

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026096.D
 Acq On : 30 May 2023 18:05
 Operator : SY/MD
 Sample : 02950-13MS
 Misc : 4.86g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW990MS

Quant Time: May 31 02:12:51 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	977443	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	735580	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	261646	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	334257	24.309	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.240%
7) Chloroethane-d5	2.893	69	266710	25.911	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.640%
11) 1,1-Dichloroethene-d2	4.021	65	130131	19.193	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.760%
21) 2-Butanone-d5	7.075	46	204784	51.154	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.300%
24) Chloroform-d	7.648	84	632379	22.093	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.360%
26) 1,2-Dichloroethane-d4	8.301	65	348422	22.261	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.040%
32) Benzene-d6	8.270	84	1269747	25.653	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	9.270	67	412248	26.290	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.160%
41) Toluene-d8	10.325	98	1051245	23.949	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.800%
43) trans-1,3-Dichloroprop...	10.575	79	132985	21.401	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.600%
47) 2-Hexanone-d5	10.922	63	135044	54.617	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.240%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	285631	25.032	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.120%
66) 1,2-Dichlorobenzene-d4	13.849	152	232549	23.221	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	223171	18.625	ug/L	# 79
3) Chloromethane	2.223	50	330772	21.529	ug/L	96
5) Vinyl chloride	2.375	62	326454	19.878	ug/L	100
6) Bromomethane	2.783	94	168628	18.835	ug/L	99
8) Chloroethane	2.930	64	176082	19.841	ug/L	98
9) Trichlorofluoromethane	3.265	101	160240	15.166	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	211942	15.898	ug/L	99
12) 1,1-Dichloroethene	4.045	96	195122	15.679	ug/L	98
13) Acetone	4.119	43	160141	51.698	ug/L	99
14) Carbon disulfide	4.393	76	688720	15.677	ug/L	99
15) Methyl Acetate	4.673	43	128852	18.534	ug/L	100
16) Methylene chloride	4.917	84	330408	21.179	ug/L	100
17) trans-1,2-Dichloroethene	5.429	96	235599	16.873	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	424607	19.295	ug/L	100
19) 1,1-Dichloroethane	6.216	63	506244	17.809	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	257887	17.436	ug/L	97
22) 2-Butanone	7.167	43	209316	47.370	ug/L	99
23) Bromochloromethane	7.514	128	112423	17.823	ug/L	95
25) Chloroform	7.673	83	460556	17.395	ug/L	98

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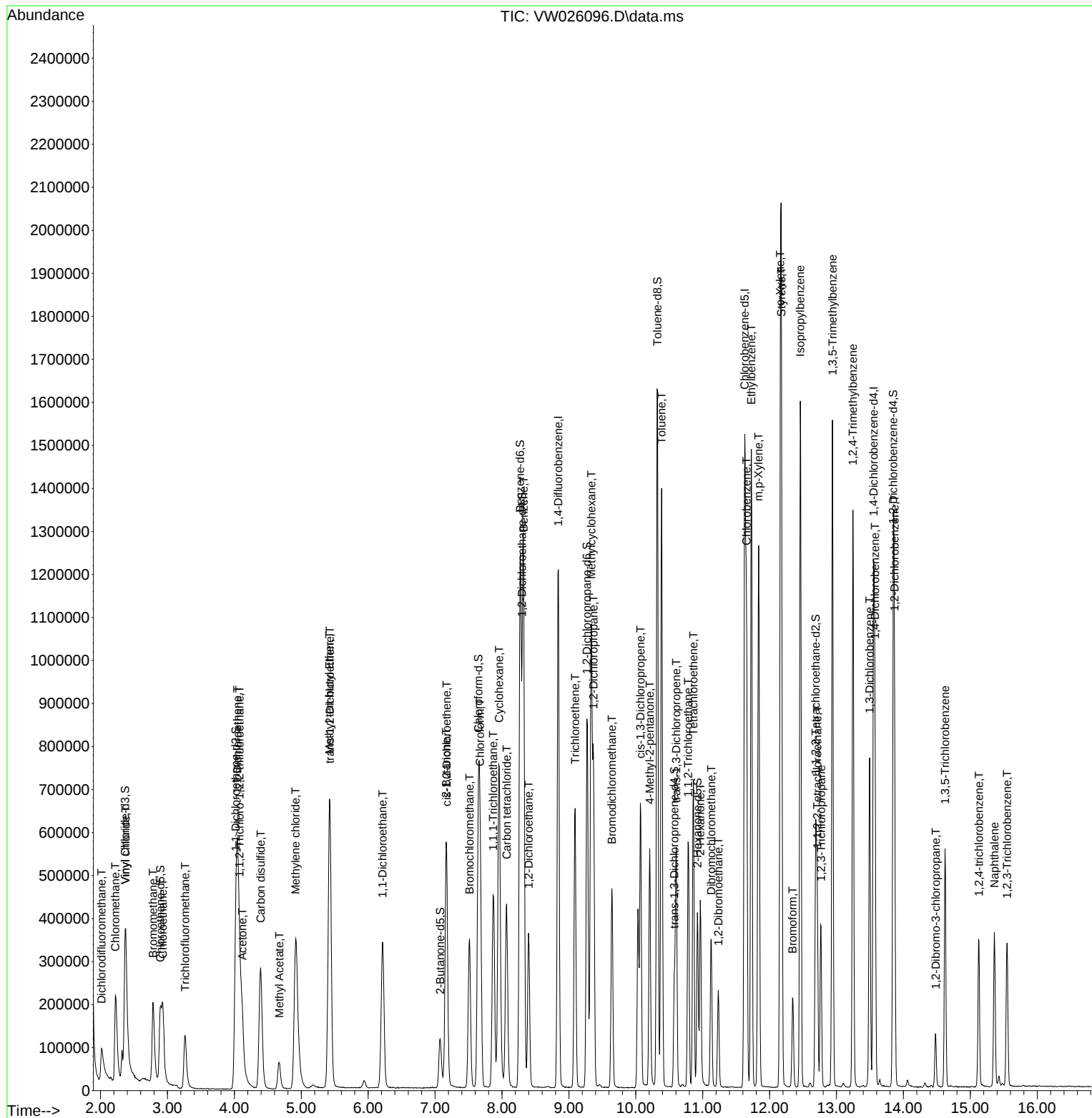
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	320289	17.540	ug/L	100
29) Cyclohexane	7.959	56	456277	20.092	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	368055	20.619	ug/L	98
31) Carbon tetrachloride	8.069	117	327617	20.112	ug/L	97
33) Benzene	8.325	78	1028477	20.411	ug/L	100
34) Trichloroethene	9.093	95	231009	17.904	ug/L	99
35) Methylcyclohexane	9.337	83	412774	18.079	ug/L	99
37) 1,2-Dichloropropane	9.368	63	281547	20.629	ug/L	100
38) Bromodichloromethane	9.642	83	309613	19.526	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	375427	18.718	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	386518	48.035	ug/L	100
42) Toluene	10.386	91	974982	18.917	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	297373	17.797	ug/L	96
45) 1,1,2-Trichloroethane	10.782	97	177497	19.733	ug/L	98
46) Tetrachloroethene	10.861	164	151528	16.603	ug/L	95
48) 2-Hexanone	10.965	43	286436	50.486	ug/L	99
49) Dibromochloromethane	11.129	129	175791	18.640	ug/L	94
50) 1,2-Dibromoethane	11.233	107	147537	17.714	ug/L	91
51) Chlorobenzene	11.654	112	524452	16.239	ug/L	96
52) Ethylbenzene	11.727	91	1008853	17.352	ug/L	100
53) m,p-Xylene	11.837	106	378551	17.502	ug/L	91
54) o-Xylene	12.160	106	372242	18.235	ug/L	92
55) Styrene	12.178	104	548498	15.662	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.715	83	214887	19.740	ug/L	98
59) Bromoform	12.343	173	93135	23.699	ug/L	99
60) Isopropylbenzene	12.459	105	990138	24.089	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	157353	26.848	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	781505	23.918	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	690265	23.065	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	284825	16.481	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	276093	15.868	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	286881	18.486	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.483	75	33469	24.648	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	158830	13.379	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	103050	10.520	ug/L	95
71) Naphthalene	15.360	128	285471	16.351	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	101721	11.882	ug/L	95

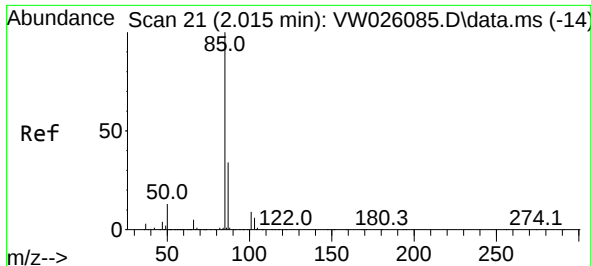
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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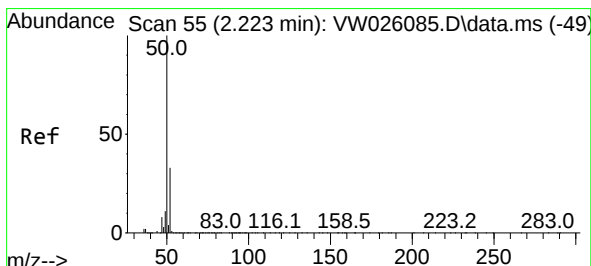
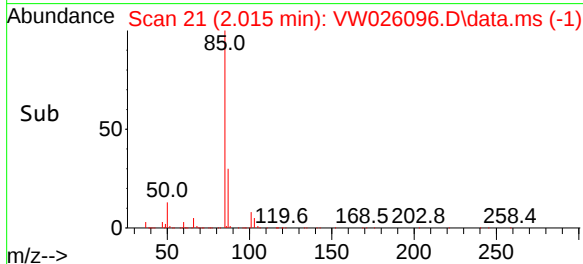
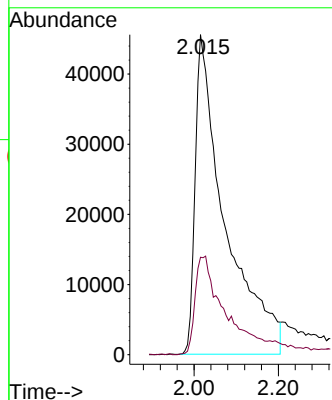
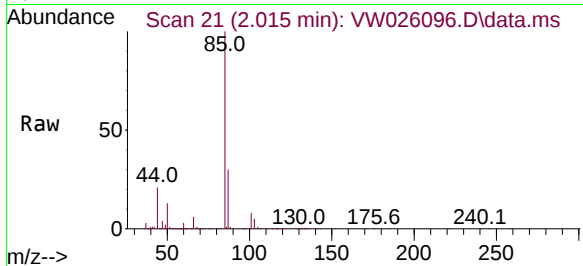




#2
Dichlorodifluoromethane
Concen: 18.625 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

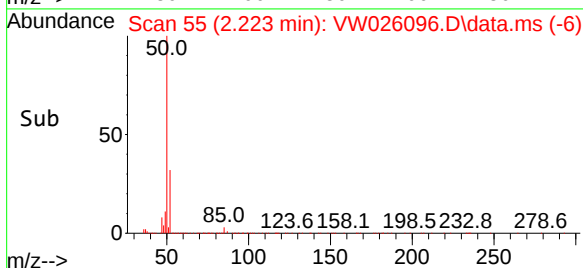
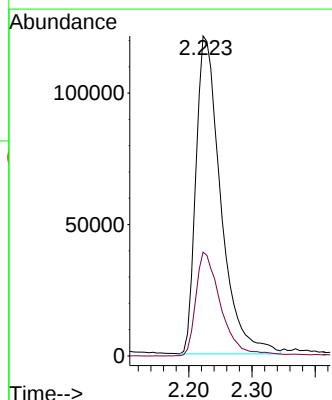
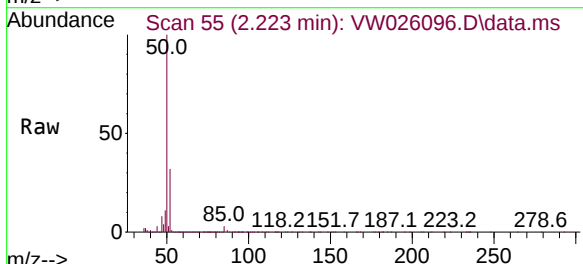
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MSVOA_W
ClientSampleId :
EW990MS

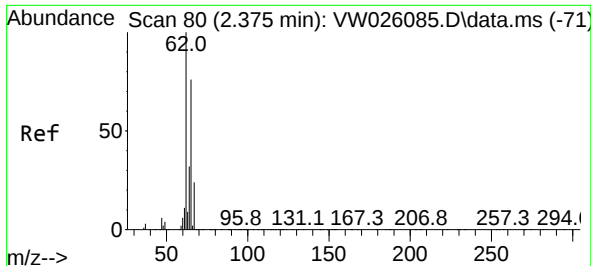
Tgt Ion: 85 Resp: 223171
Ion Ratio Lower Upper
85 100
87 16.5 22.2 33.2#



#3
Chloromethane
Concen: 21.529 ug/L
RT: 2.223 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 50 Resp: 330772
Ion Ratio Lower Upper
50 100
52 32.4 21.3 39.6

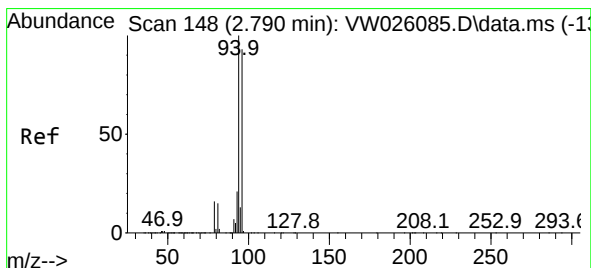
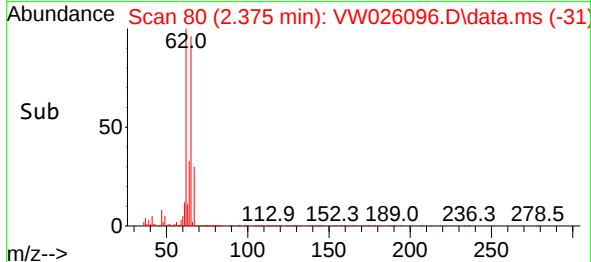
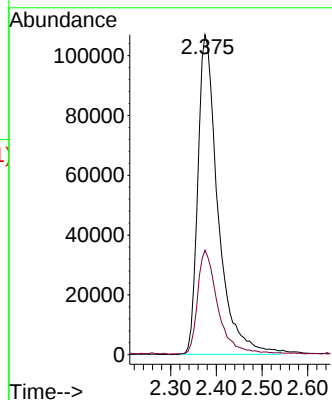
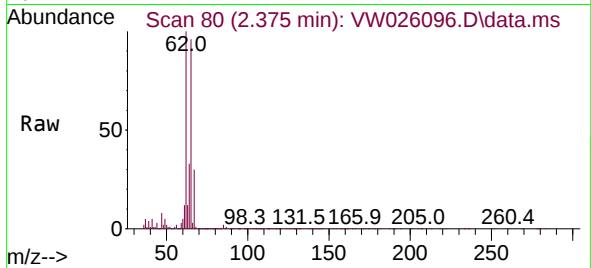




#5
 Vinyl chloride
 Concen: 19.878 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026096.D
 Acq: 30 May 2023 18:05

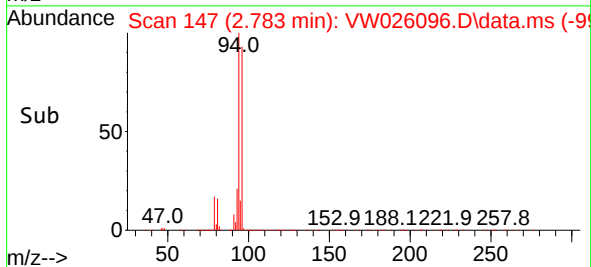
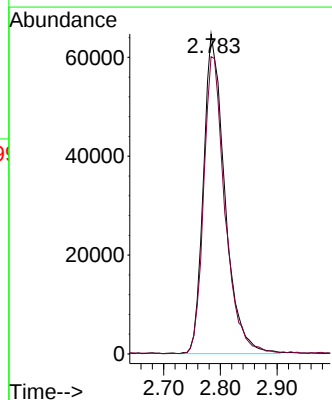
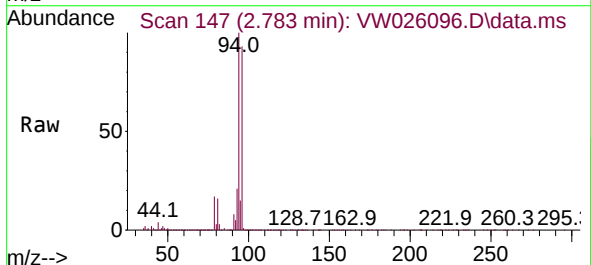
Instrument :
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 ClientSampleId :
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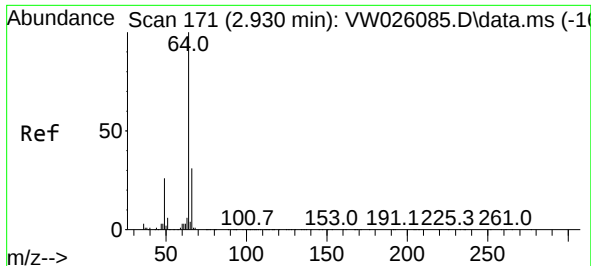
Tgt Ion: 62 Resp: 326454
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.7 42.1



#6
 Bromomethane
 Concen: 18.835 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026096.D
 Acq: 30 May 2023 18:05

Tgt Ion: 94 Resp: 168628
 Ion Ratio Lower Upper
 94 100
 96 92.9 64.2 119.2

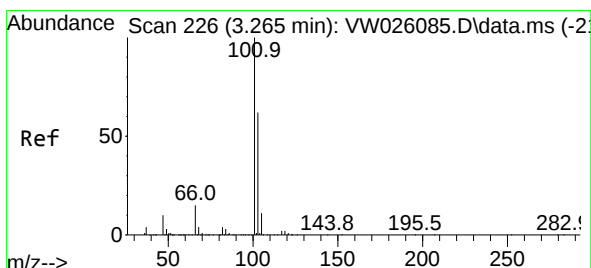
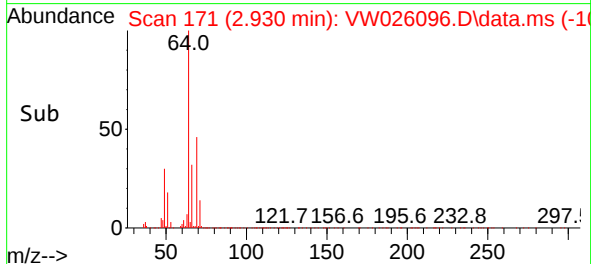
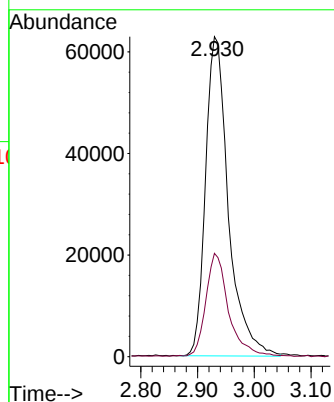
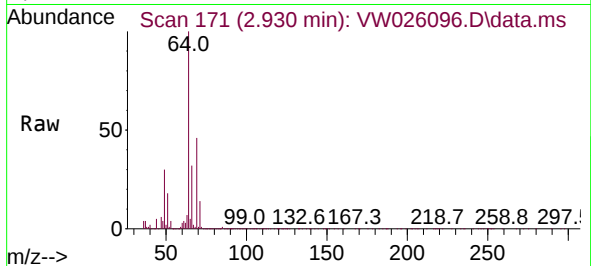




#8
Chloroethane
Concen: 19.841 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW026096.D
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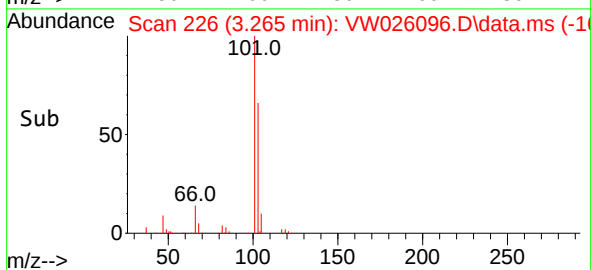
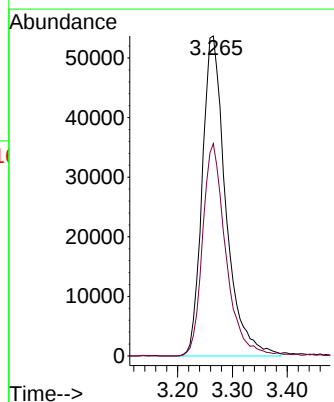
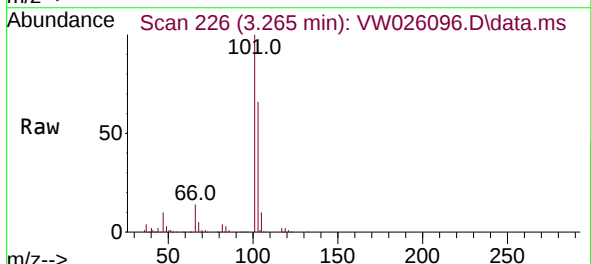
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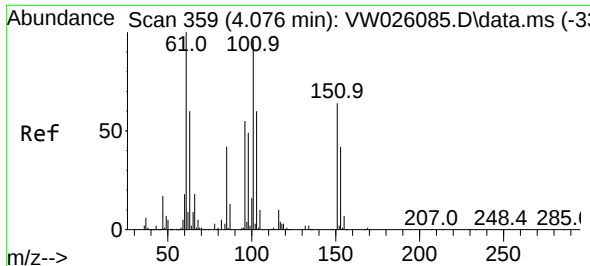
Tgt Ion: 64 Resp: 176082
Ion Ratio Lower Upper
64 100
66 32.3 23.2 43.2



#9
Trichlorofluoromethane
Concen: 15.166 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion:101 Resp: 160240
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

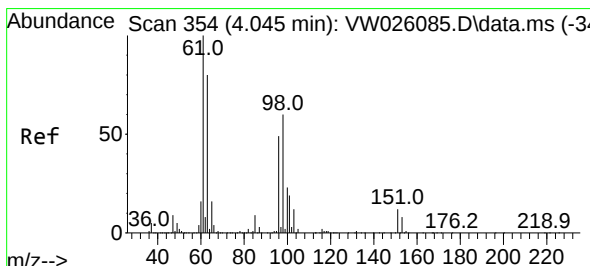
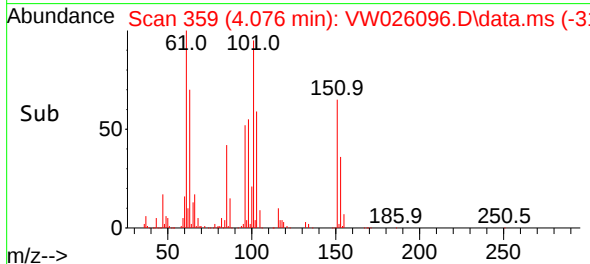
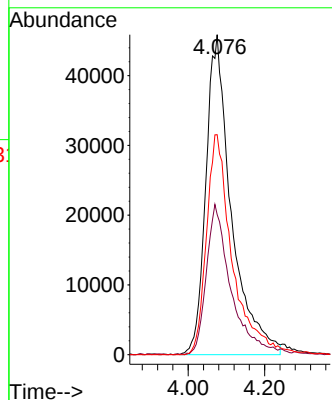
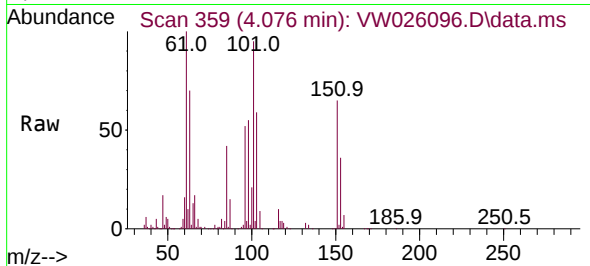




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 15.898 ug/L
 RT: 4.076 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: VW026096.D
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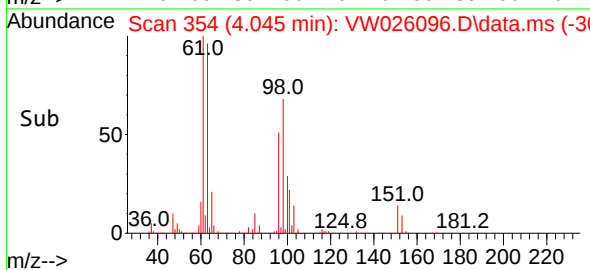
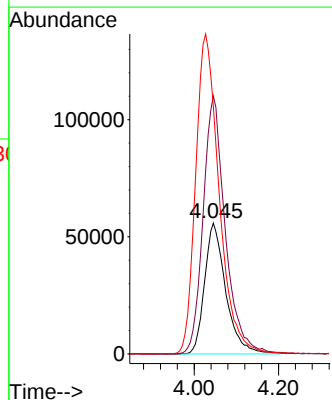
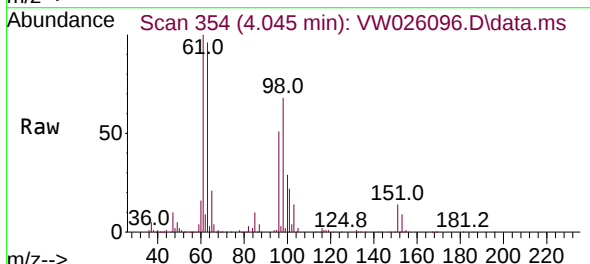
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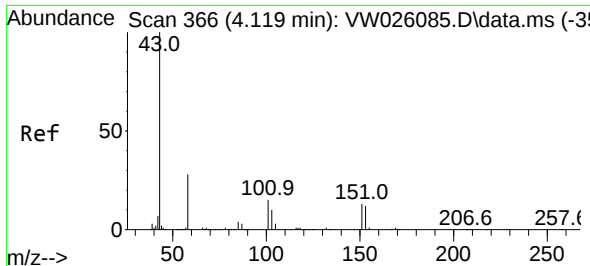
Tgt Ion:101 Resp: 211942
 Ion Ratio Lower Upper
 101 100
 85 44.6 36.1 54.1
 151 68.2 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 15.679 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
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Tgt Ion: 96 Resp: 195122
 Ion Ratio Lower Upper
 96 100
 61 197.3 140.6 261.0
 63 189.7 131.7 244.5

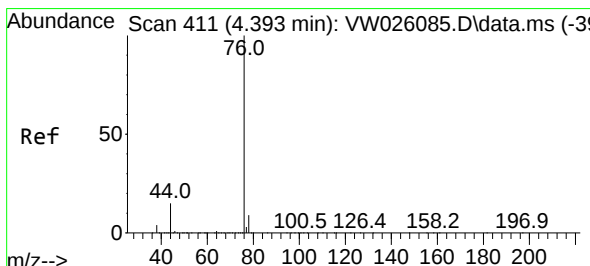
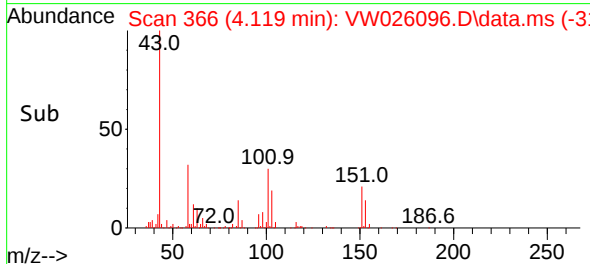
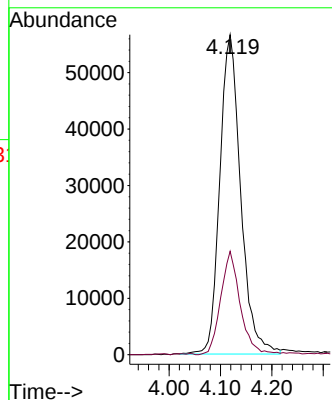
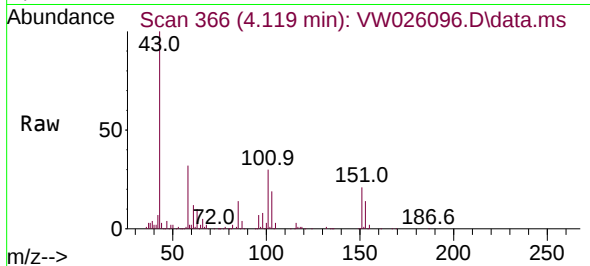




#13
Acetone
Concen: 51.698 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.000 min
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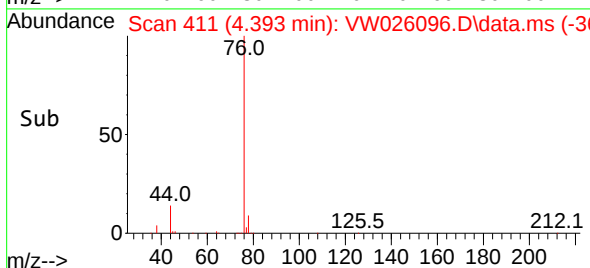
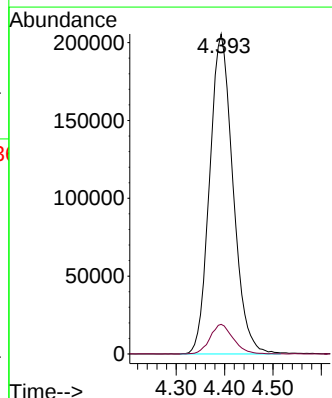
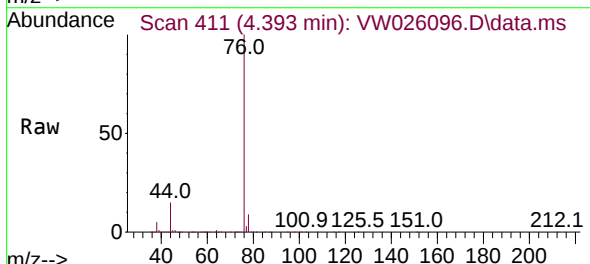
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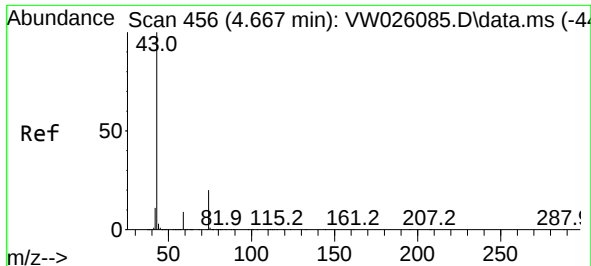
Tgt Ion: 43 Resp: 160141
Ion Ratio Lower Upper
43 100
58 29.6 0.0 58.2



#14
Carbon disulfide
Concen: 15.677 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 688720
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

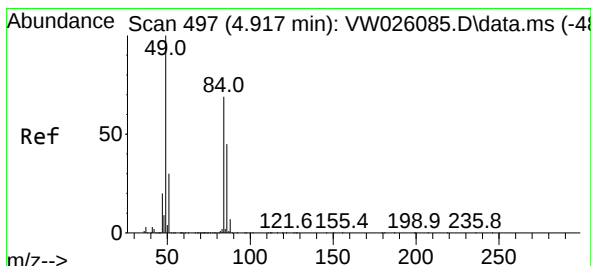
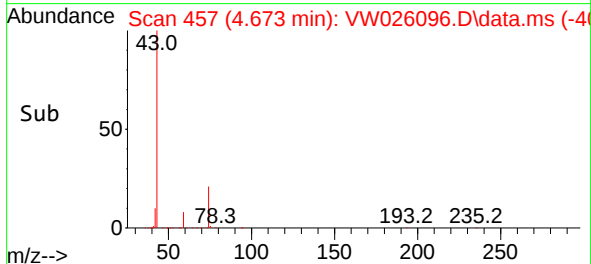
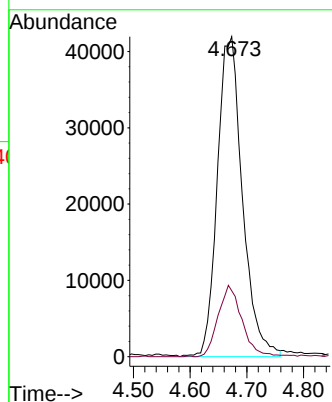
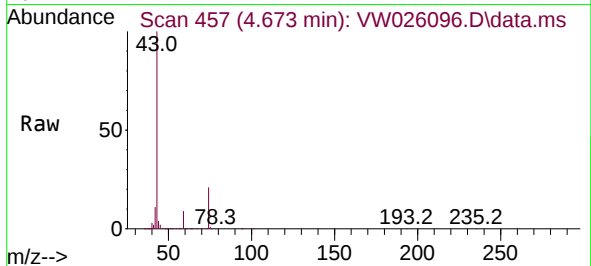




#15
Methyl Acetate
Concen: 18.534 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

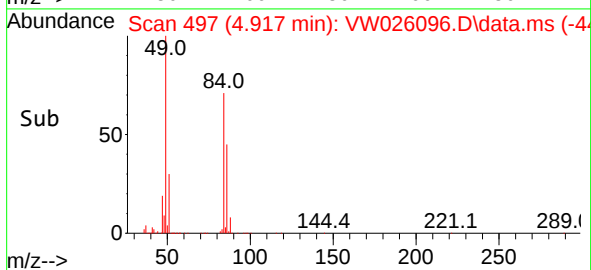
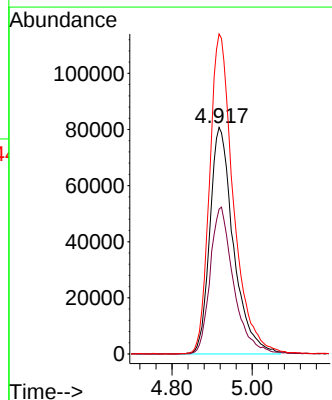
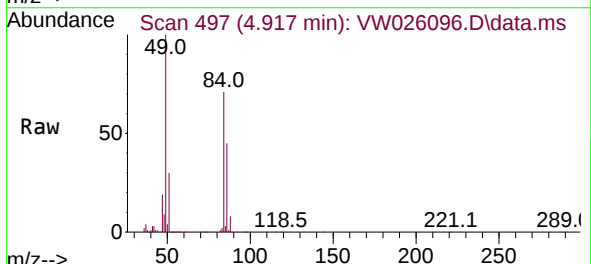
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

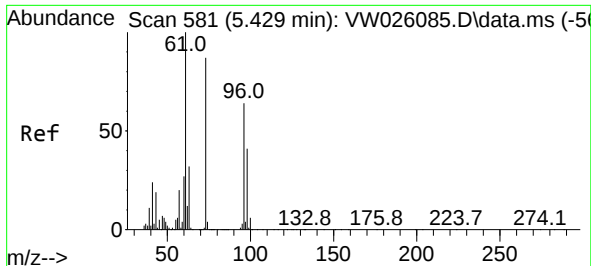
Tgt Ion: 43 Resp: 128852
Ion Ratio Lower Upper
43 100
74 20.9 16.6 25.0



#16
Methylene chloride
Concen: 21.179 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 84 Resp: 330408
Ion Ratio Lower Upper
84 100
86 63.9 44.2 82.0
49 141.3 98.8 183.6

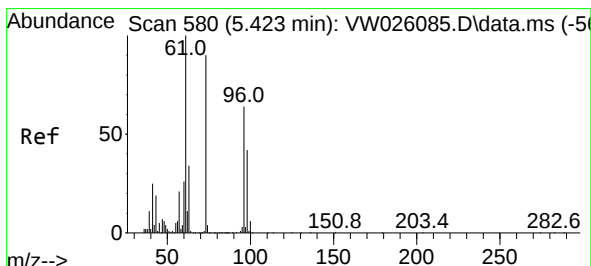
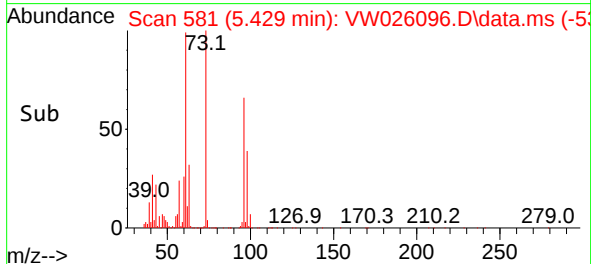
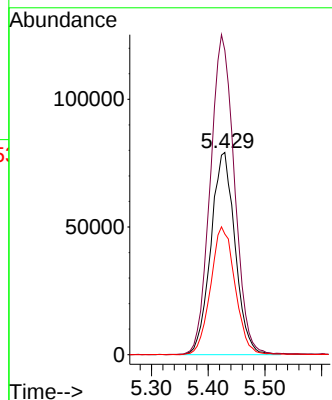
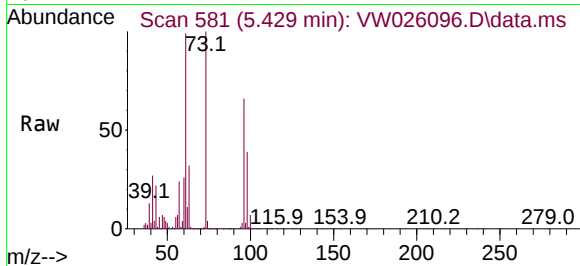




#17
trans-1,2-Dichloroethene
Concen: 16.873 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

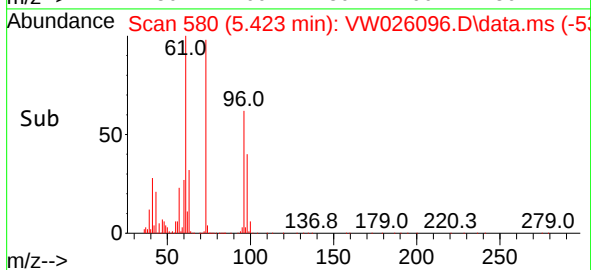
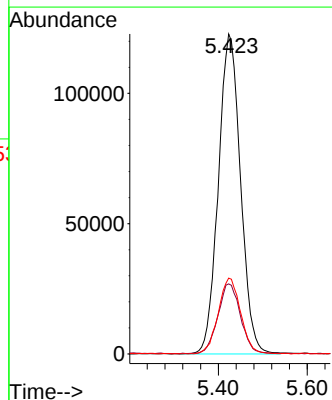
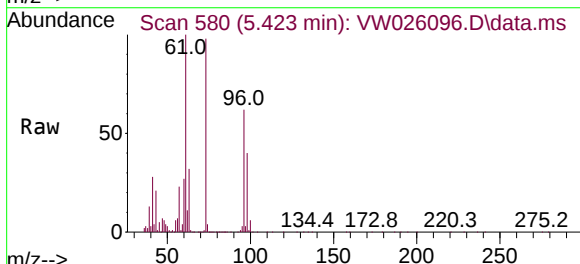
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

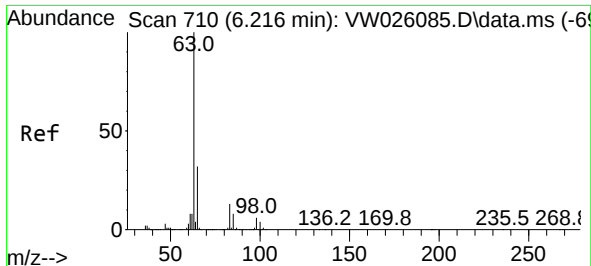
Tgt Ion: 96 Resp: 235599
Ion Ratio Lower Upper
96 100
61 150.5 113.0 209.8
98 59.6 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 19.295 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 73 Resp: 424607
Ion Ratio Lower Upper
73 100
43 22.1 17.8 26.6
57 23.7 18.9 28.3





#19

1,1-Dichloroethane

Concen: 17.809 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

EW990MS

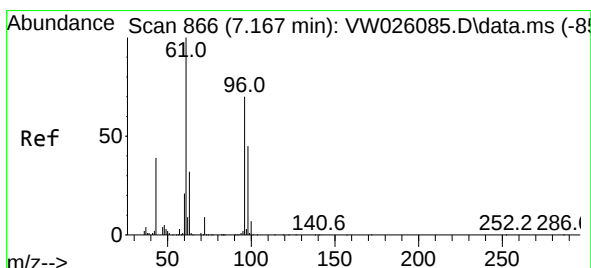
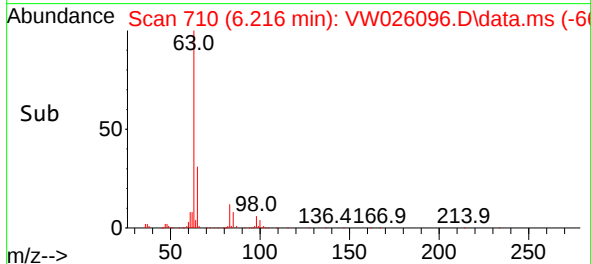
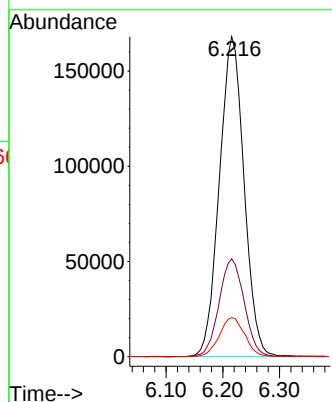
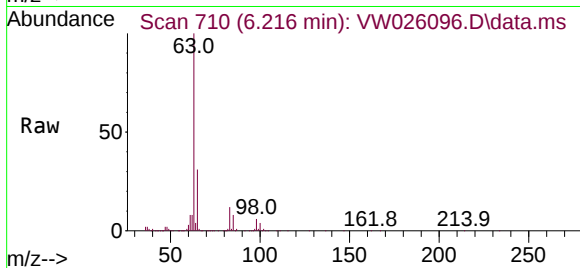
Tgt Ion: 63 Resp: 506244

Ion Ratio Lower Upper

63 100

65 30.6 22.3 41.5

83 12.2 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 17.436 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

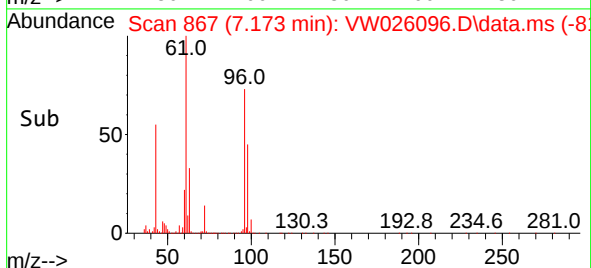
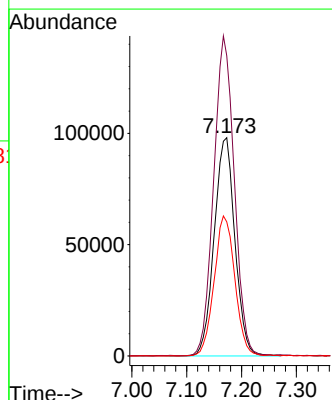
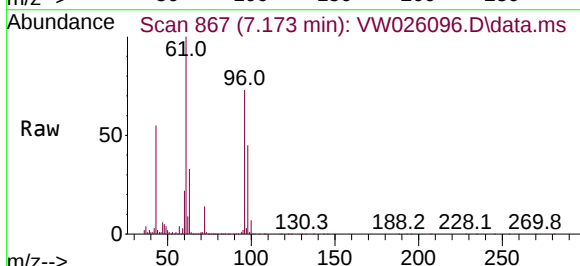
Tgt Ion: 96 Resp: 257887

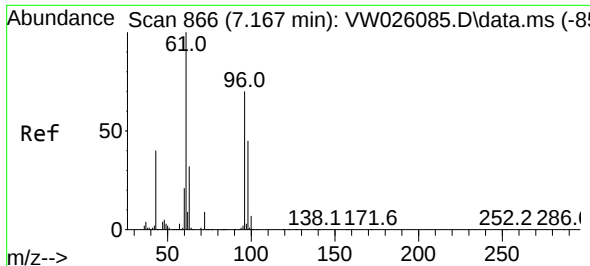
Ion Ratio Lower Upper

96 100

61 137.5 98.4 182.8

98 61.4 45.2 84.0

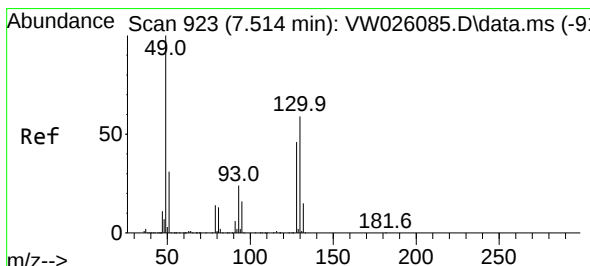
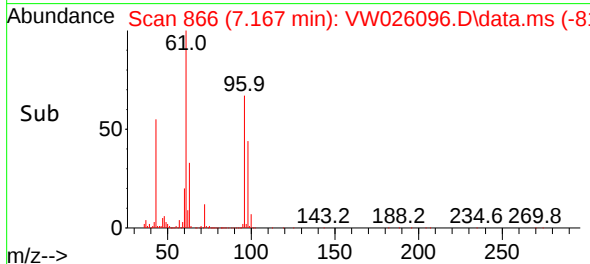
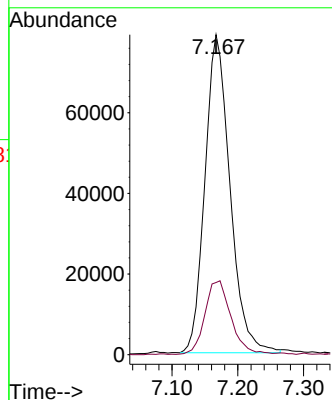
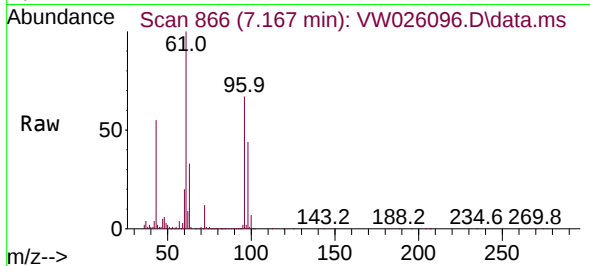




#22
2-Butanone
Concen: 47.370 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

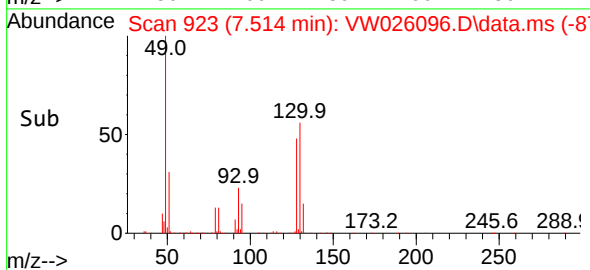
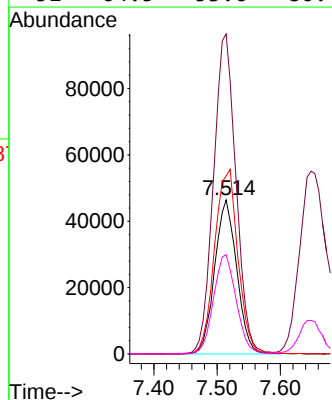
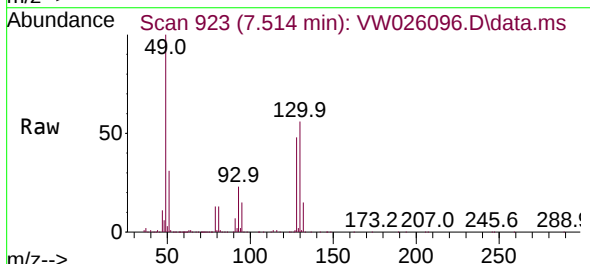
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

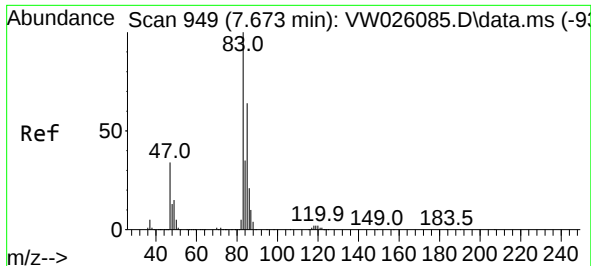
Tgt Ion: 43 Resp: 209316
Ion Ratio Lower Upper
43 100
72 24.3 12.4 37.4



#23
Bromochloromethane
Concen: 17.823 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 128 Resp: 112423
Ion Ratio Lower Upper
128 100
49 207.7 140.6 261.0
130 115.4 86.0 159.6
51 64.5 53.6 80.4

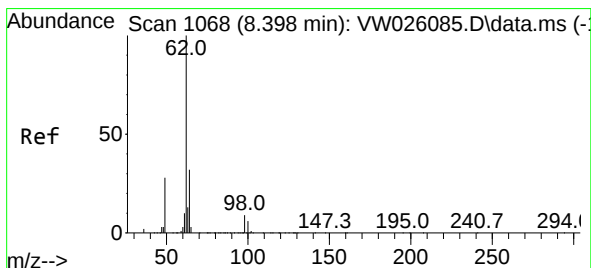
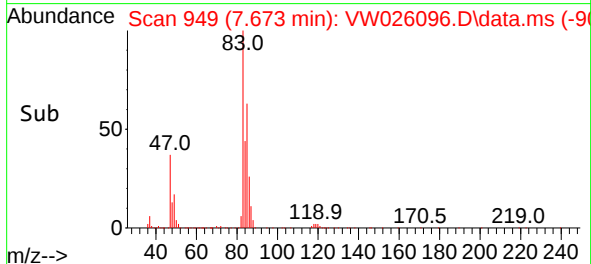
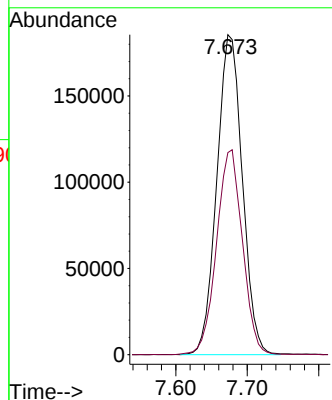
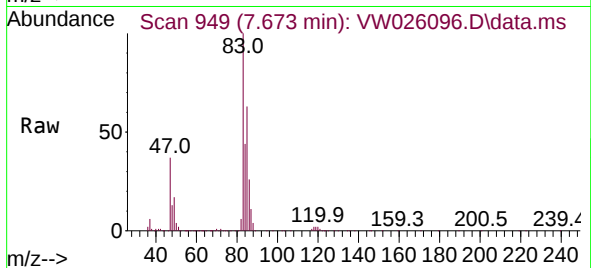




#25
Chloroform
Concen: 17.395 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

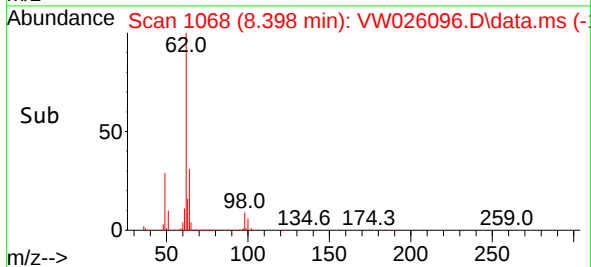
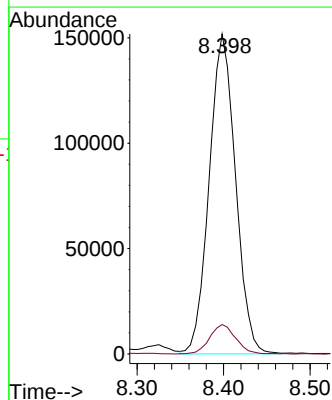
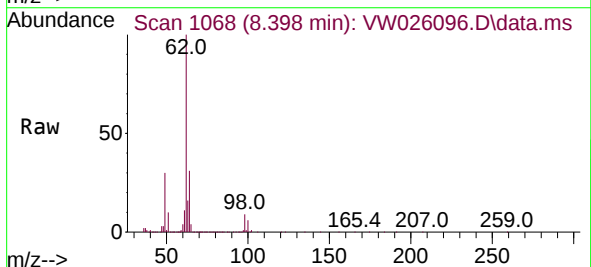
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

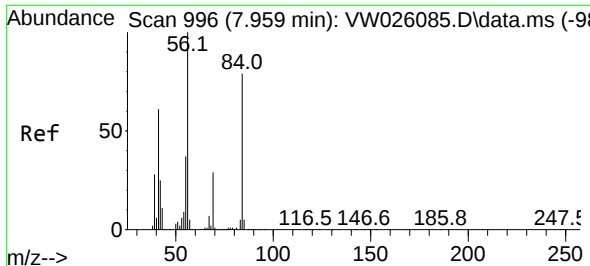
Tgt Ion: 83 Resp: 460556
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 17.540 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 62 Resp: 320289
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2

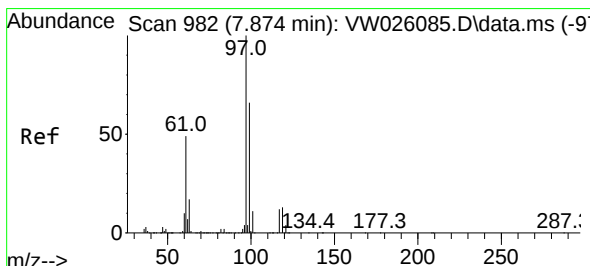
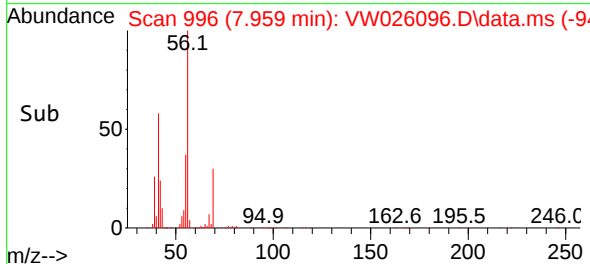
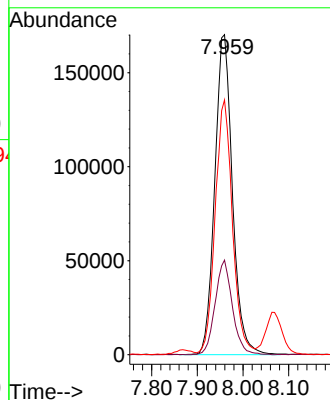
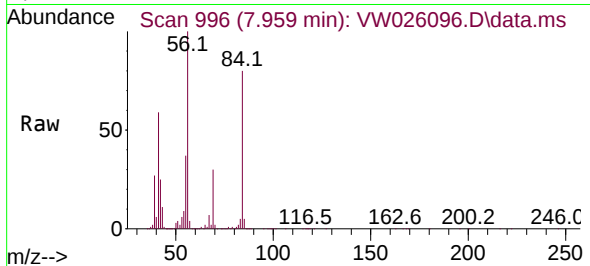




#29
Cyclohexane
Concen: 20.092 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

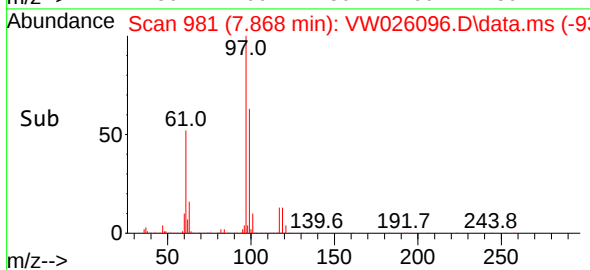
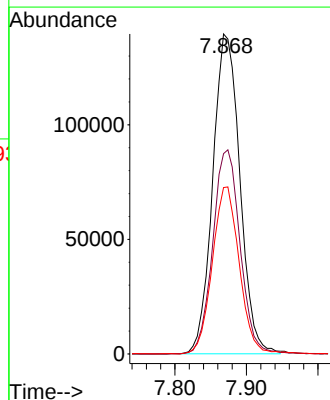
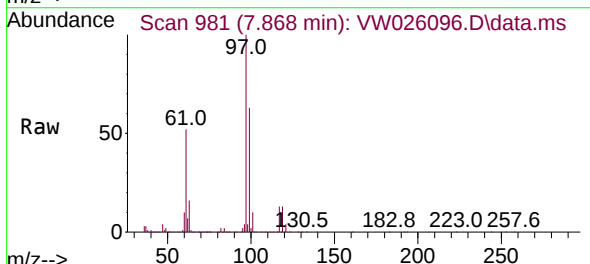
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

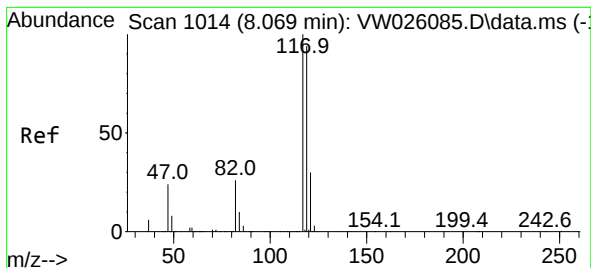
Tgt Ion: 56 Resp: 456277
Ion Ratio Lower Upper
56 100
69 28.9 23.3 34.9
84 78.0 63.0 94.6



#30
1,1,1-Trichloroethane
Concen: 20.619 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 97 Resp: 368055
Ion Ratio Lower Upper
97 100
99 64.3 50.6 76.0
61 52.1 40.5 60.7





#31

Carbon tetrachloride

Concen: 20.112 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

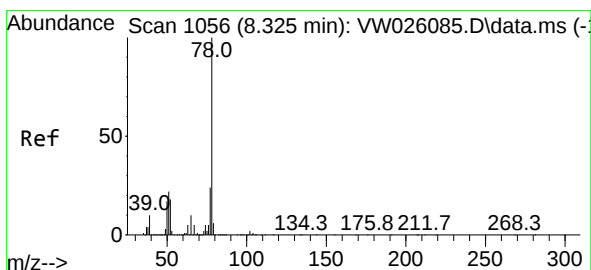
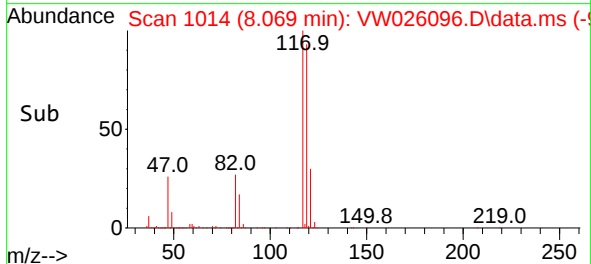
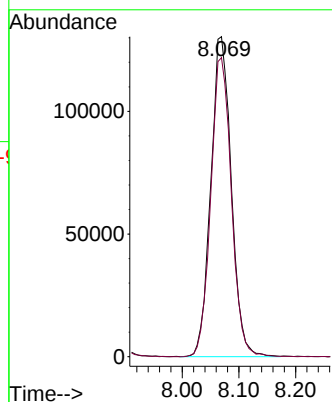
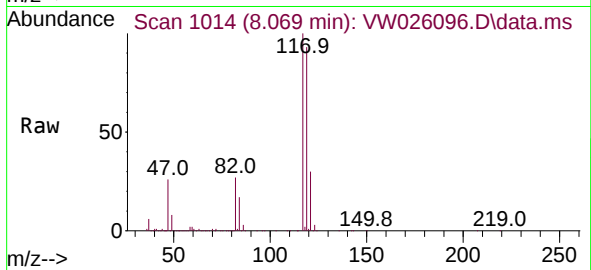
EW990MS

Tgt Ion:117 Resp: 327617

Ion Ratio Lower Upper

117 100

119 93.5 77.4 116.2



#33

Benzene

Concen: 20.411 ug/L

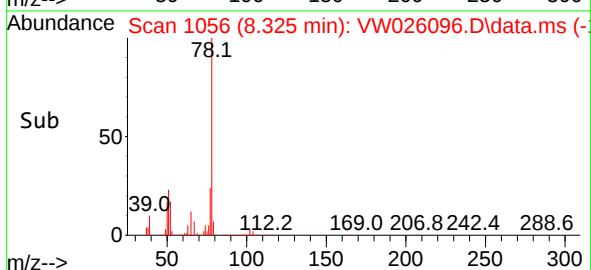
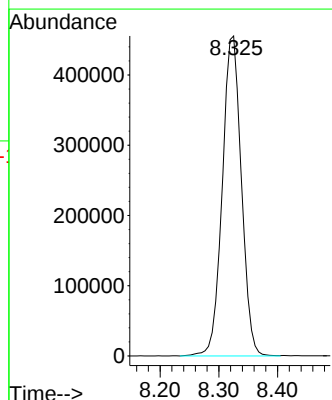
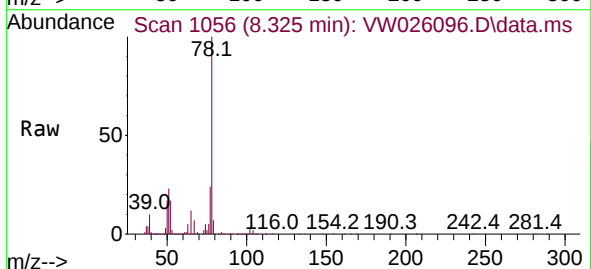
RT: 8.325 min Scan# 1056

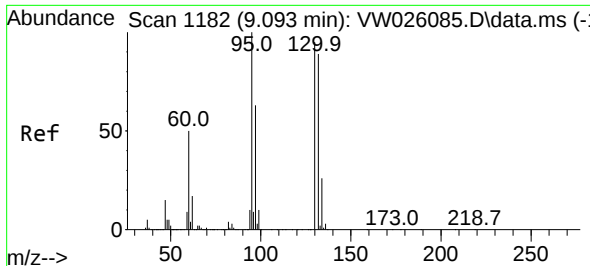
Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Tgt Ion: 78 Resp: 1028477

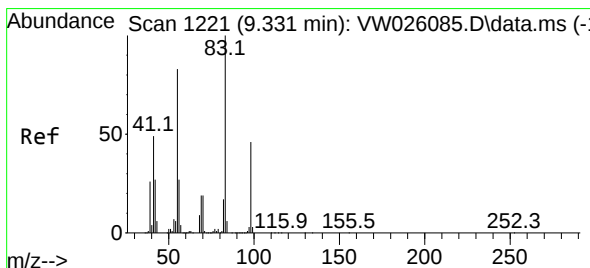
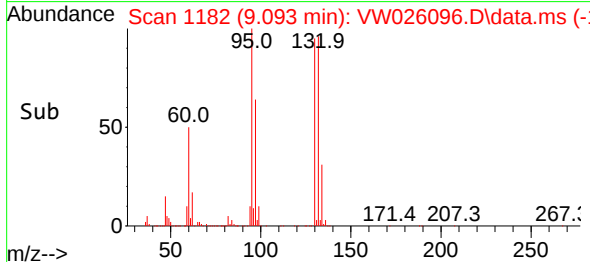
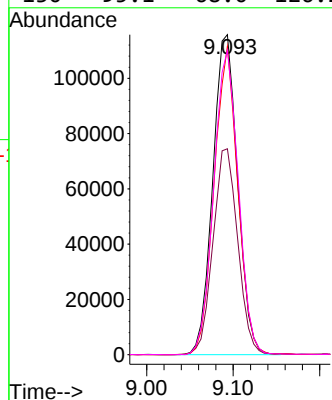
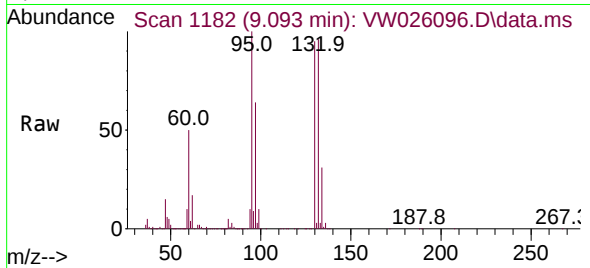




#34
Trichloroethene
Concen: 17.904 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

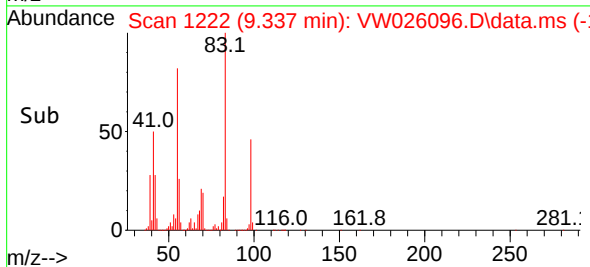
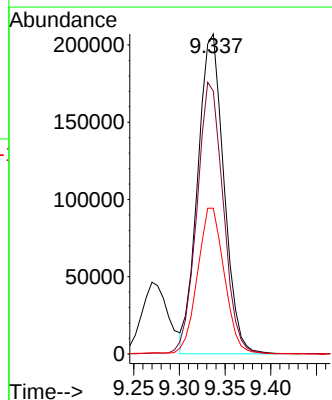
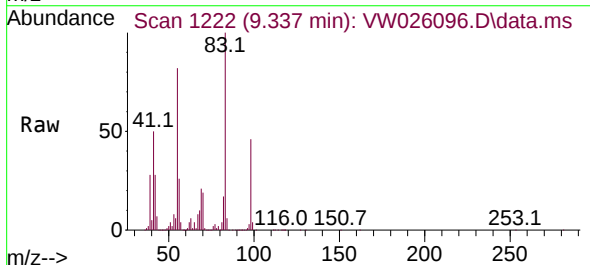
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

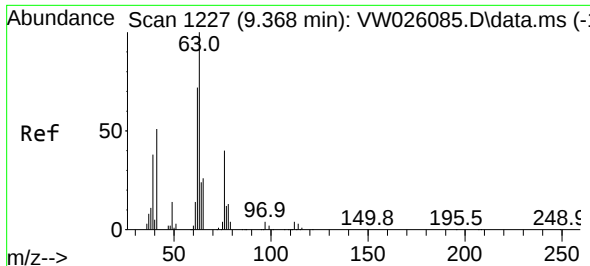
Tgt Ion: 95 Resp: 231009
Ion Ratio Lower Upper
95 100
97 64.3 45.9 85.3
132 96.3 67.1 124.7
130 95.1 68.0 126.2



#35
Methylcyclohexane
Concen: 18.079 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.006 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 83 Resp: 412774
Ion Ratio Lower Upper
83 100
55 85.5 68.2 102.4
98 46.8 38.1 57.1





#37

1,2-Dichloropropane

Concen: 20.629 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

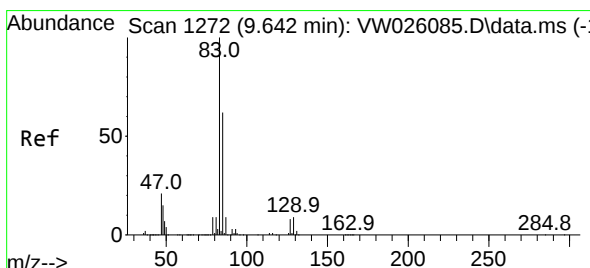
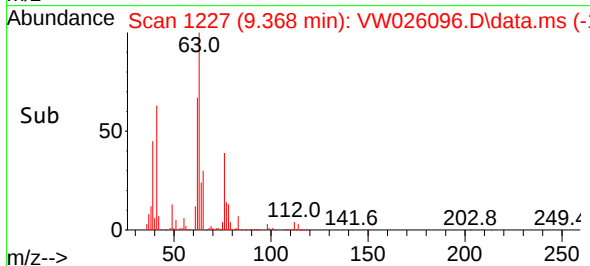
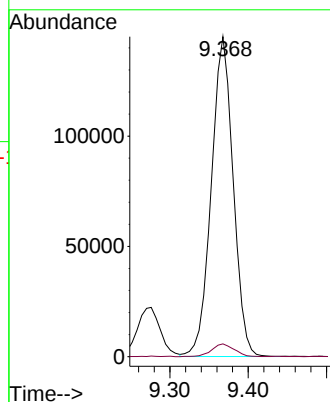
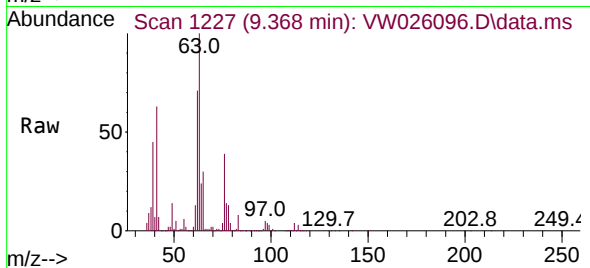
EW990MS

Tgt Ion: 63 Resp: 281547

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 19.526 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

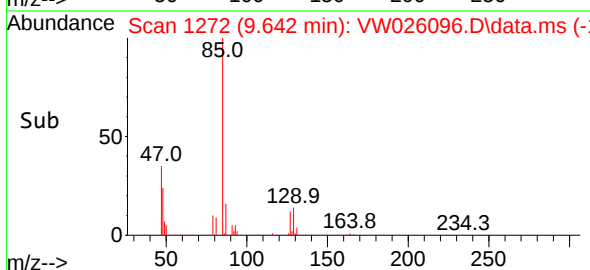
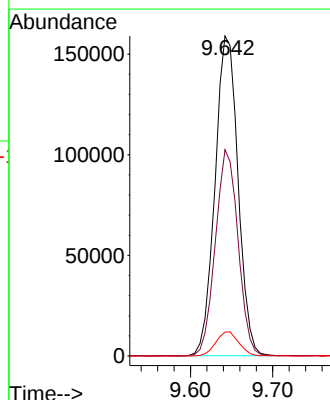
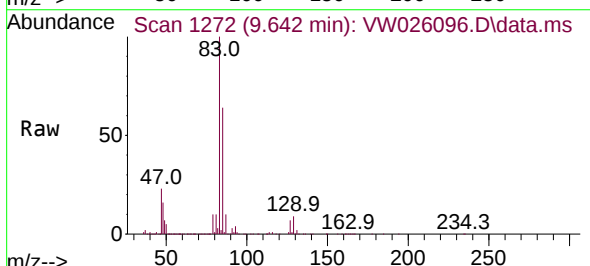
Tgt Ion: 83 Resp: 309613

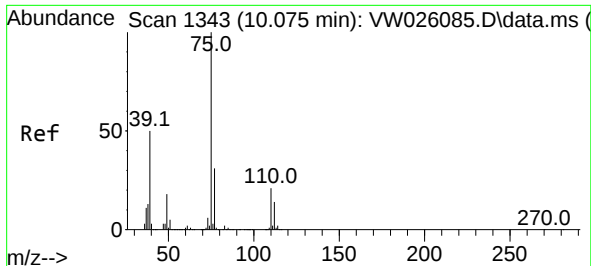
Ion Ratio Lower Upper

83 100

85 64.5 44.2 82.0

127 7.4 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 18.718 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

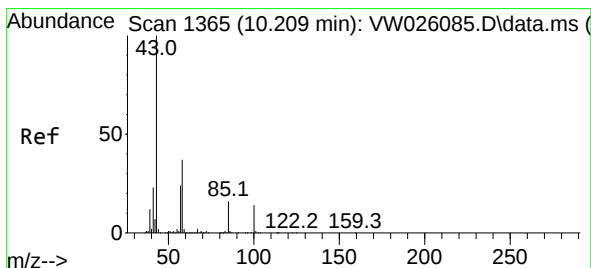
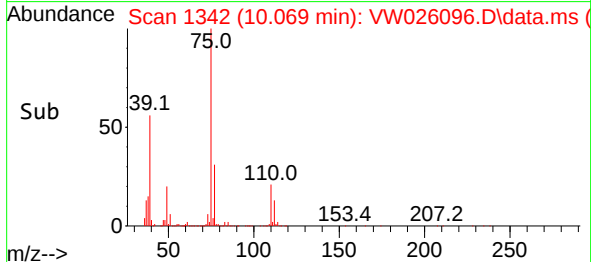
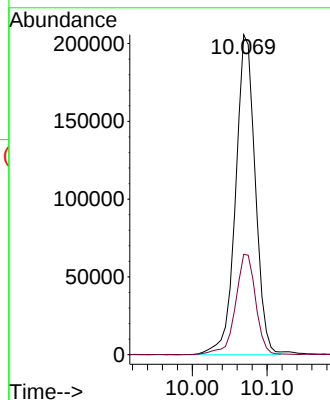
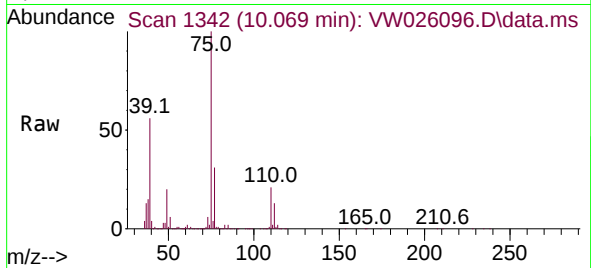
EW990MS

Tgt Ion: 75 Resp: 375427

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 48.035 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

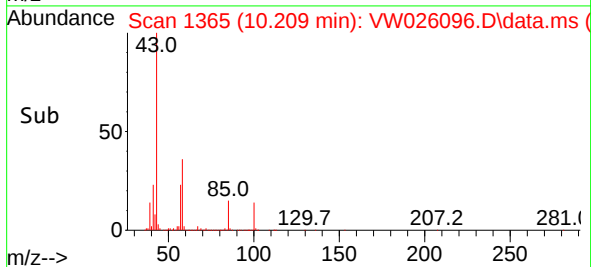
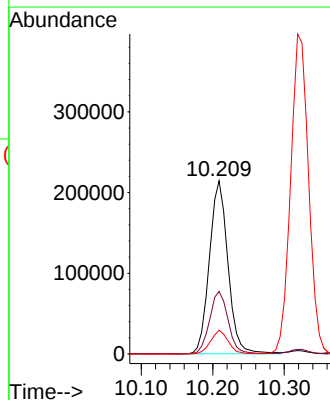
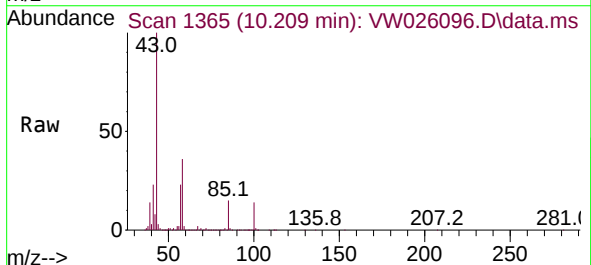
Tgt Ion: 43 Resp: 386518

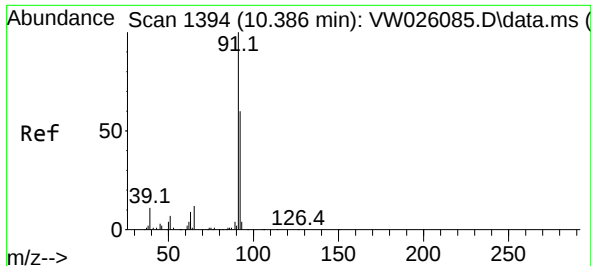
Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4

100 13.0 10.5 15.7

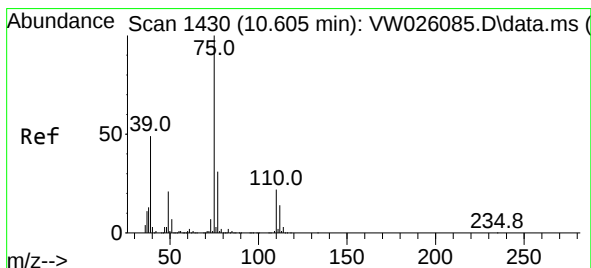
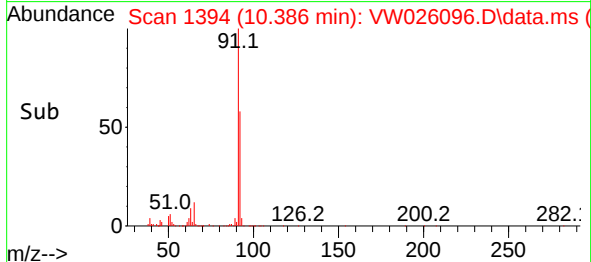
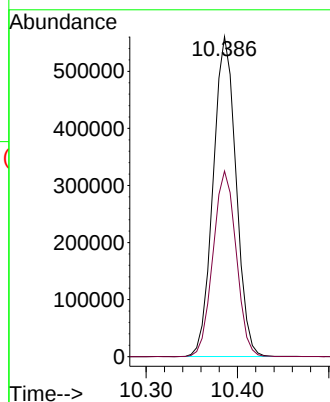
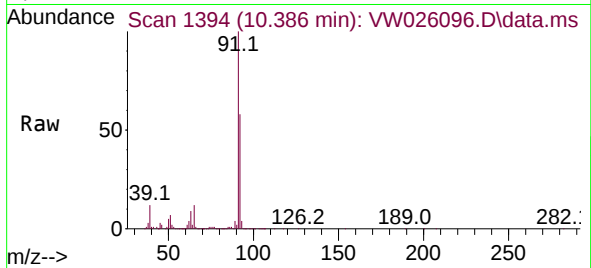




#42
Toluene
Concen: 18.917 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

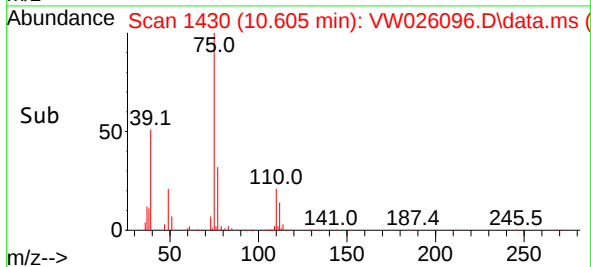
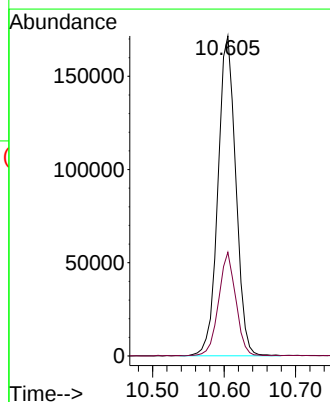
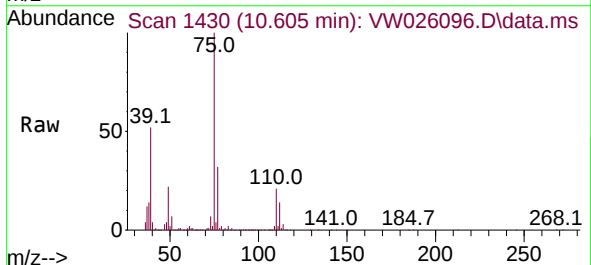
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

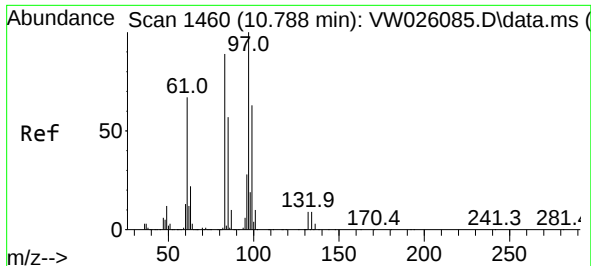
Tgt Ion: 91 Resp: 974982
Ion Ratio Lower Upper
91 100
92 58.0 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 17.797 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 75 Resp: 297373
Ion Ratio Lower Upper
75 100
77 32.4 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 19.733 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

EW990MS

Tgt Ion: 97 Resp: 177497

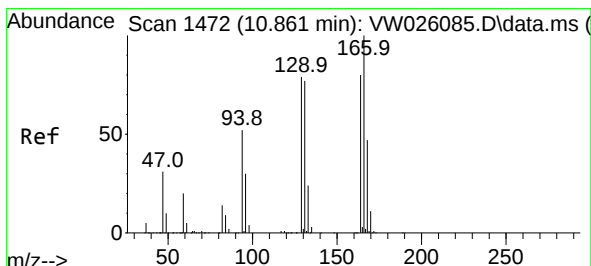
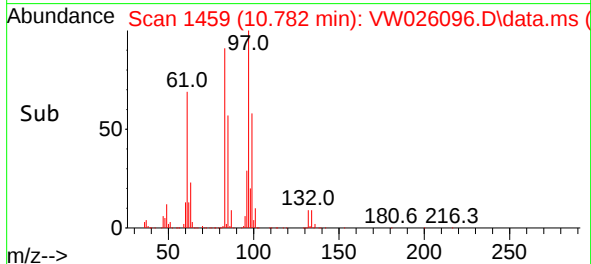
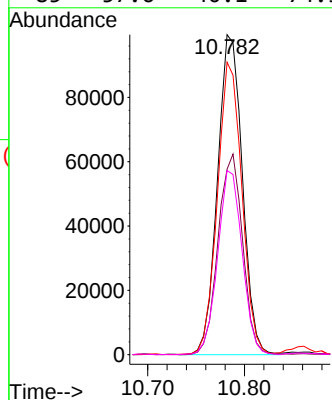
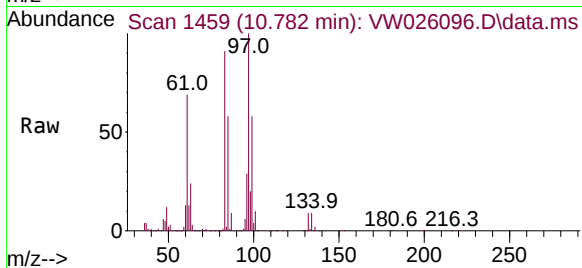
Ion Ratio Lower Upper

97 100

99 58.0 43.3 80.5

83 91.4 62.9 116.9

85 57.6 40.1 74.5



#46

Tetrachloroethene

Concen: 16.603 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Tgt Ion:164 Resp: 151528

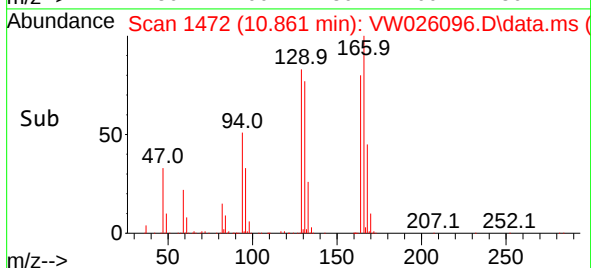
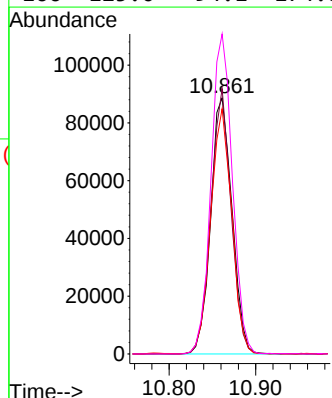
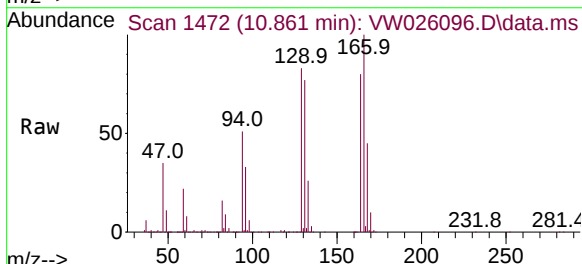
Ion Ratio Lower Upper

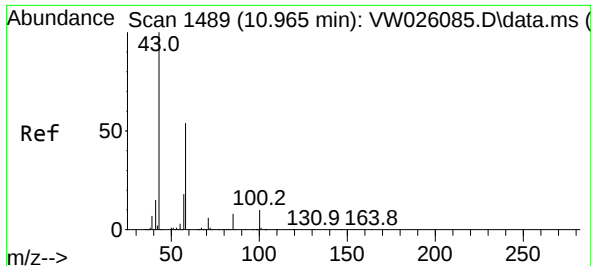
164 100

129 103.7 68.5 127.1

131 95.8 67.1 124.7

166 125.0 94.1 174.8

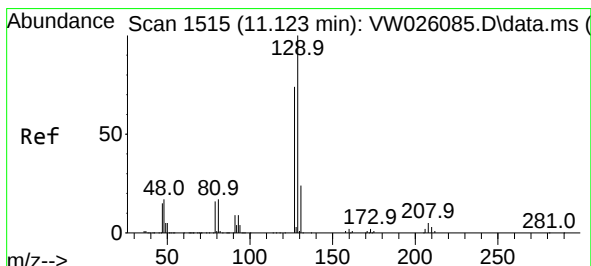
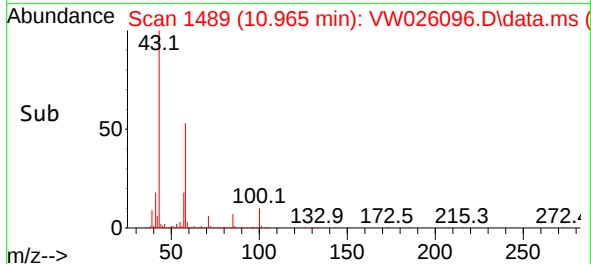
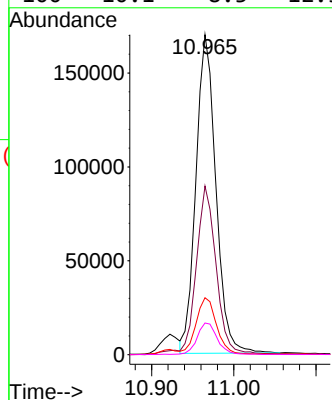
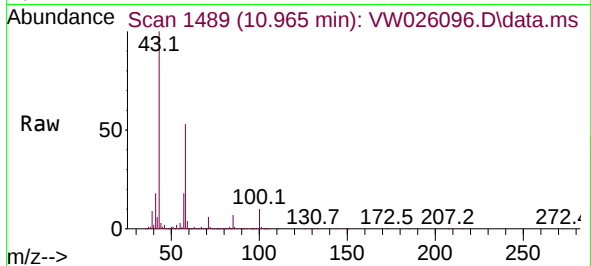




#48
2-Hexanone
Concen: 50.486 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

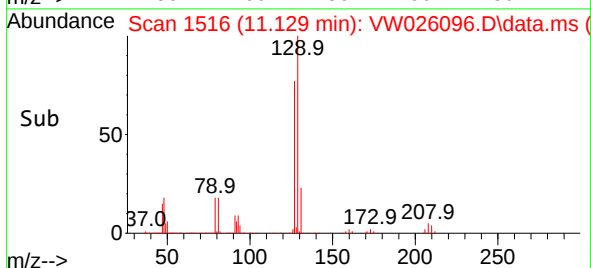
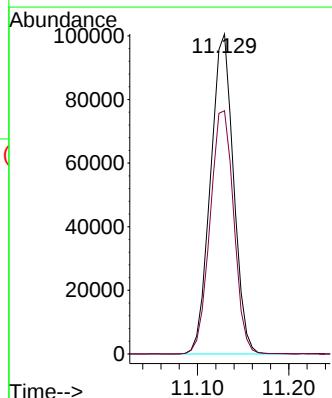
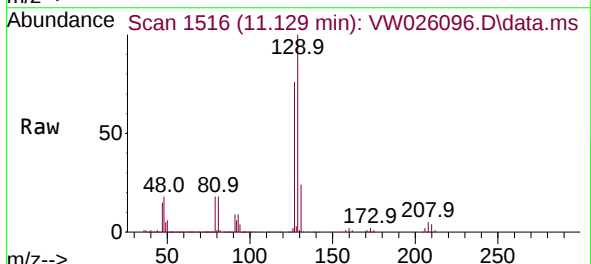
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

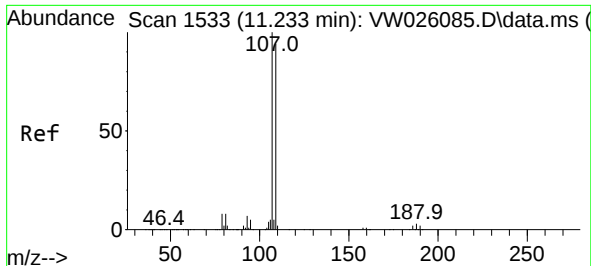
Tgt Ion: 43 Resp: 286436
Ion Ratio Lower Upper
43 100
58 51.9 42.2 63.2
57 18.4 14.2 21.2
100 10.1 8.3 12.5



#49
Dibromochloromethane
Concen: 18.640 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 129 Resp: 175791
Ion Ratio Lower Upper
129 100
127 76.0 56.9 105.7





#50

1,2-Dibromoethane

Concen: 17.714 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

EW990MS

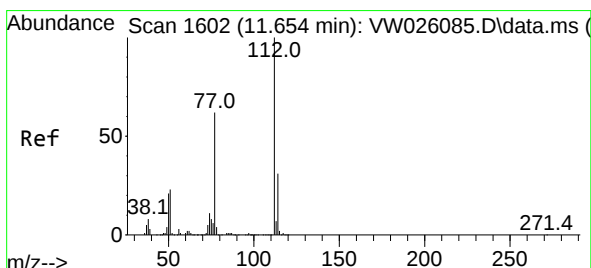
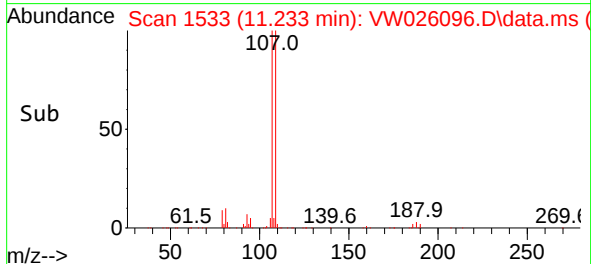
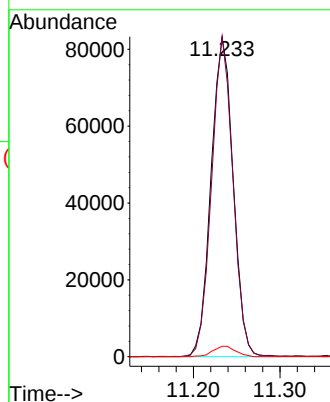
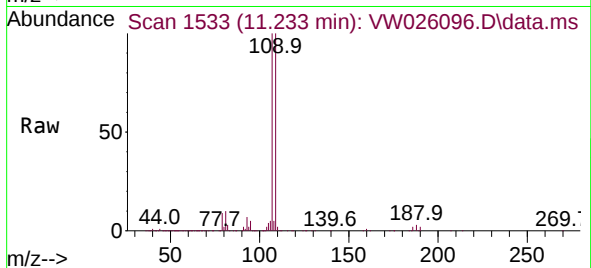
Tgt Ion:107 Resp: 147537

Ion Ratio Lower Upper

107 100

109 100.2 64.0 119.0

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 16.239 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

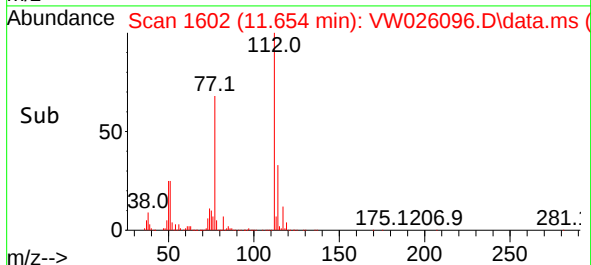
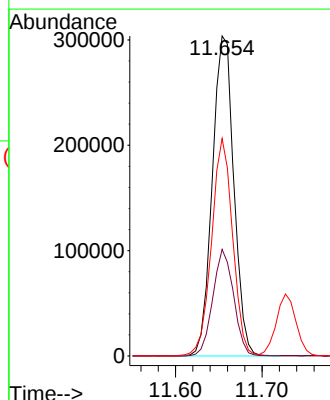
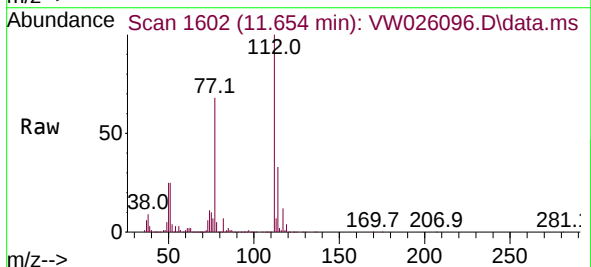
Tgt Ion:112 Resp: 524452

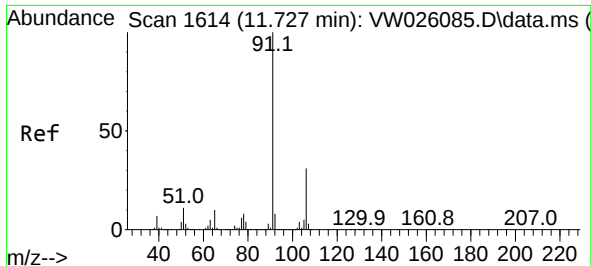
Ion Ratio Lower Upper

112 100

114 33.3 23.0 42.6

77 67.9 50.9 76.3





#52

Ethylbenzene

Concen: 17.352 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

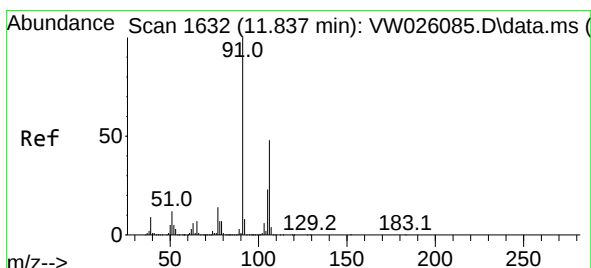
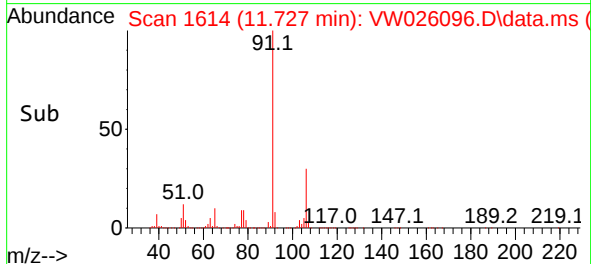
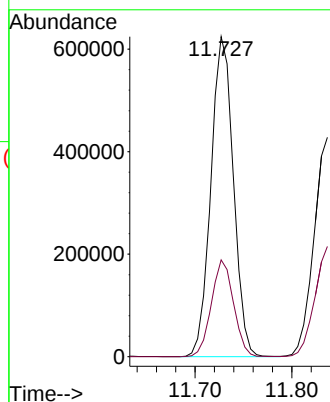
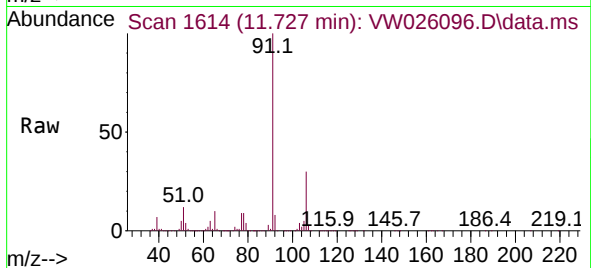
EW990MS

Tgt Ion: 91 Resp: 1008853

Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



#53

m,p-Xylene

Concen: 17.502 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026096.D

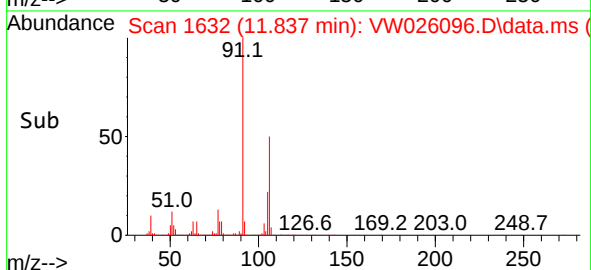
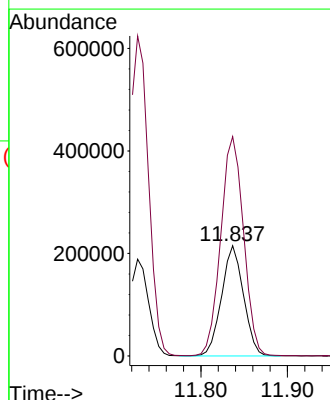
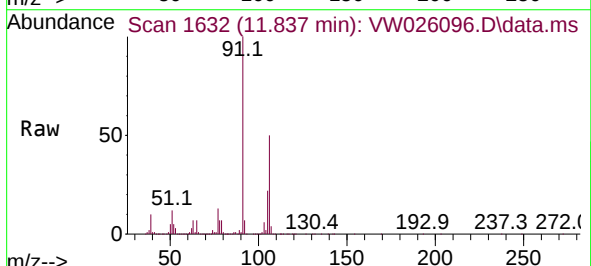
Acq: 30 May 2023 18:05

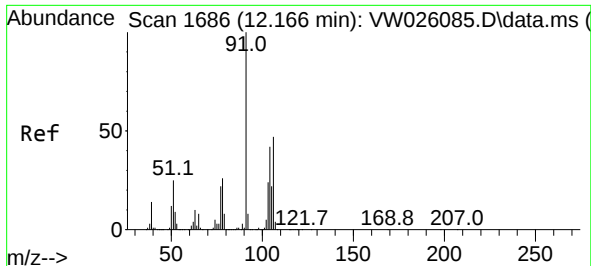
Tgt Ion:106 Resp: 378551

Ion Ratio Lower Upper

106 100

91 198.9 149.5 277.7

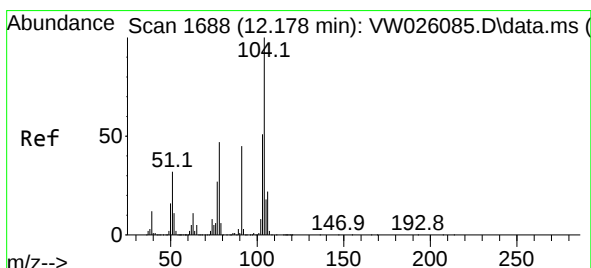
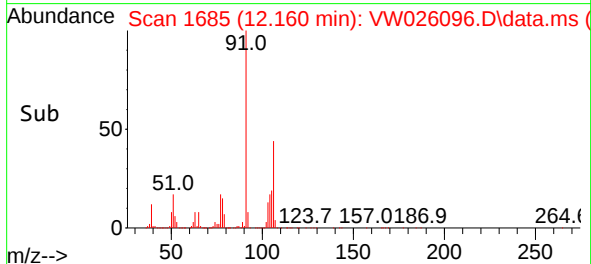
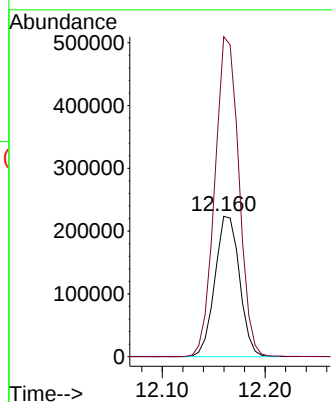
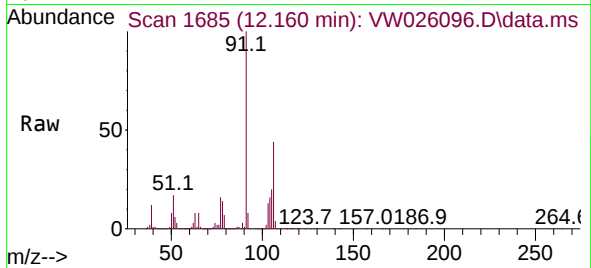




#54
o-Xylene
Concen: 18.235 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

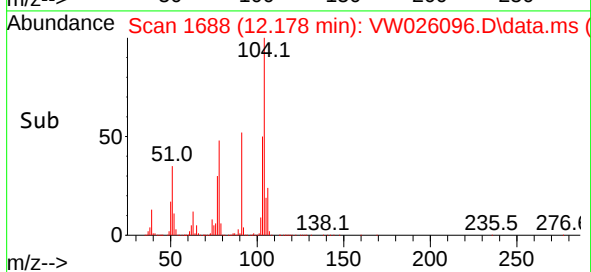
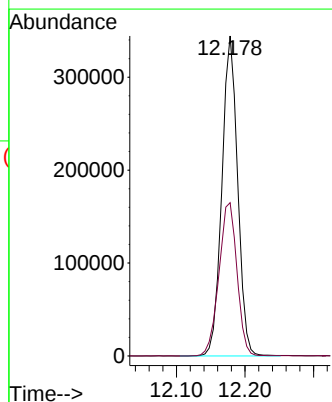
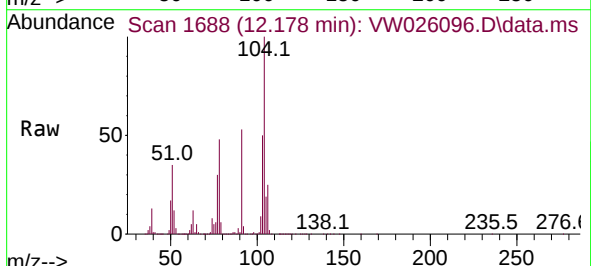
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

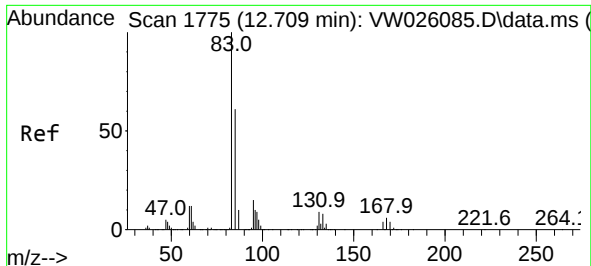
Tgt Ion:106 Resp: 372242
Ion Ratio Lower Upper
106 100
91 227.9 150.9 280.3



#55
Styrene
Concen: 15.662 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion:104 Resp: 548498
Ion Ratio Lower Upper
104 100
78 47.9 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 19.740 ug/L

RT: 12.715 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

EW990MS

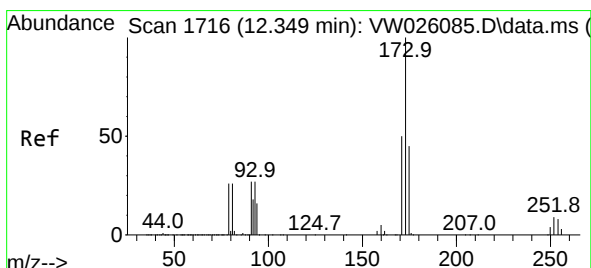
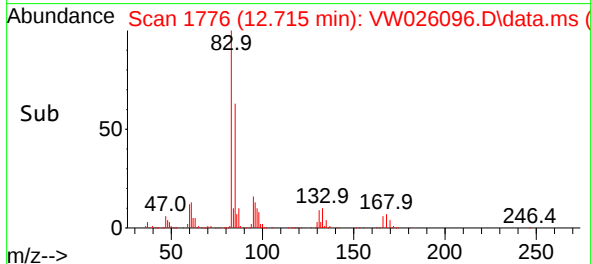
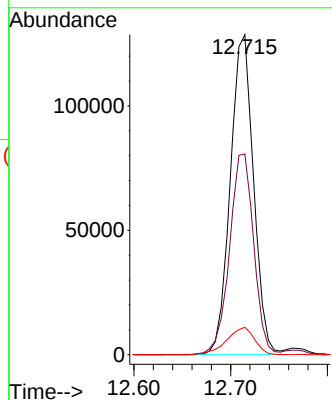
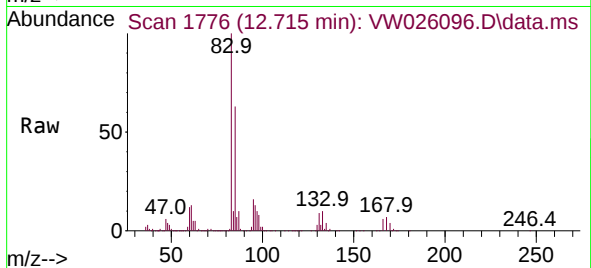
Tgt Ion: 83 Resp: 214887

Ion Ratio Lower Upper

83 100

85 62.7 42.6 79.0

131 8.6 7.2 10.8



#59

Bromoform

Concen: 23.699 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

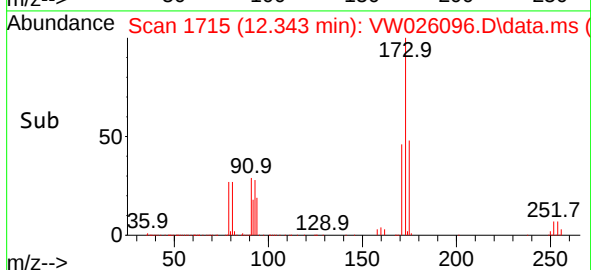
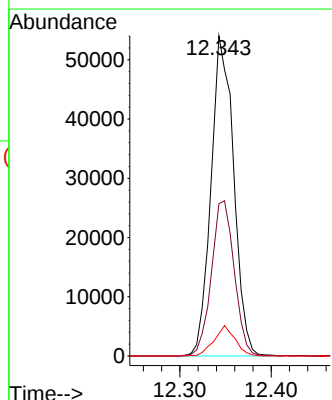
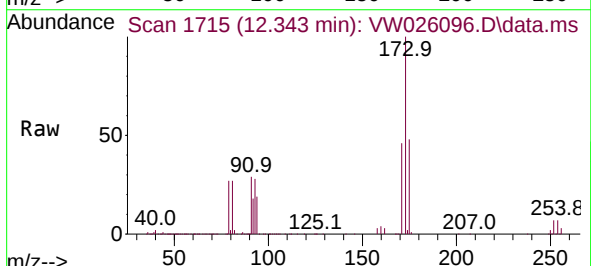
Tgt Ion: 173 Resp: 93135

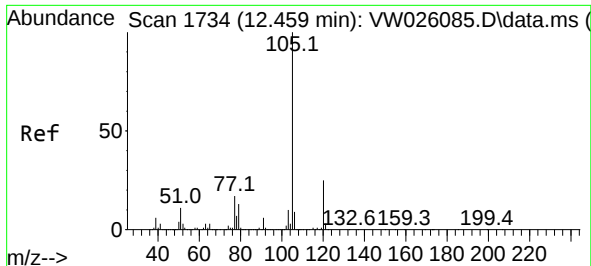
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 8.8 7.4 11.0

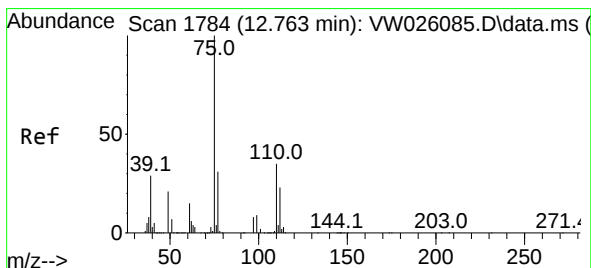
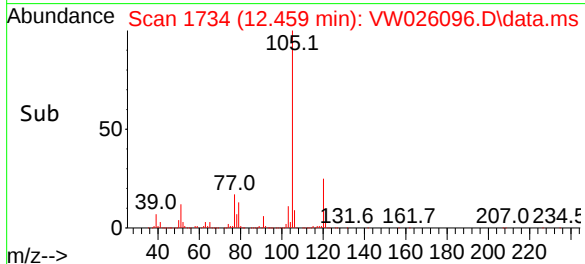
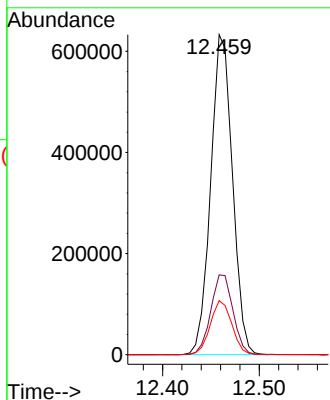
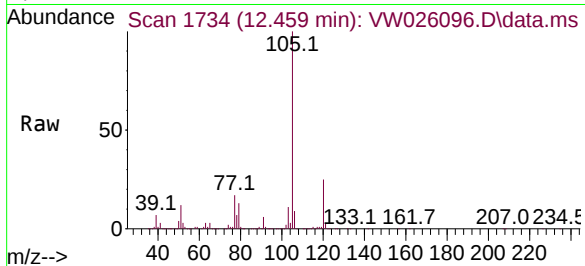




#60
Isopropylbenzene
Concen: 24.089 ug/L
RT: 12.459 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

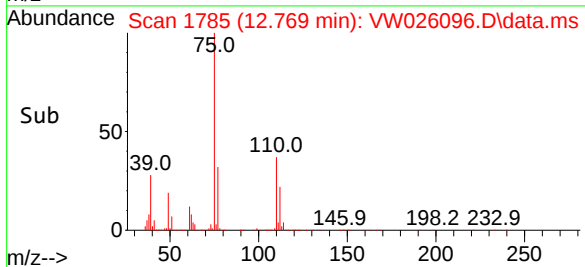
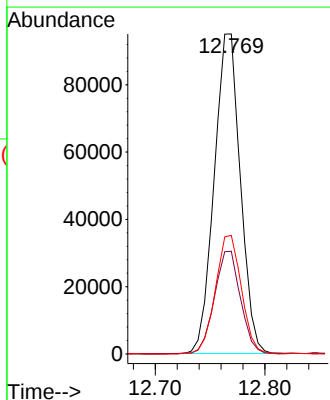
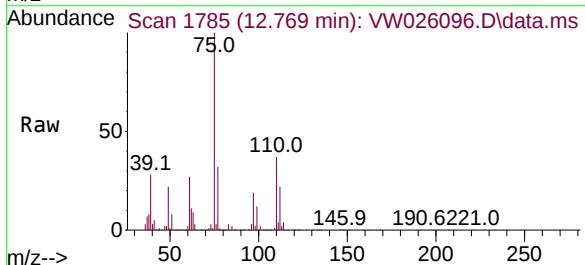
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

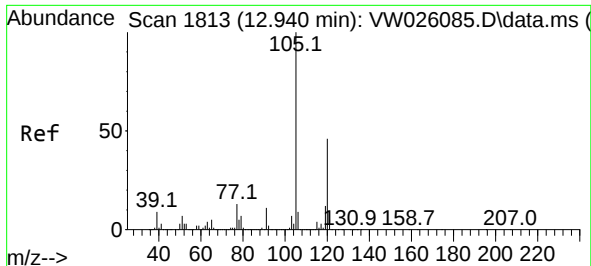
Tgt Ion:105 Resp: 990138
Ion Ratio Lower Upper
105 100
120 25.4 19.8 29.8
77 16.7 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 26.848 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion: 75 Resp: 157353
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
110 37.0 28.7 43.1

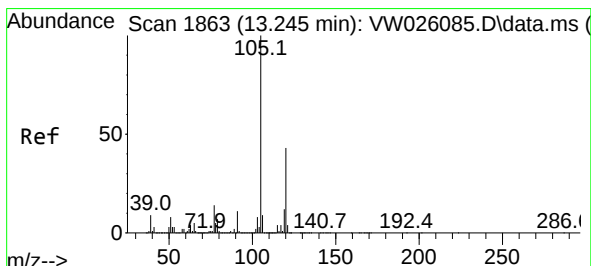
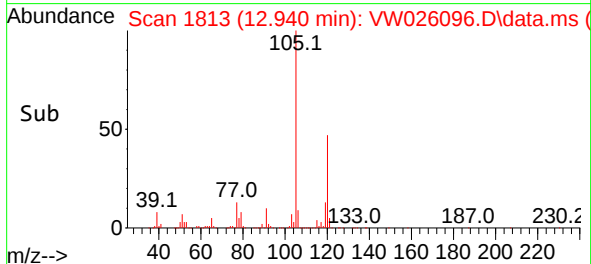
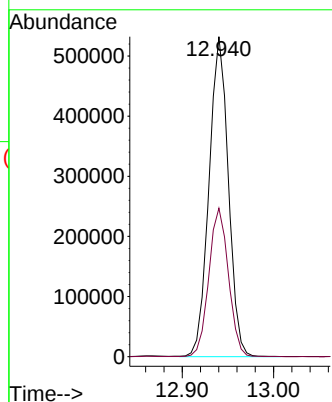
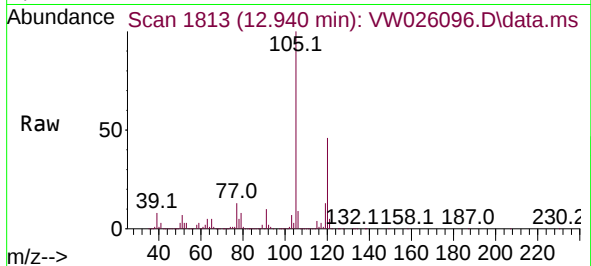




#62
1,3,5-Trimethylbenzene
Concen: 23.918 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

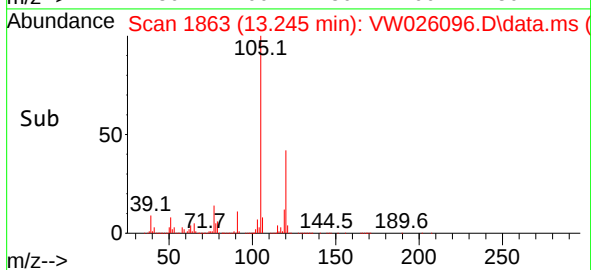
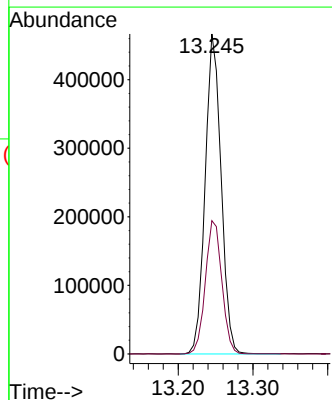
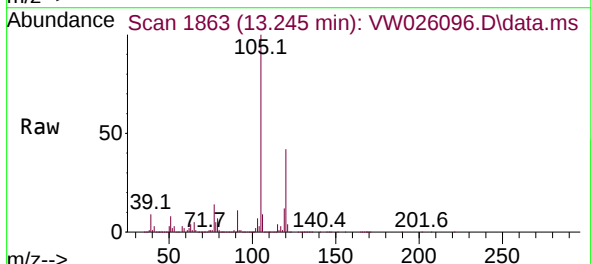
Instrument :
MSVOA_W
ClientSampleId :
EW990MS

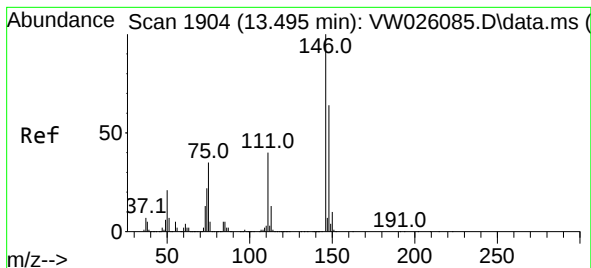
Tgt Ion:105 Resp: 781505
Ion Ratio Lower Upper
105 100
120 47.1 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 23.065 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW026096.D
Acq: 30 May 2023 18:05

Tgt Ion:105 Resp: 690265
Ion Ratio Lower Upper
105 100
120 43.1 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 16.481 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

EW990MS

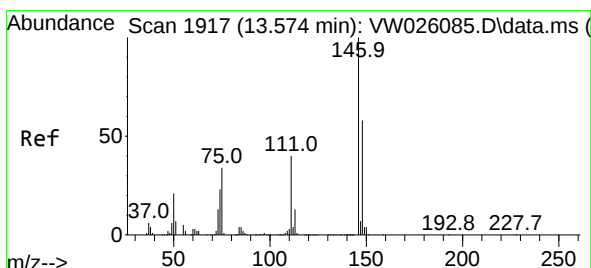
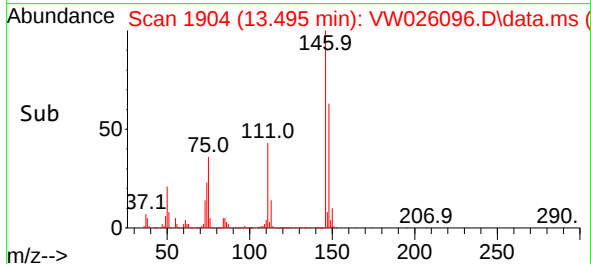
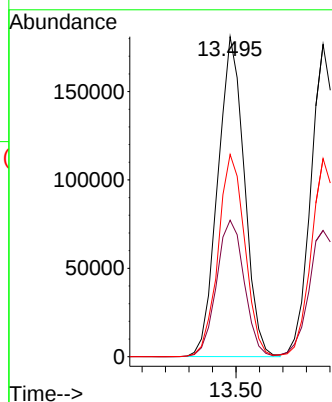
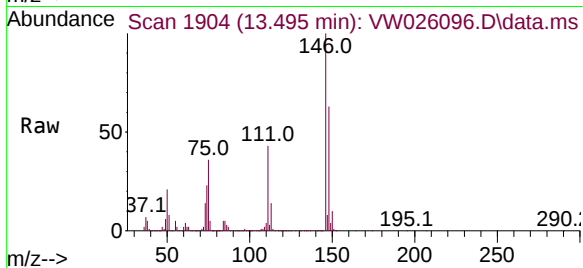
Tgt Ion:146 Resp: 284825

Ion Ratio Lower Upper

146 100

111 42.7 29.7 55.1

148 63.2 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 15.868 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

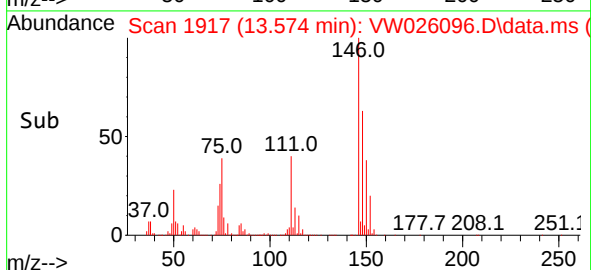
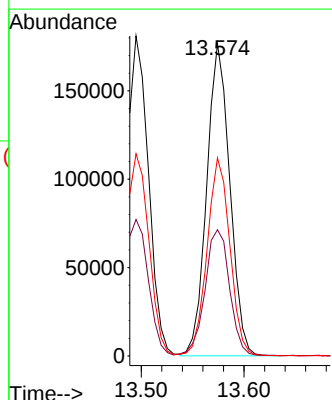
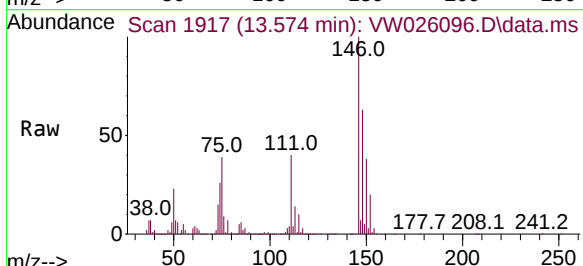
Tgt Ion:146 Resp: 276093

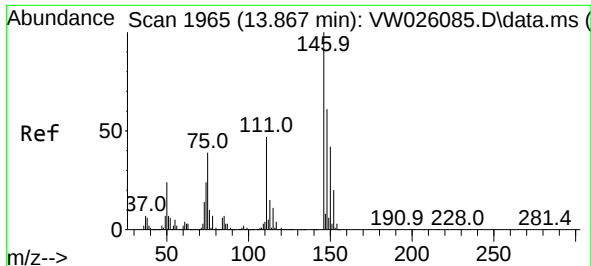
Ion Ratio Lower Upper

146 100

111 40.4 29.2 54.2

148 63.4 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 18.486 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

EW990MS

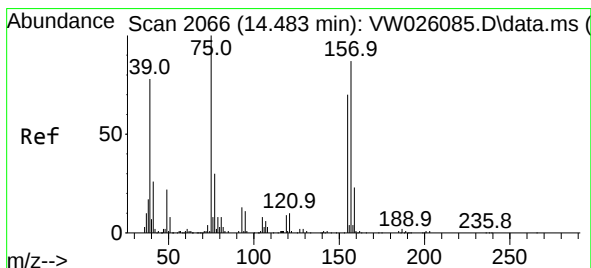
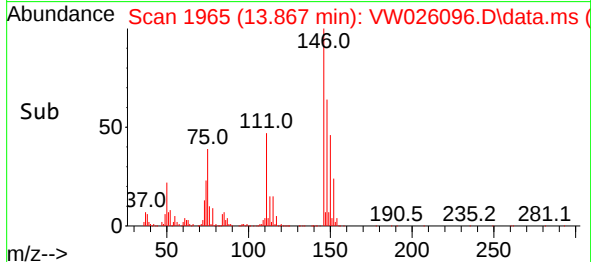
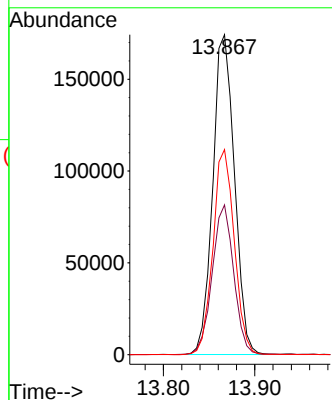
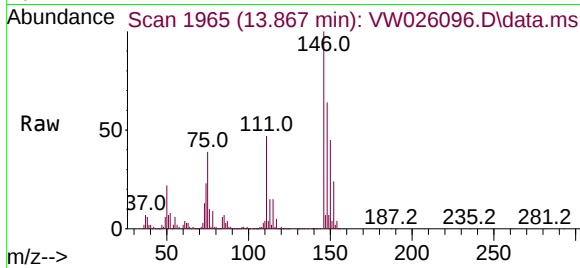
Tgt Ion:146 Resp: 286881

Ion Ratio Lower Upper

146 100

111 46.8 35.4 53.0

148 64.1 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.648 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

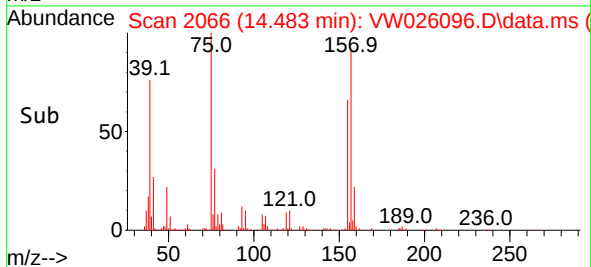
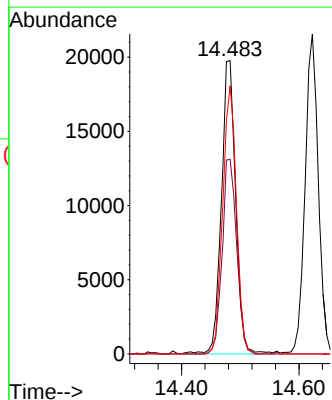
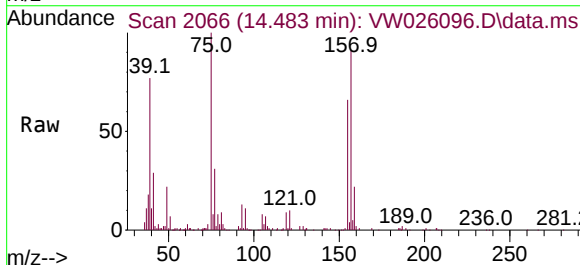
Tgt Ion: 75 Resp: 33469

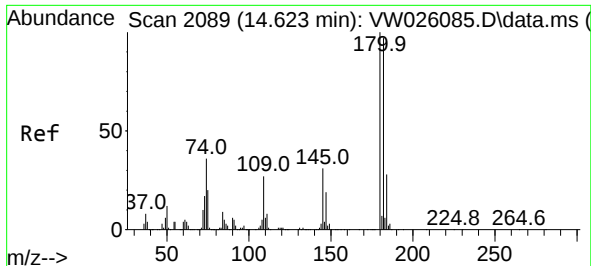
Ion Ratio Lower Upper

75 100

155 66.3 59.0 88.6

157 91.4 71.7 107.5

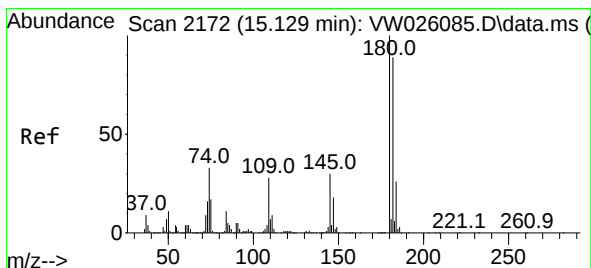
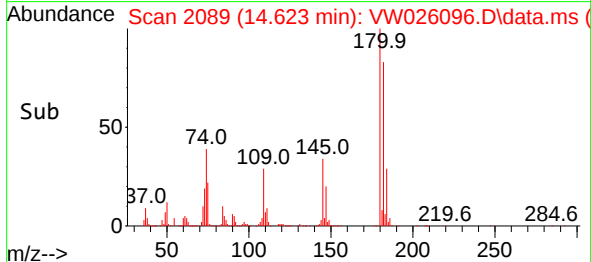
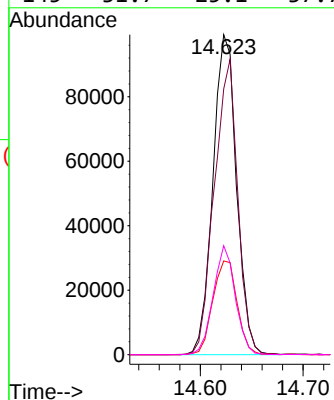
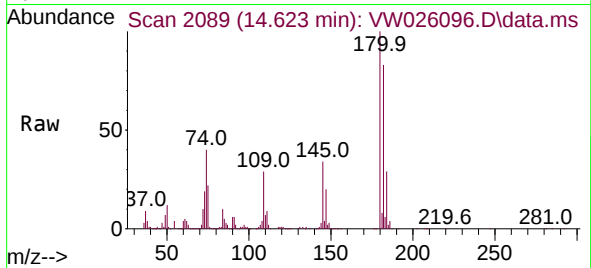




#69
 1,3,5-Trichlorobenzene
 Concen: 13.379 ug/L
 RT: 14.623 min Scan# 2089
 Delta R.T. -0.000 min
 Lab File: VW026096.D
 Acq: 30 May 2023 18:05

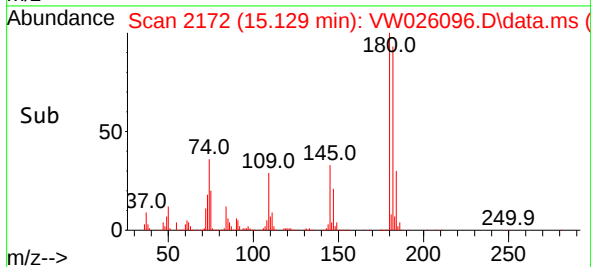
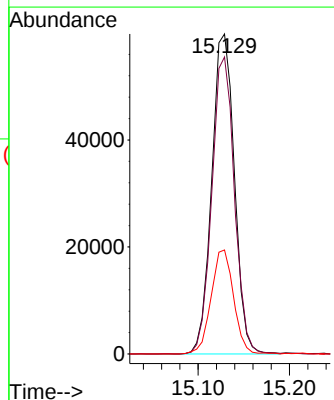
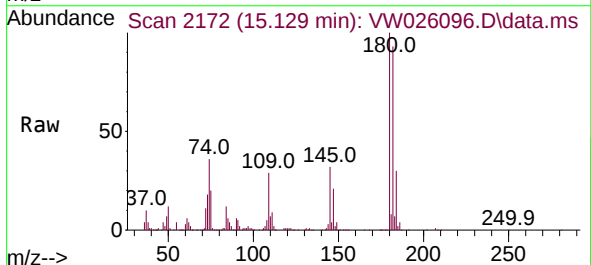
Instrument :
 MSVOA_W
 ClientSampleId :
 EW990MS

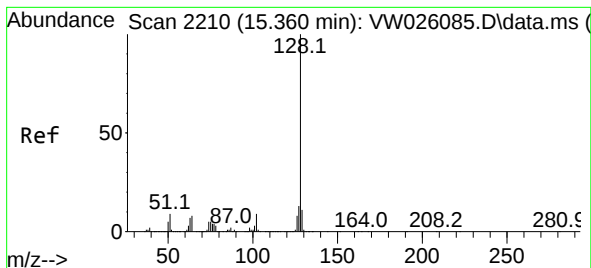
Tgt Ion:180 Resp: 158830
 Ion Ratio Lower Upper
 180 100
 182 91.0 77.0 115.4
 184 30.1 23.7 35.5
 145 31.7 25.1 37.7



#70
 1,2,4-trichlorobenzene
 Concen: 10.520 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. -0.000 min
 Lab File: VW026096.D
 Acq: 30 May 2023 18:05

Tgt Ion:180 Resp: 103050
 Ion Ratio Lower Upper
 180 100
 182 92.7 78.9 118.3
 145 32.2 27.2 40.8





#71

Naphthalene

Concen: 16.351 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Instrument :

MSVOA_W

ClientSampleId :

EW990MS

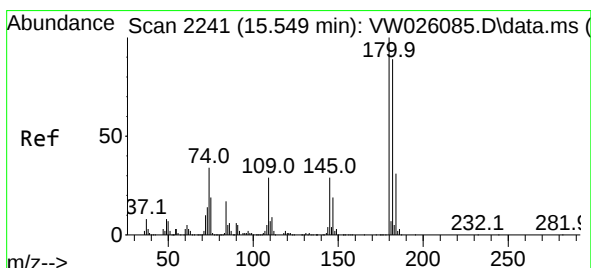
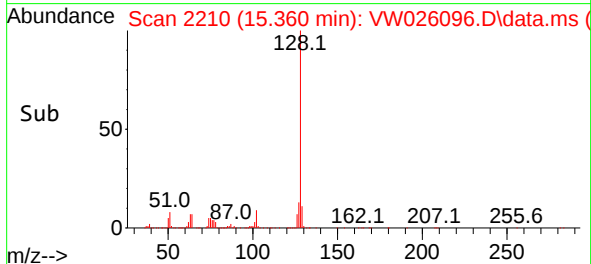
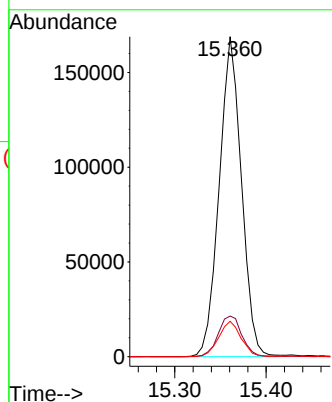
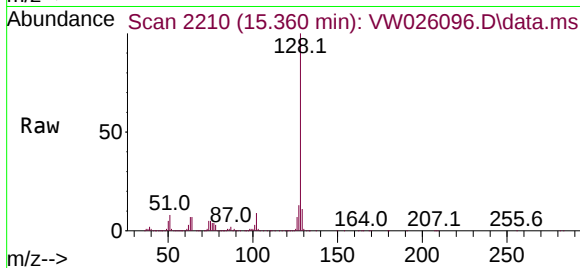
Tgt Ion:128 Resp: 285471

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 11.2 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 11.882 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026096.D

Acq: 30 May 2023 18:05

Tgt Ion:180 Resp: 101721

Ion Ratio Lower Upper

180 100

182 100.3 76.3 114.5

145 35.9 27.0 40.6

