

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121523\
 Data File : VU056892.D
 Acq On : 15 Dec 2023 20:26
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005085

Quant Time: Dec 15 22:28:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Difluorobenzene		6.245	114	235899	5.000	ug/L	0.00
28) Chlorobenzene-d5		9.412	117	238274	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.807	152	118221	5.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.595	65	119259	5.898	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.000%	
7) Chloroethane-d5		1.907	69	88376	5.841	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.800%	
11) 1,1-Dichloroethene-d2		2.560	65	50793	5.871	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.400%	
20) 2-Butanone-d5		4.621	46	237455	59.464	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.920%	
24) Chloroform-d		5.055	84	231883	6.056	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.200%	
26) 1,2-Dichloroethane-d4		5.695	65	108904	6.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.200%	
32) Benzene-d6		5.721	84	442517	5.988	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.800%	
36) 1,2-Dichloropropane-d6		6.685	67	132344	5.721	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.400%	
41) Toluene-d8		7.894	98	388441	5.881	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.600%	
43) trans-1,3-Dichloroprop...		8.174	79	50340	5.612	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.200%	
46) 2-Hexanone-d5		8.627	63	208603	61.655	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.300%	
56) 1,1,2,2-Tetrachloroeth...		10.749	84	100042	5.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.600%	
66) 1,2-Dichlorobenzene-d4		12.187	152	132497	5.701	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.000%	
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		1.380	85	126493	5.117	ug/L	96
3) Chloromethane		1.515	50	135474	5.574	ug/L	98
5) Vinyl chloride		1.602	62	127486	5.282	ug/L	98
6) Bromomethane		1.853	94	65637	4.612	ug/L	93
8) Chloroethane		1.930	64	72462	5.125	ug/L	99
9) Trichlorofluoromethane		2.132	101	182033	5.351	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...		2.576	101	111410	5.340	ug/L	98
12) 1,1-Dichloroethene		2.576	96	101285	5.288	ug/L	96
13) Acetone		2.631	43	125979	51.768	ug/L	97
14) Carbon disulfide		2.788	76	332688	5.007	ug/L	99
15) Methyl Acetate		2.949	43	34574	5.219	ug/L	98
16) Methylene chloride		3.039	84	111234	5.331	ug/L	99
17) Methyl tert-butyl Ether		3.354	73	220597	5.195	ug/L	99
18) trans-1,2-Dichloroethene		3.348	96	104351	5.374	ug/L	96
19) 1,1-Dichloroethane		3.862	63	202715	5.427	ug/L	98
21) 2-Butanone		4.698	43	215382	52.482	ug/L	99
22) cis-1,2-Dichloroethene		4.660	96	111445	5.275	ug/L	98
23) Bromochloromethane		4.968	128	47722	5.396	ug/L	97
25) Chloroform		5.081	83	213626	5.459	ug/L	98

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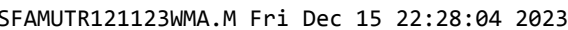
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005085

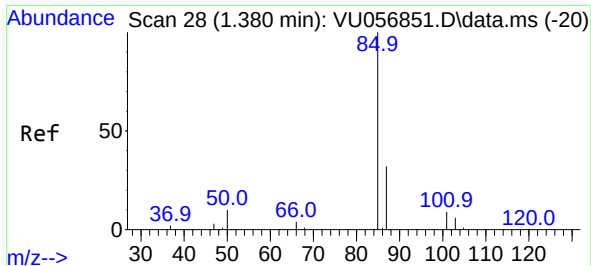
Quant Time: Dec 15 22:28:00 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	121285	5.241	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	184043	5.343	ug/L	98
30) Cyclohexane	5.383	56	162533	5.028	ug/L	99
31) Carbon tetrachloride	5.518	117	158357	5.290	ug/L	97
33) Benzene	5.766	78	451381	5.390	ug/L	100
34) Trichloroethene	6.537	95	117924	5.134	ug/L	99
35) Methylcyclohexane	6.756	83	170310	5.024	ug/L	97
37) 1,2-Dichloropropane	6.785	63	115533	5.393	ug/L	99
38) Bromodichloromethane	7.100	83	145937	5.342	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	158305	5.071	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	530011	52.107	ug/L	98
42) Toluene	7.965	91	472238	5.450	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	130050	5.082	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	75242	5.196	ug/L	96
47) Tetrachloroethene	8.547	164	84402	5.250	ug/L	95
48) 2-Hexanone	8.679	43	394679	54.480	ug/L	99
49) Dibromochloromethane	8.804	129	87507	5.257	ug/L	97
50) 1,2-Dibromoethane	8.920	107	71223	5.299	ug/L	95
51) Chlorobenzene	9.441	112	289602	5.244	ug/L	98
52) Ethylbenzene	9.566	91	500184	5.233	ug/L	100
53) m,p-Xylene	9.688	106	185288	5.203	ug/L	97
54) o-Xylene	10.097	106	179289	5.285	ug/L	99
55) Styrene	10.110	104	313446	5.627	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	91945	5.255	ug/L	100
59) Bromoform	10.286	173	51231	5.307	ug/L	99
60) Isopropylbenzene	10.479	105	489906	5.245	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	65163	5.133	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	379886	4.976	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	382994	5.051	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	225145	5.096	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	227208	5.222	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	212248	5.273	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	12956	5.112	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	154192	4.619	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	118547	4.484	ug/L	99
71) Naphthalene	14.080	128	146527	3.787	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	97172	4.329	ug/L	99

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

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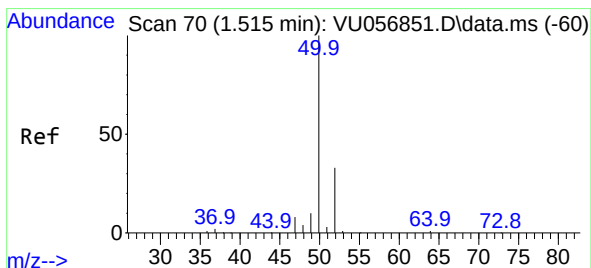
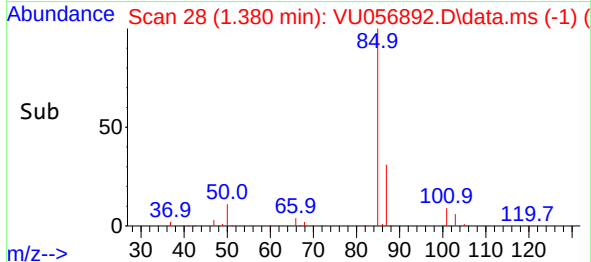
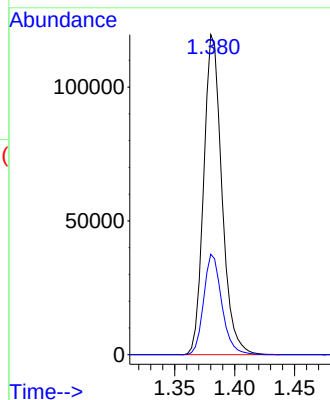
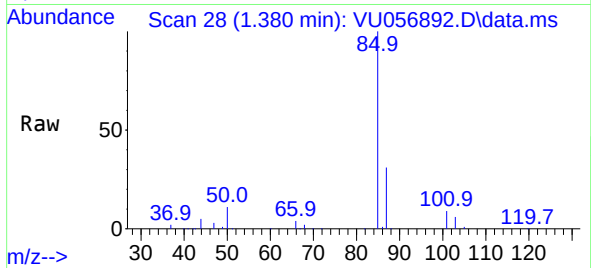




#2
Dichlorodifluoromethane
Concen: 5.117 ug/L
RT: 1.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

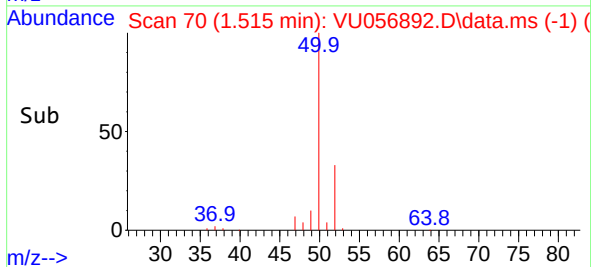
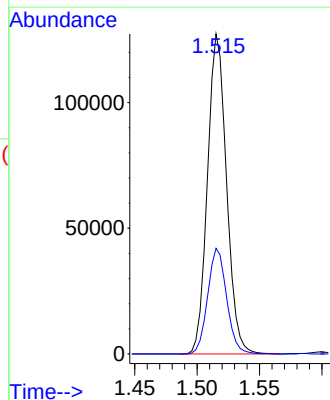
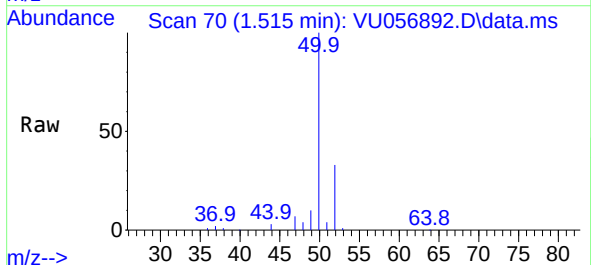
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

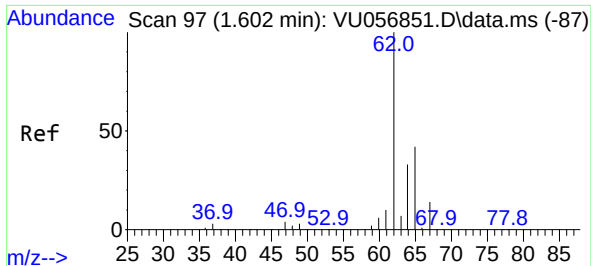
Tgt Ion: 85 Resp: 126493
Ion Ratio Lower Upper
85 100
87 31.2 26.8 40.2



#3
Chloromethane
Concen: 5.574 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 50 Resp: 135474
Ion Ratio Lower Upper
50 100
52 33.0 22.5 41.7

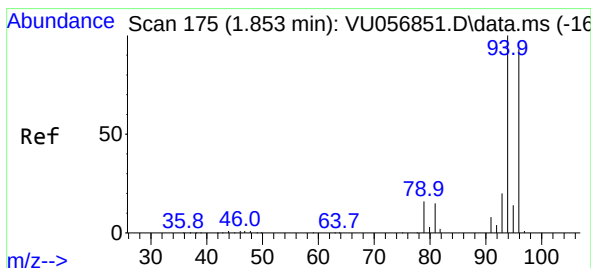
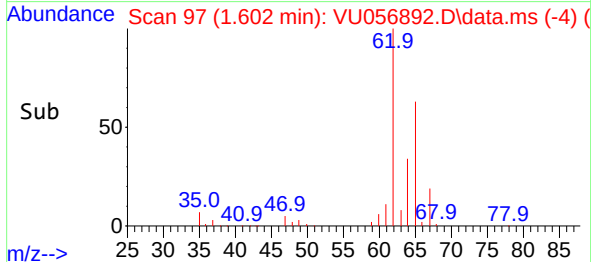
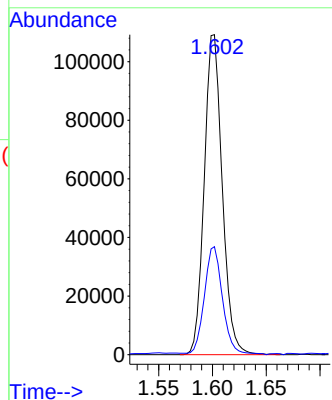
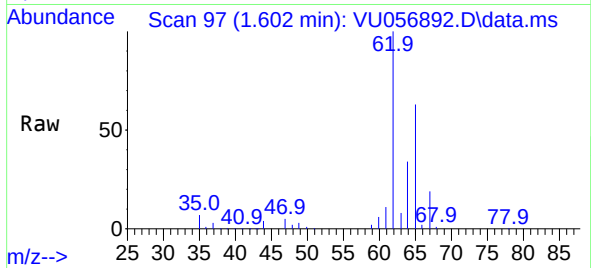




#5
Vinyl chloride
Concen: 5.282 ug/L
RT: 1.602 min Scan# 91
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

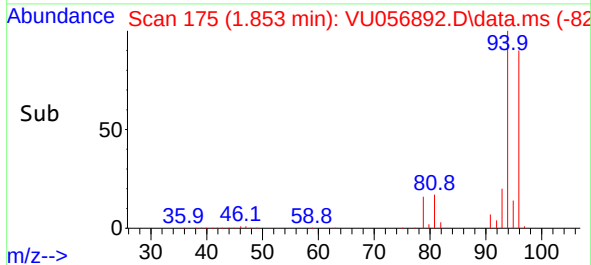
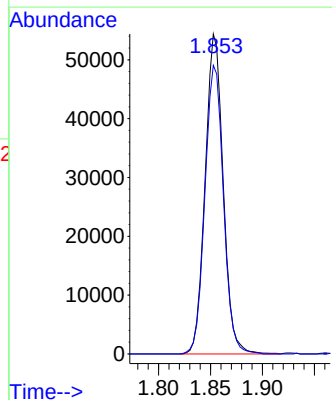
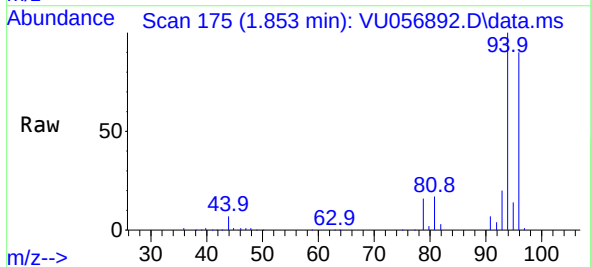
Instrument :
MSVOA_U
ClientSampleId :
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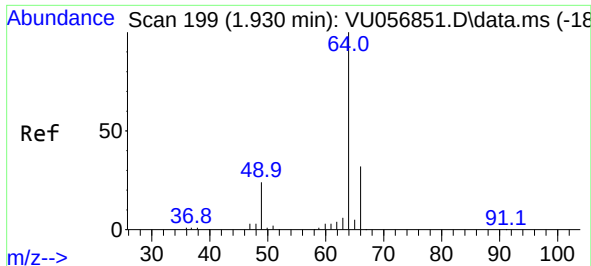
Tgt Ion: 62 Resp: 127486
Ion Ratio Lower Upper
62 100
64 33.8 22.8 42.4



#6
Bromomethane
Concen: 4.612 ug/L
RT: 1.853 min Scan# 175
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 94 Resp: 65637
Ion Ratio Lower Upper
94 100
96 90.2 67.8 125.8

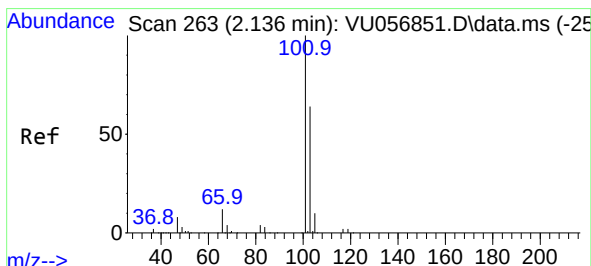
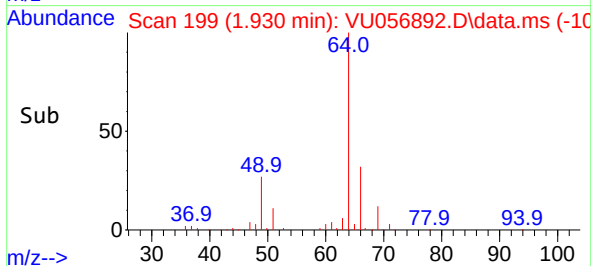
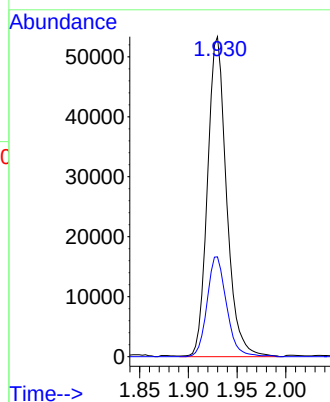
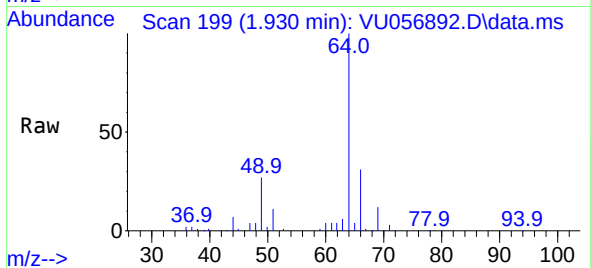




#8
Chloroethane
Concen: 5.125 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

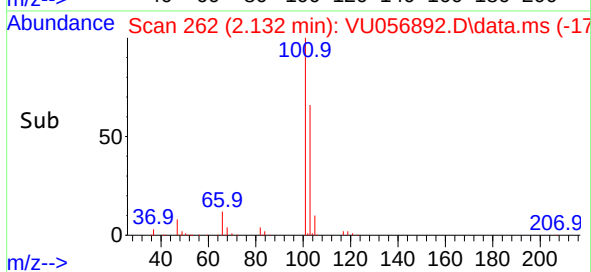
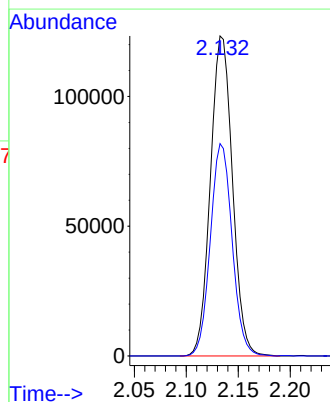
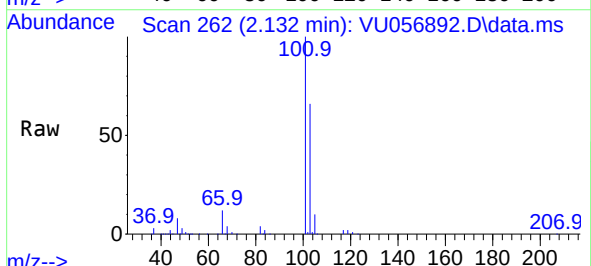
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ClientSampleId :
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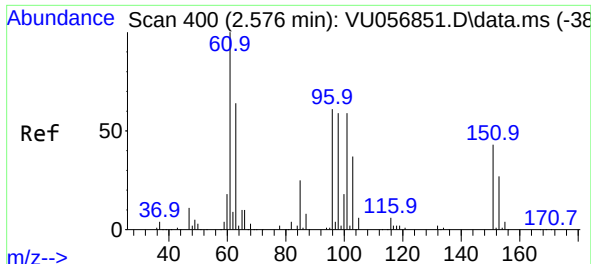
Tgt Ion: 64 Resp: 72462
Ion Ratio Lower Upper
64 100
66 31.2 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.351 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion:101 Resp: 182033
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.2

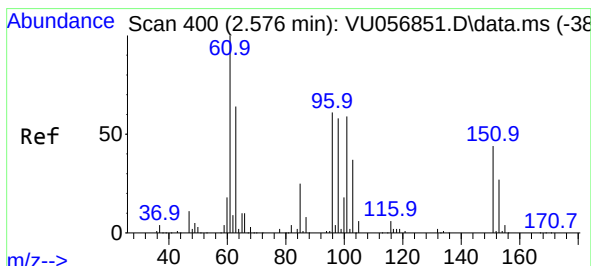
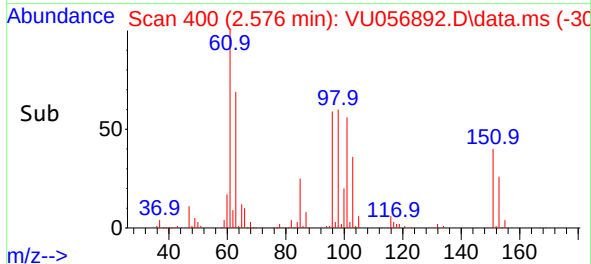
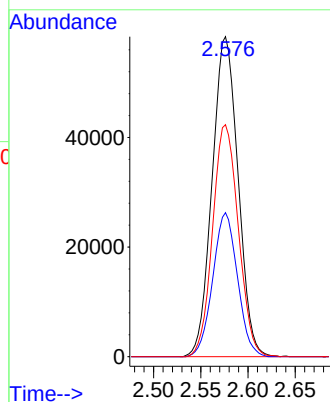
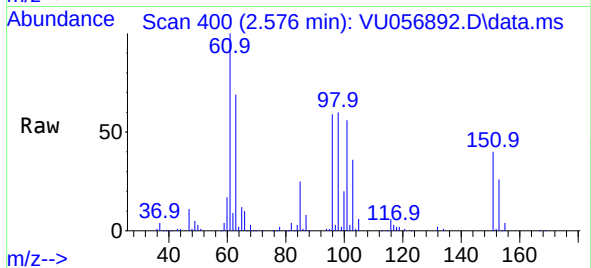




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.340 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

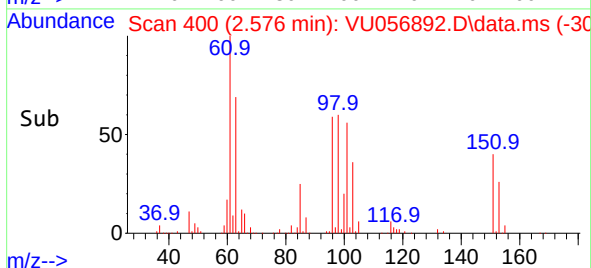
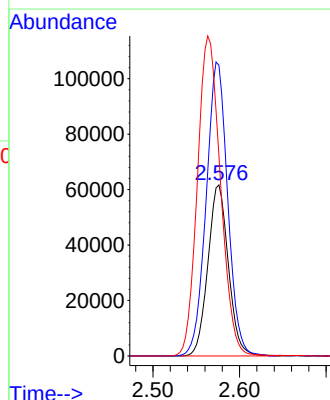
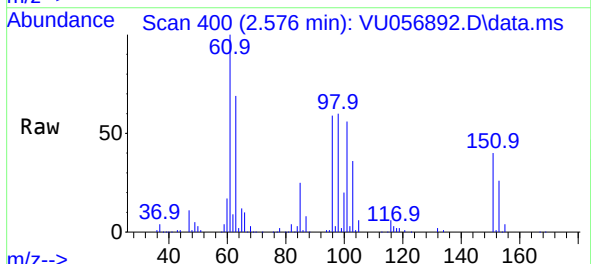
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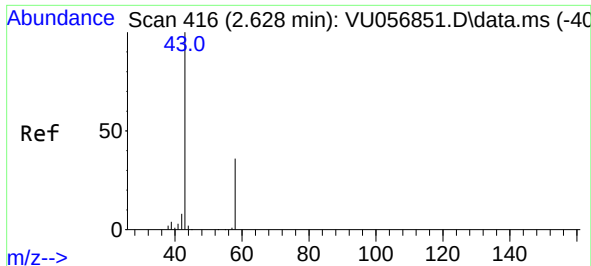
Tgt Ion:101 Resp: 111410
Ion Ratio Lower Upper
101 100
85 42.9 35.2 52.8
151 71.9 56.0 84.0



#12
1,1-Dichloroethene
Concen: 5.288 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 96 Resp: 101285
Ion Ratio Lower Upper
96 100
61 170.1 119.0 221.0
63 117.4 88.7 164.7





#13

Acetone

Concen: 51.768 ug/L

RT: 2.631 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU056892.D

Acq: 15 Dec 2023 20:26

Instrument :

MSVOA_U

ClientSampleId :

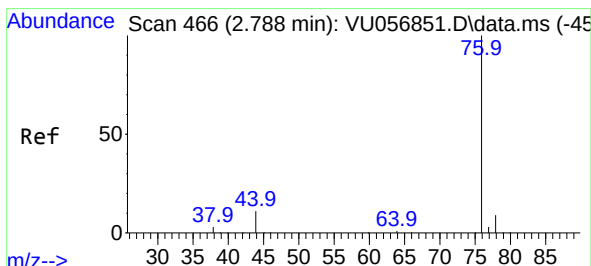
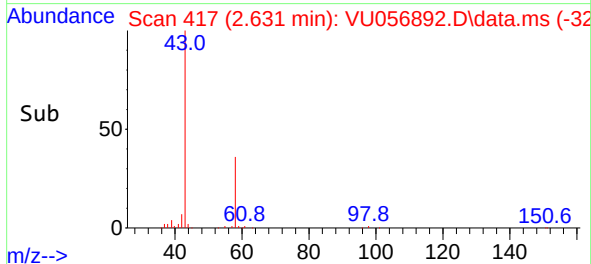
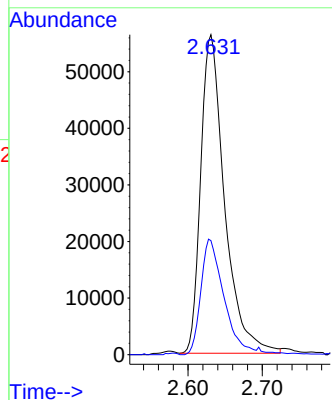
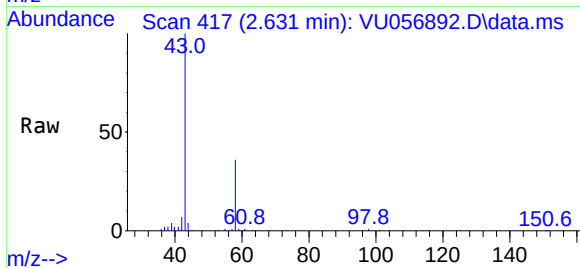
VSTD005085

Tgt Ion: 43 Resp: 125979

Ion Ratio Lower Upper

43 100

58 34.7 0.0 72.6



#14

Carbon disulfide

Concen: 5.007 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056892.D

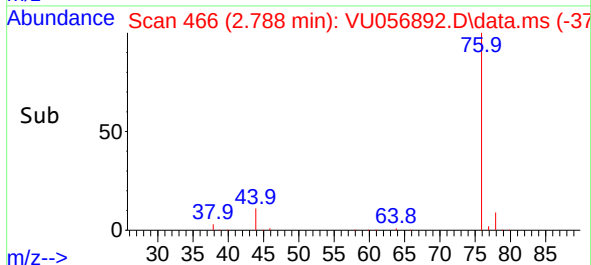
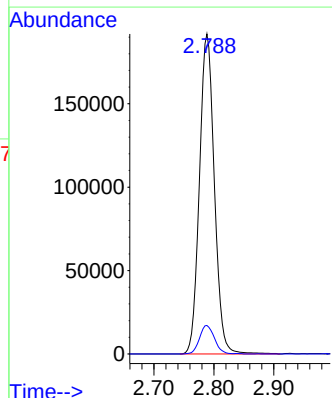
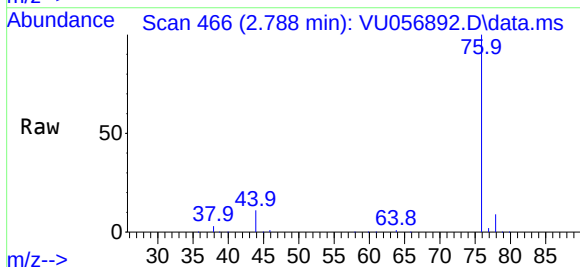
Acq: 15 Dec 2023 20:26

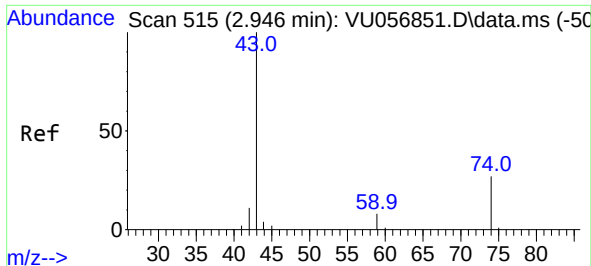
Tgt Ion: 76 Resp: 332688

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

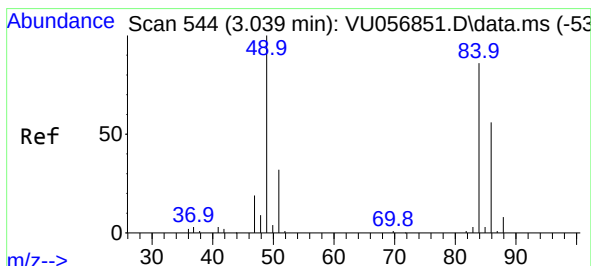
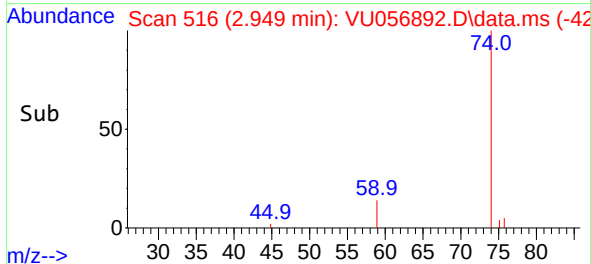
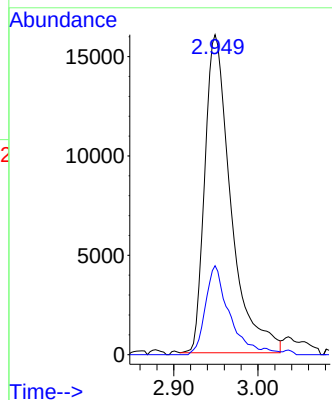
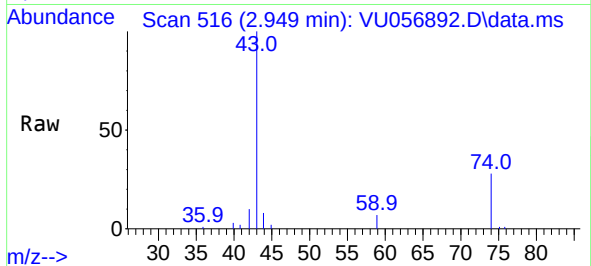




#15
Methyl Acetate
Concen: 5.219 ug/L
RT: 2.949 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

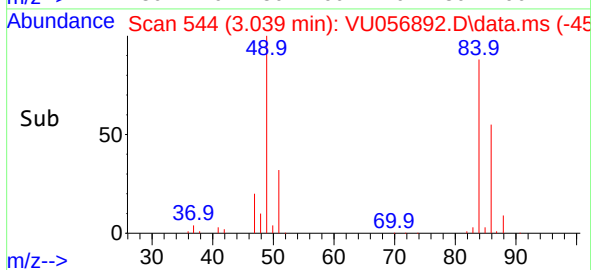
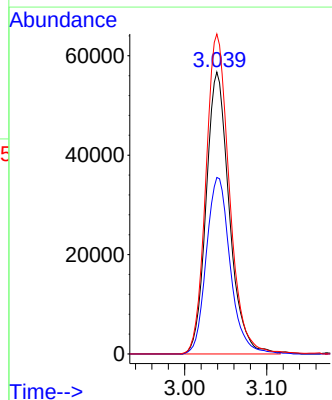
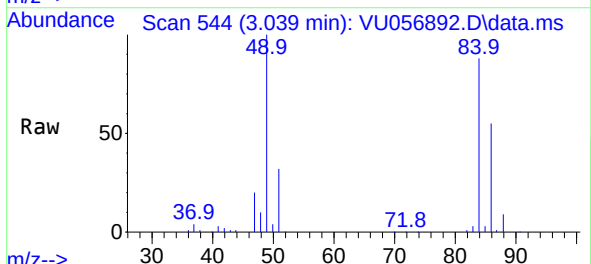
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

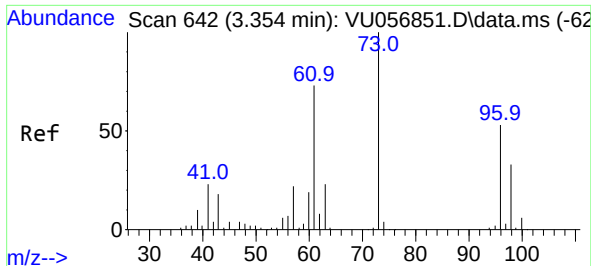
Tgt Ion: 43 Resp: 34574
Ion Ratio Lower Upper
43 100
74 25.1 21.0 31.6



#16
Methylene chloride
Concen: 5.331 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 84 Resp: 111234
Ion Ratio Lower Upper
84 100
86 62.6 43.6 81.0
49 113.5 80.6 149.6

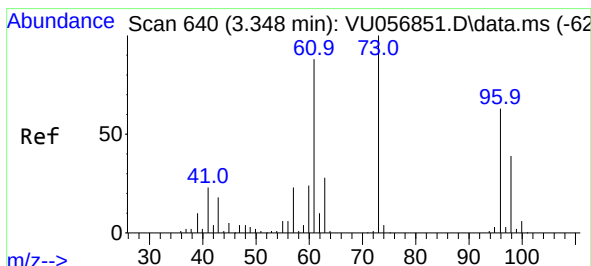
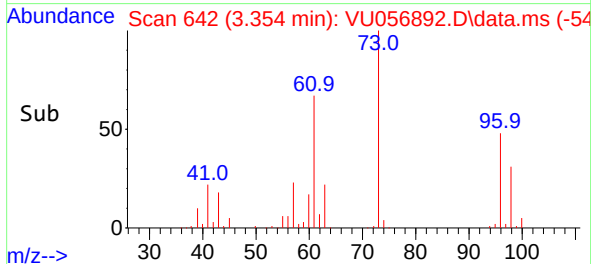
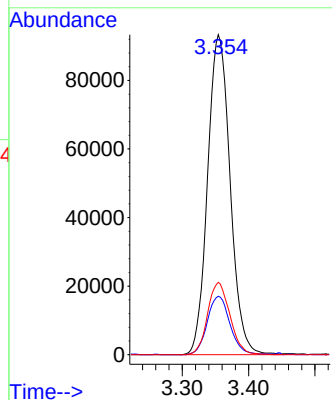
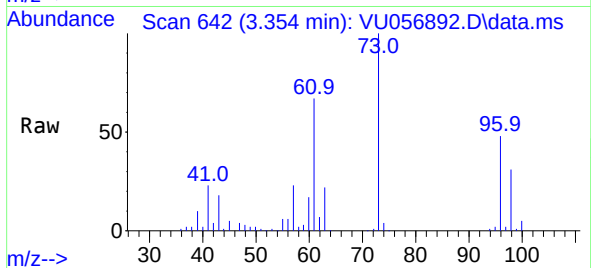




#17
Methyl tert-butyl Ether
Concen: 5.195 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

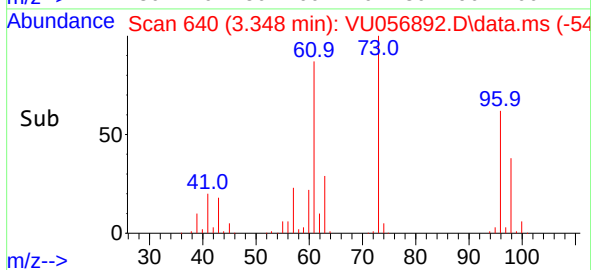
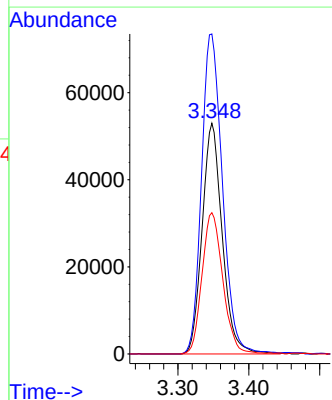
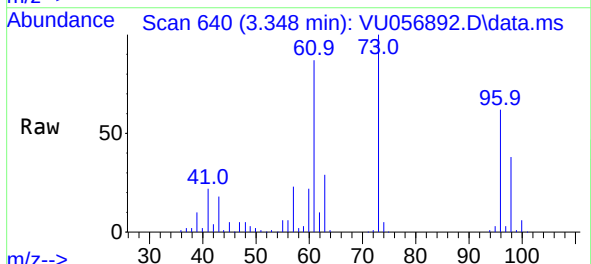
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

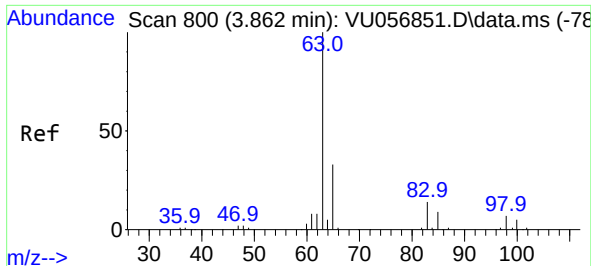
Tgt Ion: 73 Resp: 220597
Ion Ratio Lower Upper
73 100
43 18.5 14.4 21.6
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.374 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 96 Resp: 104351
Ion Ratio Lower Upper
96 100
61 138.7 101.8 189.0
98 61.2 43.0 79.8





#19

1,1-Dichloroethane

Concen: 5.427 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU056892.D

Acq: 15 Dec 2023 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005085

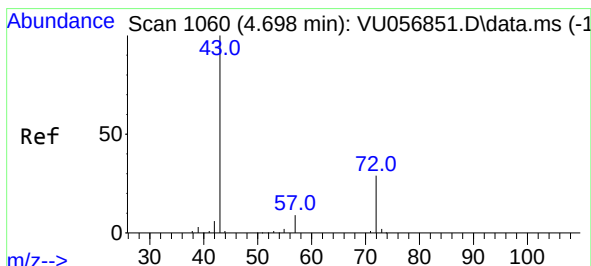
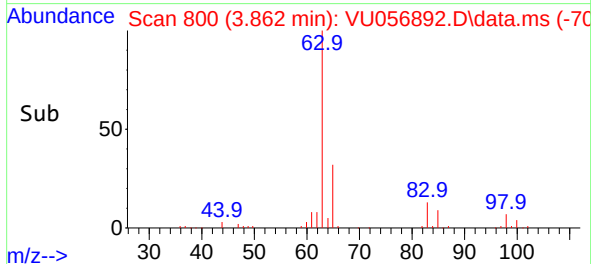
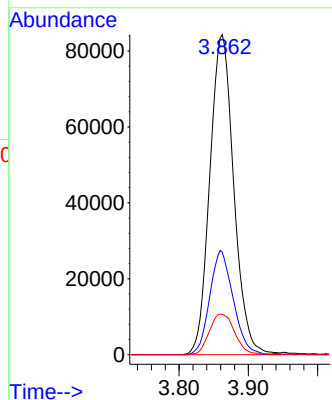
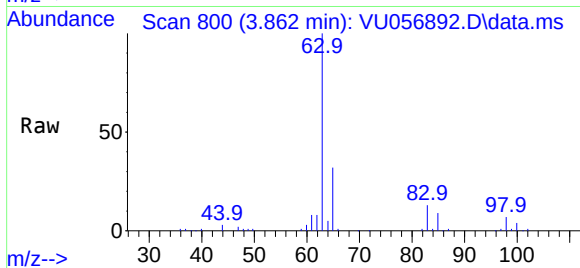
Tgt Ion: 63 Resp: 202715

Ion Ratio Lower Upper

63 100

65 32.1 22.9 42.5

83 12.6 10.1 18.9



#21

2-Butanone

Concen: 52.482 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VU056892.D

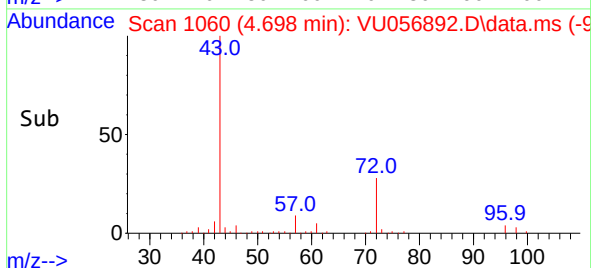
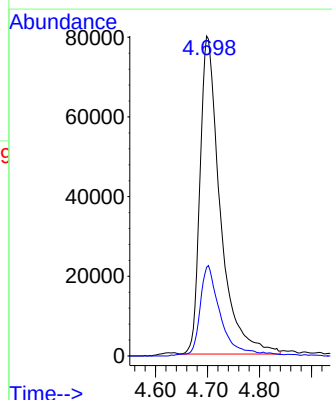
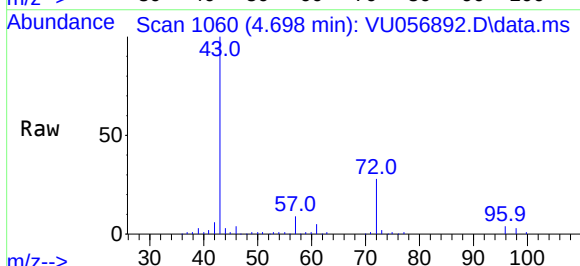
Acq: 15 Dec 2023 20:26

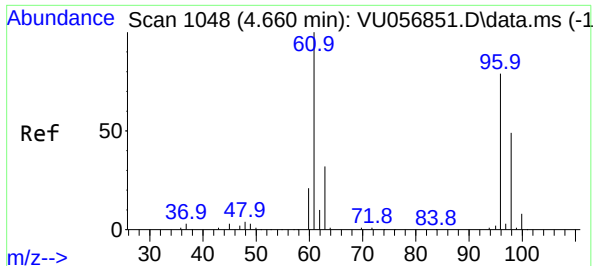
Tgt Ion: 43 Resp: 215382

Ion Ratio Lower Upper

43 100

72 28.5 14.6 43.8

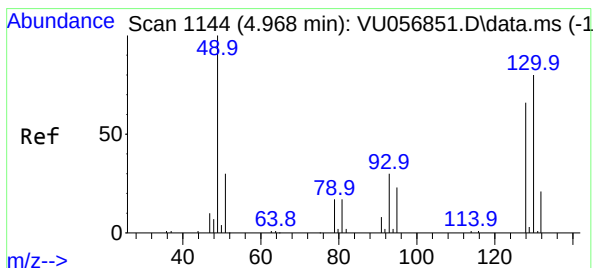
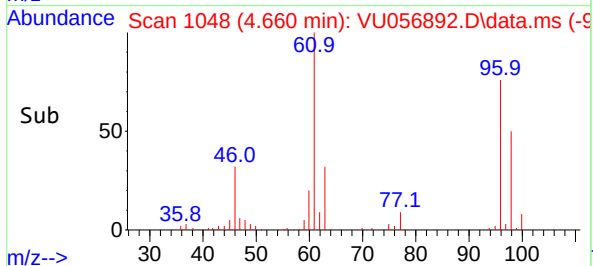
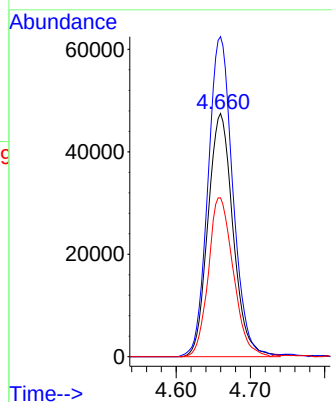
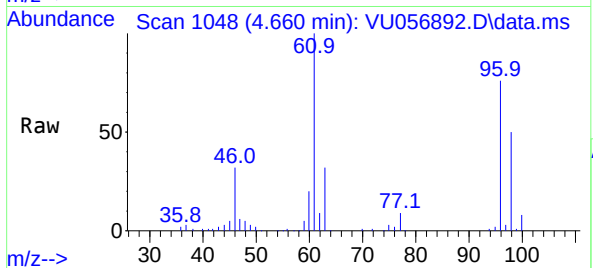




#22
cis-1,2-Dichloroethene
Concen: 5.275 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

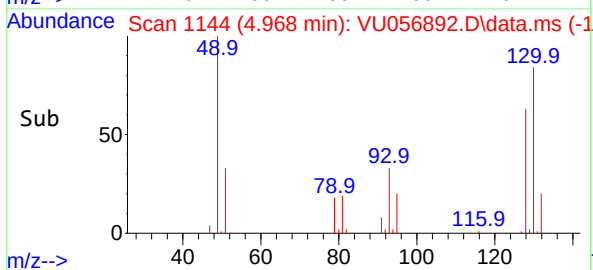
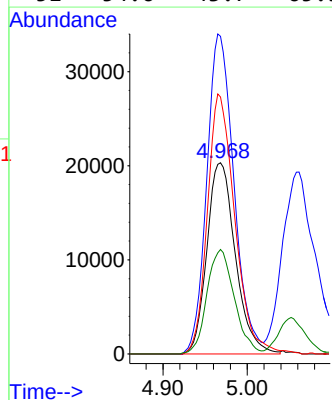
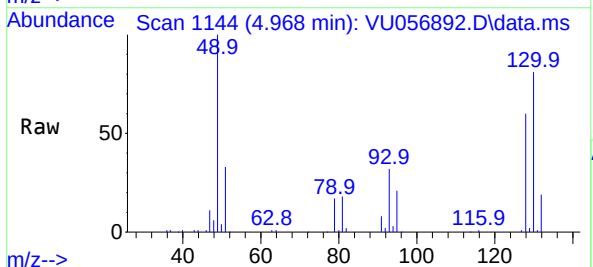
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

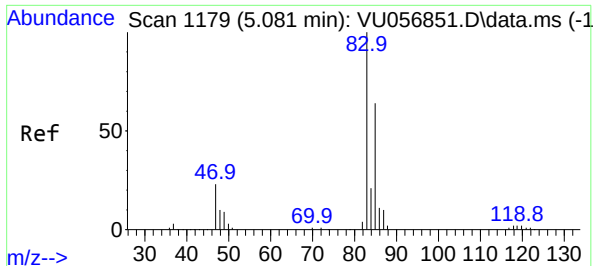
Tgt Ion: 96 Resp: 111445
Ion Ratio Lower Upper
96 100
61 131.6 91.3 169.6
98 65.3 44.2 82.0



#23
Bromochloromethane
Concen: 5.396 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 128 Resp: 47722
Ion Ratio Lower Upper
128 100
49 166.1 113.8 211.3
130 134.4 90.6 168.3
51 54.6 43.7 65.5

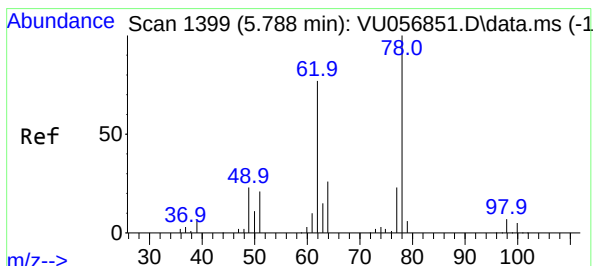
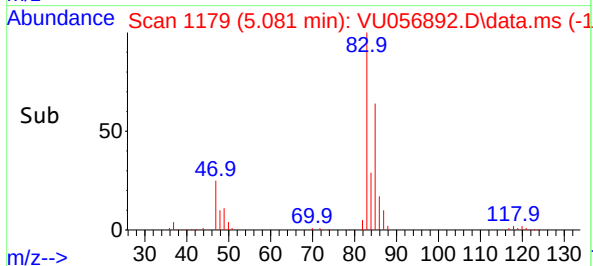
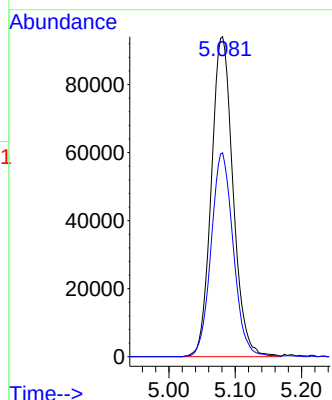
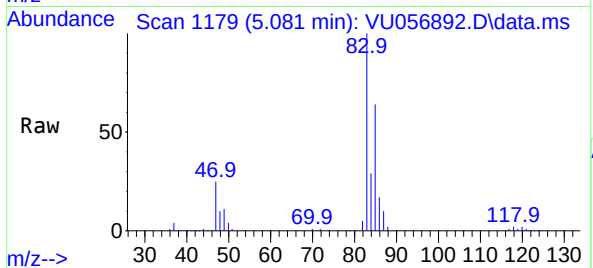




#25
Chloroform
Concen: 5.459 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

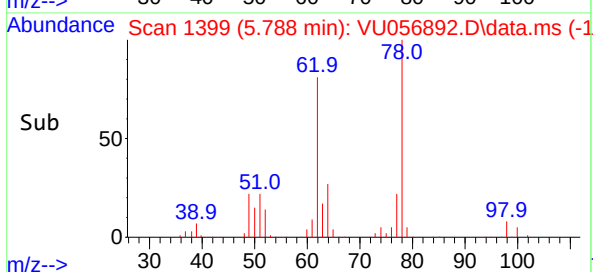
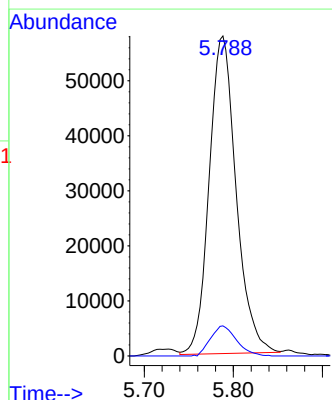
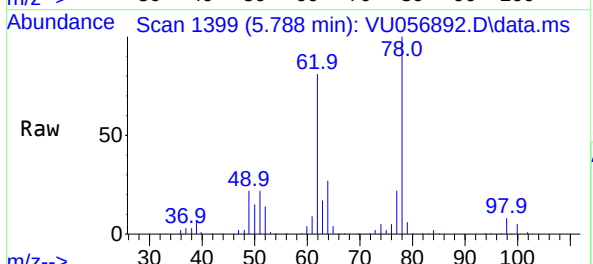
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

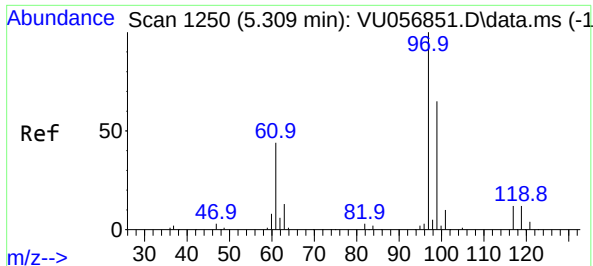
Tgt Ion: 83 Resp: 213626
Ion Ratio Lower Upper
83 100
85 63.7 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.241 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 62 Resp: 121285
Ion Ratio Lower Upper
62 100
98 9.4 7.8 11.6

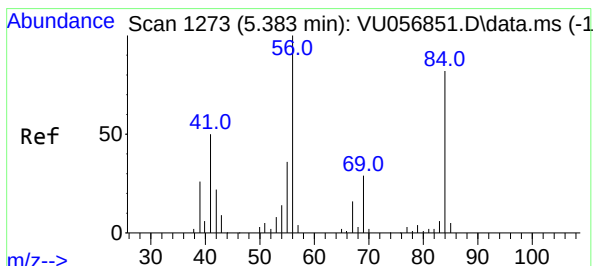
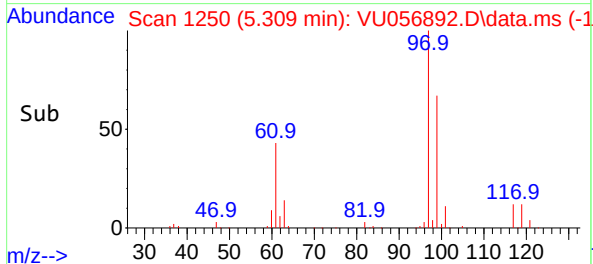
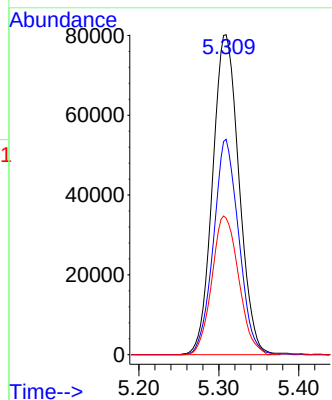
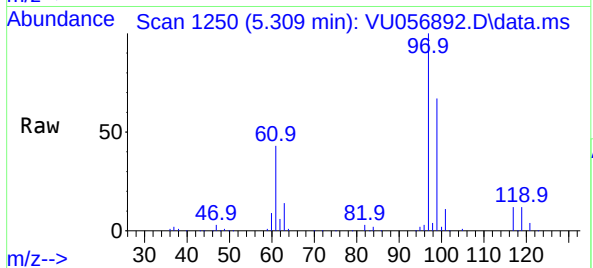




#29
1,1,1-Trichloroethane
Concen: 5.343 ug/L
RT: 5.309 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

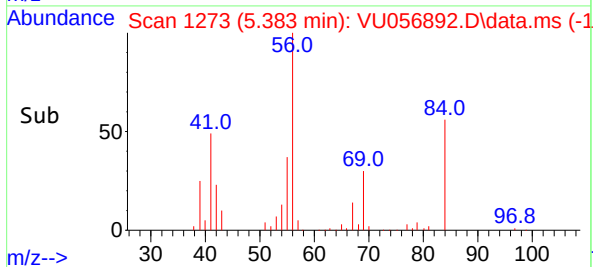
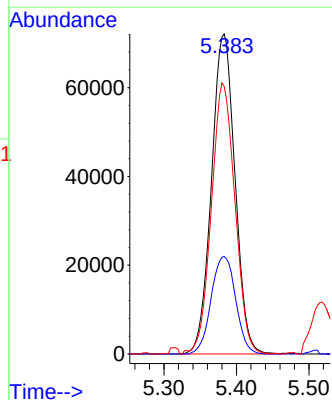
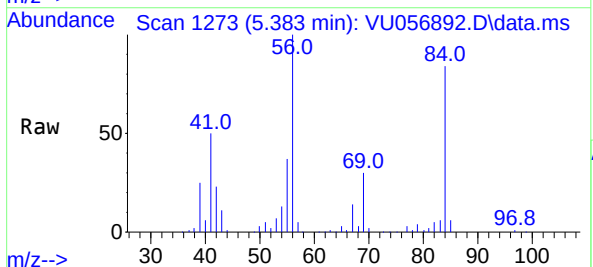
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

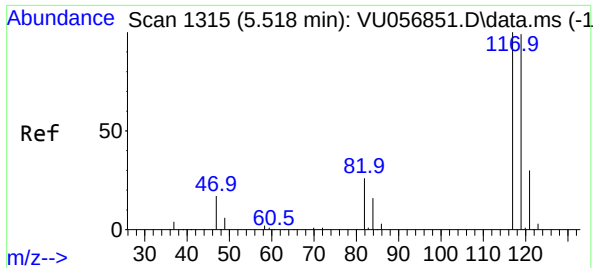
Tgt Ion: 97 Resp: 184043
Ion Ratio Lower Upper
97 100
99 64.5 52.5 78.7
61 43.9 34.2 51.2



#30
Cyclohexane
Concen: 5.028 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 56 Resp: 162533
Ion Ratio Lower Upper
56 100
69 31.7 24.9 37.3
84 84.9 67.6 101.4

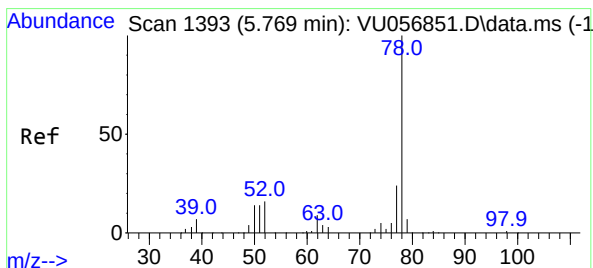
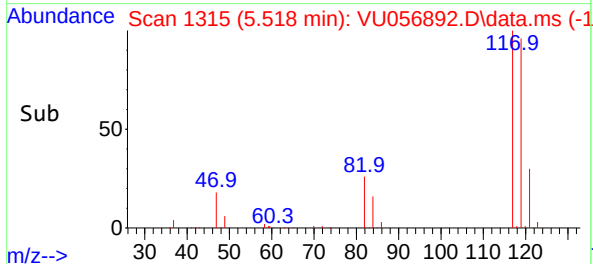
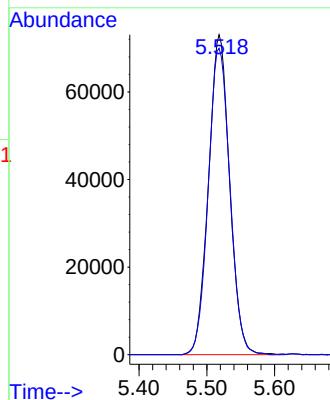
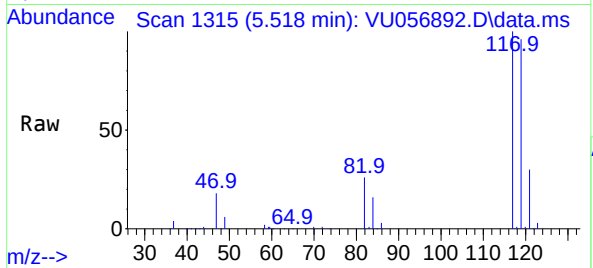




#31
Carbon tetrachloride
Concen: 5.290 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

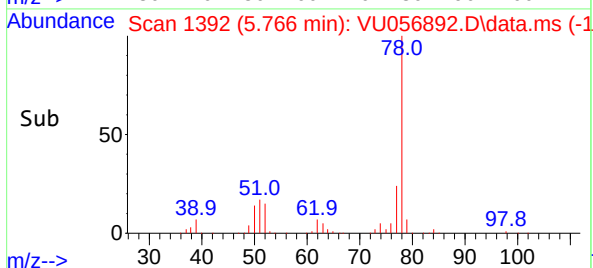
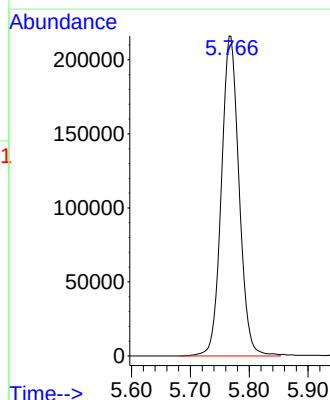
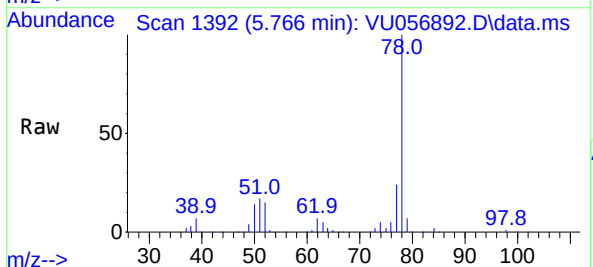
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

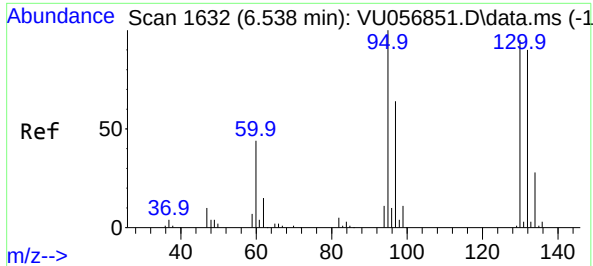
Tgt Ion:117 Resp: 158357
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.4



#33
Benzene
Concen: 5.390 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 78 Resp: 451381





#34

Trichloroethene

Concen: 5.134 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056892.D

Acq: 15 Dec 2023 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005085

Tgt Ion: 95 Resp: 117924

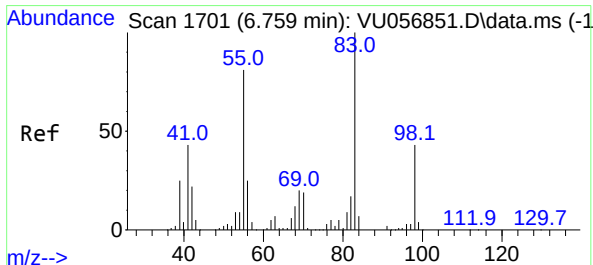
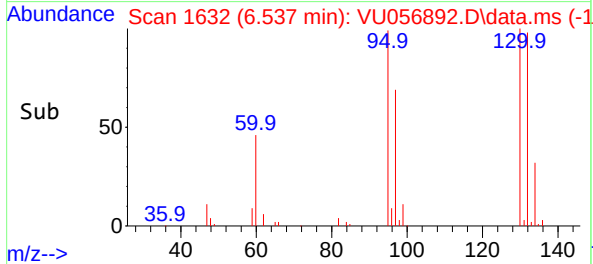
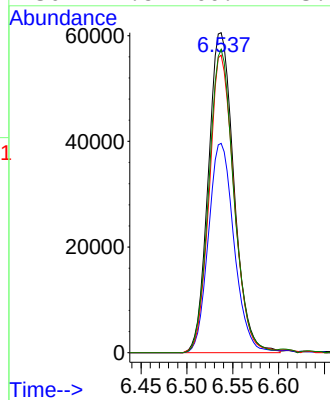
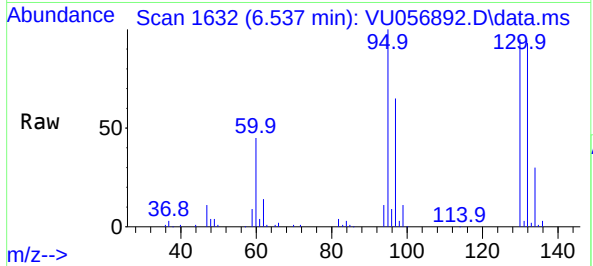
Ion Ratio Lower Upper

95 100

97 65.4 46.1 85.5

132 93.0 63.6 118.0

130 94.8 66.4 123.4



#35

Methylcyclohexane

Concen: 5.024 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU056892.D

Acq: 15 Dec 2023 20:26

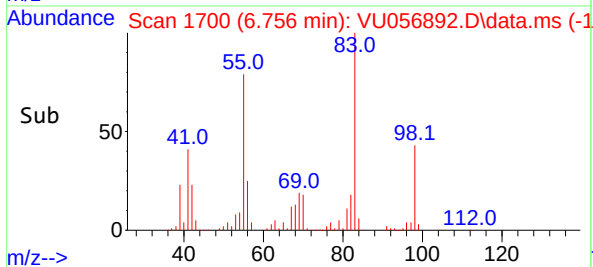
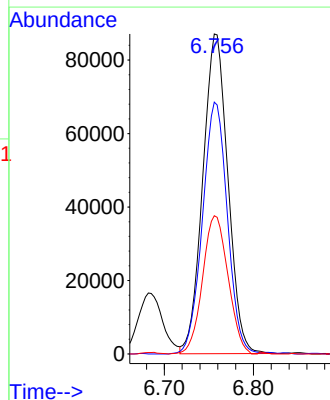
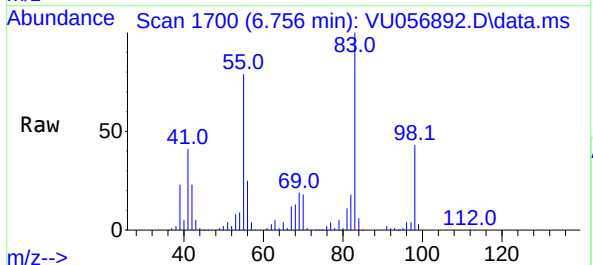
Tgt Ion: 83 Resp: 170310

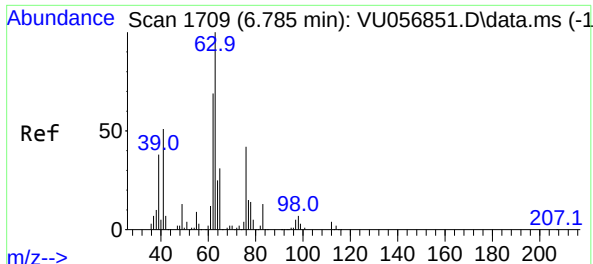
Ion Ratio Lower Upper

83 100

55 78.1 64.6 97.0

98 43.9 36.1 54.1

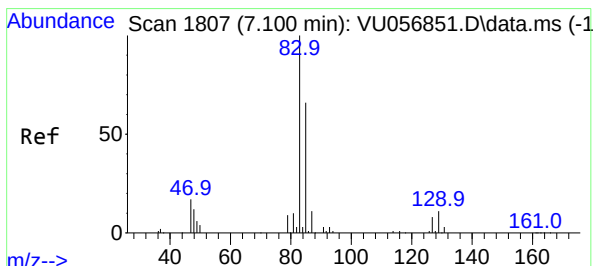
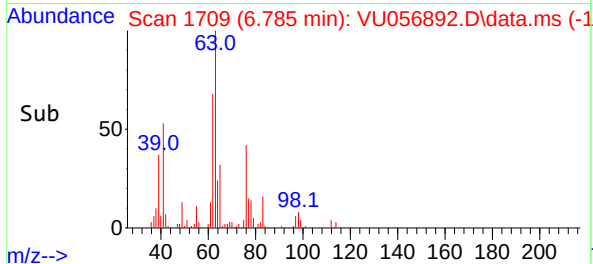
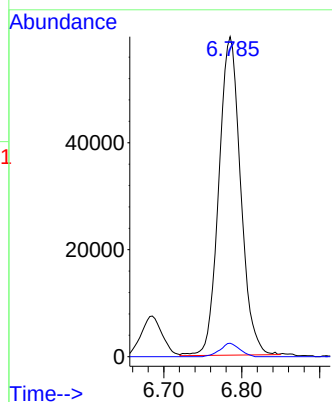
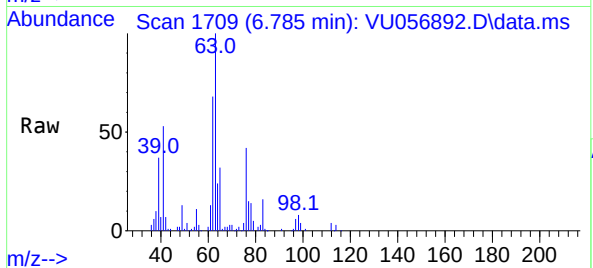




#37
1,2-Dichloropropane
Concen: 5.393 ug/L
RT: 6.785 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

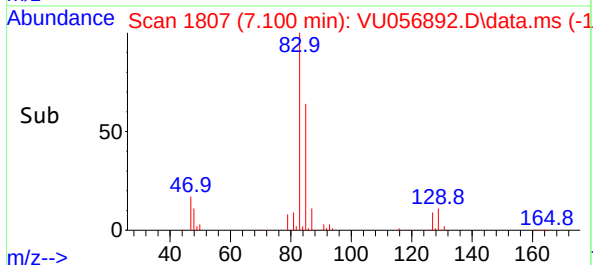
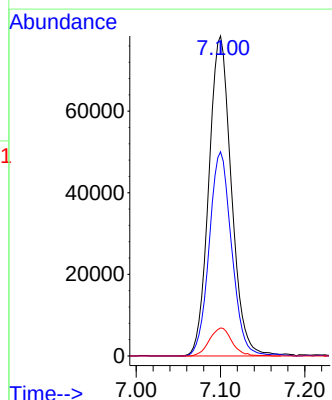
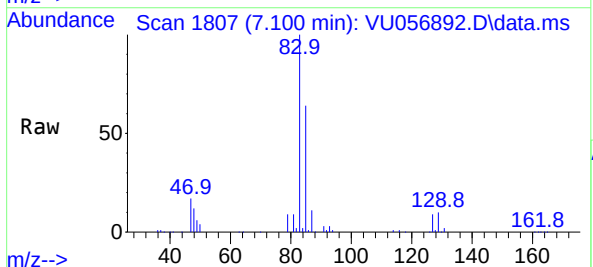
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

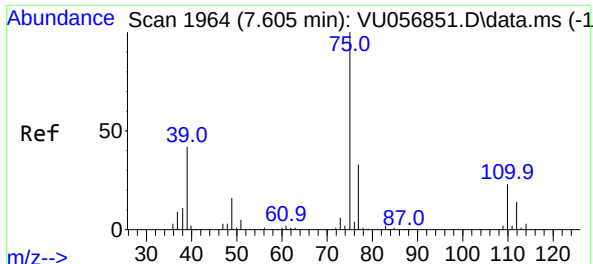
Tgt Ion: 63 Resp: 115533
Ion Ratio Lower Upper
63 100
112 3.8 3.3 4.9



#38
Bromodichloromethane
Concen: 5.342 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 83 Resp: 145937
Ion Ratio Lower Upper
83 100
85 63.8 45.0 83.6
127 8.7 7.0 10.4

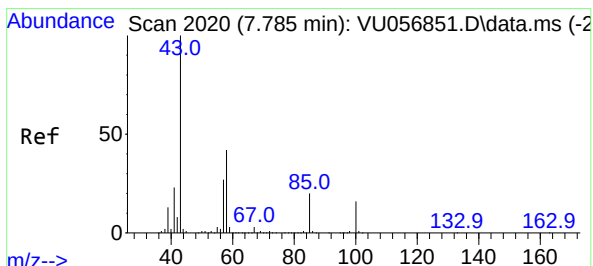
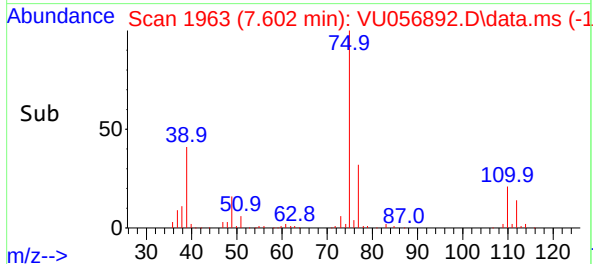
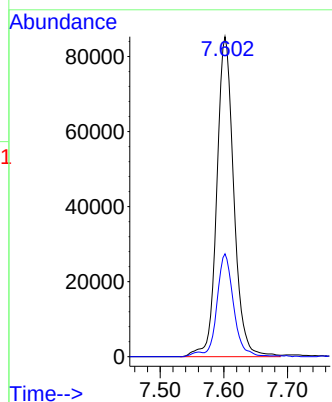
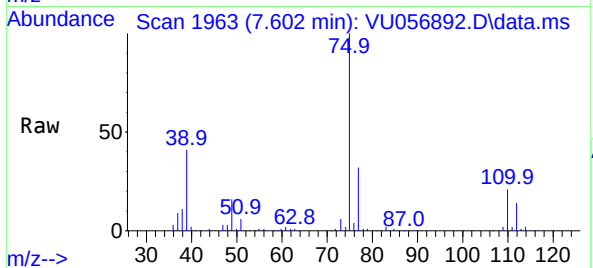




#39
cis-1,3-Dichloropropene
Concen: 5.071 ug/L
RT: 7.602 min Scan# 1964
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

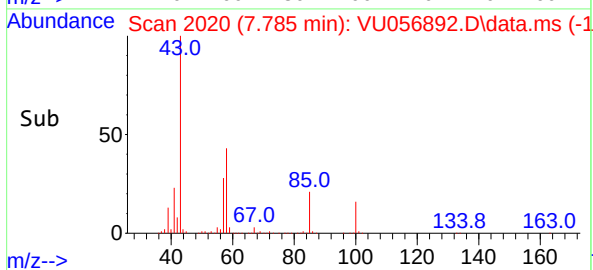
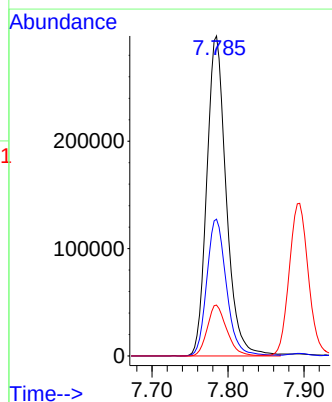
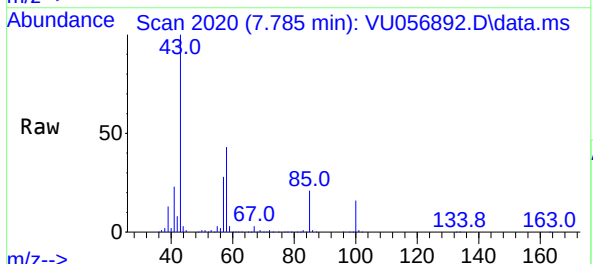
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

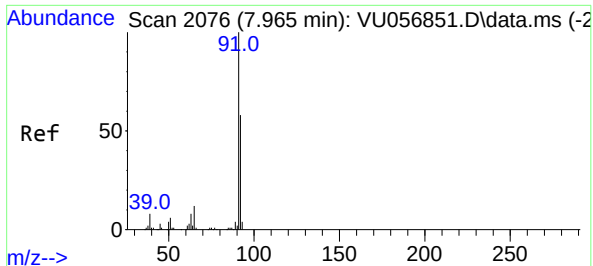
Tgt Ion: 75 Resp: 158305
Ion Ratio Lower Upper
75 100
77 32.2 22.3 41.5



#40
4-Methyl-2-pentanone
Concen: 52.107 ug/L
RT: 7.785 min Scan# 2020
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 43 Resp: 530011
Ion Ratio Lower Upper
43 100
58 43.3 33.7 50.5
100 16.0 13.0 19.4





#42

Toluene

Concen: 5.450 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056892.D

Acq: 15 Dec 2023 20:26

Instrument :

MSVOA_U

ClientSampleId :

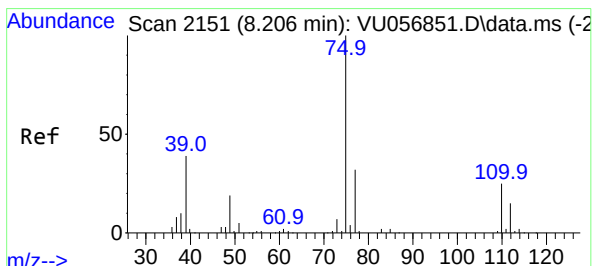
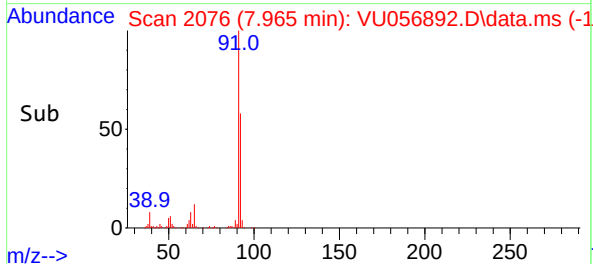
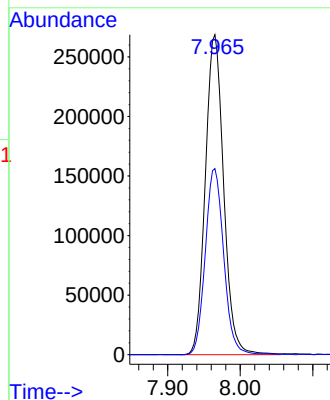
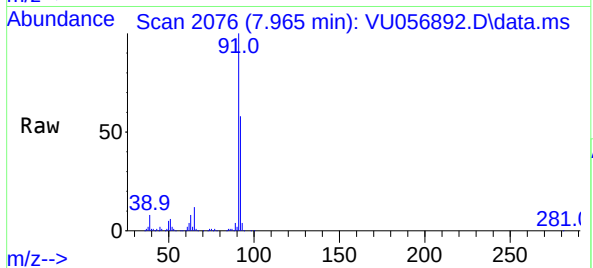
VSTD005085

Tgt Ion: 91 Resp: 472238

Ion Ratio Lower Upper

91 100

92 58.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.082 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056892.D

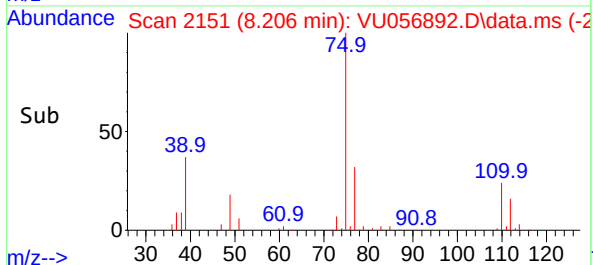
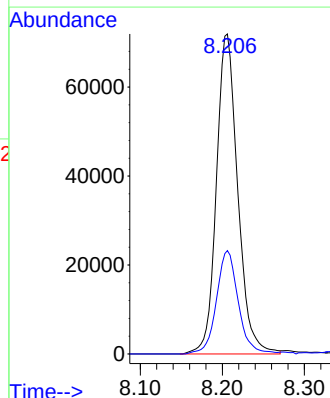
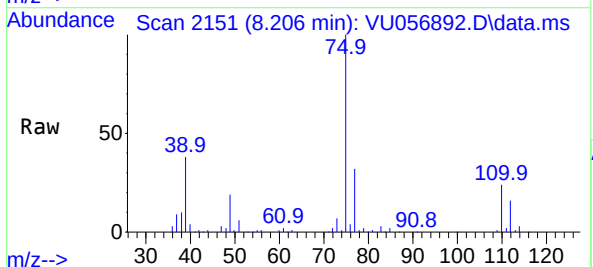
Acq: 15 Dec 2023 20:26

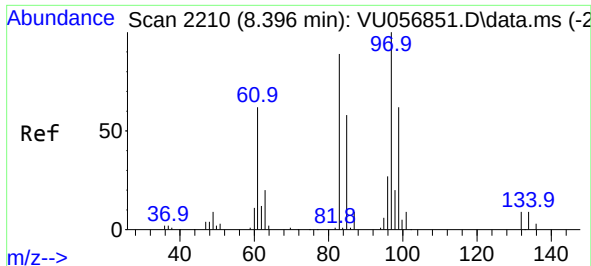
Tgt Ion: 75 Resp: 130050

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.4



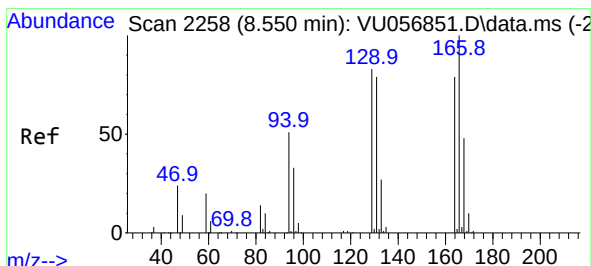
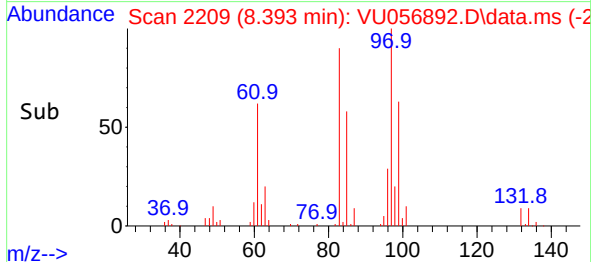
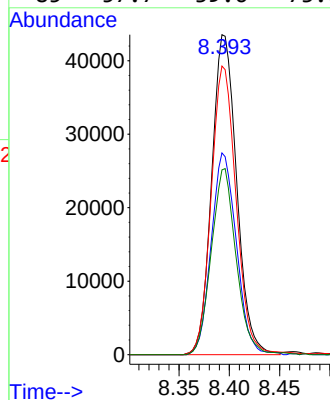
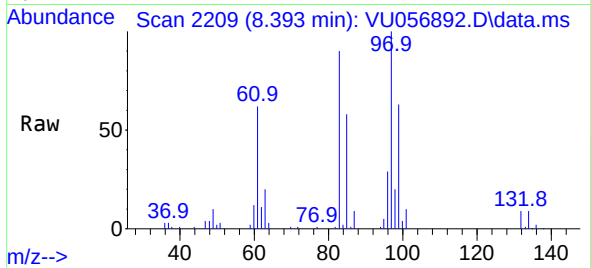


#45
1,1,2-Trichloroethane
Concen: 5.196 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

Tgt Ion: 97 Resp: 75242

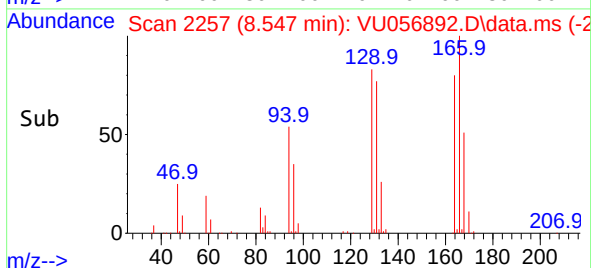
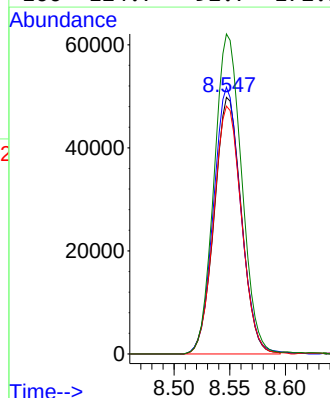
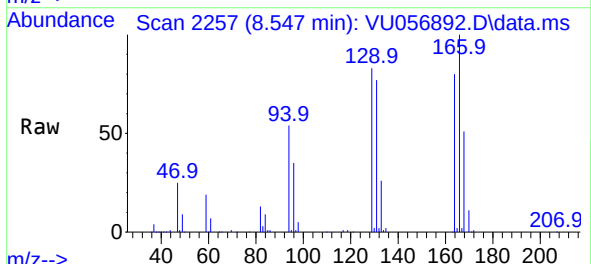
Ion	Ratio	Lower	Upper
97	100		
99	63.1	41.9	77.9
83	90.2	59.1	109.7
85	57.7	39.6	73.6

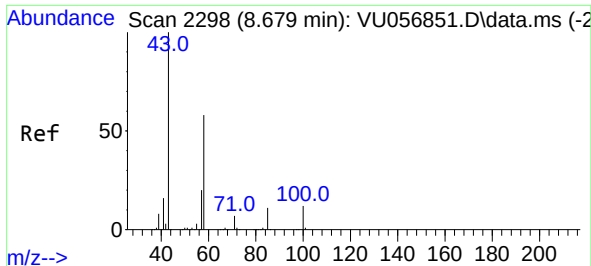


#47
Tetrachloroethene
Concen: 5.250 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 164 Resp: 84402

Ion	Ratio	Lower	Upper
164	100		
129	103.9	73.4	136.4
131	96.6	71.5	132.9
166	124.7	92.7	172.1

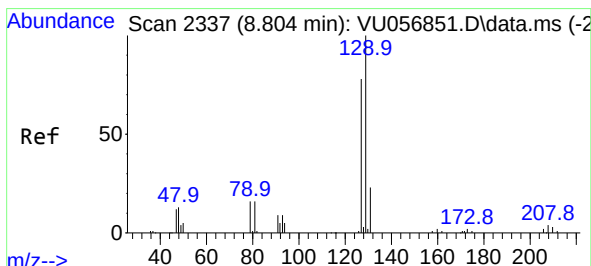
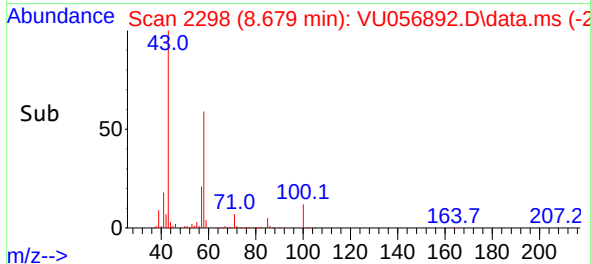
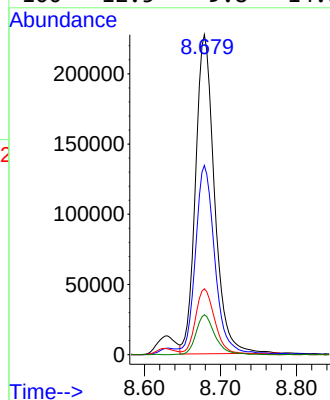
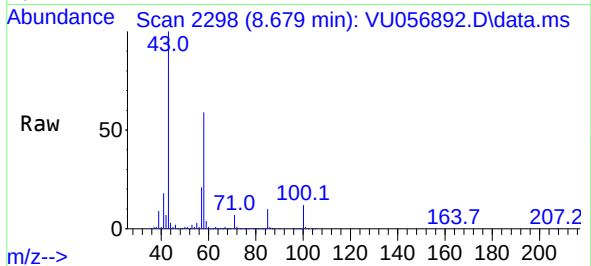




#48
2-Hexanone
Concen: 54.480 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

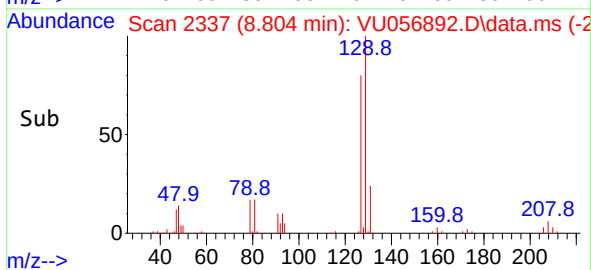
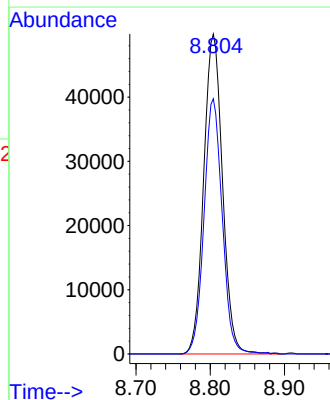
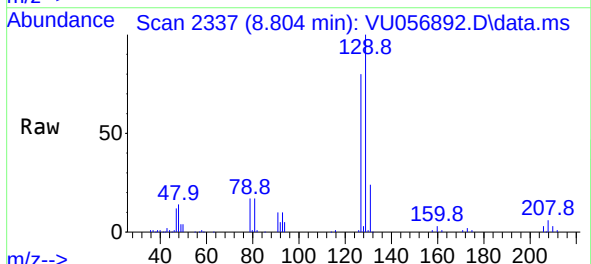
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

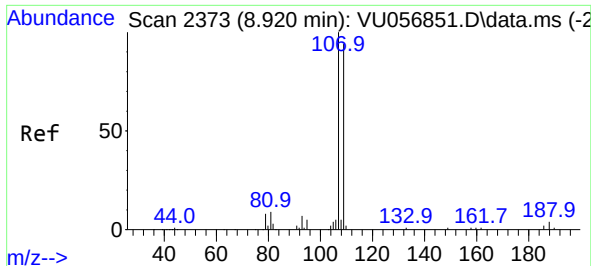
Tgt Ion: 43 Resp: 394679
Ion Ratio Lower Upper
43 100
58 59.9 47.5 71.3
57 21.5 17.0 25.4
100 12.5 9.8 14.8



#49
Dibromochloromethane
Concen: 5.257 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 129 Resp: 87507
Ion Ratio Lower Upper
129 100
127 79.8 53.9 100.1

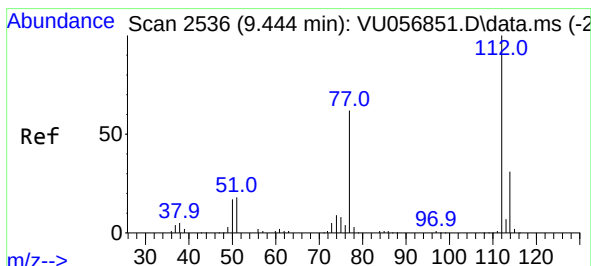
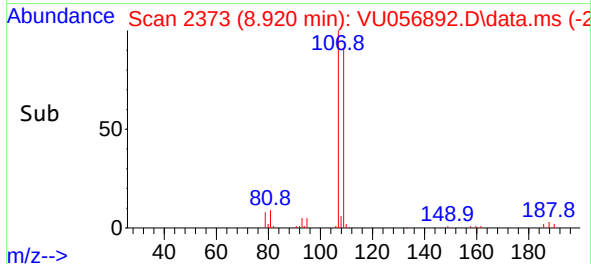
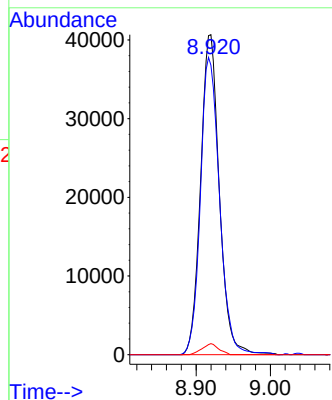
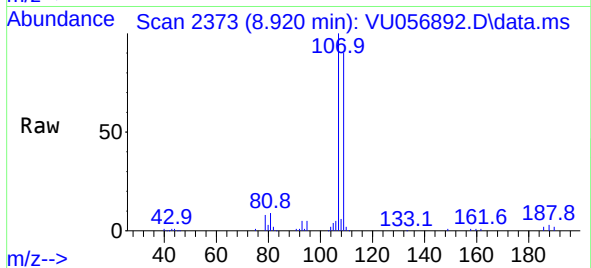




#50
1,2-Dibromoethane
Concen: 5.299 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

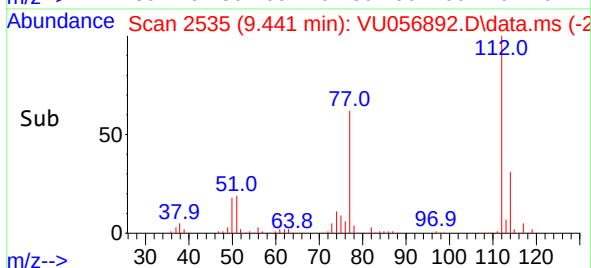
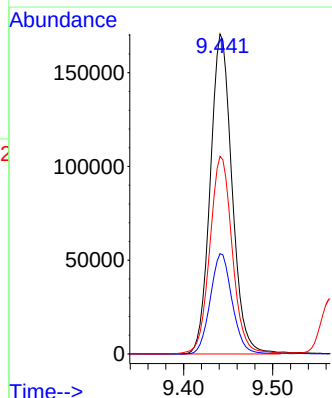
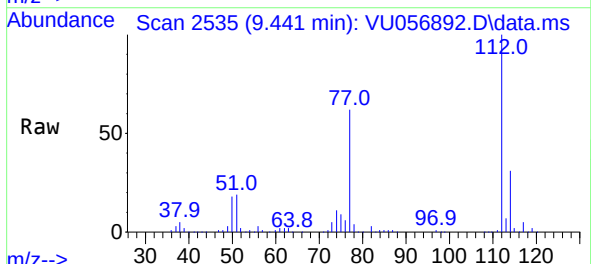
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

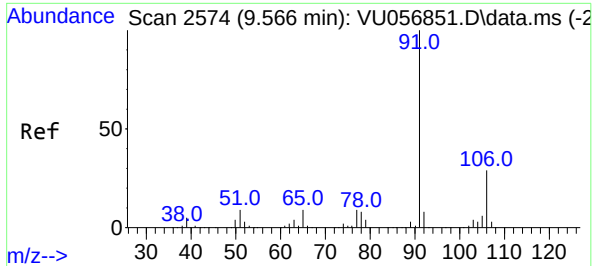
Tgt Ion:107 Resp: 71223
Ion Ratio Lower Upper
107 100
109 90.5 66.5 123.5
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 5.244 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion:112 Resp: 289602
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 61.7 51.6 77.4

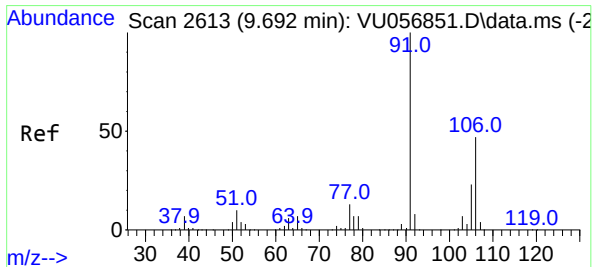
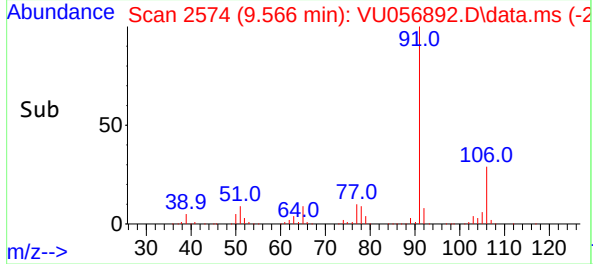
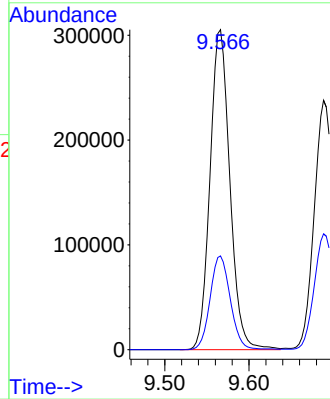
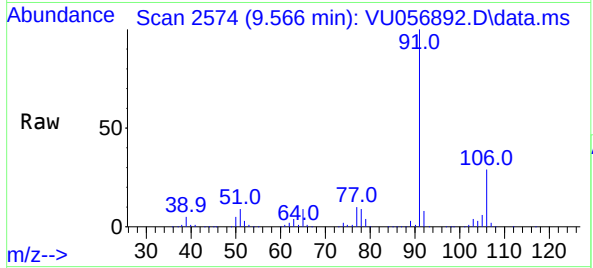




#52
Ethylbenzene
Concen: 5.233 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

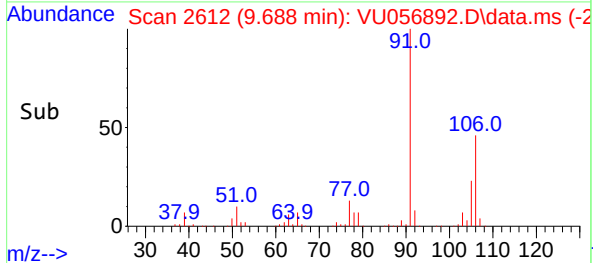
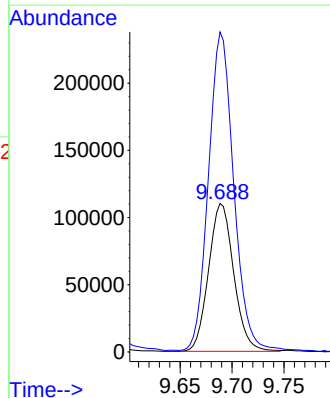
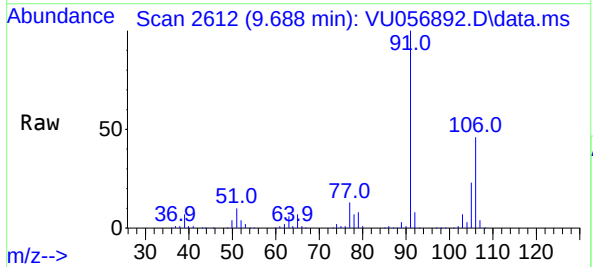
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

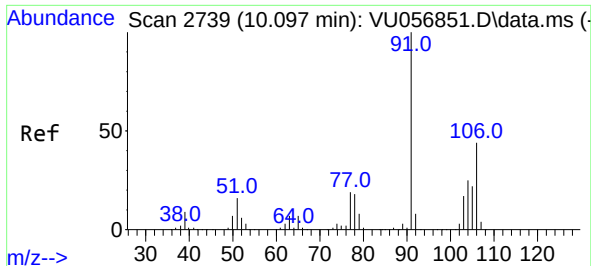
Tgt Ion: 91 Resp: 500184
Ion Ratio Lower Upper
91 100
106 29.3 20.6 38.4



#53
m,p-Xylene
Concen: 5.203 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 106 Resp: 185288
Ion Ratio Lower Upper
106 100
91 215.4 154.0 286.0

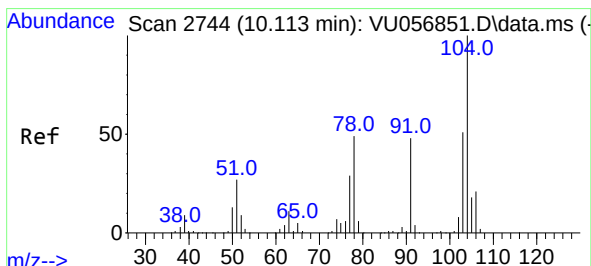
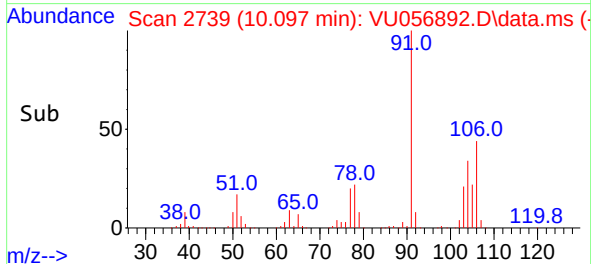
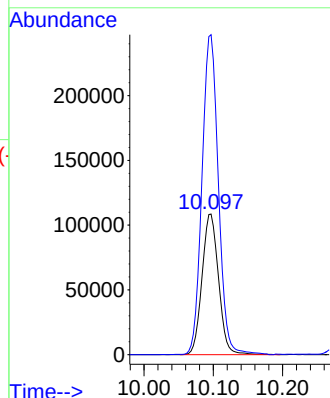
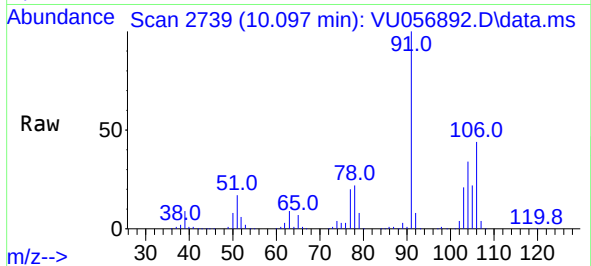




#54
o-Xylene
Concen: 5.285 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

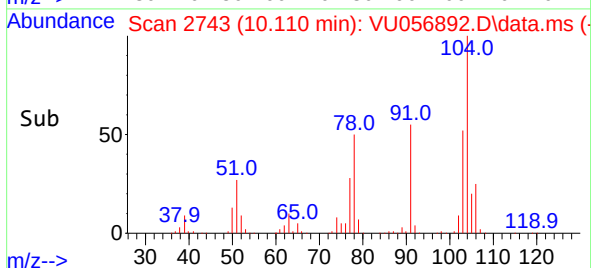
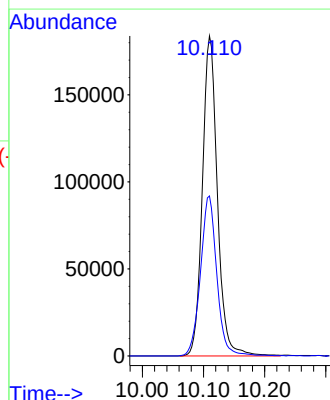
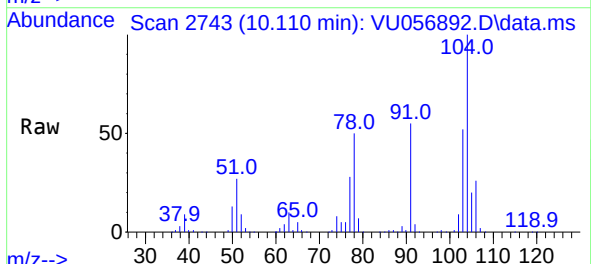
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

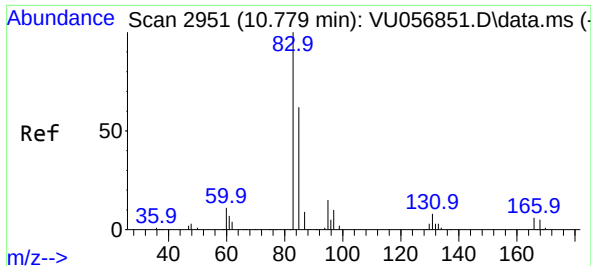
Tgt Ion:106 Resp: 179289
Ion Ratio Lower Upper
106 100
91 227.5 160.2 297.6



#55
Styrene
Concen: 5.627 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion:104 Resp: 313446
Ion Ratio Lower Upper
104 100
78 50.0 35.6 66.2

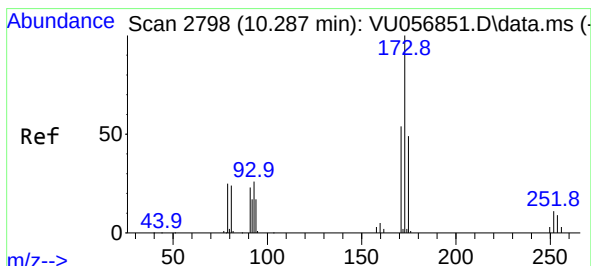
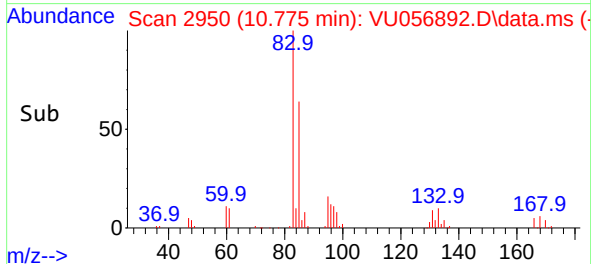
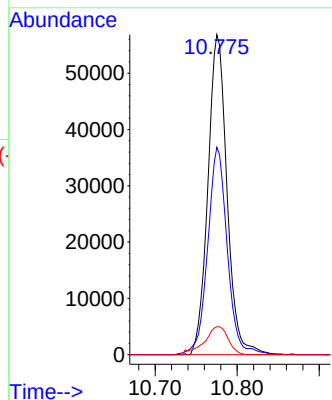
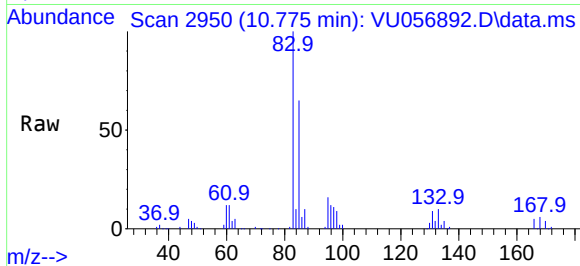




#57
1,1,2,2-Tetrachloroethane
Concen: 5.255 ug/L
RT: 10.775 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

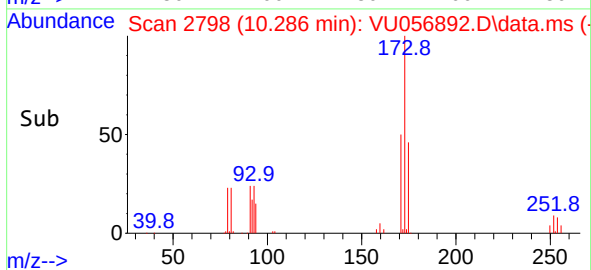
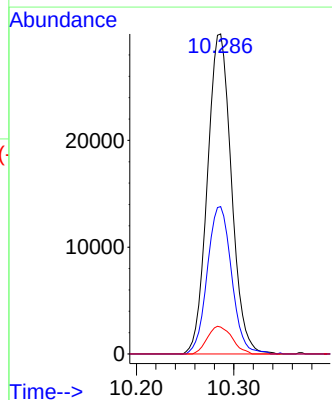
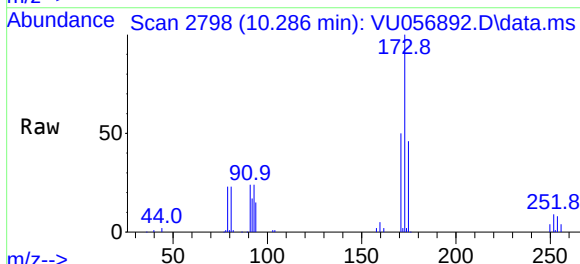
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

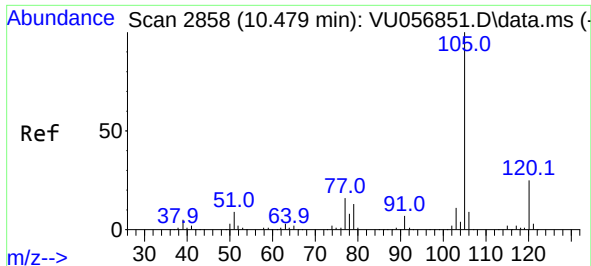
Tgt Ion: 83 Resp: 91945
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4
131 8.7 6.6 9.8



#59
Bromoform
Concen: 5.307 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 173 Resp: 51231
Ion Ratio Lower Upper
173 100
175 46.6 38.2 57.2
254 8.9 7.0 10.4

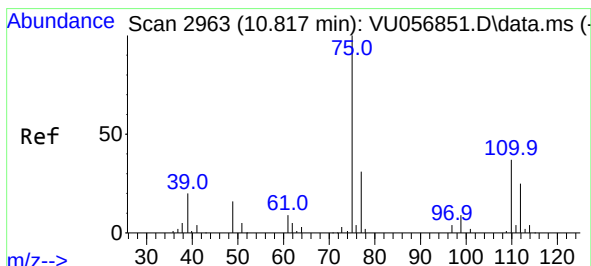
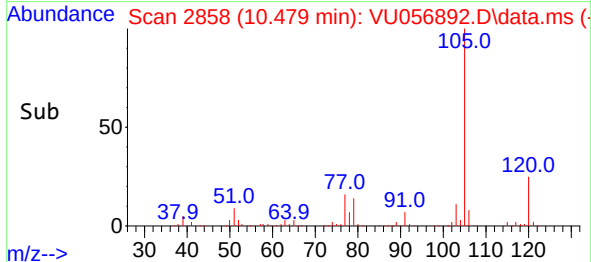
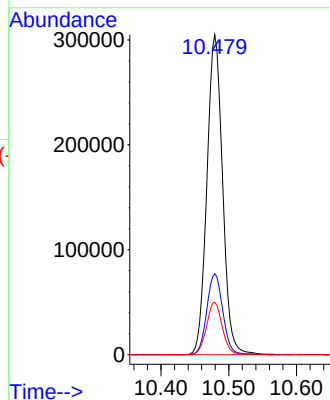
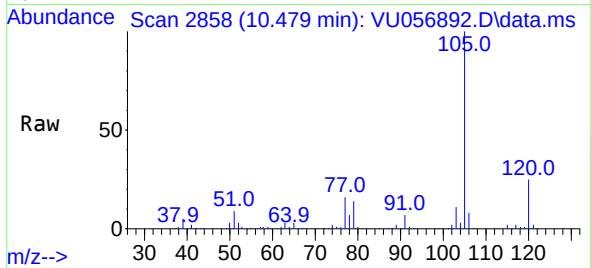




#60
Isopropylbenzene
Concen: 5.245 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

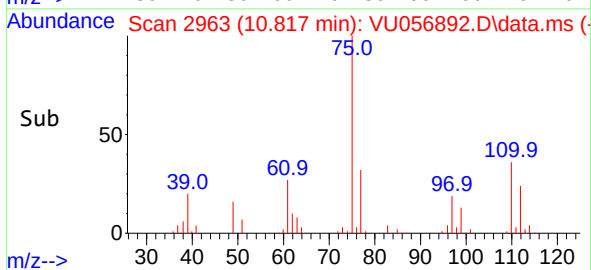
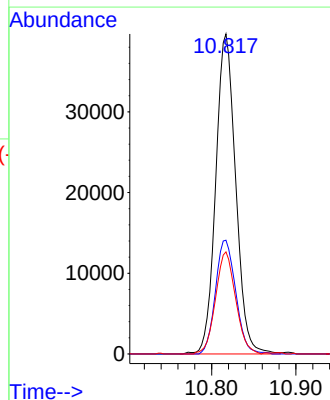
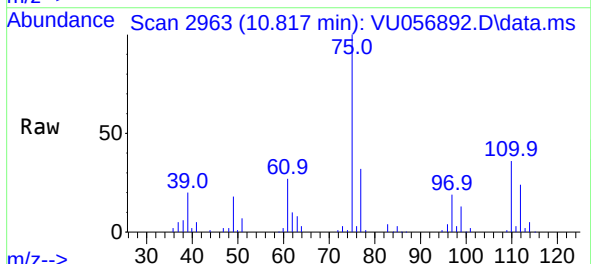
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

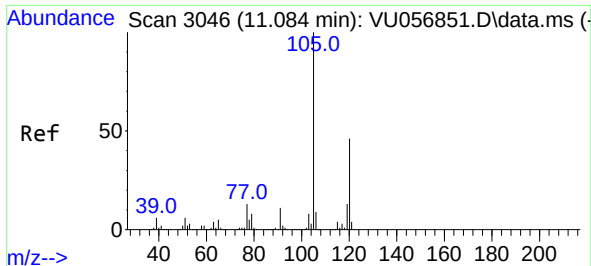
Tgt Ion:105 Resp: 489906
Ion Ratio Lower Upper
105 100
120 25.9 20.1 30.1
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.133 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion: 75 Resp: 65163
Ion Ratio Lower Upper
75 100
110 36.0 28.4 42.6
77 32.2 26.3 39.5

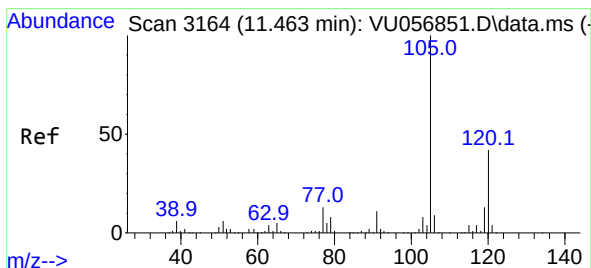
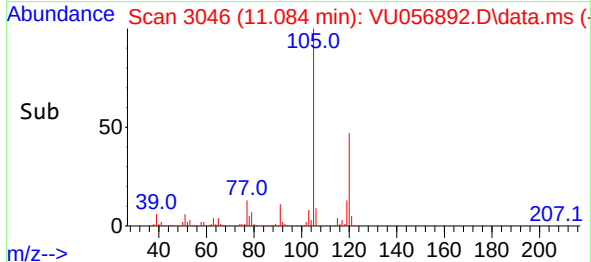
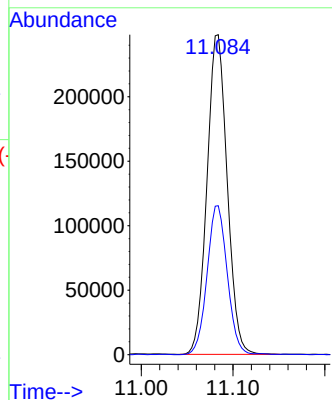
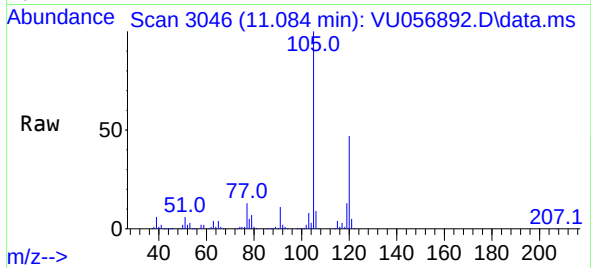




#62
1,3,5-Trimethylbenzene
Concen: 4.976 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

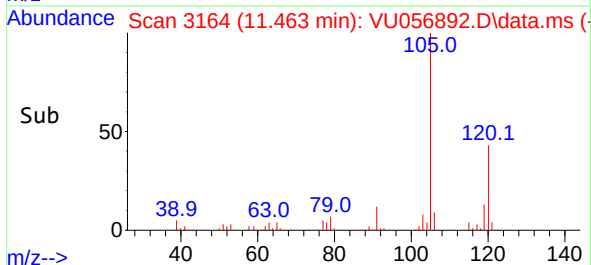
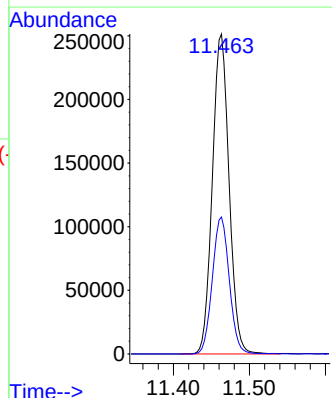
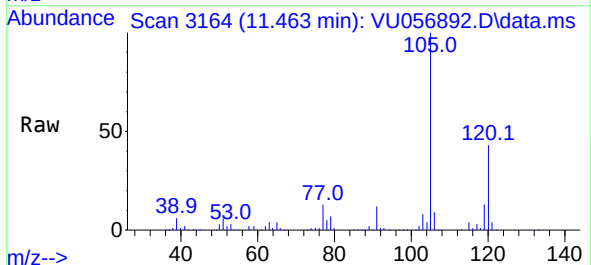
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

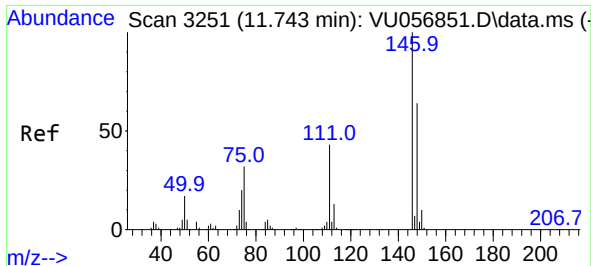
Tgt Ion:105 Resp: 379886
Ion Ratio Lower Upper
105 100
120 46.7 36.8 55.2



#63
1,2,4-Trimethylbenzene
Concen: 5.051 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion:105 Resp: 382994
Ion Ratio Lower Upper
105 100
120 43.4 34.2 51.4

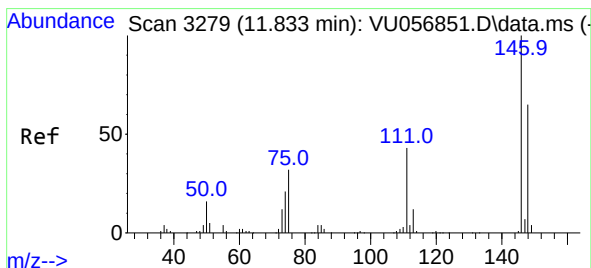
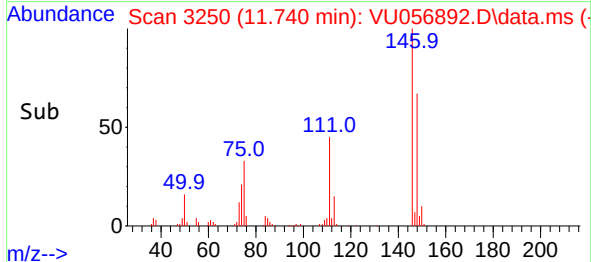
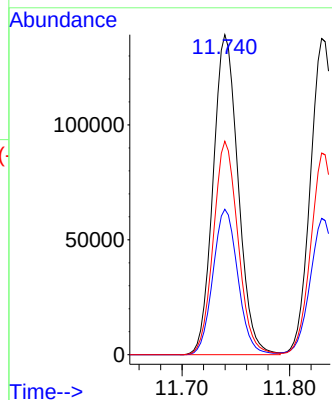
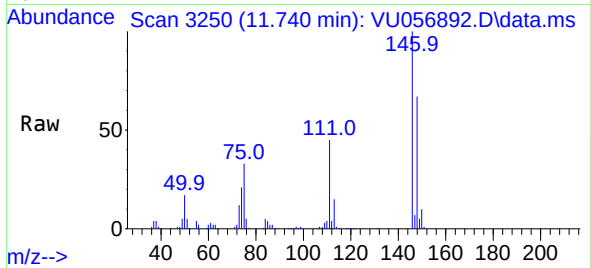




#64
1,3-Dichlorobenzene
Concen: 5.096 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

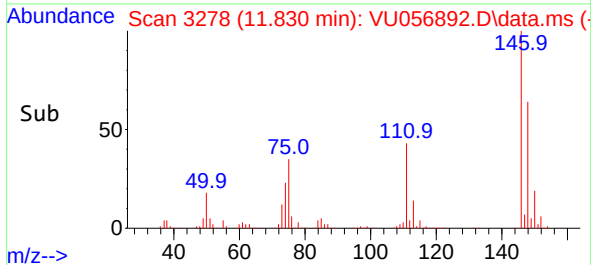
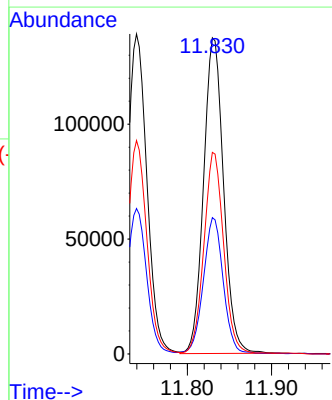
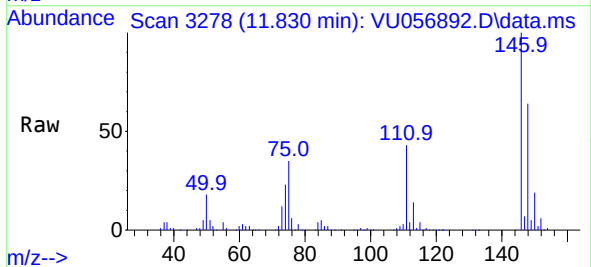
Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

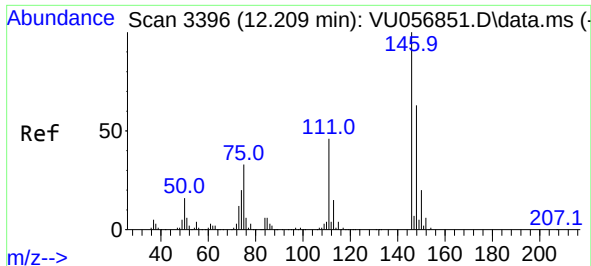
Tgt Ion:146 Resp: 225145
Ion Ratio Lower Upper
146 100
111 45.4 31.7 58.9
148 66.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 5.222 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion:146 Resp: 227208
Ion Ratio Lower Upper
146 100
111 43.1 31.2 58.0
148 63.8 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 5.273 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056892.D

Acq: 15 Dec 2023 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD005085

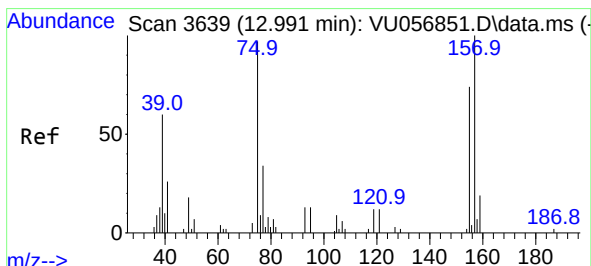
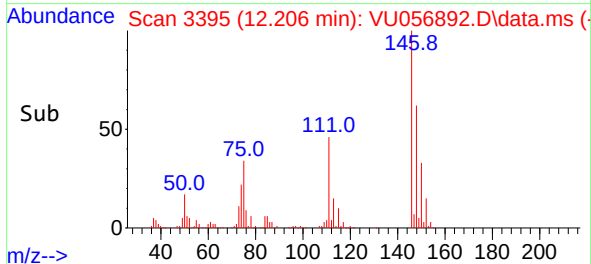
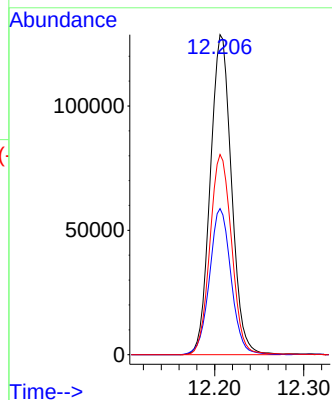
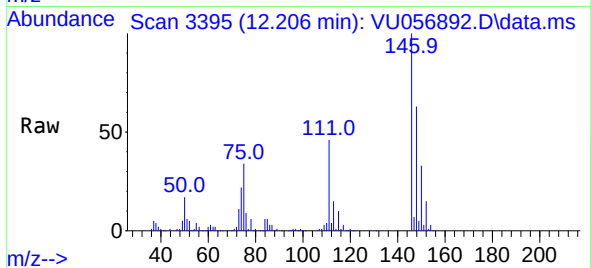
Tgt Ion:146 Resp: 212248

Ion Ratio Lower Upper

146 100

111 45.7 36.9 55.3

148 62.6 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.112 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU056892.D

Acq: 15 Dec 2023 20:26

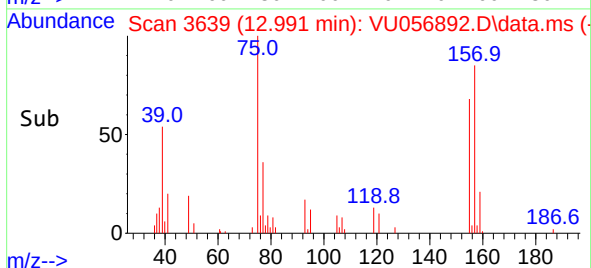
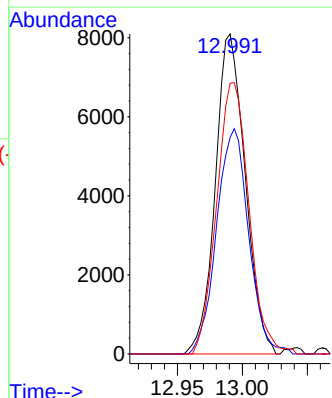
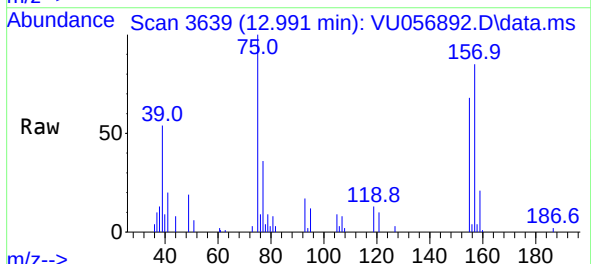
Tgt Ion: 75 Resp: 12956

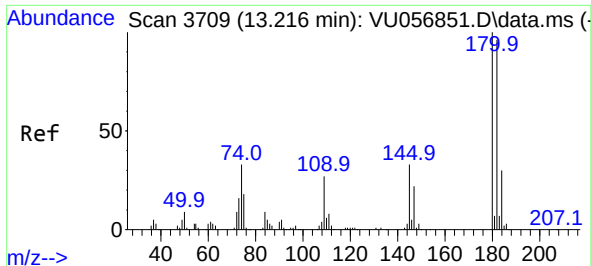
Ion Ratio Lower Upper

75 100

155 67.7 55.4 83.2

157 84.6 77.3 115.9



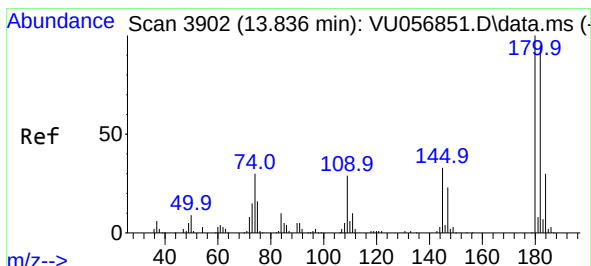
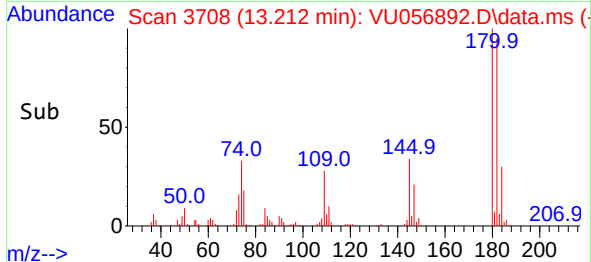
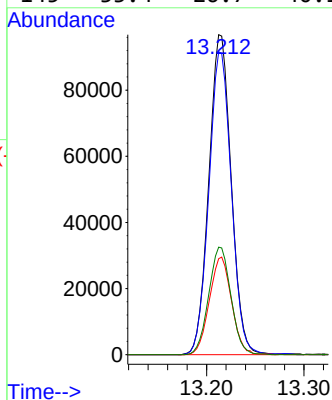
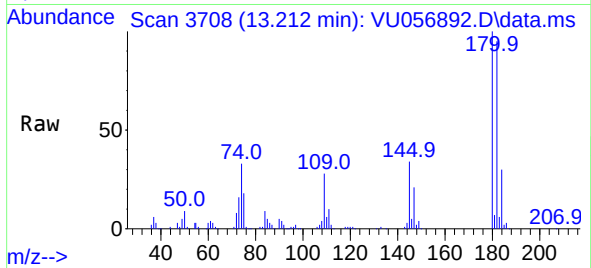


#69
 1,3,5-Trichlorobenzene
 Concen: 4.619 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU056892.D
 Acq: 15 Dec 2023 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005085

Tgt Ion:180 Resp: 154192

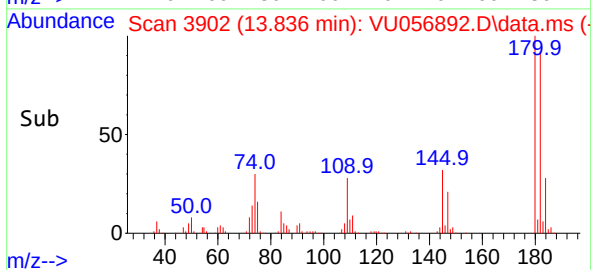
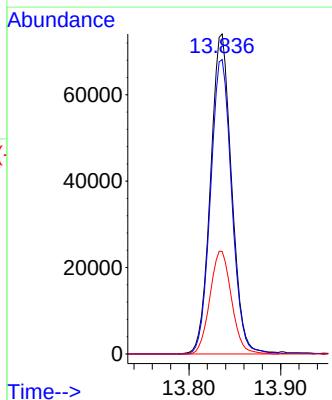
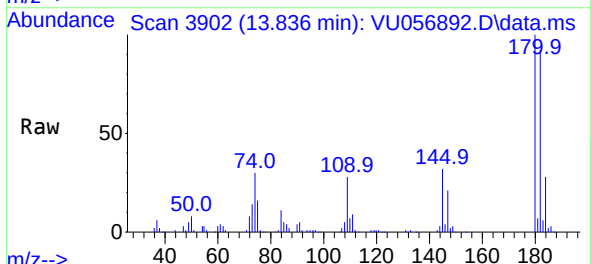
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
184	30.4	24.6	37.0
145	33.4	26.7	40.1

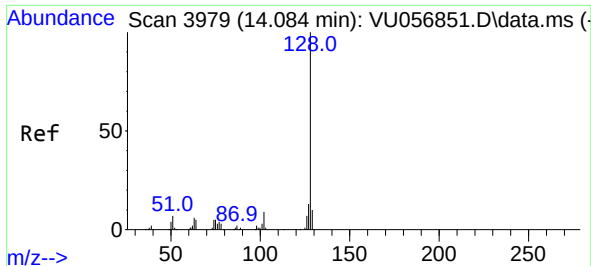


#70
 1,2,4-trichlorobenzene
 Concen: 4.484 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056892.D
 Acq: 15 Dec 2023 20:26

Tgt Ion:180 Resp: 118547

Ion	Ratio	Lower	Upper
180	100		
182	92.2	74.3	111.5
145	32.8	26.7	40.1

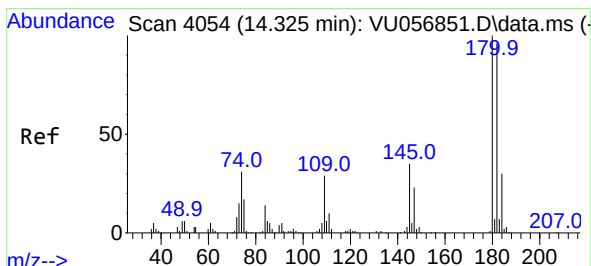
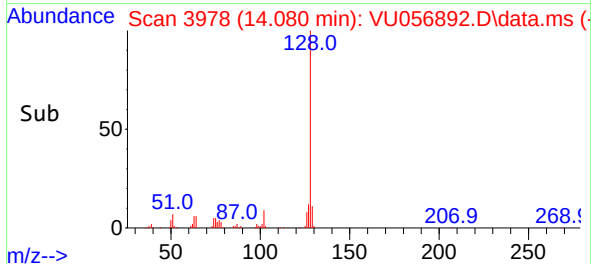
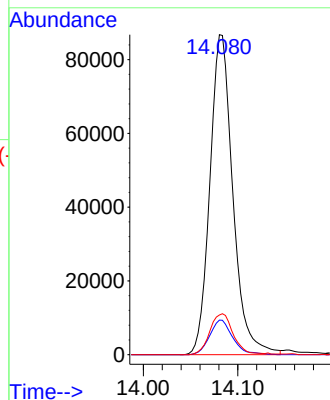
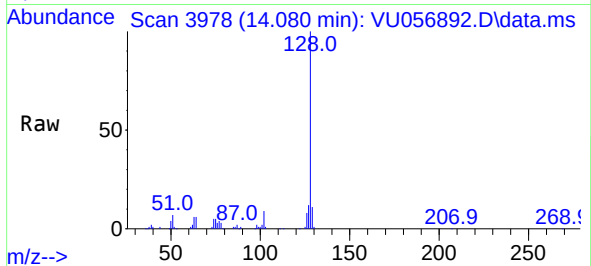




#71
Naphthalene
Concen: 3.787 ug/L
RT: 14.080 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD005085

Tgt Ion:	128	Resp:	146527
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.2	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 4.329 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU056892.D
Acq: 15 Dec 2023 20:26

Tgt Ion:	180	Resp:	97172
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.0	112.6
145	35.4	28.6	42.8

