100
78 46.7 33.0 61.4

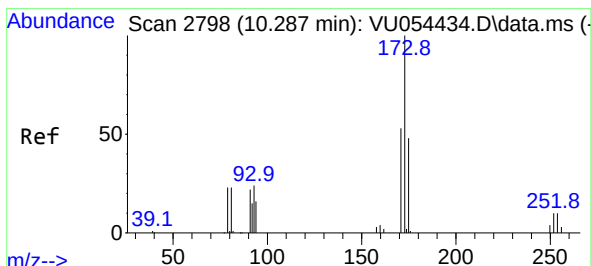
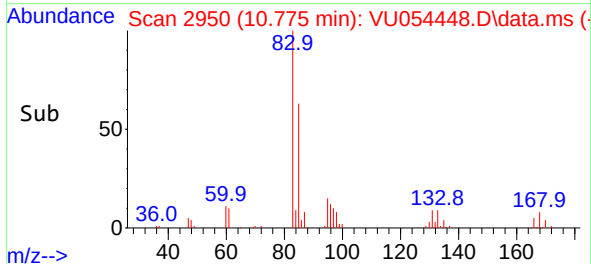
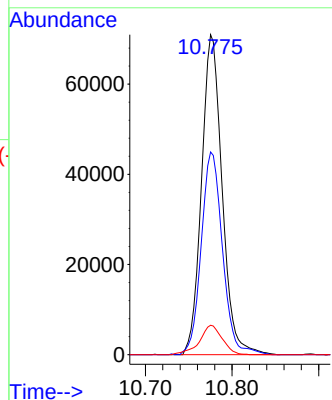
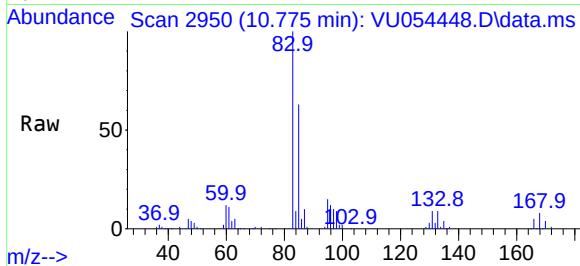




#57
1,1,2,2-Tetrachloroethane
Concen: 5.151 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

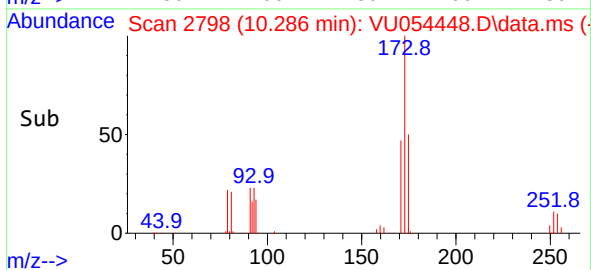
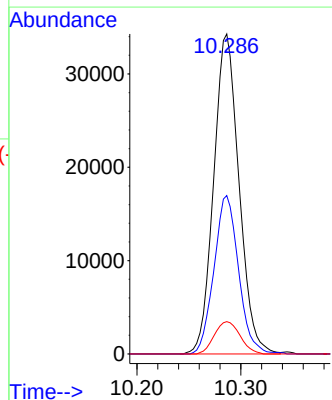
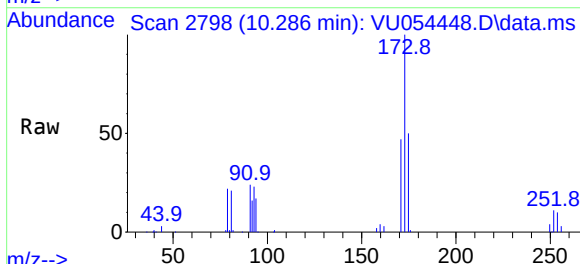
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

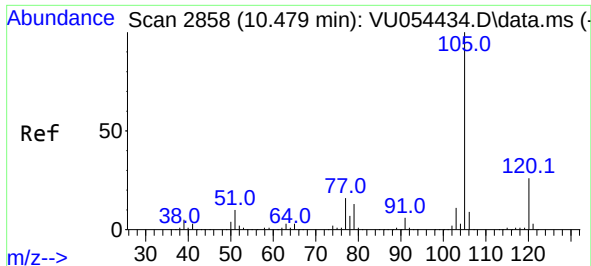
Tgt Ion: 83 Resp: 117260
Ion Ratio Lower Upper
83 100
85 63.4 44.2 82.2
131 9.2 7.0 10.6



#59
Bromoform
Concen: 5.195 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:173 Resp: 58048
Ion Ratio Lower Upper
173 100
175 48.1 39.4 59.0
254 10.3 8.6 12.8

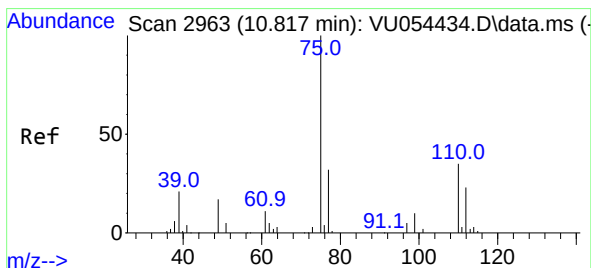
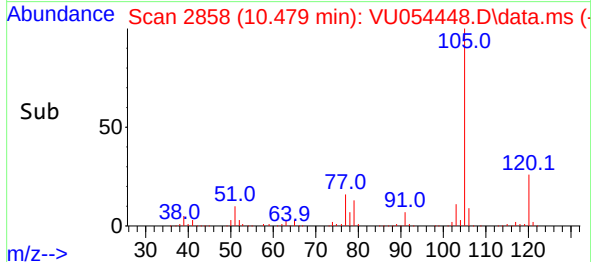
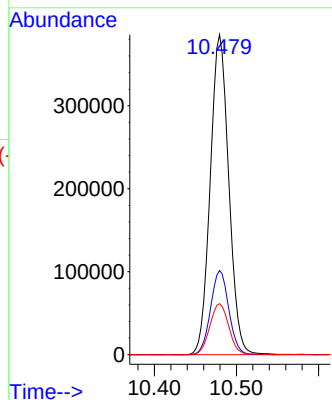
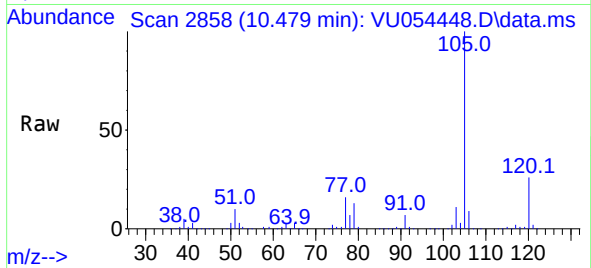




#60
Isopropylbenzene
Concen: 5.312 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

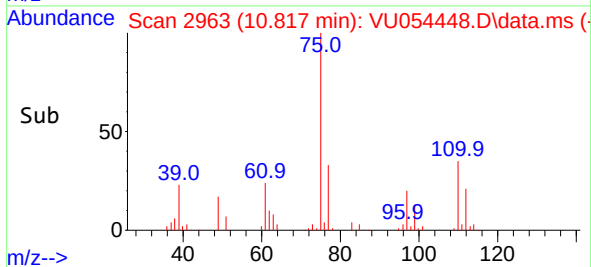
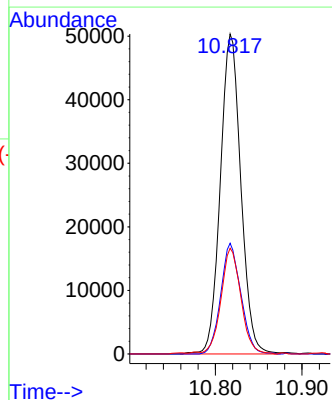
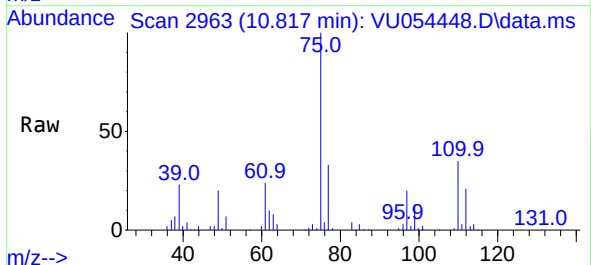
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

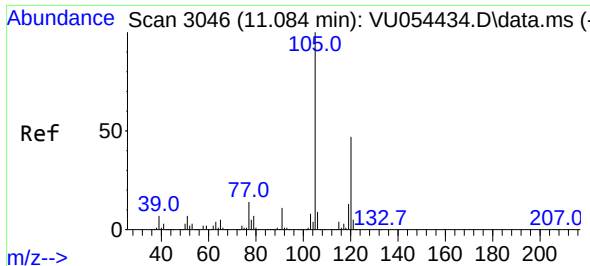
Tgt Ion:105 Resp: 604849
Ion Ratio Lower Upper
105 100
120 25.9 20.9 31.3
77 16.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.255 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion: 75 Resp: 82669
Ion Ratio Lower Upper
75 100
110 33.9 28.0 42.0
77 31.9 25.4 38.2

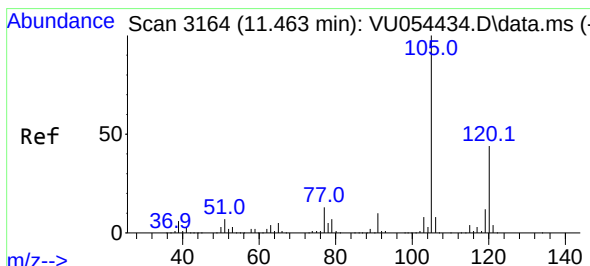
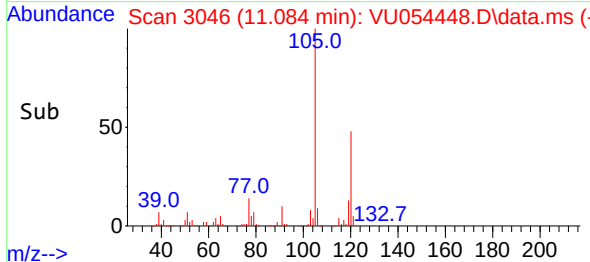
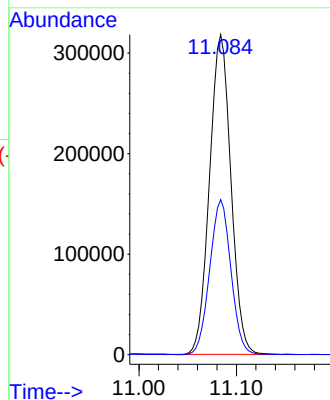
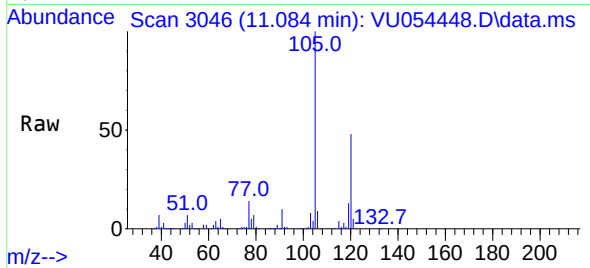




#62
1,3,5-Trimethylbenzene
Concen: 5.226 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

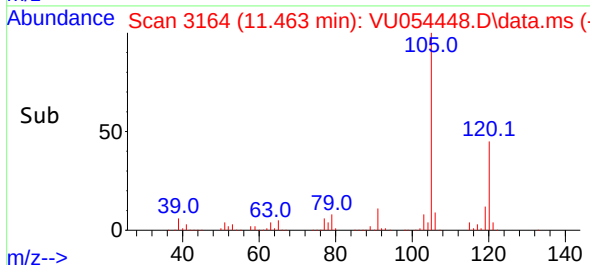
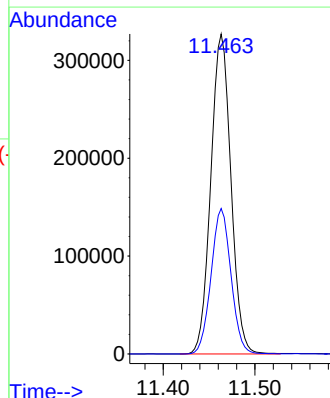
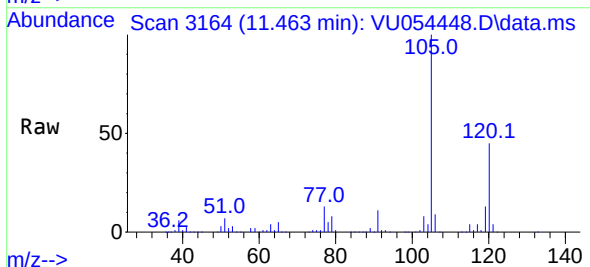
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

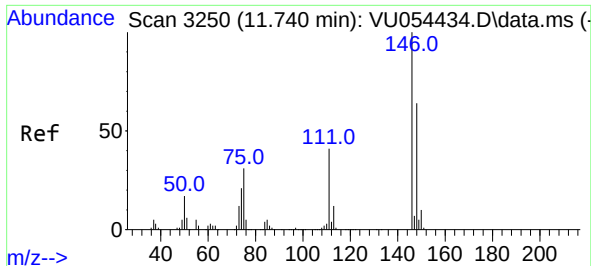
Tgt Ion:105 Resp: 485541
Ion Ratio Lower Upper
105 100
120 48.1 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 5.284 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:105 Resp: 498610
Ion Ratio Lower Upper
105 100
120 45.0 35.4 53.0

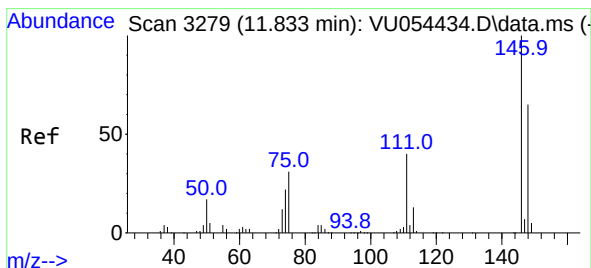
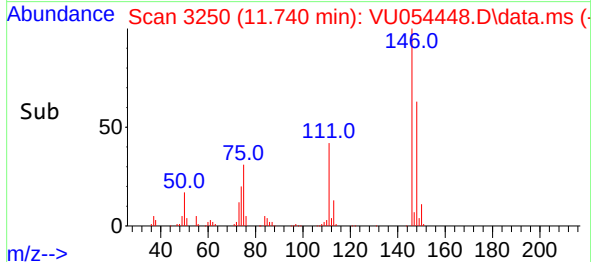
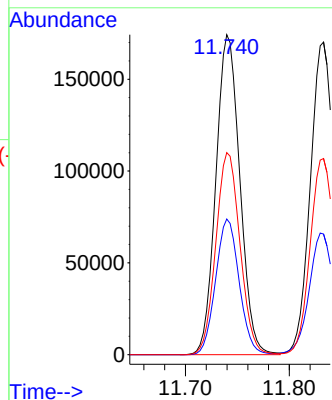
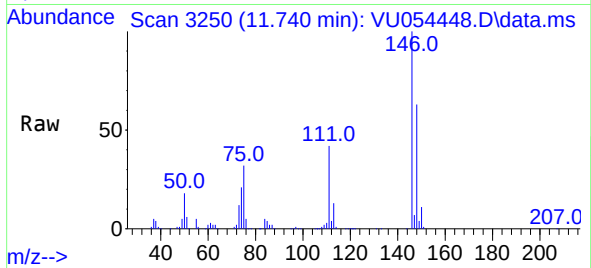




#64
1,3-Dichlorobenzene
Concen: 5.254 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

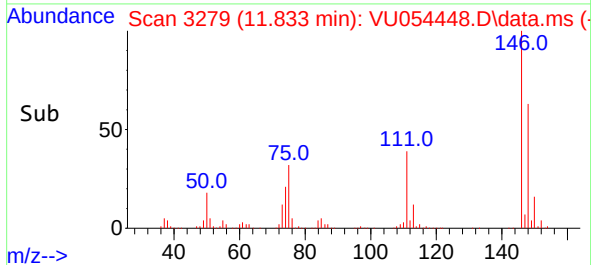
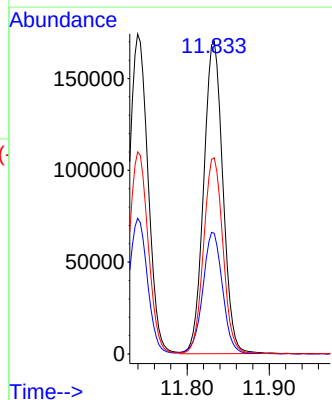
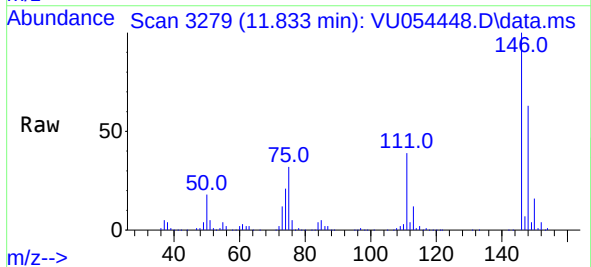
Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

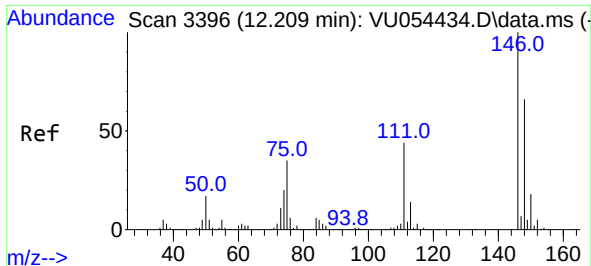
Tgt Ion:146 Resp: 279651
Ion Ratio Lower Upper
146 100
111 42.4 28.9 53.7
148 63.2 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.174 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:146 Resp: 276389
Ion Ratio Lower Upper
146 100
111 38.6 28.0 52.0
148 62.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.251 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054448.D

Acq: 08 Jun 2023 20:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005176

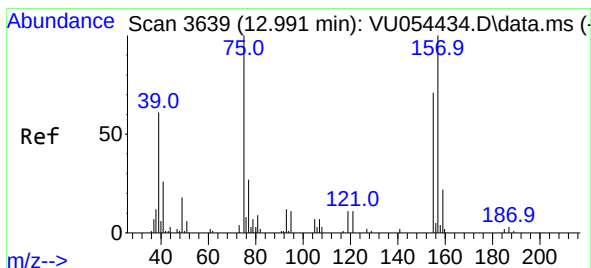
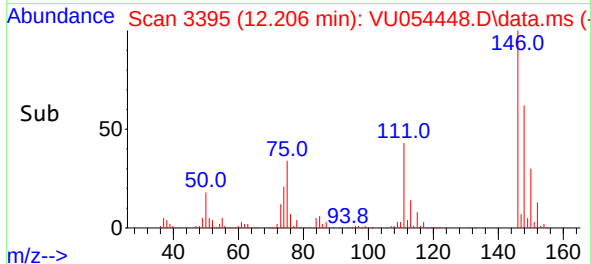
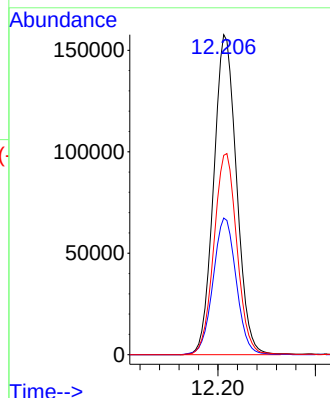
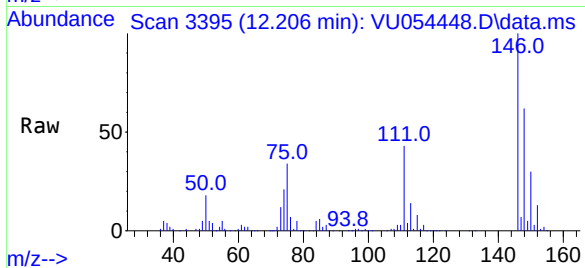
Tgt Ion:146 Resp: 257018

Ion Ratio Lower Upper

146 100

111 42.7 34.5 51.7

148 62.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 5.048 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.003 min

Lab File: VU054448.D

Acq: 08 Jun 2023 20:04

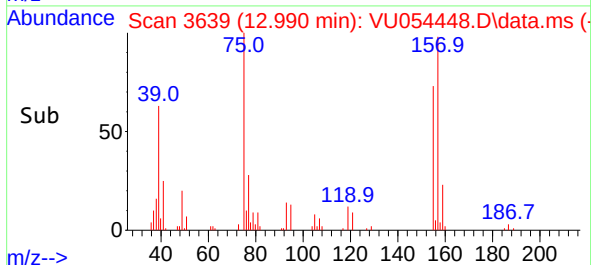
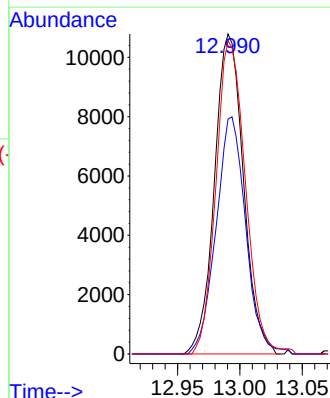
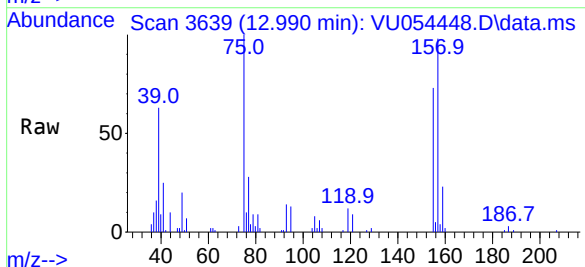
Tgt Ion: 75 Resp: 17450

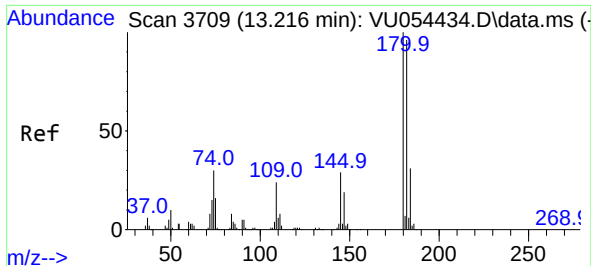
Ion Ratio Lower Upper

75 100

155 73.4 65.7 98.5

157 97.9 84.2 126.2



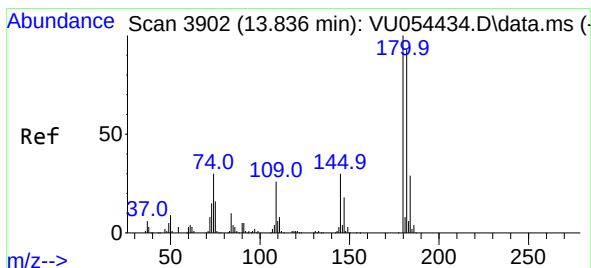
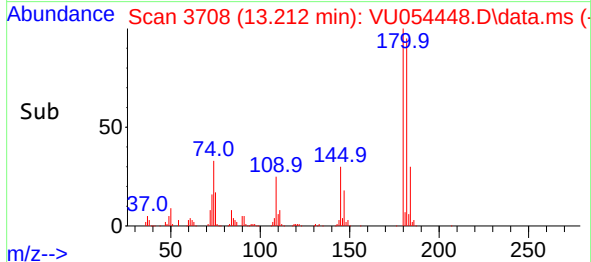
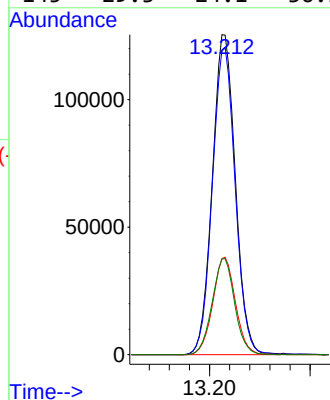
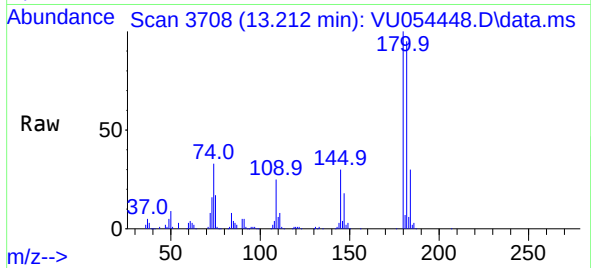


#69
1,3,5-Trichlorobenzene
Concen: 4.969 ug/L
RT: 13.212 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

Tgt Ion:180 Resp: 199545

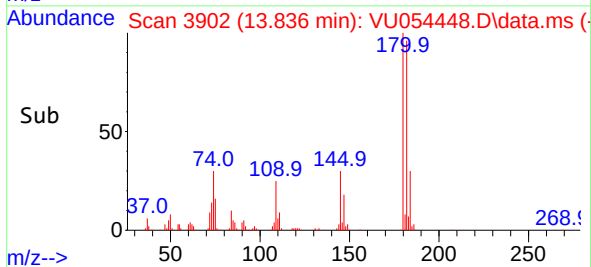
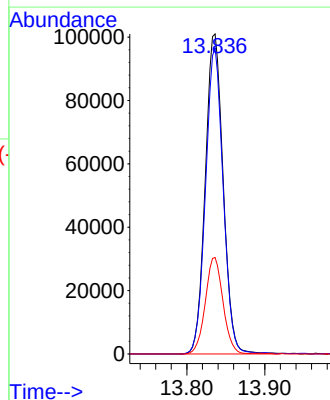
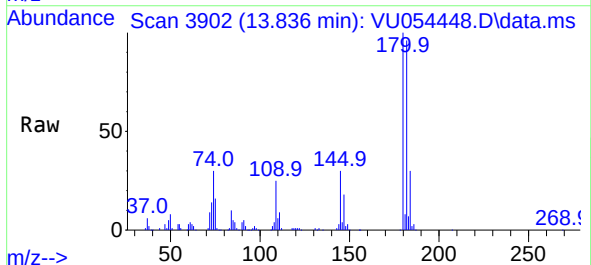
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.0	112.6
184	29.8	24.1	36.1
145	29.3	24.1	36.1

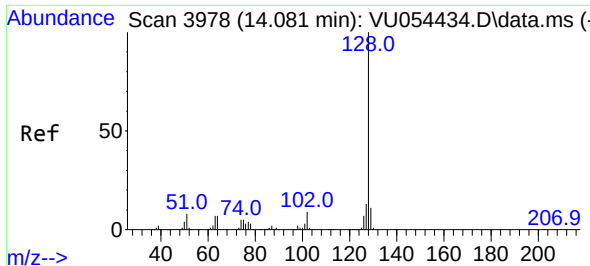


#70
1,2,4-trichlorobenzene
Concen: 4.843 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:180 Resp: 160837

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	114.8
145	29.8	24.0	36.0



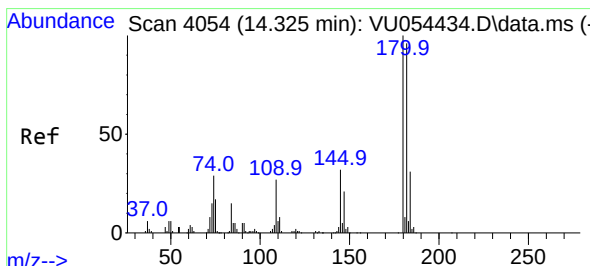
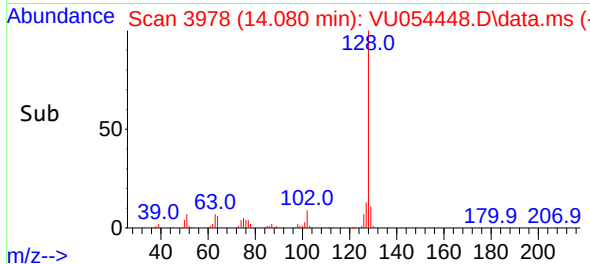
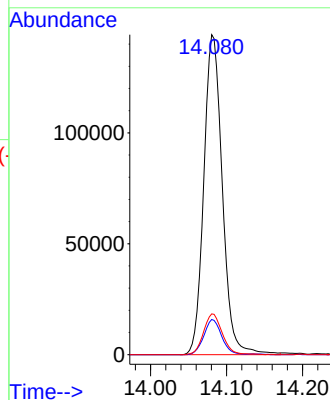
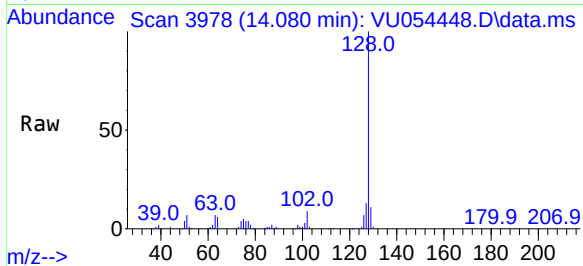


#71
Naphthalene
Concen: 4.527 ug/L
RT: 14.080 min Scan# 3978
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005176

Tgt Ion:128 Resp: 244435

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.0	10.6	15.8



#72
1,2,3-Trichlorobenzene
Concen: 4.910 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU054448.D
Acq: 08 Jun 2023 20:04

Tgt Ion:180 Resp: 140082

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.4	113.2
145	32.1	26.0	39.0

