

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071223\
 Data File : VW026604.D
 Acq On : 12 Jul 2023 12:07
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025557

Quant Time: Jul 13 04:41:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 13 04:40:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	673663	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	601645	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	295930	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	224146	19.725	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.920%
7) Chloroethane-d5	2.893	69	170411	21.372	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.480%
11) 1,1-Dichloroethene-d2	4.021	65	109155	20.455	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.800%
21) 2-Butanone-d5	7.069	46	146837	39.983	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.960%
24) Chloroform-d	7.648	84	455101	23.465	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.840%
26) 1,2-Dichloroethane-d4	8.301	65	243786	22.512	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.040%
32) Benzene-d6	8.270	84	933816	22.610	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.440%
36) 1,2-Dichloropropane-d6	9.270	67	287322	22.625	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.480%
41) Toluene-d8	10.319	98	799709	22.575	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.320%
43) trans-1,3-Dichloroprop...	10.575	79	112571	22.120	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.480%
47) 2-Hexanone-d5	10.922	63	104348	42.109	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.220%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	226602	21.071	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.280%
66) 1,2-Dichlorobenzene-d4	13.848	152	245795	22.622	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	128768	16.945	ug/L	# 89
3) Chloromethane	2.223	50	234164	21.567	ug/L	99
5) Vinyl chloride	2.375	62	238806	20.869	ug/L	100
6) Bromomethane	2.783	94	134261	22.071	ug/L	98
8) Chloroethane	2.930	64	141627	22.134	ug/L	97
9) Trichlorofluoromethane	3.265	101	169525	20.002	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	209549	22.278	ug/L	96
12) 1,1-Dichloroethene	4.039	96	199165	22.069	ug/L	97
13) Acetone	4.119	43	100285	37.963	ug/L	97
14) Carbon disulfide	4.387	76	688866	21.775	ug/L	99
15) Methyl Acetate	4.667	43	125562	19.784	ug/L	99
16) Methylene chloride	4.911	84	241662	20.306	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	219558	22.754	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	332829	22.039	ug/L	99
19) 1,1-Dichloroethane	6.210	63	447232	23.182	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	239839	24.003	ug/L	97
22) 2-Butanone	7.167	43	164907	40.993	ug/L	99
23) Bromochloromethane	7.514	128	99566	23.263	ug/L	98
25) Chloroform	7.673	83	421266	23.833	ug/L	96

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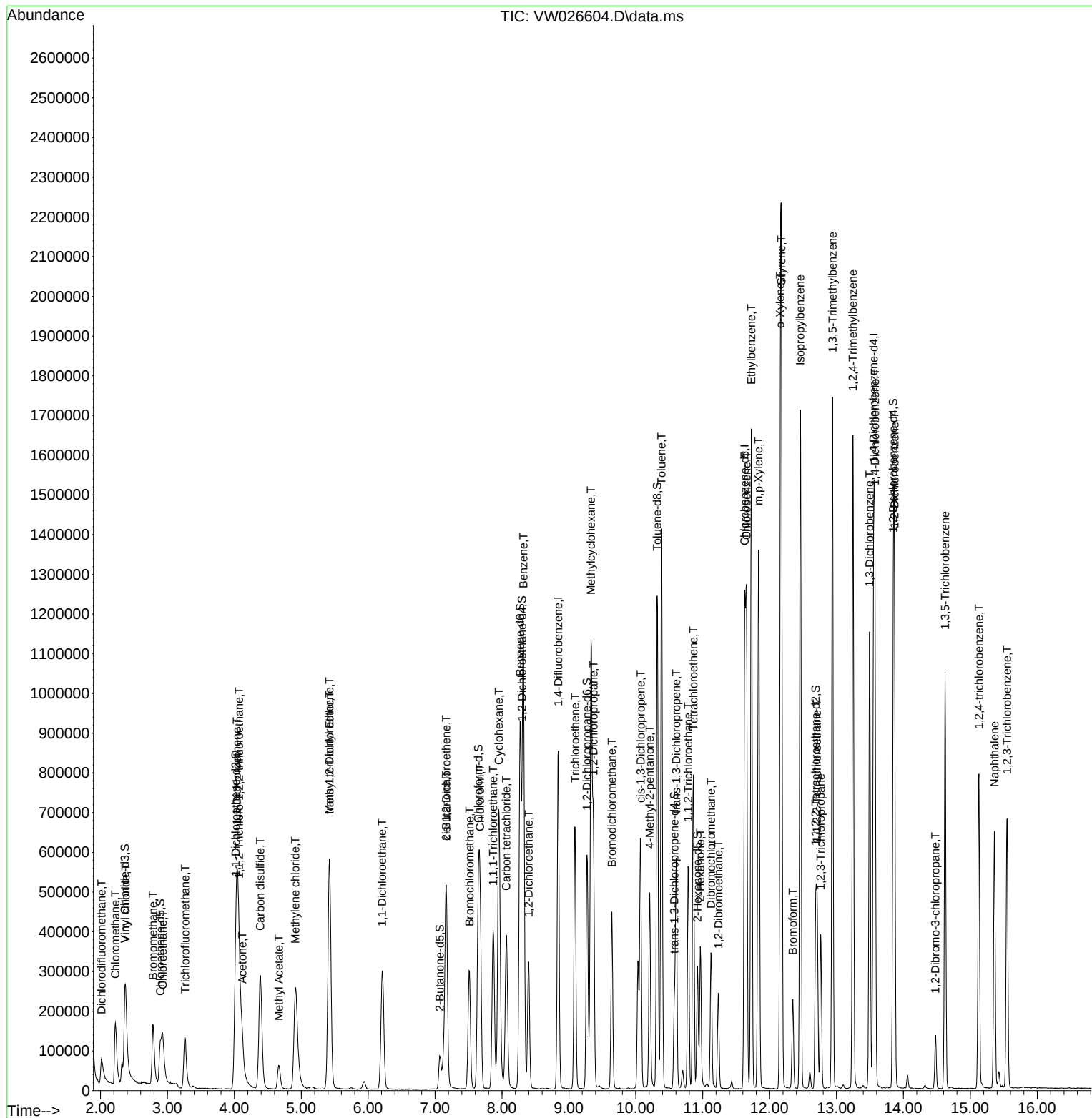
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	290535	23.349	ug/L	99
29) Cyclohexane	7.953	56	422244	22.541	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	328588	22.283	ug/L	98
31) Carbon tetrachloride	8.063	117	299906	22.405	ug/L	99
33) Benzene	8.319	78	955741	23.055	ug/L	100
34) Trichloroethene	9.093	95	240556	22.590	ug/L	98
35) Methylcyclohexane	9.331	83	436006	22.803	ug/L	99
37) 1,2-Dichloropropane	9.368	63	260056	23.622	ug/L	99
38) Bromodichloromethane	9.642	83	292216	23.363	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	375163	23.670	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	341268	41.071	ug/L	99
42) Toluene	10.386	91	996973	23.815	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	314206	23.506	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	171717	22.349	ug/L	98
46) Tetrachloroethene	10.861	164	174996	23.149	ug/L	90
48) 2-Hexanone	10.965	43	235011	40.527	ug/L	98
49) Dibromochloromethane	11.123	129	179567	23.602	ug/L	97
50) 1,2-Dibromoethane	11.233	107	162582	22.447	ug/L	100
51) Chlorobenzene	11.654	112	591111	23.029	ug/L	98
52) Ethylbenzene	11.727	91	1130882	24.264	ug/L	96
53) m,p-Xylene	11.837	106	409081	24.126	ug/L	96
54) o-Xylene	12.160	106	390147	24.514	ug/L	99
55) Styrene	12.178	104	677837	25.250	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	217795	21.599	ug/L	94
59) Bromoform	12.349	173	103221	22.054	ug/L	98
60) Isopropylbenzene	12.458	105	1086350	23.727	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	163142	20.411	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	868926	24.743	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	851397	24.453	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	438017	22.798	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	446480	23.302	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	378158	22.240	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.476	75	35698	18.764	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	288019	22.653	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	241125	23.110	ug/L	96
71) Naphthalene	15.360	128	508091	21.504	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	218080	22.202	ug/L	100

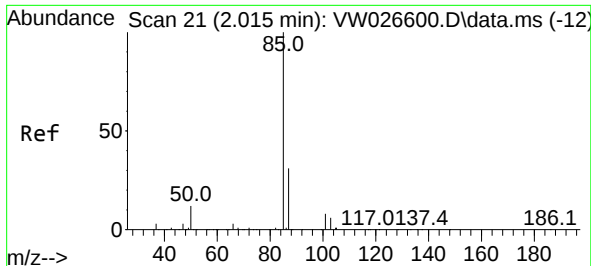
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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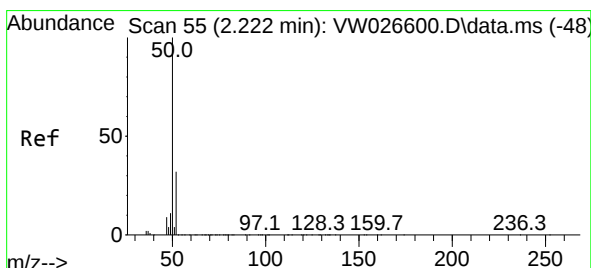
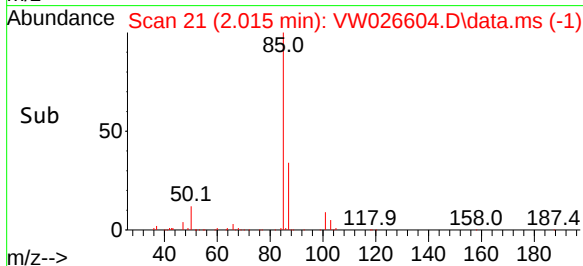
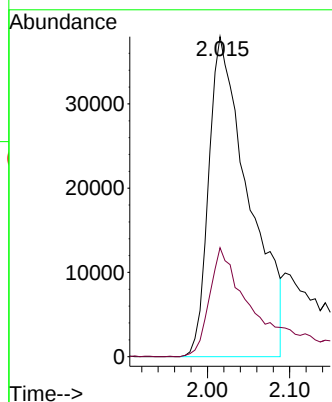
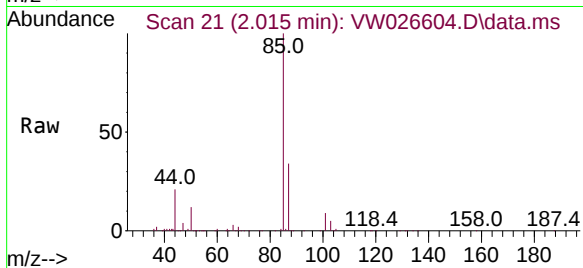




#2
Dichlorodifluoromethane
Concen: 16.945 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

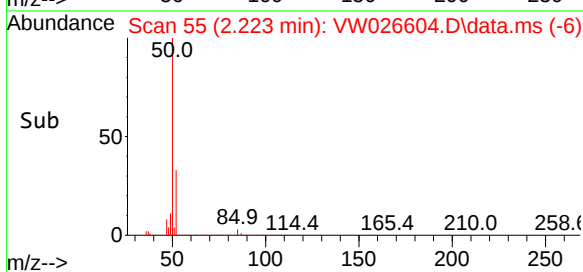
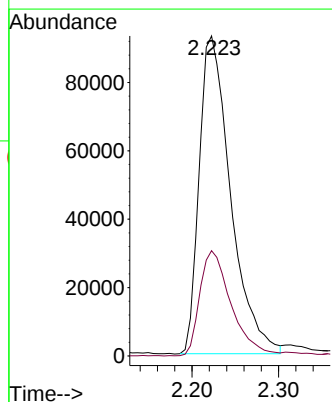
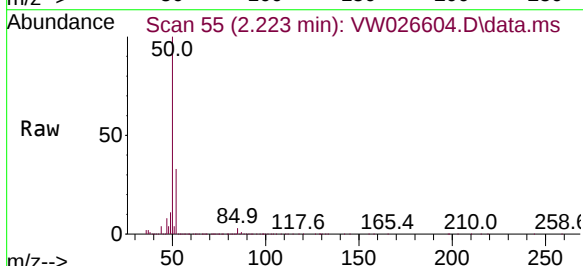
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

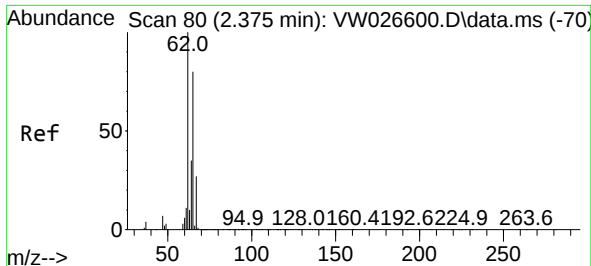
Tgt Ion: 85 Resp: 128768
Ion Ratio Lower Upper
85 100
87 32.5 21.4 32.0#



#3
Chloromethane
Concen: 21.567 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 50 Resp: 234164
Ion Ratio Lower Upper
50 100
52 32.9 22.5 41.7

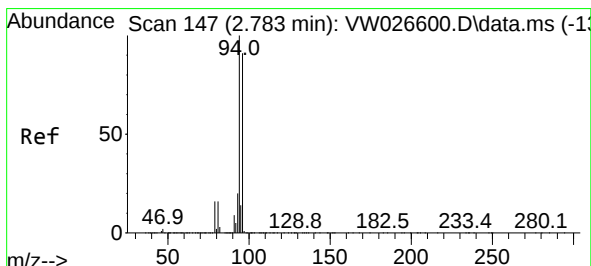
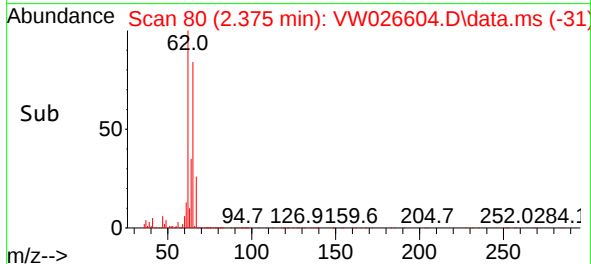
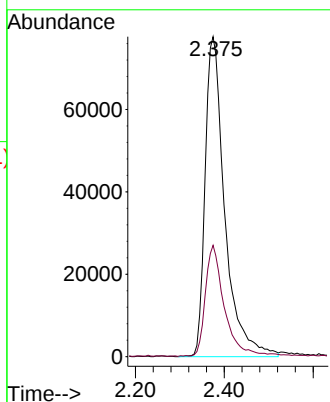
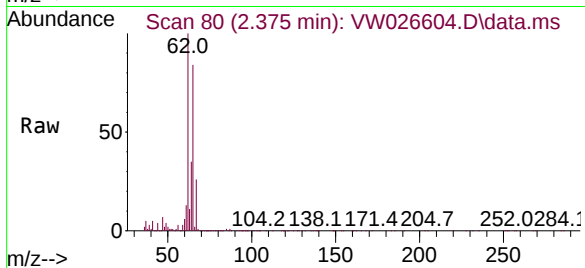




#5
 Vinyl chloride
 Concen: 20.869 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026604.D
 Acq: 12 Jul 2023 12:07

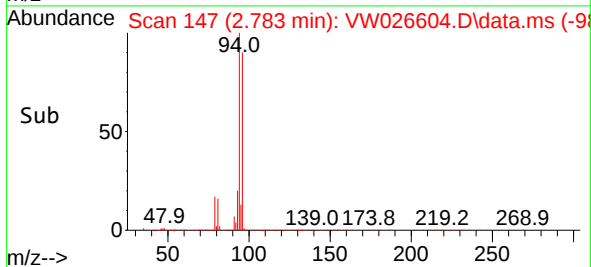
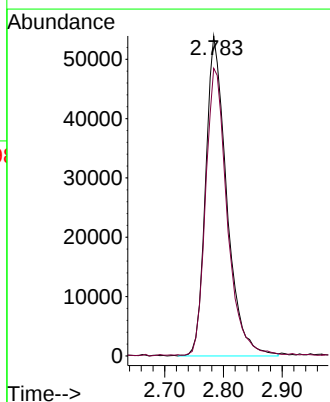
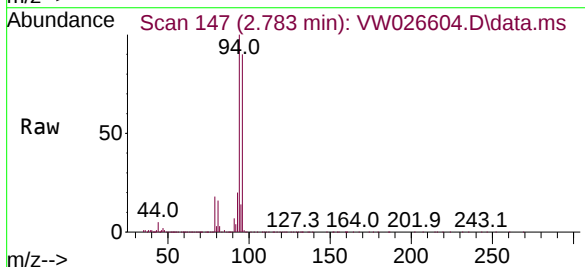
Instrument :
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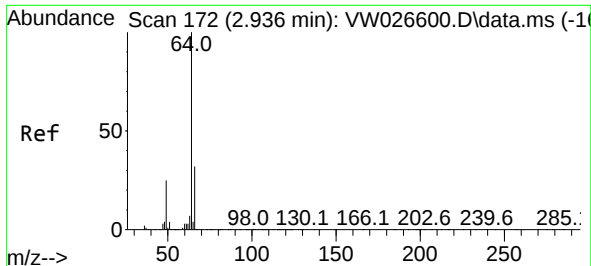
Tgt Ion: 62 Resp: 238806
 Ion Ratio Lower Upper
 62 100
 64 34.8 24.2 45.0



#6
 Bromomethane
 Concen: 22.071 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW026604.D
 Acq: 12 Jul 2023 12:07

Tgt Ion: 94 Resp: 134261
 Ion Ratio Lower Upper
 94 100
 96 89.9 64.5 119.9

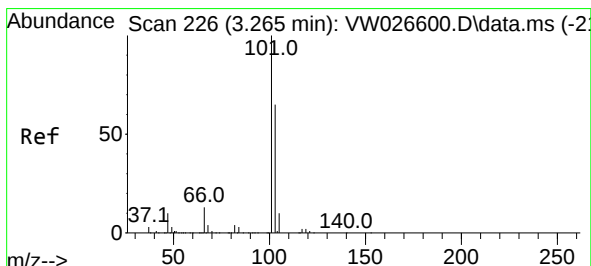
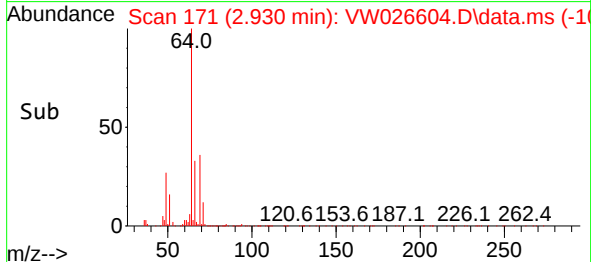
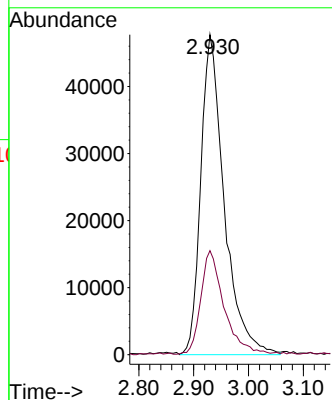
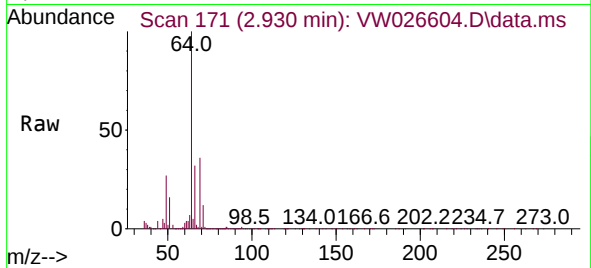




#8
Chloroethane
Concen: 22.134 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

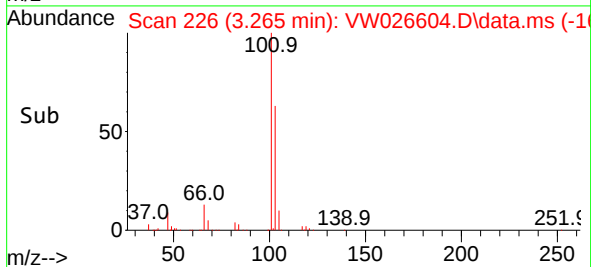
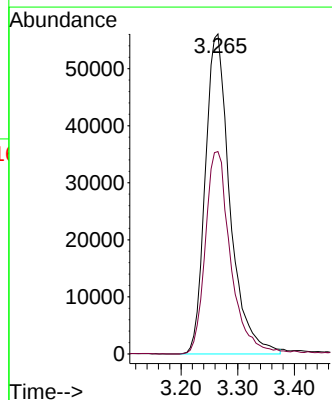
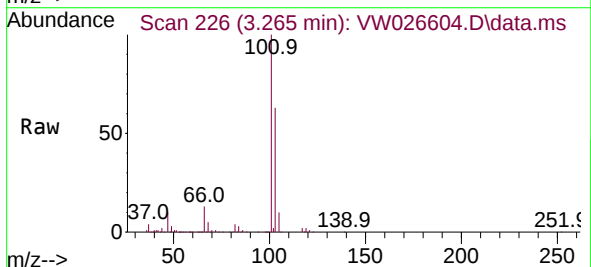
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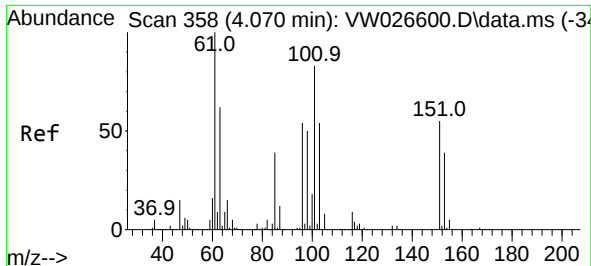
Tgt Ion: 64 Resp: 141627
Ion Ratio Lower Upper
64 100
66 32.5 21.7 40.3



#9
Trichlorofluoromethane
Concen: 20.002 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 101 Resp: 169525
Ion Ratio Lower Upper
101 100
103 64.8 50.3 75.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 22.278 ug/L

RT: 4.070 min Scan# 358

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

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VSTD025557

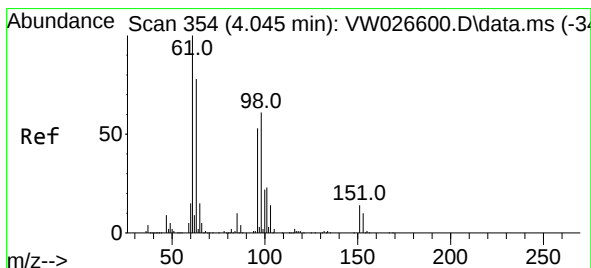
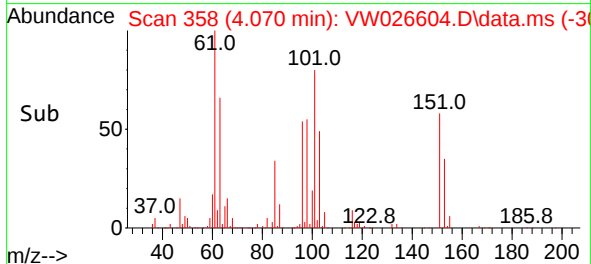
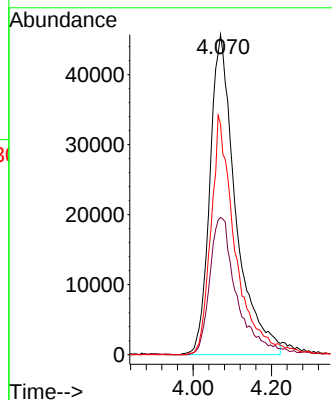
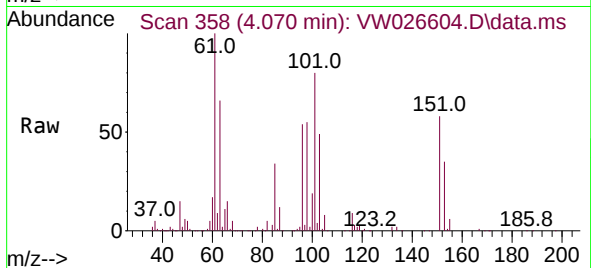
Tgt Ion:101 Resp: 209549

Ion Ratio Lower Upper

101 100

85 39.5 36.1 54.1

151 68.7 55.9 83.9



#12

1,1-Dichloroethene

Concen: 22.069 ug/L

RT: 4.039 min Scan# 353

Delta R.T. -0.006 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

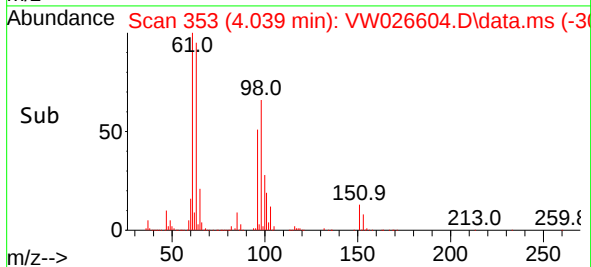
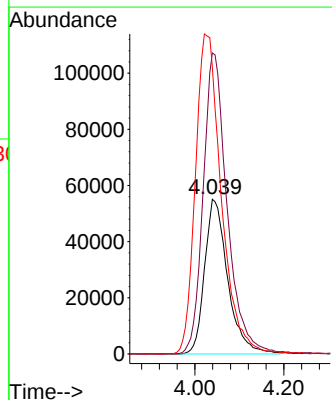
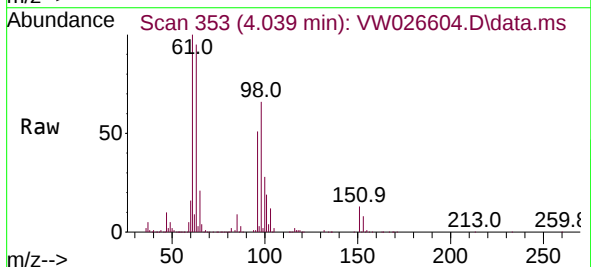
Tgt Ion: 96 Resp: 199165

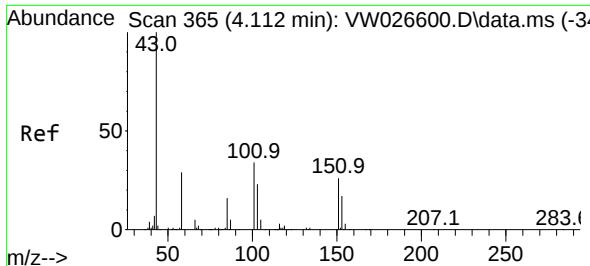
Ion Ratio Lower Upper

96 100

61 194.6 140.8 261.4

63 185.5 127.7 237.3

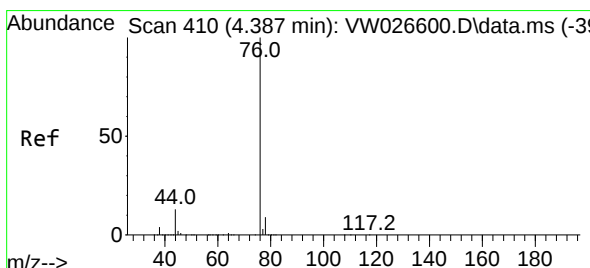
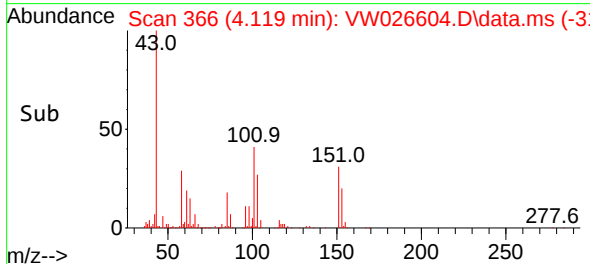
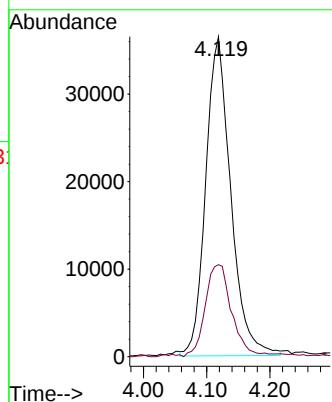
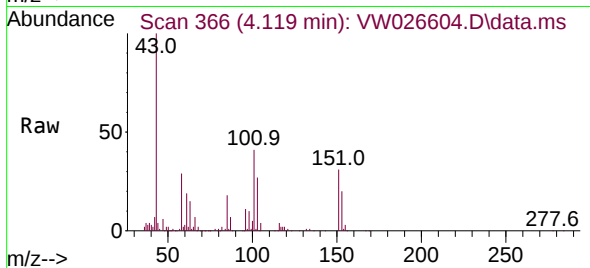




#13
Acetone
Concen: 37.963 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.006 min
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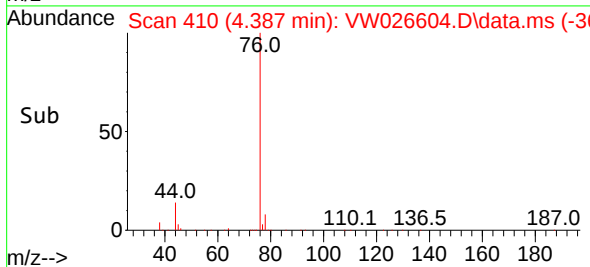
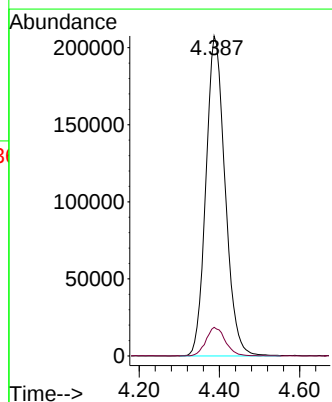
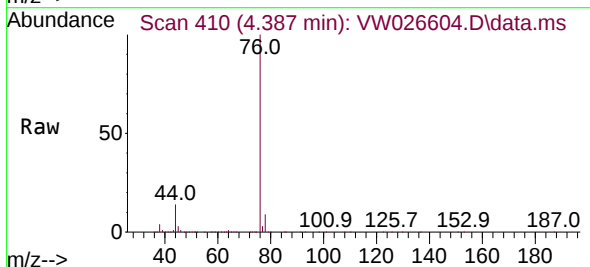
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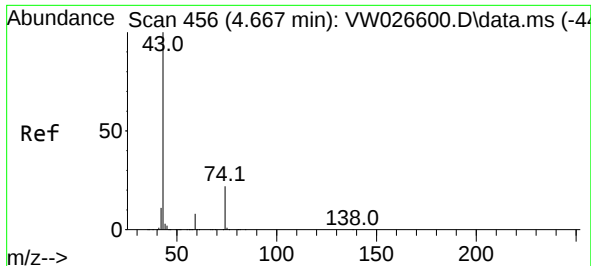
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Ion Ratio Lower Upper
43 100
58 30.1 0.0 63.2



#14
Carbon disulfide
Concen: 21.775 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
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Acq: 12 Jul 2023 12:07

Tgt Ion: 76 Resp: 688866
Ion Ratio Lower Upper
76 100
78 8.9 6.9 10.3

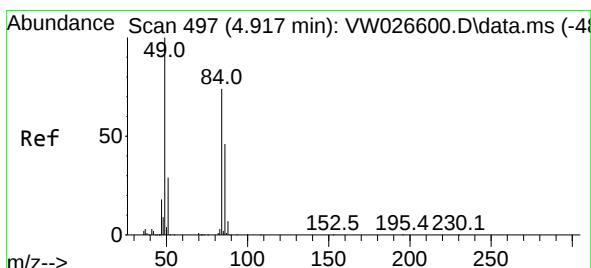
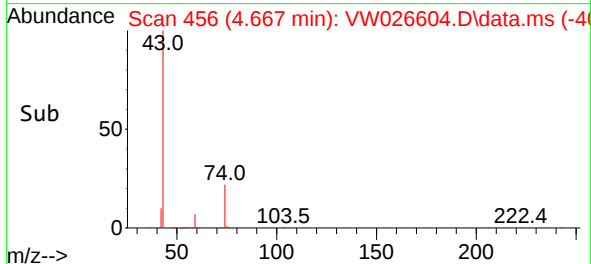
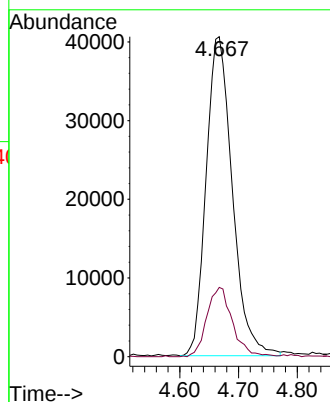
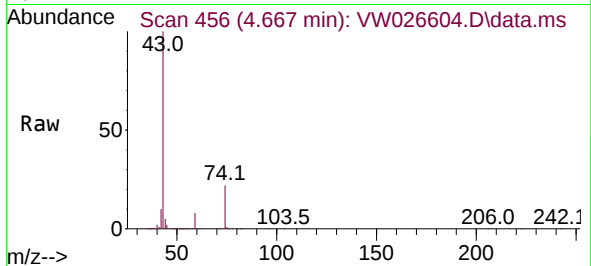




#15
Methyl Acetate
Concen: 19.784 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

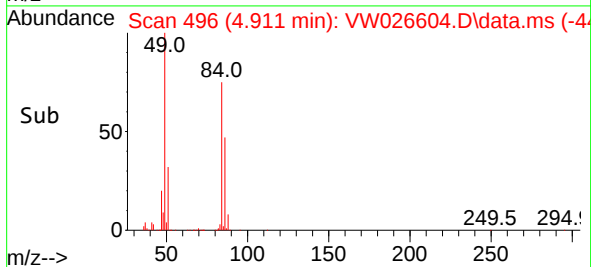
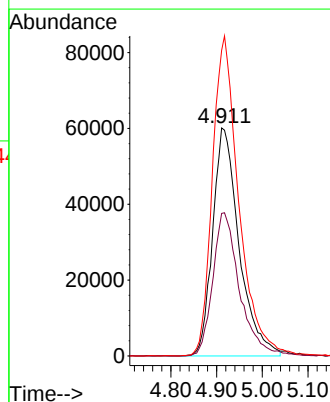
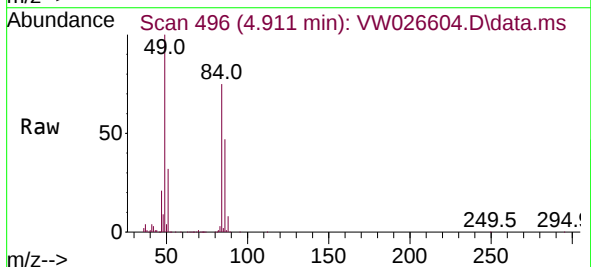
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

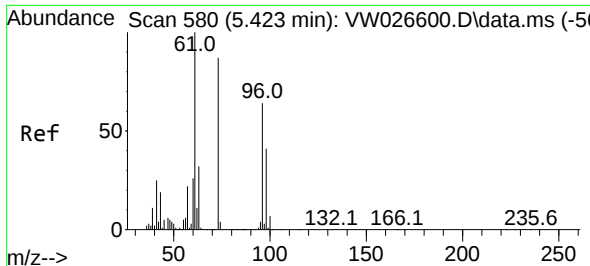
Tgt Ion: 43 Resp: 125562
Ion Ratio Lower Upper
43 100
74 20.9 16.3 24.5



#16
Methylene chloride
Concen: 20.306 ug/L
RT: 4.911 min Scan# 496
Delta R.T. -0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 84 Resp: 241662
Ion Ratio Lower Upper
84 100
86 62.6 43.8 81.3
49 134.1 99.2 184.2

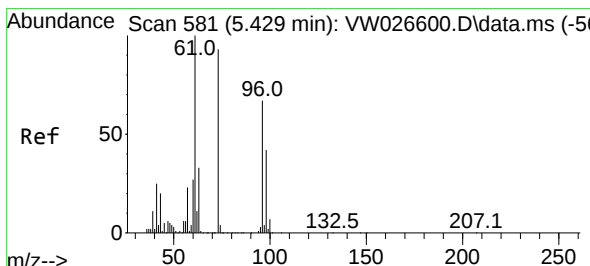
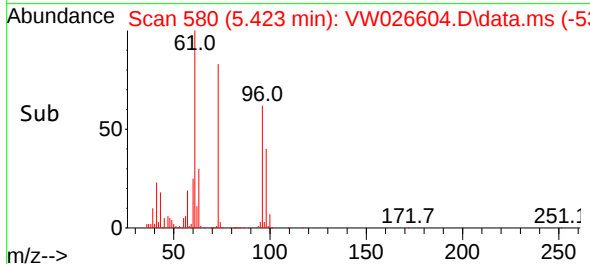
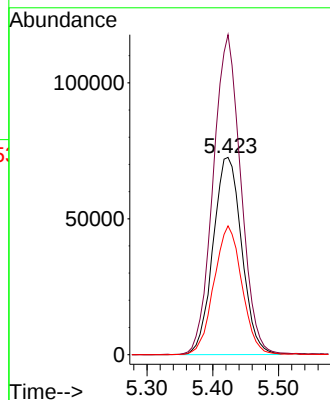
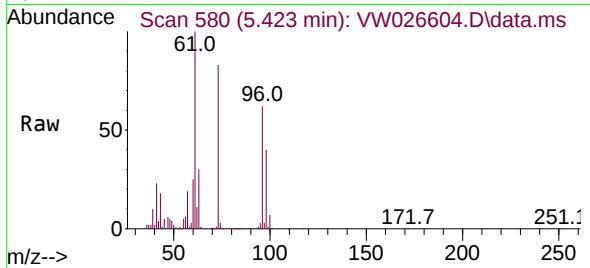




#17
trans-1,2-Dichloroethene
Concen: 22.754 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

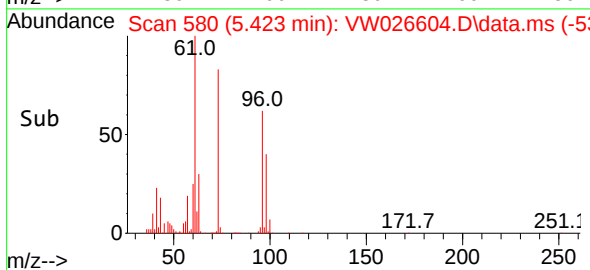
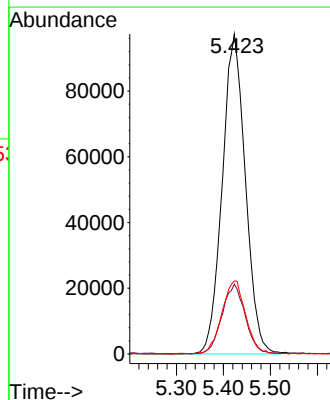
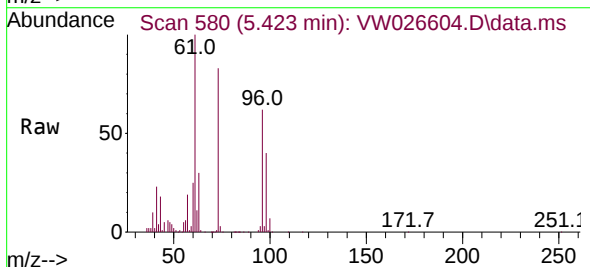
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

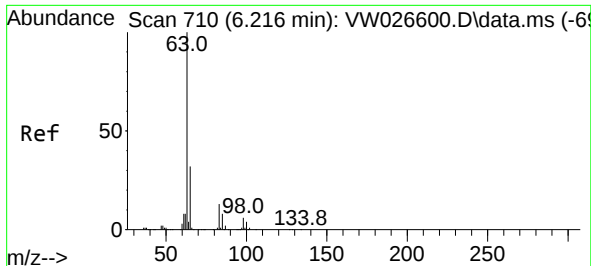
Tgt Ion: 96 Resp: 219558
Ion Ratio Lower Upper
96 100
61 162.2 108.1 200.9
98 65.3 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 22.039 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 73 Resp: 332829
Ion Ratio Lower Upper
73 100
43 22.0 17.4 26.2
57 23.3 19.3 28.9





#19

1,1-Dichloroethane

Concen: 23.182 ug/L

RT: 6.210 min Scan# 710

Delta R.T. -0.006 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

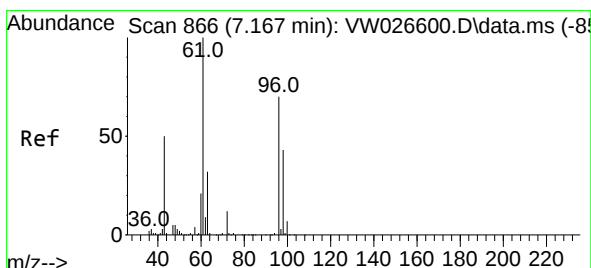
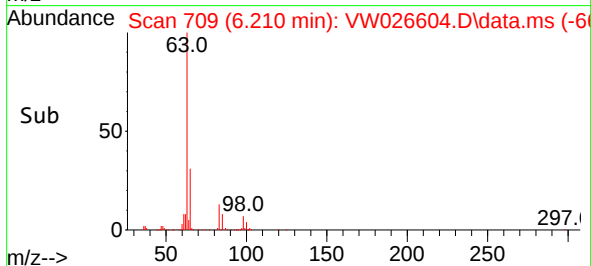
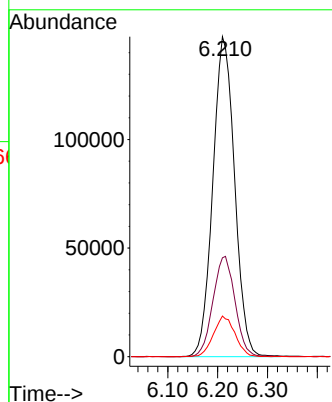
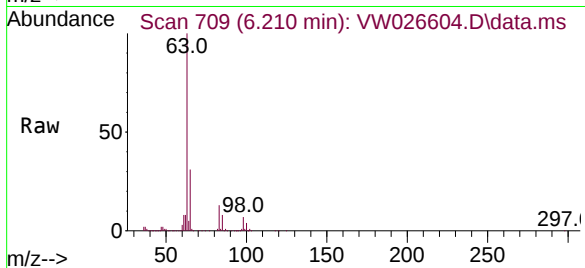
Tgt Ion: 63 Resp: 447232

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 12.7 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 24.003 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

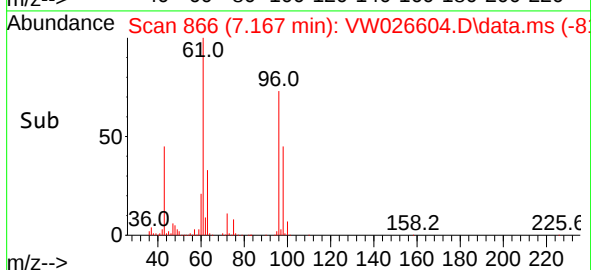
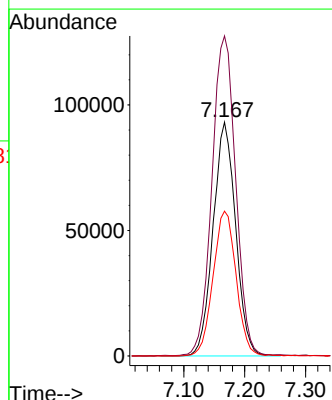
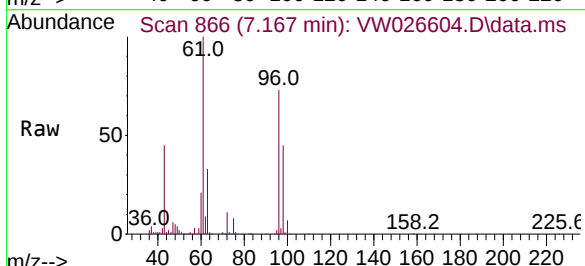
Tgt Ion: 96 Resp: 239839

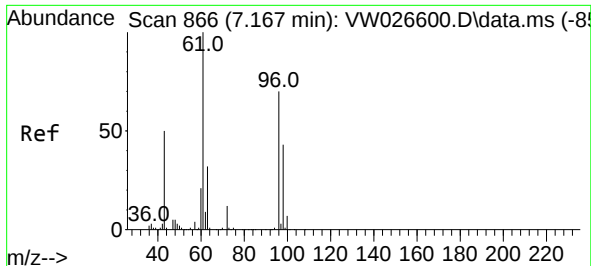
Ion Ratio Lower Upper

96 100

61 136.9 98.8 183.6

98 62.0 42.4 78.6

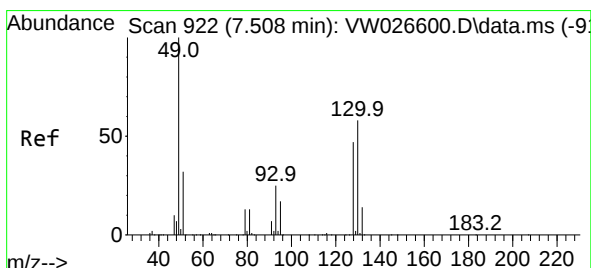
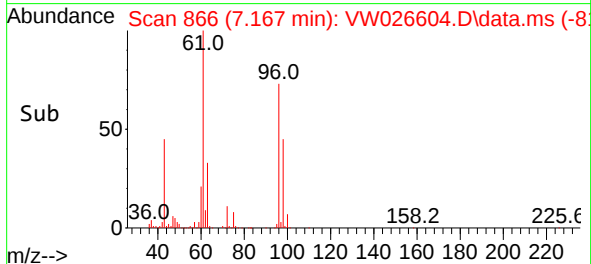
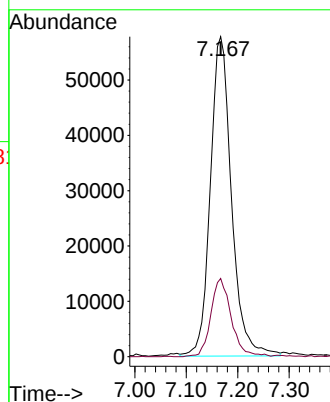
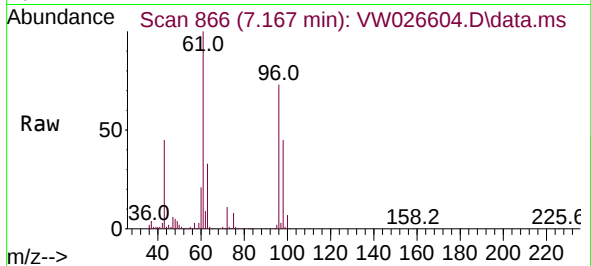




#22
2-Butanone
Concen: 40.993 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

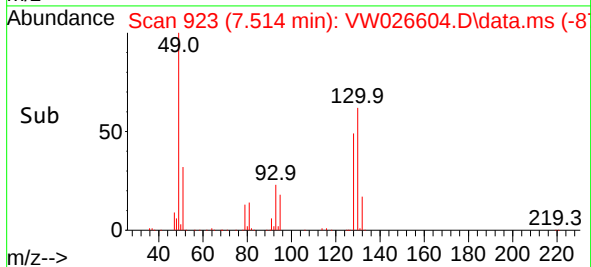
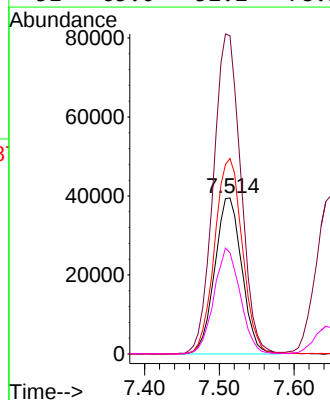
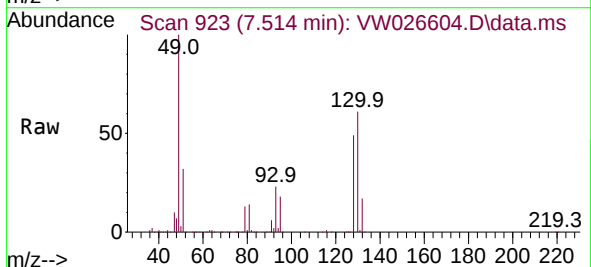
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

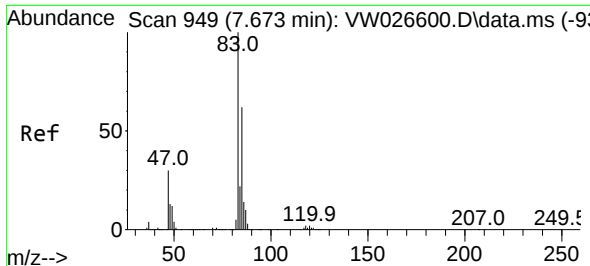
Tgt Ion: 43 Resp: 164907
Ion Ratio Lower Upper
43 100
72 23.4 11.9 35.5



#23
Bromochloromethane
Concen: 23.263 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion:128 Resp: 99566
Ion Ratio Lower Upper
128 100
49 204.1 142.1 263.9
130 125.4 92.9 172.5
51 65.0 52.2 78.2

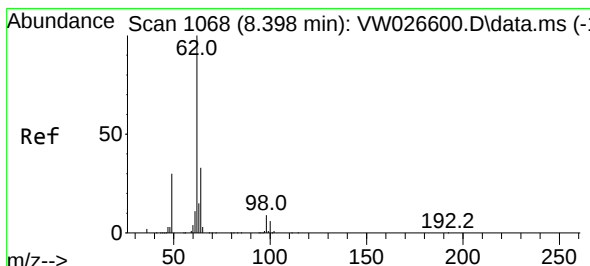
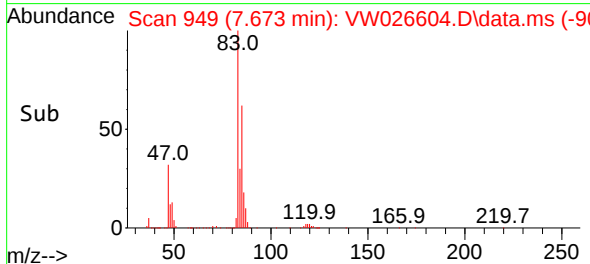
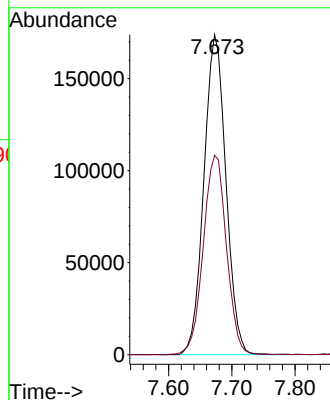
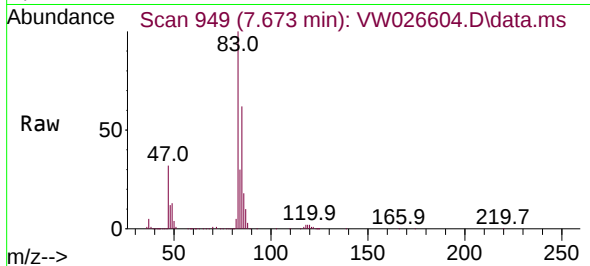




#25
Chloroform
Concen: 23.833 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

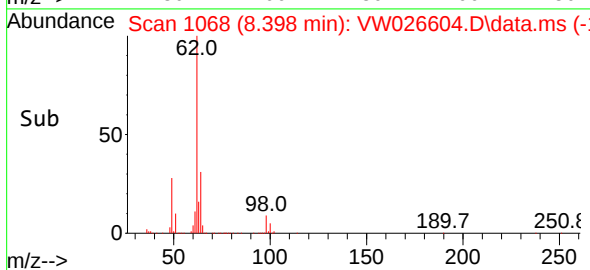
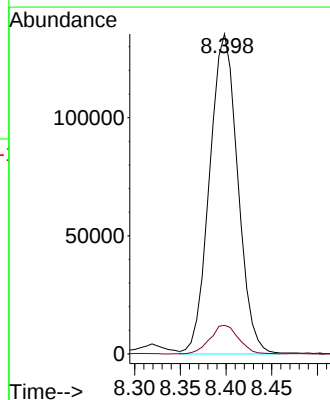
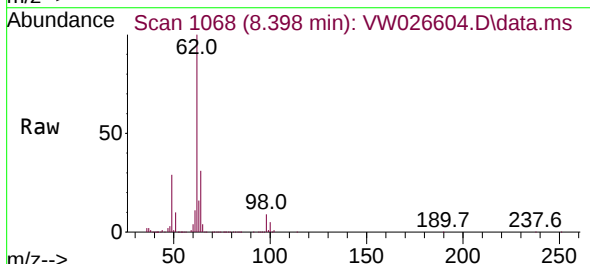
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

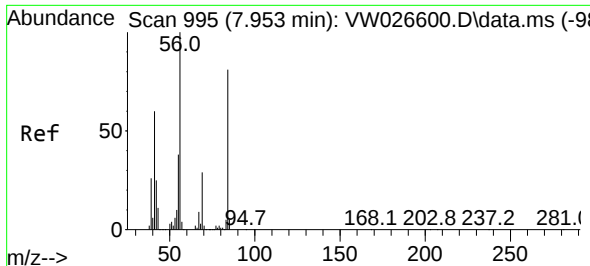
Tgt Ion: 83 Resp: 421266
Ion Ratio Lower Upper
83 100
85 62.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 23.349 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 62 Resp: 290535
Ion Ratio Lower Upper
62 100
98 8.9 6.7 10.1

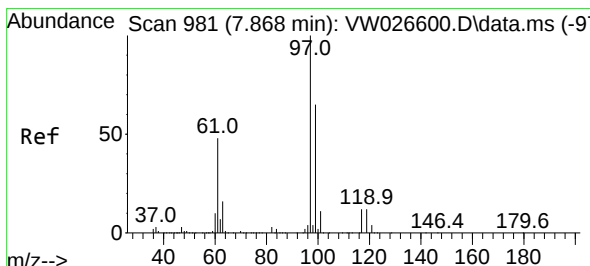
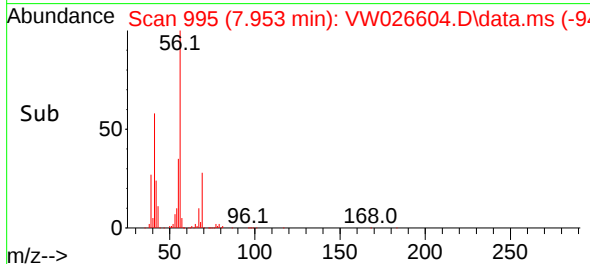
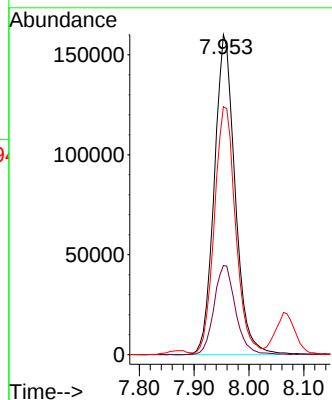
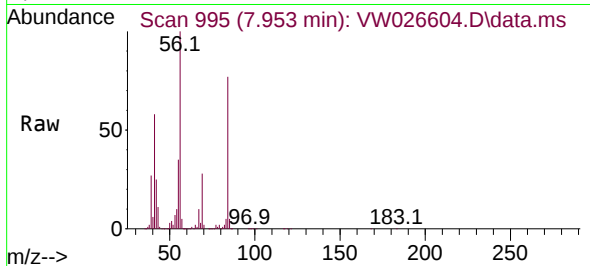




#29
Cyclohexane
Concen: 22.541 ug/L
RT: 7.953 min Scan# 995
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

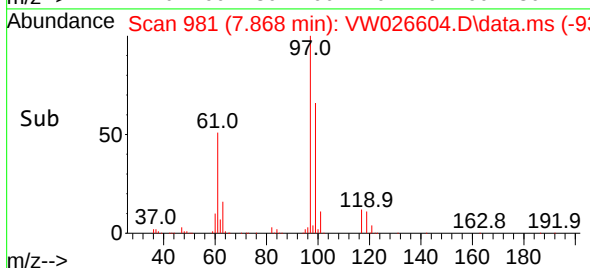
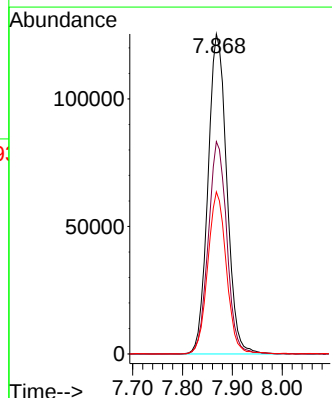
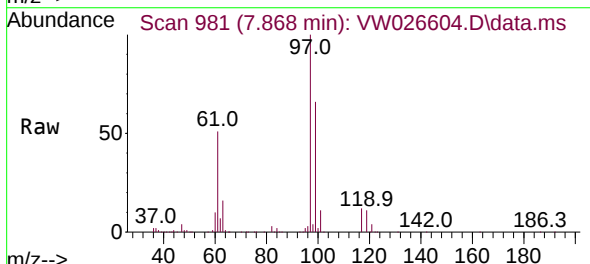
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

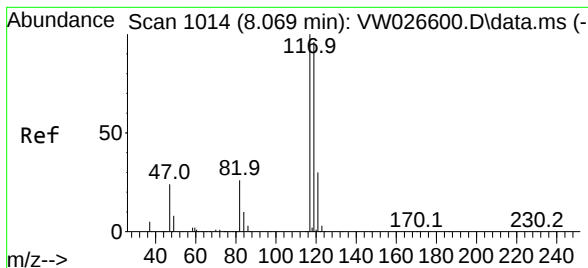
Tgt Ion: 56 Resp: 422244
Ion Ratio Lower Upper
56 100
69 28.7 23.4 35.0
84 79.1 62.6 94.0



#30
1,1,1-Trichloroethane
Concen: 22.283 ug/L
RT: 7.868 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 97 Resp: 328588
Ion Ratio Lower Upper
97 100
99 65.3 49.9 74.9
61 50.2 39.8 59.8

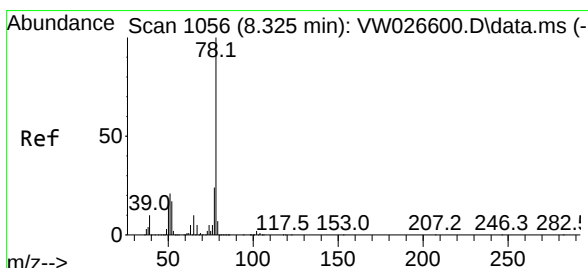
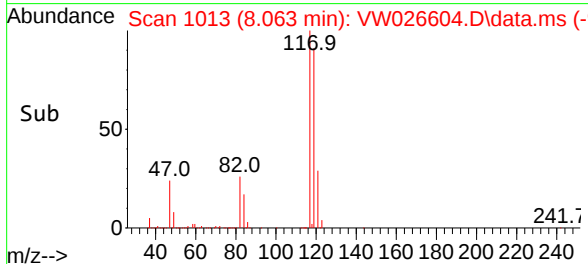
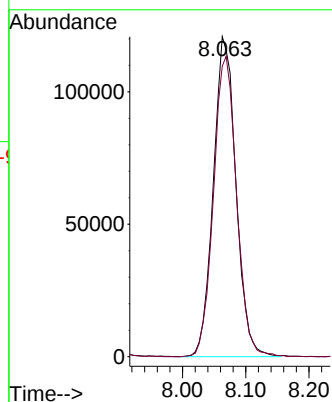
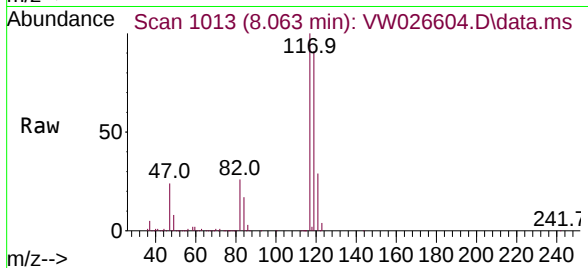




#31
Carbon tetrachloride
Concen: 22.405 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

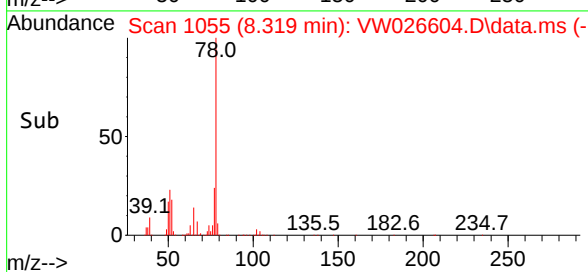
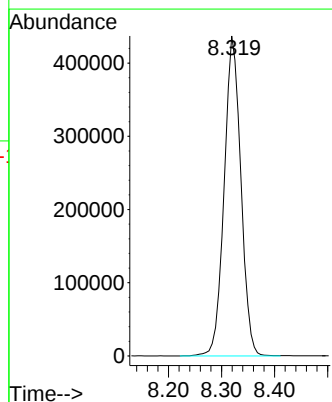
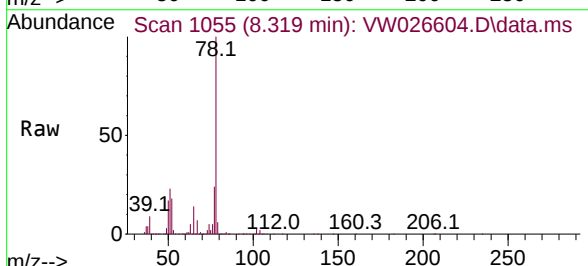
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

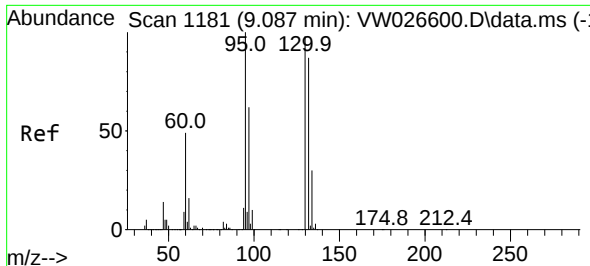
Tgt Ion:117 Resp: 299906
Ion Ratio Lower Upper
117 100
119 95.6 77.1 115.7



#33
Benzene
Concen: 23.055 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 78 Resp: 955741





#34

Trichloroethene

Concen: 22.590 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

Tgt Ion: 95 Resp: 240556

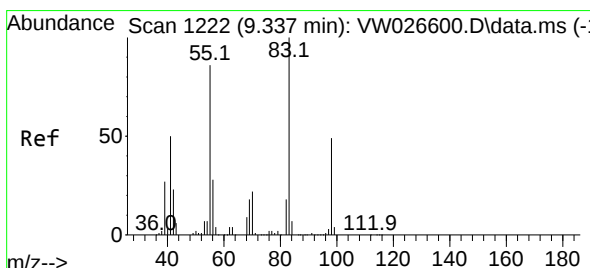
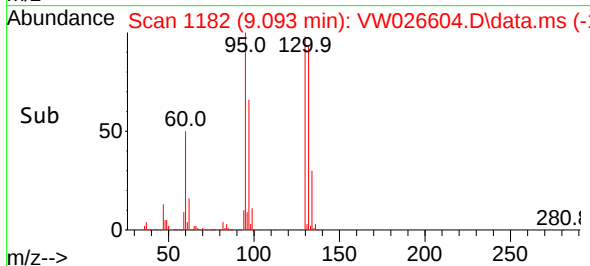
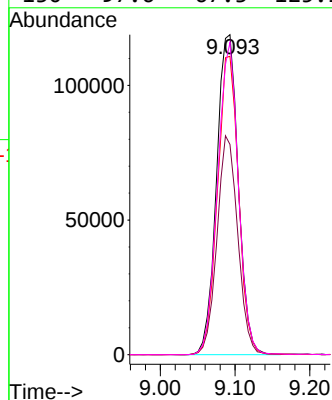
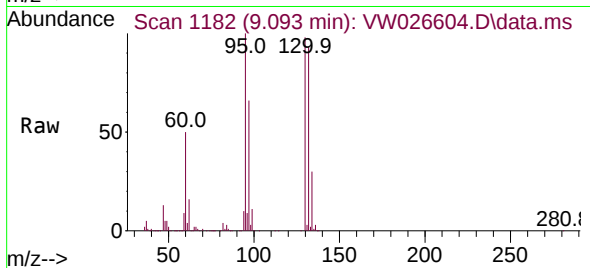
Ion Ratio Lower Upper

95 100

97 65.7 47.9 88.9

132 93.3 65.0 120.8

130 97.6 67.3 125.1



#35

Methylcyclohexane

Concen: 22.803 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

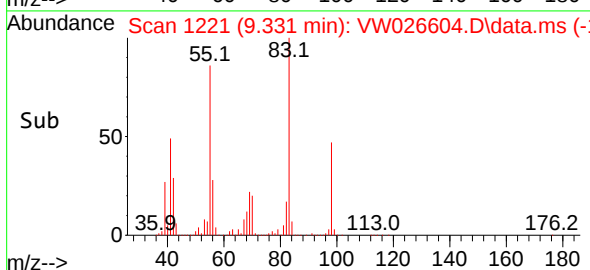
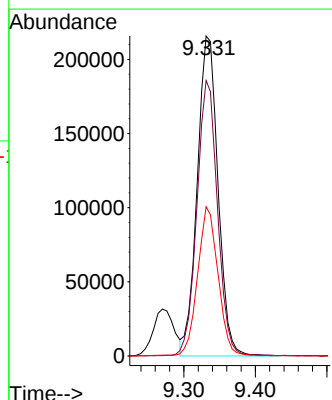
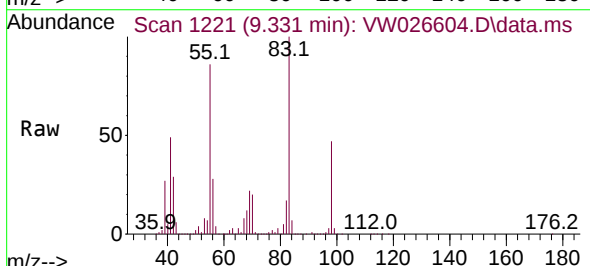
Tgt Ion: 83 Resp: 436006

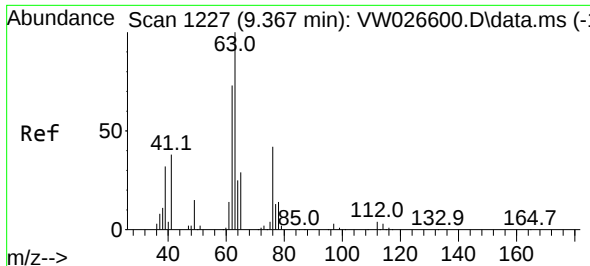
Ion Ratio Lower Upper

83 100

55 85.5 68.7 103.1

98 45.8 37.3 55.9





#37

1,2-Dichloropropane

Concen: 23.622 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

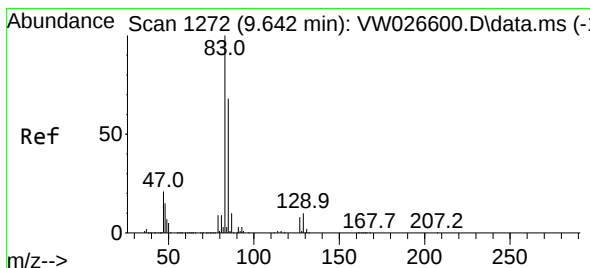
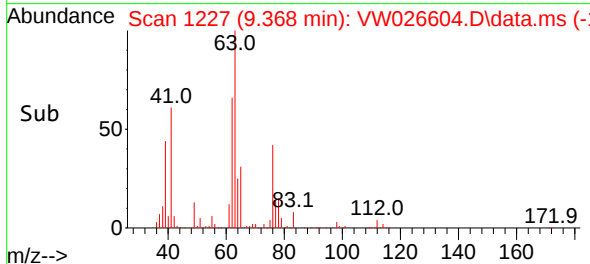
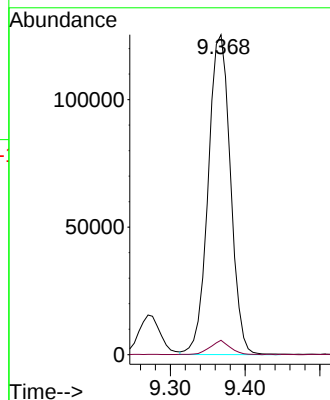
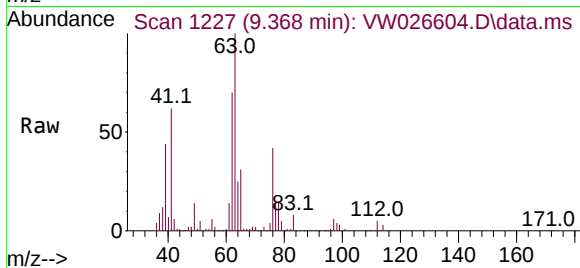
VSTD025557

Tgt Ion: 63 Resp: 260056

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 23.363 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

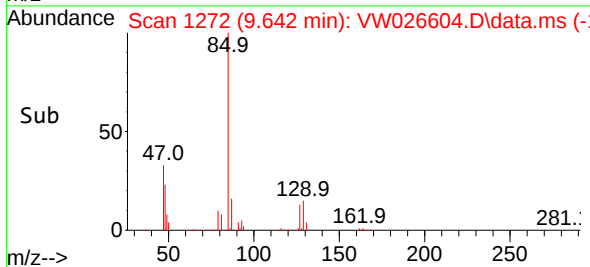
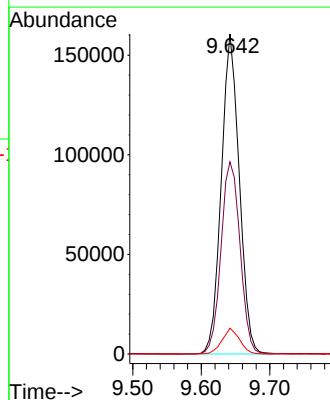
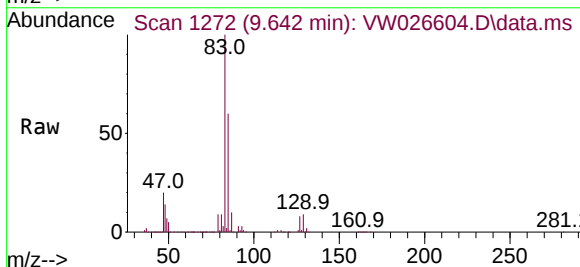
Tgt Ion: 83 Resp: 292216

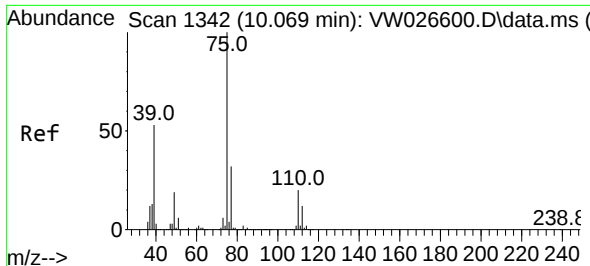
Ion Ratio Lower Upper

83 100

85 60.0 43.3 80.3

127 8.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 23.670 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

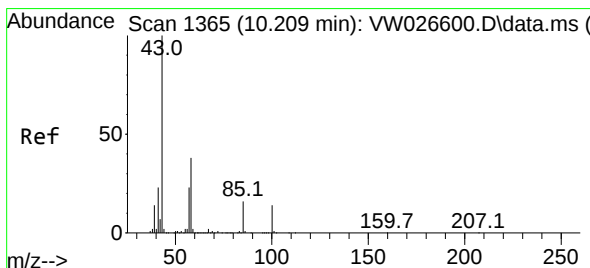
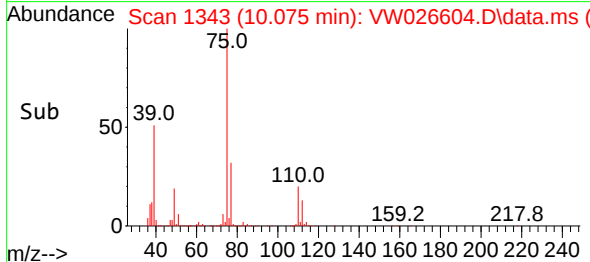
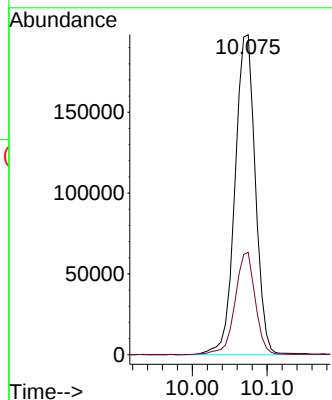
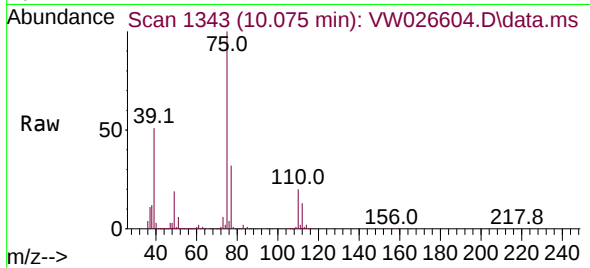
VSTD025557

Tgt Ion: 75 Resp: 375163

Ion Ratio Lower Upper

75 100

77 32.0 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 41.071 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

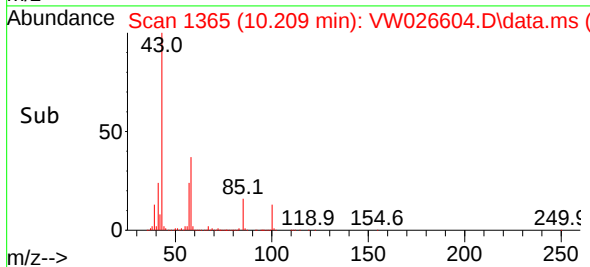
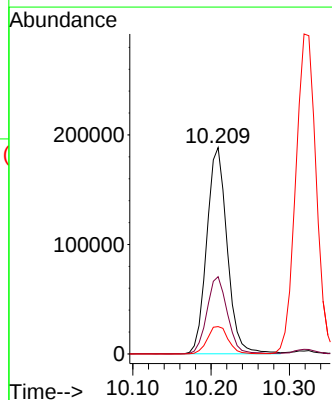
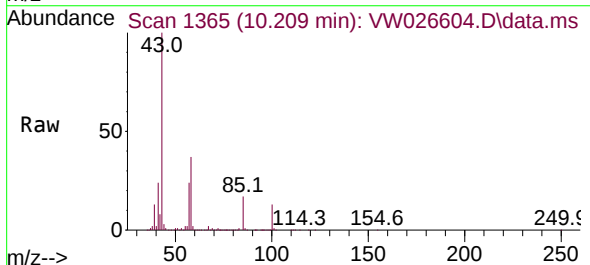
Tgt Ion: 43 Resp: 341268

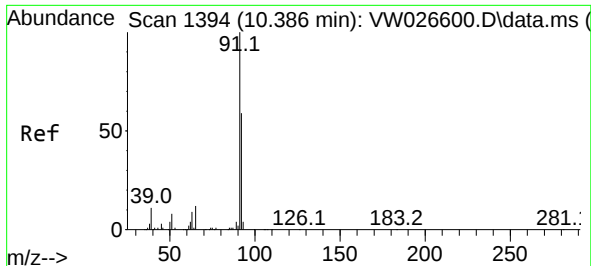
Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8

100 13.6 10.7 16.1

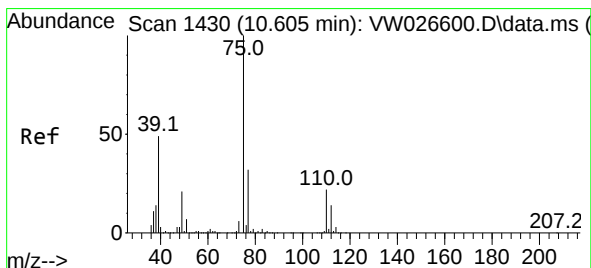
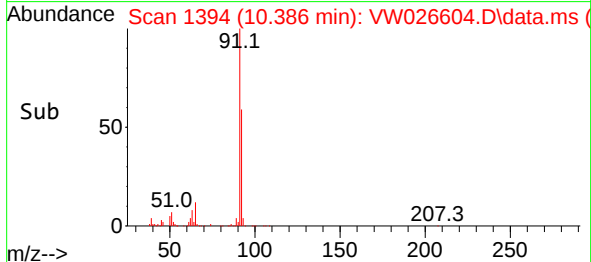
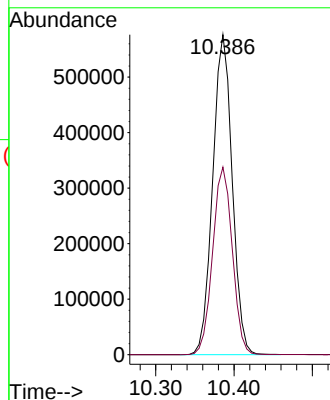
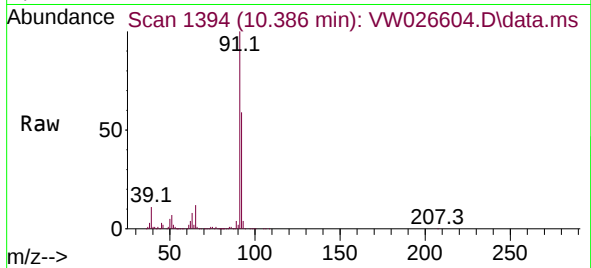




#42
Toluene
Concen: 23.815 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

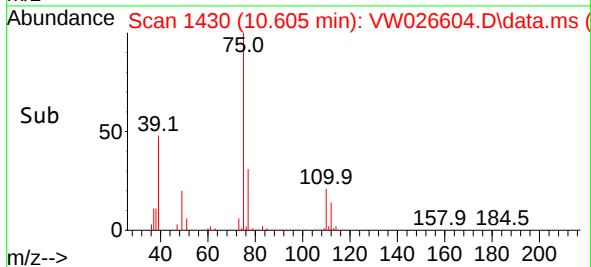
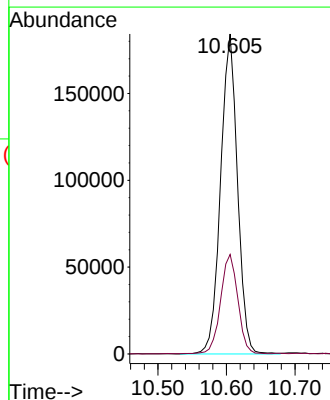
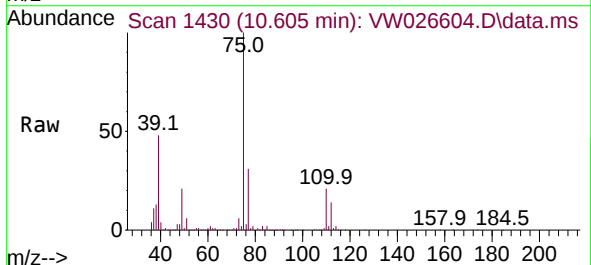
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

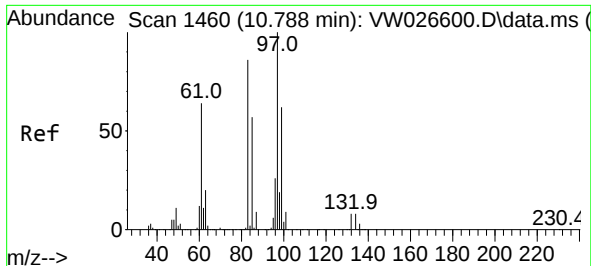
Tgt Ion: 91 Resp: 996973
Ion Ratio Lower Upper
91 100
92 58.6 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 23.506 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 75 Resp: 314206
Ion Ratio Lower Upper
75 100
77 31.1 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 22.349 ug/L

RT: 10.782 min Scan# 14

Delta R.T. -0.006 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

Tgt Ion: 97 Resp: 171717

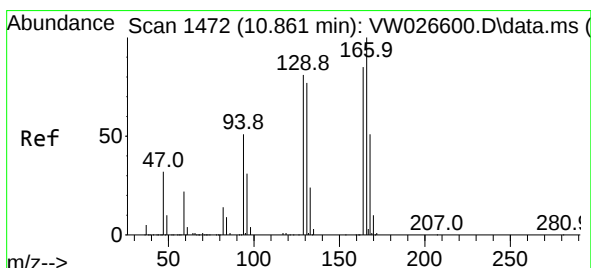
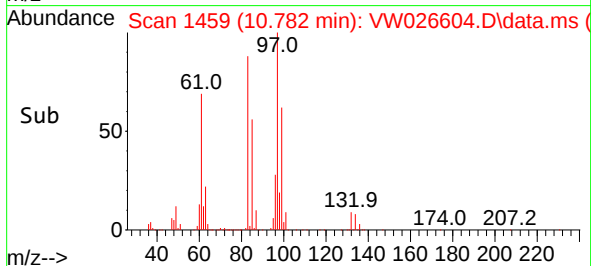
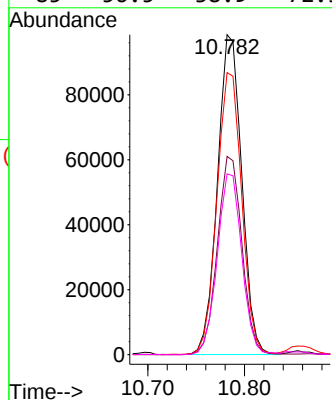
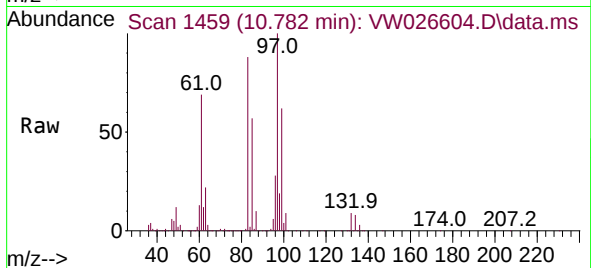
Ion Ratio Lower Upper

97 100

99 61.9 40.5 75.3

83 88.1 61.0 113.2

85 56.5 38.9 72.3



#46

Tetrachloroethene

Concen: 23.149 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Tgt Ion:164 Resp: 174996

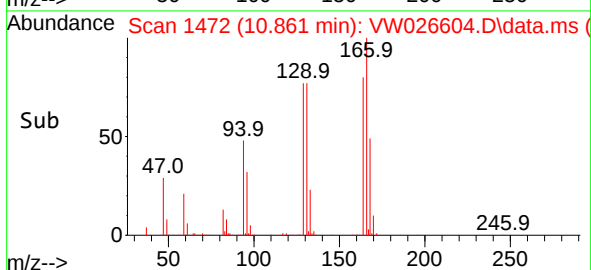
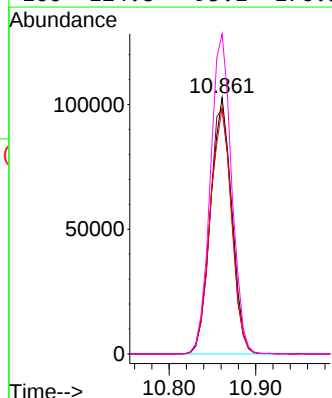
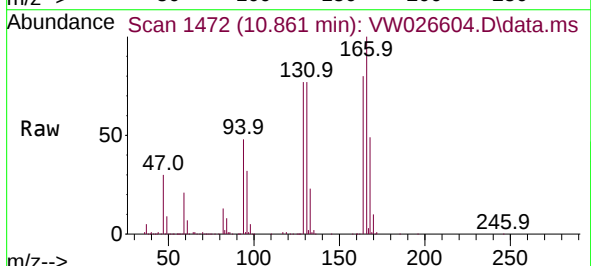
Ion Ratio Lower Upper

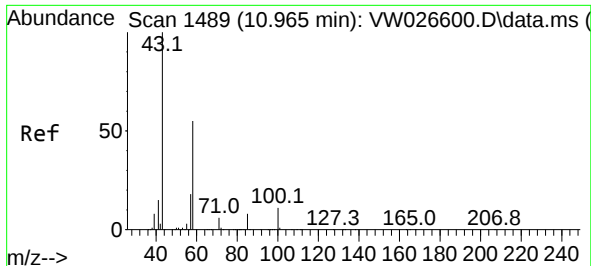
164 100

129 95.6 75.5 140.1

131 96.0 74.8 138.8

166 124.8 95.1 176.5



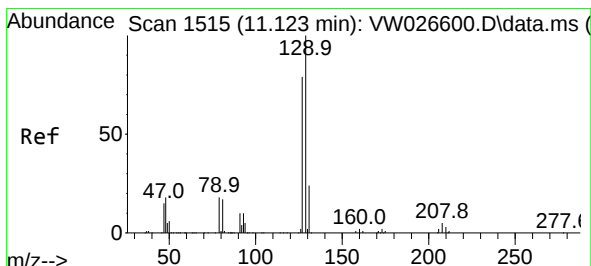
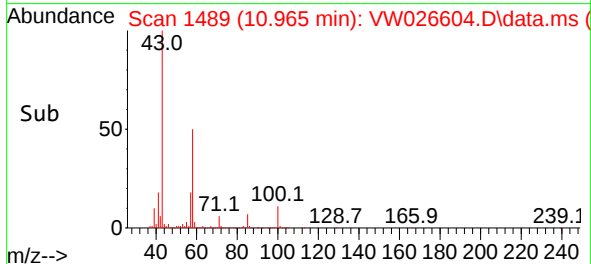
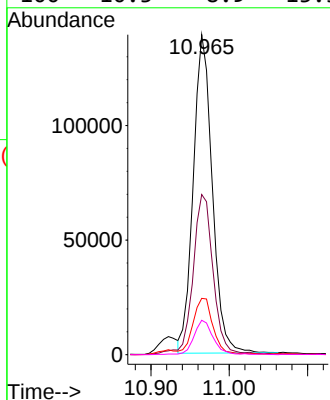
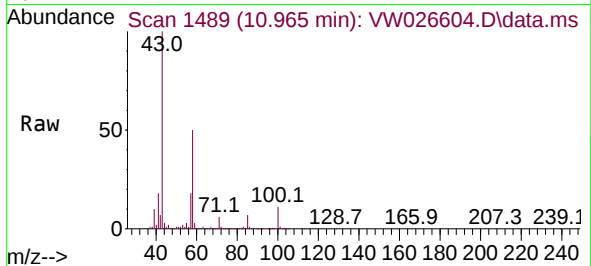


#48
2-Hexanone
Concen: 40.527 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

Tgt Ion: 43 Resp: 235011

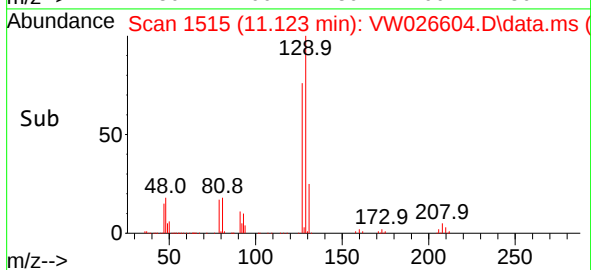
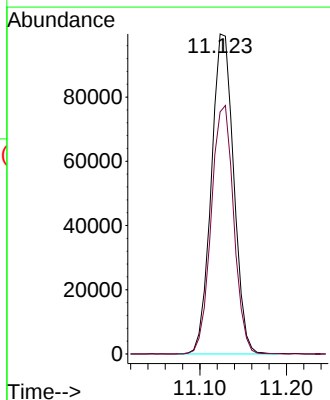
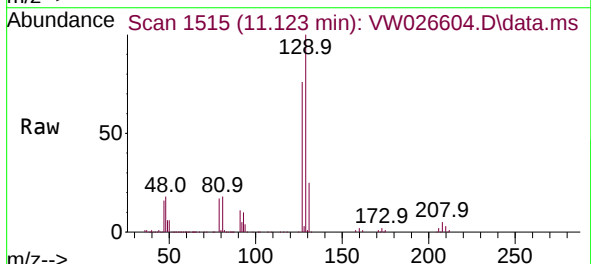
Ion	Ratio	Lower	Upper
43	100		
58	51.6	42.1	63.1
57	17.8	14.8	22.2
100	10.3	8.9	13.3

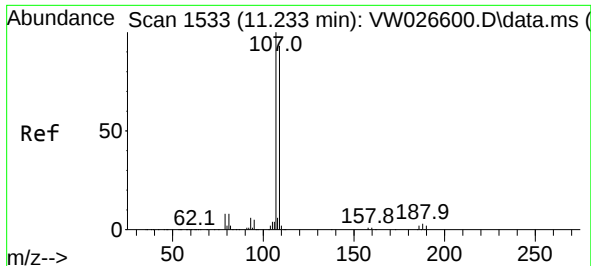


#49
Dibromochloromethane
Concen: 23.602 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 129 Resp: 179567

Ion	Ratio	Lower	Upper
129	100		
127	75.6	51.2	95.2





#50

1,2-Dibromoethane

Concen: 22.447 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

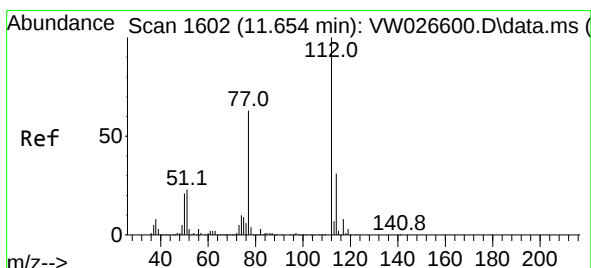
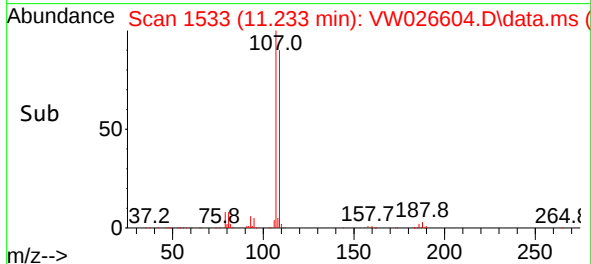
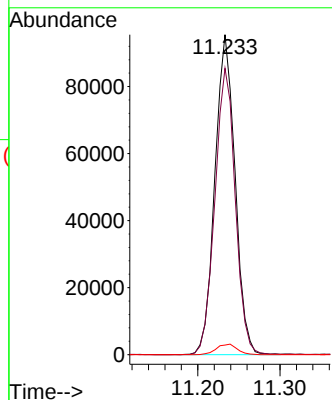
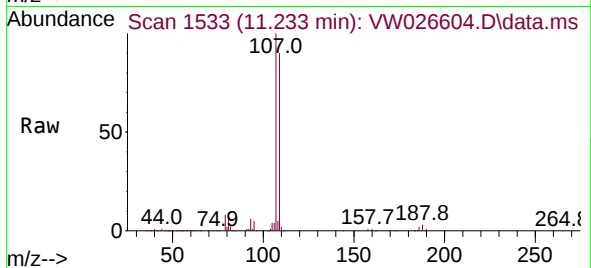
Tgt Ion:107 Resp: 162582

Ion Ratio Lower Upper

107 100

109 89.5 62.9 116.7

188 3.0 2.8 4.2



#51

Chlorobenzene

Concen: 23.029 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

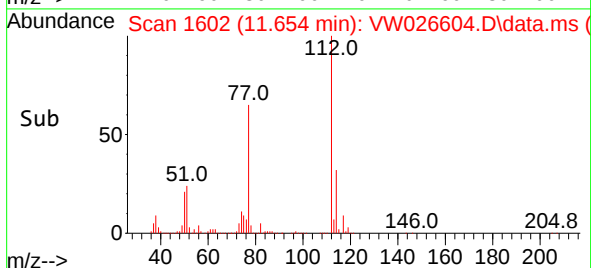
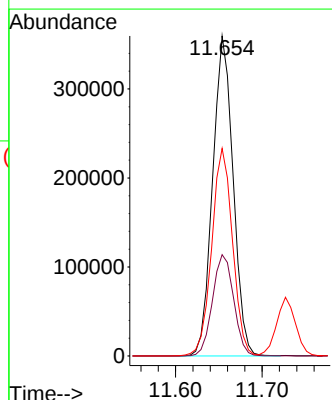
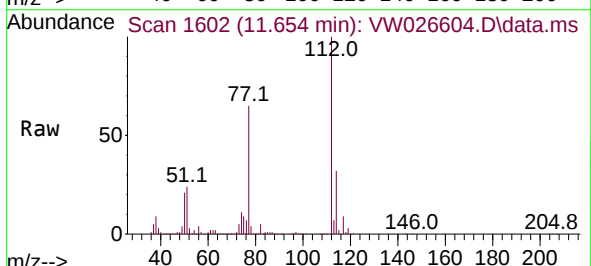
Tgt Ion:112 Resp: 591111

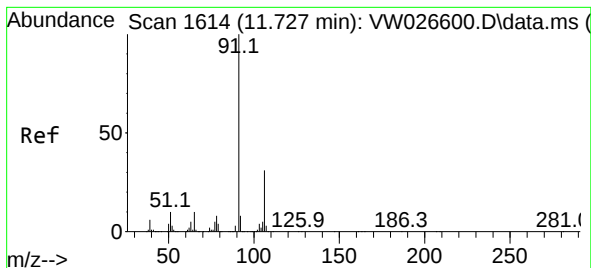
Ion Ratio Lower Upper

112 100

114 31.6 21.6 40.2

77 64.9 50.3 75.5

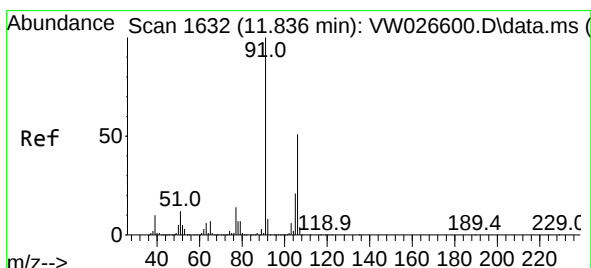
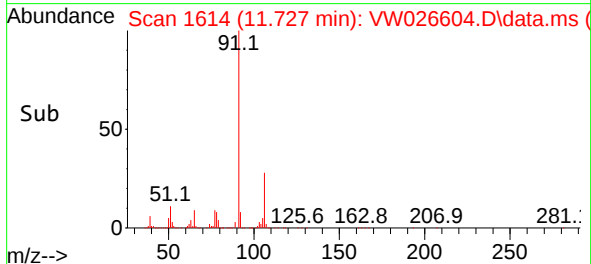
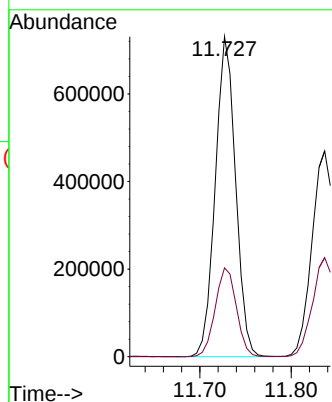
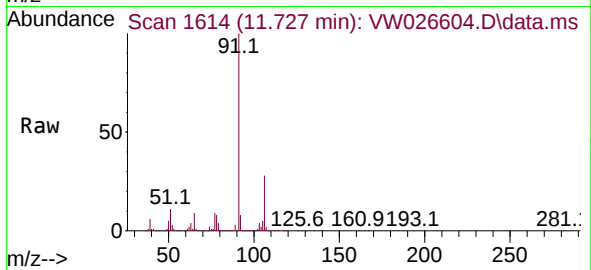




#52
Ethylbenzene
Concen: 24.264 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

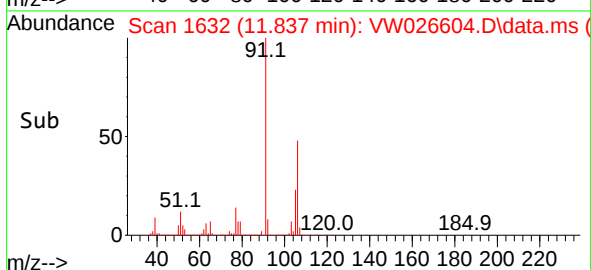
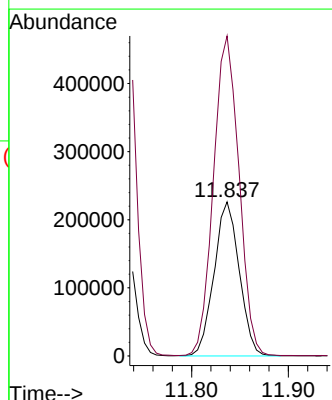
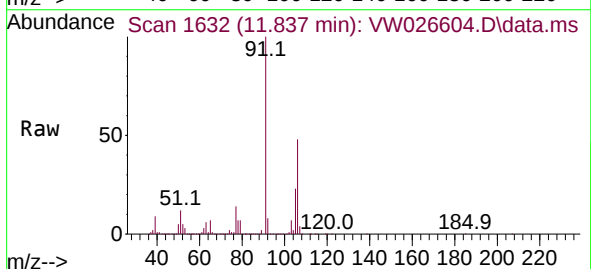
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

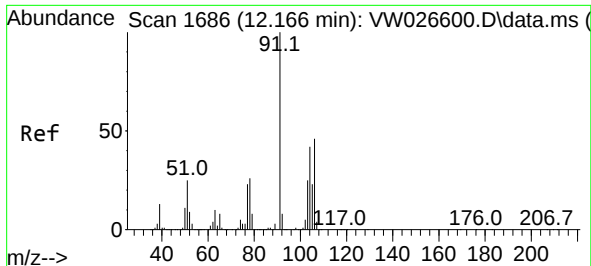
Tgt Ion: 91 Resp: 1130882
Ion Ratio Lower Upper
91 100
106 27.7 20.8 38.6



#53
m,p-Xylene
Concen: 24.126 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 106 Resp: 409081
Ion Ratio Lower Upper
106 100
91 207.7 150.3 279.1

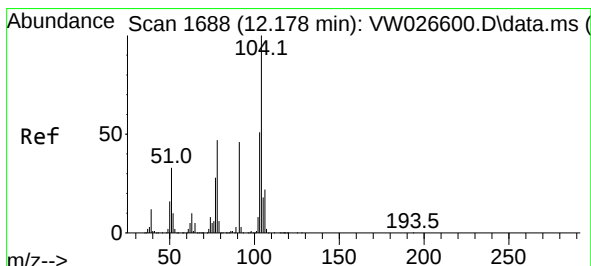
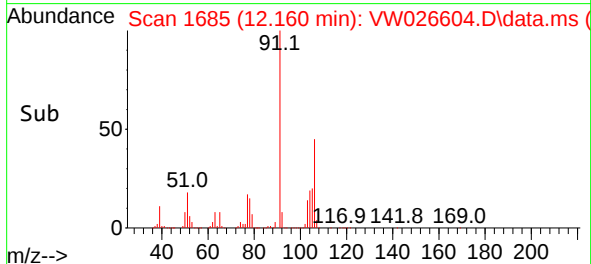
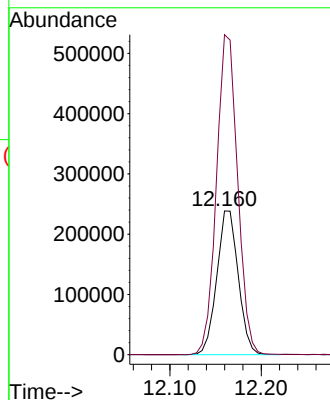
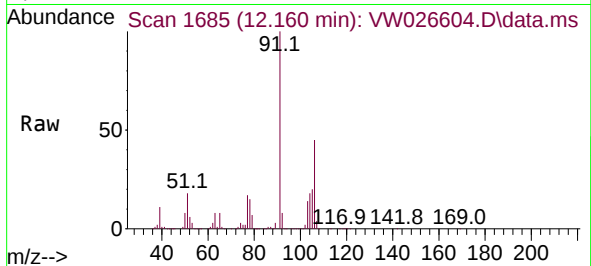




#54
o-Xylene
Concen: 24.514 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

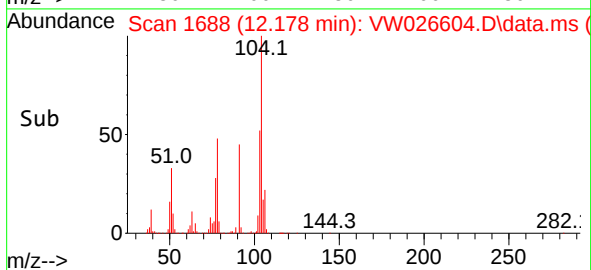
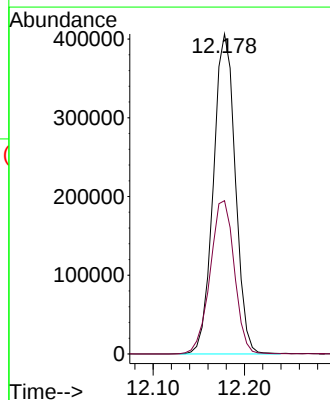
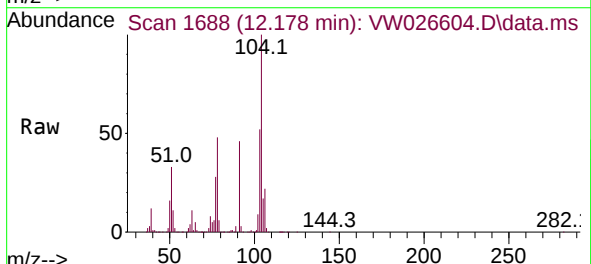
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

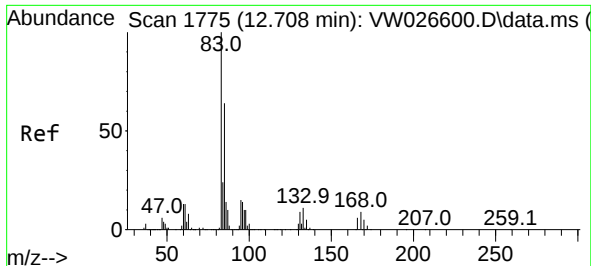
Tgt Ion:106 Resp: 390147
Ion Ratio Lower Upper
106 100
91 222.6 154.3 286.5



#55
Styrene
Concen: 25.250 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion:104 Resp: 677837
Ion Ratio Lower Upper
104 100
78 47.9 34.6 64.2





#57

1,1,2,2-Tetrachloroethane

Concen: 21.599 ug/L

RT: 12.708 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

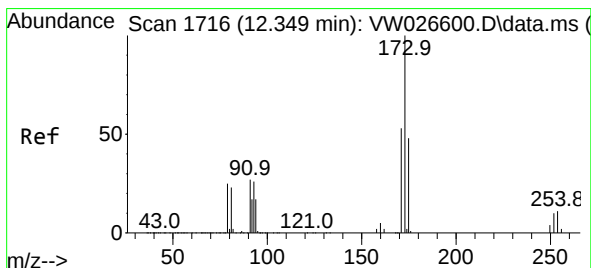
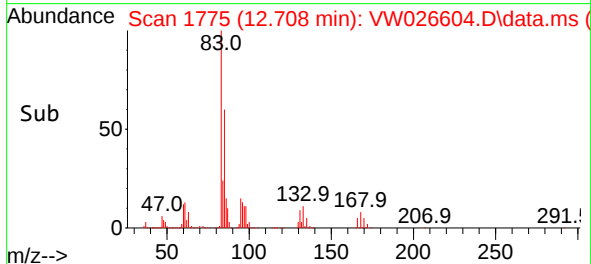
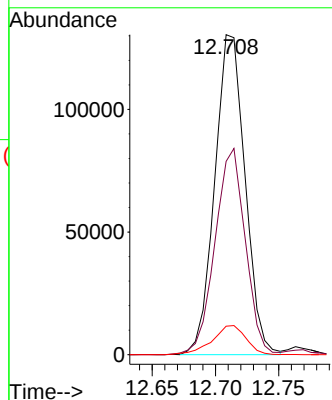
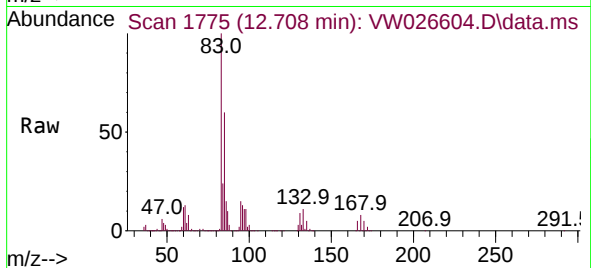
Tgt Ion: 83 Resp: 217795

Ion Ratio Lower Upper

83 100

85 60.4 46.2 85.8

131 8.9 7.2 10.8



#59

Bromoform

Concen: 22.054 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

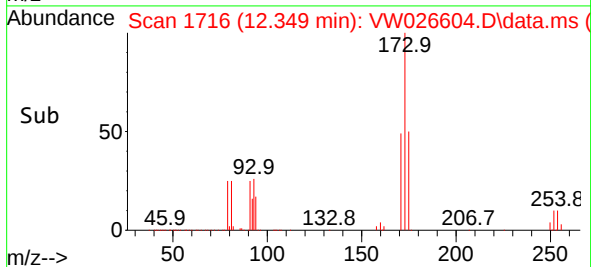
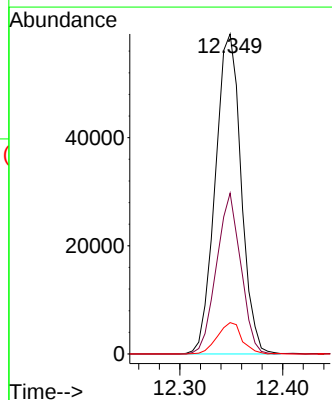
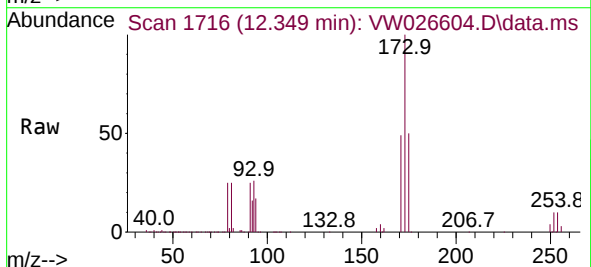
Tgt Ion: 173 Resp: 103221

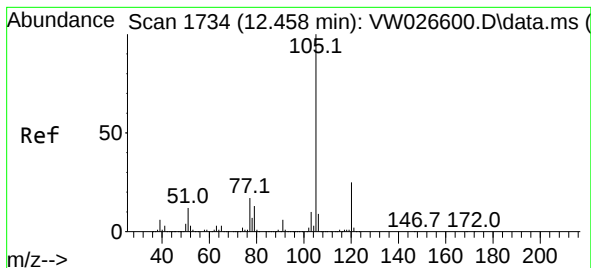
Ion Ratio Lower Upper

173 100

175 47.3 36.6 54.8

254 9.3 7.8 11.6





#60

Isopropylbenzene

Concen: 23.727 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

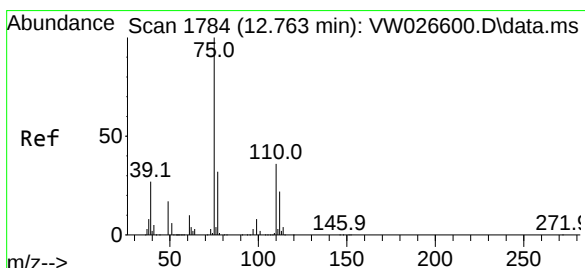
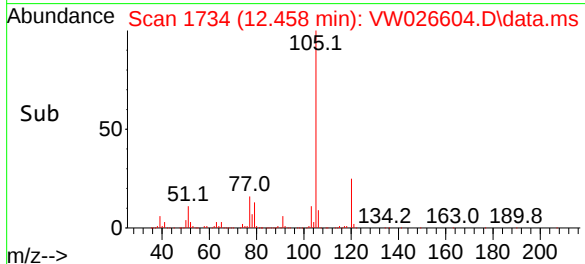
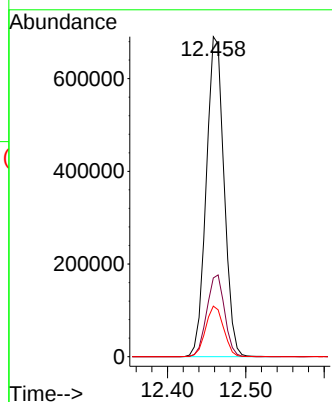
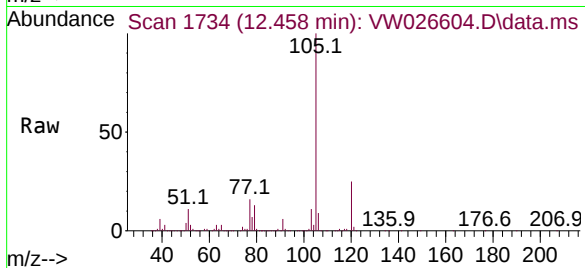
Tgt Ion:105 Resp: 1086350

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

77 16.0 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 20.411 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

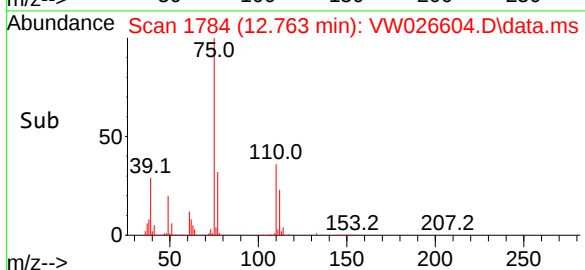
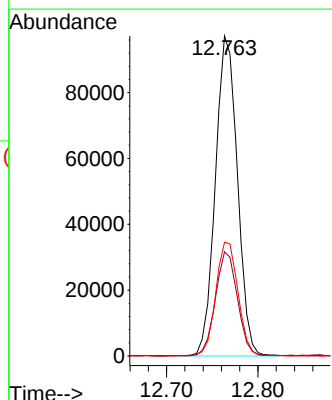
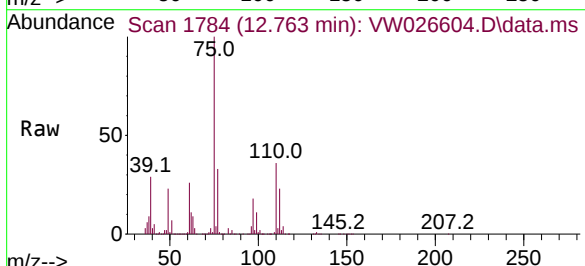
Tgt Ion: 75 Resp: 163142

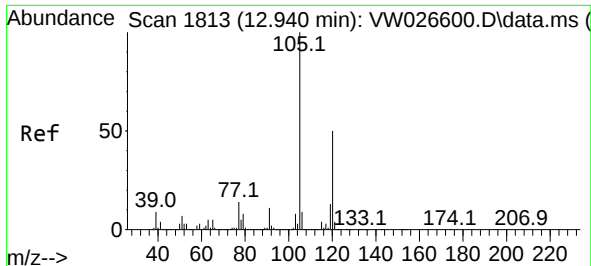
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

110 35.8 28.3 42.5

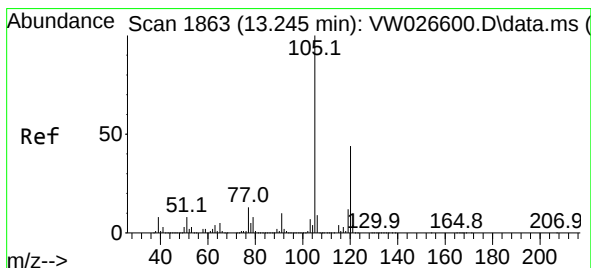
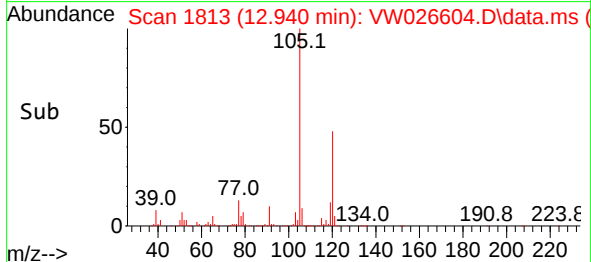
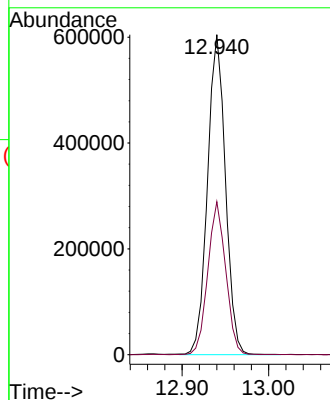
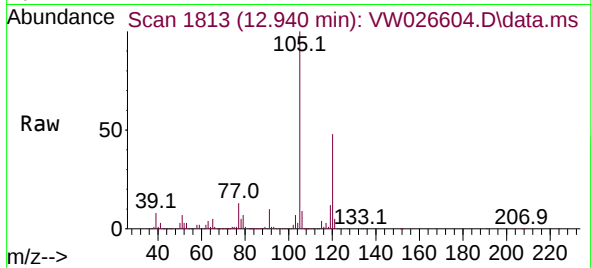




#62
1,3,5-Trimethylbenzene
Concen: 24.743 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

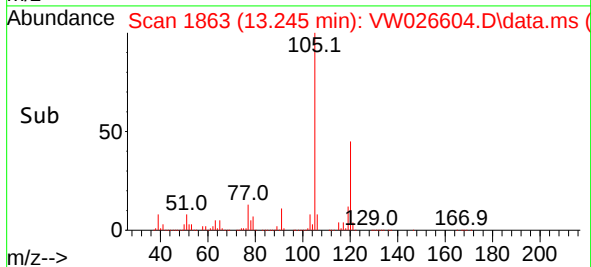
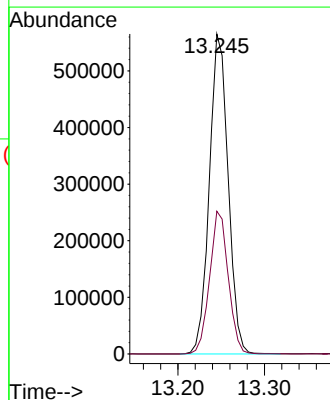
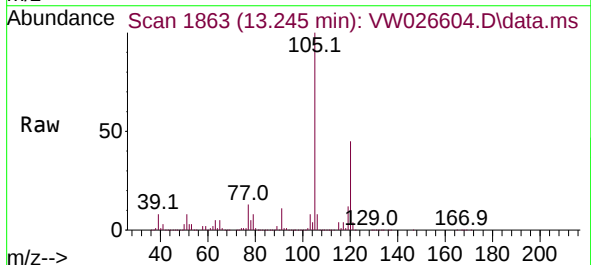
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

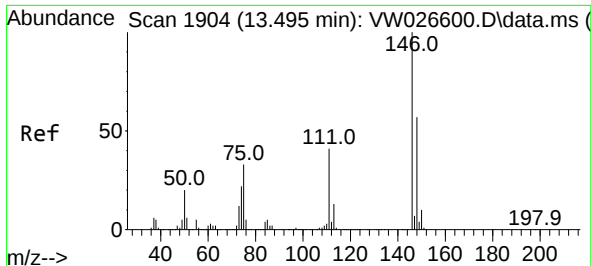
Tgt Ion:105 Resp: 868926
Ion Ratio Lower Upper
105 100
120 47.7 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 24.453 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion:105 Resp: 851397
Ion Ratio Lower Upper
105 100
120 44.3 35.2 52.8

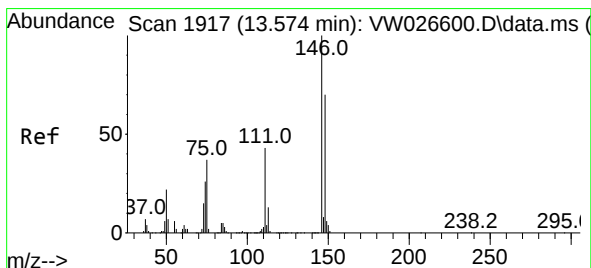
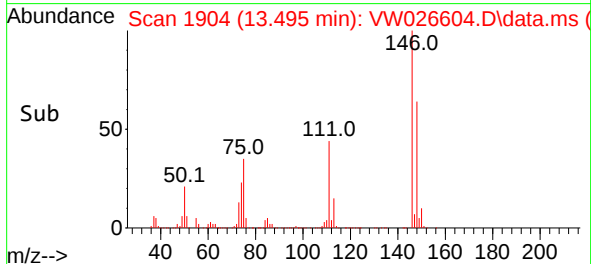
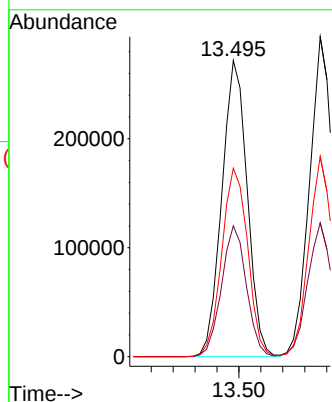
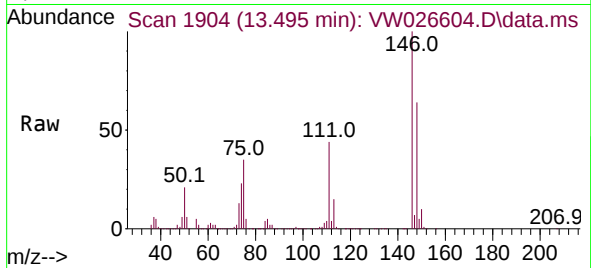




#64
1,3-Dichlorobenzene
Concen: 22.798 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

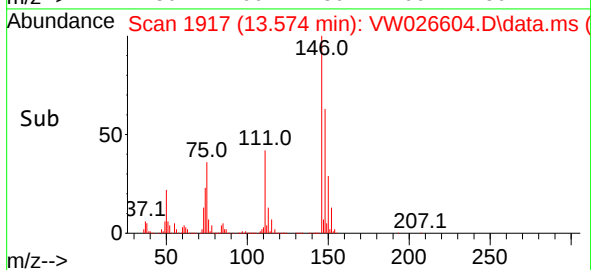
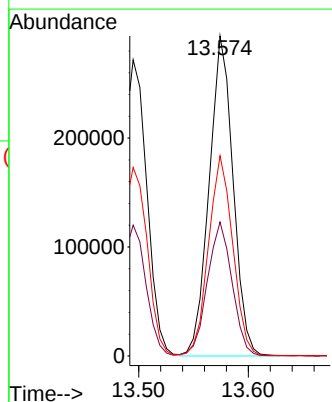
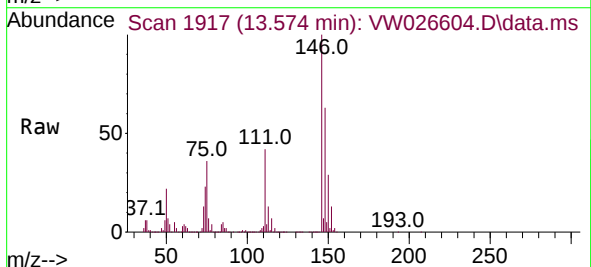
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

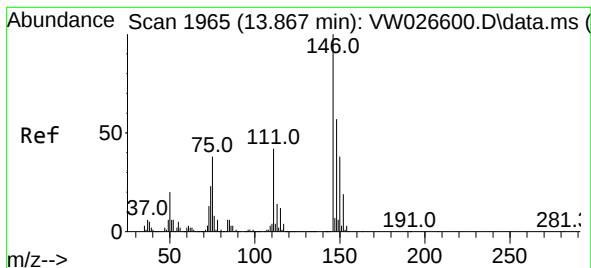
Tgt Ion:146 Resp: 438017
Ion Ratio Lower Upper
146 100
111 44.2 30.4 56.4
148 63.6 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 23.302 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion:146 Resp: 446480
Ion Ratio Lower Upper
146 100
111 41.8 29.7 55.1
148 62.6 45.4 84.4

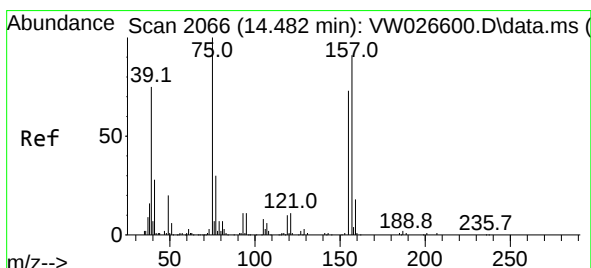
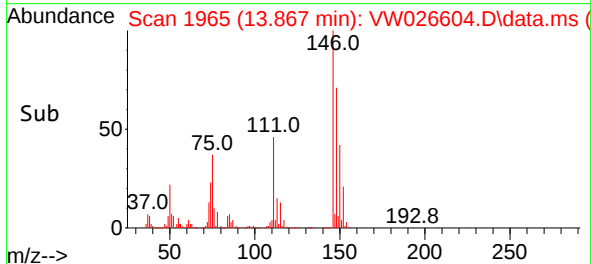
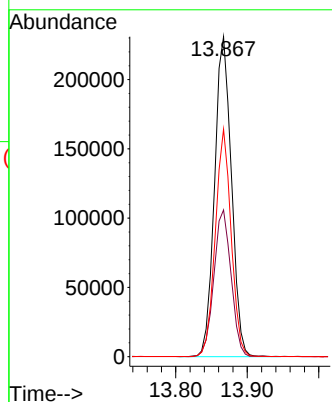
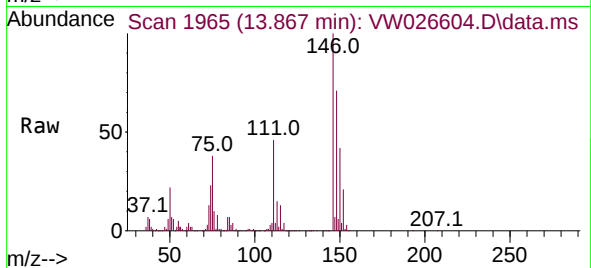




#67
1,2-Dichlorobenzene
Concen: 22.240 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

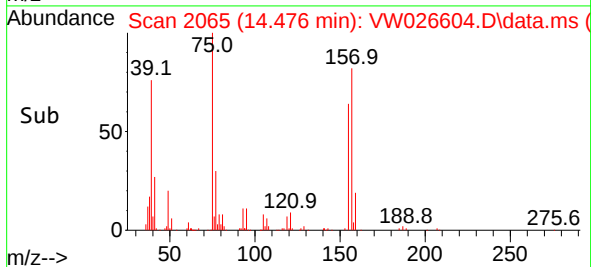
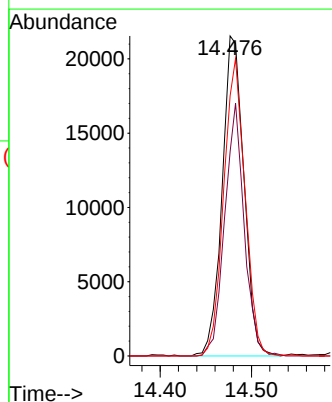
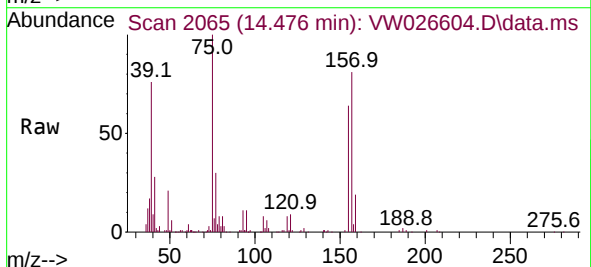
Instrument :
MSVOA_W
ClientSampleId :
VSTD025557

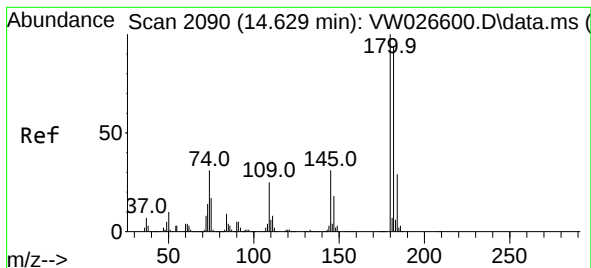
Tgt Ion:146 Resp: 378158
Ion Ratio Lower Upper
146 100
111 45.9 31.8 47.8
148 71.1 46.9 70.3#



#68
1,2-Dibromo-3-chloropropane
Concen: 18.764 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW026604.D
Acq: 12 Jul 2023 12:07

Tgt Ion: 75 Resp: 35698
Ion Ratio Lower Upper
75 100
155 63.8 49.1 73.7
157 81.3 60.6 90.8





#69

1,3,5-Trichlorobenzene

Concen: 22.653 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

Tgt Ion:180 Resp: 288019

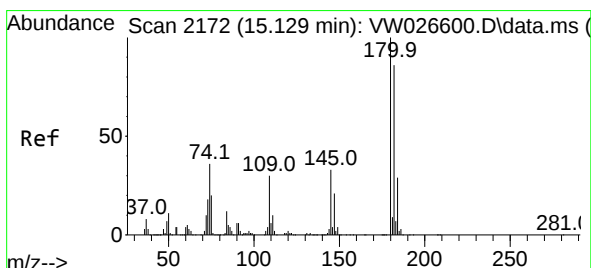
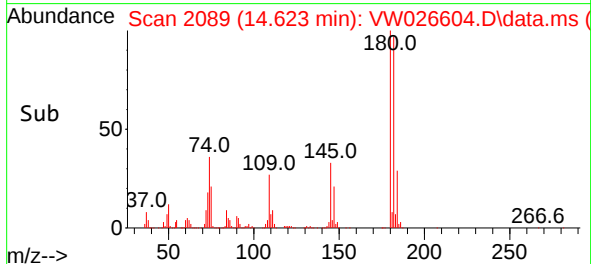
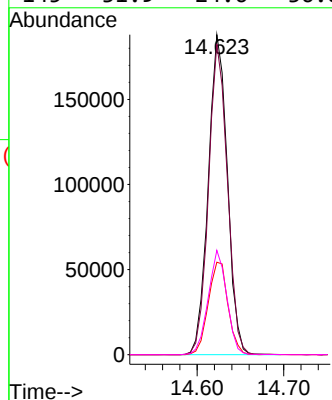
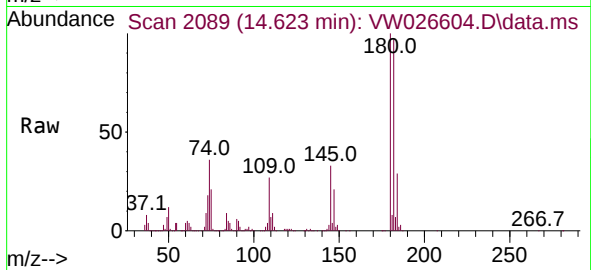
Ion Ratio Lower Upper

180 100

182 95.9 75.8 113.6

184 30.0 23.7 35.5

145 31.9 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 23.110 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

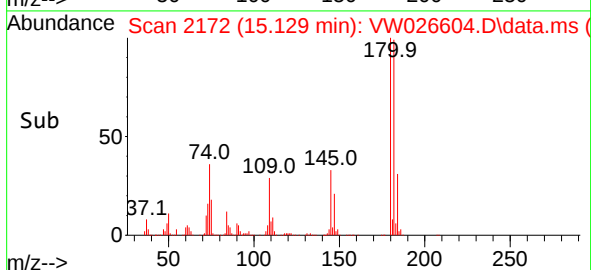
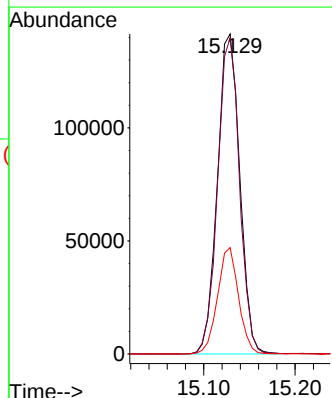
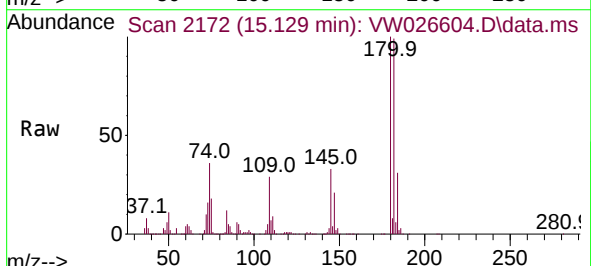
Tgt Ion:180 Resp: 241125

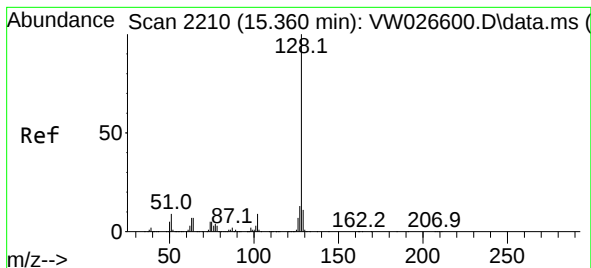
Ion Ratio Lower Upper

180 100

182 96.5 73.5 110.3

145 31.3 25.0 37.6





#71

Naphthalene

Concen: 21.504 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025557

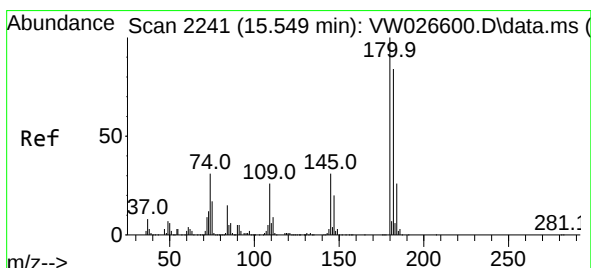
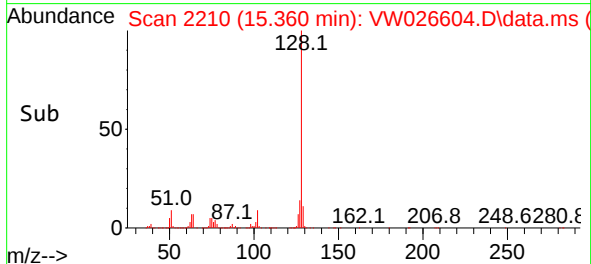
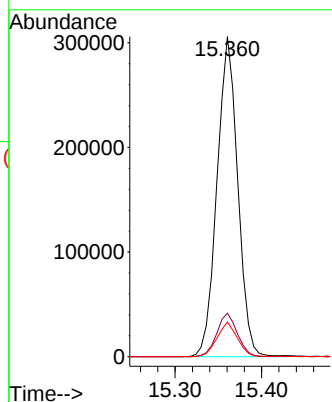
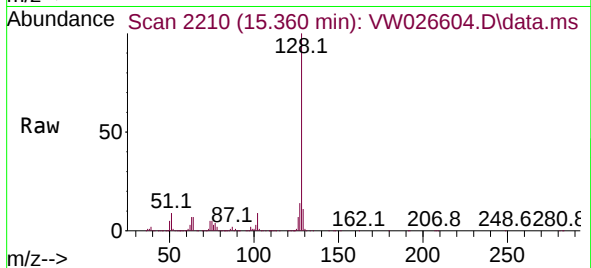
Tgt Ion:128 Resp: 508091

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 22.202 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026604.D

Acq: 12 Jul 2023 12:07

Tgt Ion:180 Resp: 218080

Ion Ratio Lower Upper

180 100

182 93.8 75.2 112.8

145 33.8 26.6 40.0

