

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053123\
 Data File : VW026099.D
 Acq On : 31 May 2023 09:50
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025504

Quant Time: Jun 01 01:23:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:56:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	667428	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	599347	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	292533	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	260034	27.695	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.760%	
7) Chloroethane-d5	2.893	69	177703	25.283	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 101.120%	
11) 1,1-Dichloroethene-d2	4.021	65	124848	26.966	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 107.880%	
21) 2-Butanone-d5	7.075	46	138138	50.534	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 101.060%	
24) Chloroform-d	7.648	84	492607	25.204	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 100.800%	
26) 1,2-Dichloroethane-d4	8.300	65	266222	24.910	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 99.640%	
32) Benzene-d6	8.270	84	1019976	25.291	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 101.160%	
36) 1,2-Dichloropropane-d6	9.270	67	319235	24.986	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 99.960%	
41) Toluene-d8	10.318	98	900893	25.189	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 100.760%	
43) trans-1,3-Dichloroprop...	10.574	79	118814	23.467	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 93.880%	
47) 2-Hexanone-d5	10.922	63	102398	50.828	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 101.660%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	230714	24.815	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 99.240%	
66) 1,2-Dichlorobenzene-d4	13.848	152	267298	23.872	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 95.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	185476	22.669	ug/L	91
3) Chloromethane	2.222	50	269998	25.736	ug/L	97
5) Vinyl chloride	2.375	62	282784	25.217	ug/L	98
6) Bromomethane	2.789	94	152631	24.967	ug/L	100
8) Chloroethane	2.929	64	132850	21.923	ug/L	93
9) Trichlorofluoromethane	3.259	101	173276	24.018	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.063	101	220649	24.238	ug/L	98
12) 1,1-Dichloroethene	4.045	96	211959	24.943	ug/L	81
13) Acetone	4.112	43	111840	52.876	ug/L	98
14) Carbon disulfide	4.386	76	734752	24.493	ug/L	99
15) Methyl Acetate	4.661	43	117886	24.833	ug/L	99
16) Methylene chloride	4.917	84	232402	21.816	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	226736	23.781	ug/L	93
18) Methyl tert-butyl Ether	5.417	73	328141	21.837	ug/L	100
19) 1,1-Dichloroethane	6.209	63	460000	23.699	ug/L	97
20) cis-1,2-Dichloroethene	7.166	96	234454	23.215	ug/L	96
22) 2-Butanone	7.166	43	155263	51.459	ug/L	99
23) Bromochloromethane	7.508	128	101106	23.475	ug/L	97
25) Chloroform	7.672	83	423168	23.407	ug/L	99

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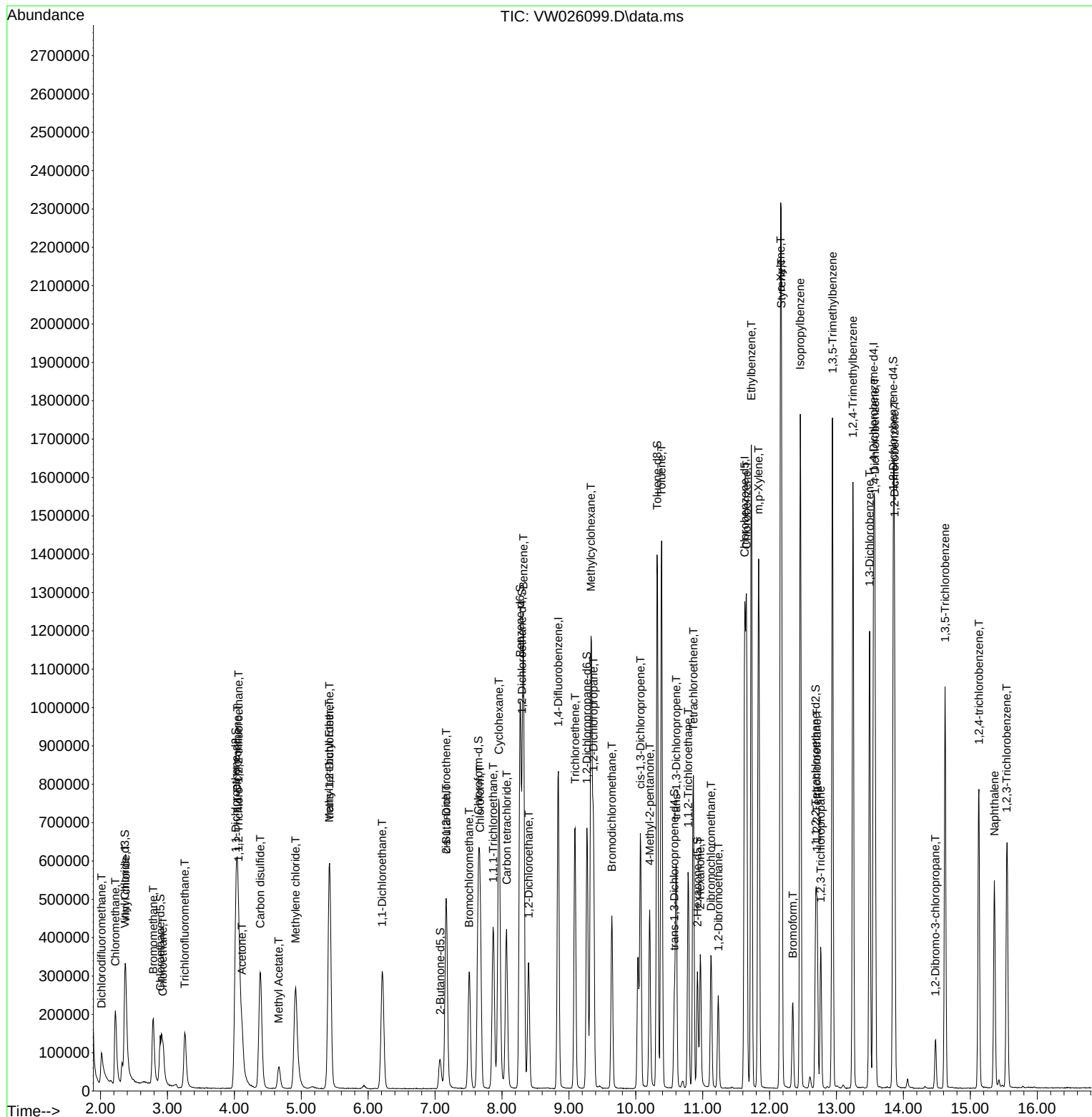
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	291621	23.388	ug/L	98
29) Cyclohexane	7.953	56	446186	24.113	ug/L	99
30) 1,1,1-Trichloroethane	7.867	97	339475	23.340	ug/L	100
31) Carbon tetrachloride	8.069	117	307175	23.144	ug/L	99
33) Benzene	8.319	78	975398	23.757	ug/L	100
34) Trichloroethene	9.093	95	243748	23.185	ug/L	96
35) Methylcyclohexane	9.331	83	455133	24.465	ug/L	99
37) 1,2-Dichloropropane	9.367	63	261931	23.554	ug/L	100
38) Bromodichloromethane	9.642	83	298365	23.094	ug/L	98
39) cis-1,3-Dichloropropene	10.068	75	377741	23.115	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	319217	48.689	ug/L	100
42) Toluene	10.385	91	1006897	23.977	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	314925	23.131	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	173367	23.655	ug/L	97
46) Tetrachloroethene	10.861	164	176354	23.716	ug/L	93
48) 2-Hexanone	10.964	43	230529	49.868	ug/L	99
49) Dibromochloromethane	11.123	129	175358	22.821	ug/L	99
50) 1,2-Dibromoethane	11.233	107	156522	23.065	ug/L	95
51) Chlorobenzene	11.653	112	603583	22.937	ug/L	99
52) Ethylbenzene	11.727	91	1125465	23.758	ug/L	99
53) m,p-Xylene	11.836	106	420602	23.867	ug/L	99
54) o-Xylene	12.165	106	391337	23.527	ug/L	99
55) Styrene	12.178	104	685076	24.008	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	212435	23.950	ug/L	96
59) Bromoform	12.348	173	98363	22.387	ug/L #	99
60) Isopropylbenzene	12.458	105	1078705	23.473	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	153274	23.391	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	861517	23.583	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	792079	23.673	ug/L	100
64) 1,3-Dichlorobenzene	13.494	146	452269	23.407	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	456831	23.483	ug/L	95
67) 1,2-Dichlorobenzene	13.866	146	406467	23.426	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	32835	21.628	ug/L	96
69) 1,3,5-Trichlorobenzene	14.622	180	287852	21.687	ug/L	100
70) 1,2,4-trichlorobenzene	15.128	180	231679	21.154	ug/L	98
71) Naphthalene	15.360	128	430943	22.077	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	201340	21.035	ug/L	97

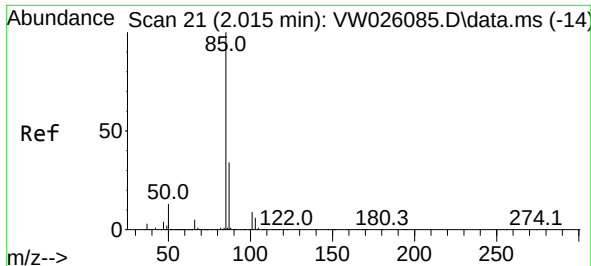
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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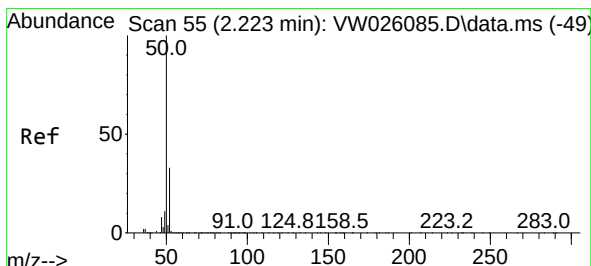
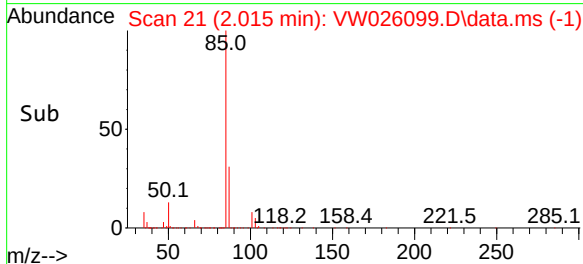
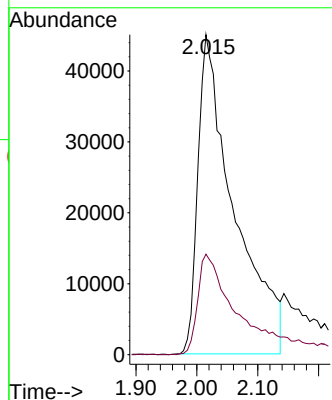
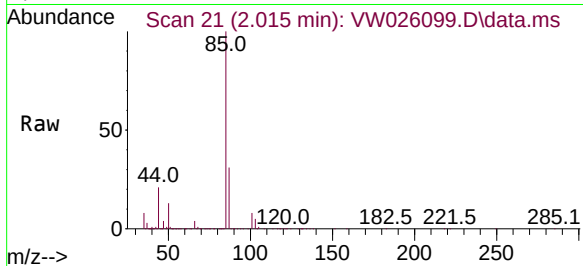




#2
 Dichlorodifluoromethane
 Concen: 22.669 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026099.D
 Acq: 31 May 2023 09:50

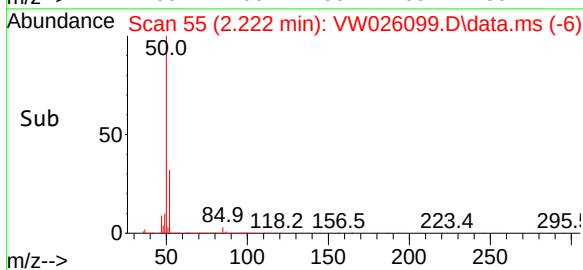
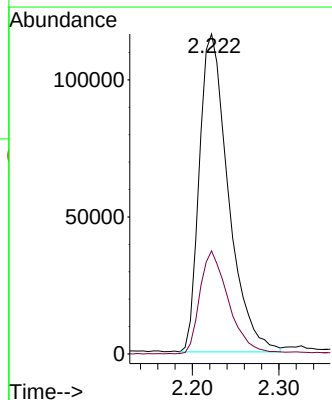
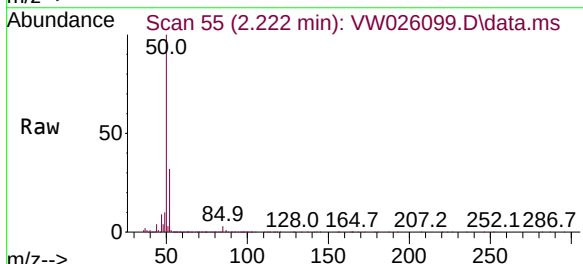
Instrument :
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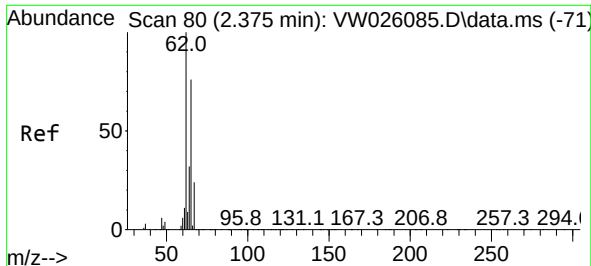
Tgt Ion: 85 Resp: 185476
 Ion Ratio Lower Upper
 85 100
 87 32.3 22.2 33.2



#3
 Chloromethane
 Concen: 25.736 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW026099.D
 Acq: 31 May 2023 09:50

Tgt Ion: 50 Resp: 269998
 Ion Ratio Lower Upper
 50 100
 52 32.2 21.3 39.6

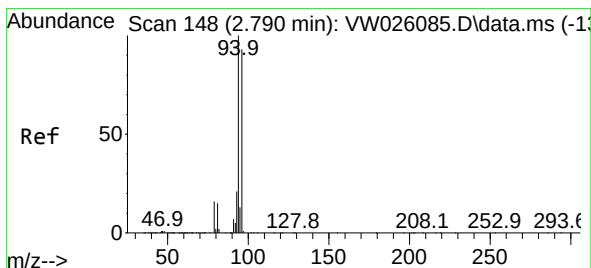
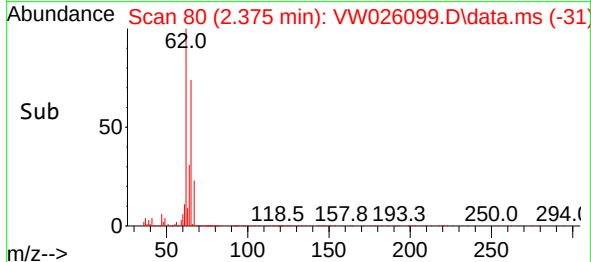
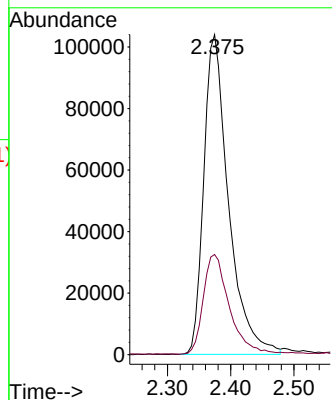
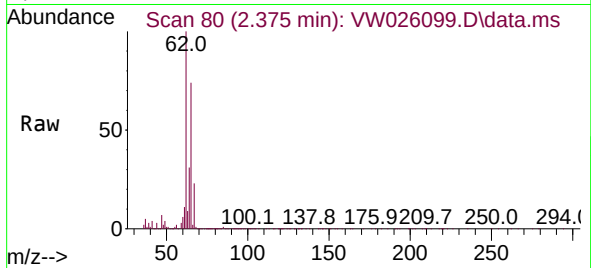




#5
 Vinyl chloride
 Concen: 25.217 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026099.D
 Acq: 31 May 2023 09:50

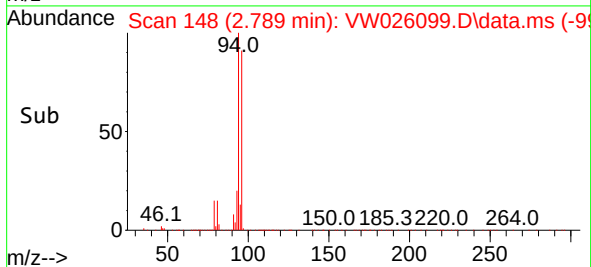
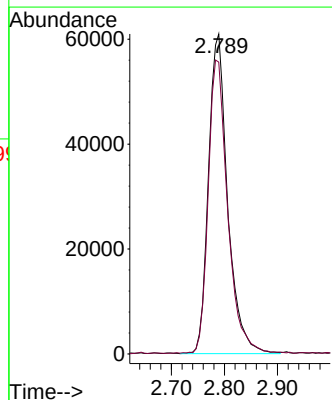
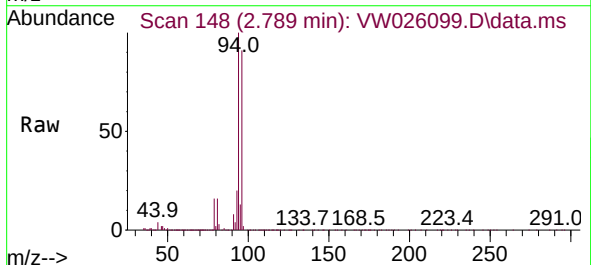
Instrument :
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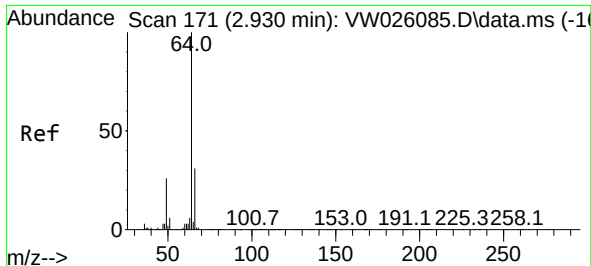
Tgt Ion: 62 Resp: 282784
 Ion Ratio Lower Upper
 62 100
 64 31.3 22.7 42.1



#6
 Bromomethane
 Concen: 24.967 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW026099.D
 Acq: 31 May 2023 09:50

Tgt Ion: 94 Resp: 152631
 Ion Ratio Lower Upper
 94 100
 96 91.2 64.2 119.2

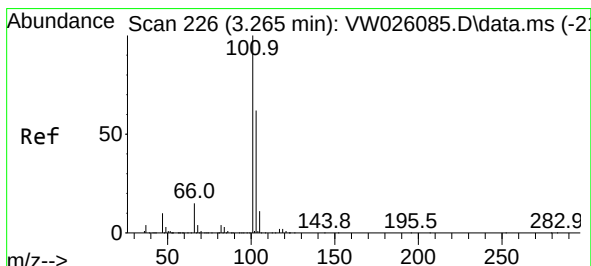
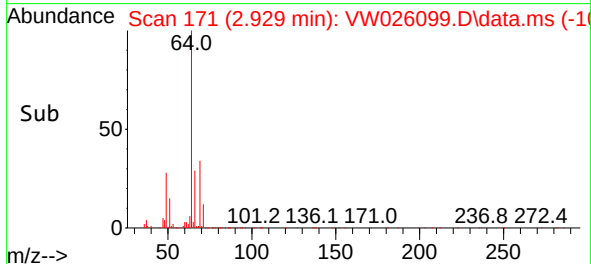
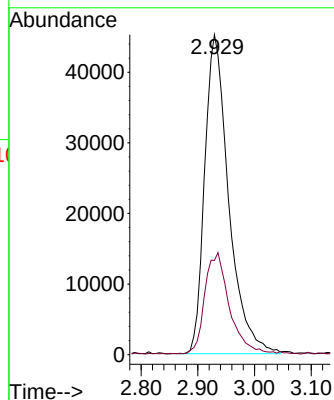
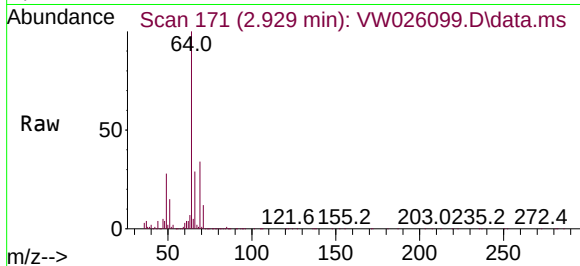




#8
Chloroethane
Concen: 21.923 ug/L
RT: 2.929 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

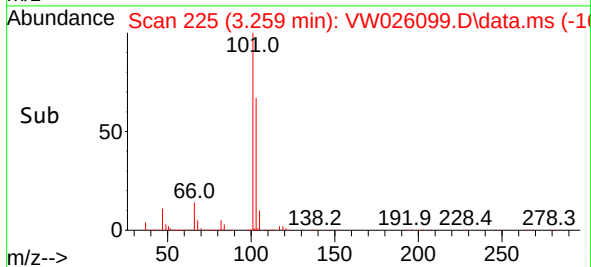
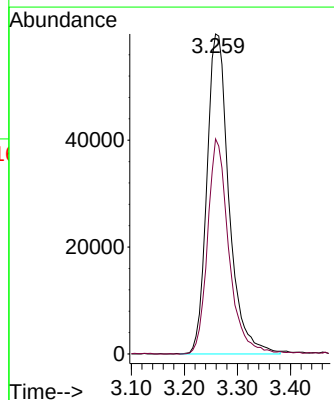
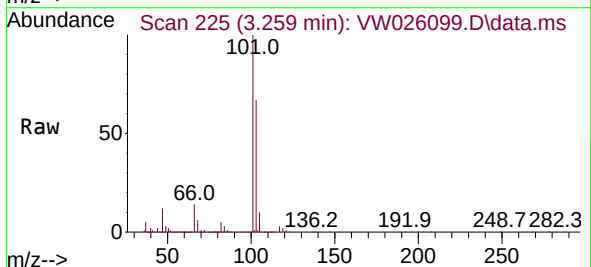
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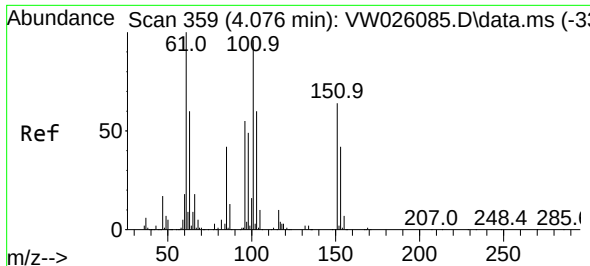
Tgt Ion: 64 Resp: 132850
Ion Ratio Lower Upper
64 100
66 29.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 24.018 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 101 Resp: 173276
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4

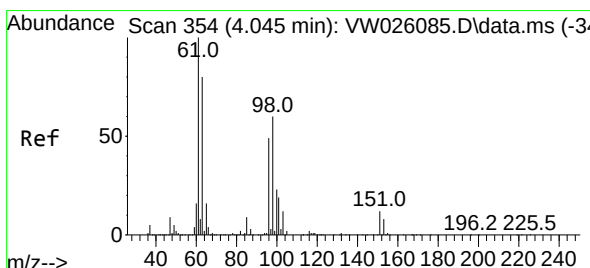
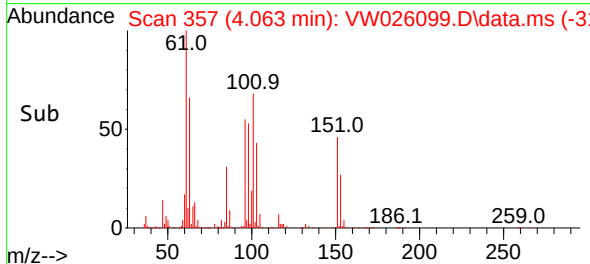
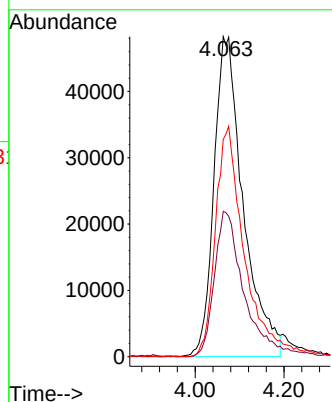
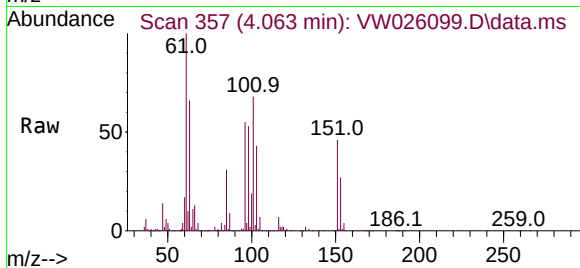




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.238 ug/L
 RT: 4.063 min Scan# 359
 Delta R.T. -0.013 min
 Lab File: VW026099.D
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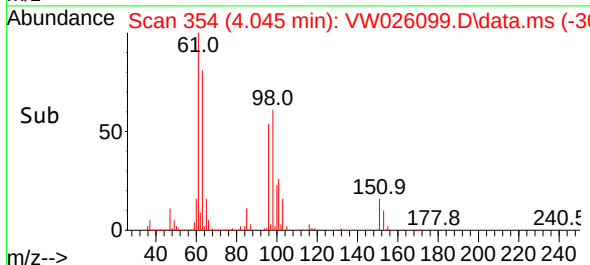
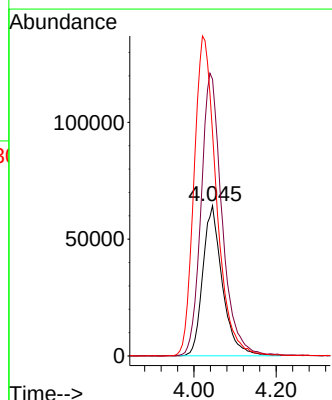
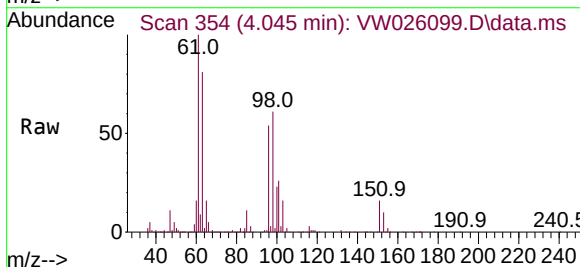
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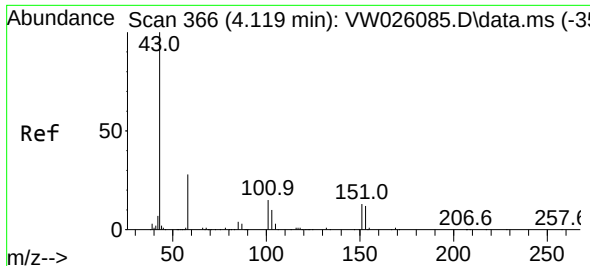
Tgt Ion:101 Resp: 220649
 Ion Ratio Lower Upper
 101 100
 85 44.8 36.1 54.1
 151 70.7 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 24.943 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026099.D
 Acq: 31 May 2023 09:50

Tgt Ion: 96 Resp: 211959
 Ion Ratio Lower Upper
 96 100
 61 184.1 140.6 261.0
 63 148.7 131.7 244.5

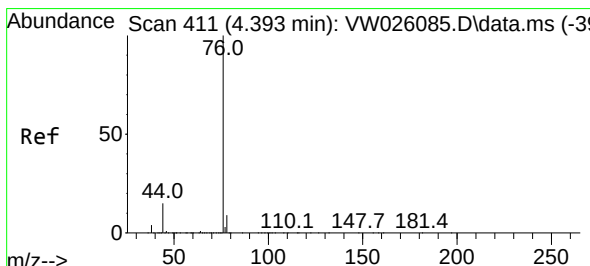
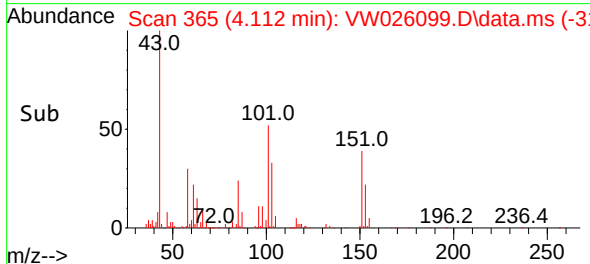
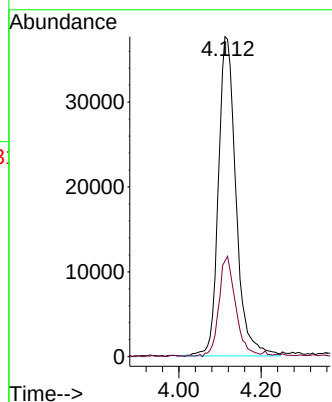
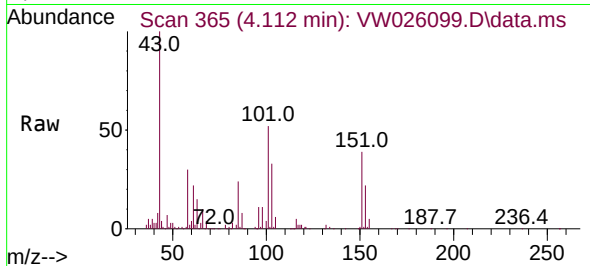




#13
Acetone
Concen: 52.876 ug/L
RT: 4.112 min Scan# 30
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

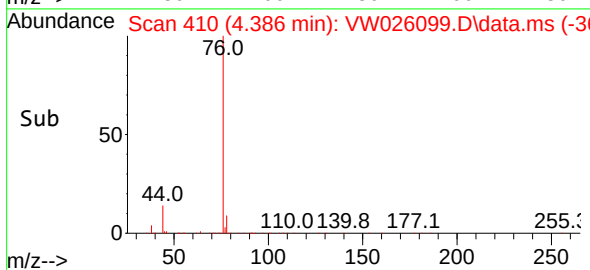
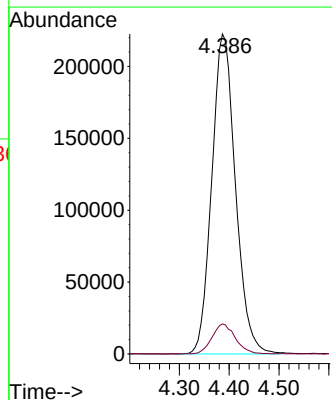
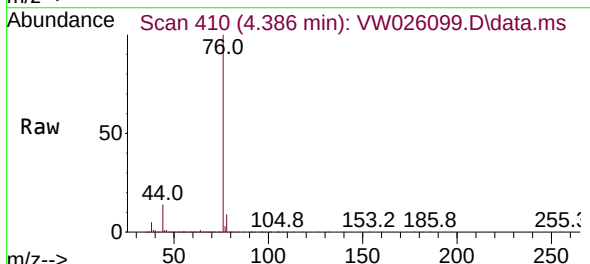
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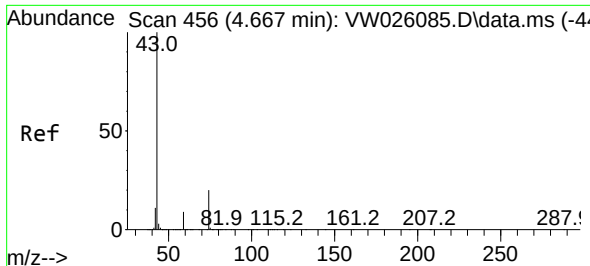
Tgt Ion: 43 Resp: 111840
Ion Ratio Lower Upper
43 100
58 29.9 0.0 58.2



#14
Carbon disulfide
Concen: 24.493 ug/L
RT: 4.386 min Scan# 410
Delta R.T. -0.007 min
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Tgt Ion: 76 Resp: 734752
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

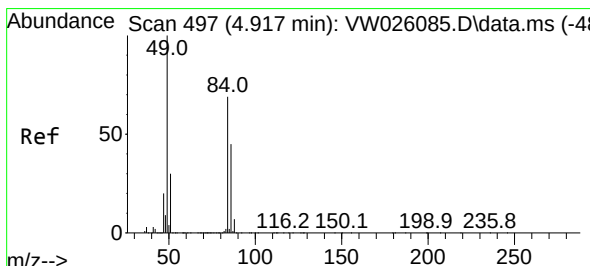
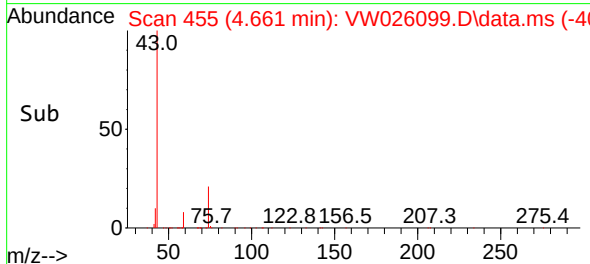
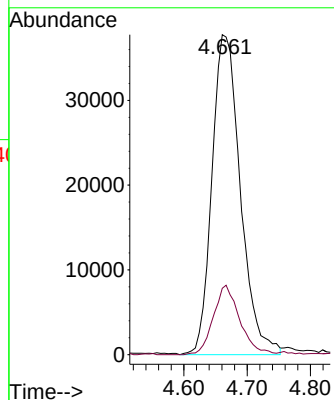
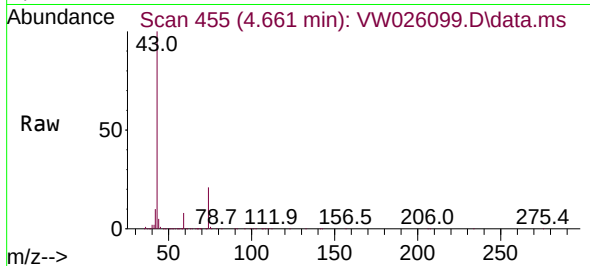




#15
Methyl Acetate
Concen: 24.833 ug/L
RT: 4.661 min Scan# 456
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

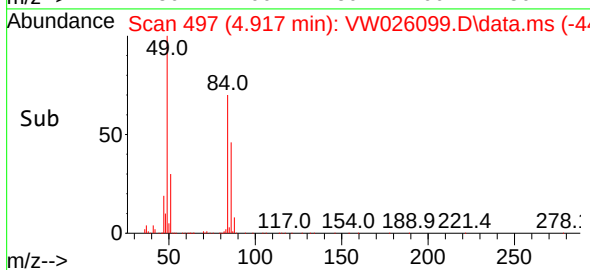
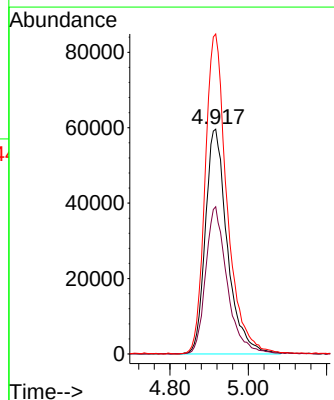
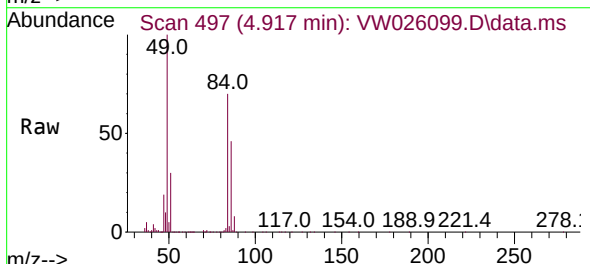
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

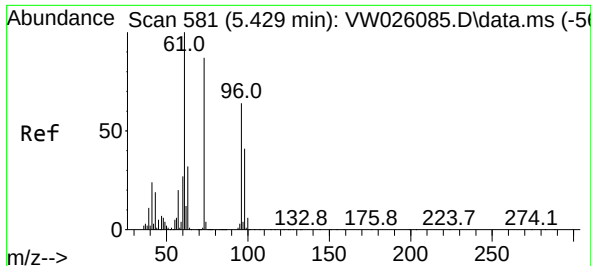
Tgt Ion: 43 Resp: 117886
Ion Ratio Lower Upper
43 100
74 20.1 16.6 25.0



#16
Methylene chloride
Concen: 21.816 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 84 Resp: 232402
Ion Ratio Lower Upper
84 100
86 65.5 44.2 82.0
49 142.3 98.8 183.6

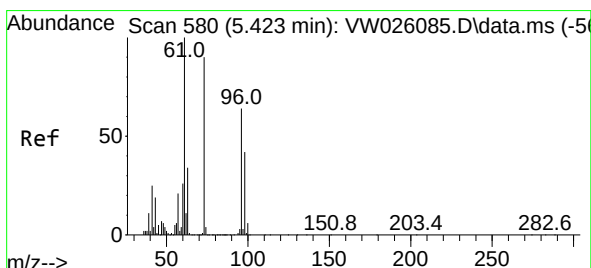
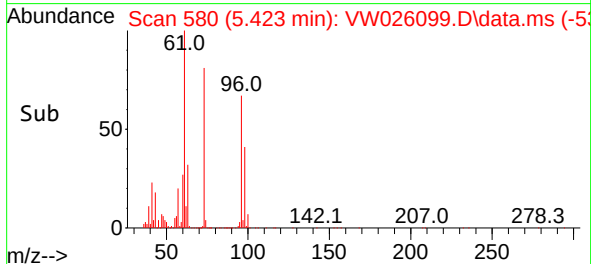
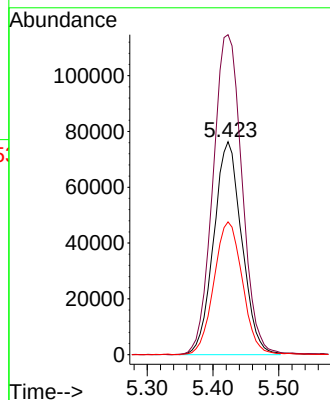
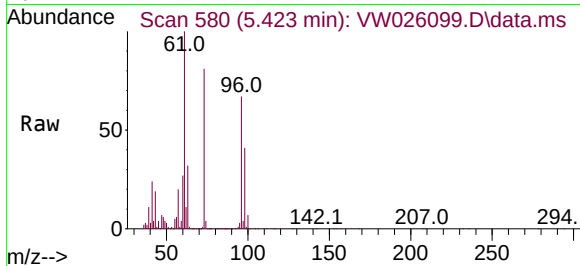




#17
trans-1,2-Dichloroethene
Concen: 23.781 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

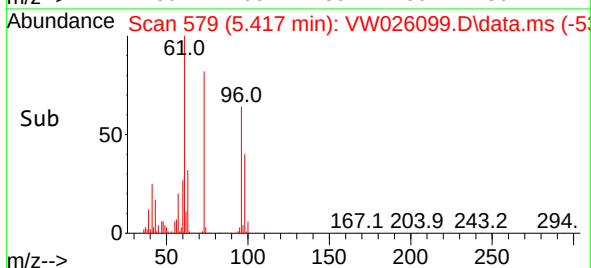
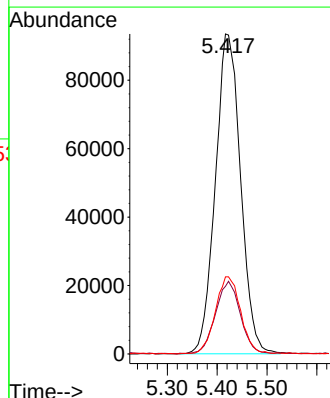
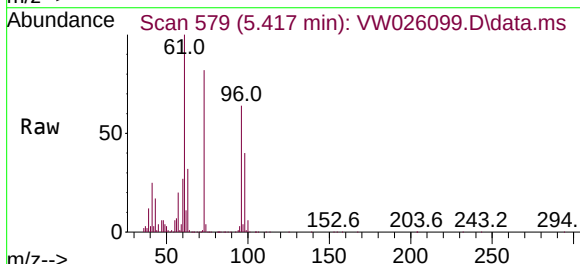
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

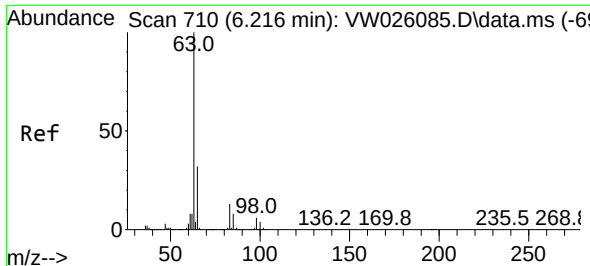
Tgt Ion: 96 Resp: 226736
Ion Ratio Lower Upper
96 100
61 150.3 113.0 209.8
98 62.3 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 21.837 ug/L
RT: 5.417 min Scan# 579
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 73 Resp: 328141
Ion Ratio Lower Upper
73 100
43 22.0 17.8 26.6
57 23.7 18.9 28.3





#19

1,1-Dichloroethane

Concen: 23.699 ug/L

RT: 6.209 min Scan# 710

Delta R.T. -0.007 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025504

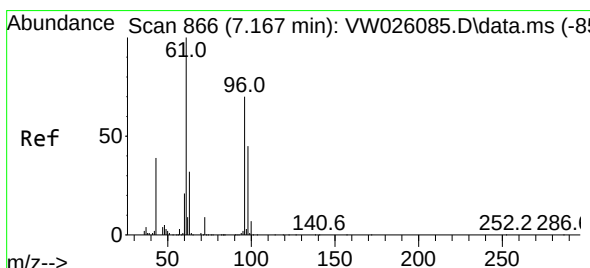
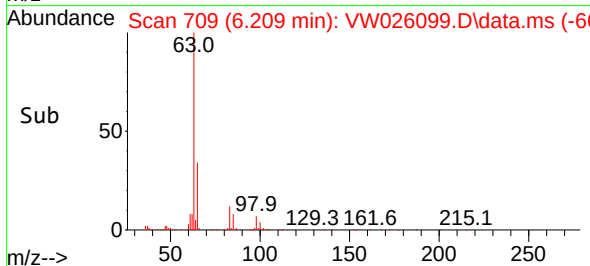
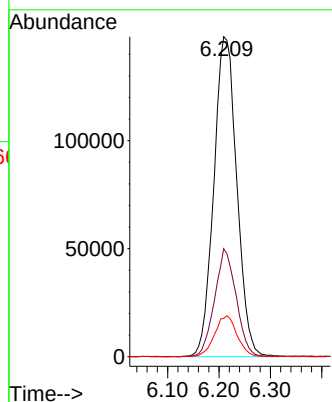
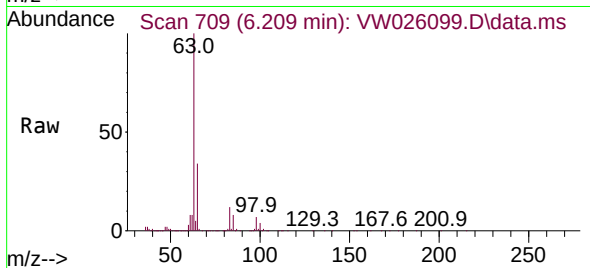
Tgt Ion: 63 Resp: 460000

Ion Ratio Lower Upper

63 100

65 33.7 22.3 41.5

83 12.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 23.215 ug/L

RT: 7.166 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

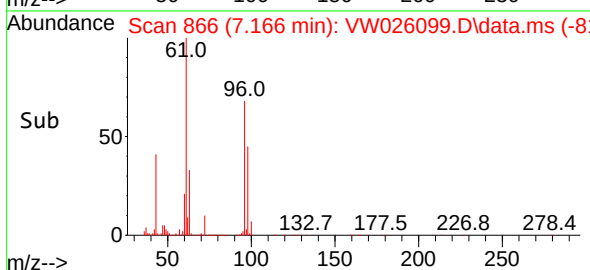
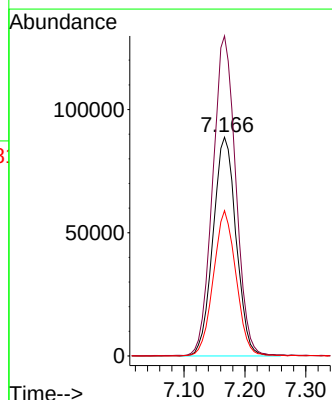
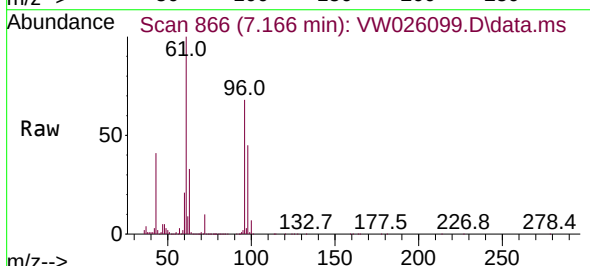
Tgt Ion: 96 Resp: 234454

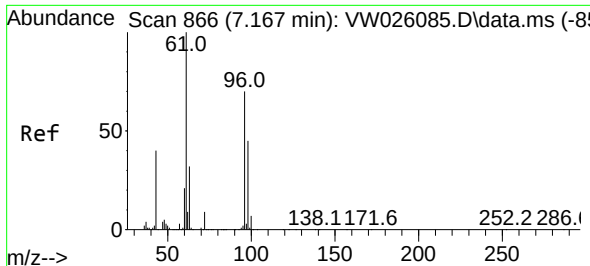
Ion Ratio Lower Upper

96 100

61 146.3 98.4 182.8

98 66.4 45.2 84.0

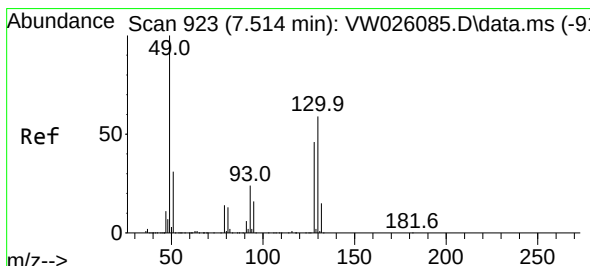
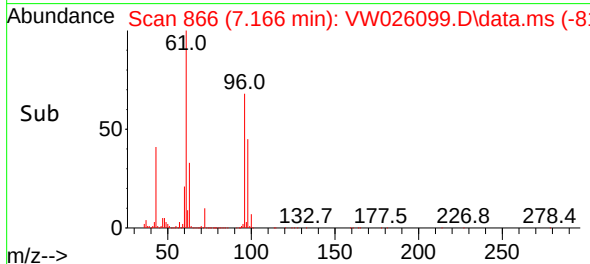
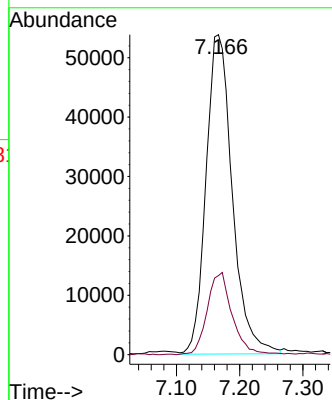
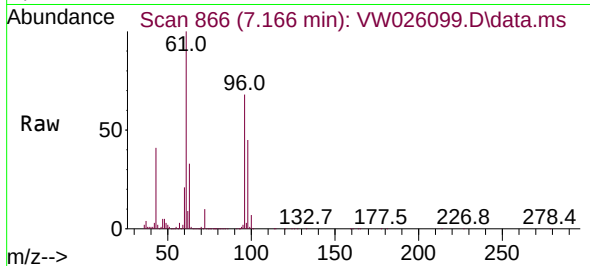




#22
2-Butanone
Concen: 51.459 ug/L
RT: 7.166 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

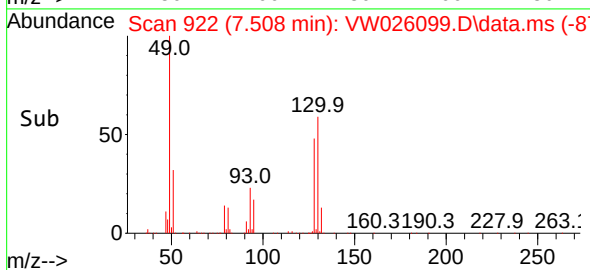
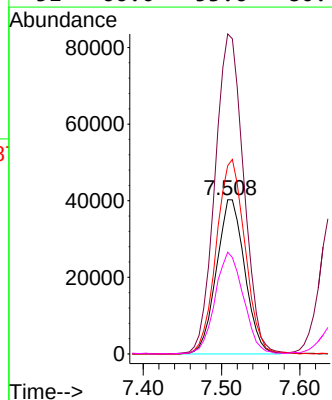
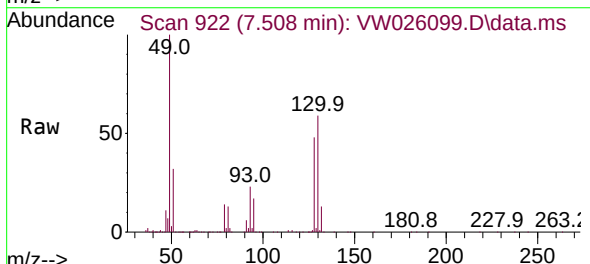
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

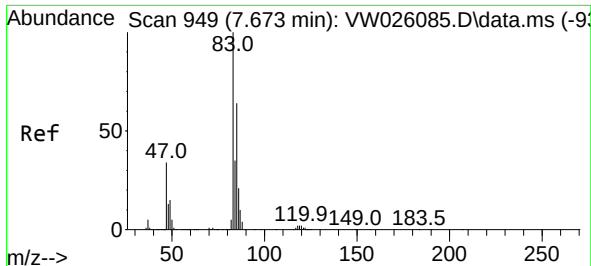
Tgt Ion: 43 Resp: 155263
Ion Ratio Lower Upper
43 100
72 24.2 12.4 37.4



#23
Bromochloromethane
Concen: 23.475 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 128 Resp: 101106
Ion Ratio Lower Upper
128 100
49 207.5 140.6 261.0
130 122.1 86.0 159.6
51 66.0 53.6 80.4

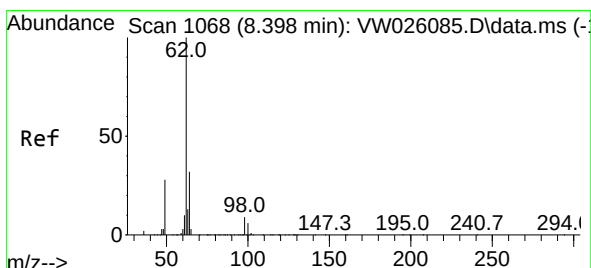
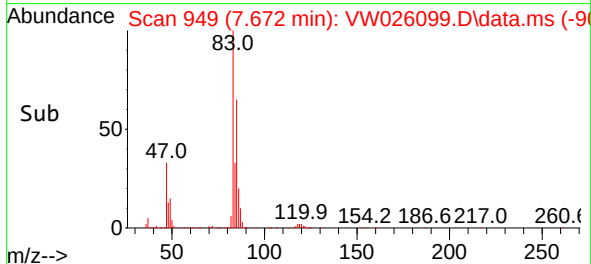
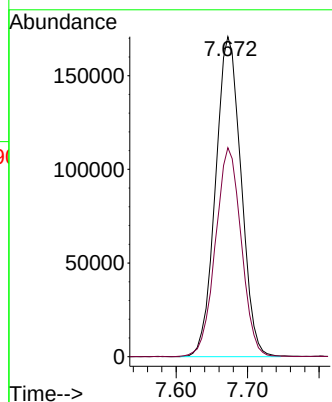
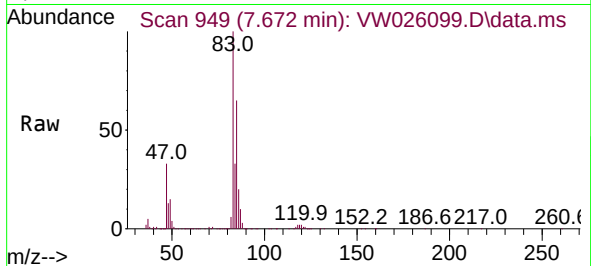




#25
Chloroform
Concen: 23.407 ug/L
RT: 7.672 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

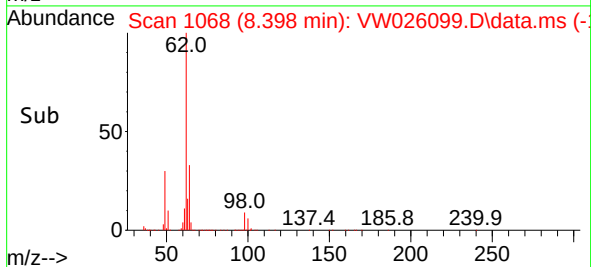
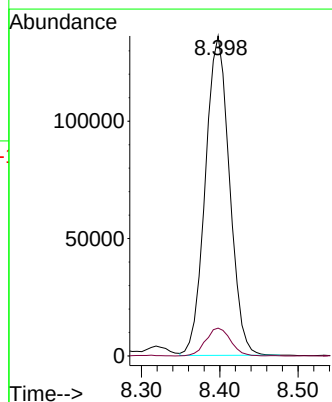
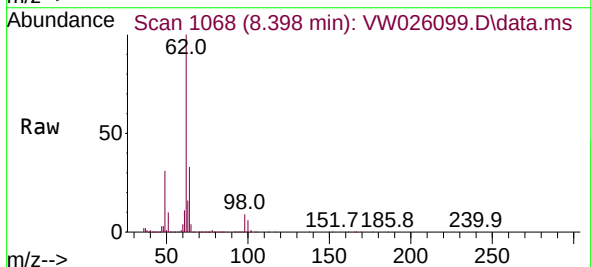
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

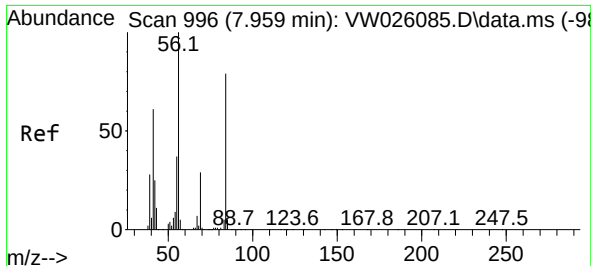
Tgt Ion: 83 Resp: 423168
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.7



#27
1,2-Dichloroethane
Concen: 23.388 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 62 Resp: 291621
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.2

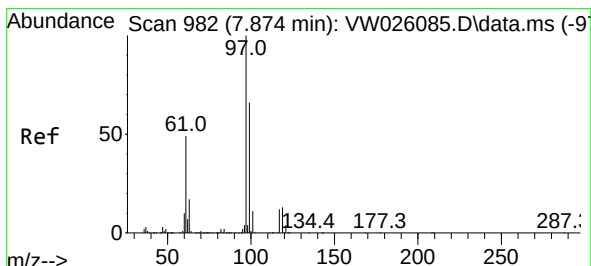
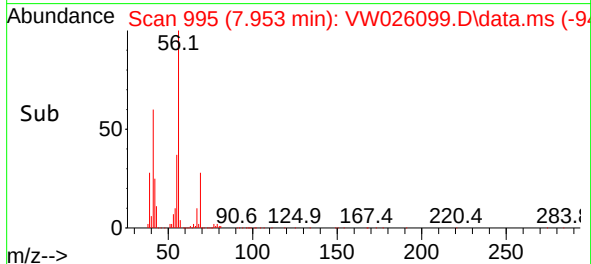
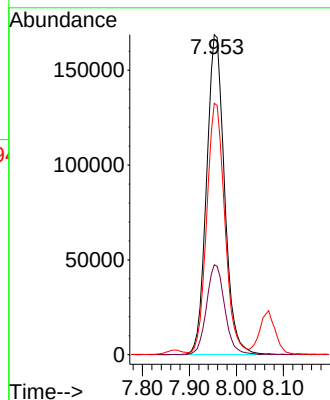
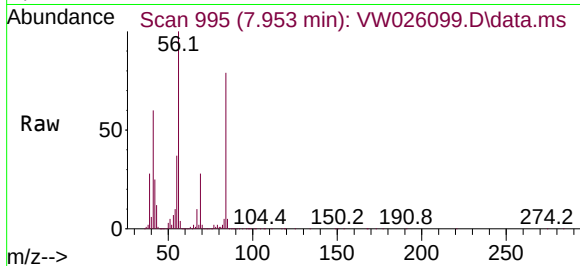




#29
Cyclohexane
Concen: 24.113 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

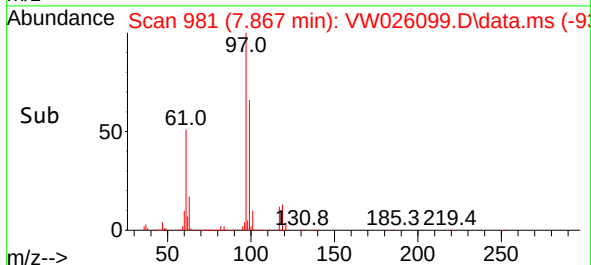
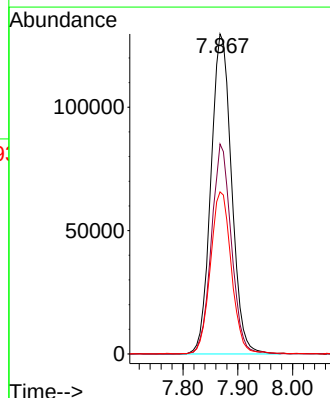
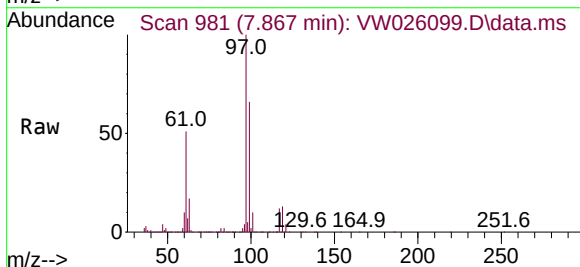
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

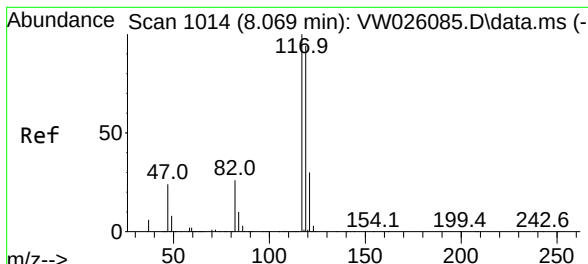
Tgt Ion: 56 Resp: 446186
Ion Ratio Lower Upper
56 100
69 28.6 23.3 34.9
84 79.4 63.0 94.6



#30
1,1,1-Trichloroethane
Concen: 23.340 ug/L
RT: 7.867 min Scan# 981
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 97 Resp: 339475
Ion Ratio Lower Upper
97 100
99 63.4 50.6 76.0
61 50.9 40.5 60.7

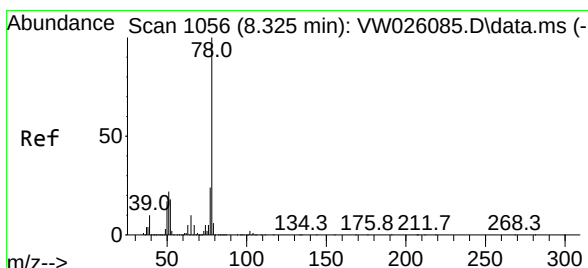
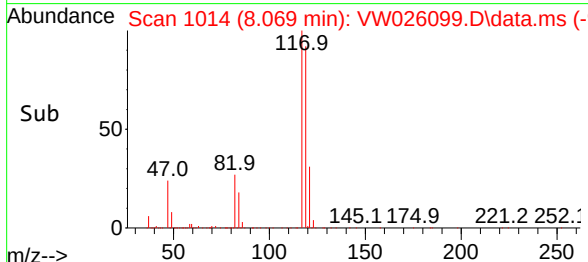
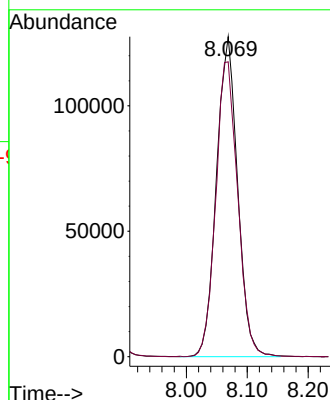
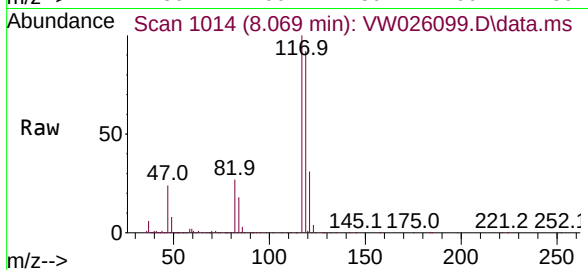




#31
Carbon tetrachloride
Concen: 23.144 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

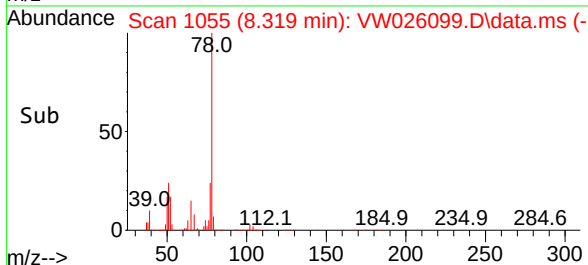
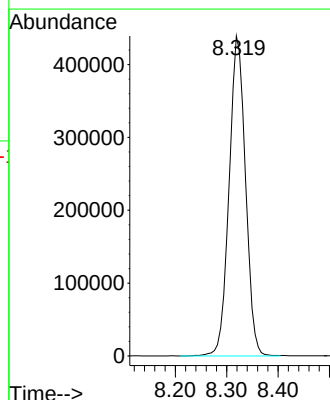
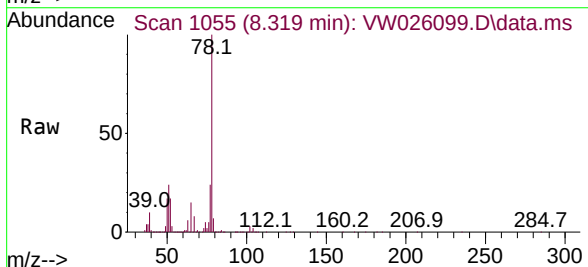
Instrument : MSVOA_W
ClientSampleId : VSTD025504

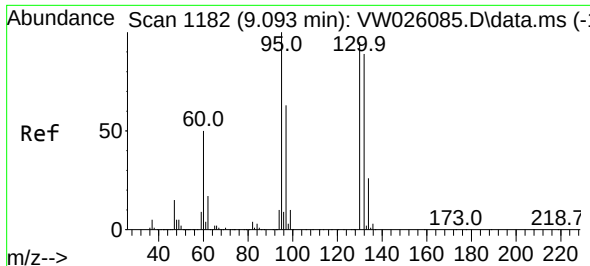
Tgt Ion:117 Resp: 307175
Ion Ratio Lower Upper
117 100
119 95.9 77.4 116.2



#33
Benzene
Concen: 23.757 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 78 Resp: 975398

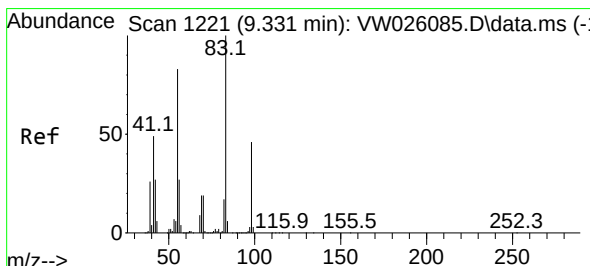
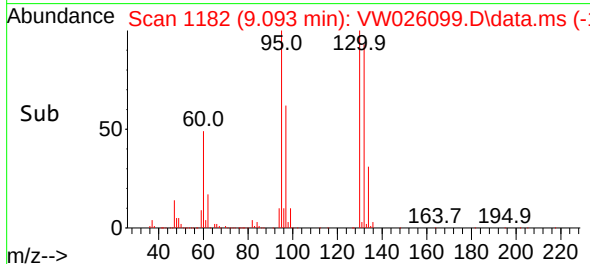
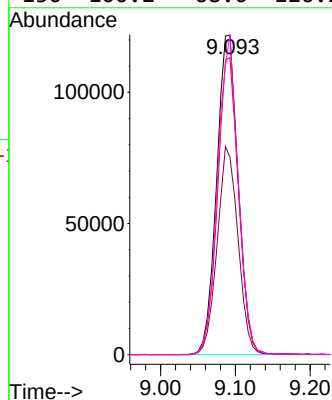
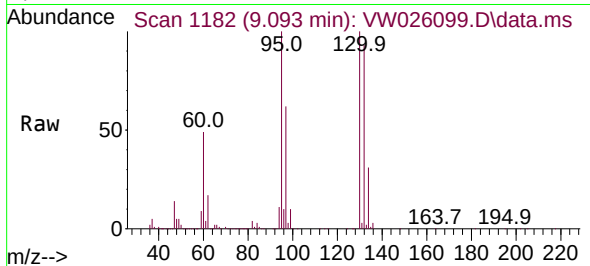




#34
 Trichloroethene
 Concen: 23.185 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. -0.000 min
 Lab File: VW026099.D
 Acq: 31 May 2023 09:50

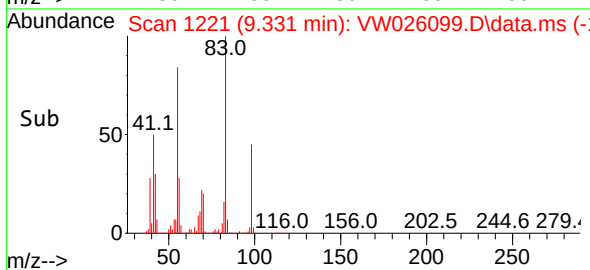
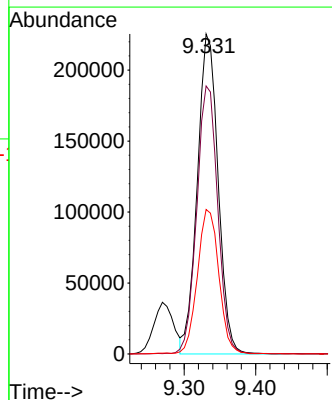
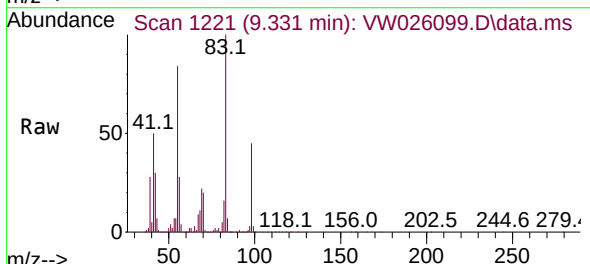
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025504

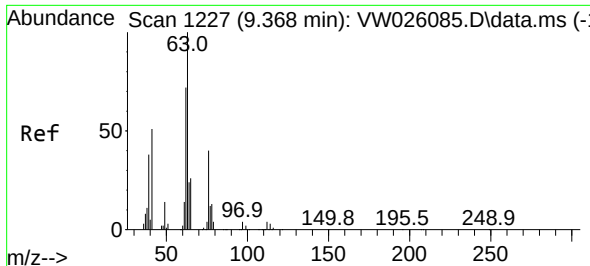
Tgt Ion: 95 Resp: 243748
 Ion Ratio Lower Upper
 95 100
 97 61.8 45.9 85.3
 132 93.0 67.1 124.7
 130 100.2 68.0 126.2



#35
 Methylcyclohexane
 Concen: 24.465 ug/L
 RT: 9.331 min Scan# 1221
 Delta R.T. -0.000 min
 Lab File: VW026099.D
 Acq: 31 May 2023 09:50

Tgt Ion: 83 Resp: 455133
 Ion Ratio Lower Upper
 83 100
 55 84.5 68.2 102.4
 98 46.3 38.1 57.1





#37

1,2-Dichloropropane

Concen: 23.554 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

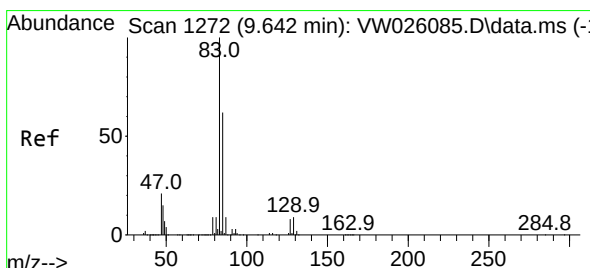
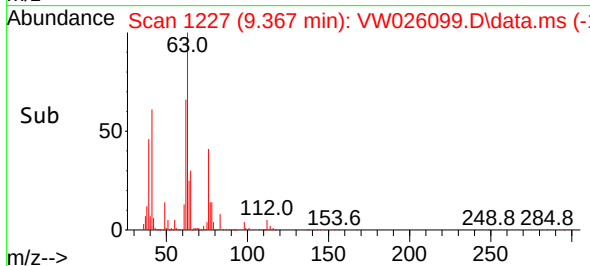
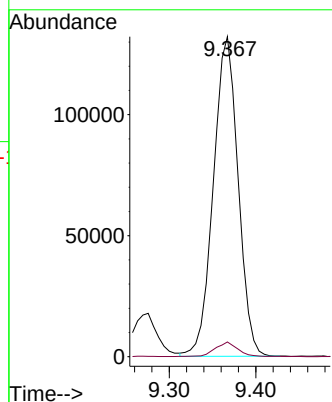
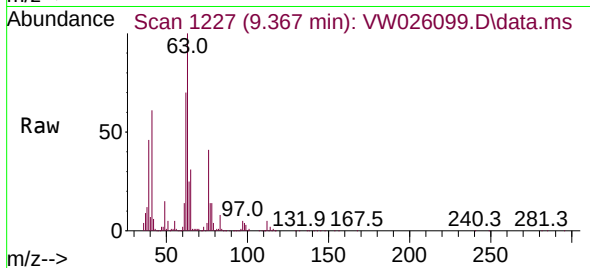
VSTD025504

Tgt Ion: 63 Resp: 261931

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 23.094 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

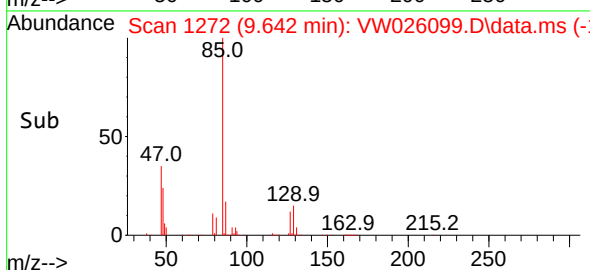
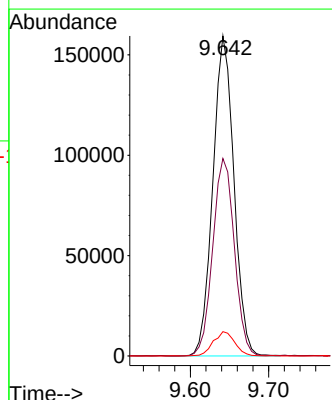
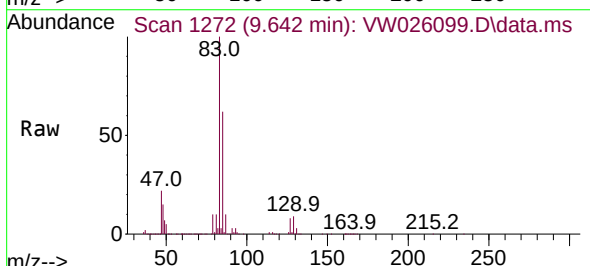
Tgt Ion: 83 Resp: 298365

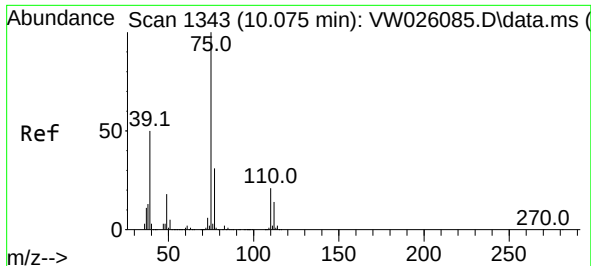
Ion Ratio Lower Upper

83 100

85 61.7 44.2 82.0

127 7.6 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 23.115 ug/L

RT: 10.068 min Scan# 1342

Delta R.T. -0.007 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

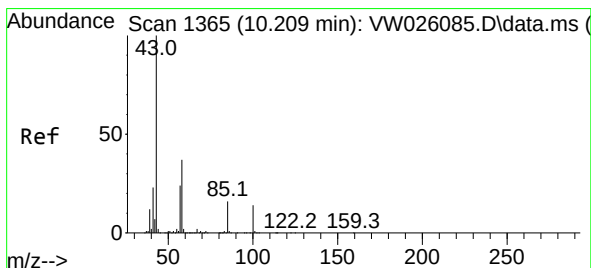
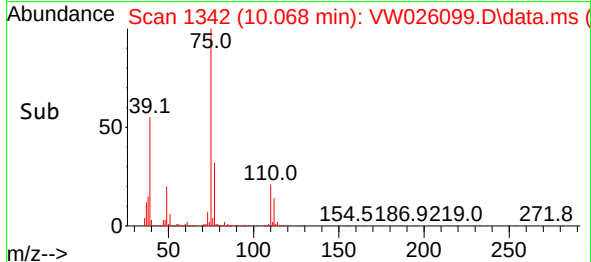
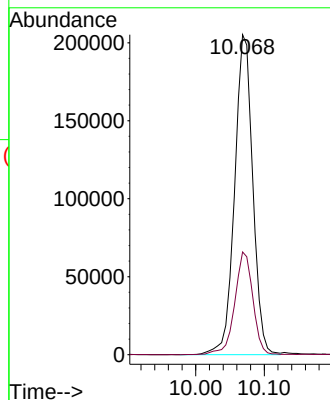
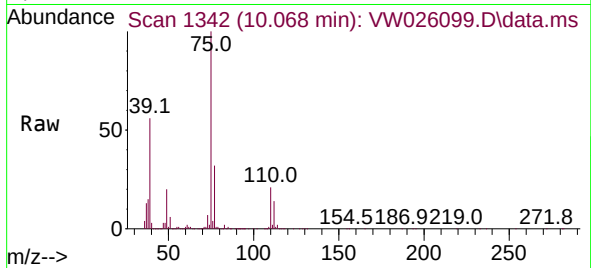
VSTD025504

Tgt Ion: 75 Resp: 377741

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 48.689 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

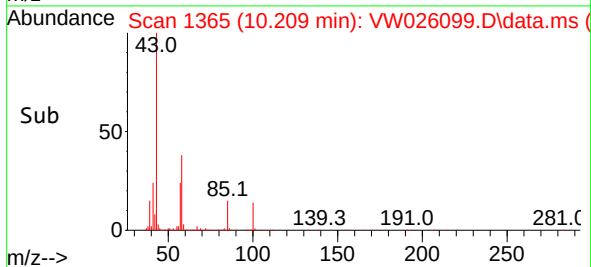
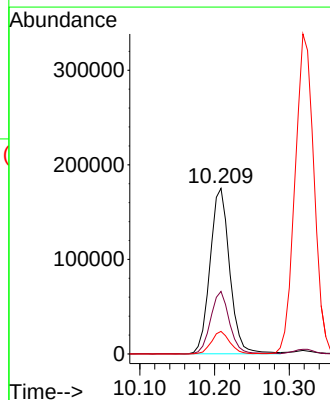
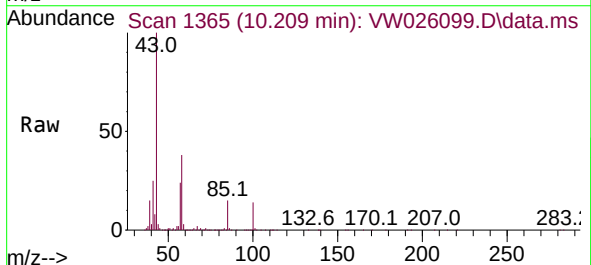
Tgt Ion: 43 Resp: 319217

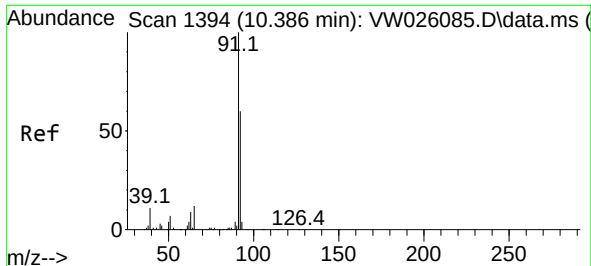
Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.4

100 12.9 10.5 15.7

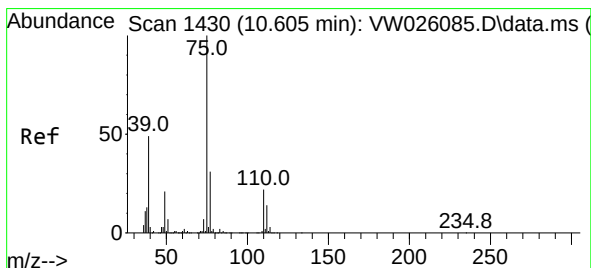
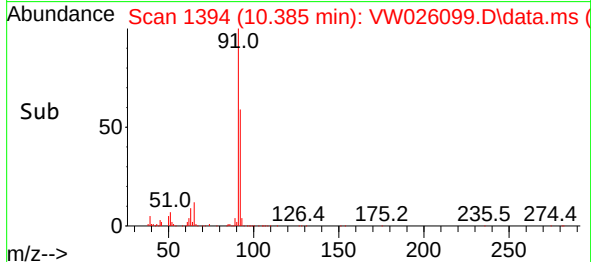
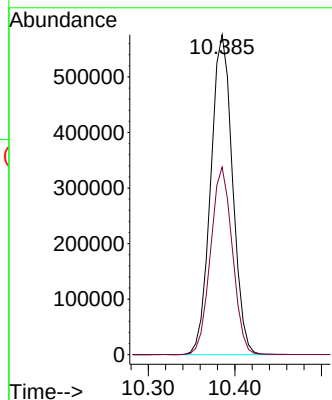
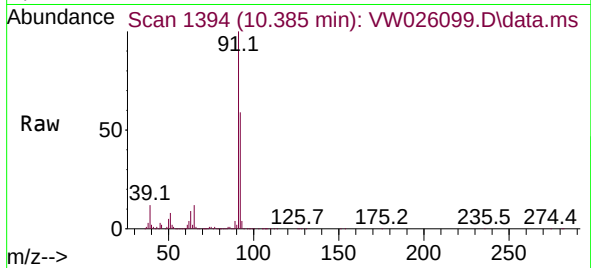




#42
Toluene
Concen: 23.977 ug/L
RT: 10.385 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

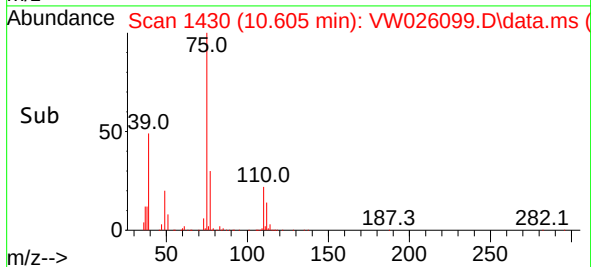
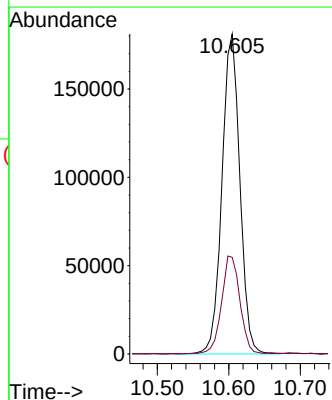
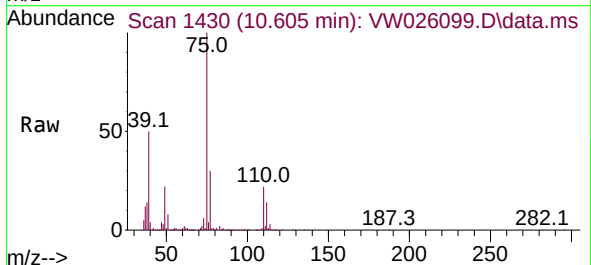
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

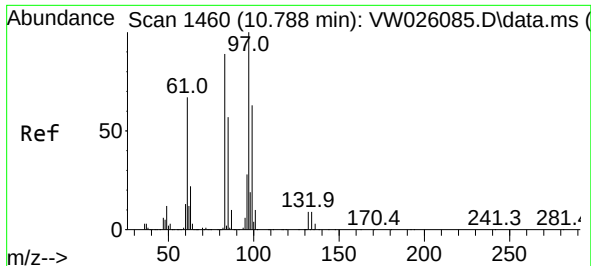
Tgt Ion: 91 Resp: 1006897
Ion Ratio Lower Upper
91 100
92 58.6 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 23.131 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 75 Resp: 314925
Ion Ratio Lower Upper
75 100
77 30.2 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 23.655 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.007 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025504

Tgt Ion: 97 Resp: 173367

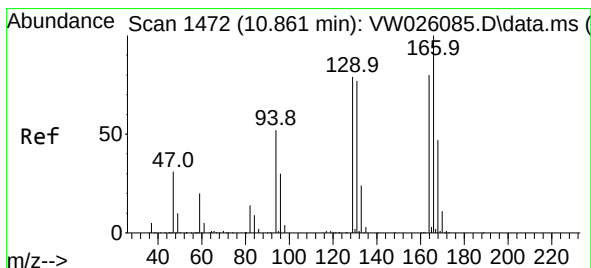
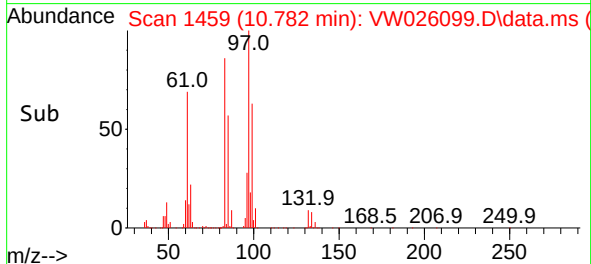
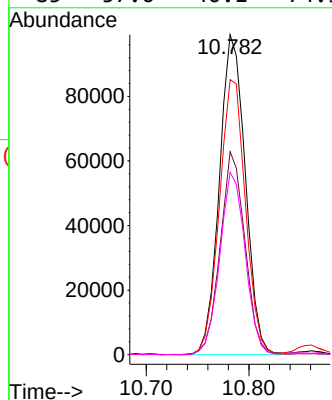
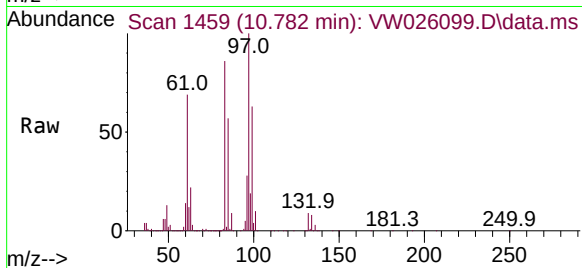
Ion Ratio Lower Upper

97 100

99 63.5 43.3 80.5

83 85.9 62.9 116.9

85 57.0 40.1 74.5



#46

Tetrachloroethene

Concen: 23.716 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Tgt Ion:164 Resp: 176354

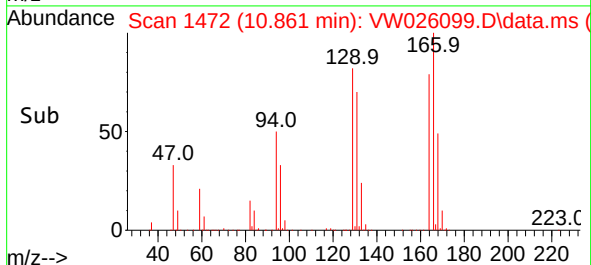
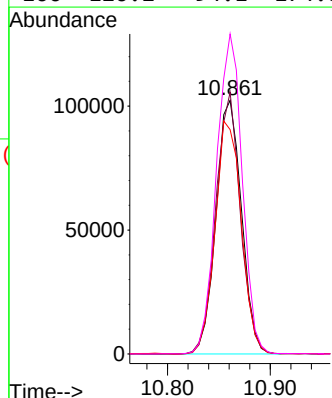
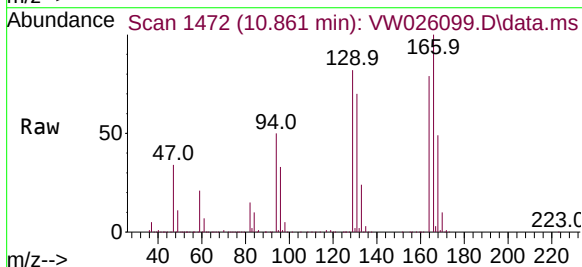
Ion Ratio Lower Upper

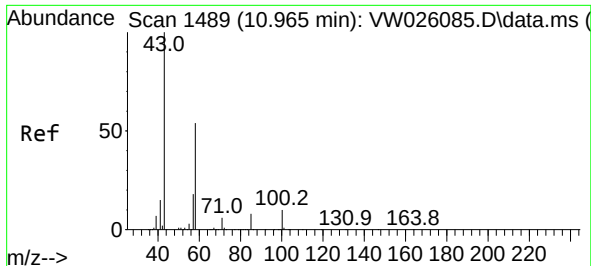
164 100

129 103.2 68.5 127.1

131 88.4 67.1 124.7

166 126.2 94.1 174.8

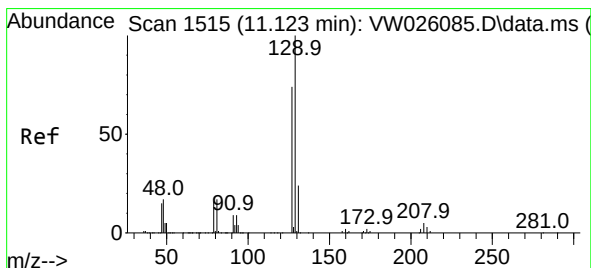
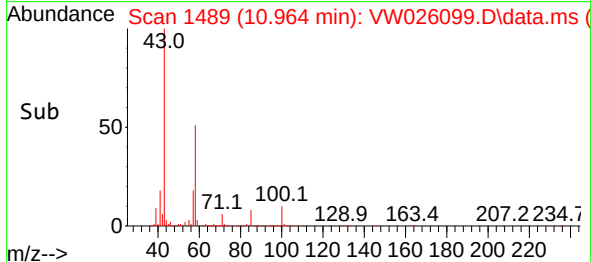
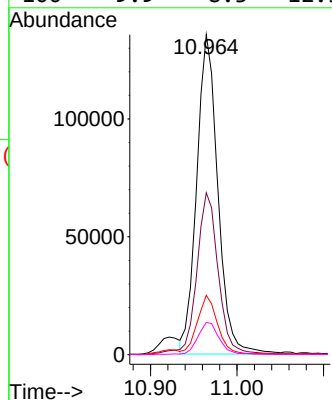
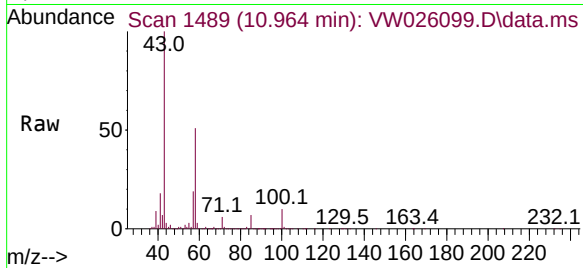




#48
2-Hexanone
Concen: 49.868 ug/L
RT: 10.964 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

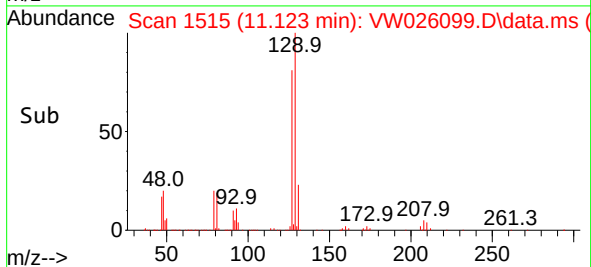
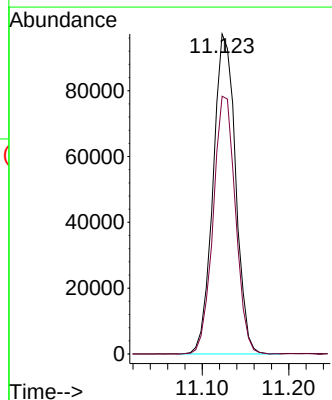
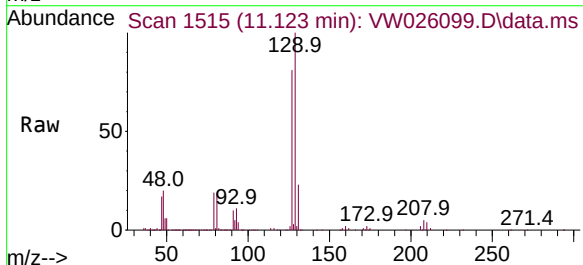
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

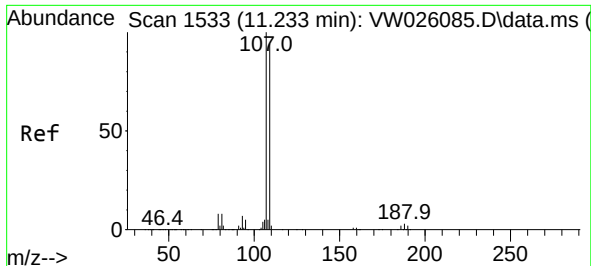
Tgt Ion: 43 Resp: 230529
Ion Ratio Lower Upper
43 100
58 51.6 42.2 63.2
57 17.2 14.2 21.2
100 9.9 8.3 12.5



#49
Dibromochloromethane
Concen: 22.821 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 129 Resp: 175358
Ion Ratio Lower Upper
129 100
127 80.6 56.9 105.7





#50

1,2-Dibromoethane

Concen: 23.065 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025504

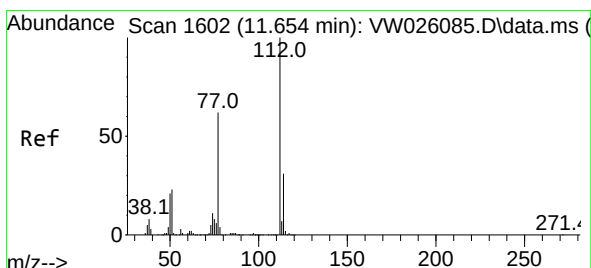
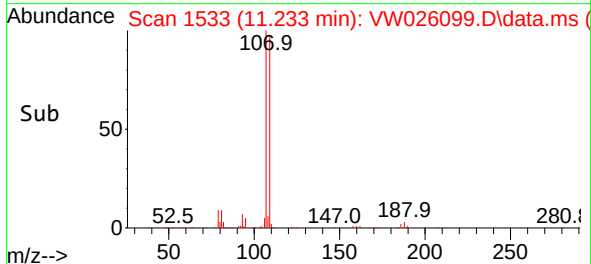
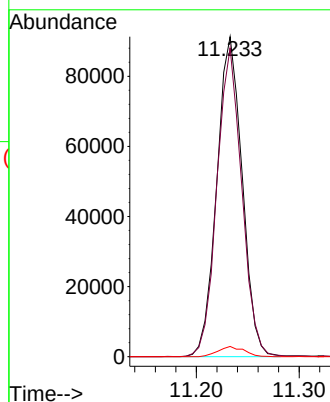
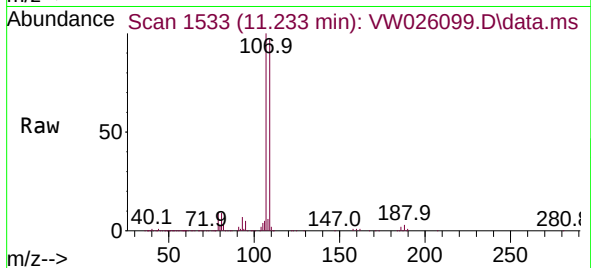
Tgt Ion:107 Resp: 156522

Ion Ratio Lower Upper

107 100

109 96.5 64.0 119.0

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 22.937 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

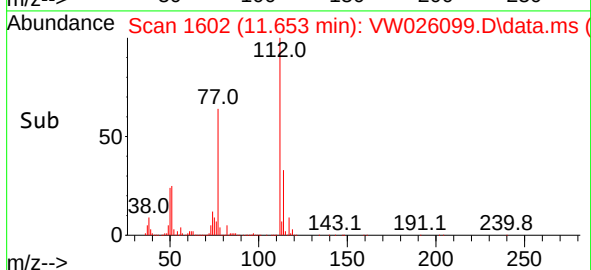
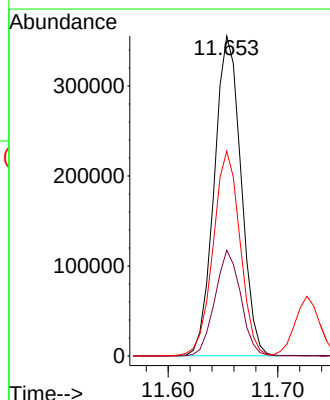
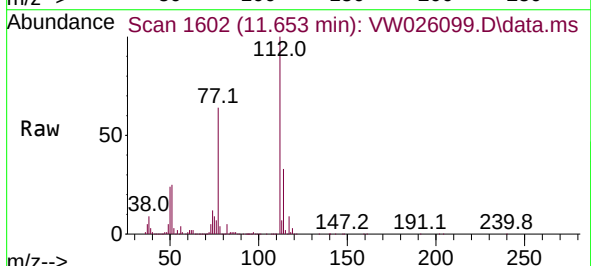
Tgt Ion:112 Resp: 603583

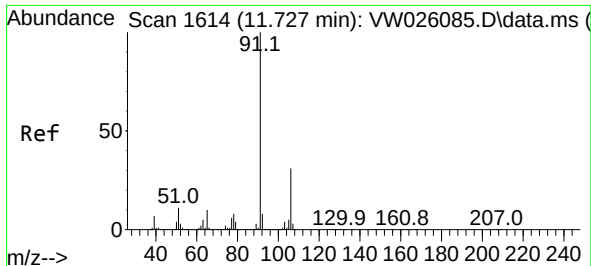
Ion Ratio Lower Upper

112 100

114 33.1 23.0 42.6

77 64.0 50.9 76.3

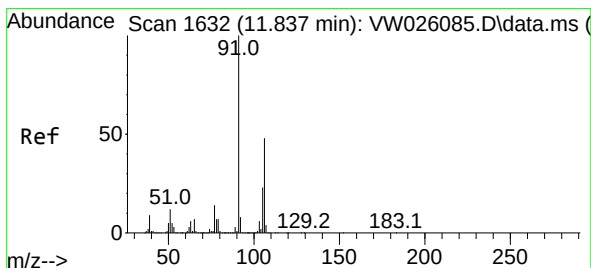
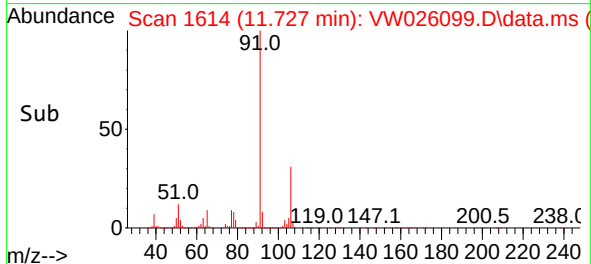
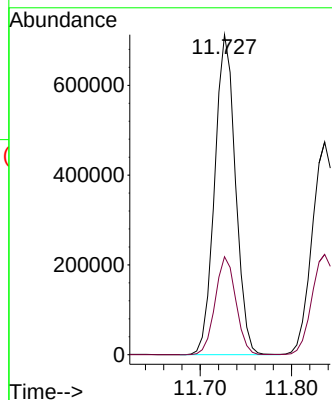
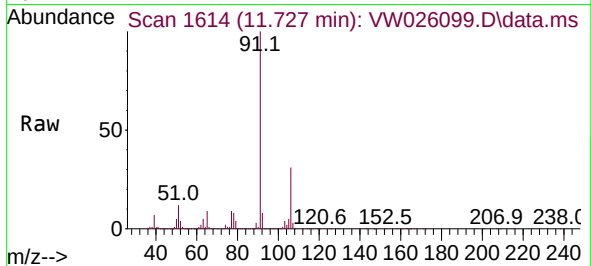




#52
Ethylbenzene
Concen: 23.758 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

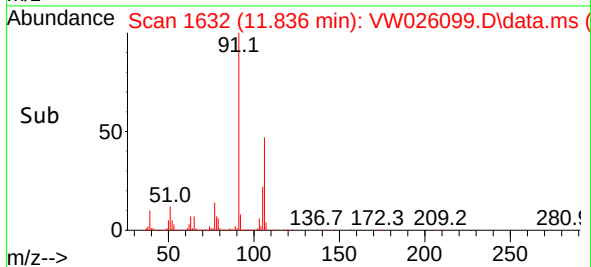
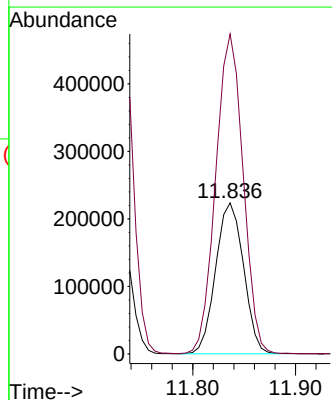
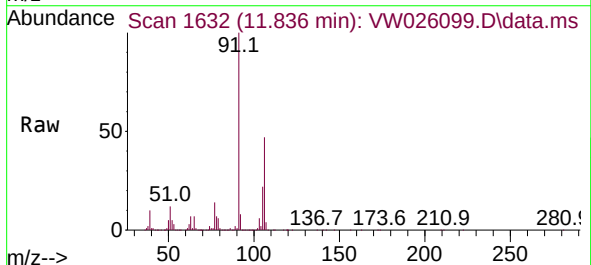
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

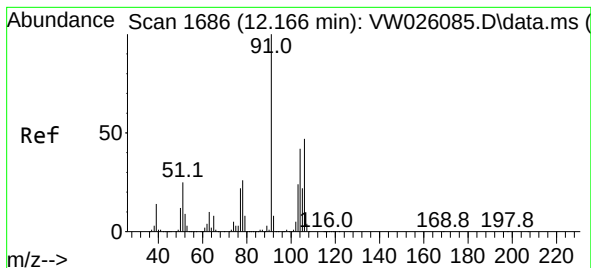
Tgt Ion: 91 Resp: 1125465
Ion Ratio Lower Upper
91 100
106 30.6 21.2 39.4



#53
m,p-Xylene
Concen: 23.867 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion:106 Resp: 420602
Ion Ratio Lower Upper
106 100
91 212.0 149.5 277.7





#54

o-Xylene

Concen: 23.527 ug/L

RT: 12.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

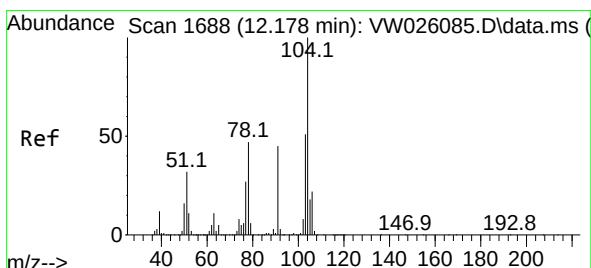
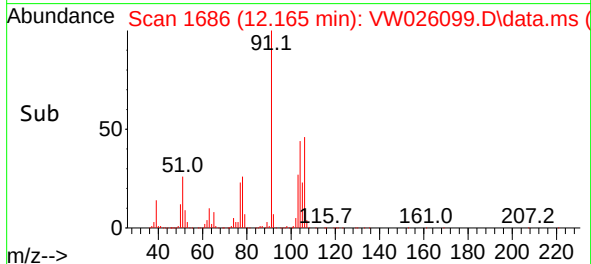
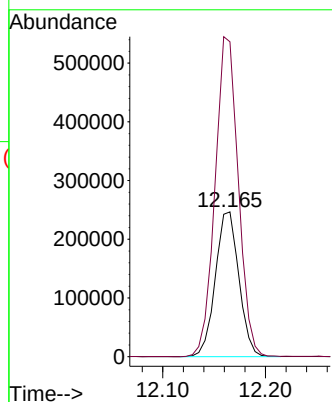
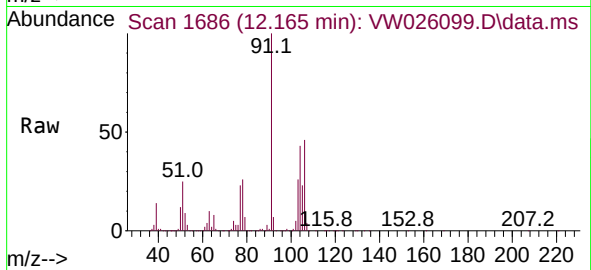
VSTD025504

Tgt Ion:106 Resp: 391337

Ion Ratio Lower Upper

106 100

91 217.4 150.9 280.3



#55

Styrene

Concen: 24.008 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW026099.D

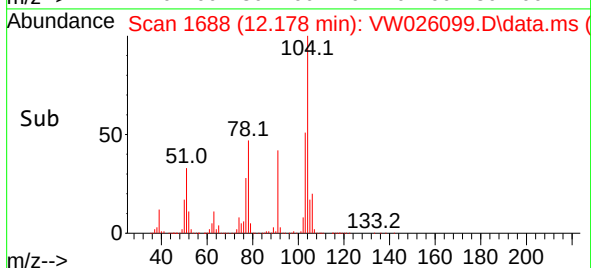
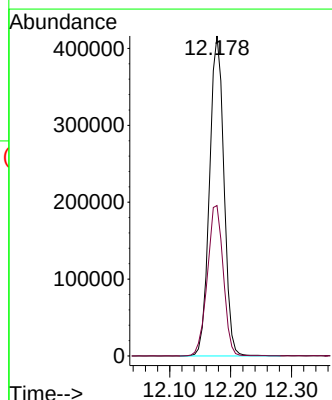
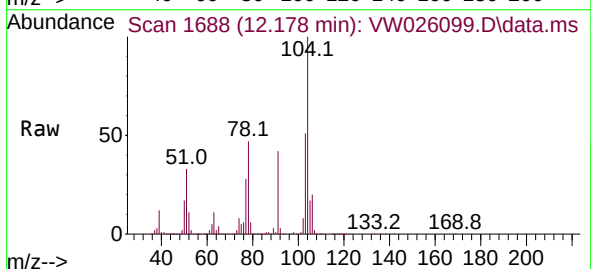
Acq: 31 May 2023 09:50

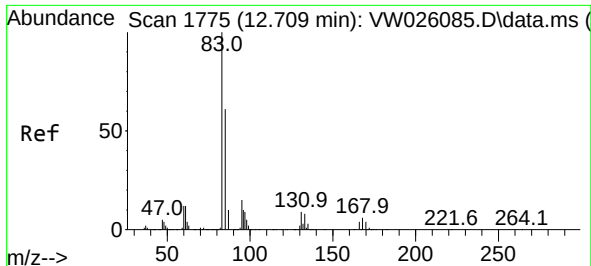
Tgt Ion:104 Resp: 685076

Ion Ratio Lower Upper

104 100

78 47.0 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 23.950 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025504

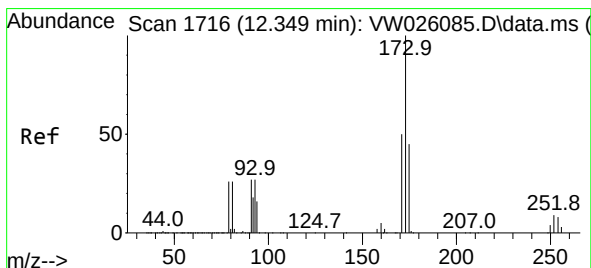
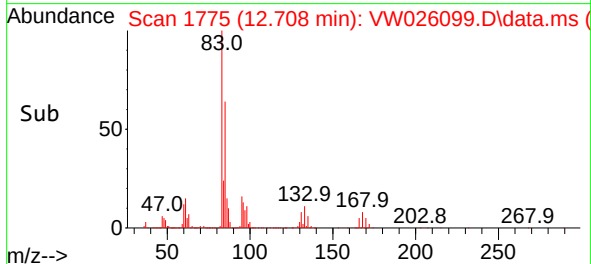
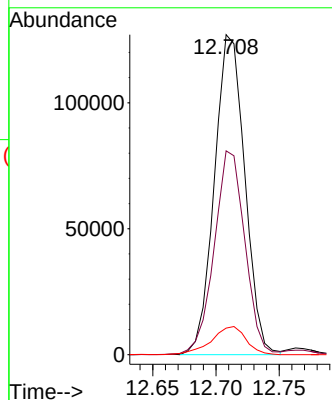
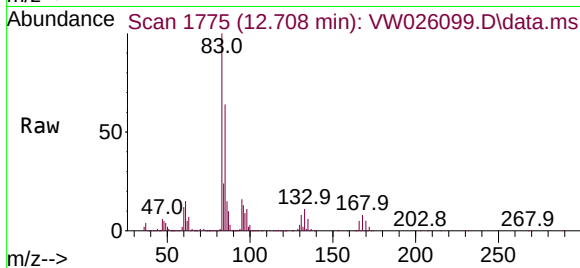
Tgt Ion: 83 Resp: 212435

Ion Ratio Lower Upper

83 100

85 63.7 42.6 79.0

131 8.3 7.2 10.8



#59

Bromoform

Concen: 22.387 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

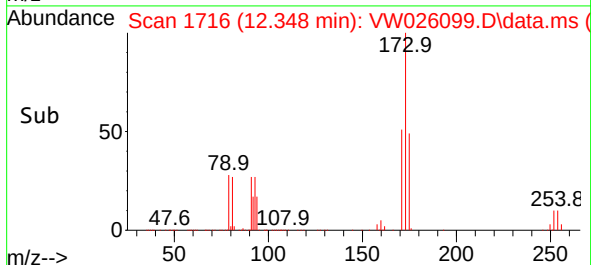
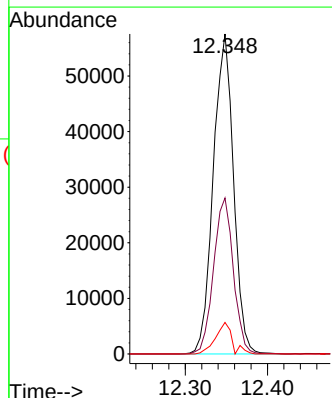
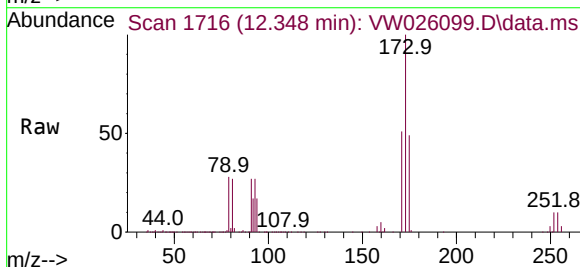
Tgt Ion:173 Resp: 98363

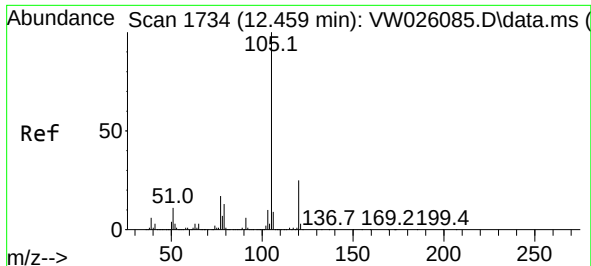
Ion Ratio Lower Upper

173 100

175 47.7 38.6 57.8

254 7.2 7.4 11.0#

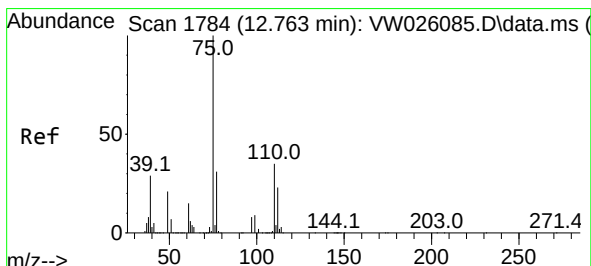
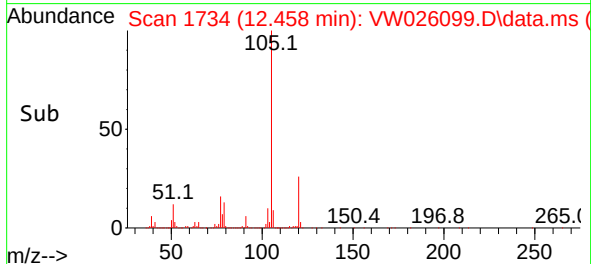
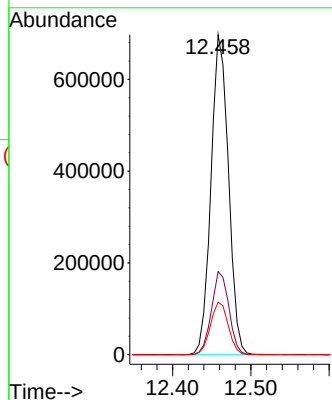
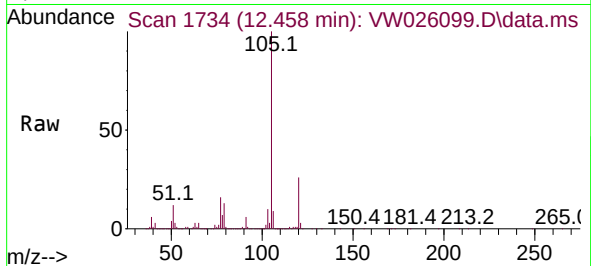




#60
Isopropylbenzene
Concen: 23.473 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

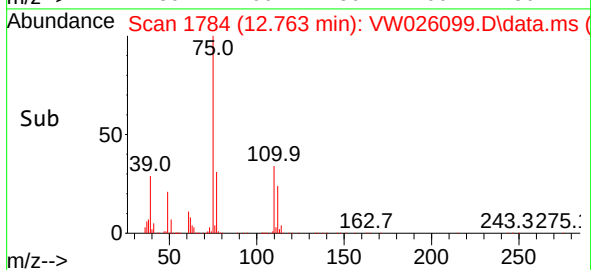
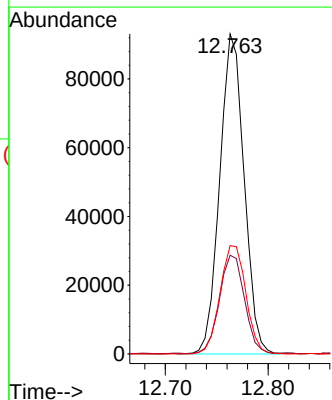
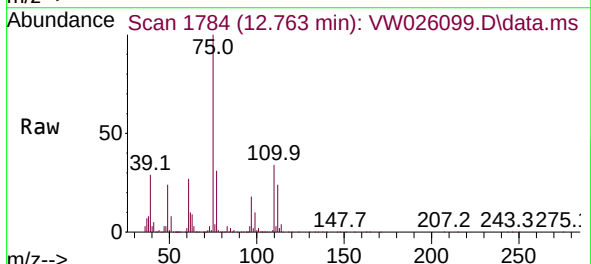
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

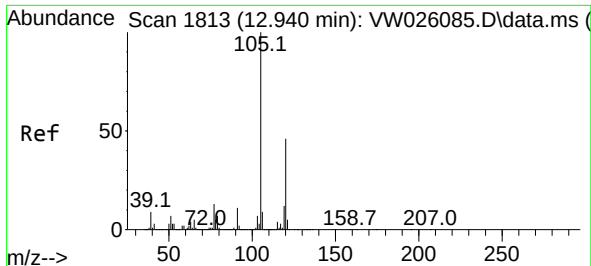
Tgt Ion:105 Resp: 1078705
Ion Ratio Lower Upper
105 100
120 25.9 19.8 29.8
77 16.7 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 23.391 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion: 75 Resp: 153274
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
110 36.0 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 23.583 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

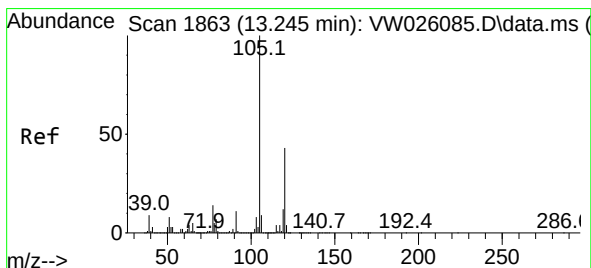
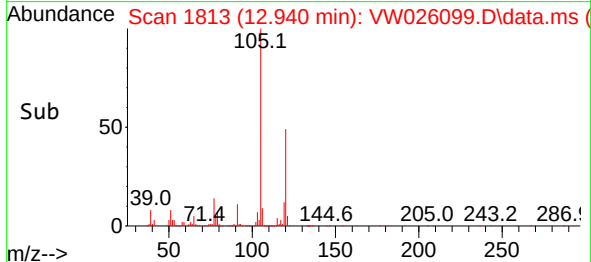
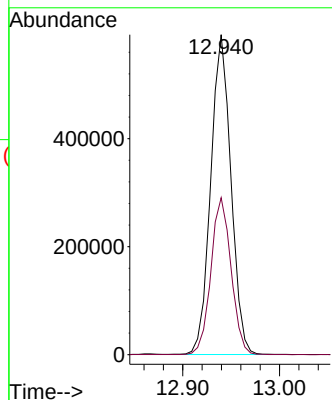
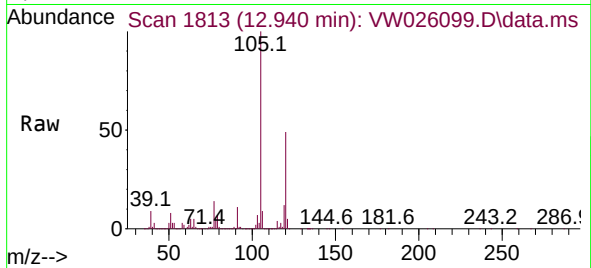
VSTD025504

Tgt Ion:105 Resp: 861517

Ion Ratio Lower Upper

105 100

120 48.9 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 23.673 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026099.D

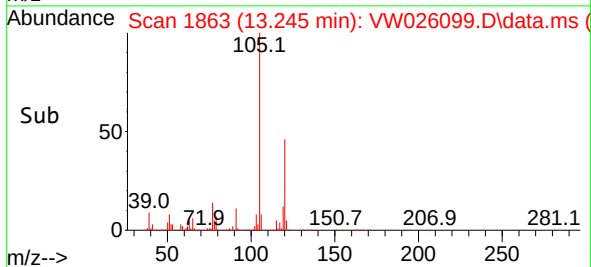
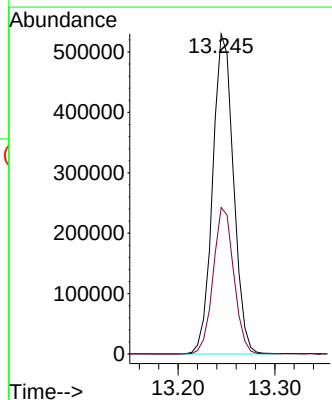
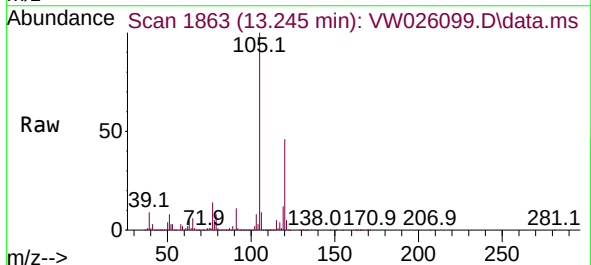
Acq: 31 May 2023 09:50

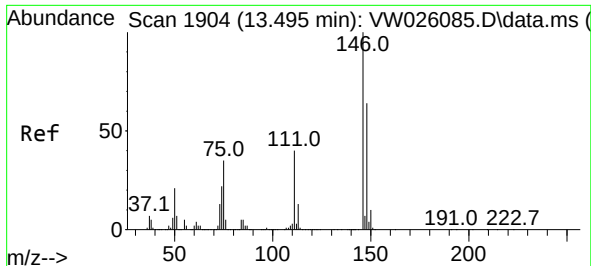
Tgt Ion:105 Resp: 792079

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.2

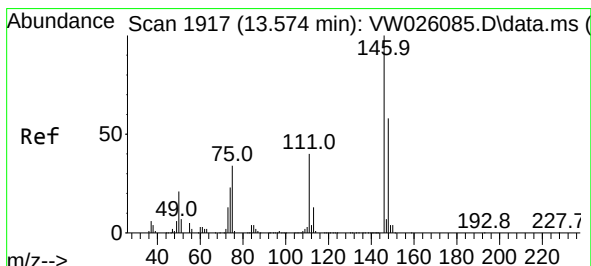
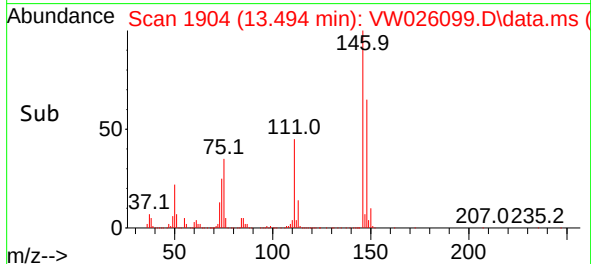
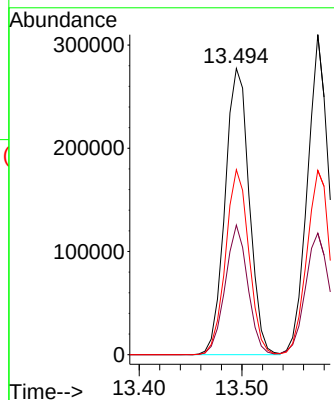
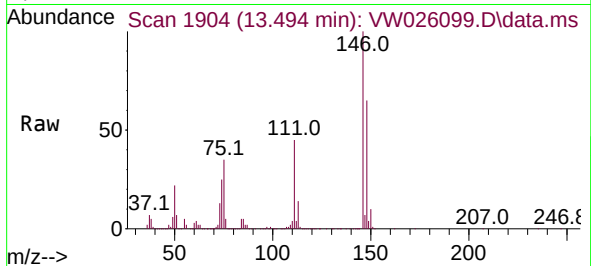




#64
1,3-Dichlorobenzene
Concen: 23.407 ug/L
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

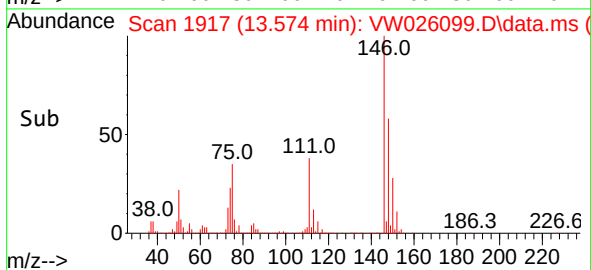
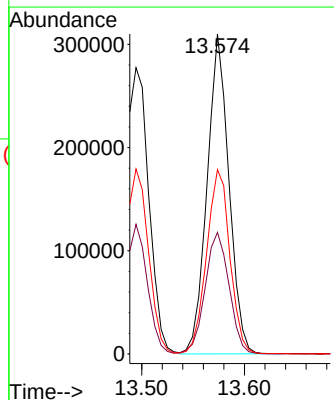
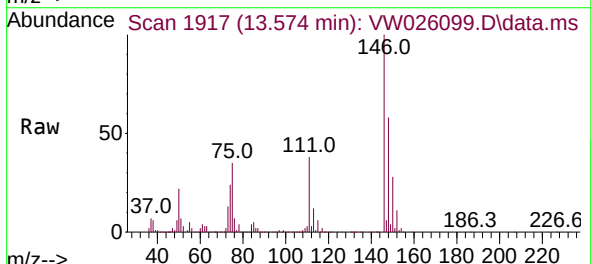
Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

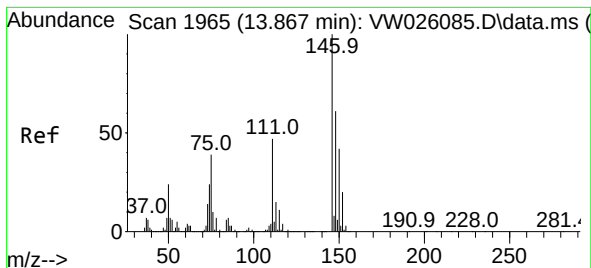
Tgt Ion:146 Resp: 452269
Ion Ratio Lower Upper
146 100
111 45.3 29.7 55.1
148 64.6 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 23.483 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion:146 Resp: 456831
Ion Ratio Lower Upper
146 100
111 38.0 29.2 54.2
148 57.6 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 23.426 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025504

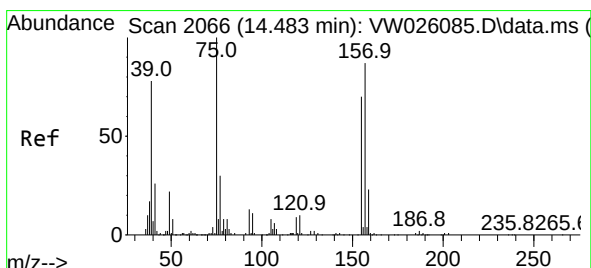
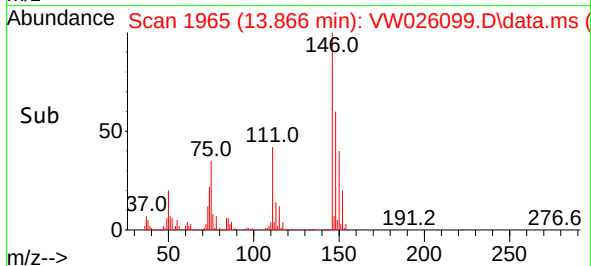
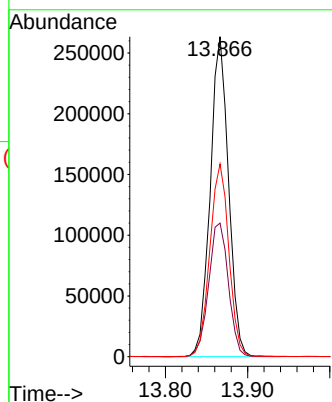
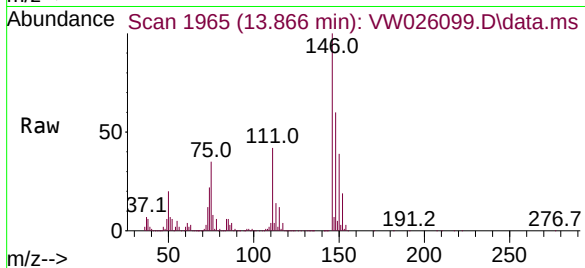
Tgt Ion:146 Resp: 406467

Ion Ratio Lower Upper

146 100

111 41.7 35.4 53.0

148 60.3 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 21.628 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.007 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

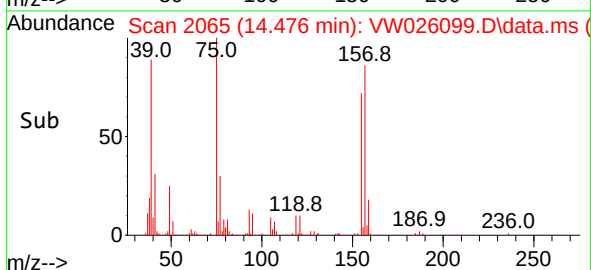
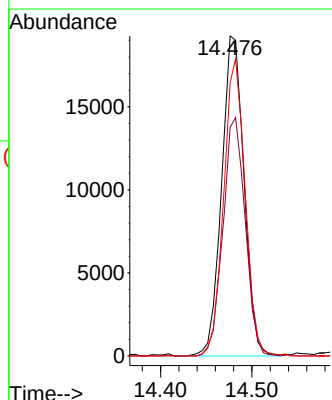
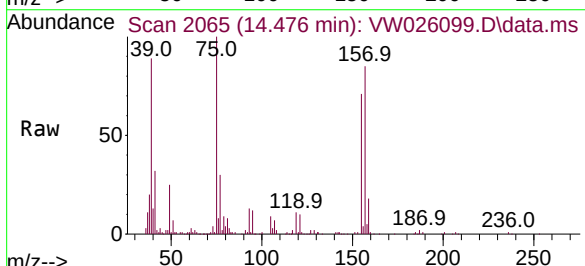
Tgt Ion: 75 Resp: 32835

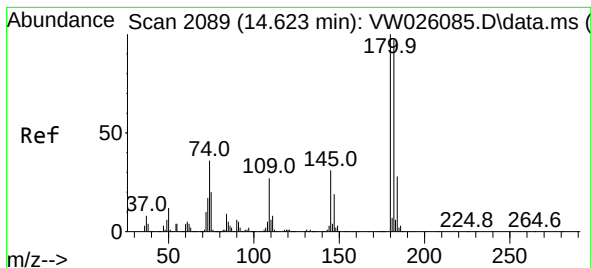
Ion Ratio Lower Upper

75 100

155 71.4 59.0 88.6

157 85.3 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 21.687 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

Instrument :

MSVOA_W

ClientSampleId :

VSTD025504

Tgt Ion:180 Resp: 287852

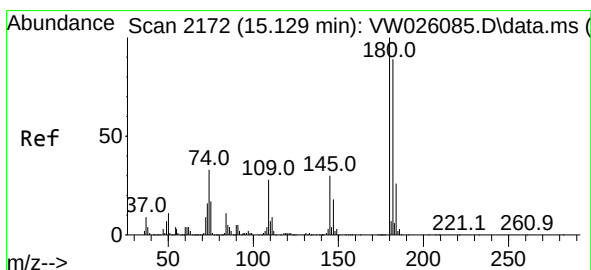
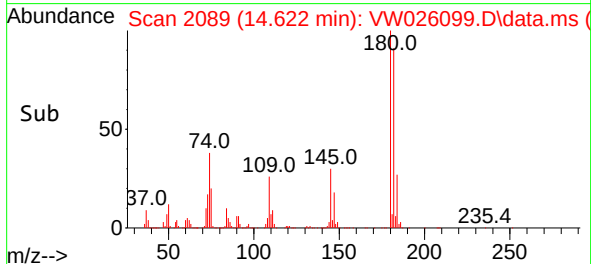
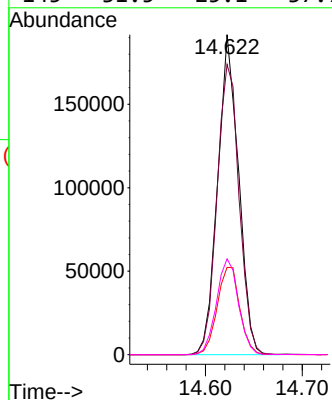
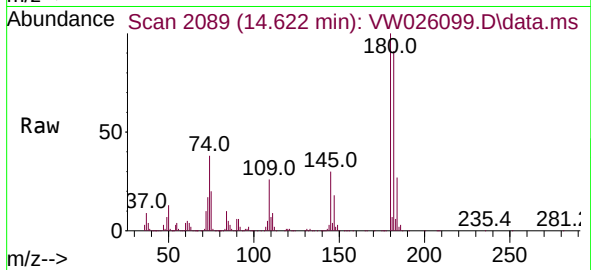
Ion Ratio Lower Upper

180 100

182 95.8 77.0 115.4

184 29.6 23.7 35.5

145 31.5 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 21.154 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026099.D

Acq: 31 May 2023 09:50

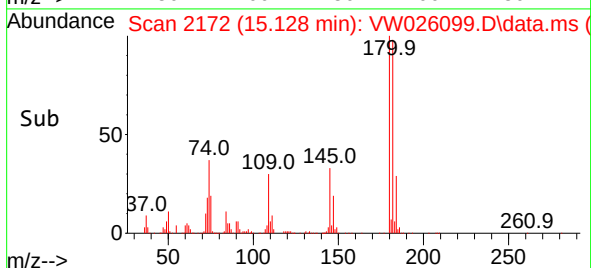
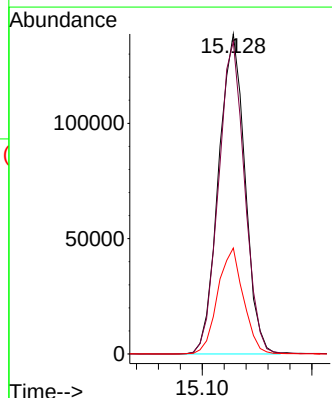
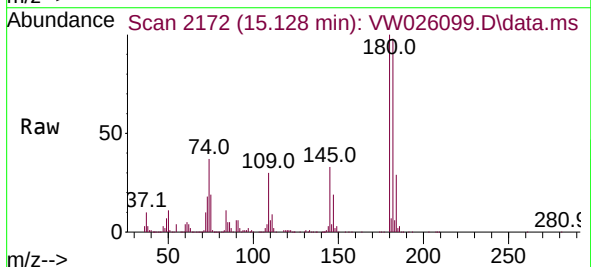
Tgt Ion:180 Resp: 231679

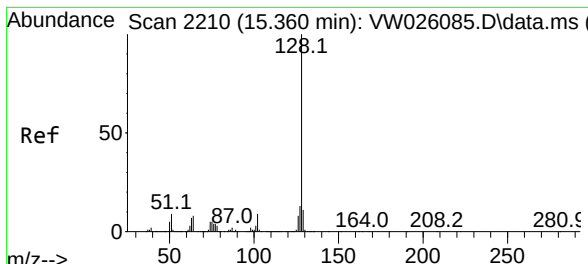
Ion Ratio Lower Upper

180 100

182 96.6 78.9 118.3

145 32.3 27.2 40.8

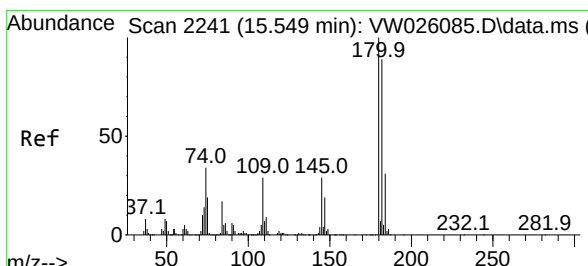
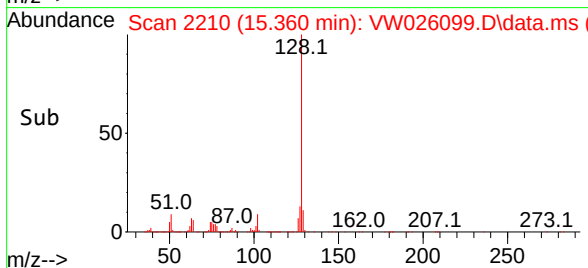
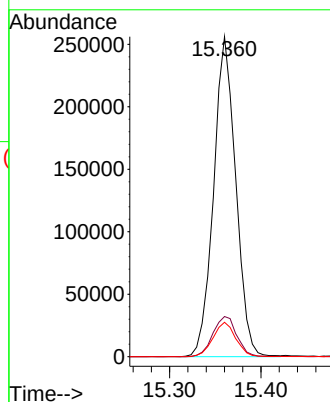
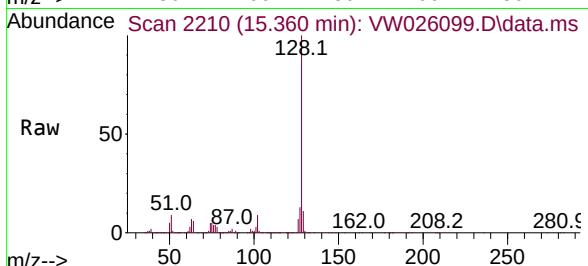




#71
Naphthalene
Concen: 22.077 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Instrument :
MSVOA_W
ClientSampleId :
VSTD025504

Tgt Ion:	128	Resp:	430943
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	15.8
129	11.1	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 21.035 ug/L
RT: 15.543 min Scan# 2240
Delta R.T. -0.007 min
Lab File: VW026099.D
Acq: 31 May 2023 09:50

Tgt Ion:	180	Resp:	201340
Ion Ratio	Lower	Upper	
180	100		
182	97.1	76.3	114.5
145	36.8	27.0	40.6

