

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026089.D
 Acq On : 30 May 2023 15:17
 Operator : SY/MD
 Sample : 02960-06MSD
 Misc : 5.64g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 H0FN8MSD

Quant Time: May 31 02:10:41 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	1080865	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	944631	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	461939	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	352253	23.166	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.680%
7) Chloroethane-d5	2.893	69	249682	21.936	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.760%
11) 1,1-Dichloroethene-d2	4.021	65	170407	22.728	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.920%
21) 2-Butanone-d5	7.075	46	221758	50.094	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.180%
24) Chloroform-d	7.648	84	690849	21.827	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.320%
26) 1,2-Dichloroethane-d4	8.301	65	392987	22.706	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.840%
32) Benzene-d6	8.276	84	1409477	22.175	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.680%
36) 1,2-Dichloropropane-d6	9.270	67	454322	22.561	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.240%
41) Toluene-d8	10.319	98	1252804	22.225	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.880%
43) trans-1,3-Dichloroprop...	10.575	79	177560	22.251	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.000%
47) 2-Hexanone-d5	10.922	63	158200	49.823	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.640%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	348851	23.806	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.240%
66) 1,2-Dichlorobenzene-d4	13.849	152	369476	20.897	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	278471	21.017	ug/L	100
3) Chloromethane	2.223	50	366123	21.550	ug/L	100
5) Vinyl chloride	2.375	62	380985	20.979	ug/L	98
6) Bromomethane	2.783	94	186784	18.867	ug/L	100
8) Chloroethane	2.930	64	194505	19.820	ug/L	98
9) Trichlorofluoromethane	3.265	101	239615	20.509	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	294626	19.985	ug/L	95
12) 1,1-Dichloroethene	4.045	96	282886	20.556	ug/L	89
13) Acetone	4.119	43	195806	57.163	ug/L	100
14) Carbon disulfide	4.387	76	967608	19.918	ug/L	98
15) Methyl Acetate	4.667	43	170454	22.172	ug/L	100
16) Methylene chloride	4.917	84	327377	18.977	ug/L	95
17) trans-1,2-Dichloroethene	5.423	96	304942	19.750	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	510873	20.993	ug/L	100
19) 1,1-Dichloroethane	6.216	63	617360	19.640	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	330856	20.230	ug/L	98
22) 2-Butanone	7.167	43	255977	52.387	ug/L	99
23) Bromochloromethane	7.514	128	138707	19.886	ug/L	95
25) Chloroform	7.673	83	568286	19.410	ug/L	97

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 Response via : Initial Calibration

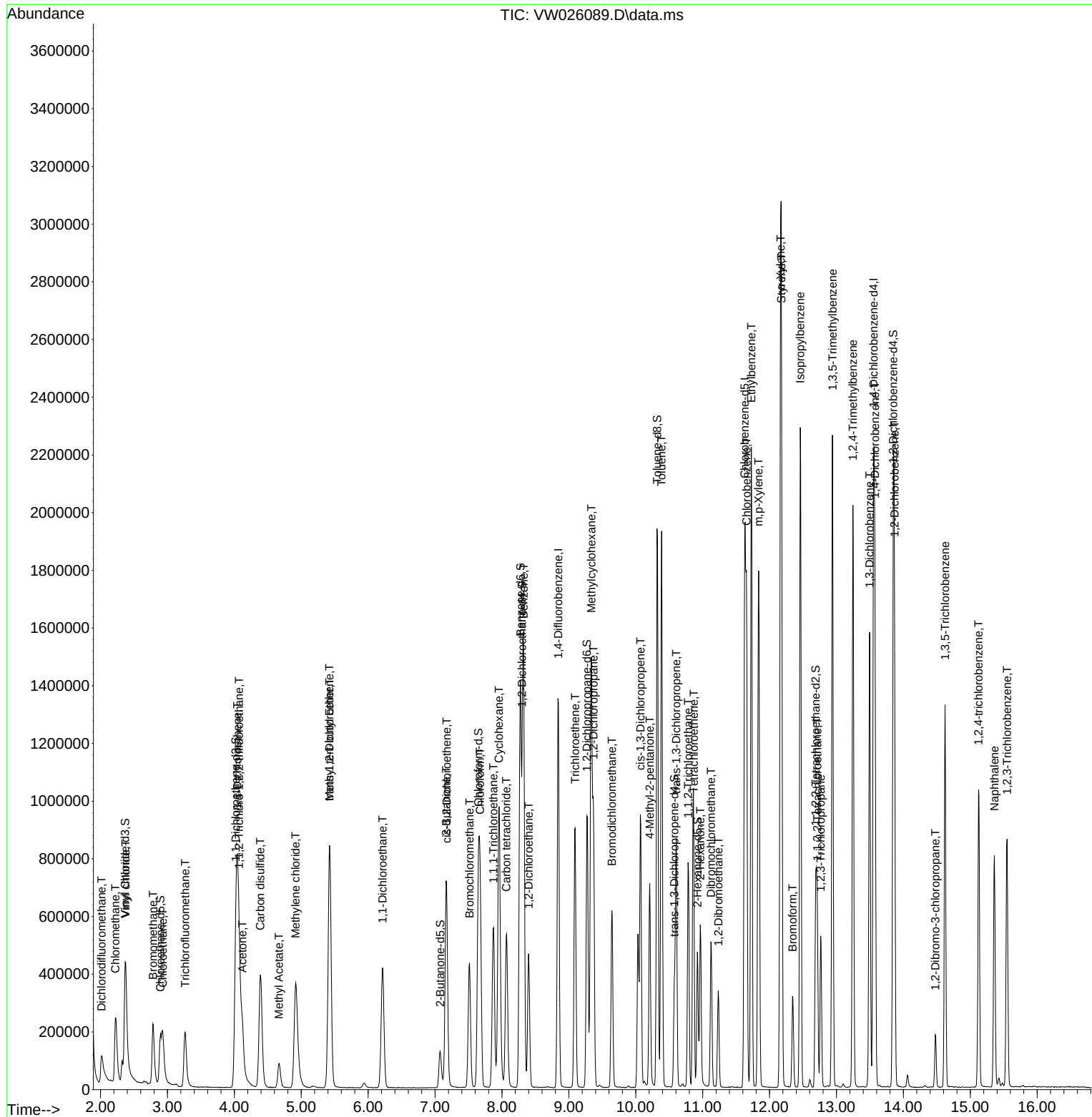
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	410739	20.341	ug/L	98
29) Cyclohexane	7.953	56	595943	20.434	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	457082	19.939	ug/L	100
31) Carbon tetrachloride	8.063	117	405336	19.377	ug/L	99
33) Benzene	8.325	78	1301097	20.107	ug/L	100
34) Trichloroethene	9.093	95	327574	19.769	ug/L	95
35) Methylcyclohexane	9.337	83	585405	19.966	ug/L	98
37) 1,2-Dichloropropane	9.368	63	353882	20.191	ug/L	99
38) Bromodichloromethane	9.642	83	411349	20.201	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	551030	21.394	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	491376	47.552	ug/L	99
42) Toluene	10.386	91	1327460	20.056	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	457363	21.314	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	236030	20.433	ug/L	100
46) Tetrachloroethene	10.867	164	217789	18.582	ug/L	96
48) 2-Hexanone	10.965	43	378090	51.892	ug/L	99
49) Dibromochloromethane	11.123	129	258178	21.317	ug/L	95
50) 1,2-Dibromoethane	11.233	107	223448	20.891	ug/L	93
51) Chlorobenzene	11.654	112	809937	19.528	ug/L	99
52) Ethylbenzene	11.727	91	1495746	20.033	ug/L	99
53) m,p-Xylene	11.837	106	546705	19.683	ug/L	99
54) o-Xylene	12.166	106	526480	20.083	ug/L	98
55) Styrene	12.178	104	890813	19.807	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.715	83	297670	21.293	ug/L	95
59) Bromoform	12.343	173	135379	19.512	ug/L	95
60) Isopropylbenzene	12.459	105	1432654	19.742	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	217031	20.975	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1157213	20.060	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	1062779	20.115	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	601854	19.725	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	598052	19.469	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	516618	18.855	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	47260	19.714	ug/L	99
69) 1,3,5-Trichlorobenzene	14.623	180	360996	17.224	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	304554	17.610	ug/L	96
71) Naphthalene	15.360	128	651708	21.143	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	266853	17.655	ug/L	99

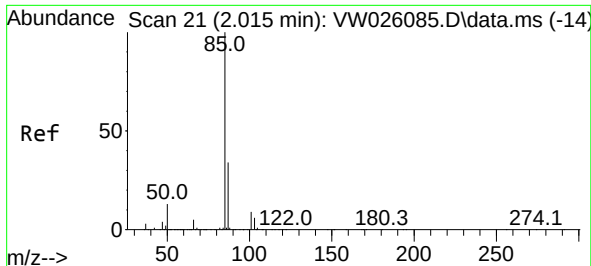
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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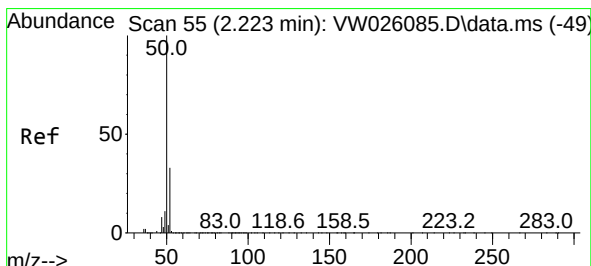
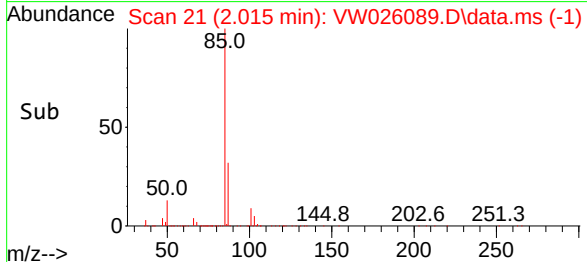
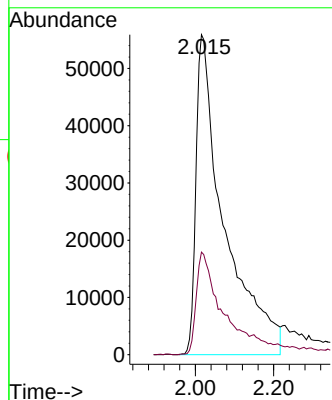
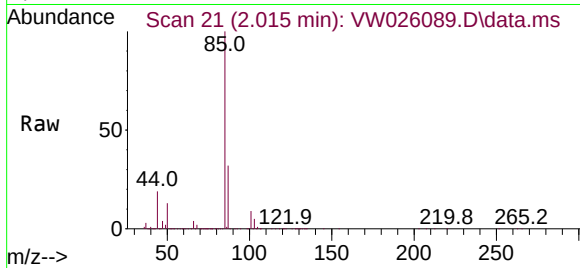




#2
 Dichlorodifluoromethane
 Concen: 21.017 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026089.D
 Acq: 30 May 2023 15:17

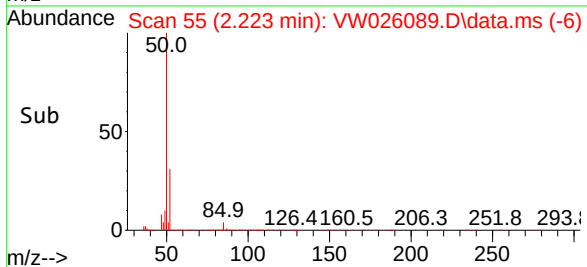
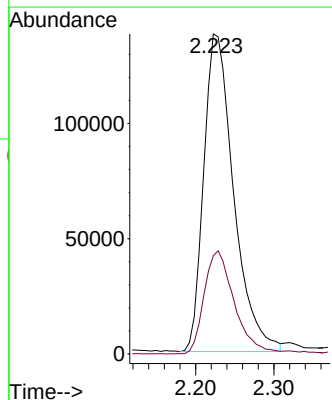
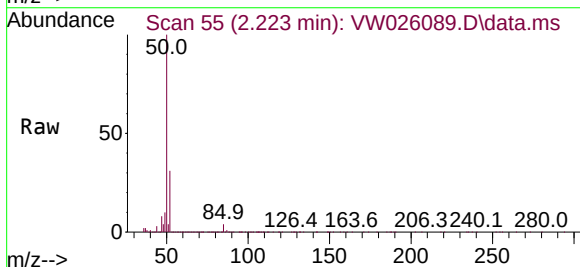
Instrument :
 MSVOA_W
 ClientSampleId :
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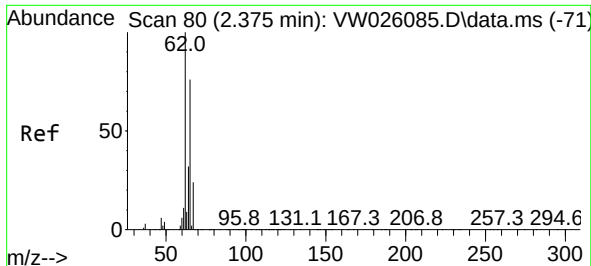
Tgt Ion: 85 Resp: 278471
 Ion Ratio Lower Upper
 85 100
 87 27.9 22.2 33.2



#3
 Chloromethane
 Concen: 21.550 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW026089.D
 Acq: 30 May 2023 15:17

Tgt Ion: 50 Resp: 366123
 Ion Ratio Lower Upper
 50 100
 52 30.7 21.3 39.6

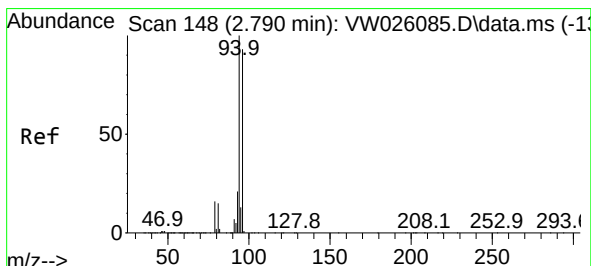
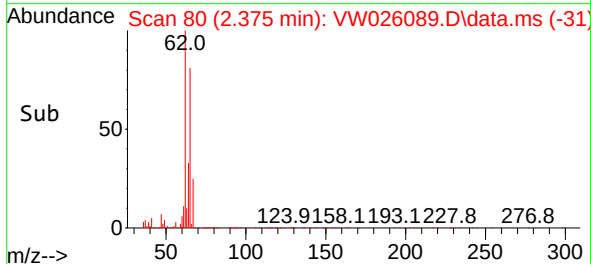
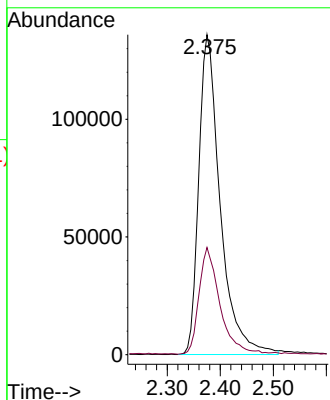
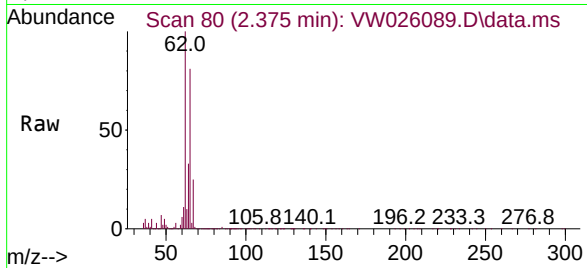




#5
 Vinyl chloride
 Concen: 20.979 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026089.D
 Acq: 30 May 2023 15:17

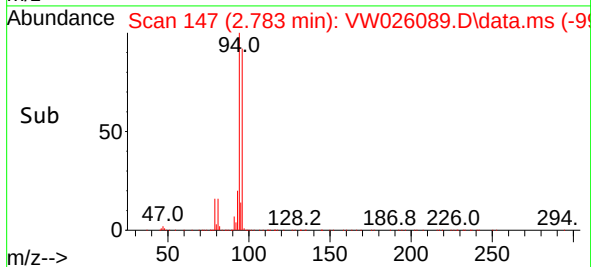
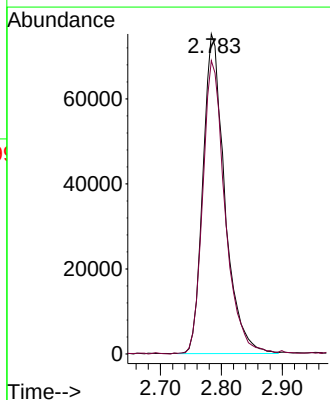
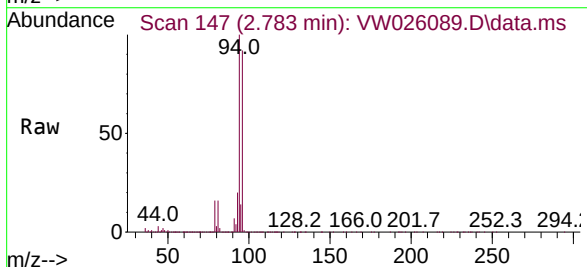
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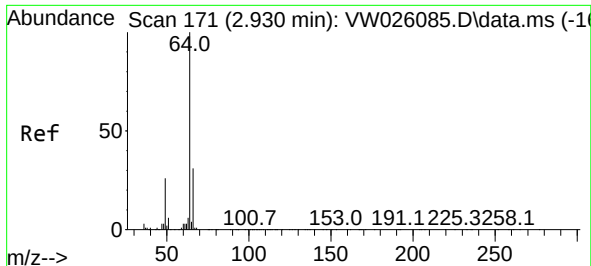
Tgt Ion: 62 Resp: 380985
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.7 42.1



#6
 Bromomethane
 Concen: 18.867 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026089.D
 Acq: 30 May 2023 15:17

Tgt Ion: 94 Resp: 186784
 Ion Ratio Lower Upper
 94 100
 96 91.7 64.2 119.2

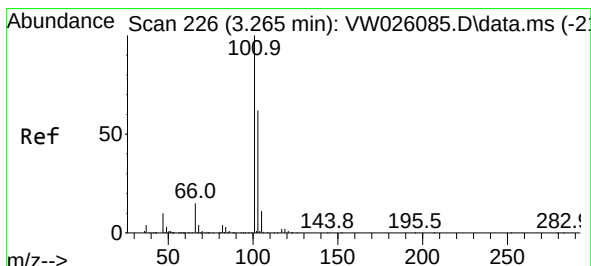
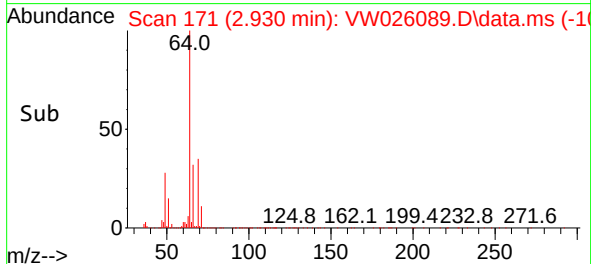
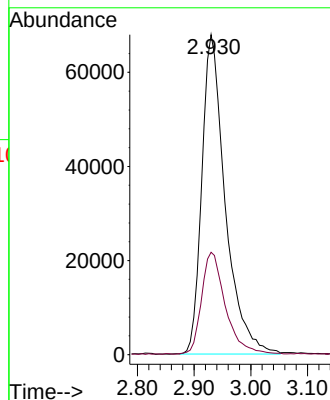
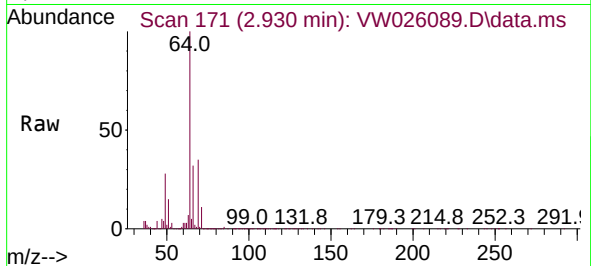




#8
Chloroethane
Concen: 19.820 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

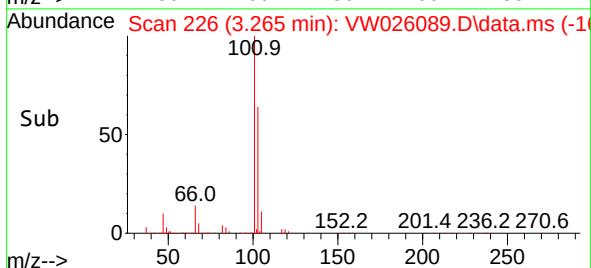
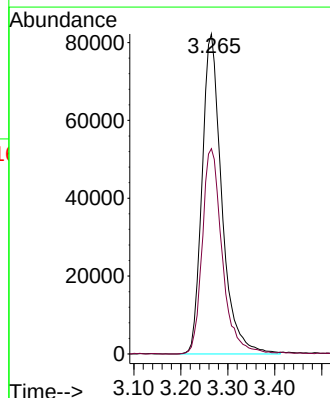
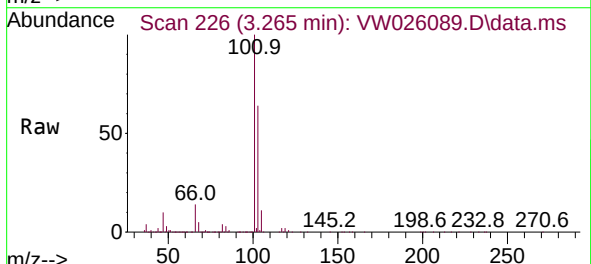
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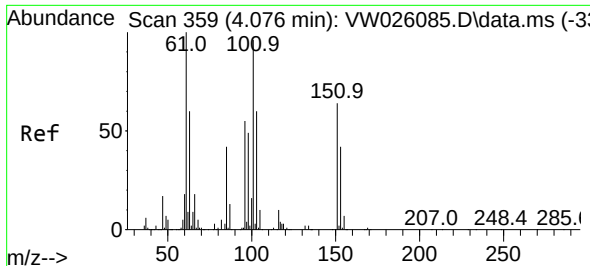
Tgt Ion: 64 Resp: 194505
Ion Ratio Lower Upper
64 100
66 32.0 23.2 43.2



#9
Trichlorofluoromethane
Concen: 20.509 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion:101 Resp: 239615
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

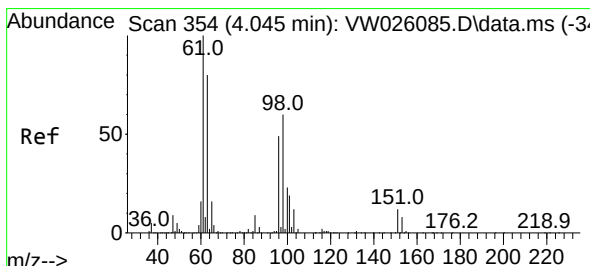
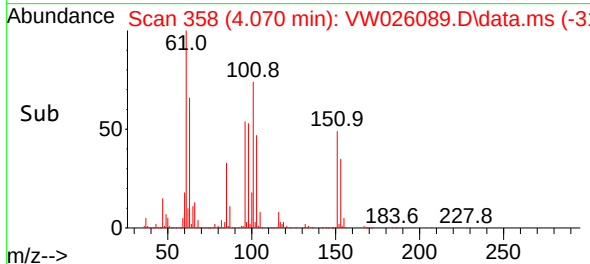
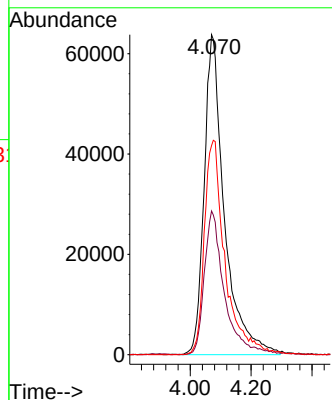
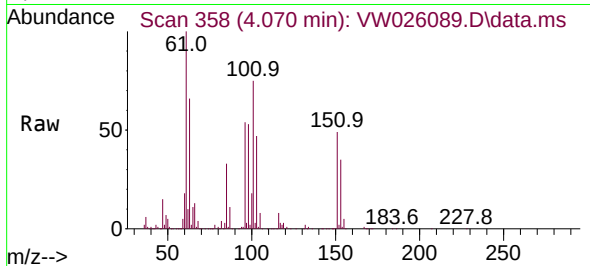




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.985 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
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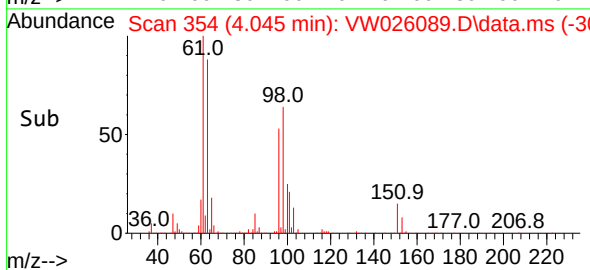
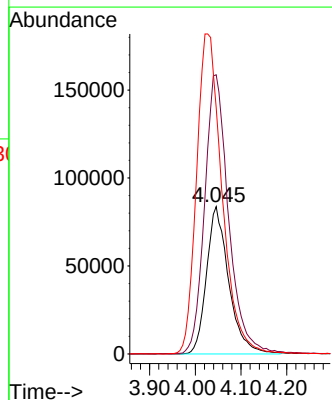
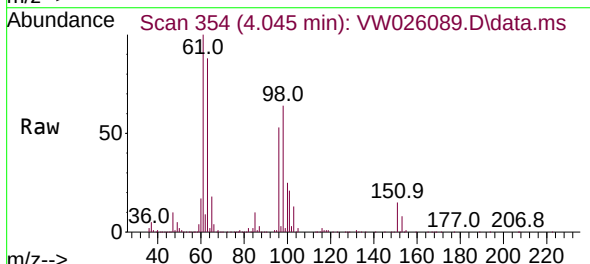
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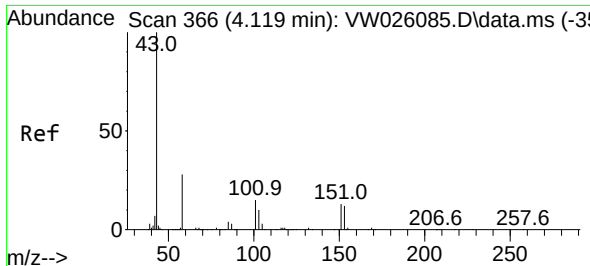
Tgt Ion:101 Resp: 294626
 Ion Ratio Lower Upper
 101 100
 85 42.7 36.1 54.1
 151 64.8 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 20.556 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026089.D
 Acq: 30 May 2023 15:17

Tgt Ion: 96 Resp: 282886
 Ion Ratio Lower Upper
 96 100
 61 189.3 140.6 261.0
 63 167.0 131.7 244.5

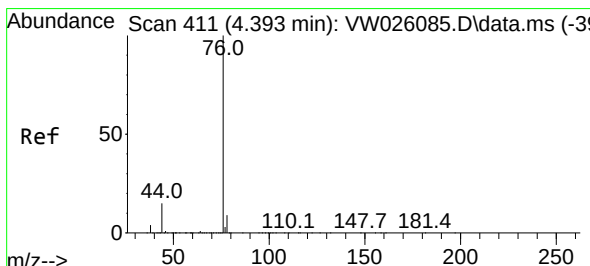
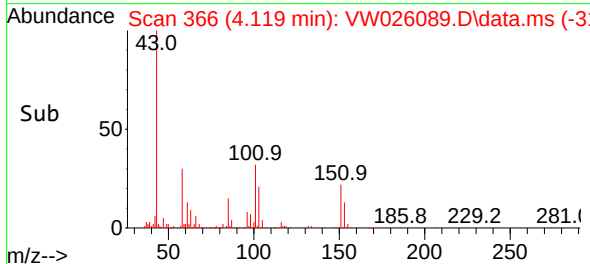
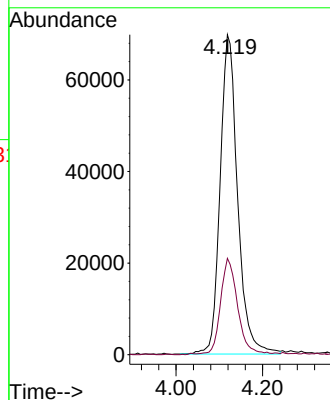
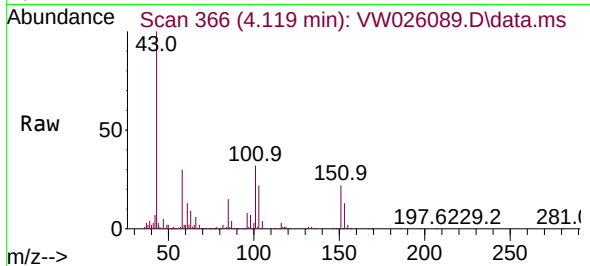




#13
Acetone
Concen: 57.163 ug/L
RT: 4.119 min Scan# 30
Delta R.T. -0.000 min
Lab File: VW026089.D
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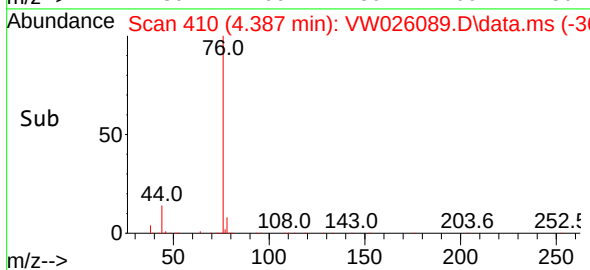
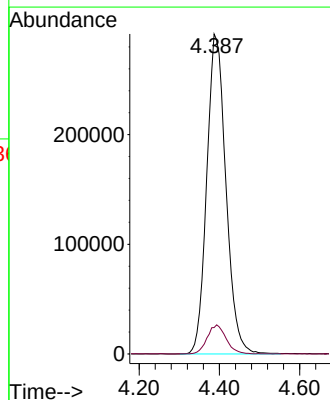
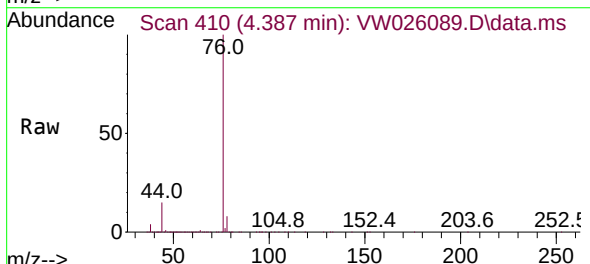
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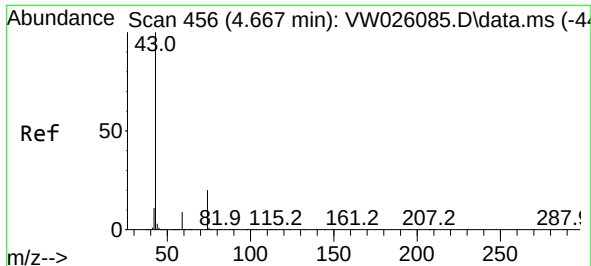
Tgt Ion: 43 Resp: 195806
Ion Ratio Lower Upper
43 100
58 29.0 0.0 58.2



#14
Carbon disulfide
Concen: 19.918 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 76 Resp: 967608
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8

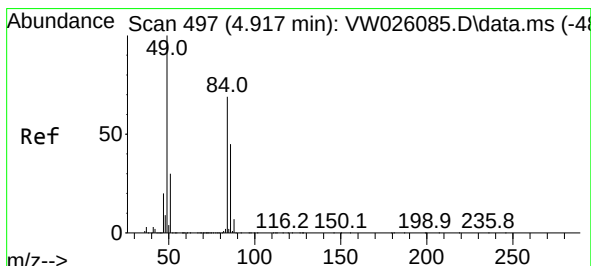
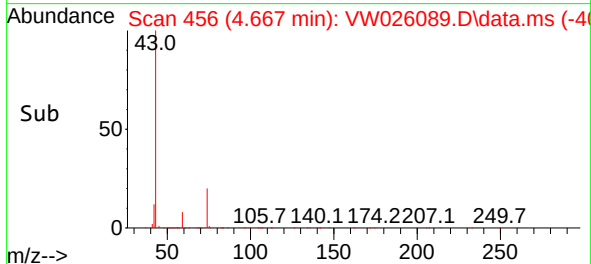
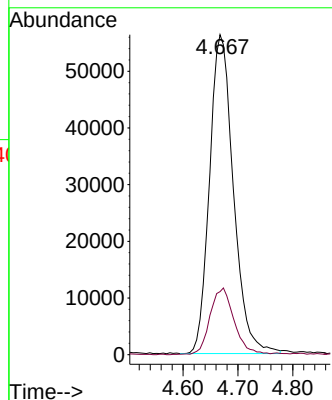
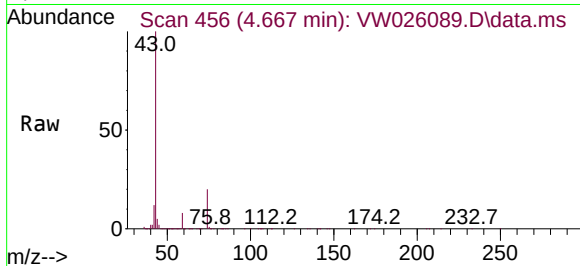




#15
Methyl Acetate
Concen: 22.172 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

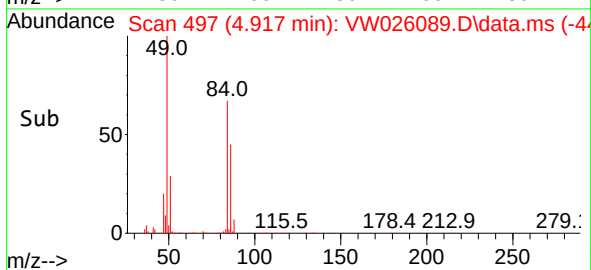
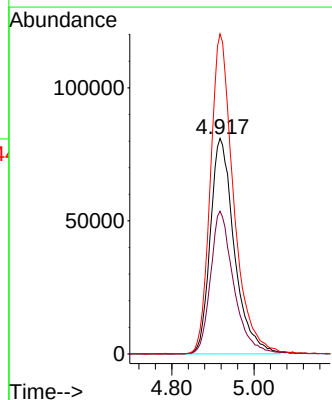
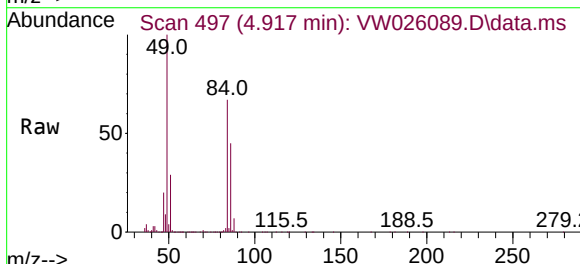
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

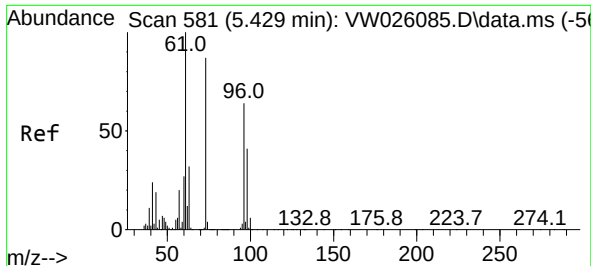
Tgt Ion: 43 Resp: 170454
Ion Ratio Lower Upper
43 100
74 20.6 16.6 25.0



#16
Methylene chloride
Concen: 18.977 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 84 Resp: 327377
Ion Ratio Lower Upper
84 100
86 66.2 44.2 82.0
49 148.5 98.8 183.6

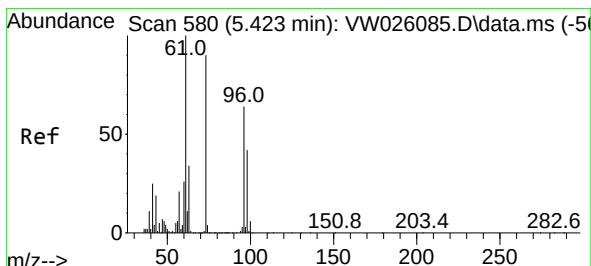
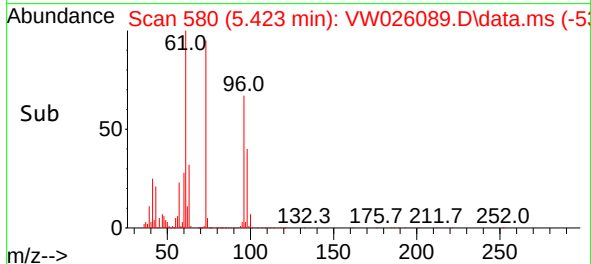
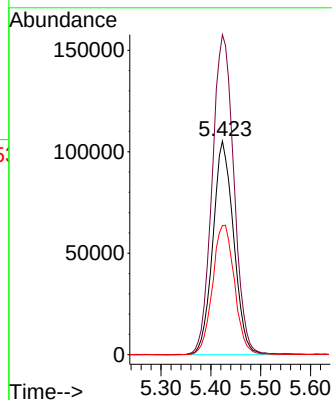
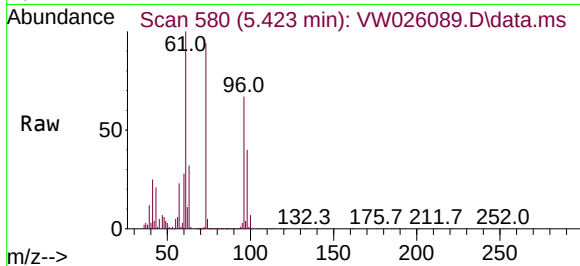




#17
trans-1,2-Dichloroethene
Concen: 19.750 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

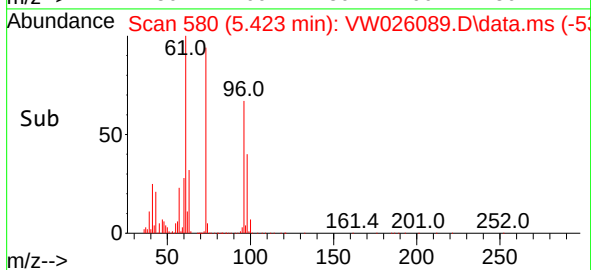
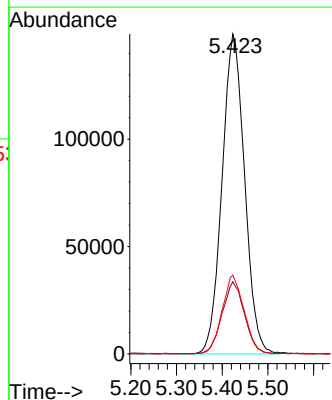
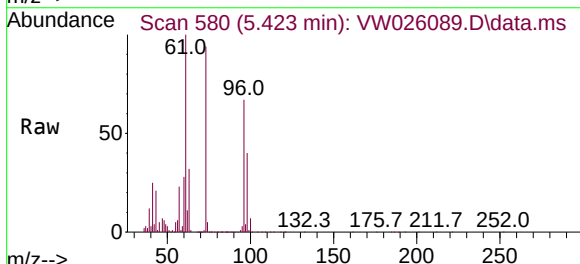
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

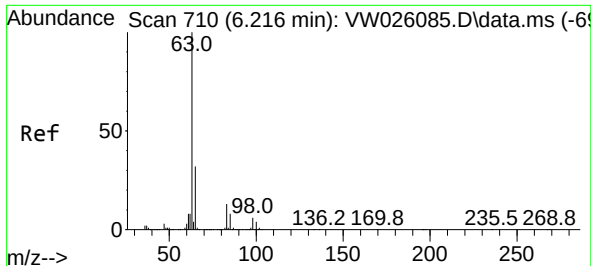
Tgt Ion: 96 Resp: 304942
Ion Ratio Lower Upper
96 100
61 149.8 113.0 209.8
98 60.4 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 20.993 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 73 Resp: 510873
Ion Ratio Lower Upper
73 100
43 22.3 17.8 26.6
57 23.9 18.9 28.3





#19

1,1-Dichloroethane

Concen: 19.640 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MSD

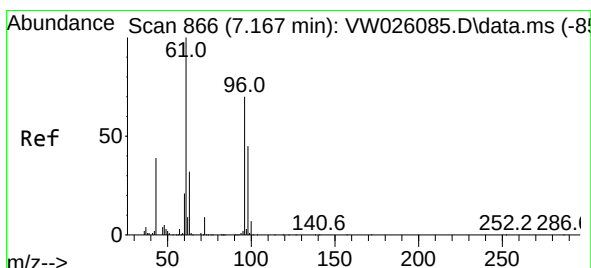
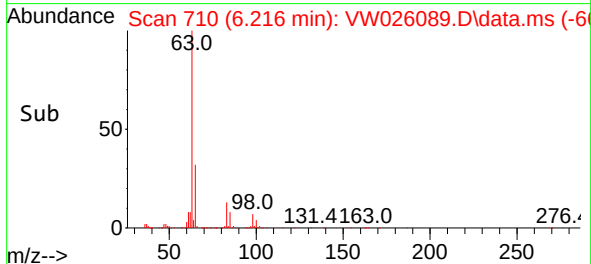
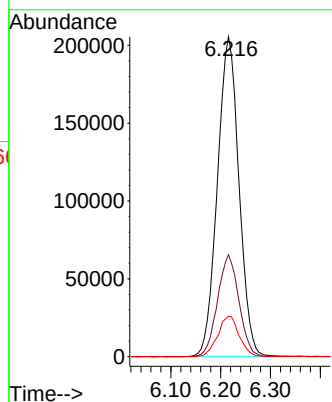
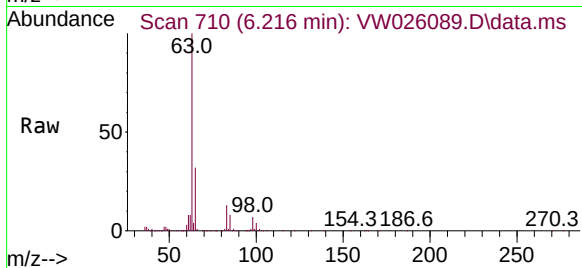
Tgt Ion: 63 Resp: 617360

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 12.7 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 20.230 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

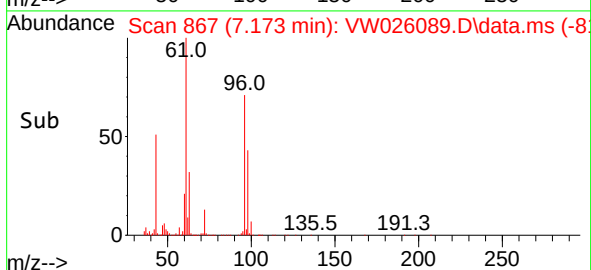
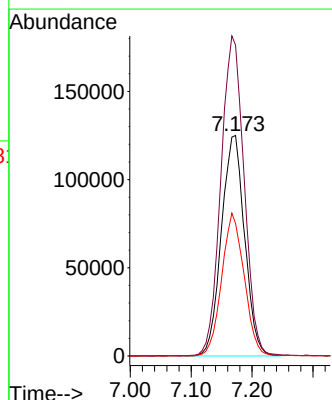
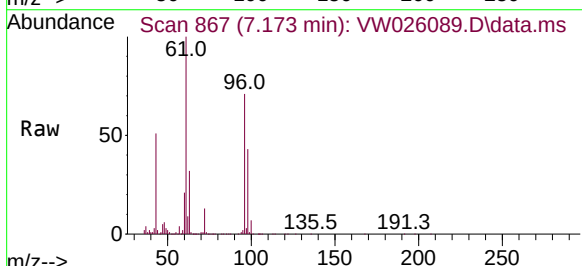
Tgt Ion: 96 Resp: 330856

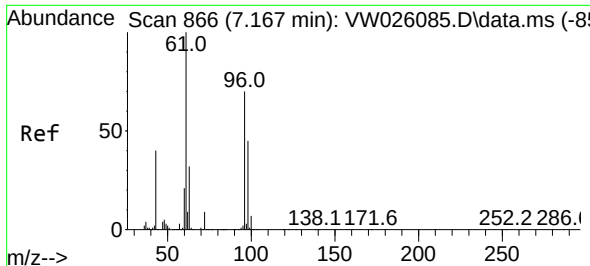
Ion Ratio Lower Upper

96 100

61 141.0 98.4 182.8

98 60.1 45.2 84.0

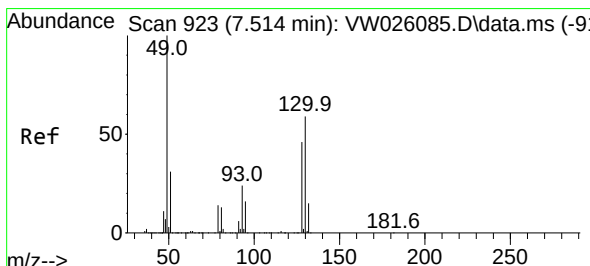
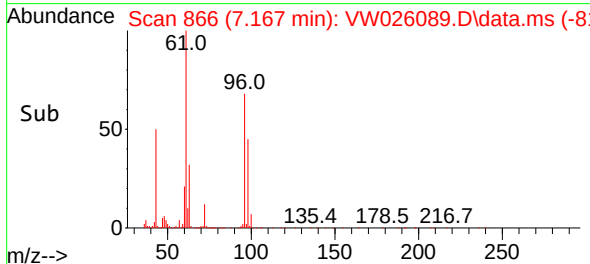
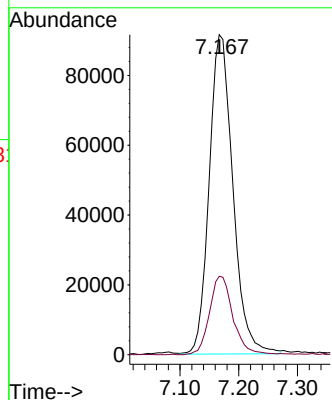
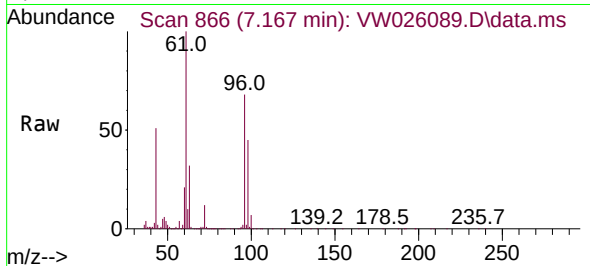




#22
2-Butanone
Concen: 52.387 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

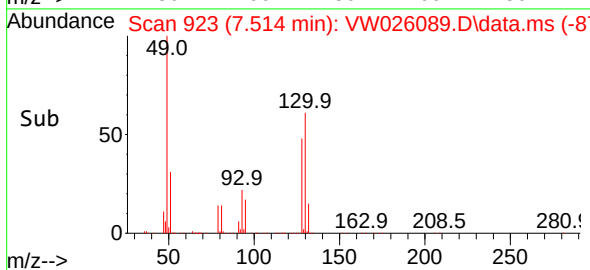
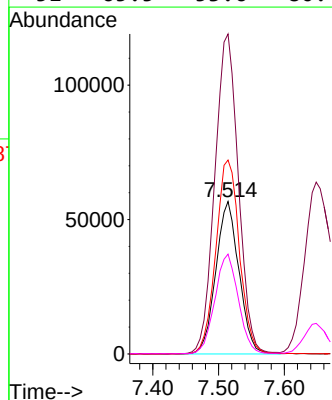
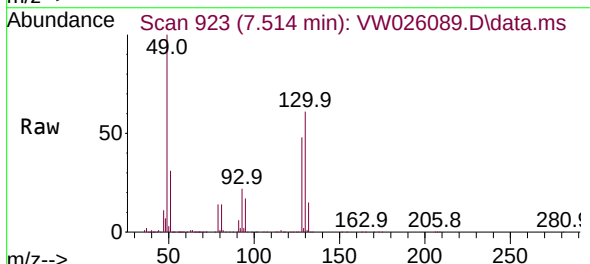
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

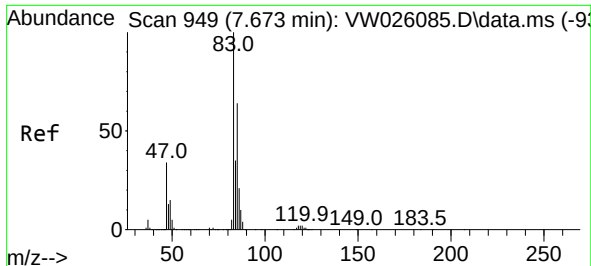
Tgt Ion: 43 Resp: 255977
Ion Ratio Lower Upper
43 100
72 24.2 12.4 37.4



#23
Bromochloromethane
Concen: 19.886 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 128 Resp: 138707
Ion Ratio Lower Upper
128 100
49 209.9 140.6 261.0
130 127.2 86.0 159.6
51 65.5 53.6 80.4

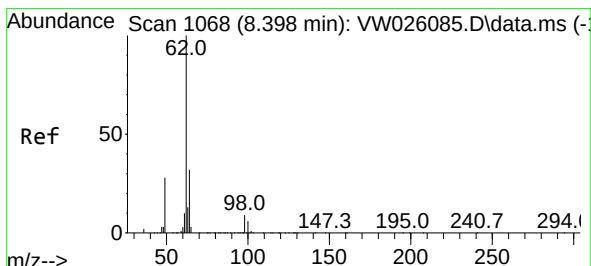
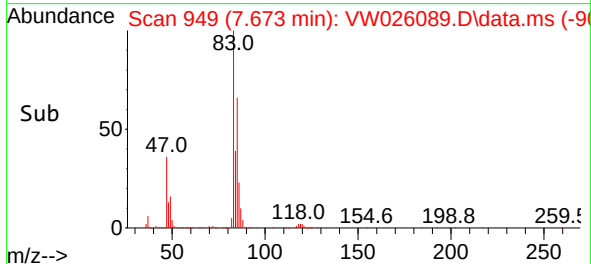
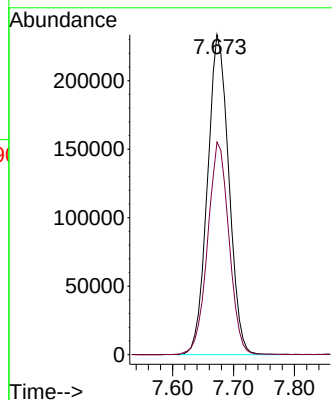
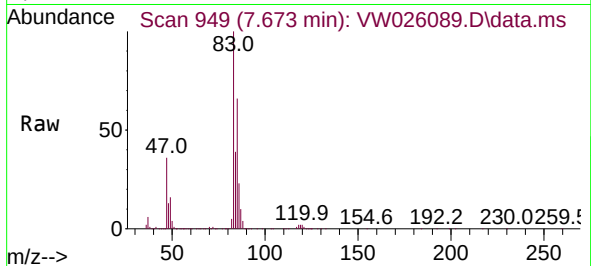




#25
Chloroform
Concen: 19.410 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

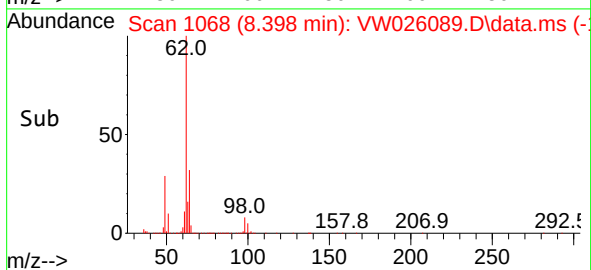
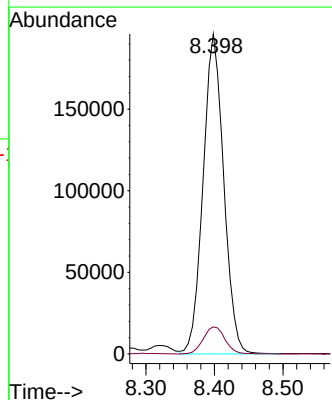
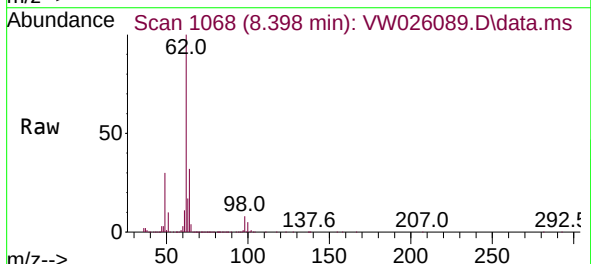
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

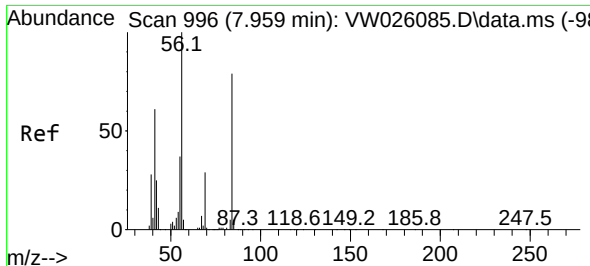
Tgt Ion: 83 Resp: 568286
Ion Ratio Lower Upper
83 100
85 66.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 20.341 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 62 Resp: 410739
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.2

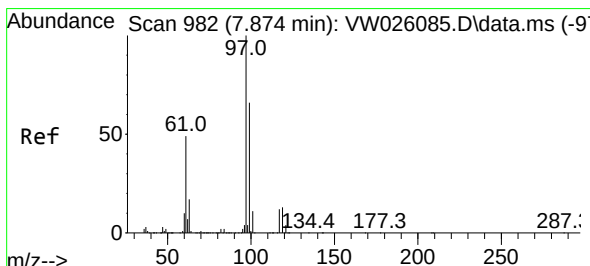
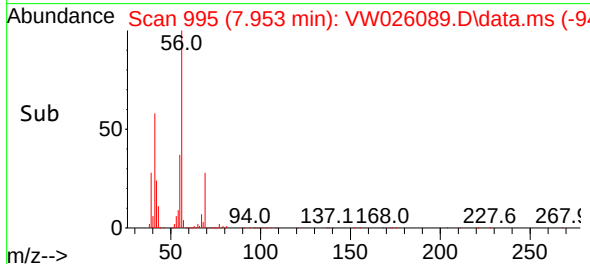
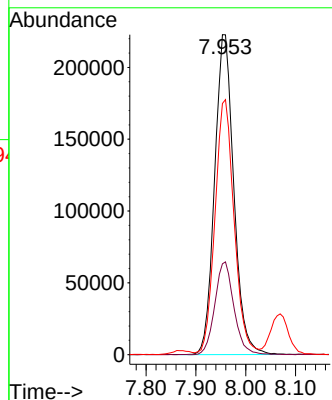
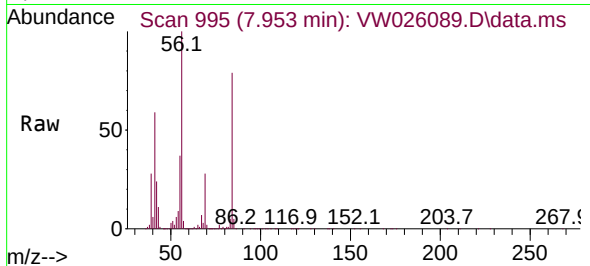




#29
Cyclohexane
Concen: 20.434 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

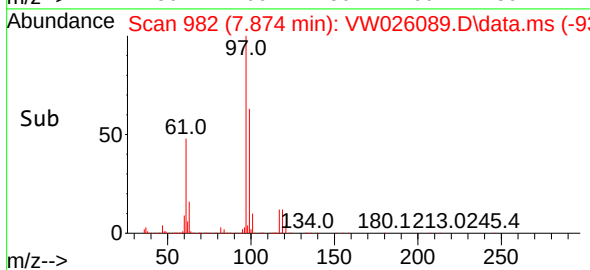
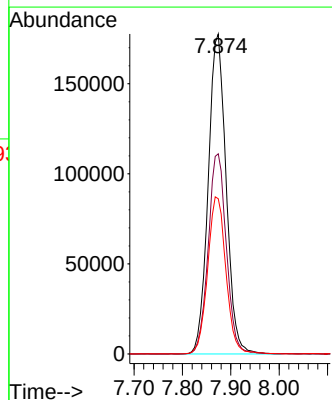
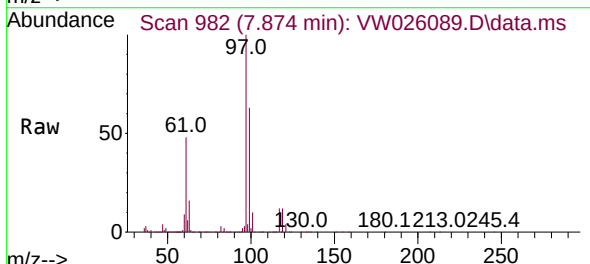
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

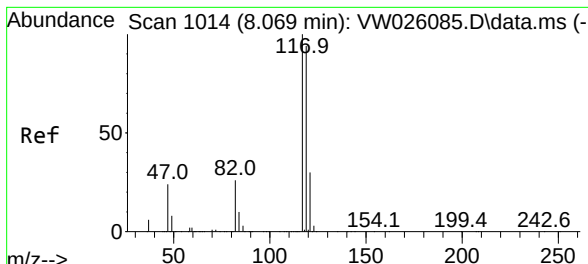
Tgt Ion: 56 Resp: 595943
Ion Ratio Lower Upper
56 100
69 28.8 23.3 34.9
84 79.4 63.0 94.6



#30
1,1,1-Trichloroethane
Concen: 19.939 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 97 Resp: 457082
Ion Ratio Lower Upper
97 100
99 63.4 50.6 76.0
61 50.3 40.5 60.7

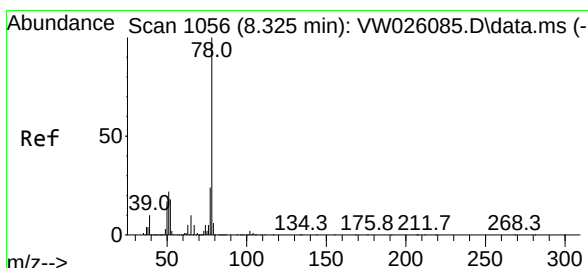
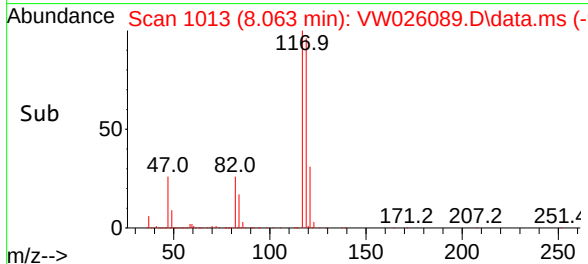
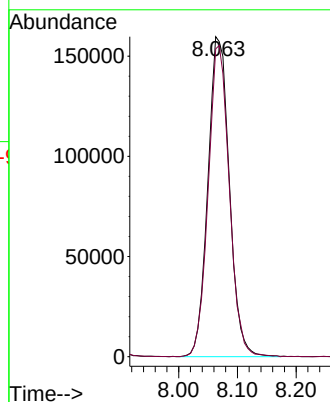
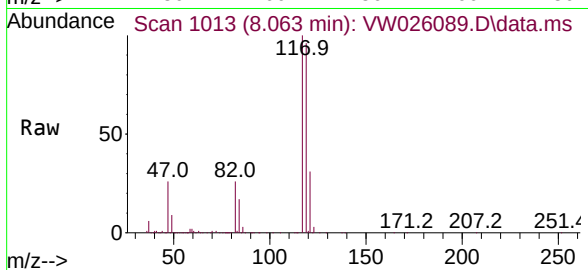




#31
Carbon tetrachloride
Concen: 19.377 ug/L
RT: 8.063 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

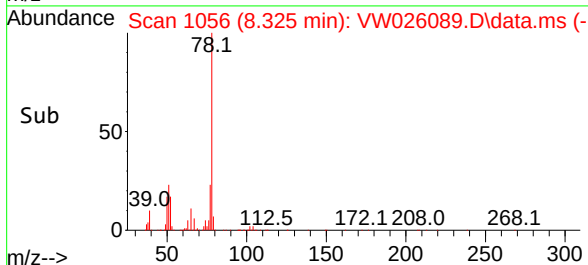
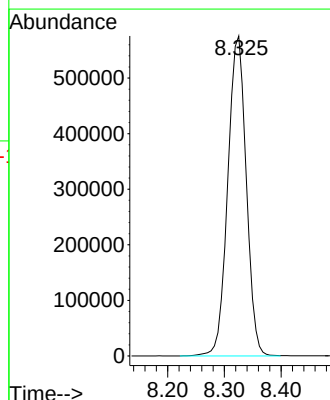
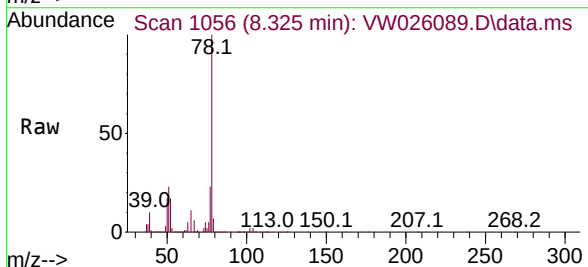
Instrument : MSVOA_W
ClientSampleId : H0FN8MSD

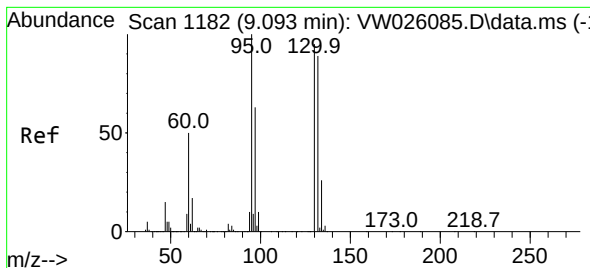
Tgt Ion:117 Resp: 405336
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.2



#33
Benzene
Concen: 20.107 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 78 Resp: 1301097





#34

Trichloroethene

Concen: 19.769 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MSD

Tgt Ion: 95 Resp: 327574

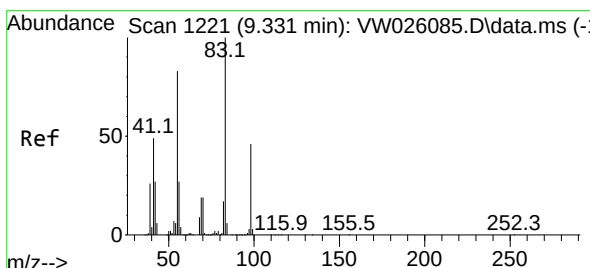
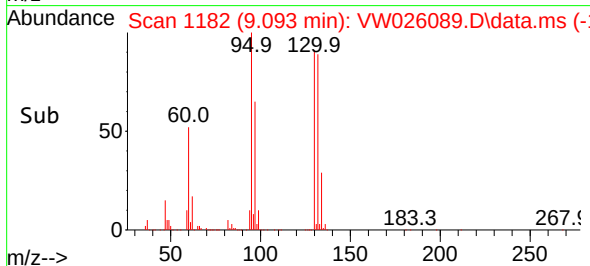
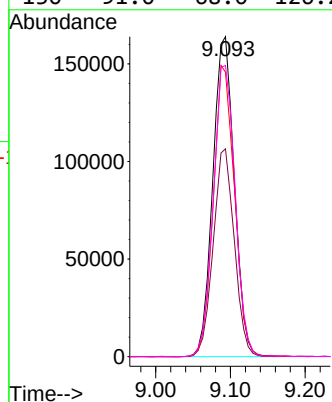
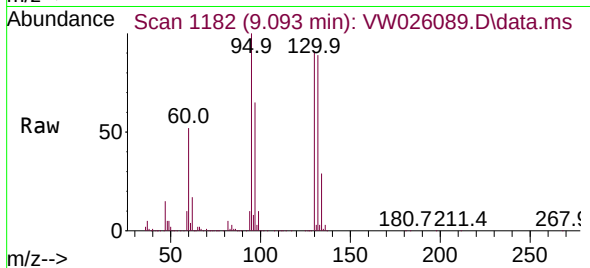
Ion Ratio Lower Upper

95 100

97 65.0 45.9 85.3

132 88.9 67.1 124.7

130 91.0 68.0 126.2



#35

Methylcyclohexane

Concen: 19.966 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

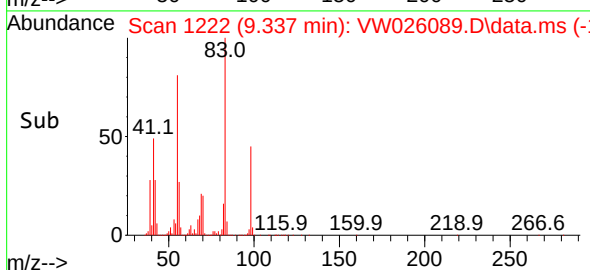
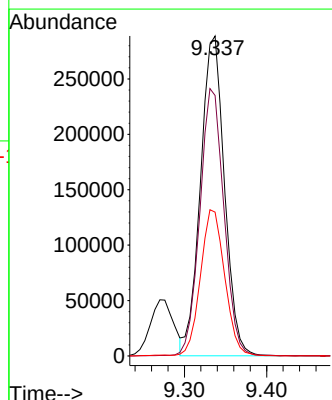
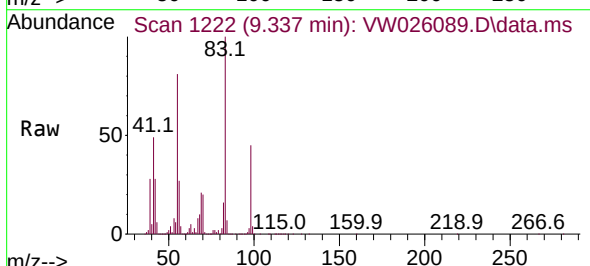
Tgt Ion: 83 Resp: 585405

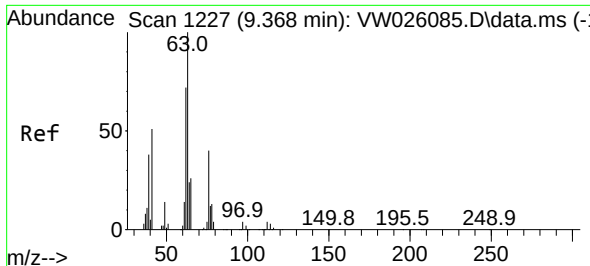
Ion Ratio Lower Upper

83 100

55 84.1 68.2 102.4

98 46.3 38.1 57.1





#37

1,2-Dichloropropane

Concen: 20.191 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

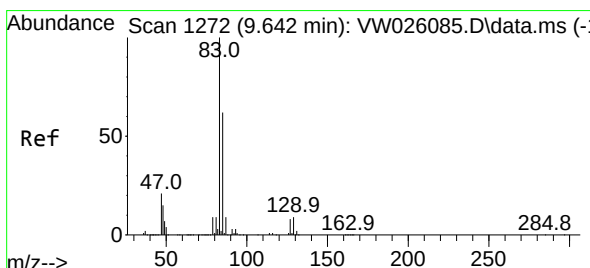
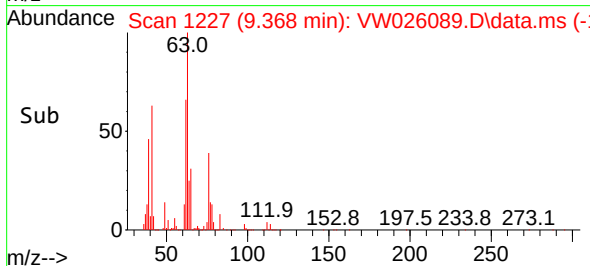
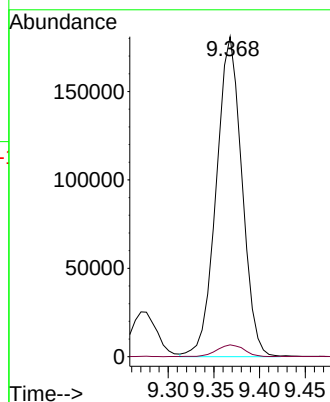
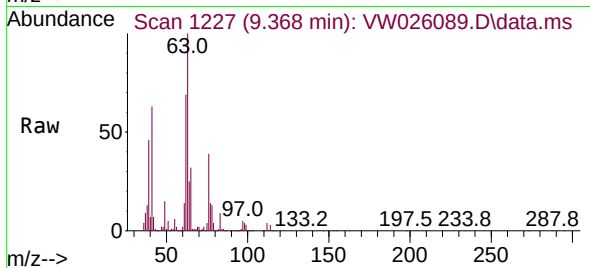
H0FN8MSD

Tgt Ion: 63 Resp: 353882

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 20.201 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

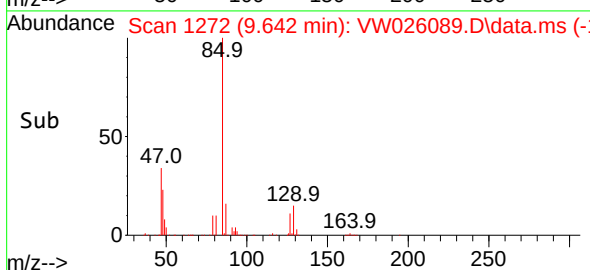
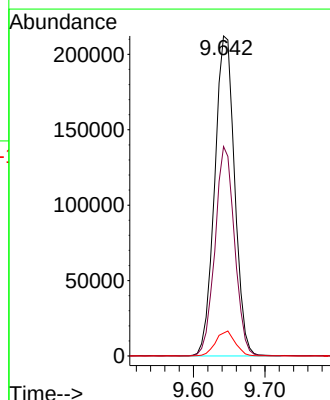
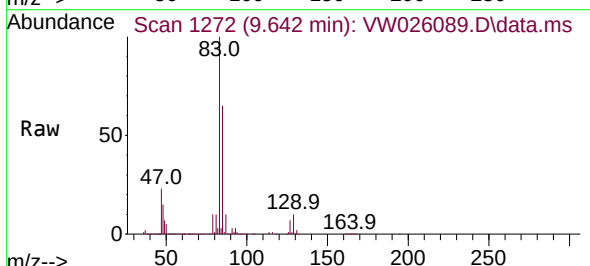
Tgt Ion: 83 Resp: 411349

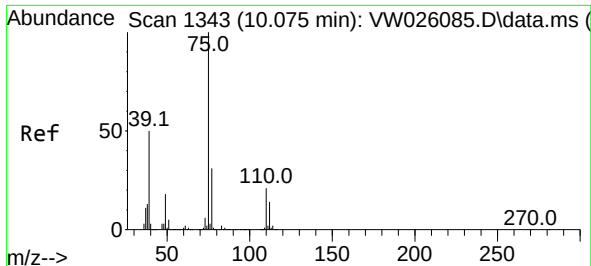
Ion Ratio Lower Upper

83 100

85 65.5 44.2 82.0

127 7.1 6.2 9.2

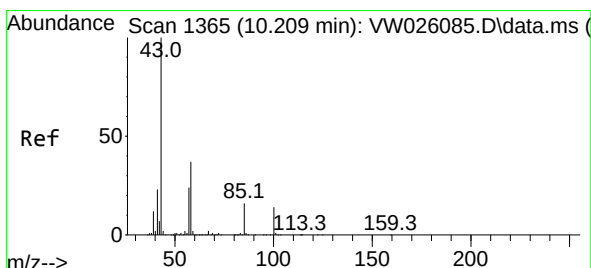
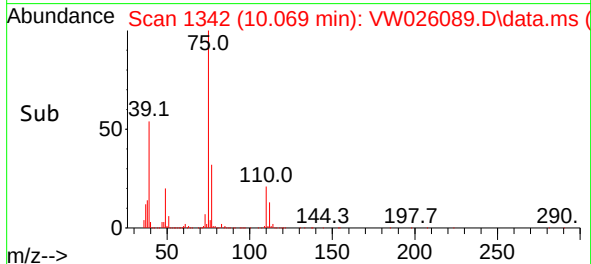
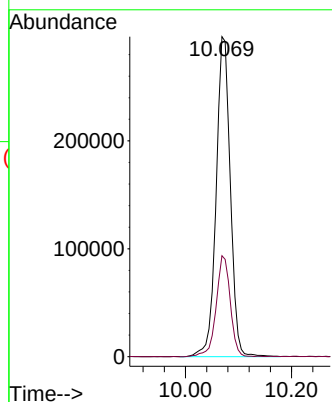
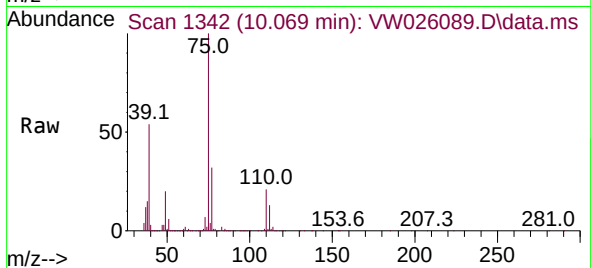




#39
 cis-1,3-Dichloropropene
 Concen: 21.394 ug/L
 RT: 10.069 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VW026089.D
 Acq: 30 May 2023 15:17

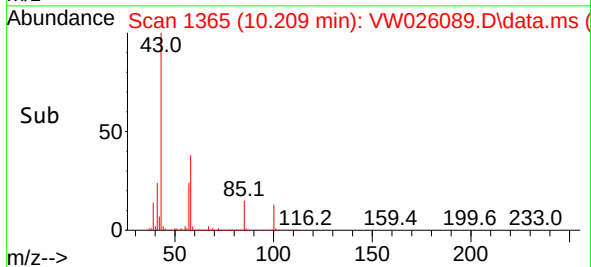
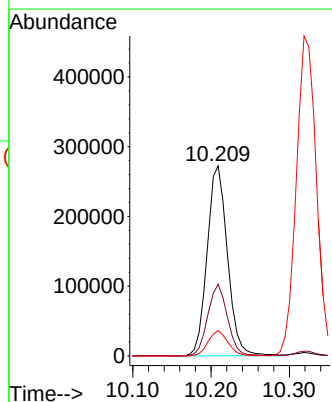
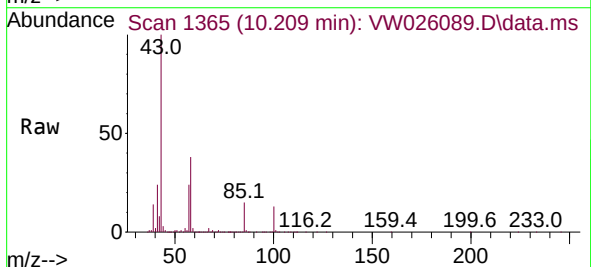
Instrument :
 MSVOA_W
 ClientSampleId :
 H0FN8MSD

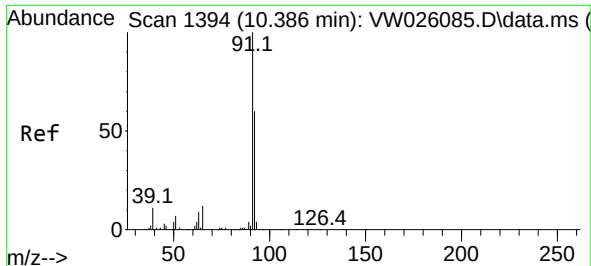
Tgt Ion: 75 Resp: 551030
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 47.552 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW026089.D
 Acq: 30 May 2023 15:17

Tgt Ion: 43 Resp: 491376
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.0 43.4
 100 13.0 10.5 15.7

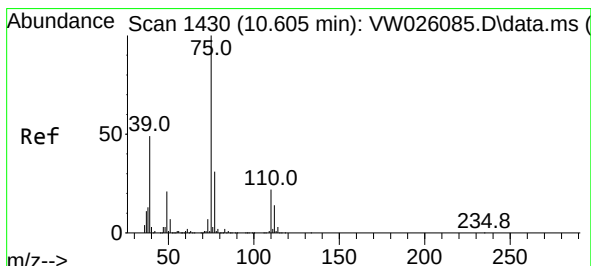
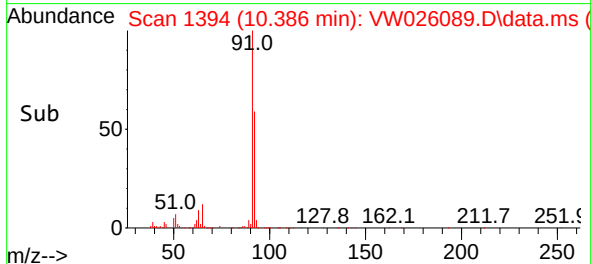
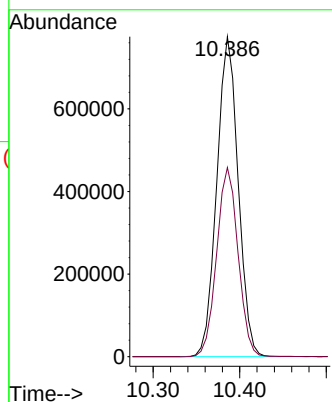
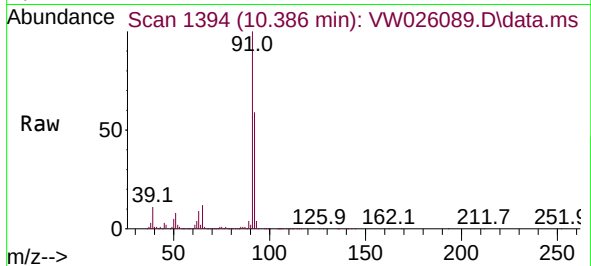




#42
Toluene
Concen: 20.056 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

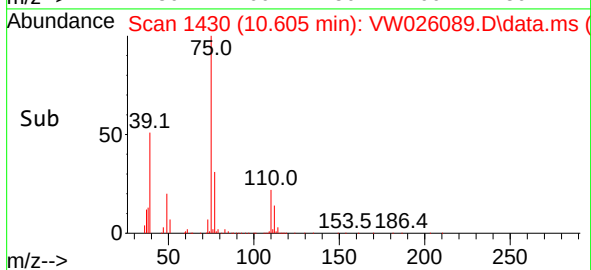
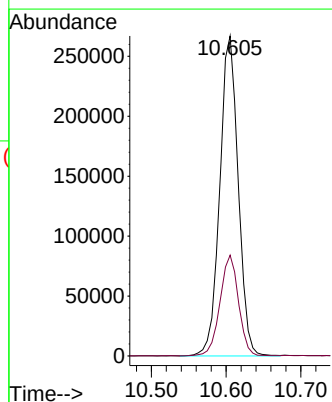
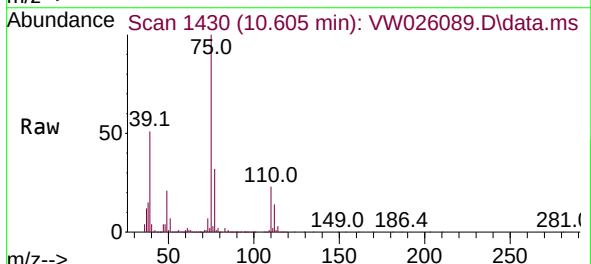
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

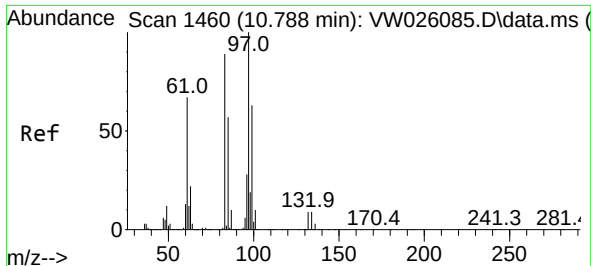
Tgt Ion: 91 Resp: 1327460
Ion Ratio Lower Upper
91 100
92 59.1 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 21.314 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 75 Resp: 457363
Ion Ratio Lower Upper
75 100
77 31.5 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 20.433 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MSD

Tgt Ion: 97 Resp: 236030

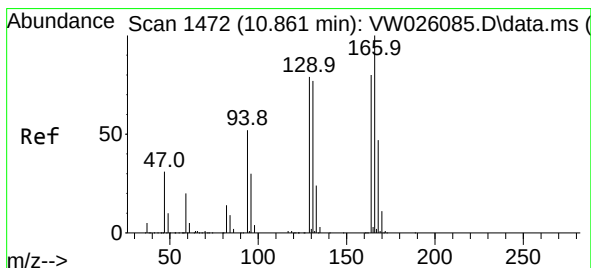
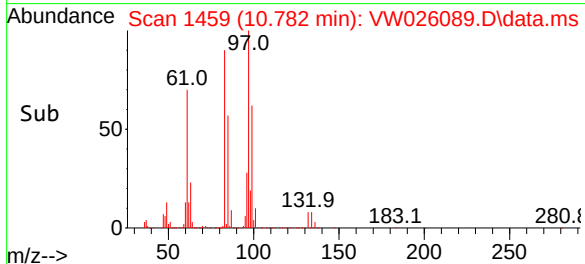
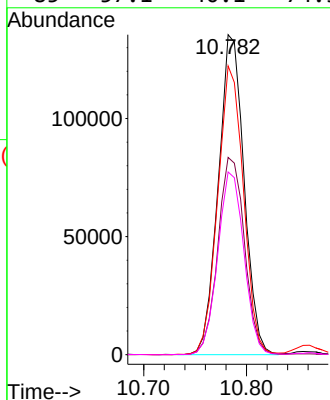
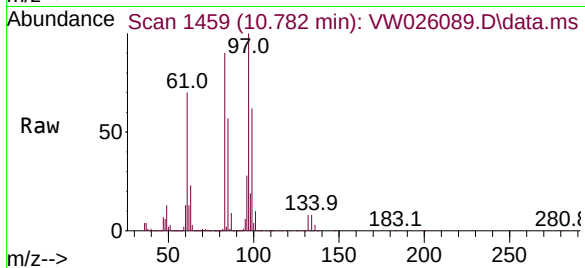
Ion Ratio Lower Upper

97 100

99 61.6 43.3 80.5

83 90.3 62.9 116.9

85 57.1 40.1 74.5



#46

Tetrachloroethene

Concen: 18.582 ug/L

RT: 10.867 min Scan# 1473

Delta R.T. 0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Tgt Ion:164 Resp: 217789

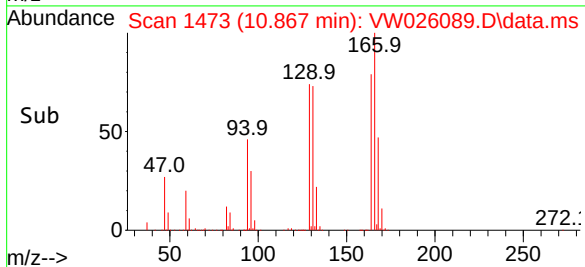
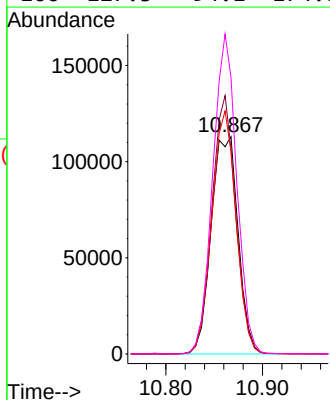
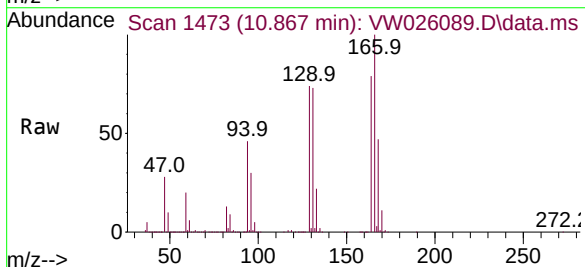
Ion Ratio Lower Upper

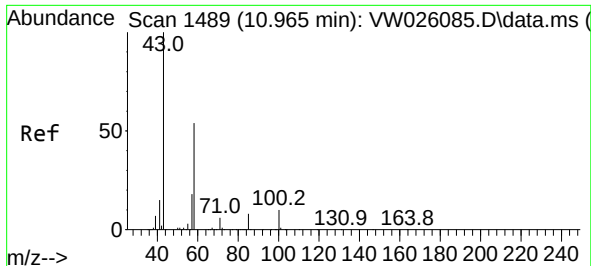
164 100

129 94.3 68.5 127.1

131 92.9 67.1 124.7

166 127.3 94.1 174.8

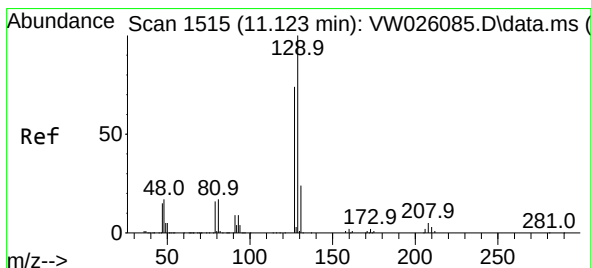
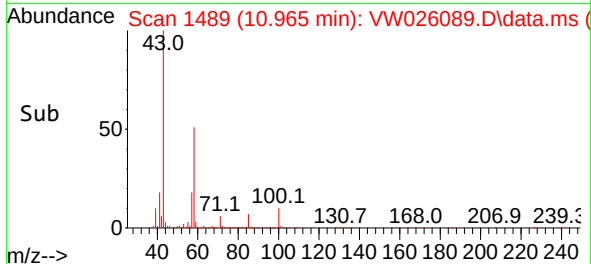
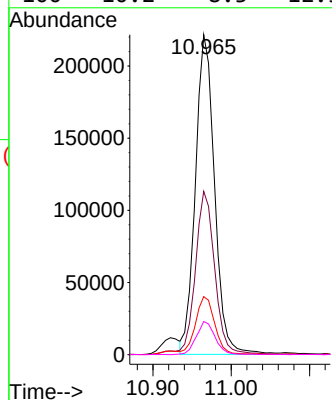
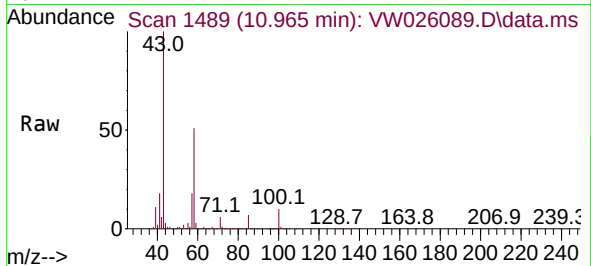




#48
2-Hexanone
Concen: 51.892 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

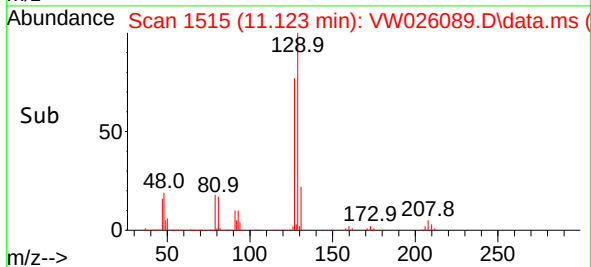
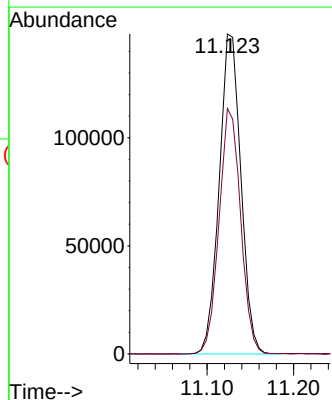
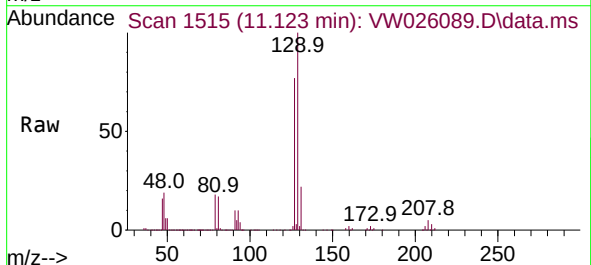
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

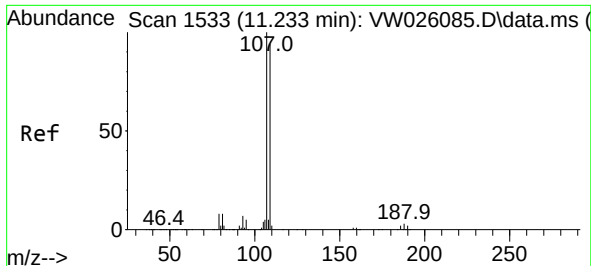
Tgt Ion: 43 Resp: 378090
Ion Ratio Lower Upper
43 100
58 51.3 42.2 63.2
57 17.6 14.2 21.2
100 10.2 8.3 12.5



#49
Dibromochloromethane
Concen: 21.317 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 129 Resp: 258178
Ion Ratio Lower Upper
129 100
127 76.7 56.9 105.7

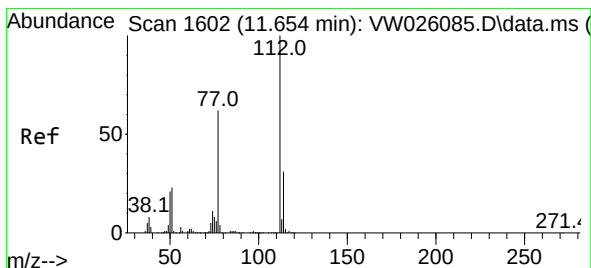
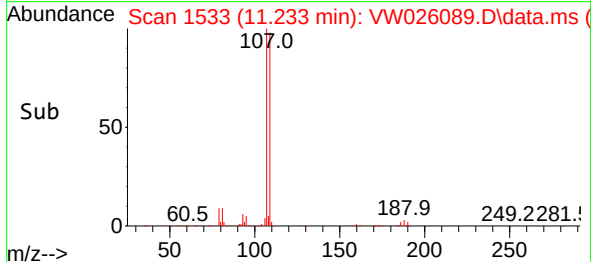
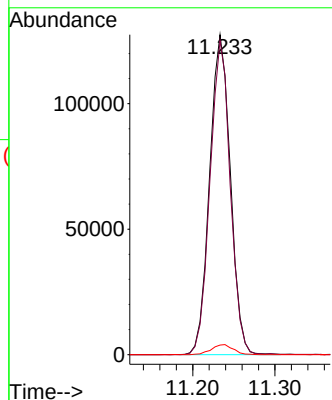
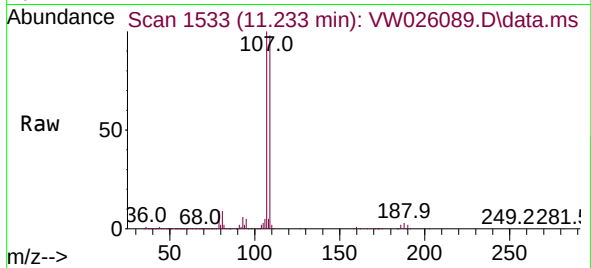




#50
1,2-Dibromoethane
Concen: 20.891 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

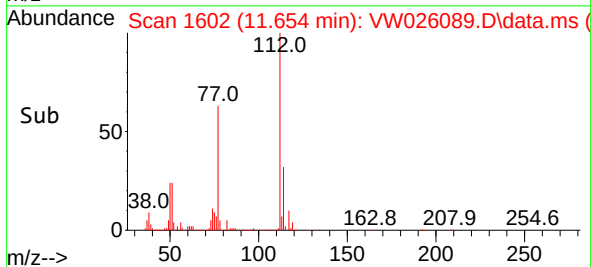
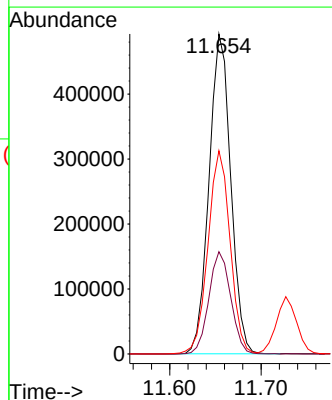
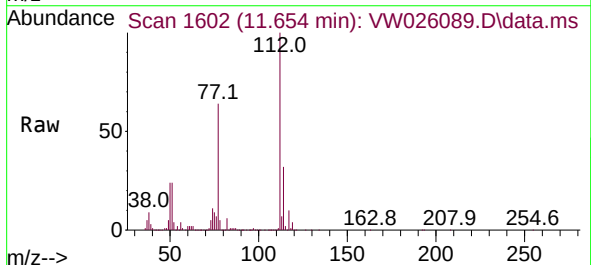
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

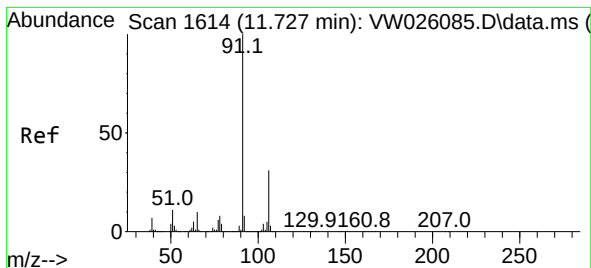
Tgt Ion:107 Resp: 223448
Ion Ratio Lower Upper
107 100
109 98.1 64.0 119.0
188 3.0 2.6 3.8



#51
Chlorobenzene
Concen: 19.528 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion:112 Resp: 809937
Ion Ratio Lower Upper
112 100
114 31.9 23.0 42.6
77 63.5 50.9 76.3

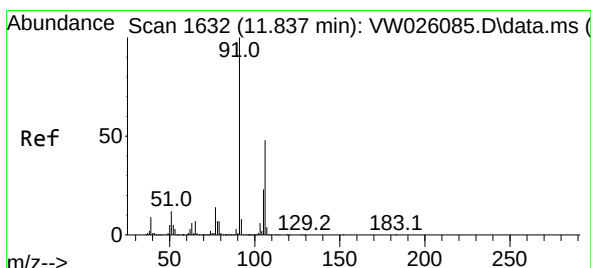
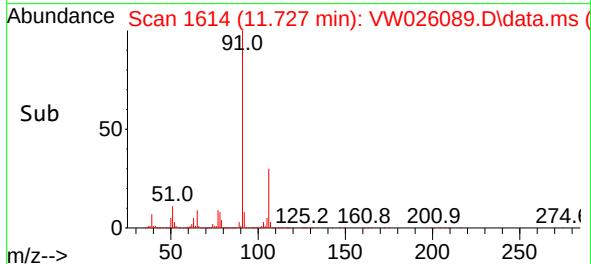
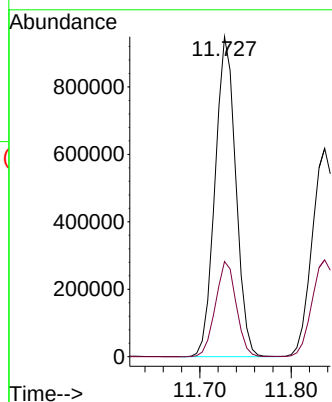
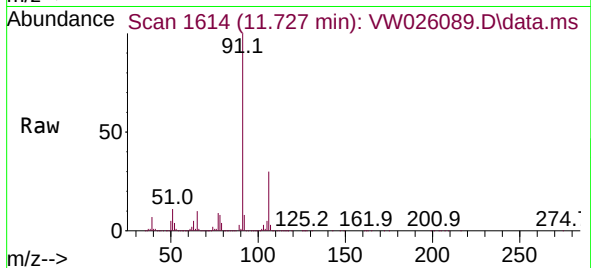




#52
Ethylbenzene
Concen: 20.033 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

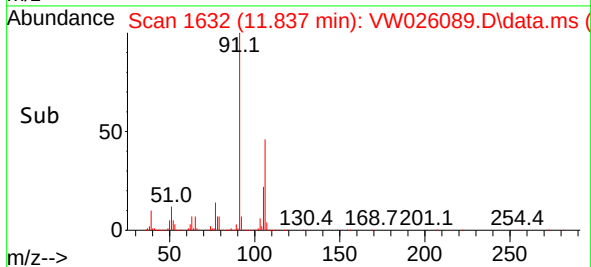
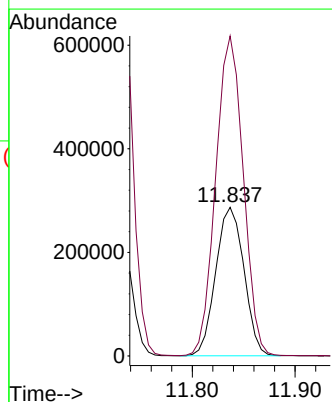
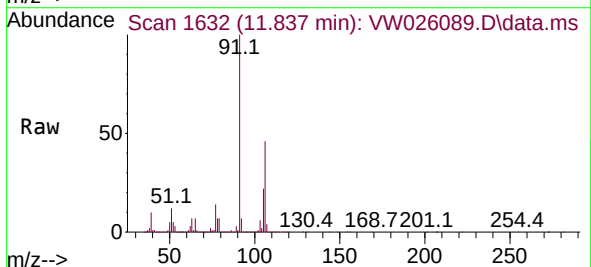
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

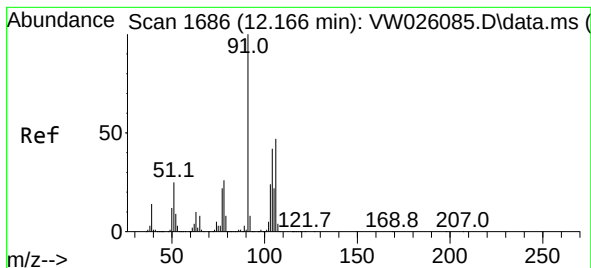
Tgt Ion: 91 Resp: 1495746
Ion Ratio Lower Upper
91 100
106 29.8 21.2 39.4



#53
m,p-Xylene
Concen: 19.683 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 106 Resp: 546705
Ion Ratio Lower Upper
106 100
91 215.2 149.5 277.7

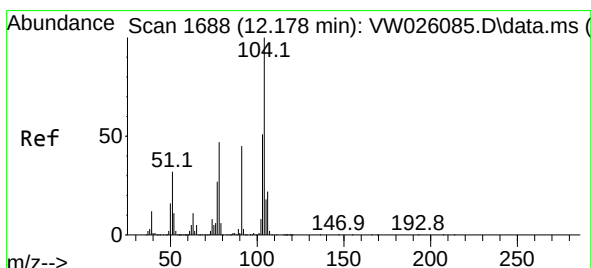
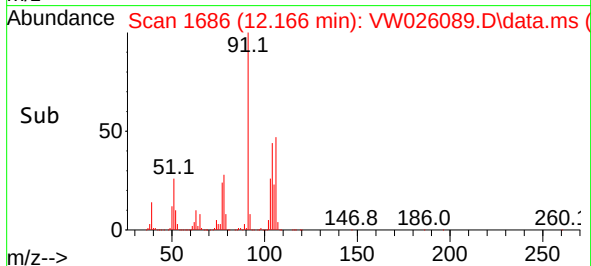
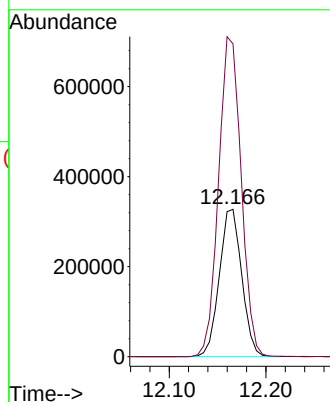
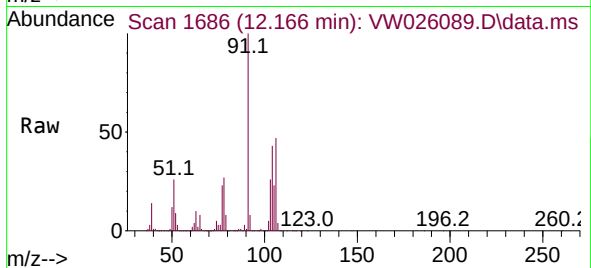




#54
o-Xylene
Concen: 20.083 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

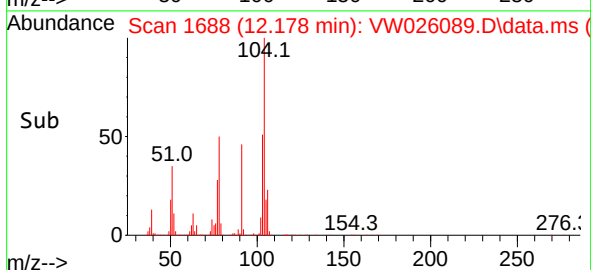
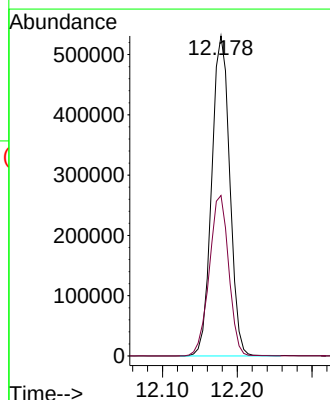
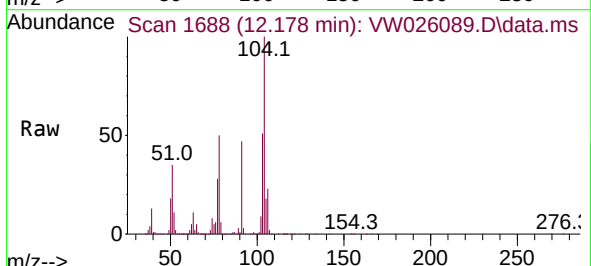
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

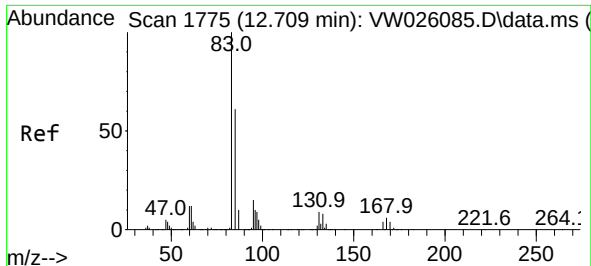
Tgt Ion:106 Resp: 526480
Ion Ratio Lower Upper
106 100
91 212.2 150.9 280.3



#55
Styrene
Concen: 19.807 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion:104 Resp: 890813
Ion Ratio Lower Upper
104 100
78 50.2 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 21.293 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MSD

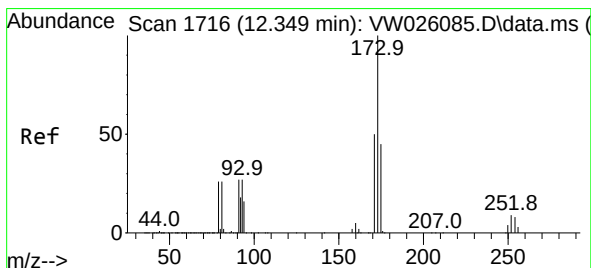
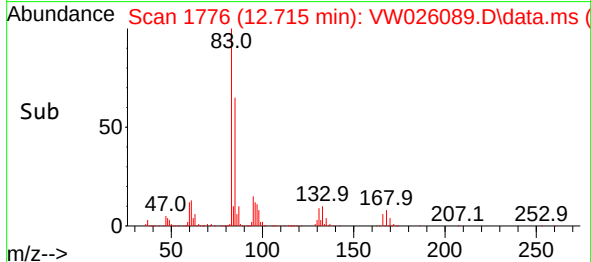
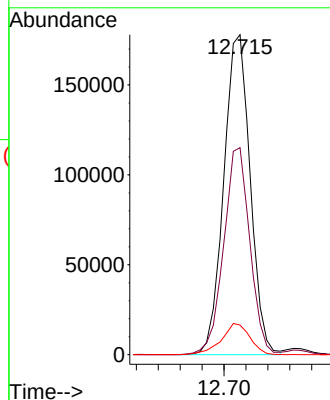
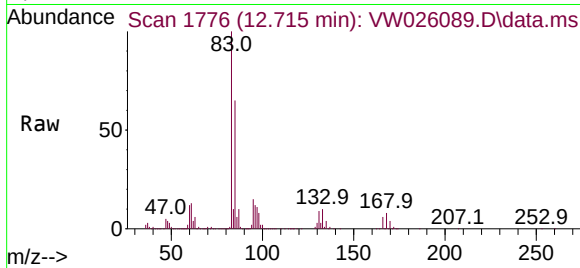
Tgt Ion: 83 Resp: 297670

Ion Ratio Lower Upper

83 100

85 64.7 42.6 79.0

131 9.2 7.2 10.8



#59

Bromoform

Concen: 19.512 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

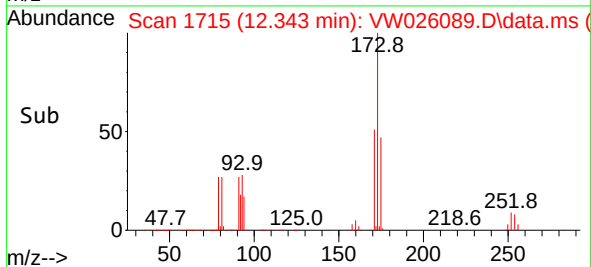
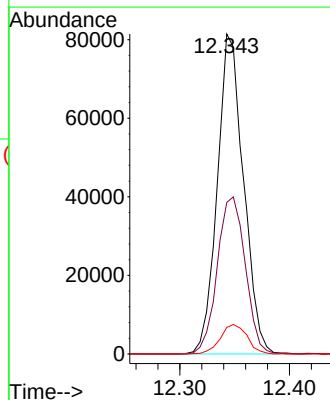
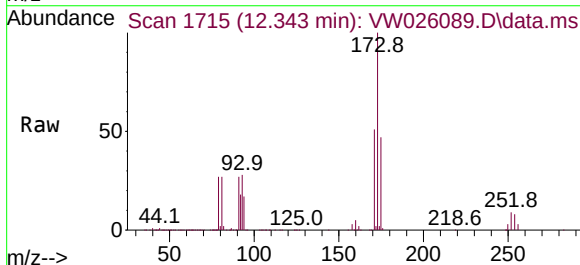
Tgt Ion: 173 Resp: 135379

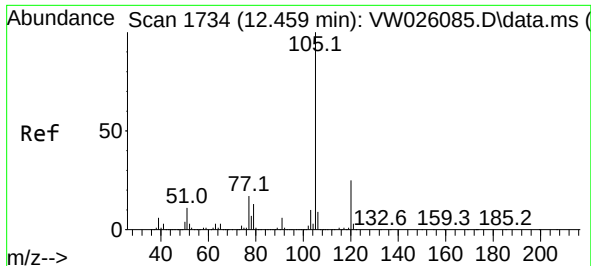
Ion Ratio Lower Upper

173 100

175 52.4 38.6 57.8

254 9.4 7.4 11.0

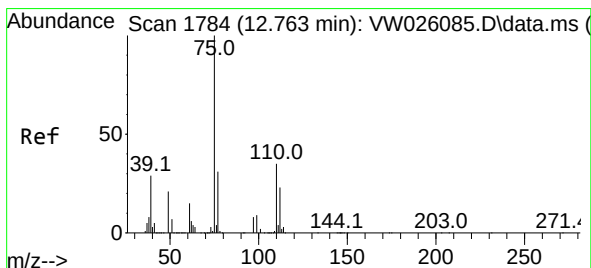
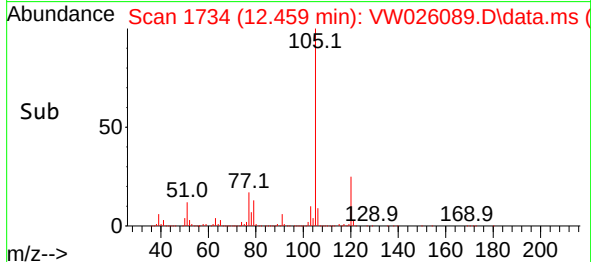
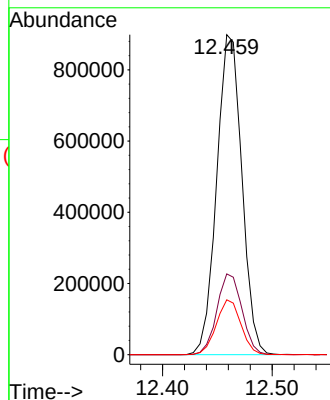
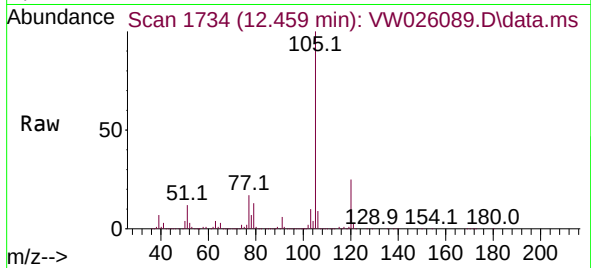




#60
Isopropylbenzene
Concen: 19.742 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

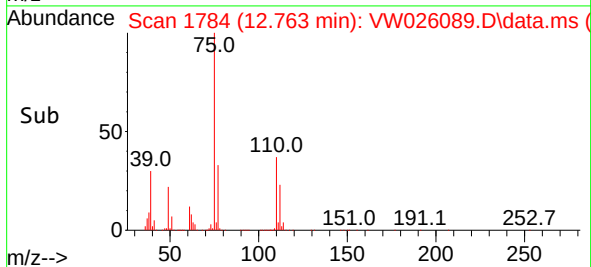
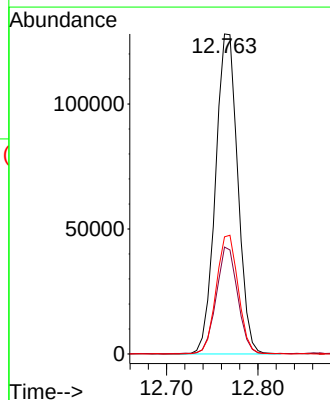
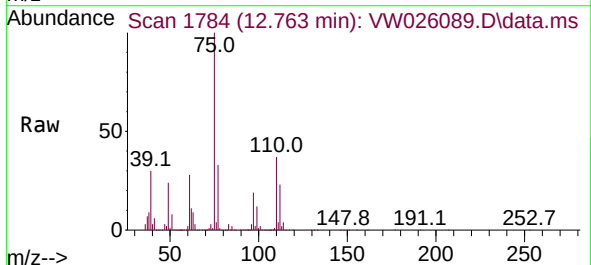
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

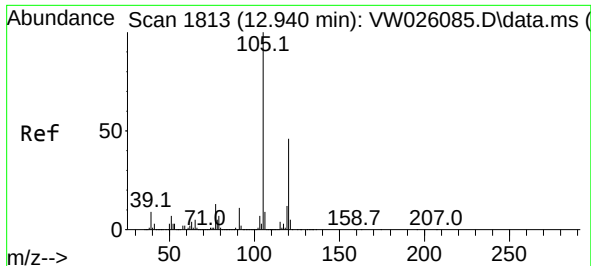
Tgt Ion:105 Resp: 1432654
Ion Ratio Lower Upper
105 100
120 25.2 19.8 29.8
77 16.8 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 20.975 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion: 75 Resp: 217031
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
110 36.7 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 20.060 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

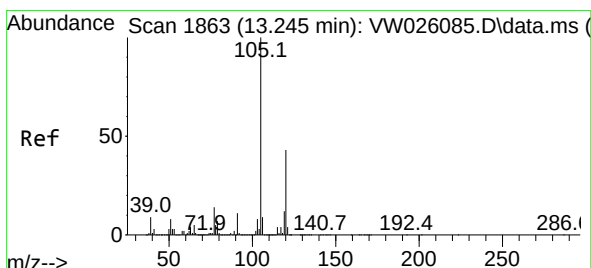
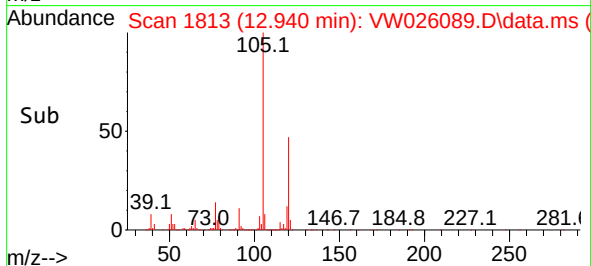
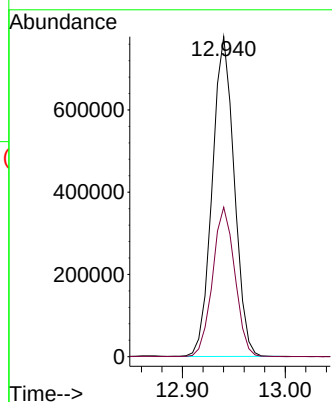
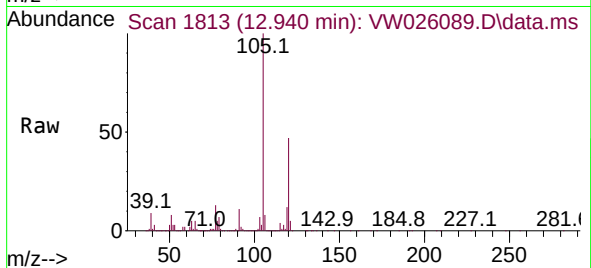
H0FN8MSD

Tgt Ion:105 Resp: 1157213

Ion Ratio Lower Upper

105 100

120 47.2 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 20.115 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026089.D

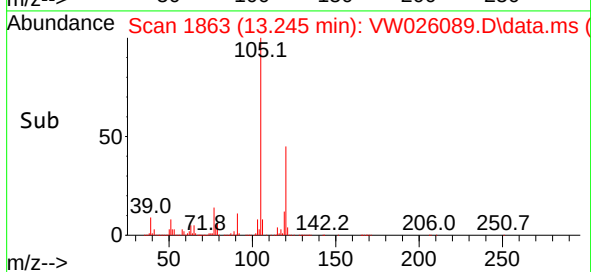
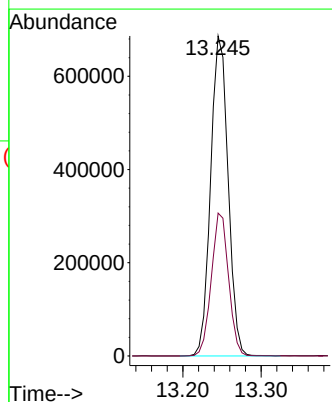
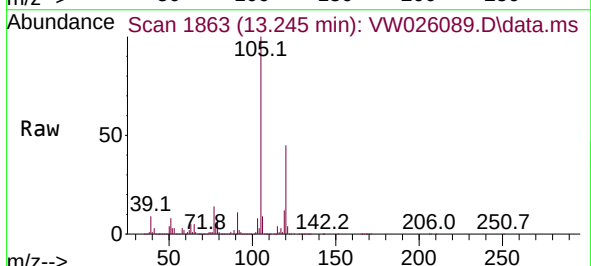
Acq: 30 May 2023 15:17

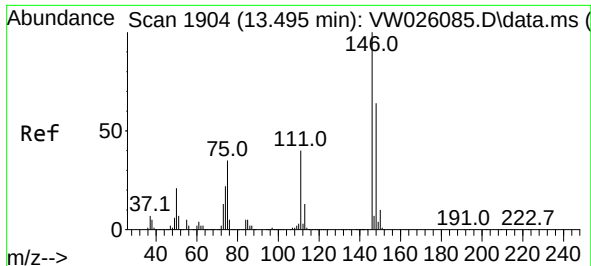
Tgt Ion:105 Resp: 1062779

Ion Ratio Lower Upper

105 100

120 44.0 36.2 54.2

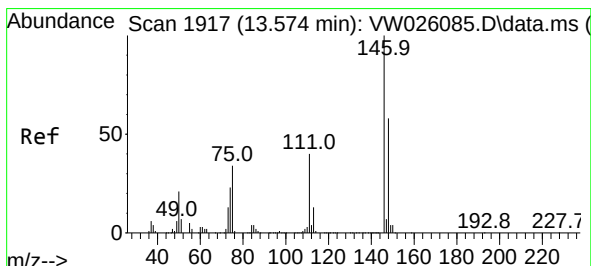
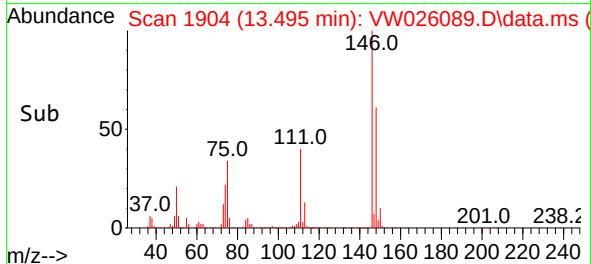
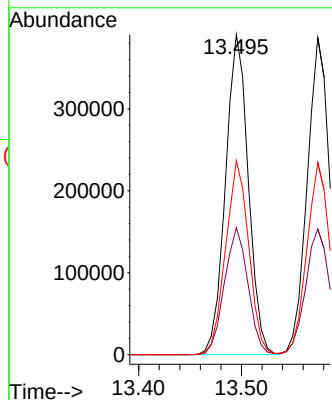
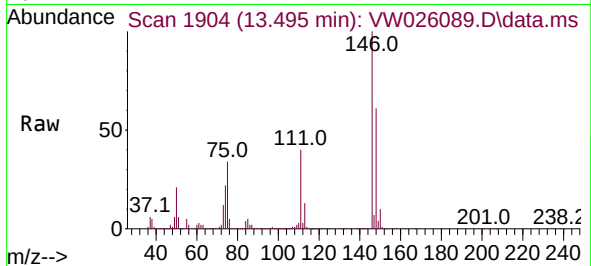




#64
1,3-Dichlorobenzene
Concen: 19.725 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

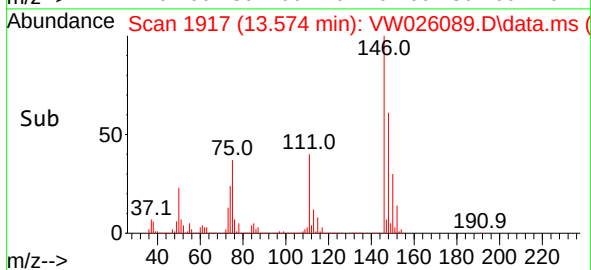
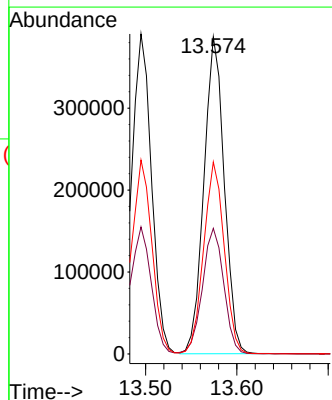
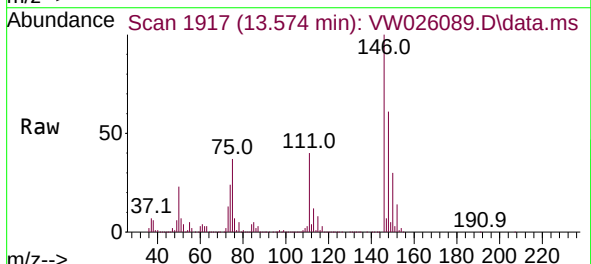
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MSD

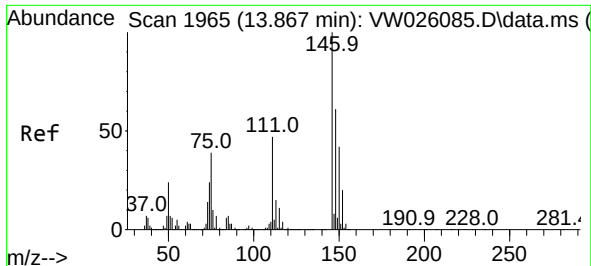
Tgt Ion:146 Resp: 601854
Ion Ratio Lower Upper
146 100
111 39.7 29.7 55.1
148 60.6 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 19.469 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026089.D
Acq: 30 May 2023 15:17

Tgt Ion:146 Resp: 598052
Ion Ratio Lower Upper
146 100
111 39.6 29.2 54.2
148 60.5 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 18.855 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MSD

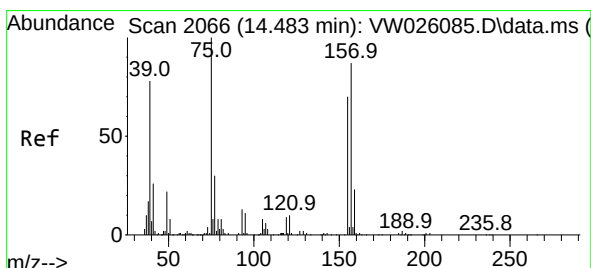
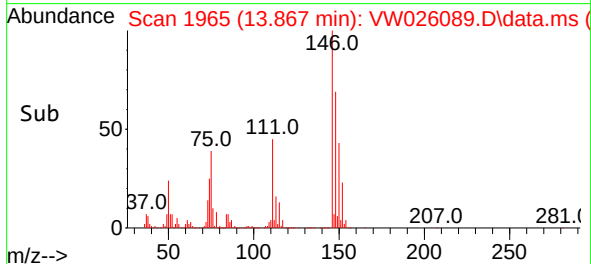
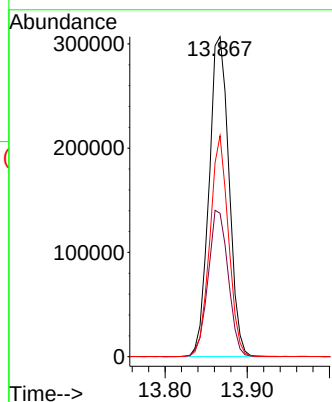
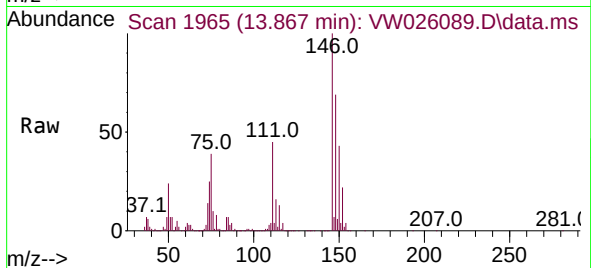
Tgt Ion:146 Resp: 516618

Ion Ratio Lower Upper

146 100

111 44.8 35.4 53.0

148 69.1 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 19.714 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

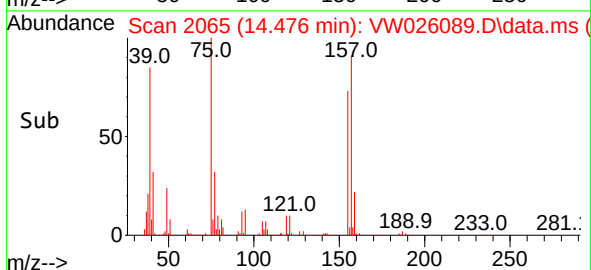
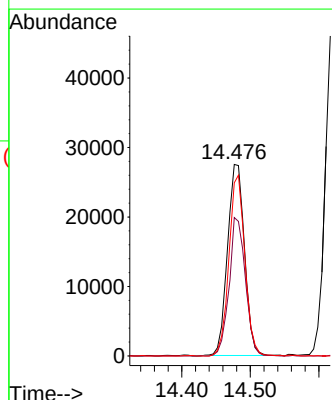
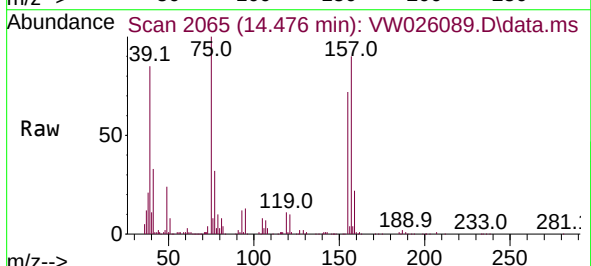
Tgt Ion: 75 Resp: 47260

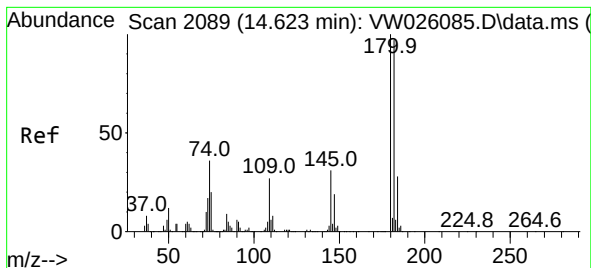
Ion Ratio Lower Upper

75 100

155 72.2 59.0 88.6

157 90.4 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 17.224 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MSD

Tgt Ion:180 Resp: 360996

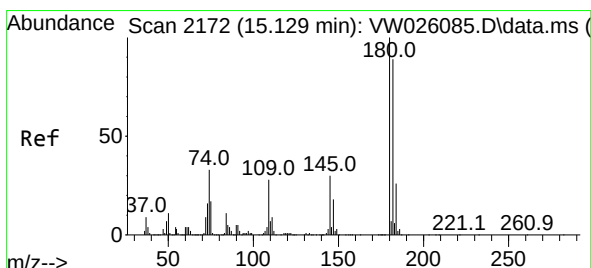
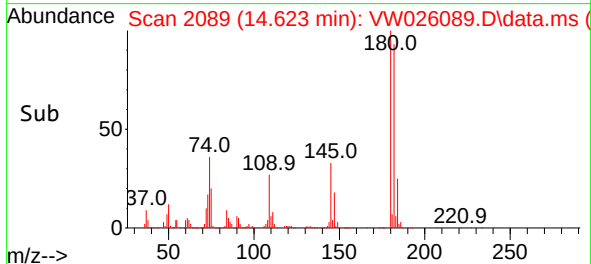
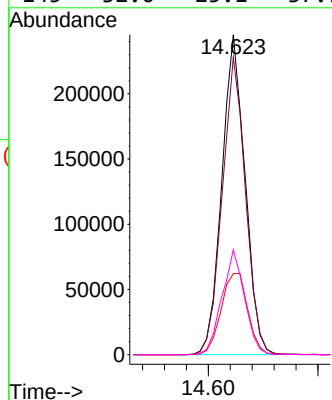
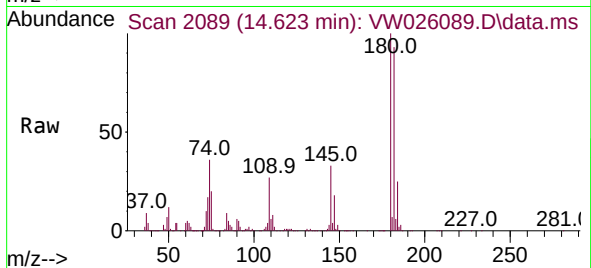
Ion Ratio Lower Upper

180 100

182 93.3 77.0 115.4

184 29.2 23.7 35.5

145 32.0 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 17.610 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

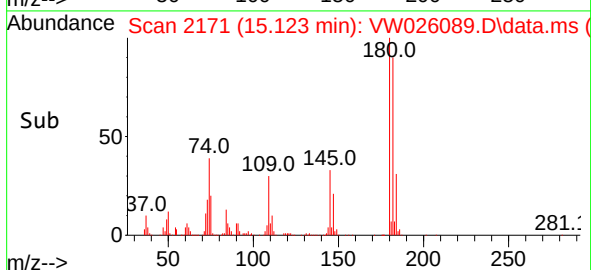
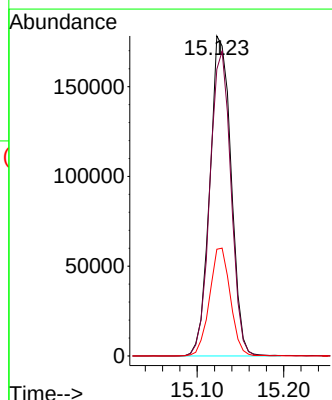
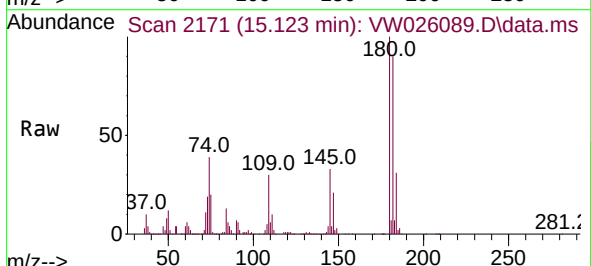
Tgt Ion:180 Resp: 304554

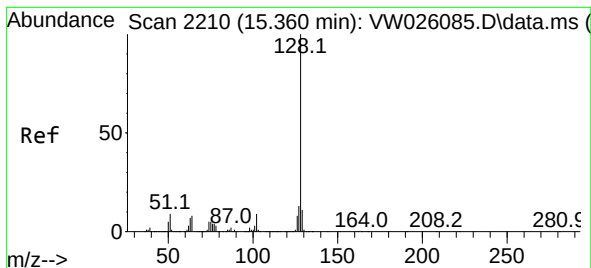
Ion Ratio Lower Upper

180 100

182 93.8 78.9 118.3

145 33.0 27.2 40.8





#71

Naphthalene

Concen: 21.143 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MSD

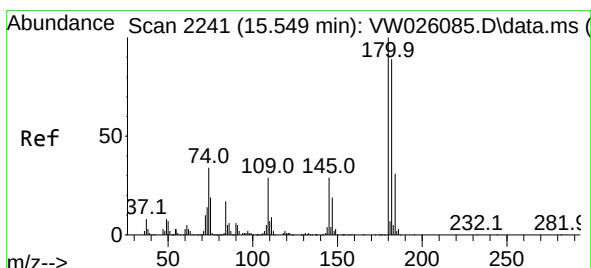
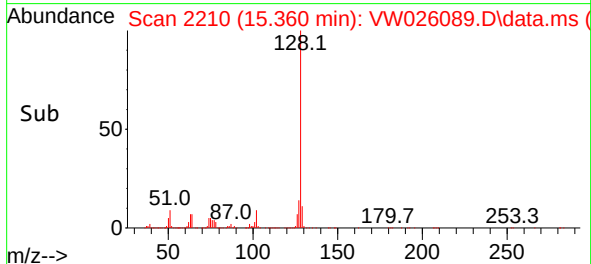
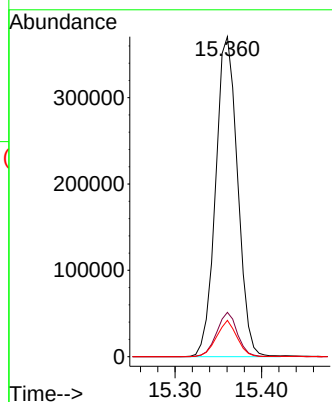
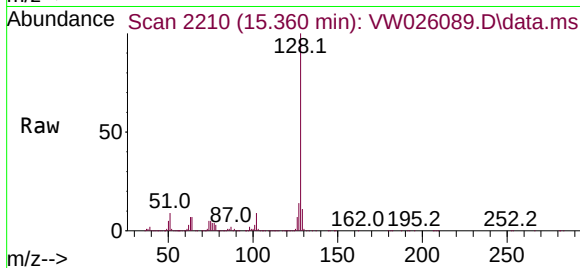
Tgt Ion:128 Resp: 651708

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.6 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 17.655 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026089.D

Acq: 30 May 2023 15:17

Tgt Ion:180 Resp: 266853

Ion Ratio Lower Upper

180 100

182 94.5 76.3 114.5

145 34.3 27.0 40.6

