

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026097.D
 Acq On : 30 May 2023 18:29
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025503

Quant Time: May 31 02:13:25 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	784745	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	698134	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	342977	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	261032	23.645	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.560%
7) Chloroethane-d5	2.893	69	210530	25.475	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.920%
11) 1,1-Dichloroethene-d2	4.021	65	127585	23.438	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.760%
21) 2-Butanone-d5	7.075	46	179366	55.807	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.620%
24) Chloroform-d	7.648	84	518818	22.577	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.320%
26) 1,2-Dichloroethane-d4	8.307	65	291304	23.182	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.720%
32) Benzene-d6	8.276	84	1071899	22.818	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.280%
36) 1,2-Dichloropropane-d6	9.270	67	340275	22.864	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.440%
41) Toluene-d8	10.319	98	944008	22.660	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.640%
43) trans-1,3-Dichloroprop...	10.575	79	132745	22.509	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.040%
47) 2-Hexanone-d5	10.922	63	130578	55.644	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.280%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	270199	24.949	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.800%
66) 1,2-Dichlorobenzene-d4	13.848	152	290888	22.158	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	187540	19.495	ug/L	91
3) Chloromethane	2.222	50	301719	24.460	ug/L	98
5) Vinyl chloride	2.381	62	304166	23.069	ug/L	100
6) Bromomethane	2.783	94	166934	23.224	ug/L	98
8) Chloroethane	2.930	64	177016	24.844	ug/L	97
9) Trichlorofluoromethane	3.265	101	177817	20.963	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	240583	22.477	ug/L	93
12) 1,1-Dichloroethene	4.045	96	222771	22.296	ug/L	92
13) Acetone	4.118	43	124728	50.153	ug/L	96
14) Carbon disulfide	4.393	76	778609	22.075	ug/L	99
15) Methyl Acetate	4.667	43	147550	26.435	ug/L	100
16) Methylene chloride	4.917	84	301793	24.095	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	244638	21.823	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	406706	23.019	ug/L	100
19) 1,1-Dichloroethane	6.216	63	506689	22.202	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	269434	22.690	ug/L	97
22) 2-Butanone	7.167	43	193836	54.639	ug/L	98
23) Bromochloromethane	7.514	128	115865	22.880	ug/L	91
25) Chloroform	7.673	83	475363	22.363	ug/L	100

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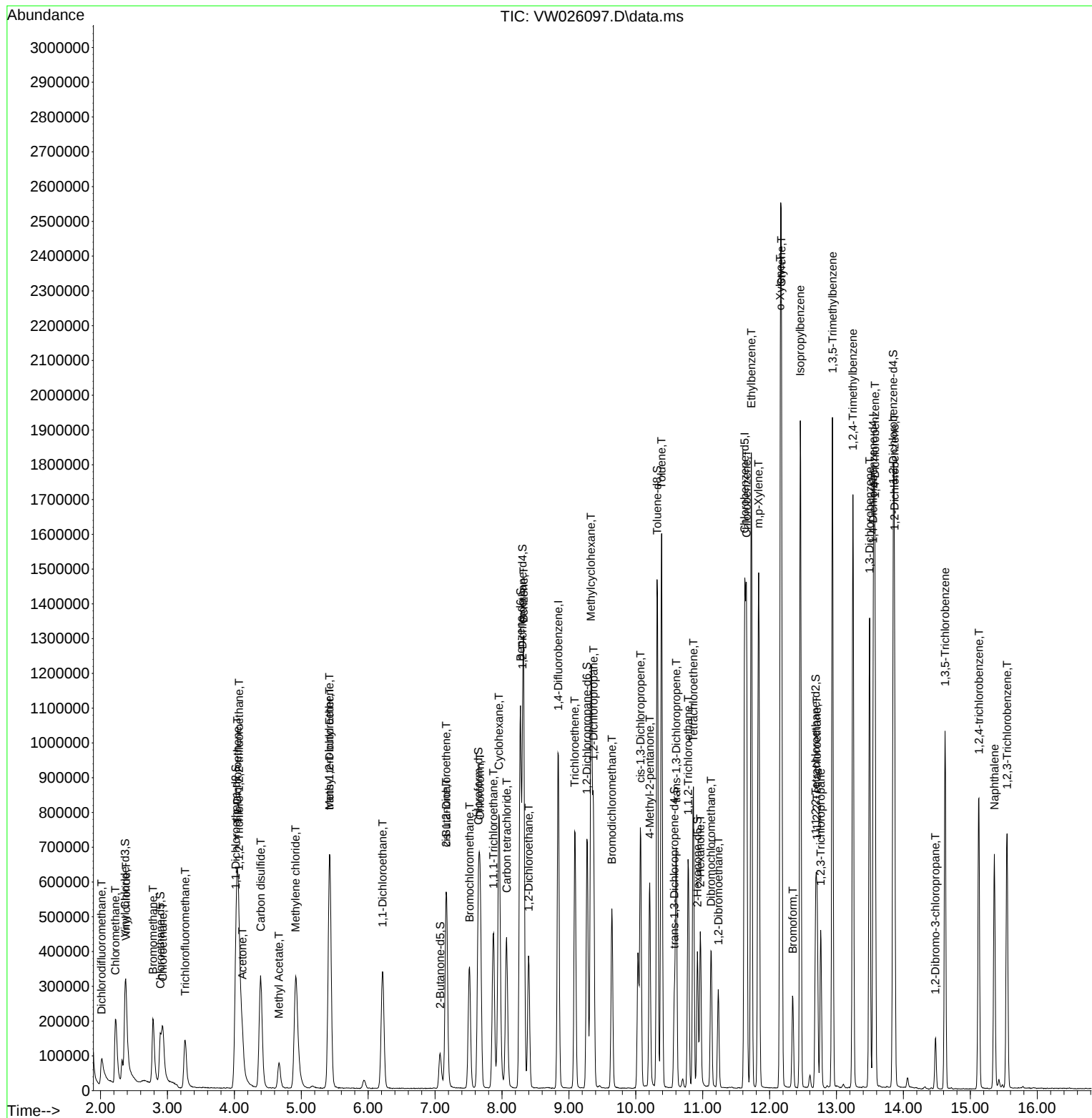
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	341150	23.270	ug/L	99
29) Cyclohexane	7.953	56	475354	22.055	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	363180	21.437	ug/L	100
31) Carbon tetrachloride	8.069	117	320144	20.708	ug/L	99
33) Benzene	8.325	78	1070030	22.374	ug/L	100
34) Trichloroethene	9.087	95	266299	21.746	ug/L	94
35) Methylcyclohexane	9.331	83	479249	22.117	ug/L	99
37) 1,2-Dichloropropane	9.368	63	292144	22.553	ug/L	100
38) Bromodichloromethane	9.642	83	339505	22.560	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	436296	22.920	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	418863	54.847	ug/L	99
42) Toluene	10.386	91	1104819	22.586	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	367113	23.149	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	202871	23.763	ug/L	98
46) Tetrachloroethene	10.861	164	180182	20.802	ug/L	96
48) 2-Hexanone	10.965	43	297996	55.340	ug/L	99
49) Dibromochloromethane	11.123	129	207011	23.128	ug/L	92
50) 1,2-Dibromoethane	11.233	107	186043	23.536	ug/L #	94
51) Chlorobenzene	11.654	112	671376	21.903	ug/L	98
52) Ethylbenzene	11.727	91	1225399	22.207	ug/L	98
53) m,p-Xylene	11.837	106	458756	22.348	ug/L	97
54) o-Xylene	12.160	106	434049	22.403	ug/L	97
55) Styrene	12.178	104	764009	22.985	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	253311	24.518	ug/L	98
59) Bromoform	12.349	173	116403	22.596	ug/L	98
60) Isopropylbenzene	12.458	105	1192349	22.130	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	189396	24.653	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	967672	22.593	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	886415	22.596	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	502764	22.193	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	495812	21.739	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	447519	21.999	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	39462	22.170	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	297776	19.135	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	262722	20.460	ug/L	94
71) Naphthalene	15.360	128	539390	23.569	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	235195	20.958	ug/L	98

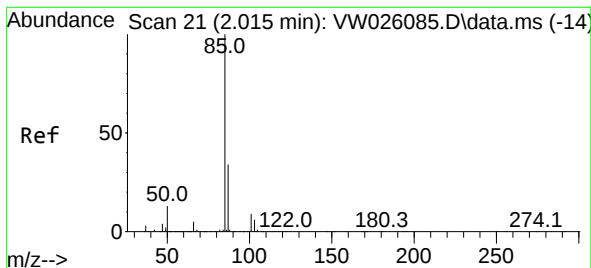
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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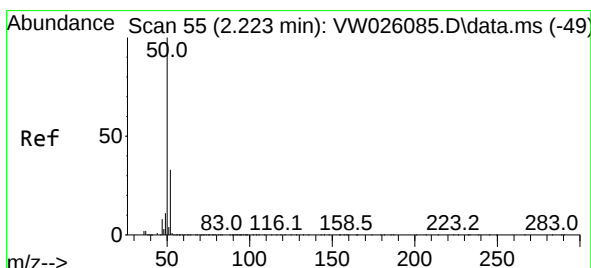
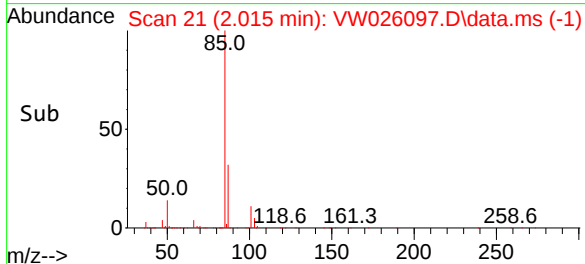
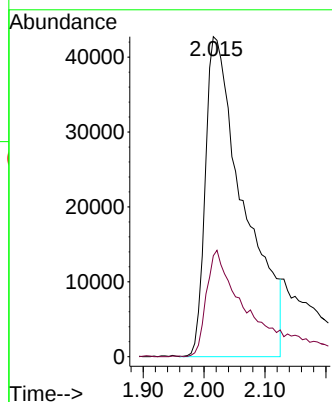
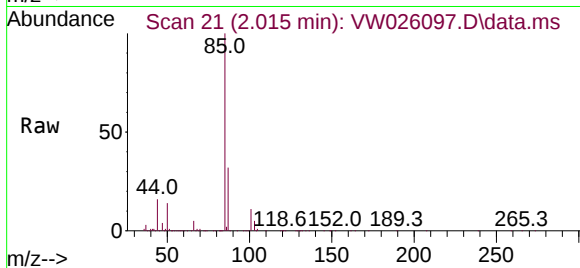




#2
 Dichlorodifluoromethane
 Concen: 19.495 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026097.D
 Acq: 30 May 2023 18:29

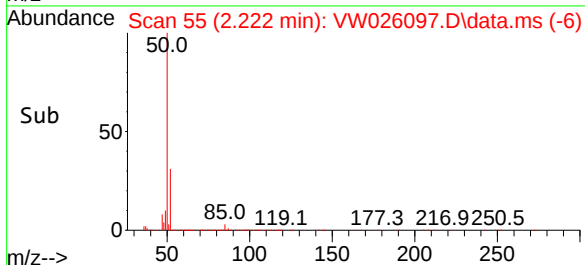
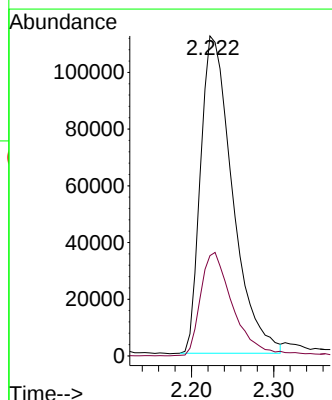
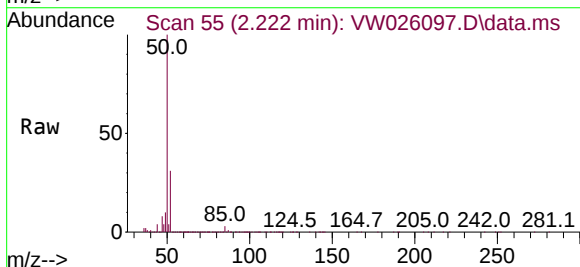
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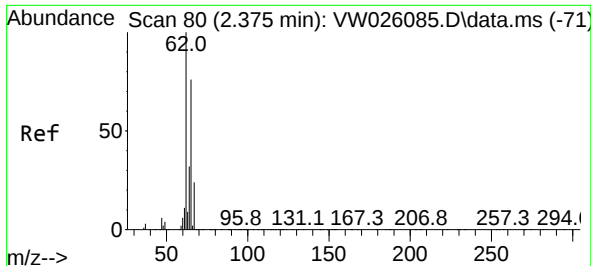
Tgt Ion: 85 Resp: 187540
 Ion Ratio Lower Upper
 85 100
 87 32.4 22.2 33.2



#3
 Chloromethane
 Concen: 24.460 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW026097.D
 Acq: 30 May 2023 18:29

Tgt Ion: 50 Resp: 301719
 Ion Ratio Lower Upper
 50 100
 52 31.4 21.3 39.6

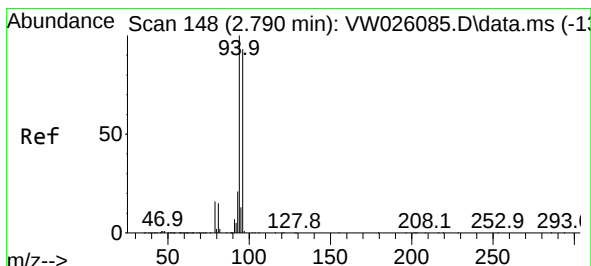
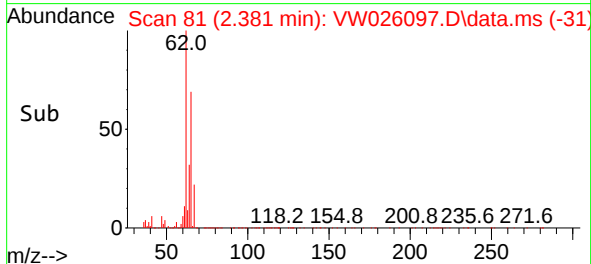
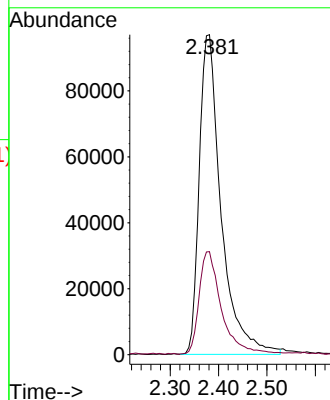
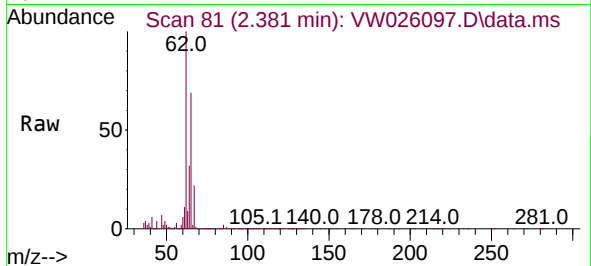




#5
 Vinyl chloride
 Concen: 23.069 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VW026097.D
 Acq: 30 May 2023 18:29

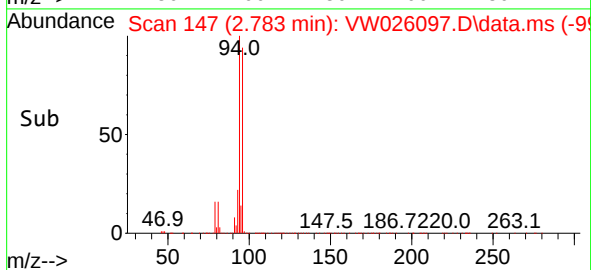
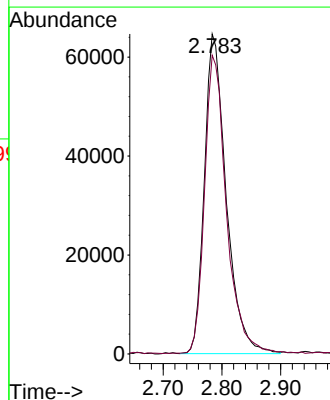
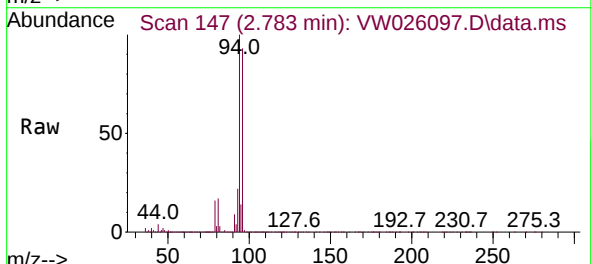
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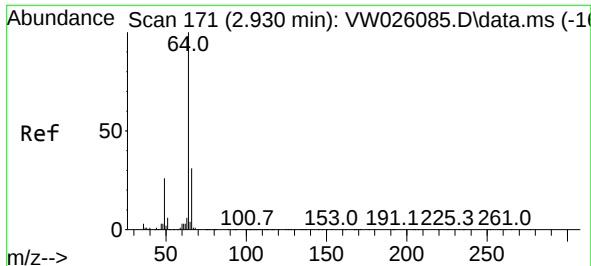
Tgt Ion: 62 Resp: 304166
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.7 42.1



#6
 Bromomethane
 Concen: 23.224 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026097.D
 Acq: 30 May 2023 18:29

Tgt Ion: 94 Resp: 166934
 Ion Ratio Lower Upper
 94 100
 96 93.4 64.2 119.2

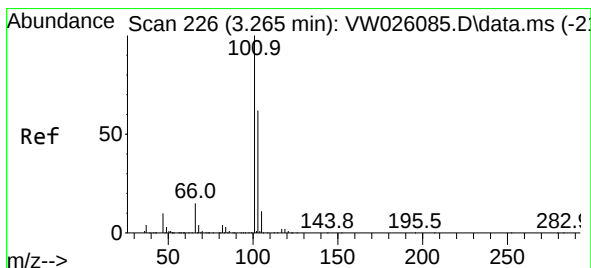
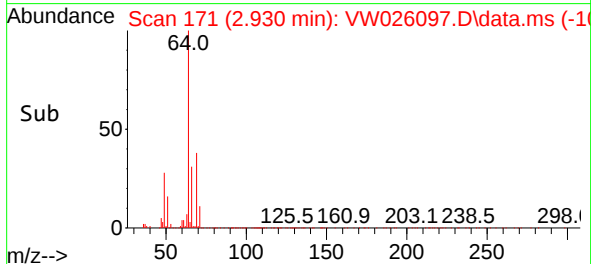
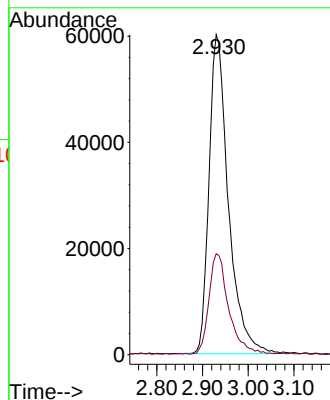
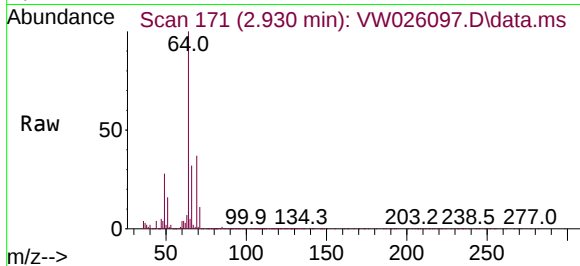




#8
Chloroethane
Concen: 24.844 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026097.D
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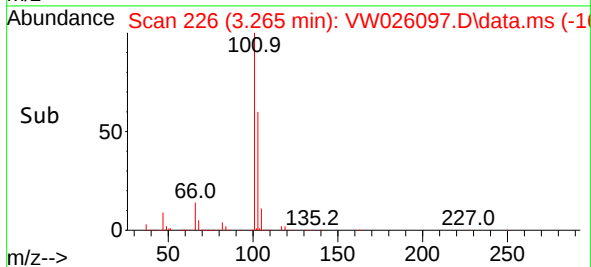
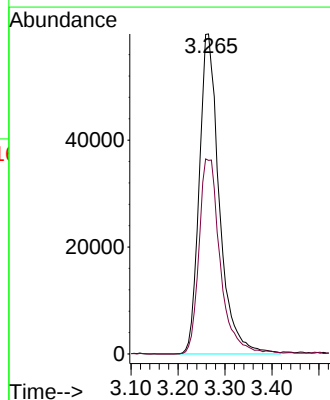
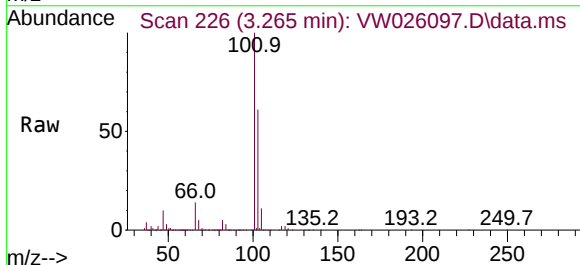
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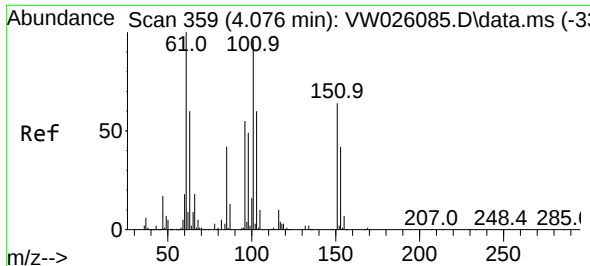
Tgt Ion: 64 Resp: 177016
Ion Ratio Lower Upper
64 100
66 31.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 20.963 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 101 Resp: 177817
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4

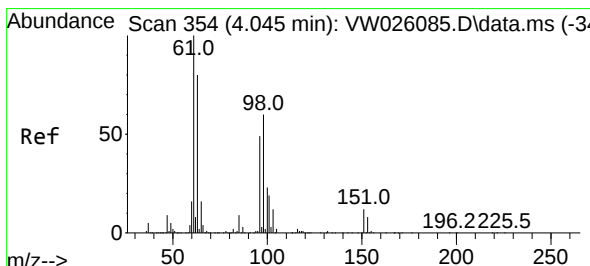
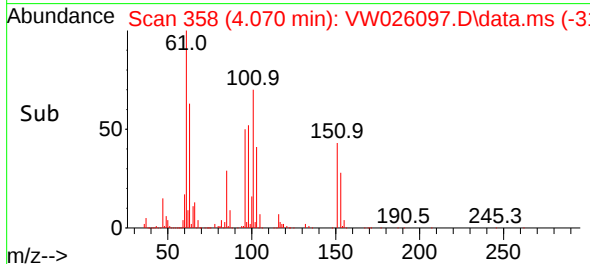
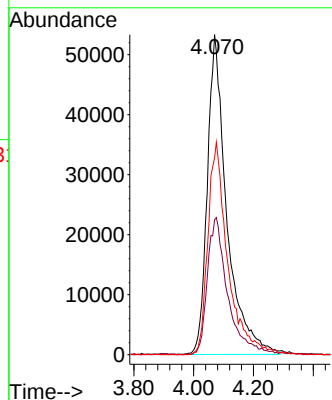
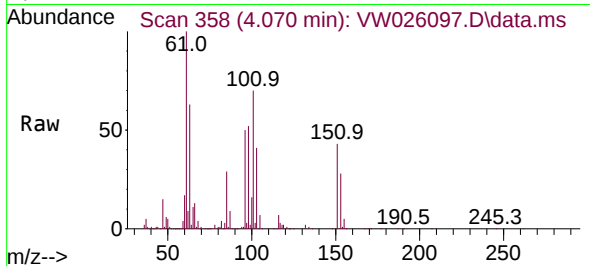




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.477 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW026097.D
 Acq: 30 May 2023 18:29

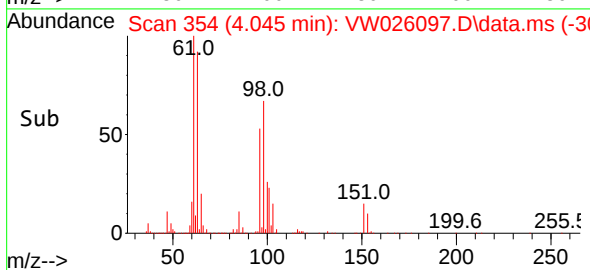
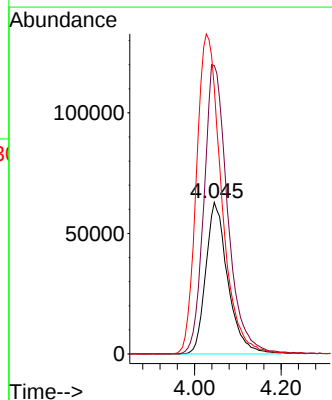
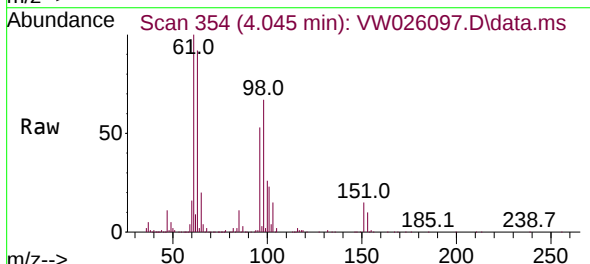
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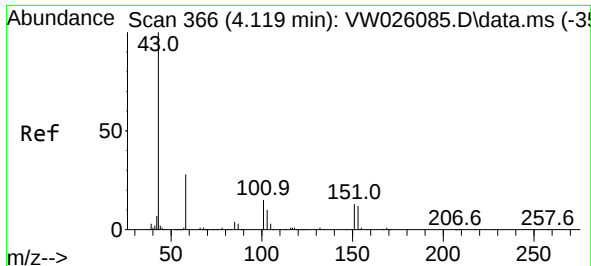
Tgt Ion:101 Resp: 240583
 Ion Ratio Lower Upper
 101 100
 85 44.2 36.1 54.1
 151 60.8 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 22.296 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026097.D
 Acq: 30 May 2023 18:29

Tgt Ion: 96 Resp: 222771
 Ion Ratio Lower Upper
 96 100
 61 190.5 140.6 261.0
 63 175.9 131.7 244.5

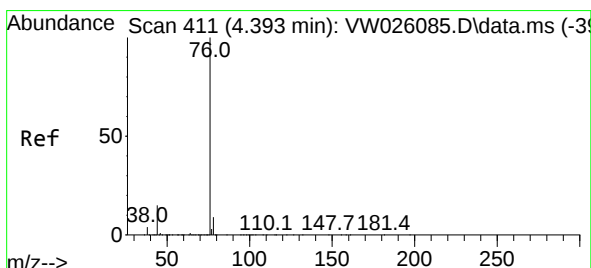
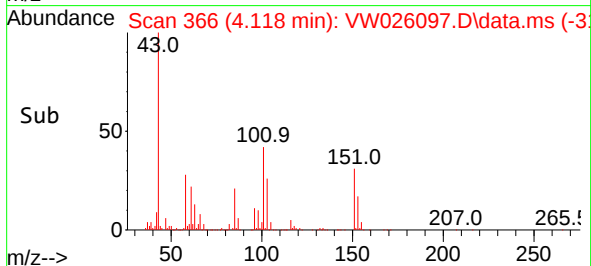
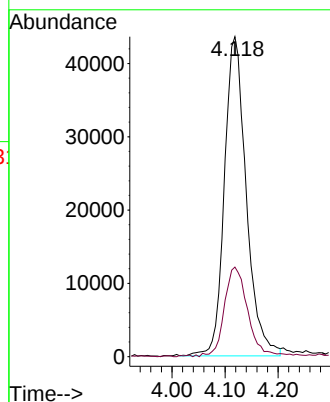
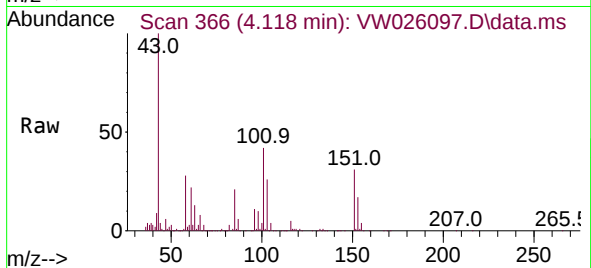




#13
Acetone
Concen: 50.153 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW026097.D
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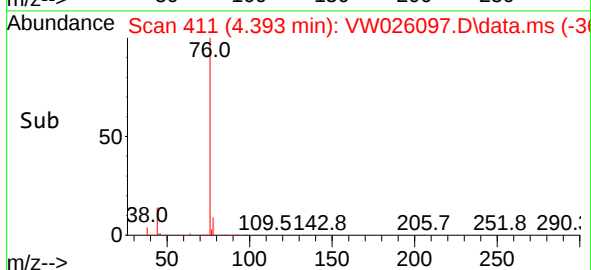
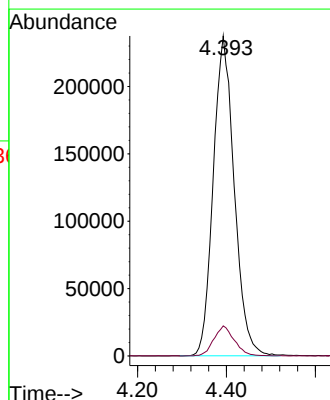
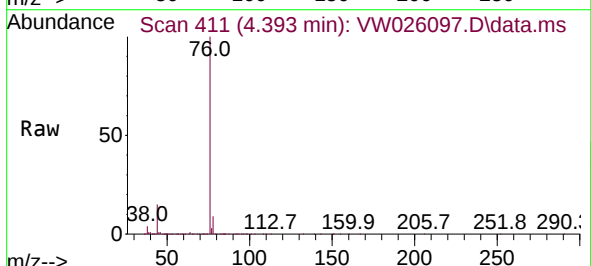
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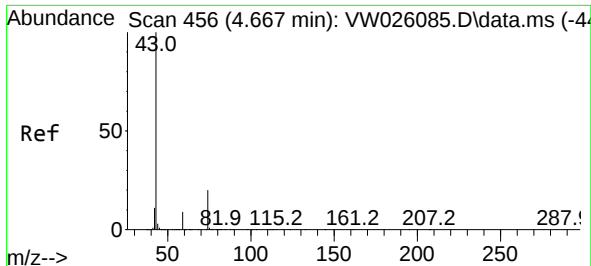
Tgt Ion: 43 Resp: 124728
Ion Ratio Lower Upper
43 100
58 27.0 0.0 58.2



#14
Carbon disulfide
Concen: 22.075 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
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Acq: 30 May 2023 18:29

Tgt Ion: 76 Resp: 778609
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

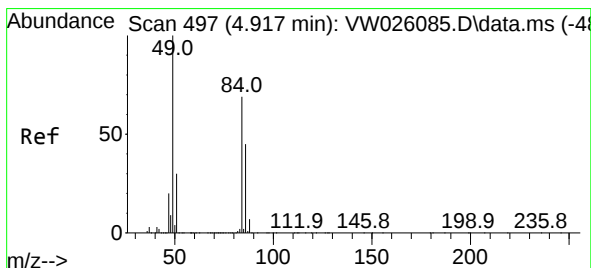
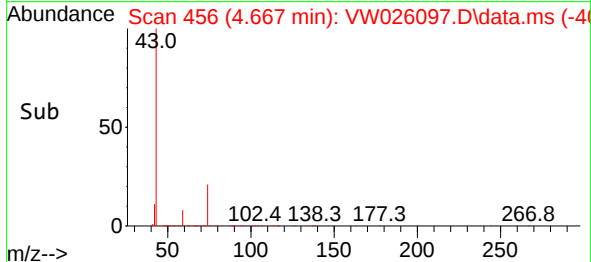
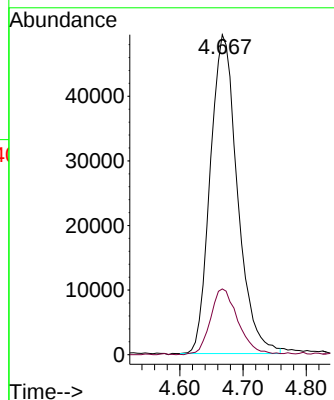
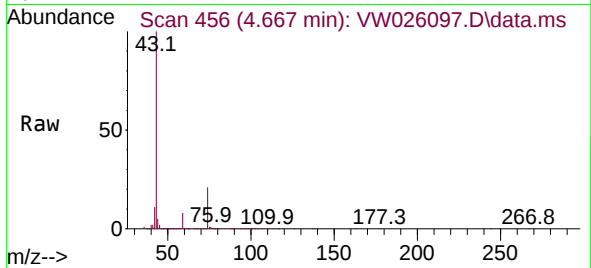




#15
Methyl Acetate
Concen: 26.435 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

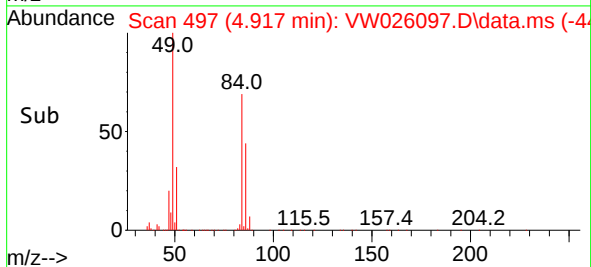
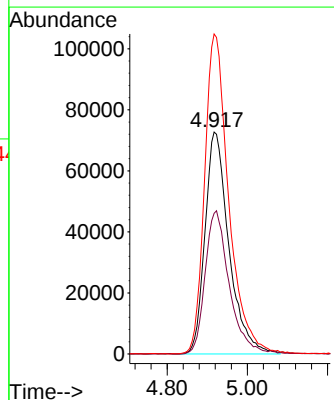
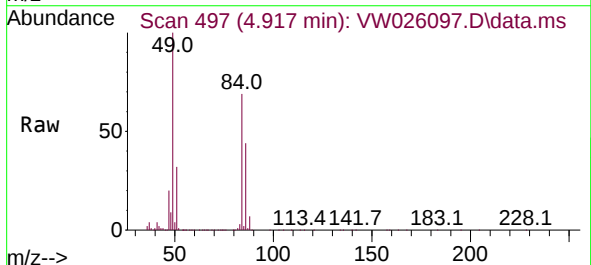
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

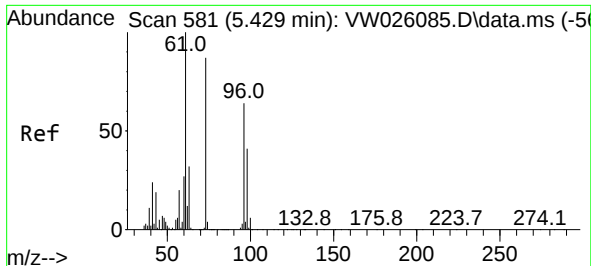
Tgt Ion: 43 Resp: 147550
Ion Ratio Lower Upper
43 100
74 20.8 16.6 25.0



#16
Methylene chloride
Concen: 24.095 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 84 Resp: 301793
Ion Ratio Lower Upper
84 100
86 63.4 44.2 82.0
49 144.2 98.8 183.6

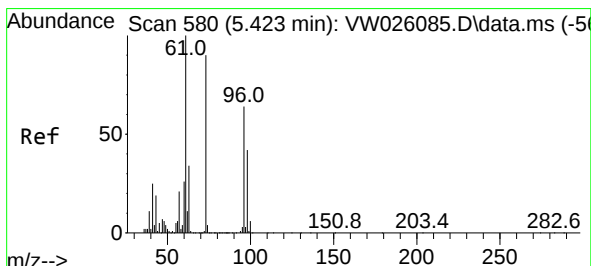
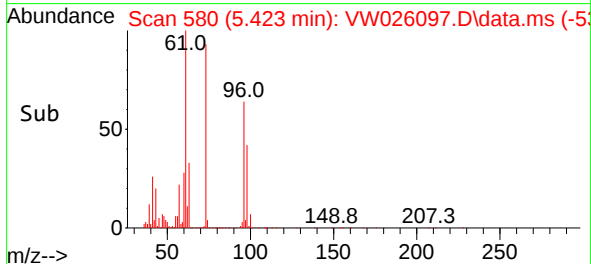
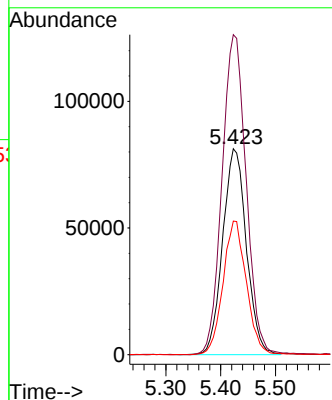
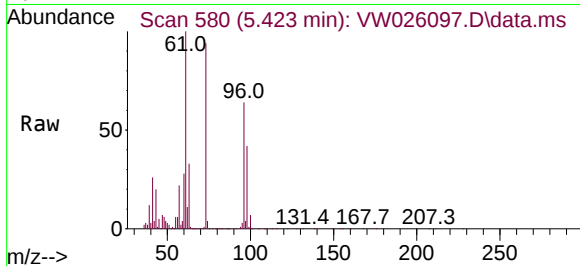




#17
trans-1,2-Dichloroethene
Concen: 21.823 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

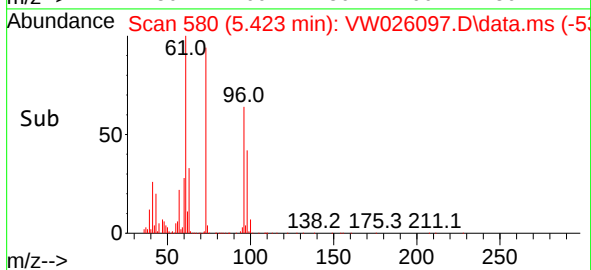
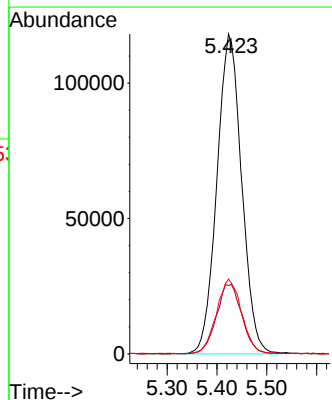
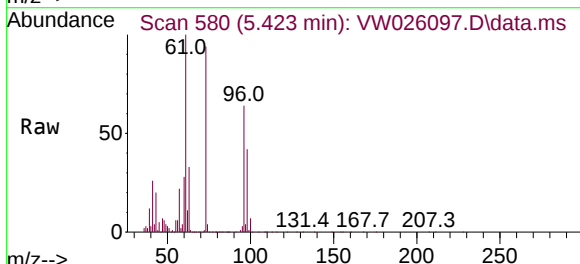
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

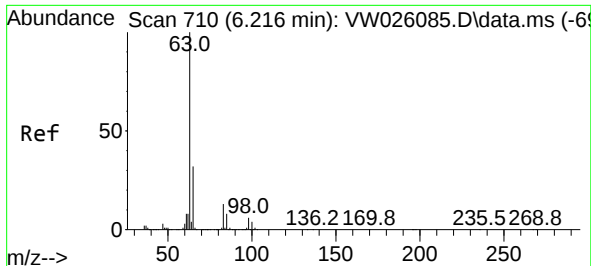
Tgt Ion: 96 Resp: 244638
Ion Ratio Lower Upper
96 100
61 155.4 113.0 209.8
98 64.9 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 23.019 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 73 Resp: 406706
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: 22.202 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

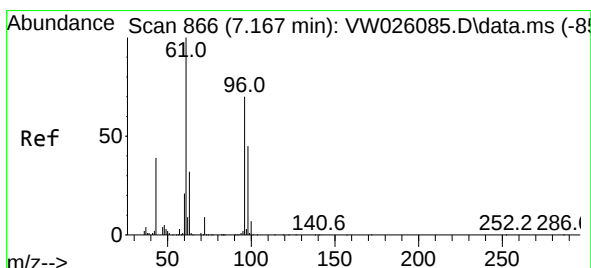
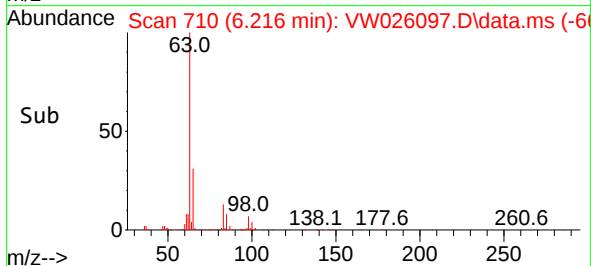
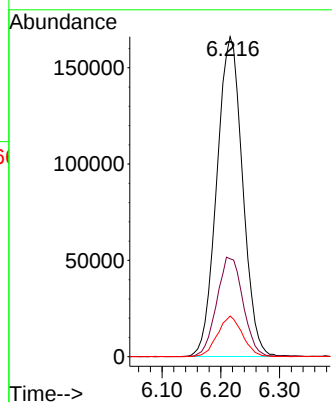
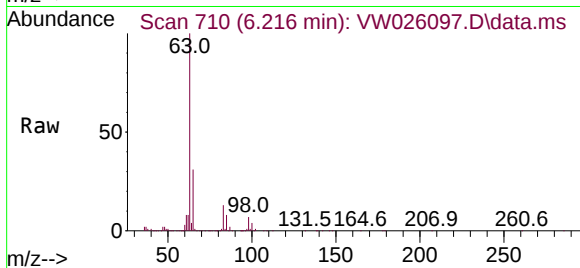
Tgt Ion: 63 Resp: 506689

Ion Ratio Lower Upper

63 100

65 30.6 22.3 41.5

83 12.7 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 22.690 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

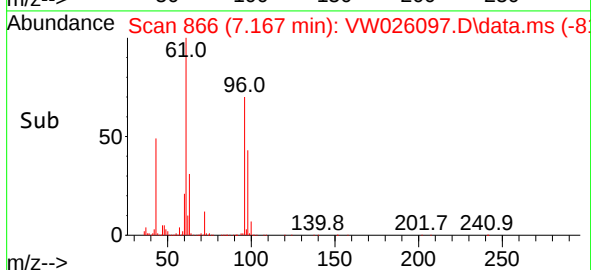
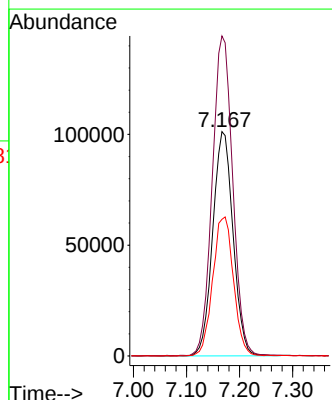
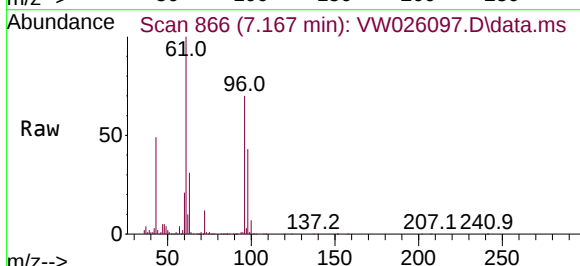
Tgt Ion: 96 Resp: 269434

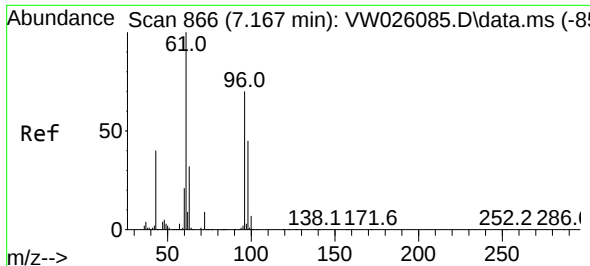
Ion Ratio Lower Upper

96 100

61 142.7 98.4 182.8

98 60.9 45.2 84.0

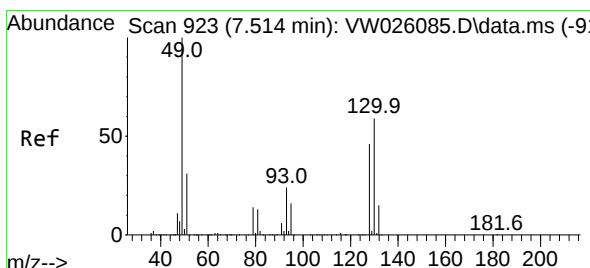
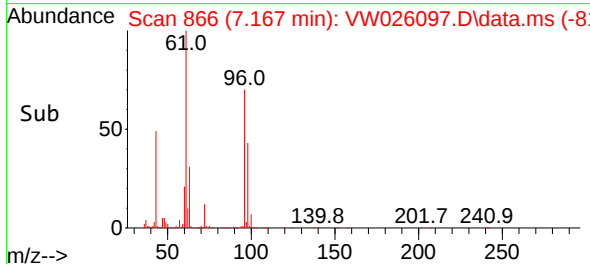
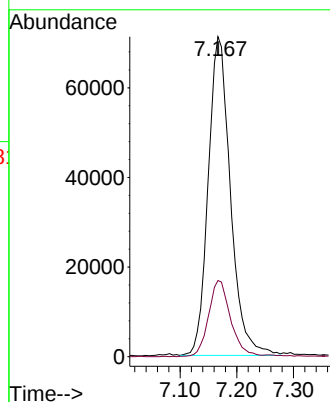
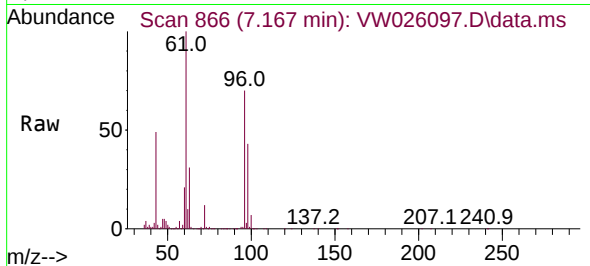




#22
2-Butanone
Concen: 54.639 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

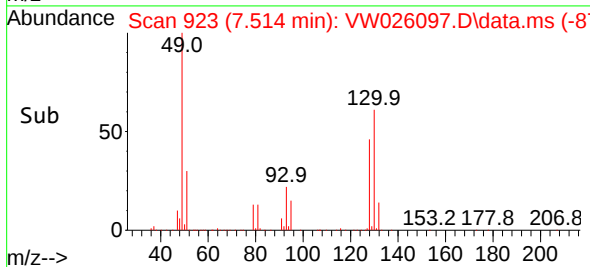
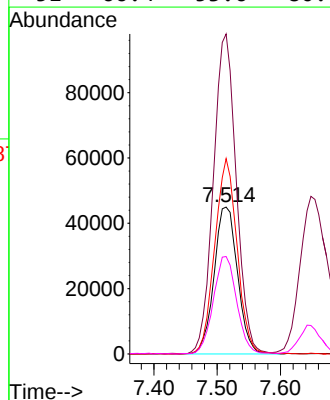
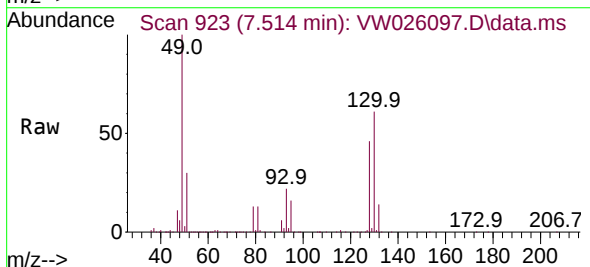
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

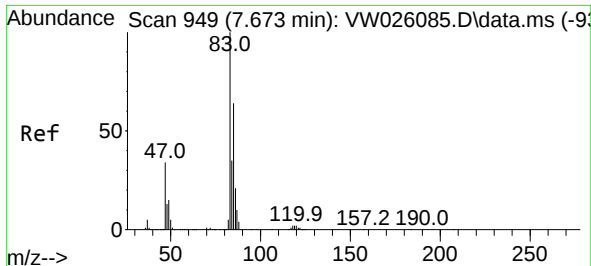
Tgt Ion: 43 Resp: 193836
Ion Ratio Lower Upper
43 100
72 23.7 12.4 37.4



#23
Bromochloromethane
Concen: 22.880 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 128 Resp: 115865
Ion Ratio Lower Upper
128 100
49 217.9 140.6 261.0
130 133.0 86.0 159.6
51 66.4 53.6 80.4

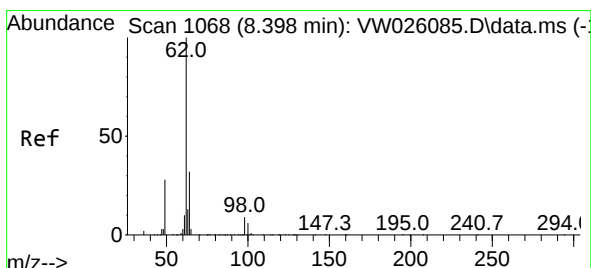
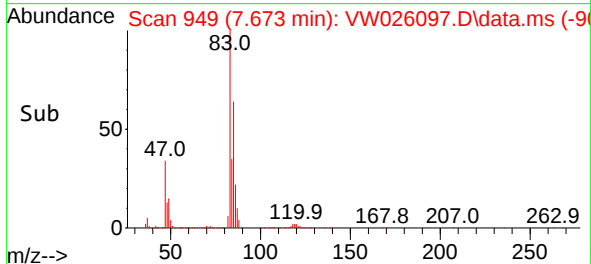
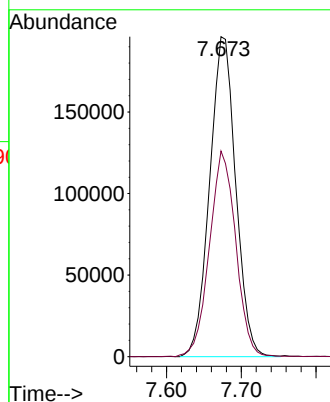
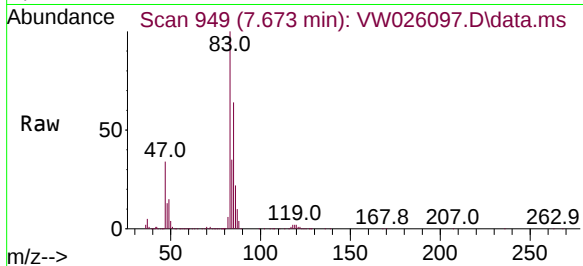




#25
Chloroform
Concen: 22.363 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

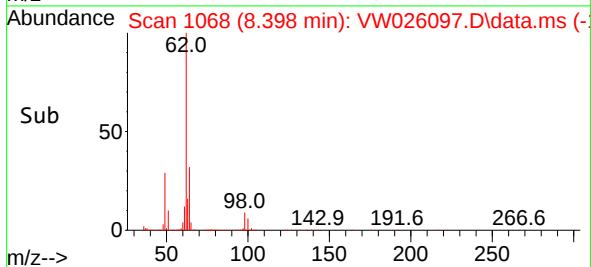
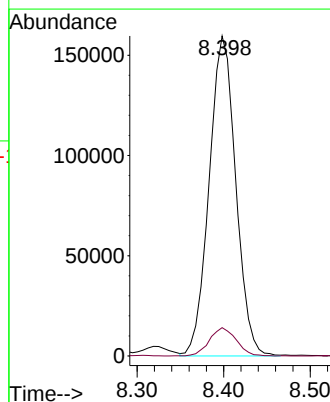
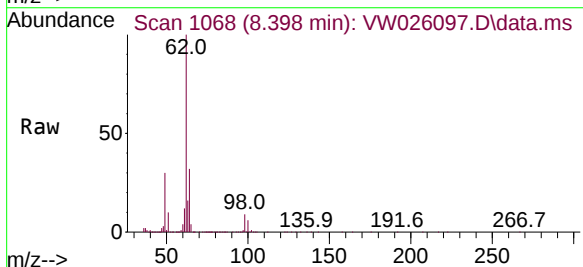
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

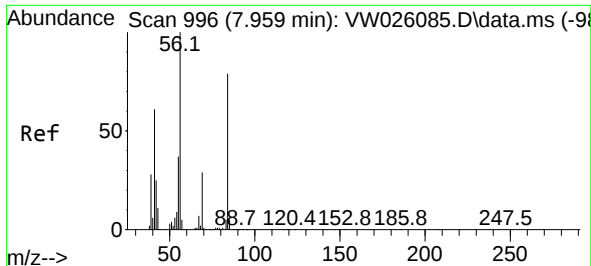
Tgt Ion: 83 Resp: 475363
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.7



#27
1,2-Dichloroethane
Concen: 23.270 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 62 Resp: 341150
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2





#29

Cyclohexane

Concen: 22.055 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

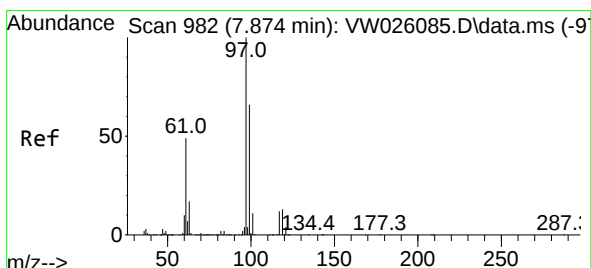
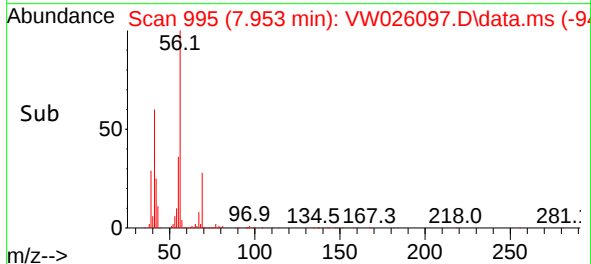
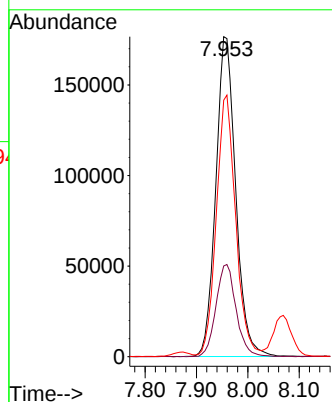
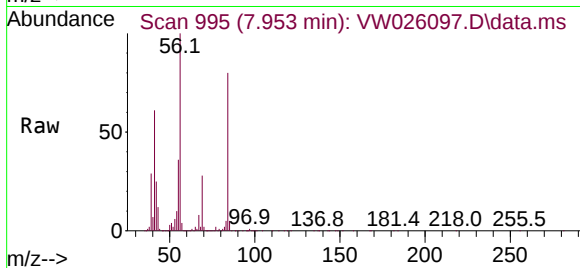
Tgt Ion: 56 Resp: 475354

Ion Ratio Lower Upper

56 100

69 29.2 23.3 34.9

84 79.6 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 21.437 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

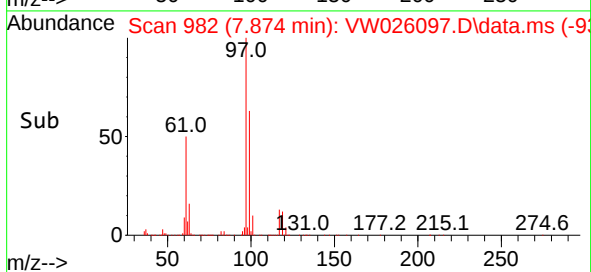
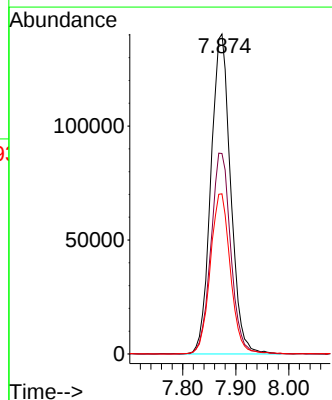
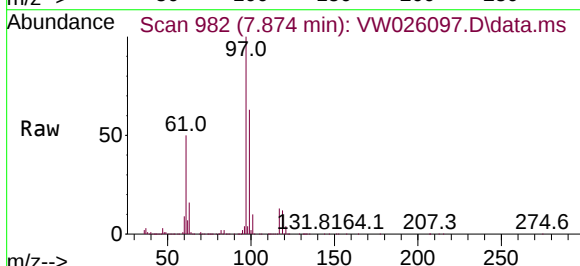
Tgt Ion: 97 Resp: 363180

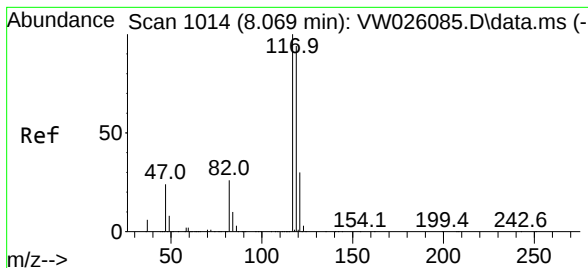
Ion Ratio Lower Upper

97 100

99 63.2 50.6 76.0

61 50.6 40.5 60.7





#31

Carbon tetrachloride

Concen: 20.708 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

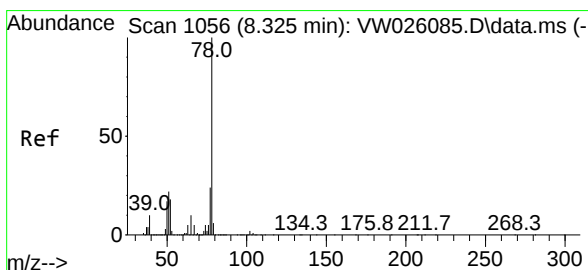
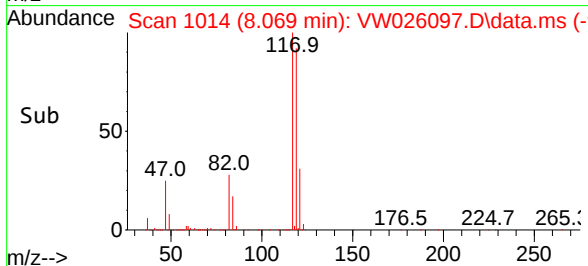
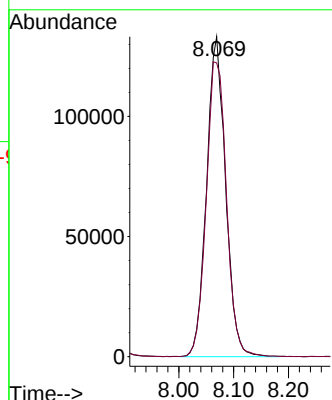
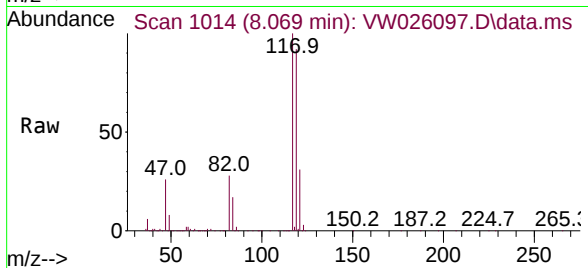
VSTD025503

Tgt Ion:117 Resp: 320144

Ion Ratio Lower Upper

117 100

119 98.2 77.4 116.2



#33

Benzene

Concen: 22.374 ug/L

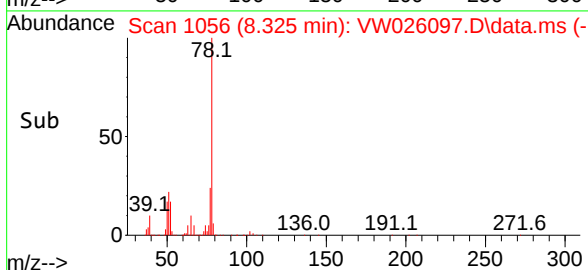
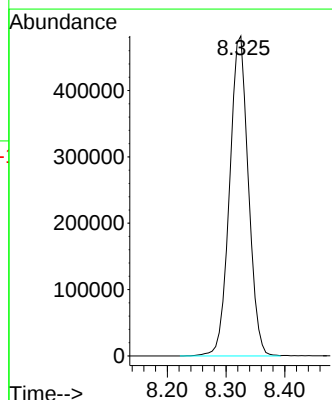
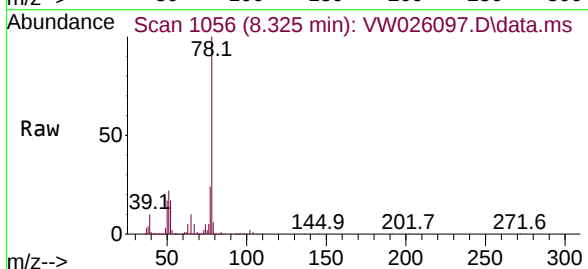
RT: 8.325 min Scan# 1056

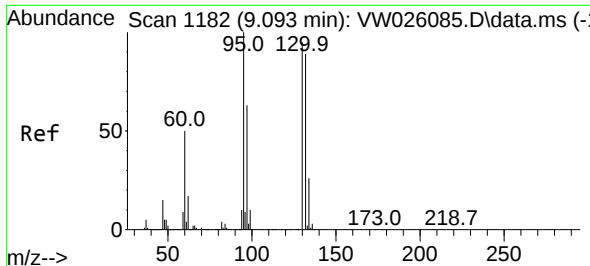
Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Tgt Ion: 78 Resp: 1070030





#34

Trichloroethene

Concen: 21.746 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

Tgt Ion: 95 Resp: 266299

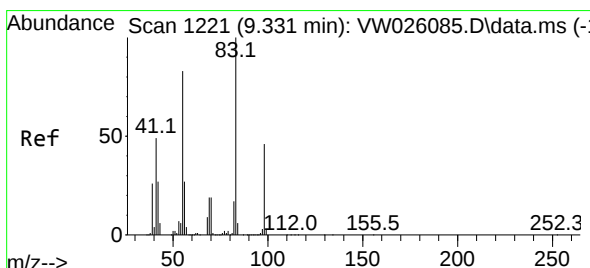
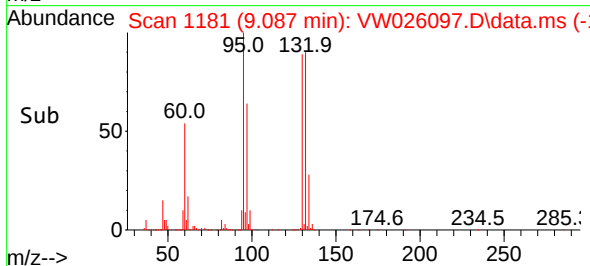
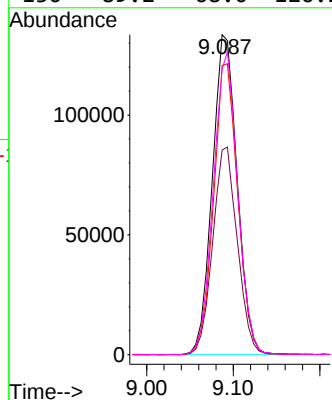
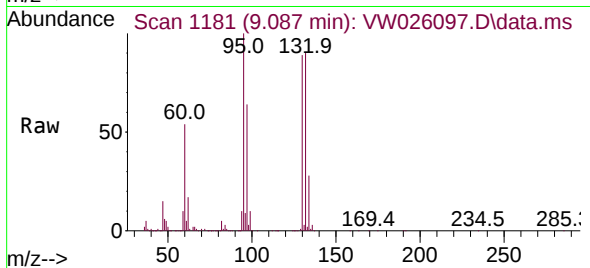
Ion Ratio Lower Upper

95 100

97 64.0 45.9 85.3

132 90.4 67.1 124.7

130 89.2 68.0 126.2



#35

Methylcyclohexane

Concen: 22.117 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

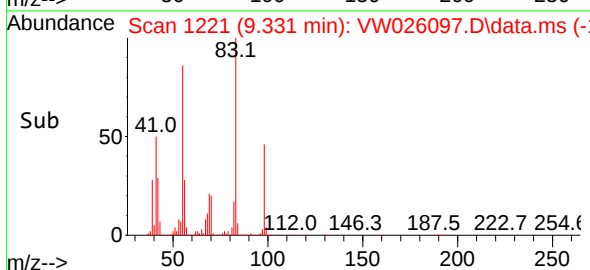
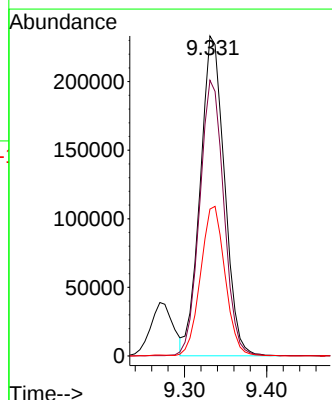
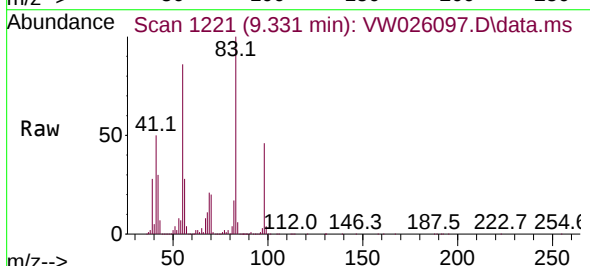
Tgt Ion: 83 Resp: 479249

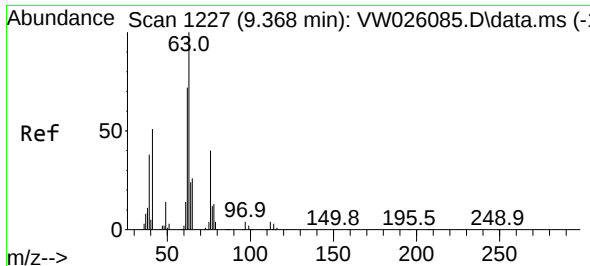
Ion Ratio Lower Upper

83 100

55 85.7 68.2 102.4

98 47.1 38.1 57.1





#37

1,2-Dichloropropane

Concen: 22.553 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

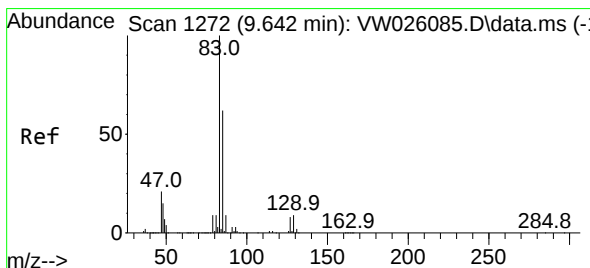
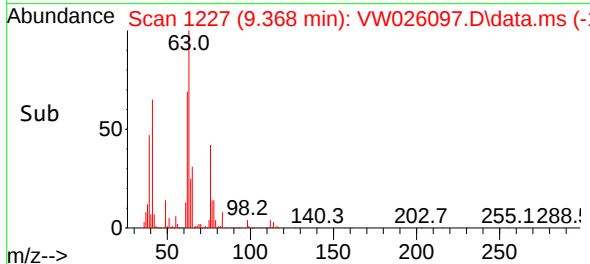
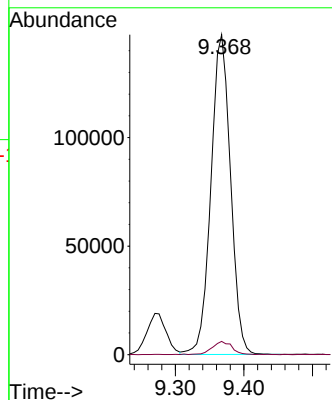
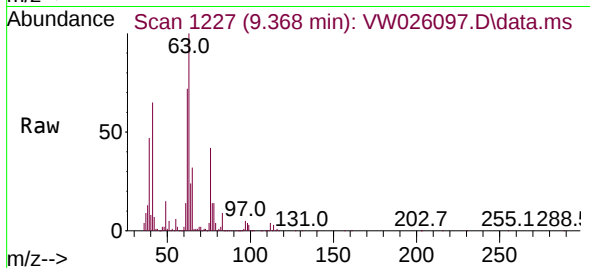
VSTD025503

Tgt Ion: 63 Resp: 292144

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 22.560 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

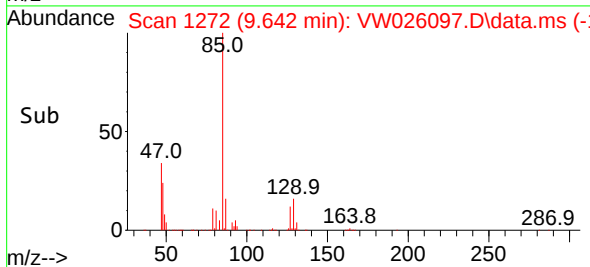
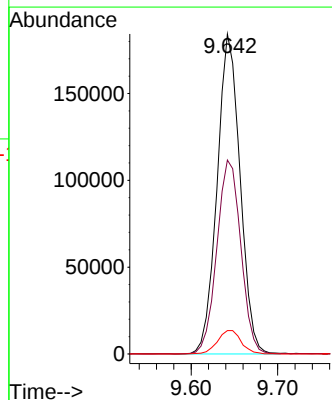
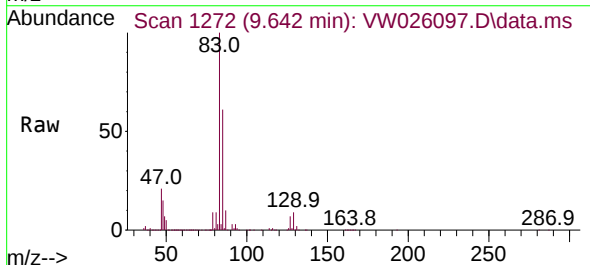
Tgt Ion: 83 Resp: 339505

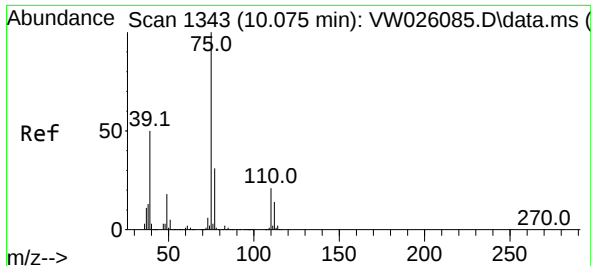
Ion Ratio Lower Upper

83 100

85 60.6 44.2 82.0

127 7.3 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 22.920 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

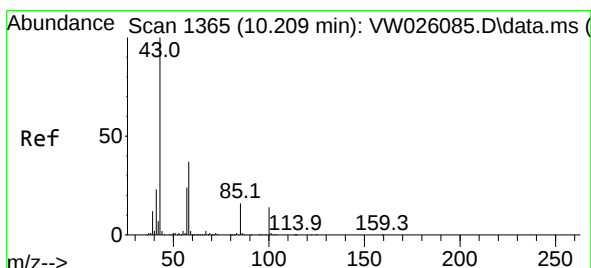
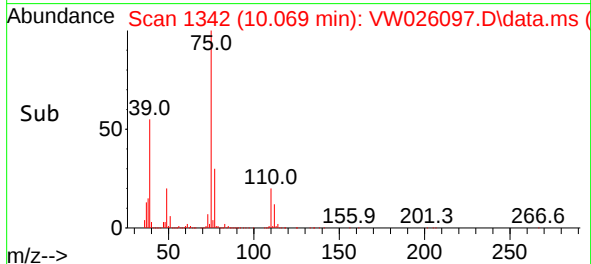
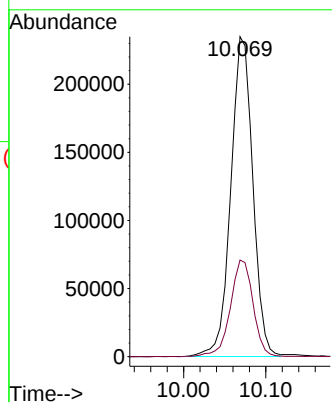
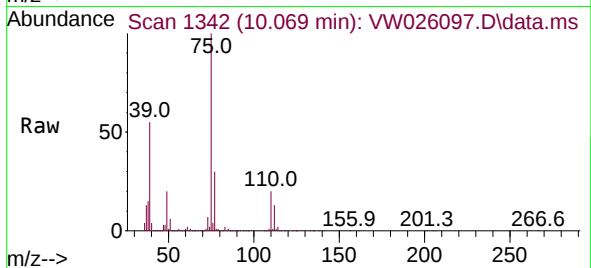
VSTD025503

Tgt Ion: 75 Resp: 436296

Ion Ratio Lower Upper

75 100

77 30.2 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 54.847 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

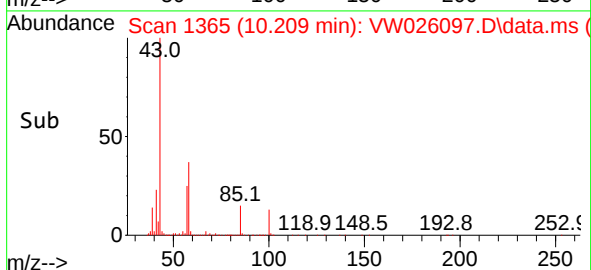
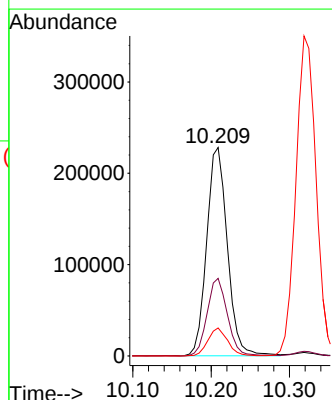
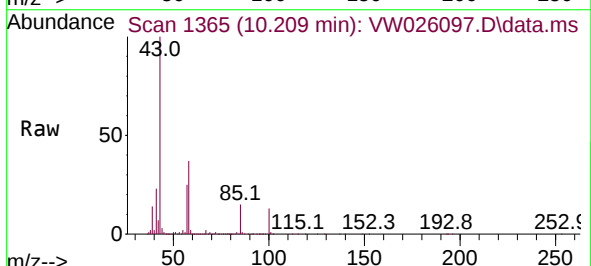
Tgt Ion: 43 Resp: 418863

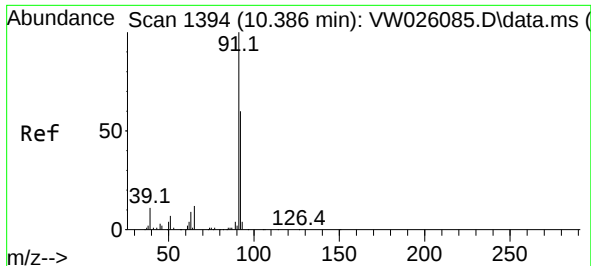
Ion Ratio Lower Upper

43 100

58 36.6 29.0 43.4

100 12.9 10.5 15.7

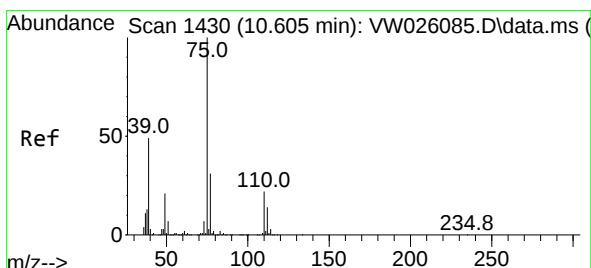
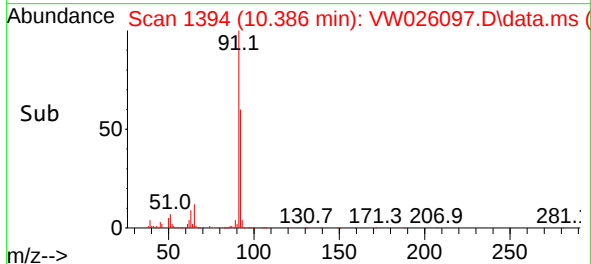
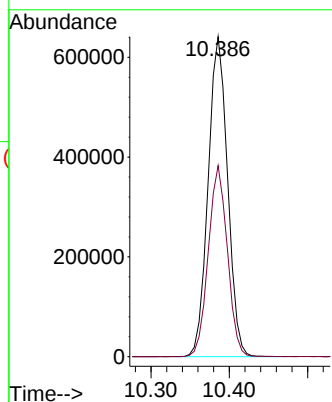
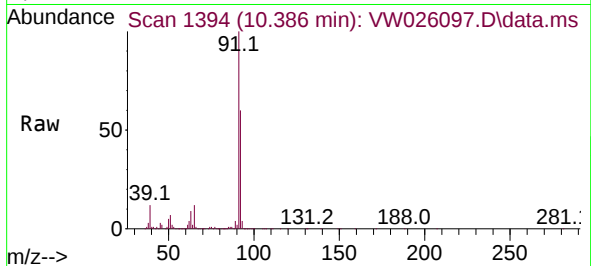




#42
Toluene
Concen: 22.586 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

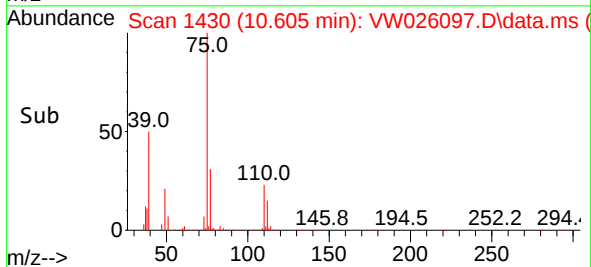
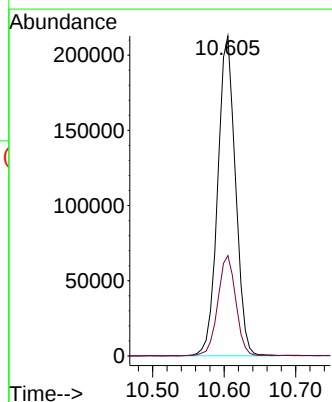
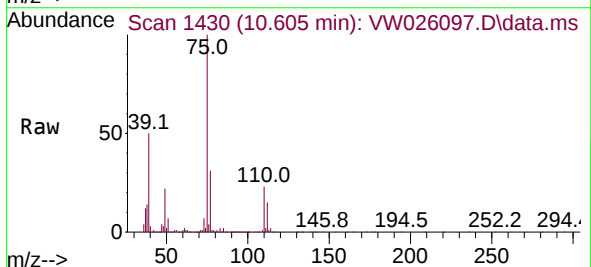
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

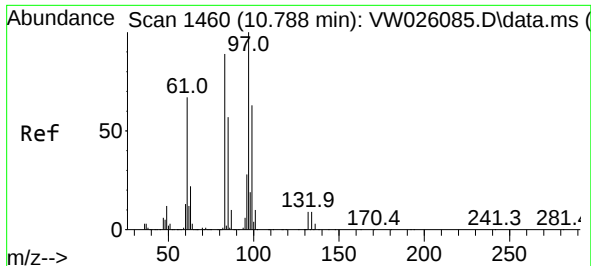
Tgt Ion: 91 Resp: 1104819
Ion Ratio Lower Upper
91 100
92 59.7 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 23.149 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 75 Resp: 367113
Ion Ratio Lower Upper
75 100
77 31.4 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 23.763 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

Tgt Ion: 97 Resp: 202871

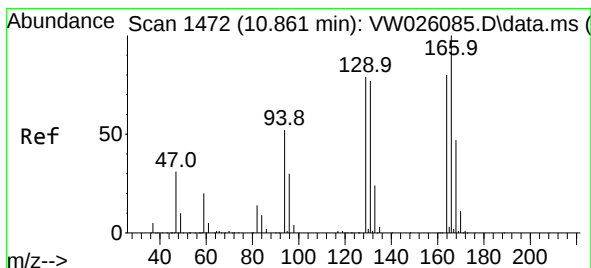
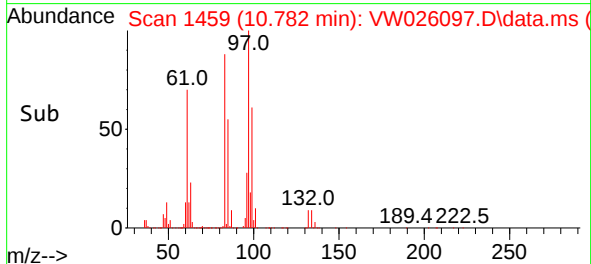
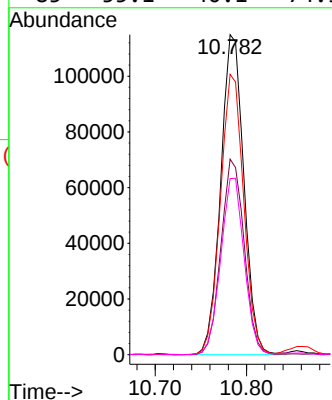
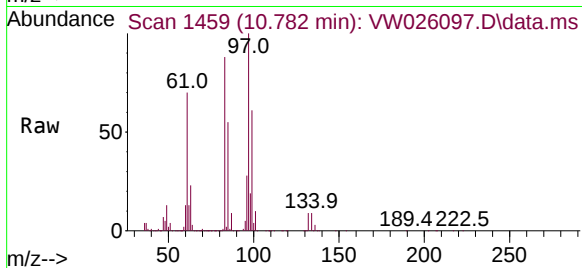
Ion Ratio Lower Upper

97 100

99 61.1 43.3 80.5

83 87.6 62.9 116.9

85 55.1 40.1 74.5



#46

Tetrachloroethene

Concen: 20.802 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Tgt Ion:164 Resp: 180182

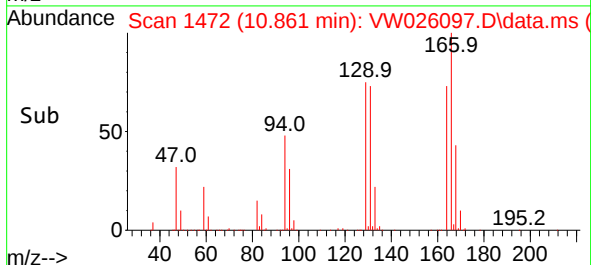
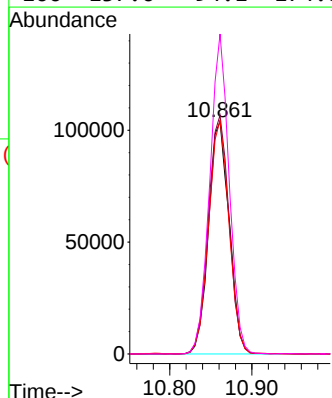
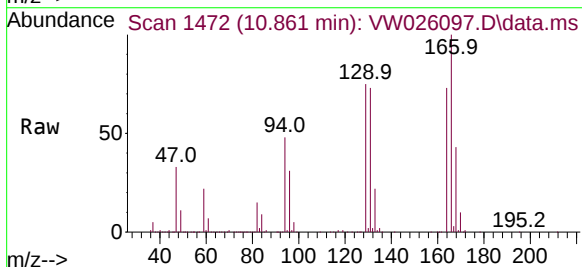
Ion Ratio Lower Upper

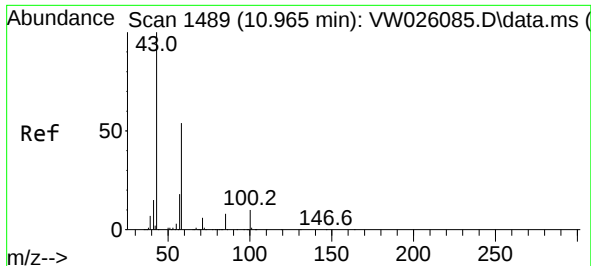
164 100

129 102.6 68.5 127.1

131 100.4 67.1 124.7

166 137.6 94.1 174.8



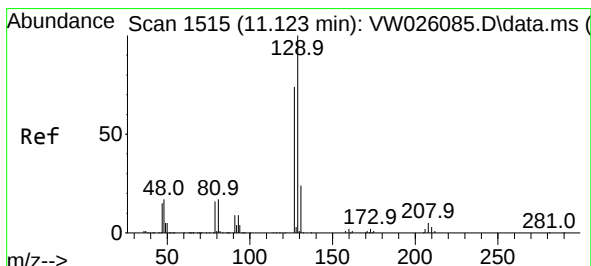
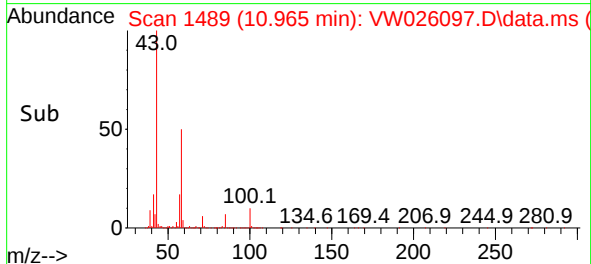
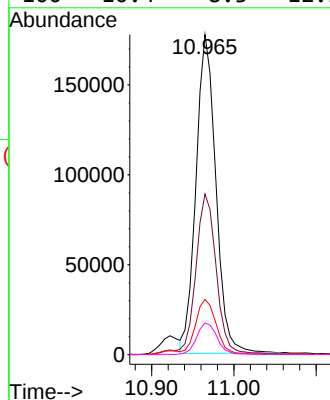
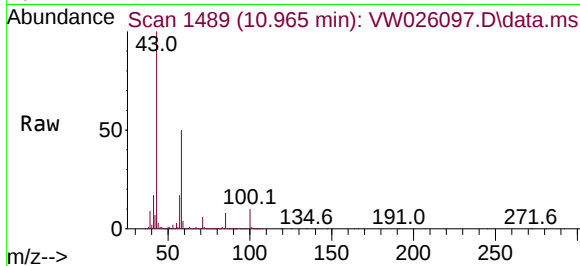


#48
2-Hexanone
Concen: 55.340 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

Tgt Ion: 43 Resp: 297996

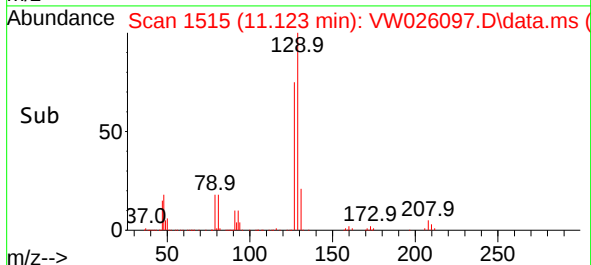
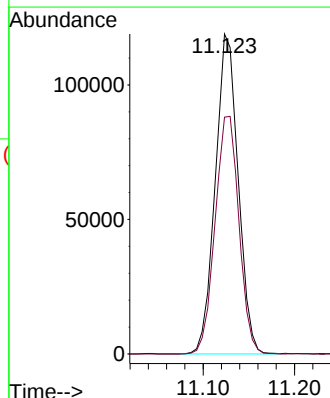
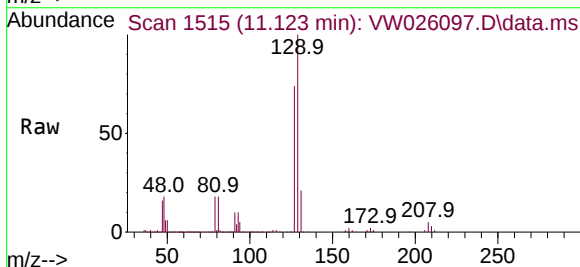
Ion	Ratio	Lower	Upper
43	100		
58	51.8	42.2	63.2
57	18.1	14.2	21.2
100	10.4	8.3	12.5

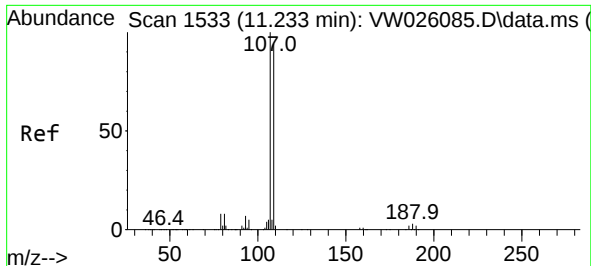


#49
Dibromochloromethane
Concen: 23.128 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 129 Resp: 207011

Ion	Ratio	Lower	Upper
129	100		
127	74.0	56.9	105.7





#50

1,2-Dibromoethane

Concen: 23.536 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

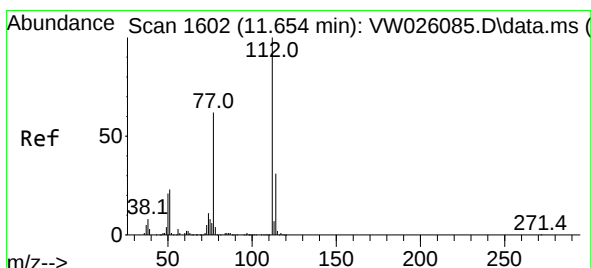
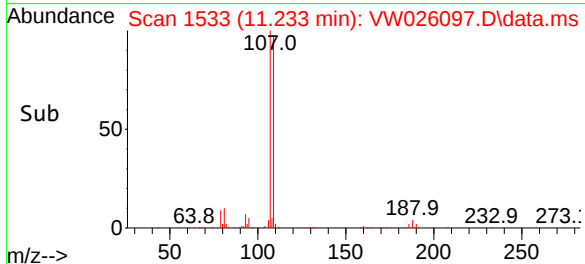
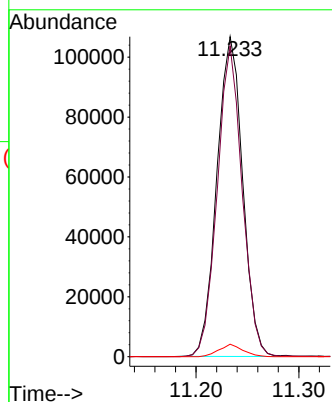
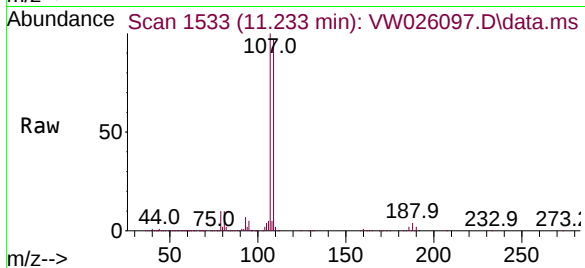
Tgt Ion:107 Resp: 186043

Ion Ratio Lower Upper

107 100

109 97.1 64.0 119.0

188 3.9 2.6 3.8#



#51

Chlorobenzene

Concen: 21.903 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

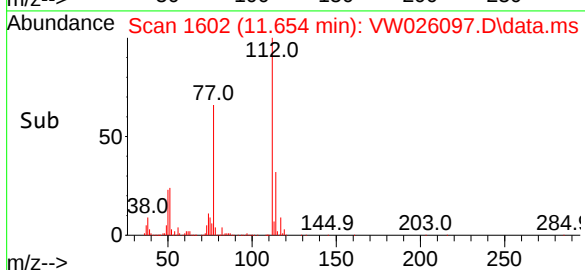
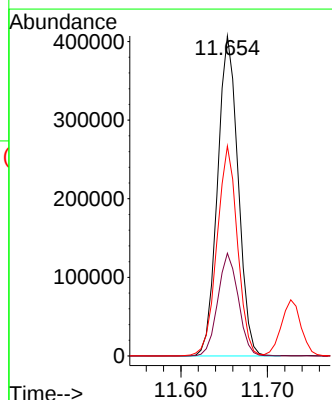
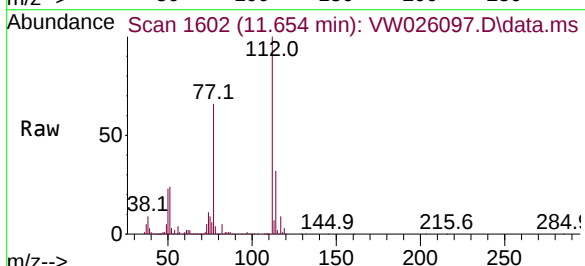
Tgt Ion:112 Resp: 671376

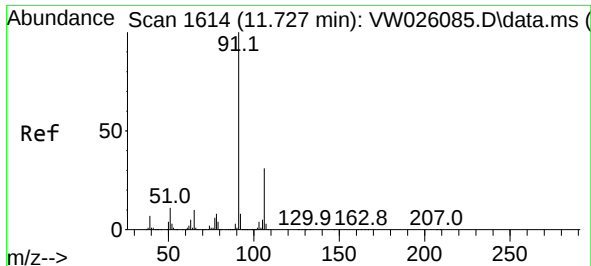
Ion Ratio Lower Upper

112 100

114 32.1 23.0 42.6

77 65.6 50.9 76.3

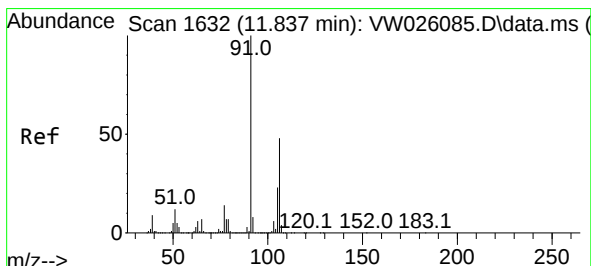
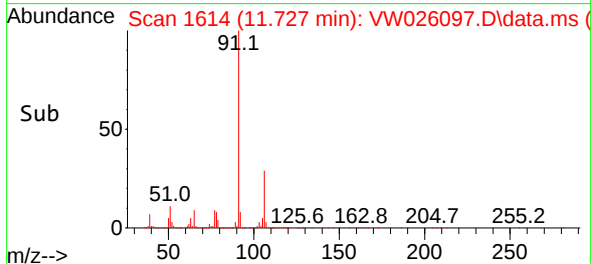
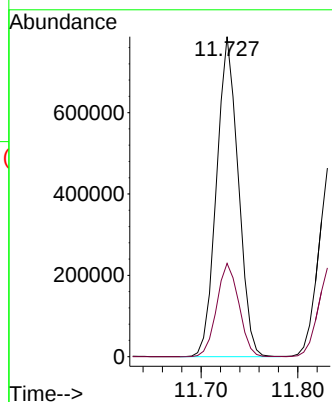
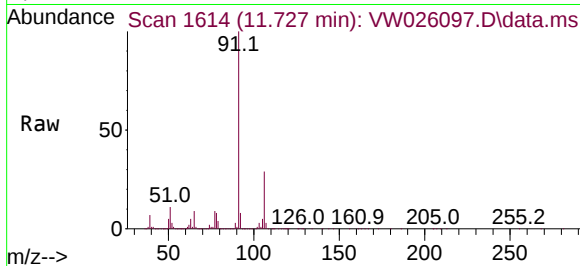




#52
Ethylbenzene
Concen: 22.207 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

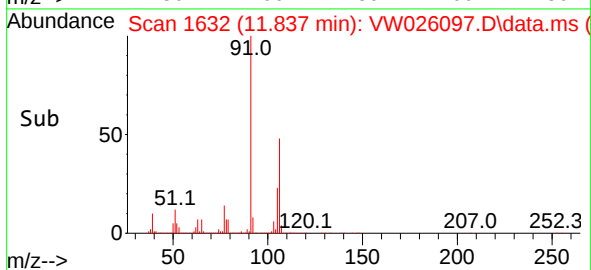
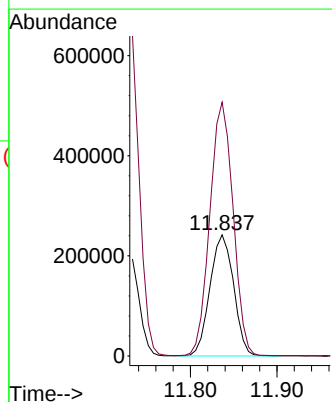
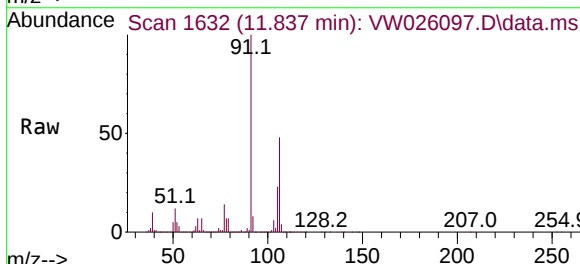
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

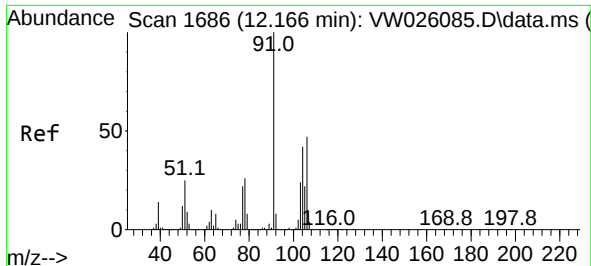
Tgt Ion: 91 Resp: 1225399
Ion Ratio Lower Upper
91 100
106 29.2 21.2 39.4



#53
m,p-Xylene
Concen: 22.348 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion: 106 Resp: 458756
Ion Ratio Lower Upper
106 100
91 209.6 149.5 277.7

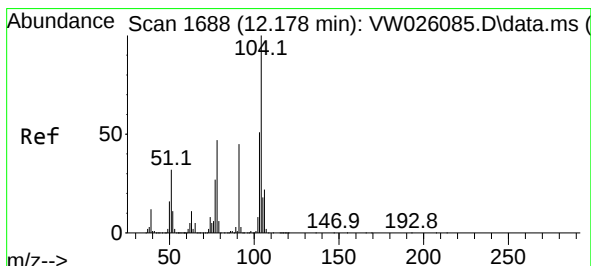
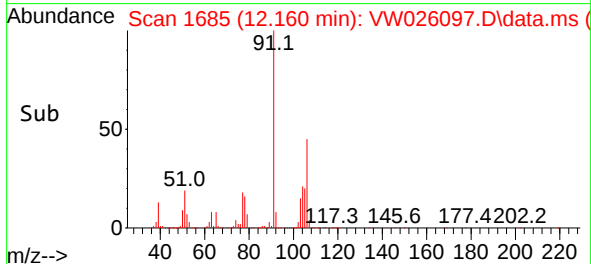
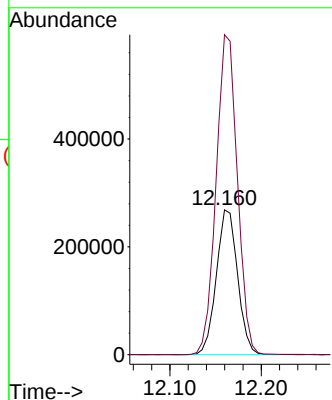
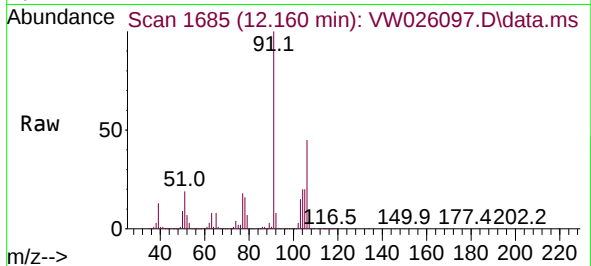




#54
o-Xylene
Concen: 22.403 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

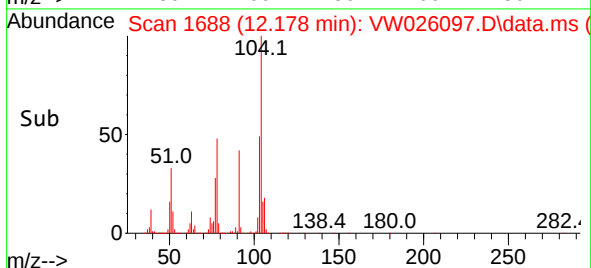
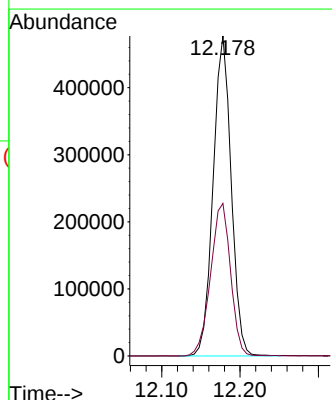
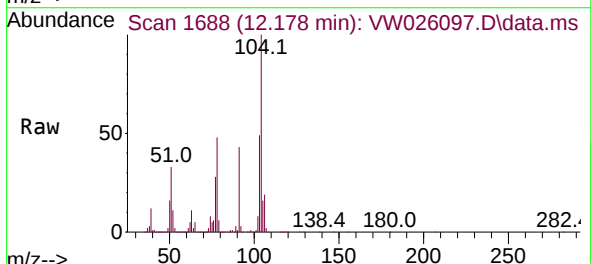
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

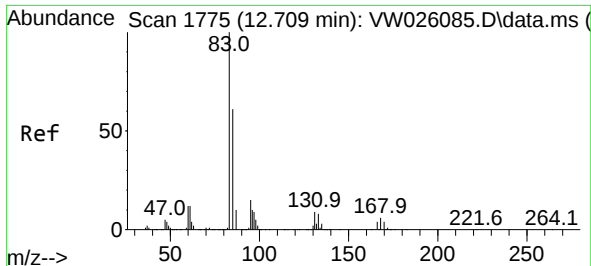
Tgt Ion:106 Resp: 434049
Ion Ratio Lower Upper
106 100
91 221.1 150.9 280.3



#55
Styrene
Concen: 22.985 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion:104 Resp: 764009
Ion Ratio Lower Upper
104 100
78 47.6 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 24.518 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

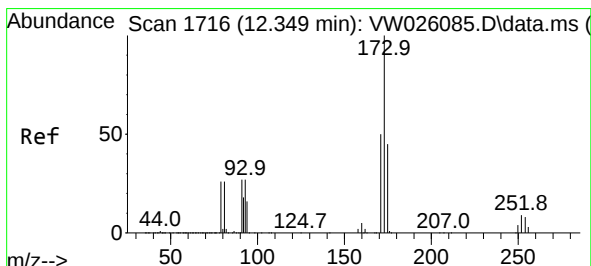
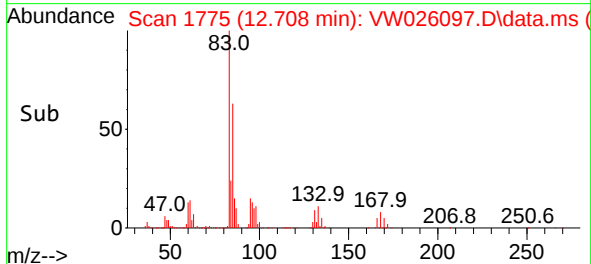
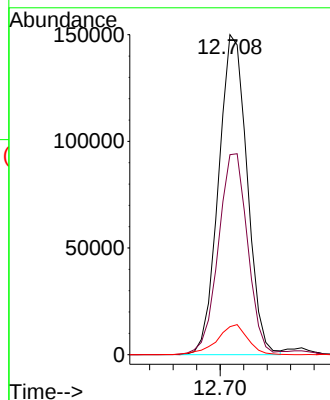
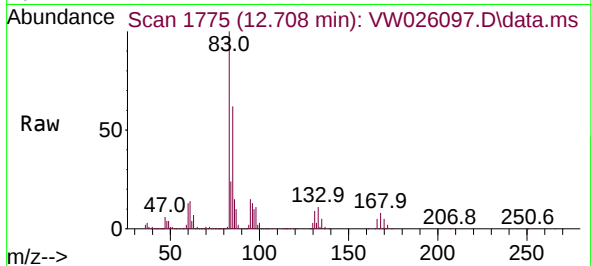
Tgt Ion: 83 Resp: 253311

Ion Ratio Lower Upper

83 100

85 62.5 42.6 79.0

131 8.8 7.2 10.8



#59

Bromoform

Concen: 22.596 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

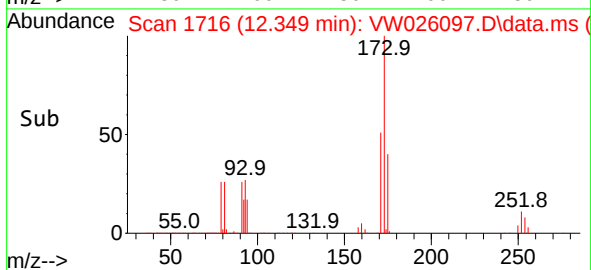
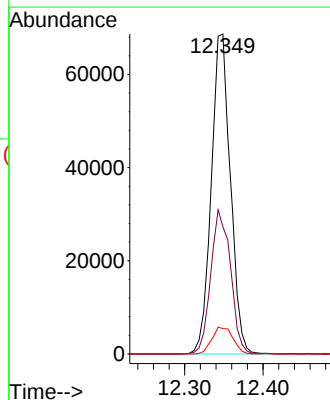
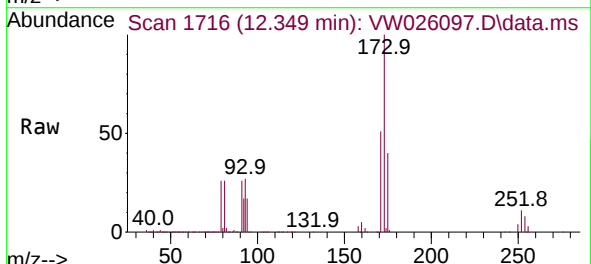
Tgt Ion:173 Resp: 116403

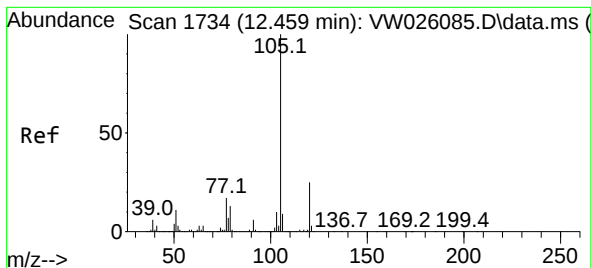
Ion Ratio Lower Upper

173 100

175 46.5 38.6 57.8

254 9.2 7.4 11.0





#60

Isopropylbenzene

Concen: 22.130 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

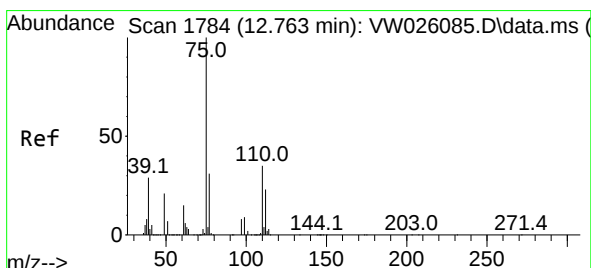
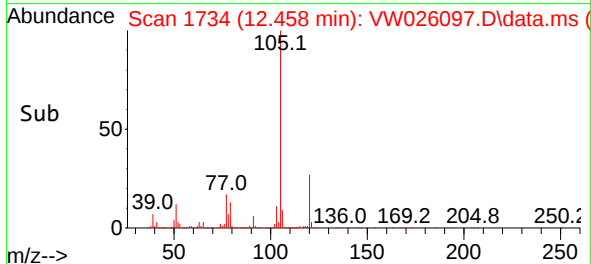
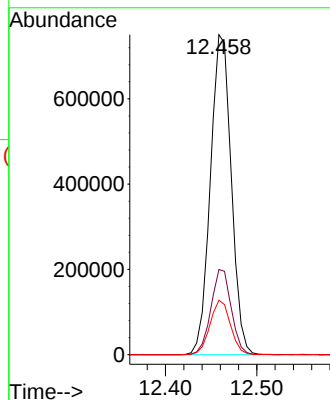
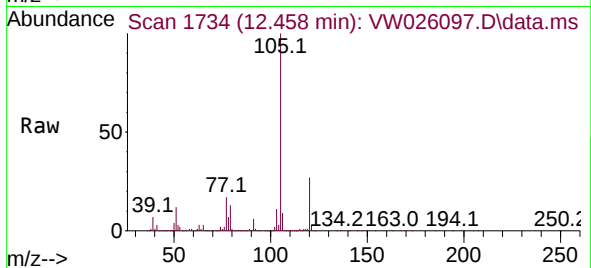
Tgt Ion:105 Resp: 1192349

Ion Ratio Lower Upper

105 100

120 26.0 19.8 29.8

77 16.6 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 24.653 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

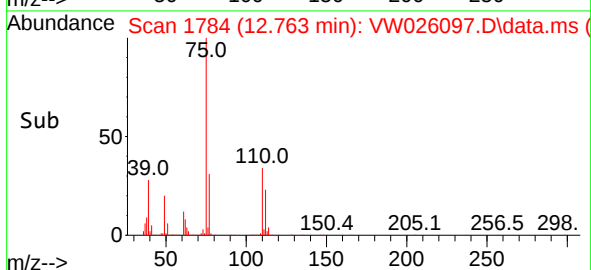
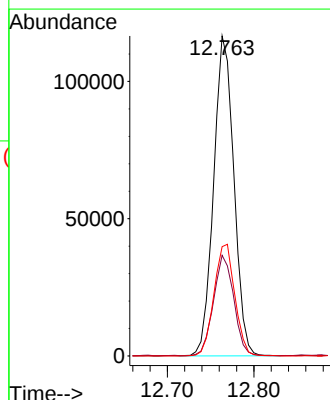
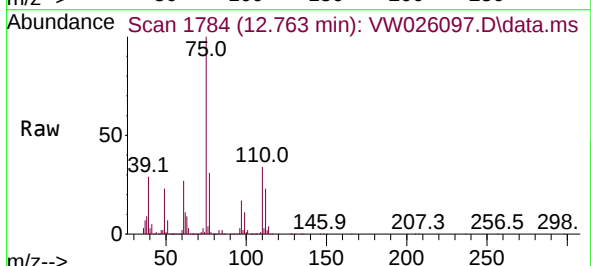
Tgt Ion: 75 Resp: 189396

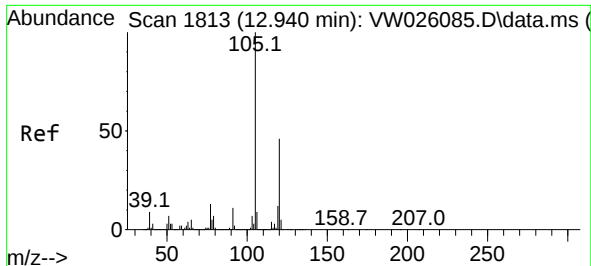
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

110 35.9 28.7 43.1

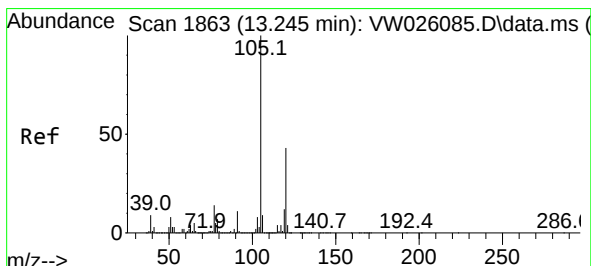
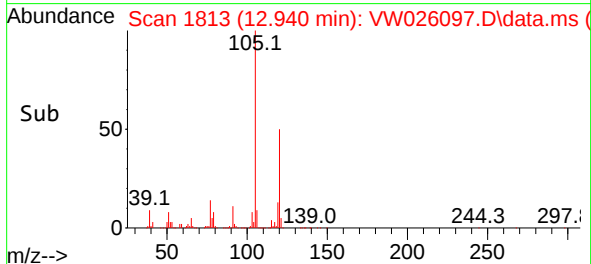
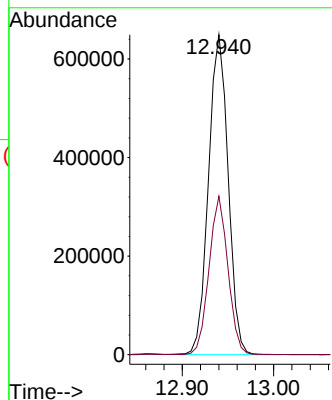
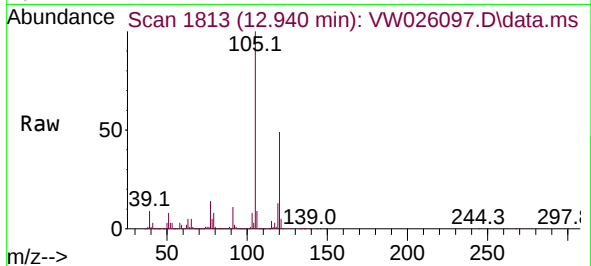




#62
1,3,5-Trimethylbenzene
Concen: 22.593 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

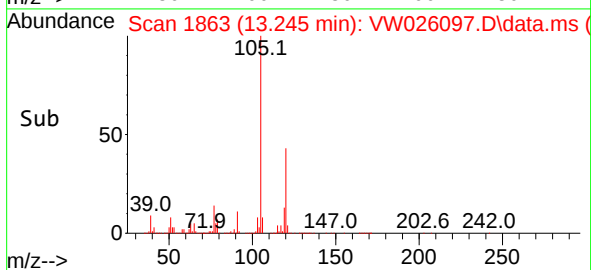
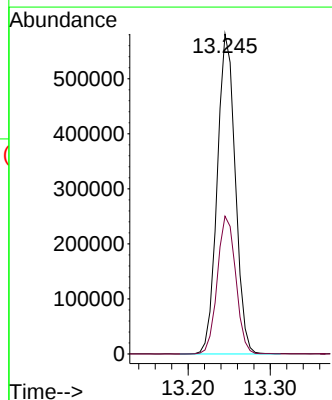
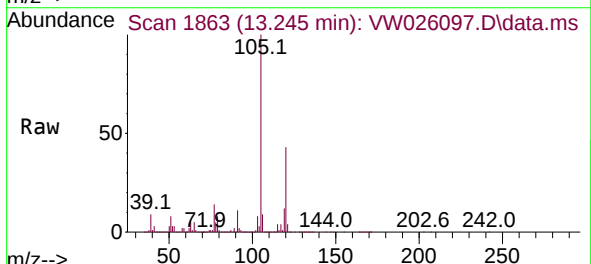
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

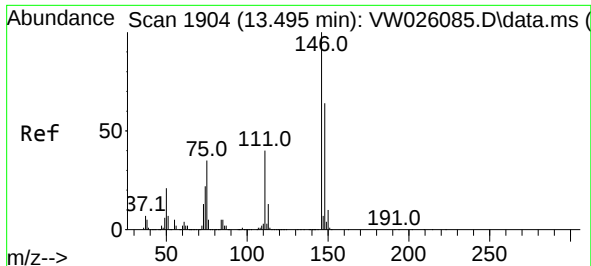
Tgt Ion:105 Resp: 967672
Ion Ratio Lower Upper
105 100
120 47.7 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 22.596 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion:105 Resp: 886415
Ion Ratio Lower Upper
105 100
120 43.9 36.2 54.2

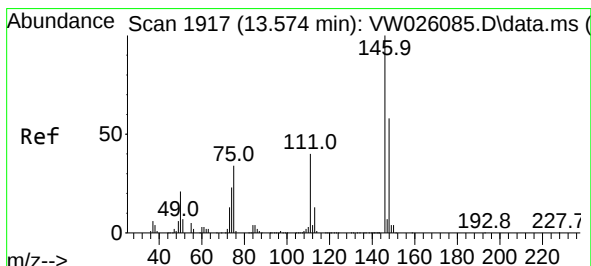
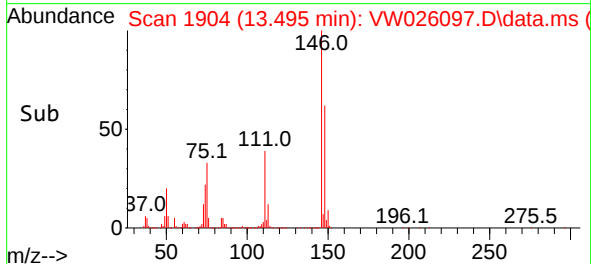
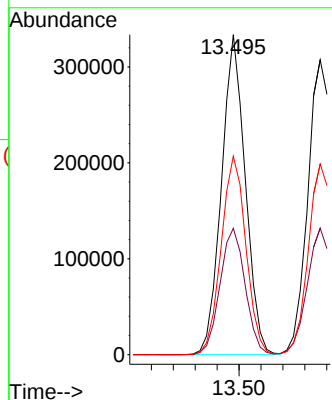
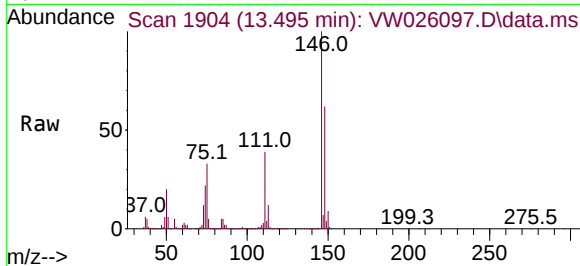




#64
1,3-Dichlorobenzene
Concen: 22.193 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

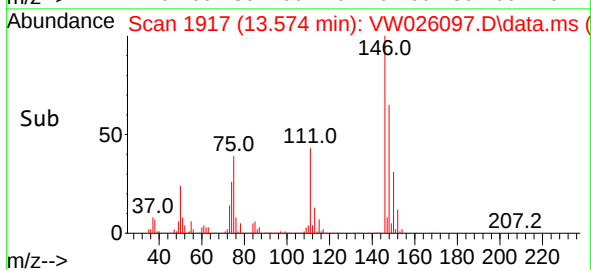
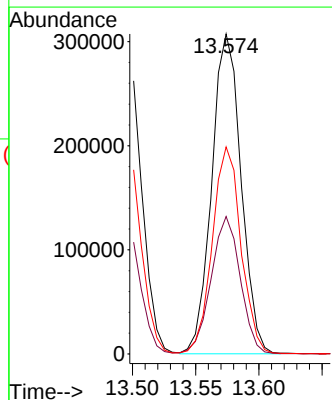
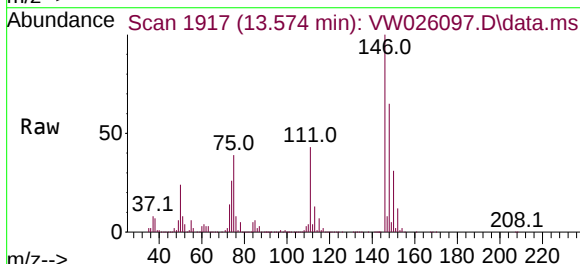
Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

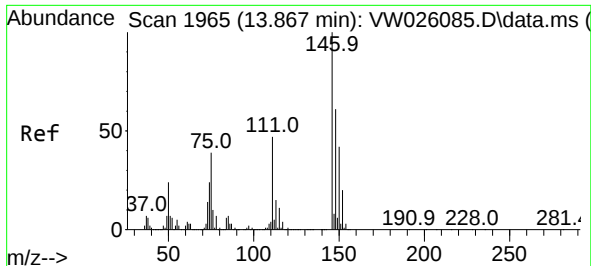
Tgt Ion:146 Resp: 502764
Ion Ratio Lower Upper
146 100
111 39.5 29.7 55.1
148 62.1 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 21.739 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion:146 Resp: 495812
Ion Ratio Lower Upper
146 100
111 42.9 29.2 54.2
148 64.7 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 21.999 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

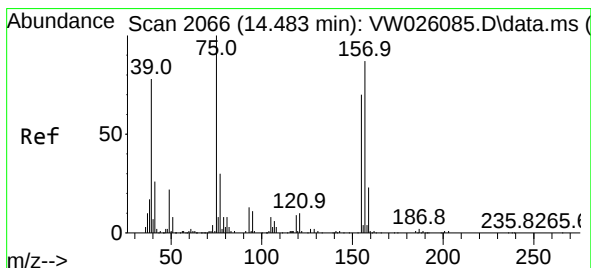
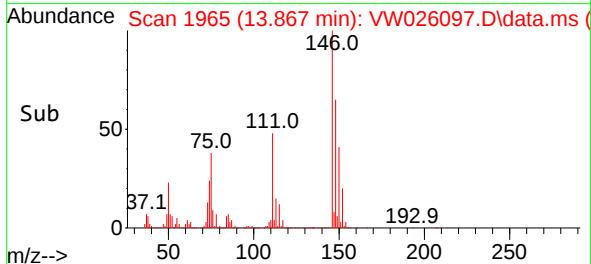
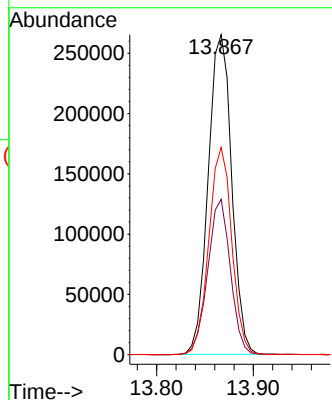
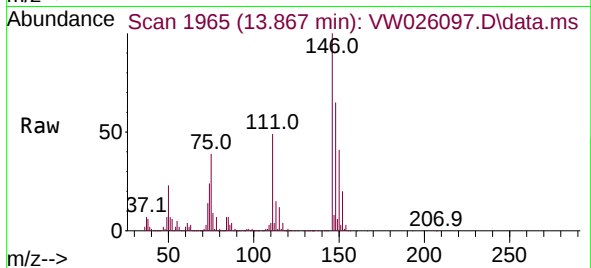
Tgt Ion:146 Resp: 447519

Ion Ratio Lower Upper

146 100

111 48.5 35.4 53.0

148 64.7 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 22.170 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

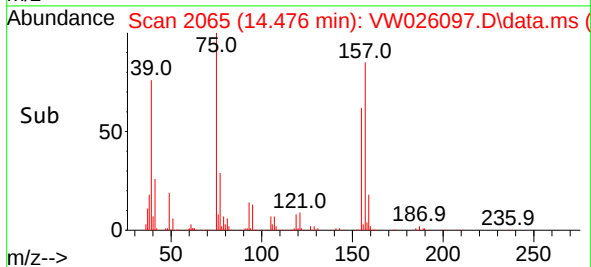
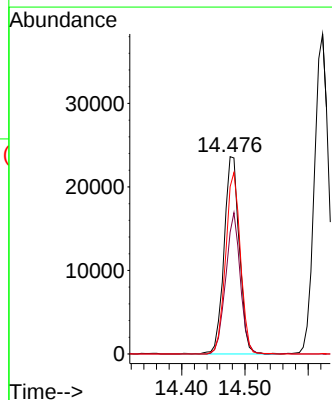
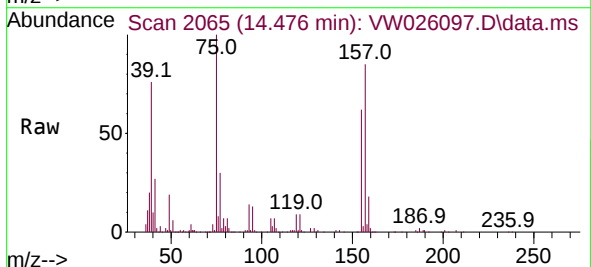
Tgt Ion: 75 Resp: 39462

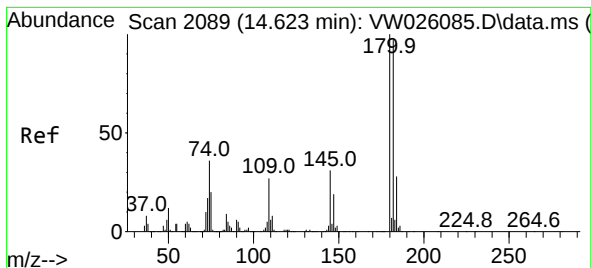
Ion Ratio Lower Upper

75 100

155 61.7 59.0 88.6

157 84.8 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 19.135 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTD025503

Tgt Ion:180 Resp: 297776

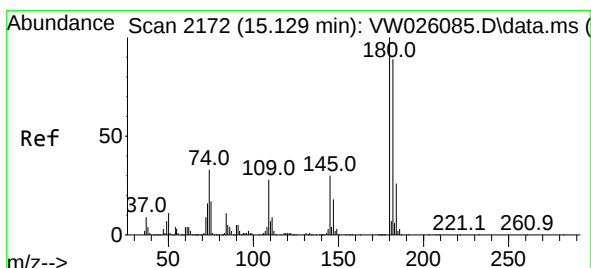
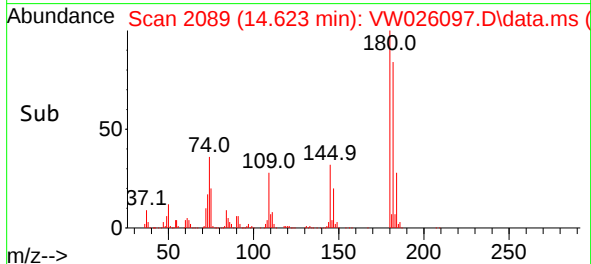
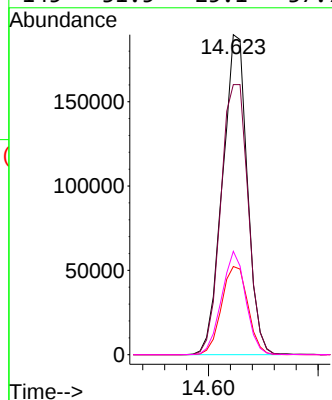
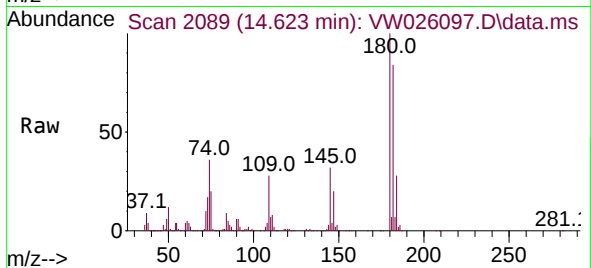
Ion Ratio Lower Upper

180 100

182 92.9 77.0 115.4

184 29.3 23.7 35.5

145 31.5 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 20.460 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026097.D

Acq: 30 May 2023 18:29

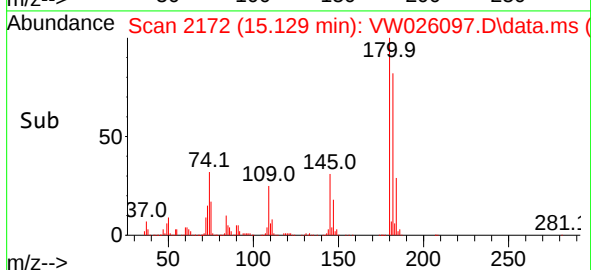
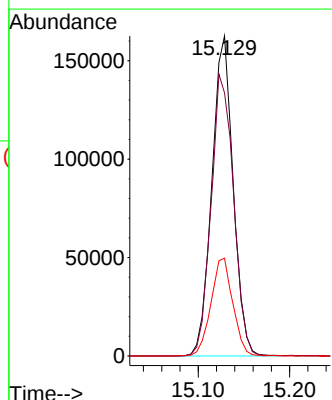
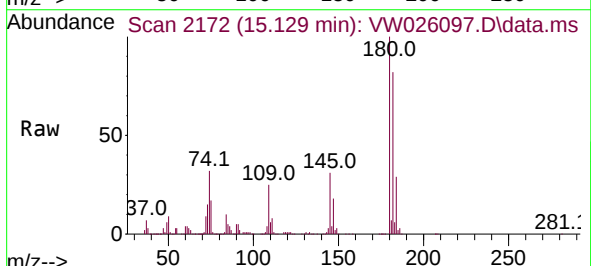
Tgt Ion:180 Resp: 262722

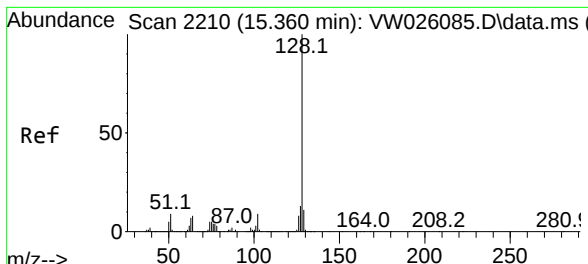
Ion Ratio Lower Upper

180 100

182 92.6 78.9 118.3

145 31.4 27.2 40.8

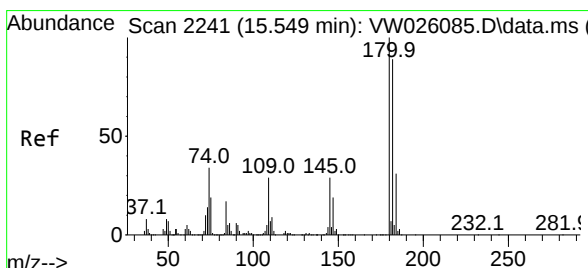
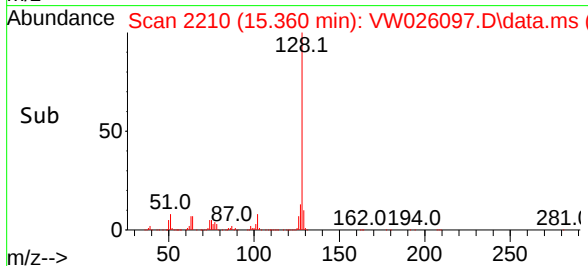
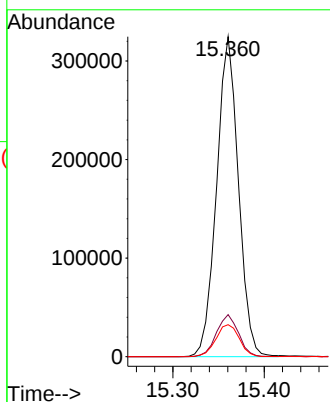
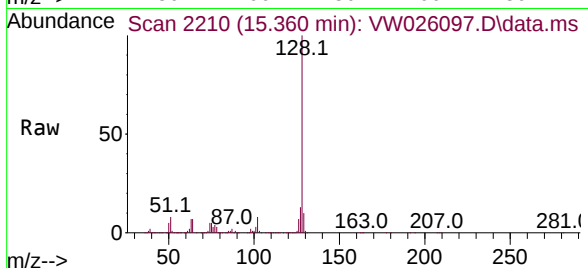




#71
Naphthalene
Concen: 23.569 ug/L
RT: 15.360 min Scan# 211
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTD025503

Tgt Ion:	128	Resp:	539390
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 20.958 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW026097.D
Acq: 30 May 2023 18:29

Tgt Ion:	180	Resp:	235195
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.3	114.5
145	34.2	27.0	40.6

