

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026088.D
 Acq On : 30 May 2023 14:53
 Operator : SY/MD
 Sample : 02960-05MS
 Misc : 6.15g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 H0FN8MS

Quant Time: May 31 02:10:06 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	1110442	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	971512	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	463460	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	363736	23.284	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.120%
7) Chloroethane-d5	2.893	69	292516	25.014	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.040%
11) 1,1-Dichloroethene-d2	4.027	65	175087	22.730	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.920%
21) 2-Butanone-d5	7.075	46	254273	55.909	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.820%
24) Chloroform-d	7.648	84	735124	22.607	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.440%
26) 1,2-Dichloroethane-d4	8.301	65	413115	23.233	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.920%
32) Benzene-d6	8.270	84	1499169	22.933	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.720%
36) 1,2-Dichloropropane-d6	9.270	67	481403	23.245	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	10.318	98	1308181	22.565	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.240%
43) trans-1,3-Dichloroprop...	10.575	79	191051	23.279	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.120%
47) 2-Hexanone-d5	10.922	63	180116	55.156	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.320%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	384199	25.493	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.960%
66) 1,2-Dichlorobenzene-d4	13.848	152	400689	22.588	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	263697	19.372	ug/L	97
3) Chloromethane	2.228	50	361924	20.735	ug/L	99
5) Vinyl chloride	2.375	62	375171	20.109	ug/L	99
6) Bromomethane	2.783	94	206047	20.258	ug/L	100
8) Chloroethane	2.930	64	218418	21.664	ug/L	98
9) Trichlorofluoromethane	3.265	101	219406	18.279	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	295179	19.489	ug/L	97
12) 1,1-Dichloroethene	4.045	96	279760	19.787	ug/L	95
13) Acetone	4.118	43	207150	58.864	ug/L	97
14) Carbon disulfide	4.393	76	967135	19.378	ug/L	100
15) Methyl Acetate	4.667	43	179981	22.788	ug/L	100
16) Methylene chloride	4.917	84	336913	19.009	ug/L	100
17) trans-1,2-Dichloroethene	5.423	96	307136	19.362	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	523391	20.935	ug/L	100
19) 1,1-Dichloroethane	6.216	63	625009	19.354	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	332689	19.800	ug/L	98
22) 2-Butanone	7.167	43	284764	56.726	ug/L	97
23) Bromochloromethane	7.514	128	140168	19.560	ug/L	93
25) Chloroform	7.673	83	579089	19.252	ug/L	97

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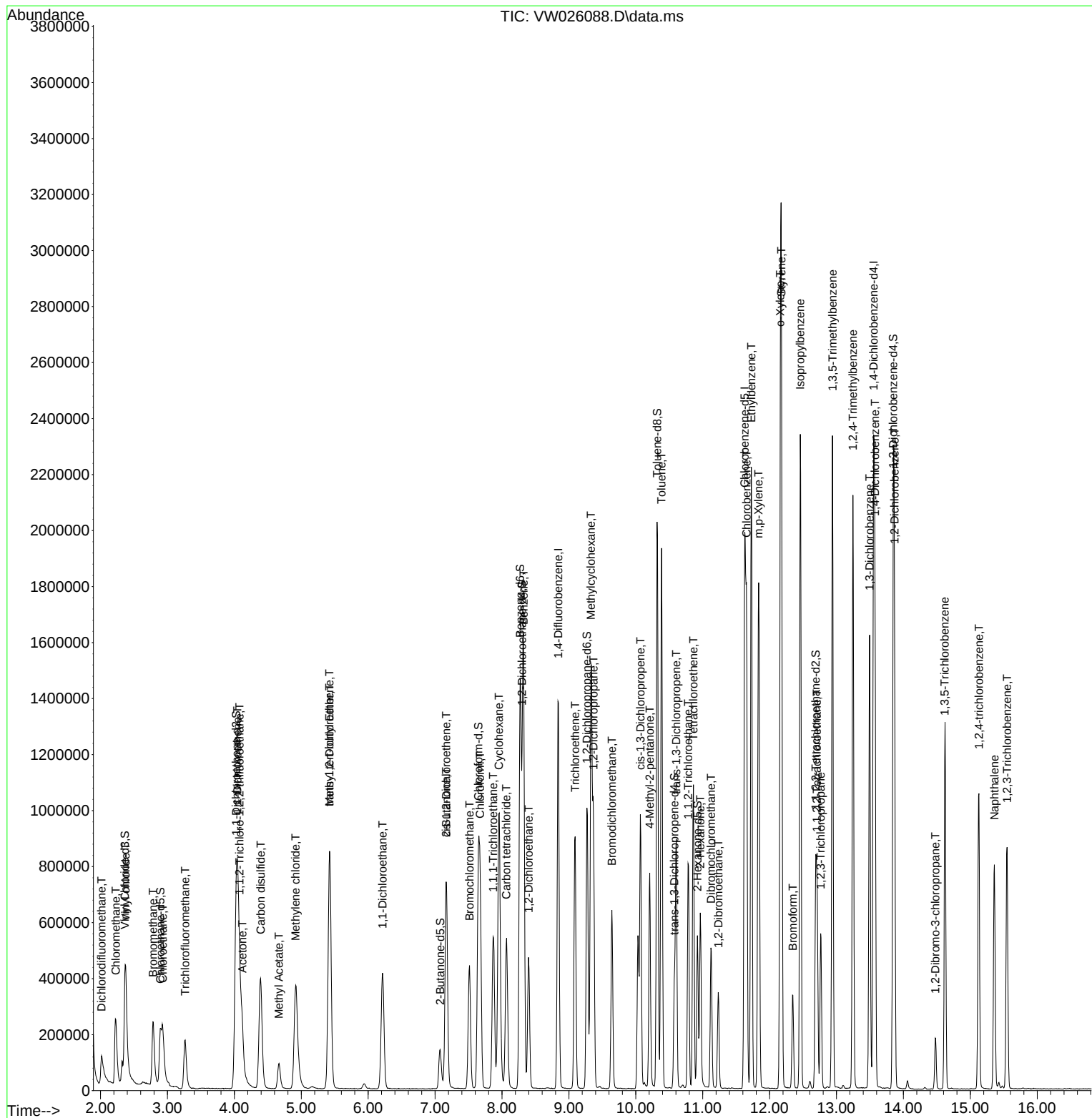
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	425993	20.535	ug/L	98
29) Cyclohexane	7.953	56	605852	20.199	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	450517	19.109	ug/L	99
31) Carbon tetrachloride	8.063	117	407190	18.927	ug/L	98
33) Benzene	8.325	78	1317864	19.802	ug/L	100
34) Trichloroethene	9.093	95	323189	18.965	ug/L	97
35) Methylcyclohexane	9.331	83	589226	19.540	ug/L	100
37) 1,2-Dichloropropane	9.367	63	357111	19.811	ug/L	100
38) Bromodichloromethane	9.642	83	416764	19.901	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	559832	21.134	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	533960	50.243	ug/L	100
42) Toluene	10.386	91	1343727	19.740	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	467602	21.189	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	244933	20.617	ug/L	97
46) Tetrachloroethene	10.861	164	235012	19.497	ug/L	96
48) 2-Hexanone	10.965	43	413658	55.203	ug/L	98
49) Dibromochloromethane	11.123	129	261107	20.963	ug/L	93
50) 1,2-Dibromoethane	11.233	107	233074	21.188	ug/L	100
51) Chlorobenzene	11.654	112	822834	19.290	ug/L	97
52) Ethylbenzene	11.727	91	1524689	19.856	ug/L	100
53) m,p-Xylene	11.837	106	564118	19.748	ug/L	96
54) o-Xylene	12.160	106	543051	20.142	ug/L	99
55) Styrene	12.178	104	922604	19.946	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	314060	21.844	ug/L	97
59) Bromoform	12.349	173	150825	21.667	ug/L	99
60) Isopropylbenzene	12.458	105	1474856	20.257	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	231376	22.288	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	1167253	20.168	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	1080546	20.384	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	589274	19.250	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	592554	19.226	ug/L	89
67) 1,2-Dichlorobenzene	13.867	146	531771	19.345	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	49674	20.653	ug/L	97
69) 1,3,5-Trichlorobenzene	14.617	180	366077	17.409	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	328635	18.940	ug/L	93
71) Naphthalene	15.360	128	661465	21.389	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	270188	17.817	ug/L	97

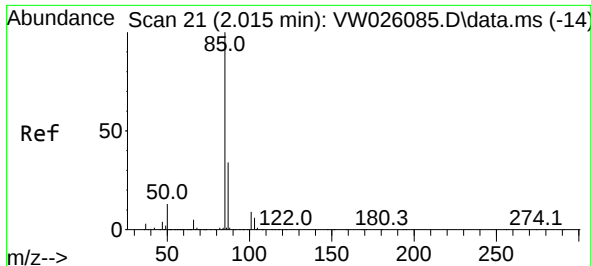
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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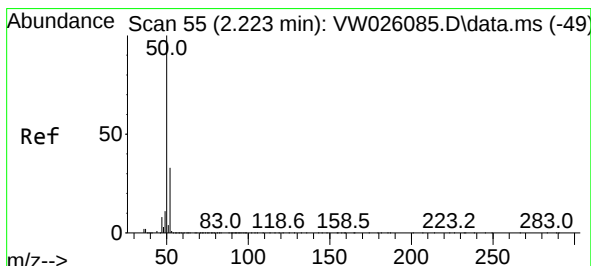
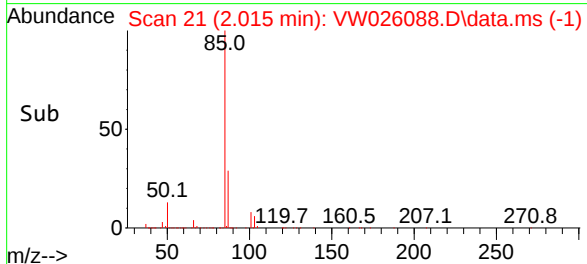
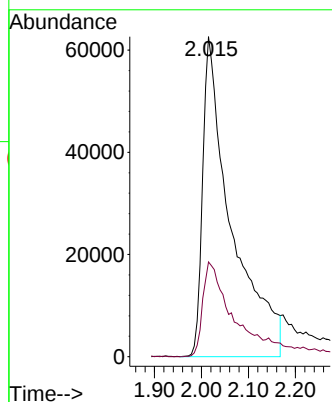
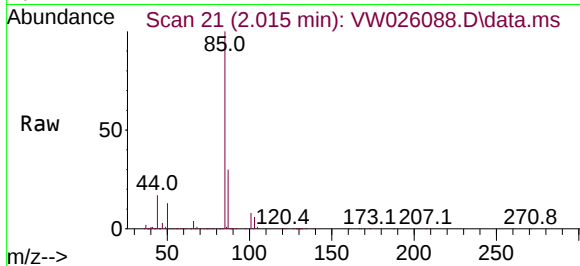




#2
Dichlorodifluoromethane
Concen: 19.372 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

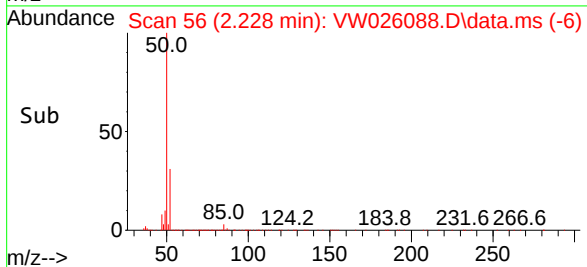
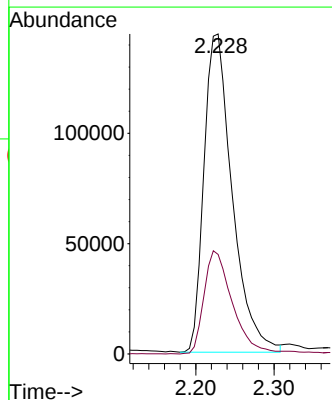
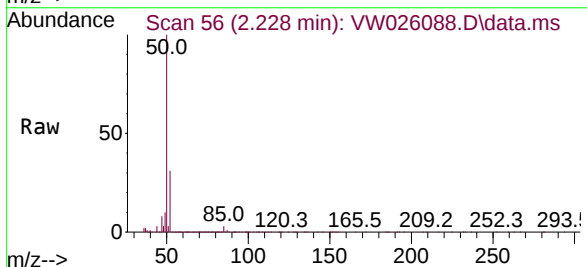
Instrument :
MSVOA_W
ClientSampleId :
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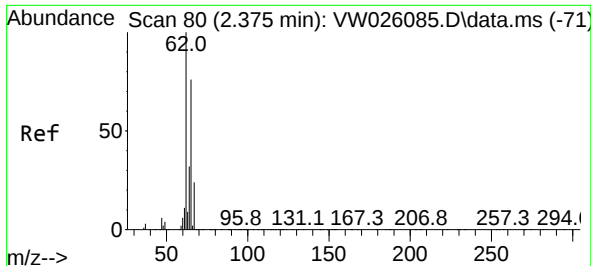
Tgt Ion: 85 Resp: 263697
Ion Ratio Lower Upper
85 100
87 29.2 22.2 33.2



#3
Chloromethane
Concen: 20.735 ug/L
RT: 2.228 min Scan# 56
Delta R.T. 0.006 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 50 Resp: 361924
Ion Ratio Lower Upper
50 100
52 31.1 21.3 39.6

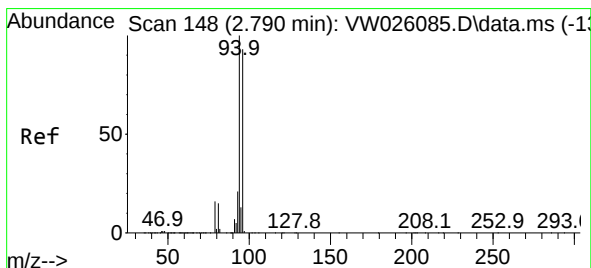
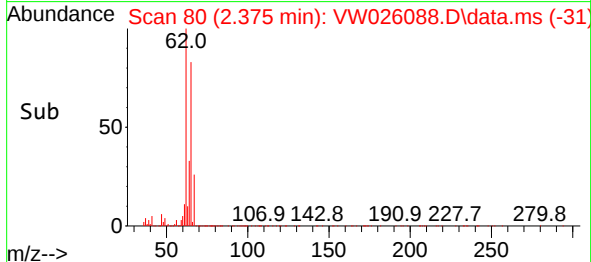
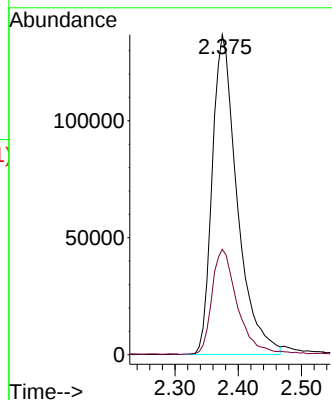
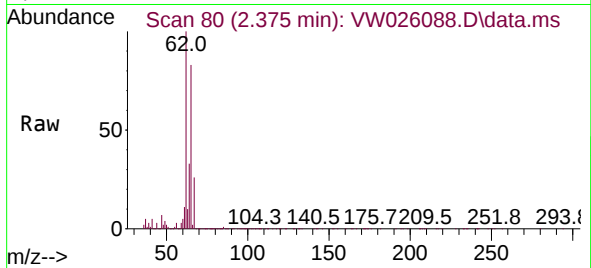




#5
 Vinyl chloride
 Concen: 20.109 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026088.D
 Acq: 30 May 2023 14:53

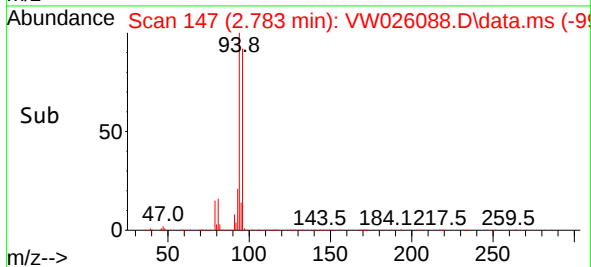
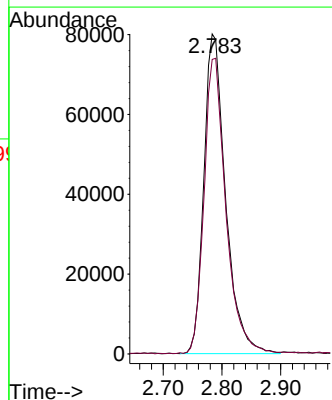
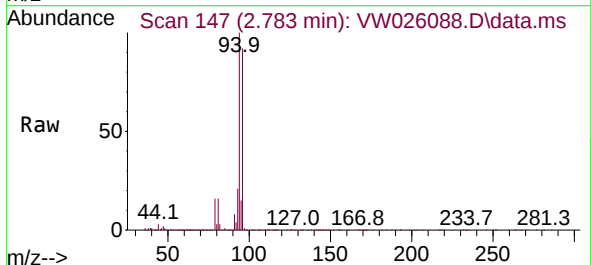
Instrument :
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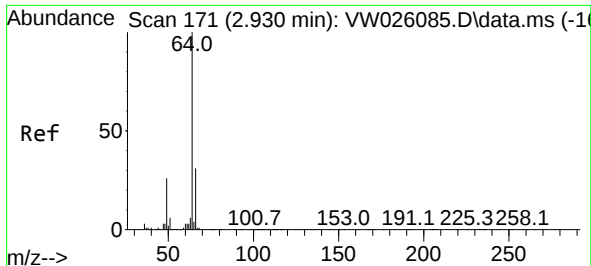
Tgt Ion: 62 Resp: 375171
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.7 42.1



#6
 Bromomethane
 Concen: 20.258 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026088.D
 Acq: 30 May 2023 14:53

Tgt Ion: 94 Resp: 206047
 Ion Ratio Lower Upper
 94 100
 96 92.1 64.2 119.2

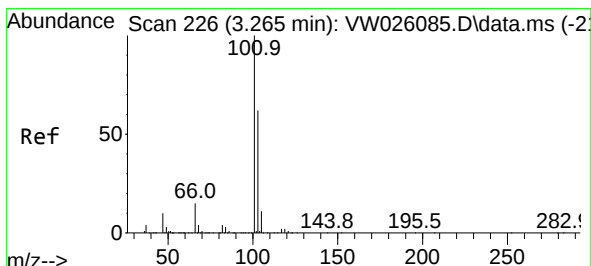
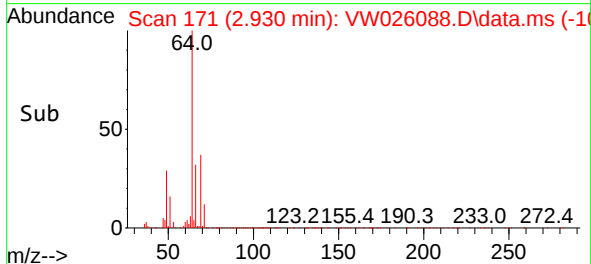
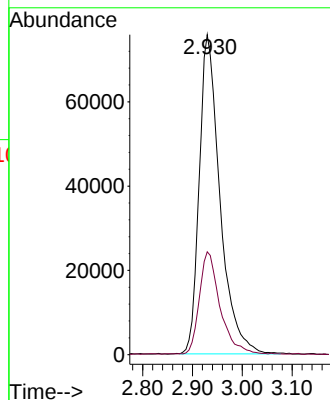
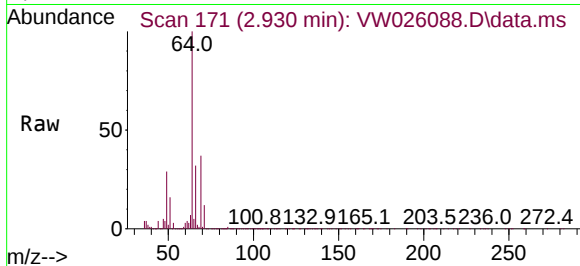




#8
Chloroethane
Concen: 21.664 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW026088.D
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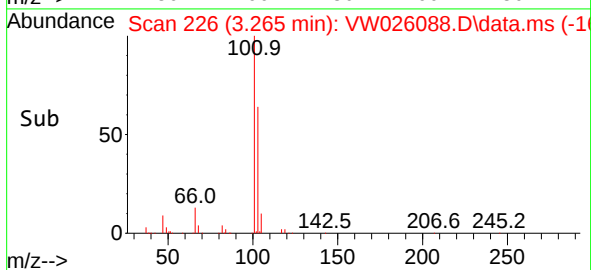
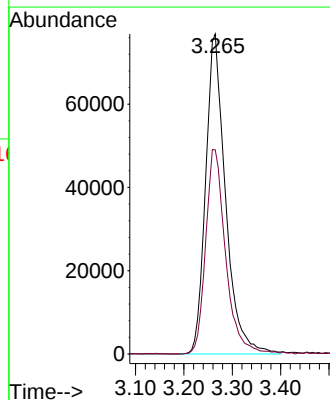
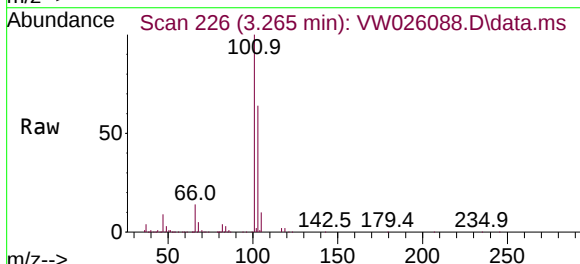
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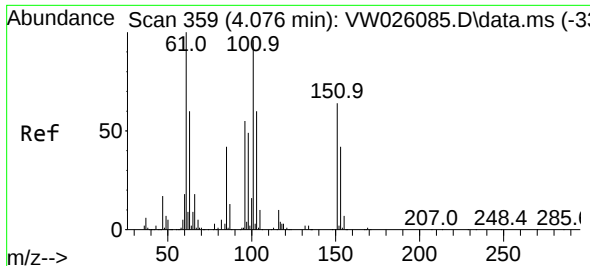
Tgt Ion: 64 Resp: 218418
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 18.279 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 101 Resp: 219406
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4

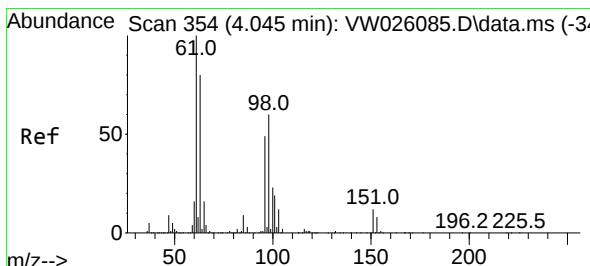
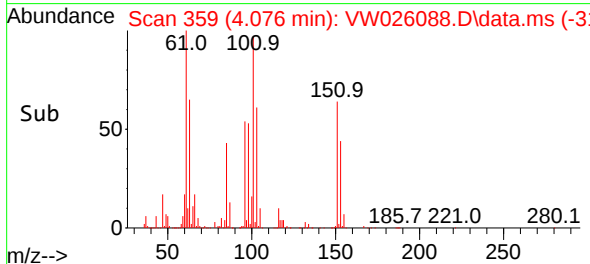
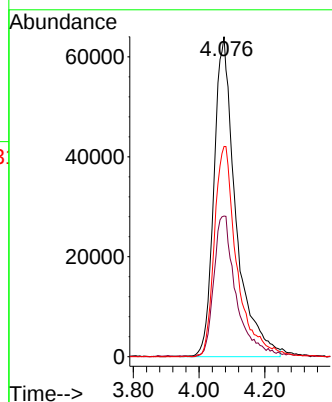
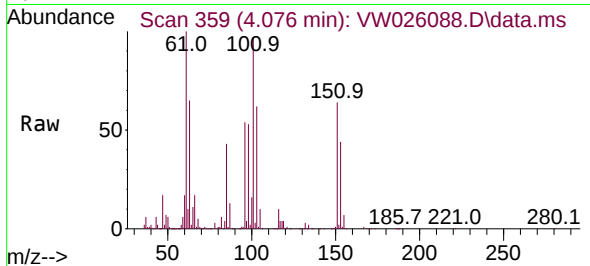




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.489 ug/L
 RT: 4.076 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW026088.D
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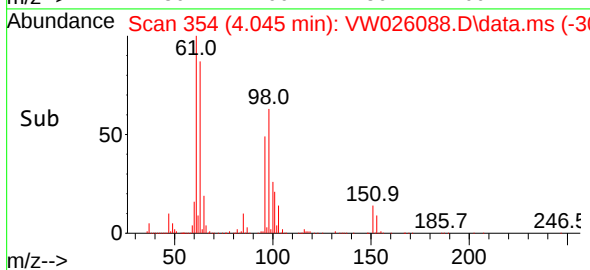
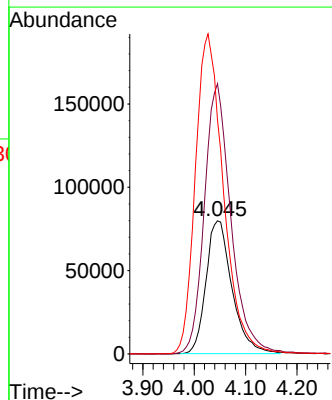
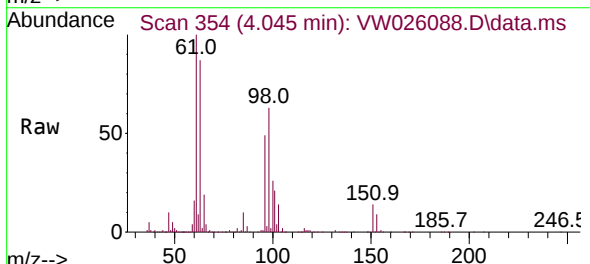
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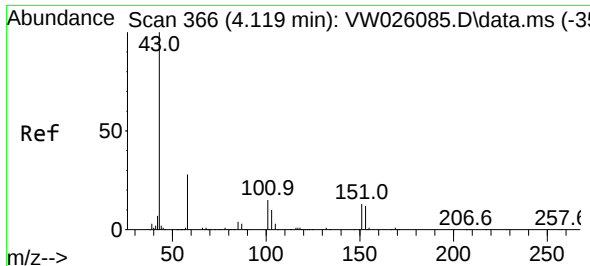
Tgt Ion:101 Resp: 295179
 Ion Ratio Lower Upper
 101 100
 85 43.9 36.1 54.1
 151 66.4 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 19.787 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026088.D
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Tgt Ion: 96 Resp: 279760
 Ion Ratio Lower Upper
 96 100
 61 202.9 140.6 261.0
 63 175.7 131.7 244.5

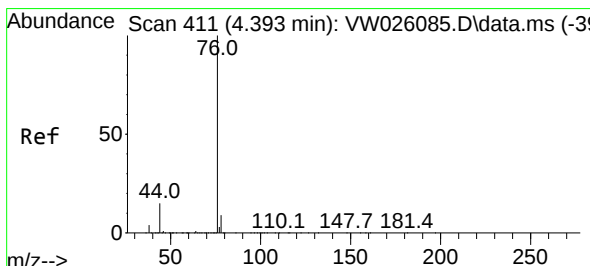
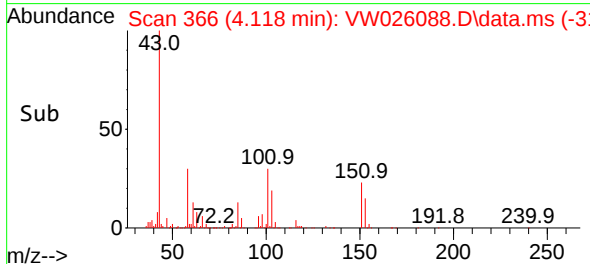
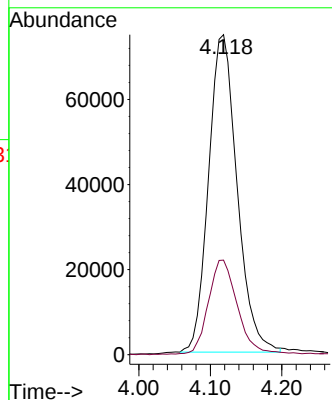
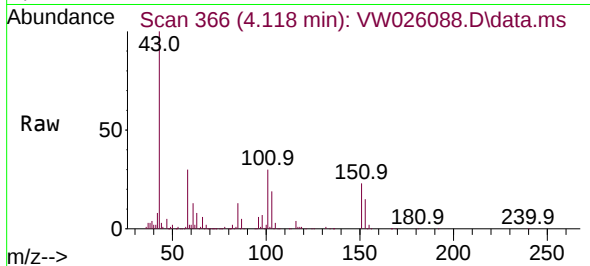




#13
Acetone
Concen: 58.864 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
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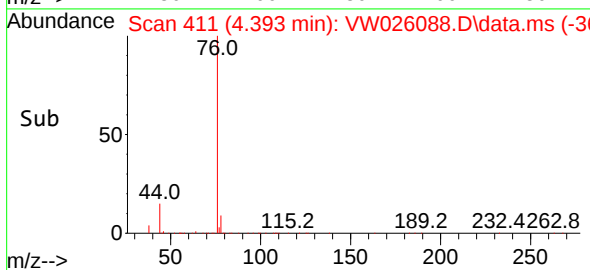
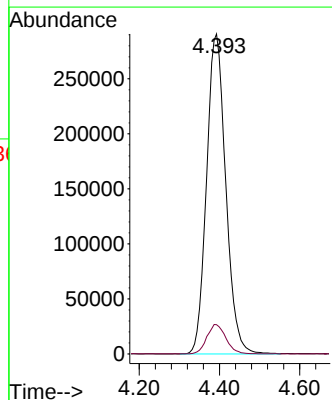
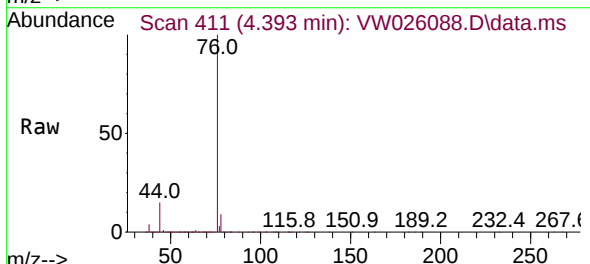
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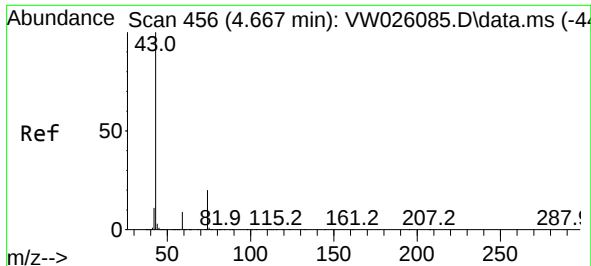
Tgt Ion: 43 Resp: 207150
Ion Ratio Lower Upper
43 100
58 30.6 0.0 58.2



#14
Carbon disulfide
Concen: 19.378 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 967135
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

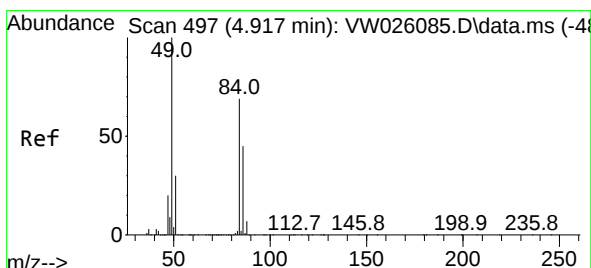
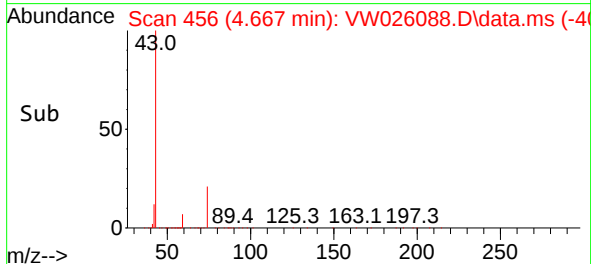
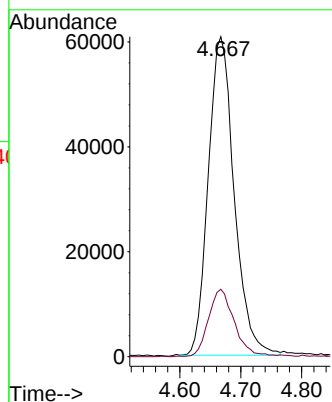
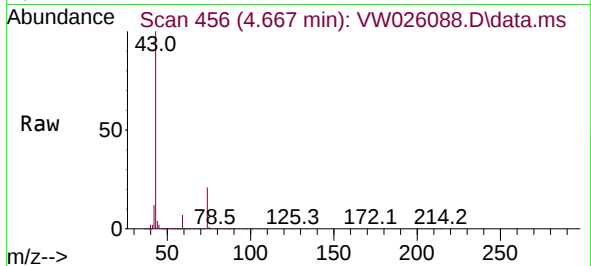




#15
Methyl Acetate
Concen: 22.788 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

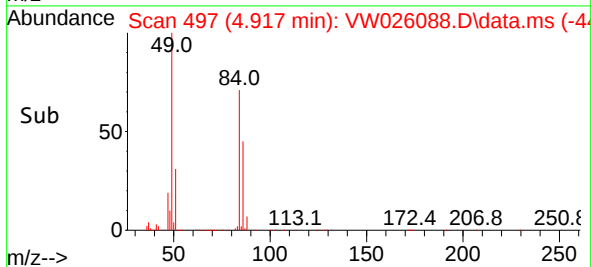
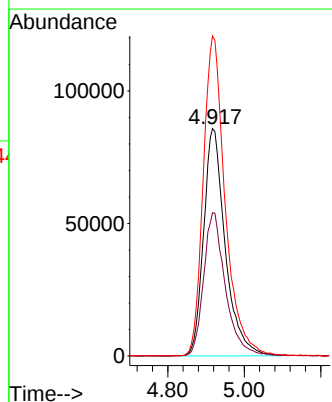
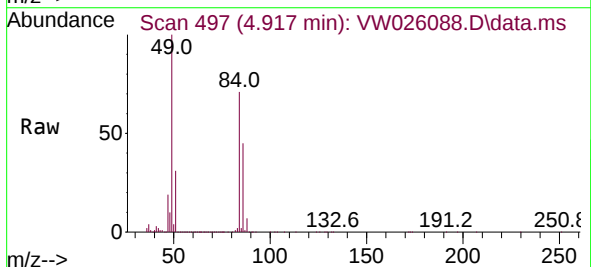
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

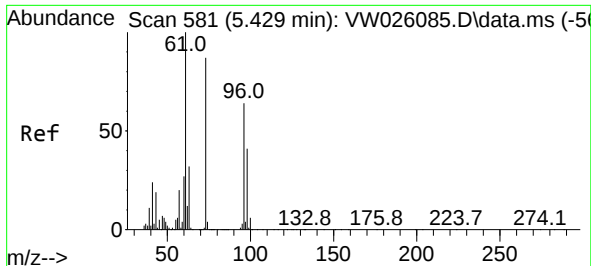
Tgt Ion: 43 Resp: 179981
Ion Ratio Lower Upper
43 100
74 20.8 16.6 25.0



#16
Methylene chloride
Concen: 19.009 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 84 Resp: 336913
Ion Ratio Lower Upper
84 100
86 63.0 44.2 82.0
49 140.7 98.8 183.6

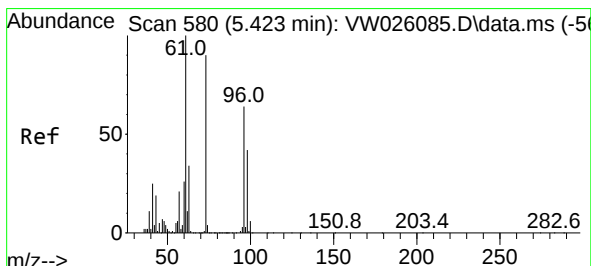
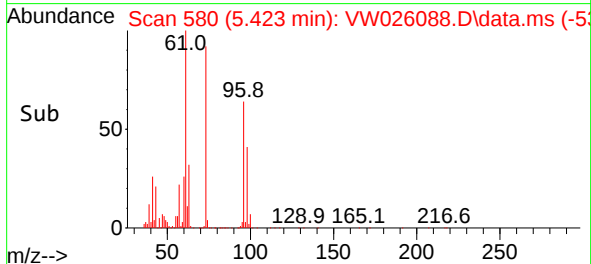
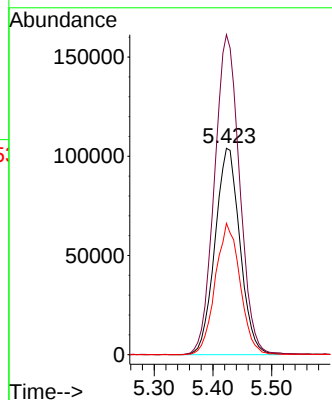
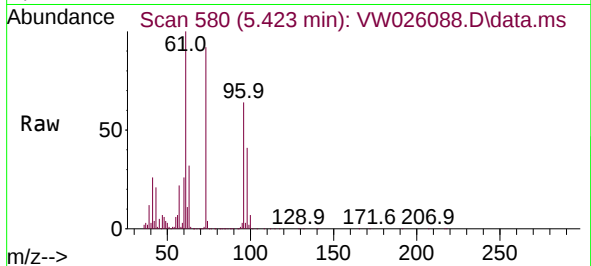




#17
trans-1,2-Dichloroethene
Concen: 19.362 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

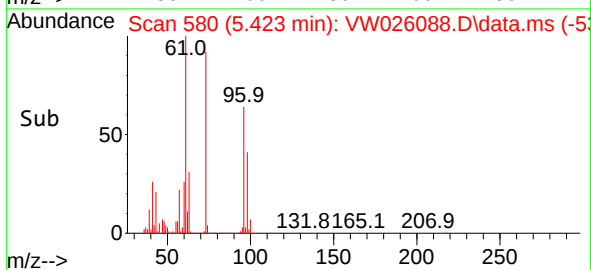
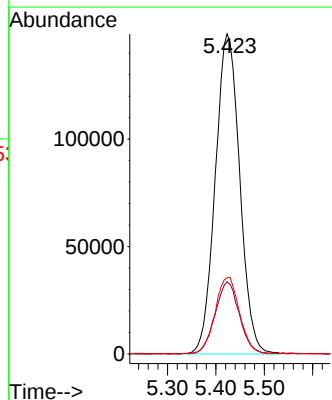
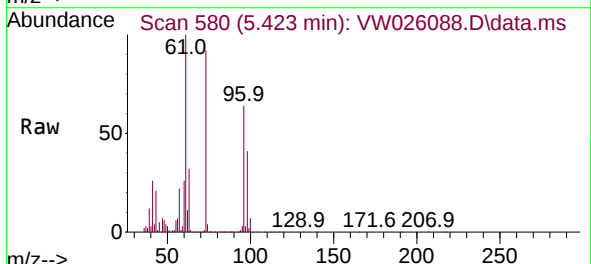
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

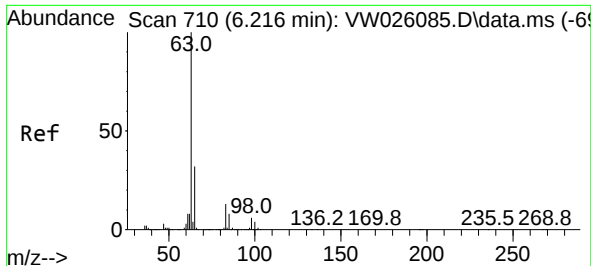
Tgt Ion: 96 Resp: 307136
Ion Ratio Lower Upper
96 100
61 155.1 113.0 209.8
98 63.7 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 20.935 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 73 Resp: 523391
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: 19.354 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MS

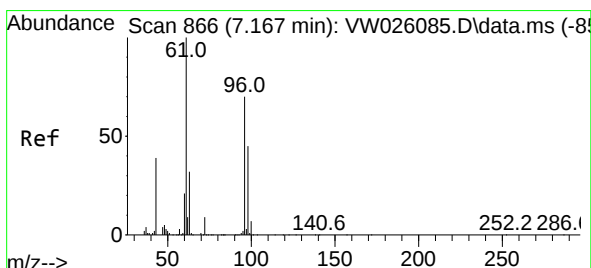
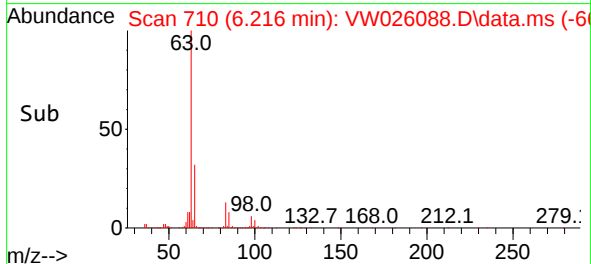
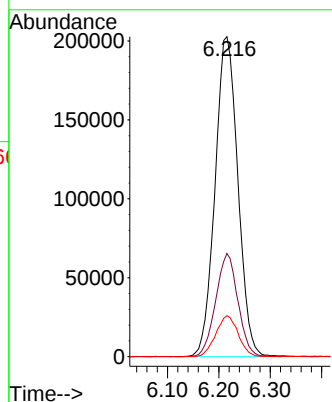
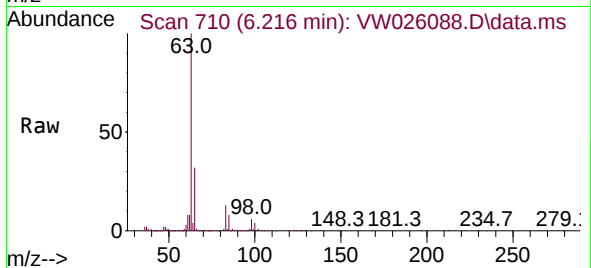
Tgt Ion: 63 Resp: 625009

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.5

83 12.8 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 19.800 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

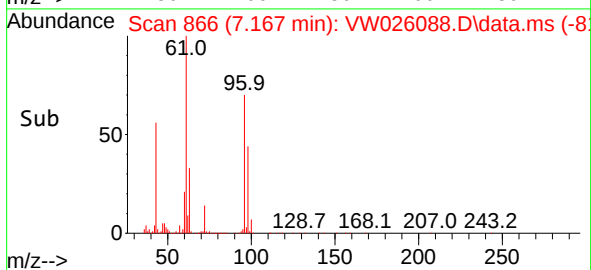
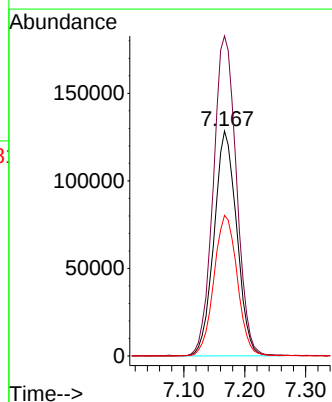
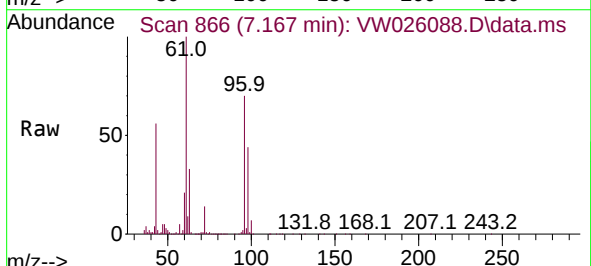
Tgt Ion: 96 Resp: 332689

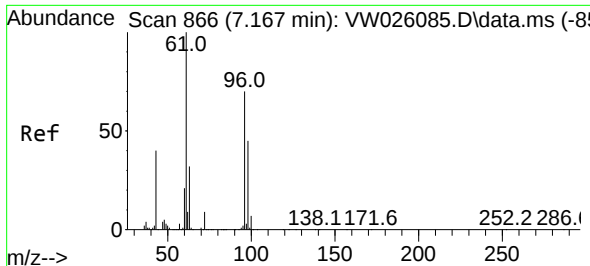
Ion Ratio Lower Upper

96 100

61 142.2 98.4 182.8

98 62.5 45.2 84.0

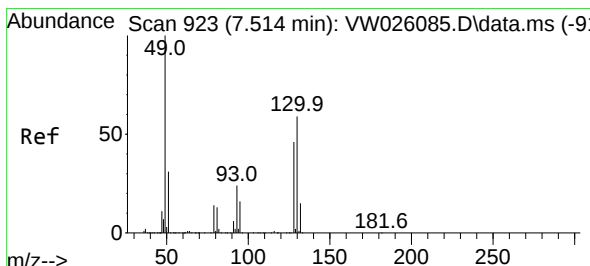
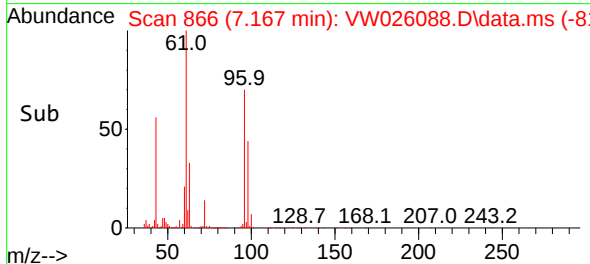
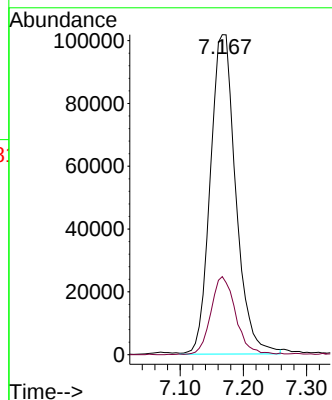
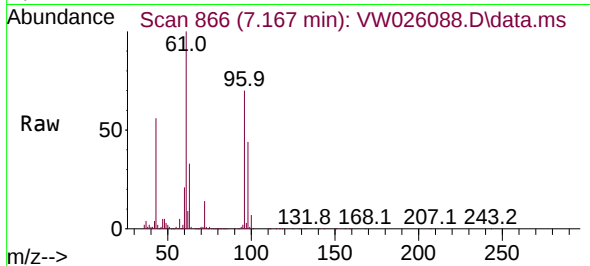




#22
2-Butanone
Concen: 56.726 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

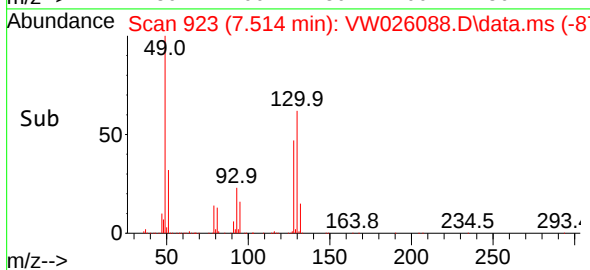
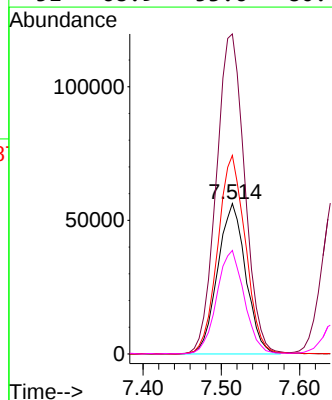
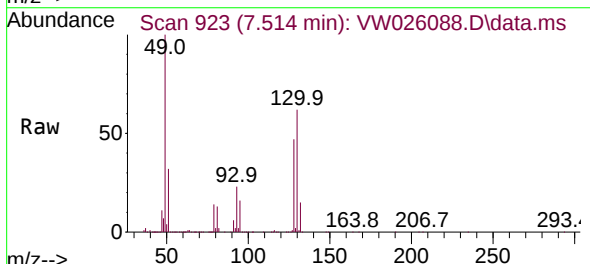
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

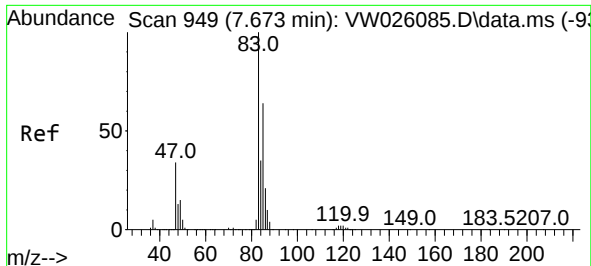
Tgt Ion: 43 Resp: 284764
Ion Ratio Lower Upper
43 100
72 23.4 12.4 37.4



#23
Bromochloromethane
Concen: 19.560 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 128 Resp: 140168
Ion Ratio Lower Upper
128 100
49 212.8 140.6 261.0
130 132.1 86.0 159.6
51 68.9 53.6 80.4

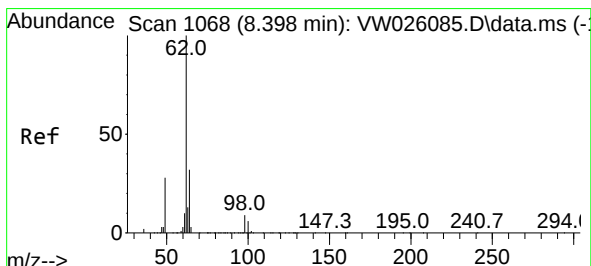
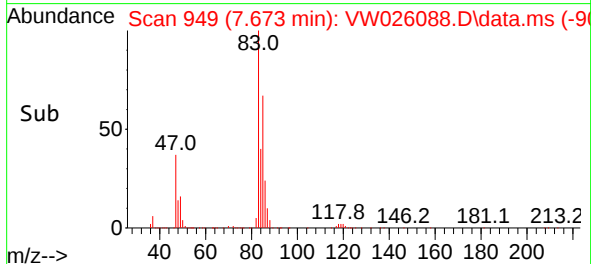
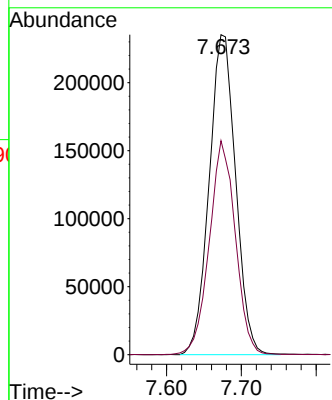
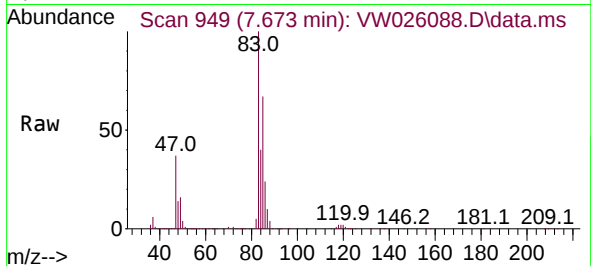




#25
Chloroform
Concen: 19.252 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

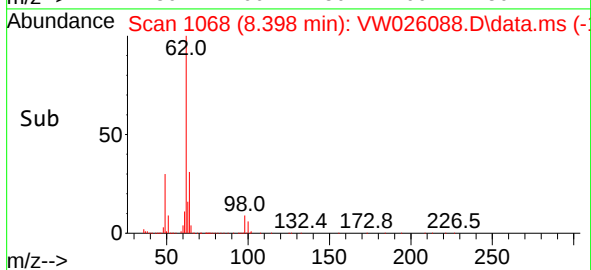
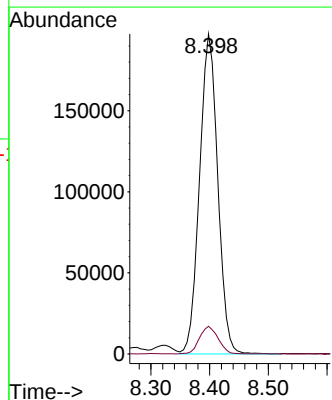
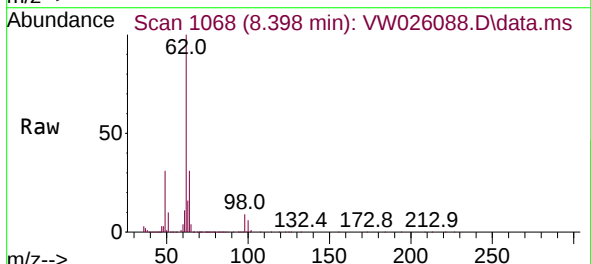
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

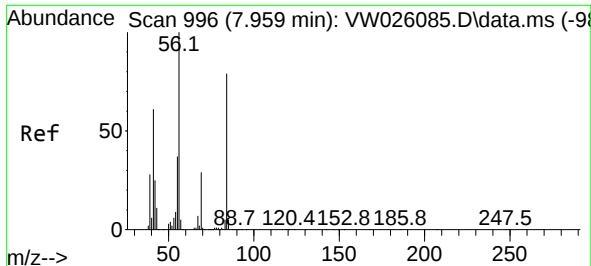
Tgt Ion: 83 Resp: 579089
Ion Ratio Lower Upper
83 100
85 66.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 20.535 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 62 Resp: 425993
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.2





#29

Cyclohexane

Concen: 20.199 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MS

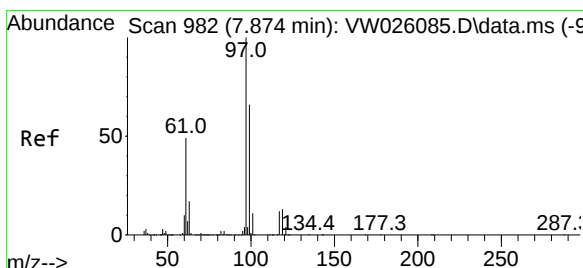
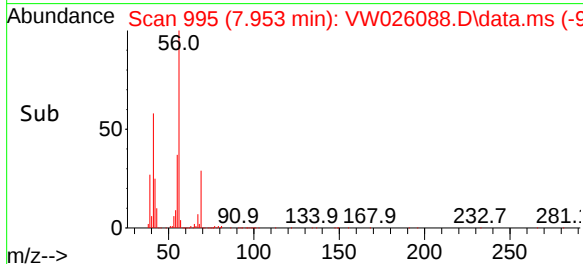
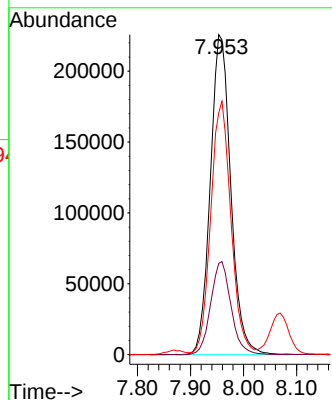
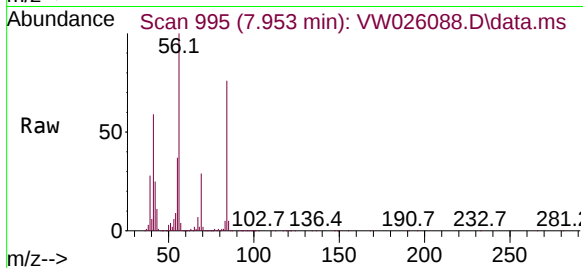
Tgt Ion: 56 Resp: 605852

Ion Ratio Lower Upper

56 100

69 28.9 23.3 34.9

84 78.3 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 19.109 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

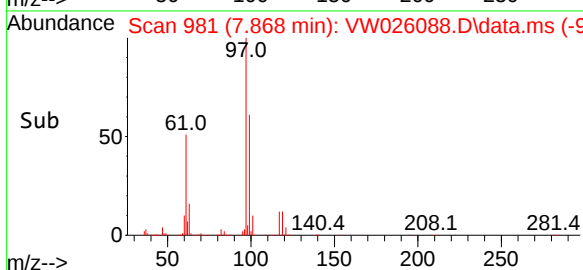
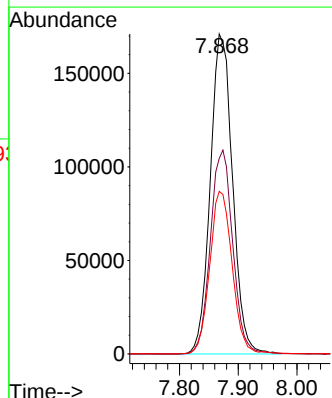
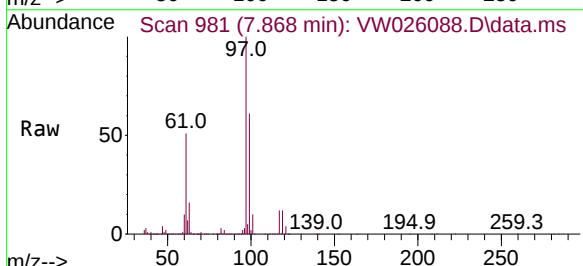
Tgt Ion: 97 Resp: 450517

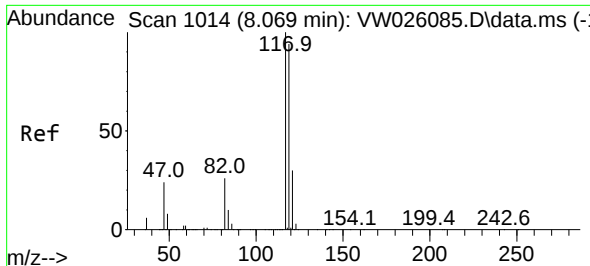
Ion Ratio Lower Upper

97 100

99 64.1 50.6 76.0

61 50.8 40.5 60.7

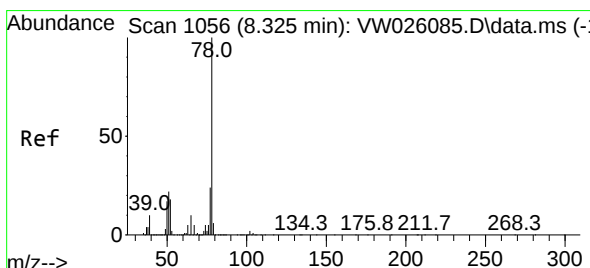
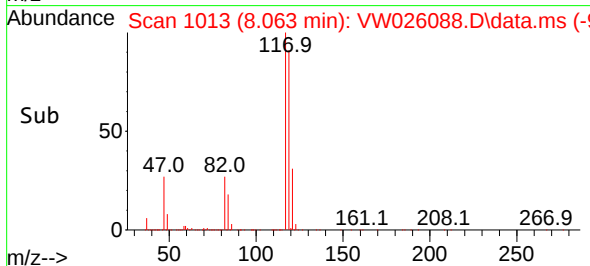
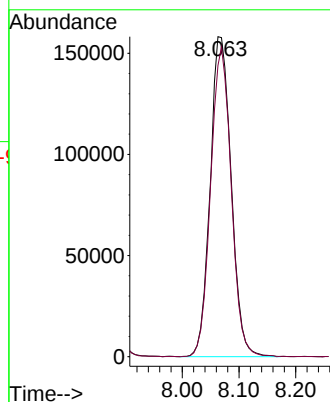
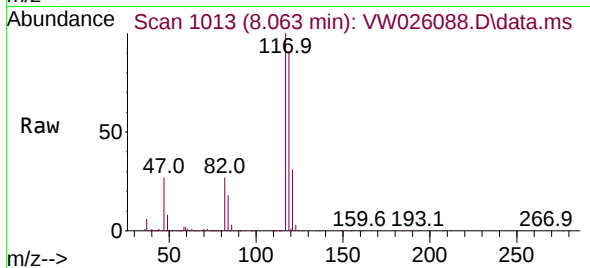




#31
Carbon tetrachloride
Concen: 18.927 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

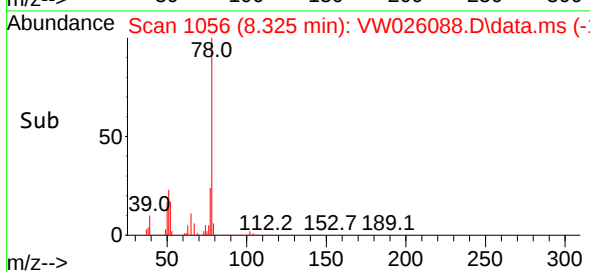
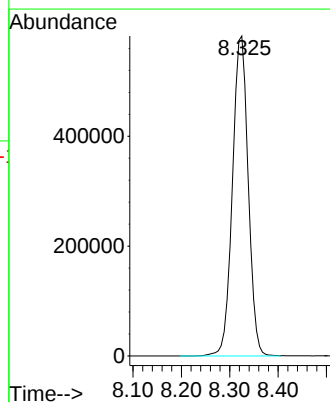
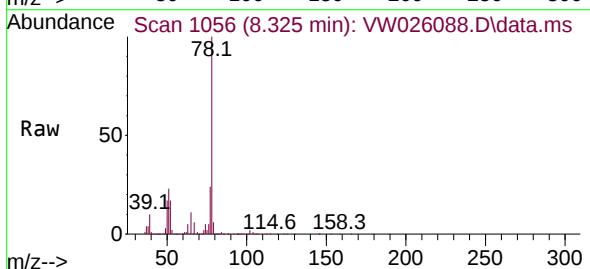
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

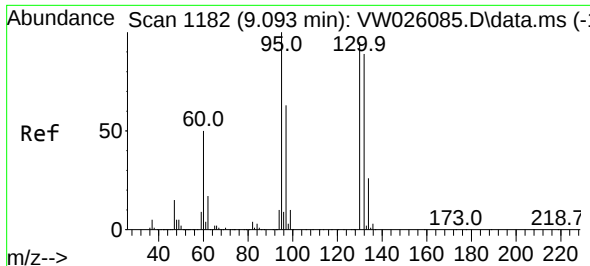
Tgt Ion:117 Resp: 407190
Ion Ratio Lower Upper
117 100
119 94.6 77.4 116.2



#33
Benzene
Concen: 19.802 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 78 Resp: 1317864

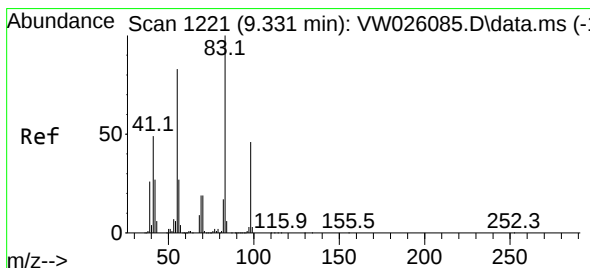
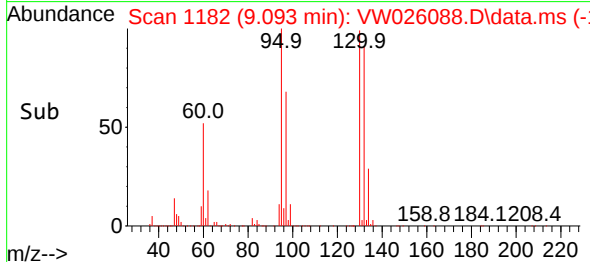
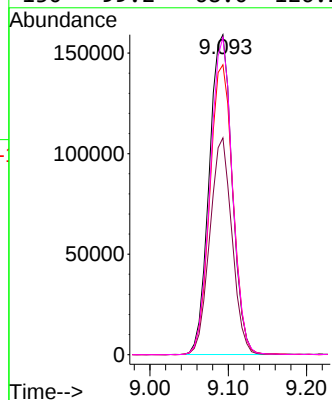
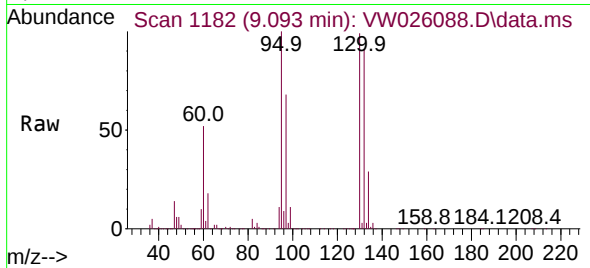




#34
 Trichloroethene
 Concen: 18.965 ug/L
 RT: 9.093 min Scan# 1182
 Delta R.T. -0.000 min
 Lab File: VW026088.D
 Acq: 30 May 2023 14:53

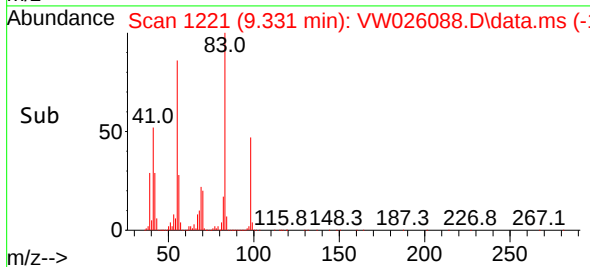
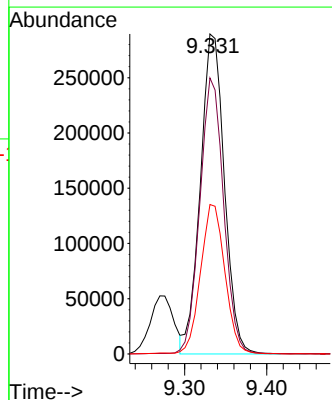
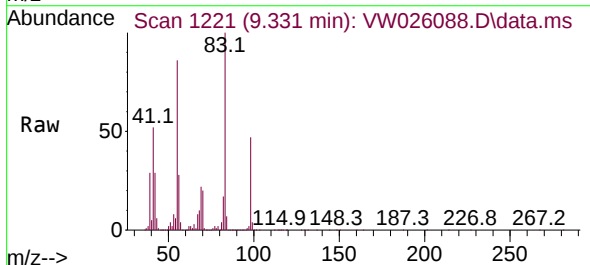
Instrument :
 MSVOA_W
 ClientSampleId :
 H0FN8MS

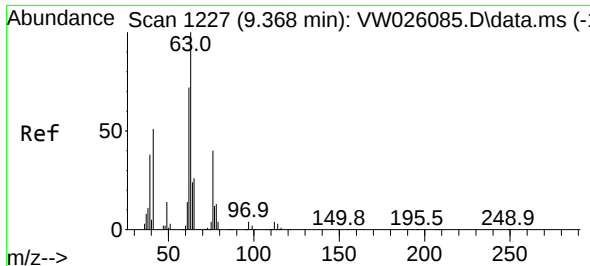
Tgt Ion: 95 Resp: 323189
 Ion Ratio Lower Upper
 95 100
 97 67.7 45.9 85.3
 132 90.6 67.1 124.7
 130 99.2 68.0 126.2



#35
 Methylcyclohexane
 Concen: 19.540 ug/L
 RT: 9.331 min Scan# 1221
 Delta R.T. -0.000 min
 Lab File: VW026088.D
 Acq: 30 May 2023 14:53

Tgt Ion: 83 Resp: 589226
 Ion Ratio Lower Upper
 83 100
 55 84.9 68.2 102.4
 98 47.3 38.1 57.1





#37

1,2-Dichloropropane

Concen: 19.811 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

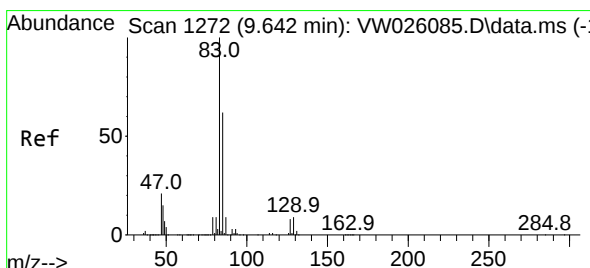
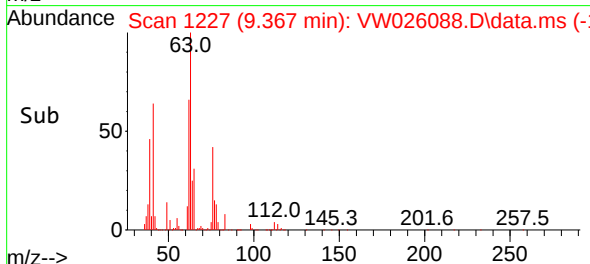
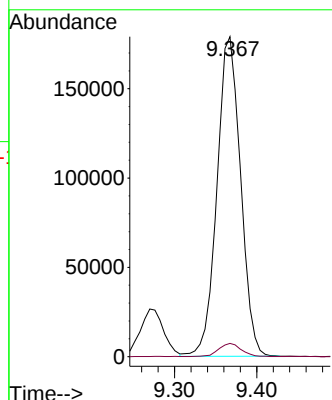
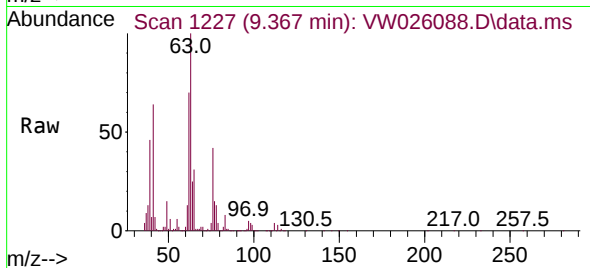
H0FN8MS

Tgt Ion: 63 Resp: 357111

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 19.901 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

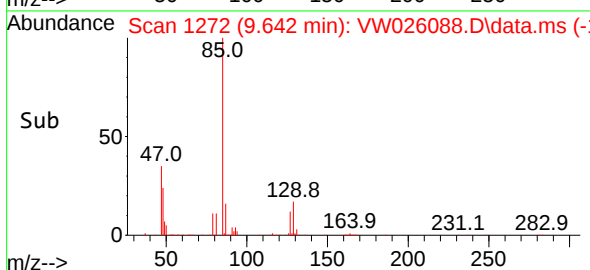
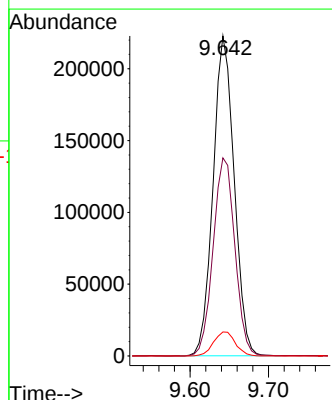
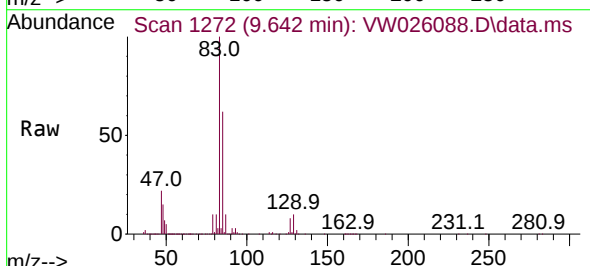
Tgt Ion: 83 Resp: 416764

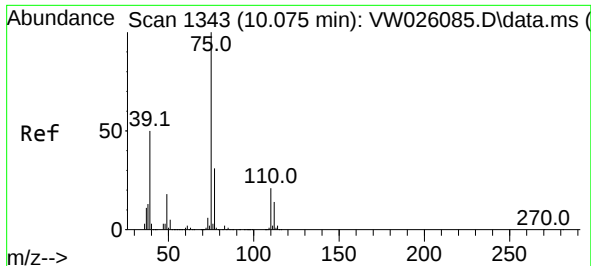
Ion Ratio Lower Upper

83 100

85 61.9 44.2 82.0

127 7.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 21.134 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

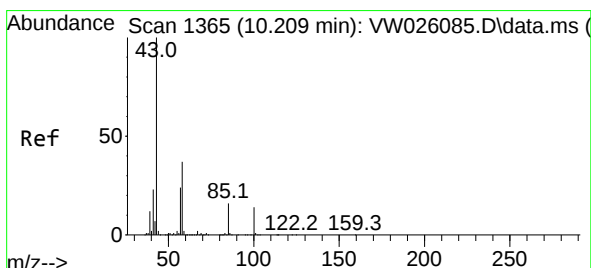
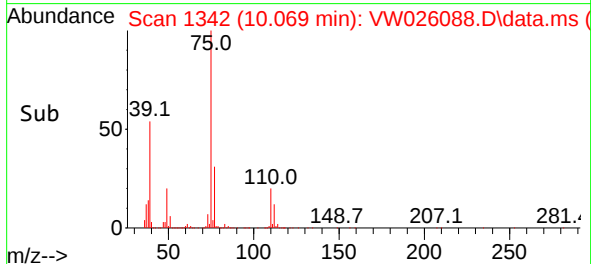
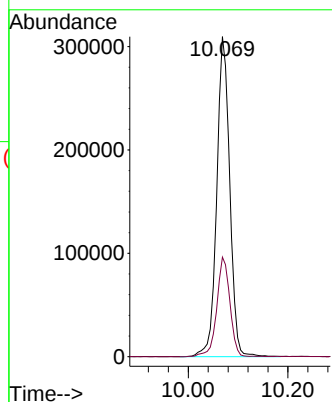
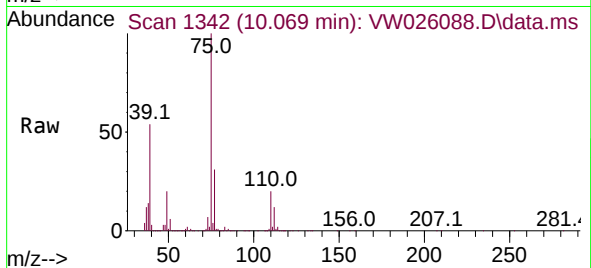
H0FN8MS

Tgt Ion: 75 Resp: 559832

Ion Ratio Lower Upper

75 100

77 31.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 50.243 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

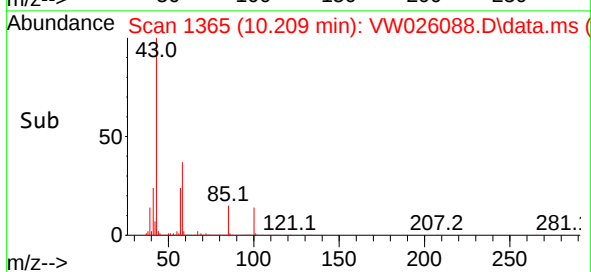
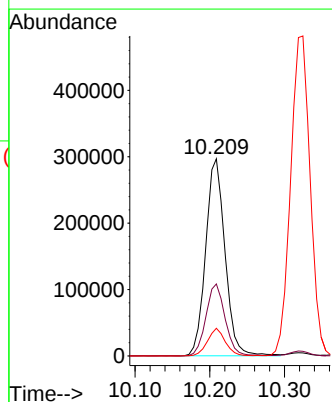
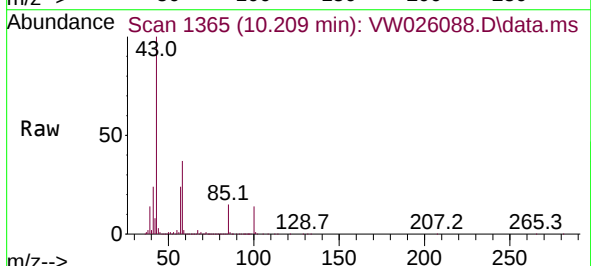
Tgt Ion: 43 Resp: 533960

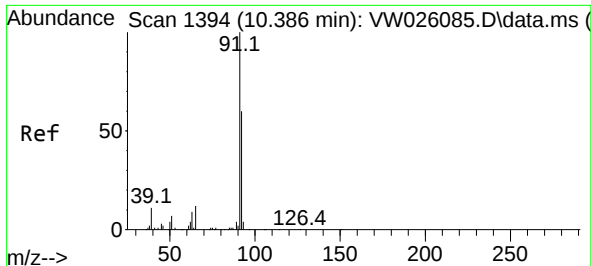
Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.4

100 13.0 10.5 15.7

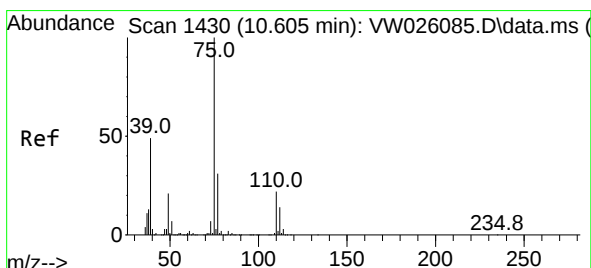
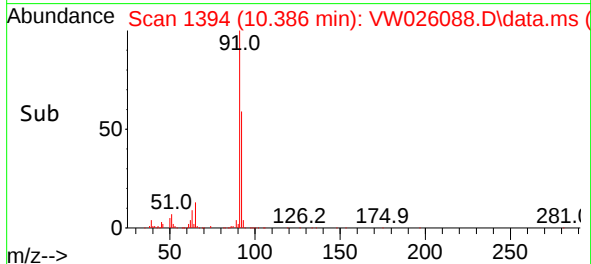
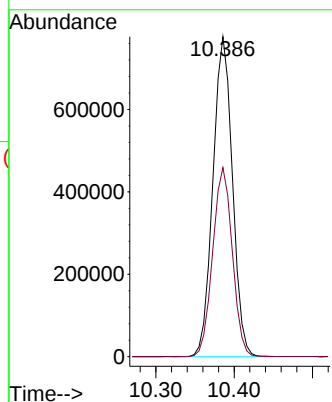
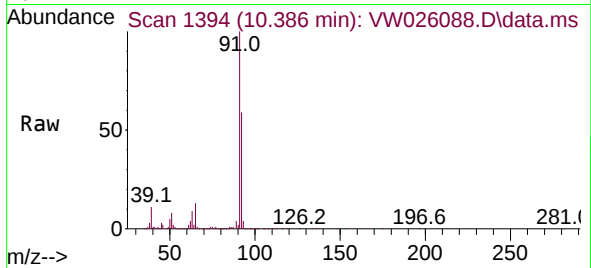




#42
Toluene
Concen: 19.740 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

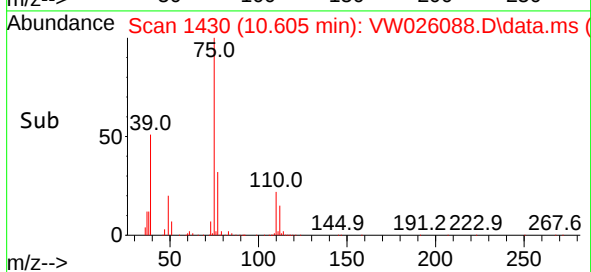
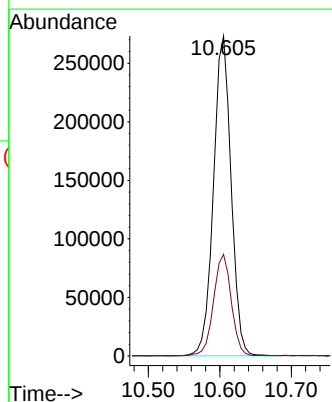
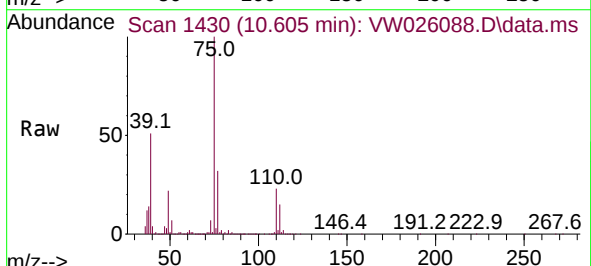
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

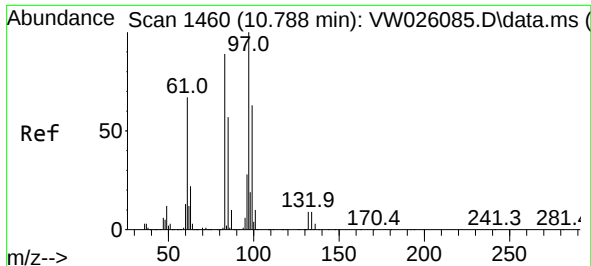
Tgt Ion: 91 Resp: 1343727
Ion Ratio Lower Upper
91 100
92 59.1 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 21.189 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 75 Resp: 467602
Ion Ratio Lower Upper
75 100
77 31.8 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 20.617 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MS

Tgt Ion: 97 Resp: 244933

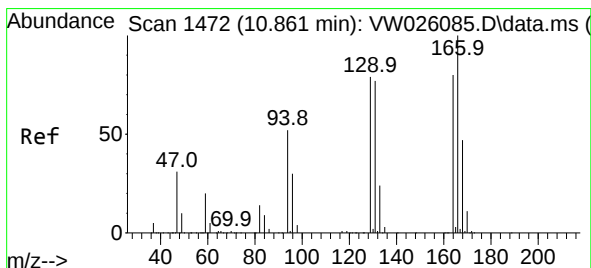
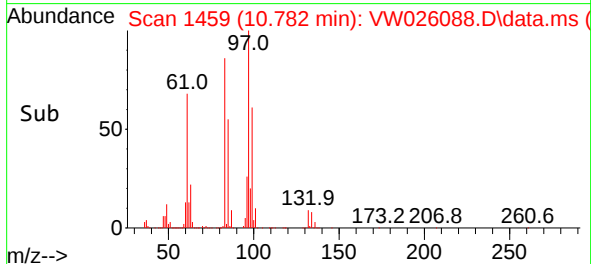
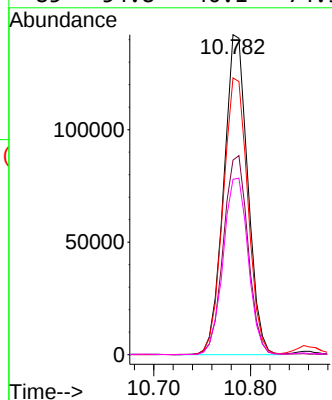
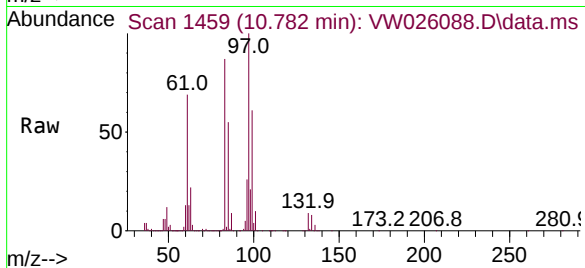
Ion Ratio Lower Upper

97 100

99 60.8 43.3 80.5

83 86.5 62.9 116.9

85 54.8 40.1 74.5



#46

Tetrachloroethene

Concen: 19.497 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Tgt Ion:164 Resp: 235012

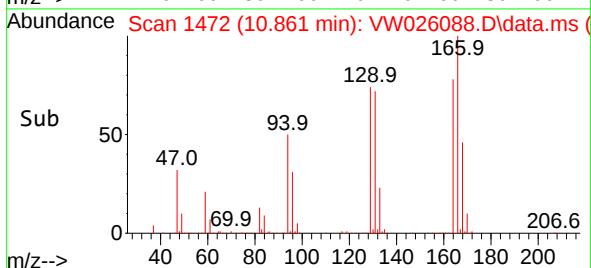
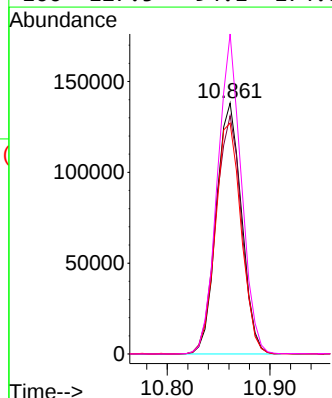
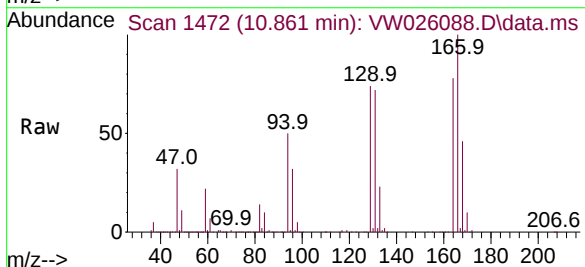
Ion Ratio Lower Upper

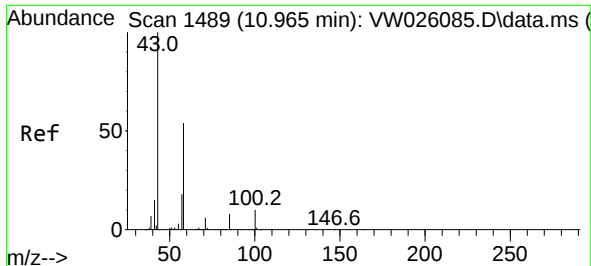
164 100

129 95.0 68.5 127.1

131 92.0 67.1 124.7

166 127.5 94.1 174.8



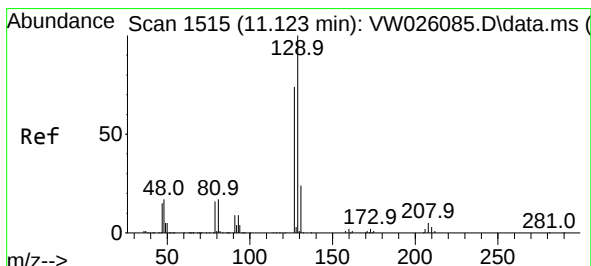
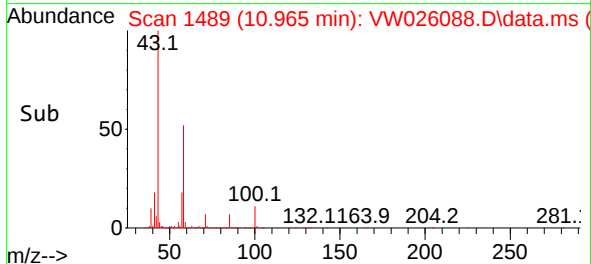
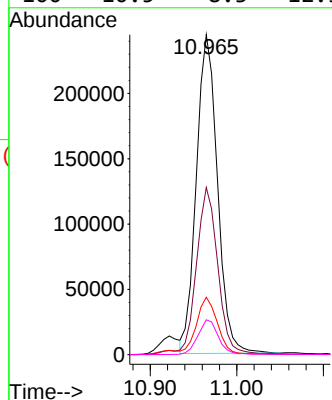
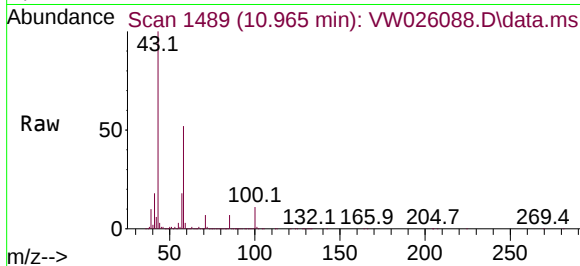


#48
2-Hexanone
Concen: 55.203 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

Tgt Ion: 43 Resp: 413658

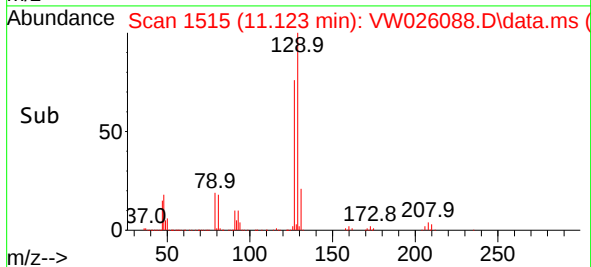
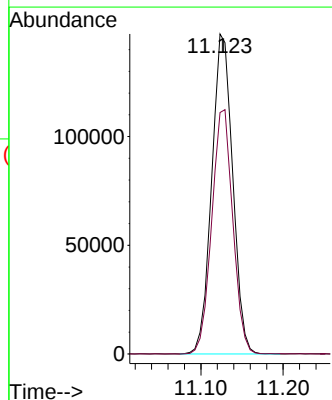
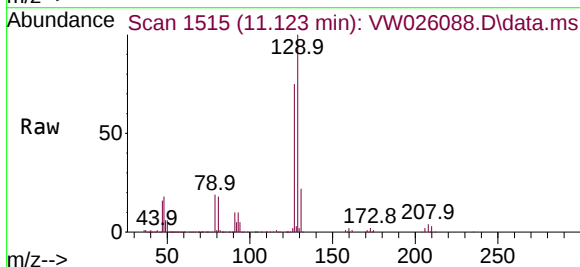
Ion	Ratio	Lower	Upper
43	100		
58	51.3	42.2	63.2
57	17.4	14.2	21.2
100	10.5	8.3	12.5

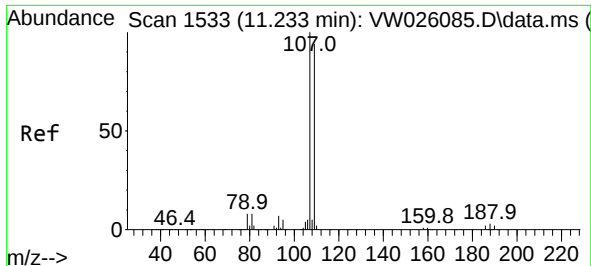


#49
Dibromochloromethane
Concen: 20.963 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 129 Resp: 261107

Ion	Ratio	Lower	Upper
129	100		
127	75.4	56.9	105.7





#50

1,2-Dibromoethane

Concen: 21.188 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MS

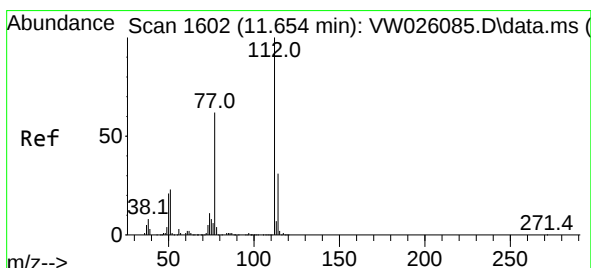
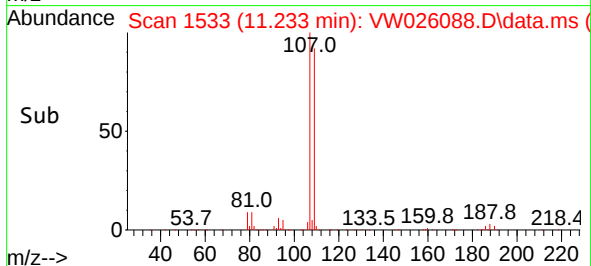
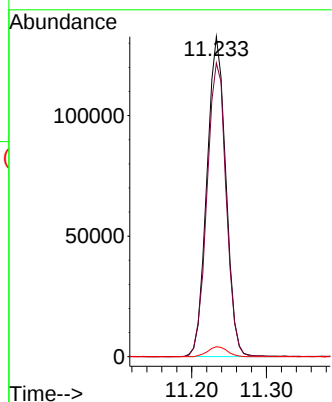
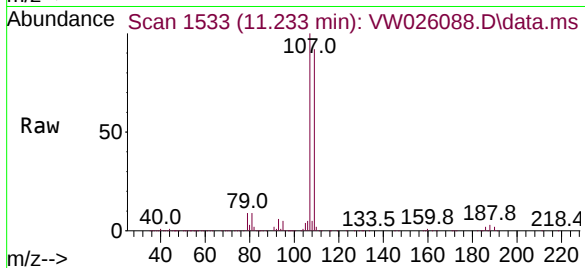
Tgt Ion:107 Resp: 233074

Ion Ratio Lower Upper

107 100

109 91.8 64.0 119.0

188 3.1 2.6 3.8



#51

Chlorobenzene

Concen: 19.290 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

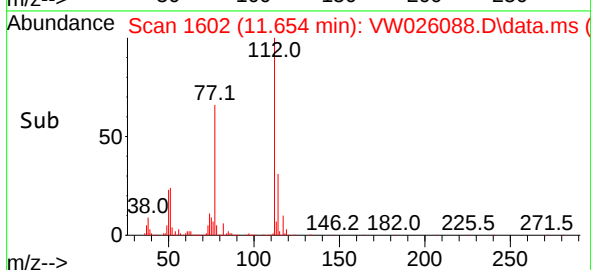
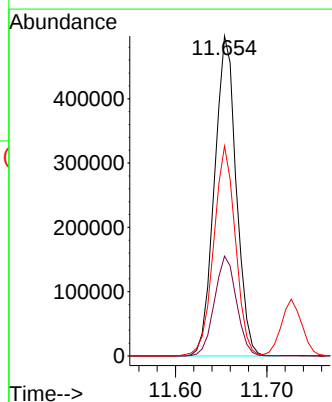
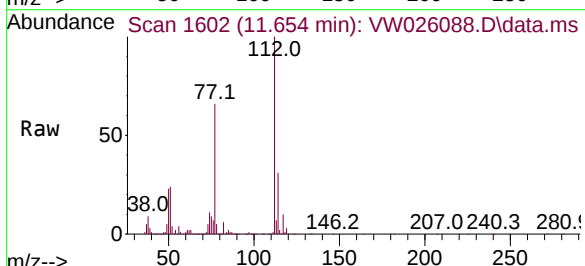
Tgt Ion:112 Resp: 822834

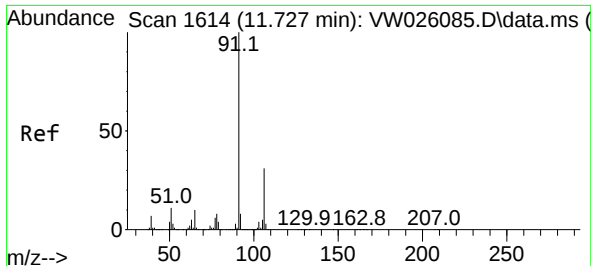
Ion Ratio Lower Upper

112 100

114 31.2 23.0 42.6

77 65.6 50.9 76.3





#52

Ethylbenzene

Concen: 19.856 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

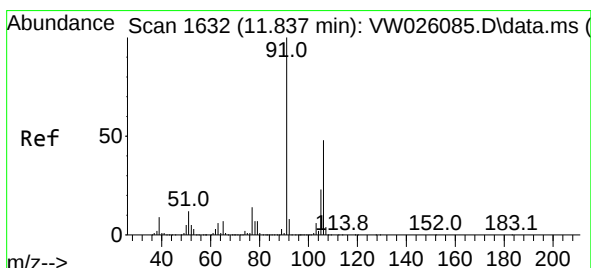
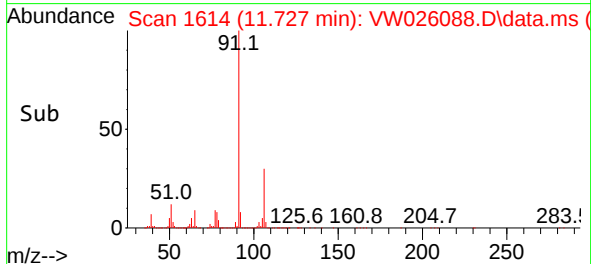
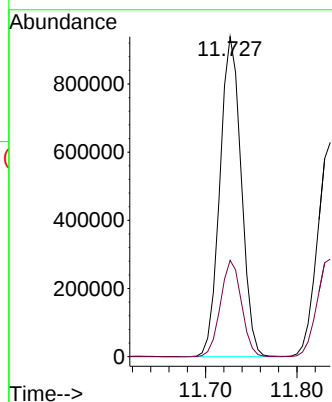
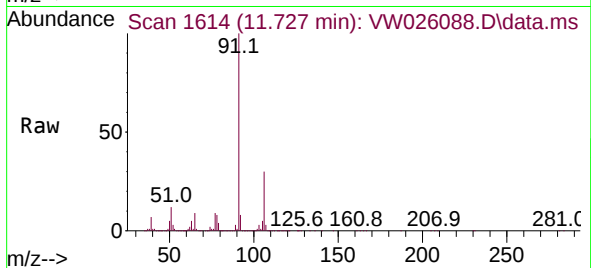
H0FN8MS

Tgt Ion: 91 Resp: 1524689

Ion Ratio Lower Upper

91 100

106 30.1 21.2 39.4



#53

m,p-Xylene

Concen: 19.748 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026088.D

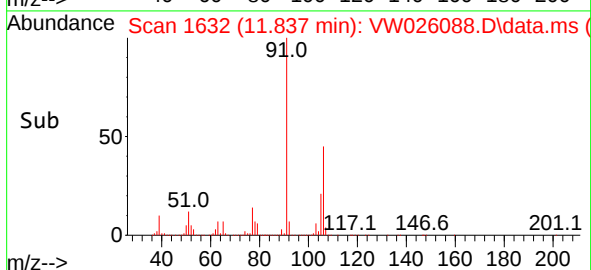
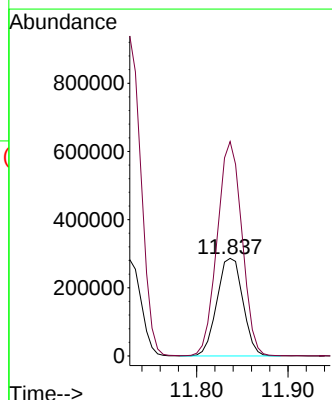
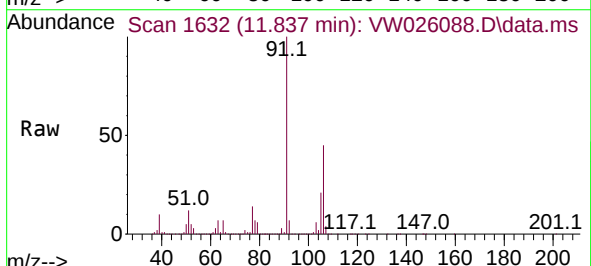
Acq: 30 May 2023 14:53

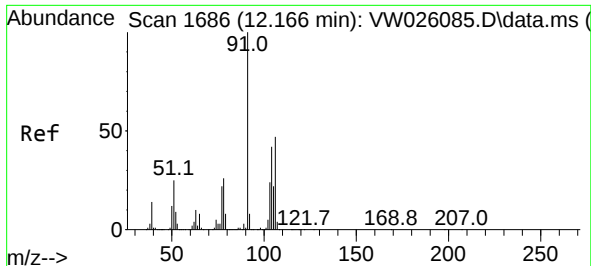
Tgt Ion:106 Resp: 564118

Ion Ratio Lower Upper

106 100

91 219.9 149.5 277.7

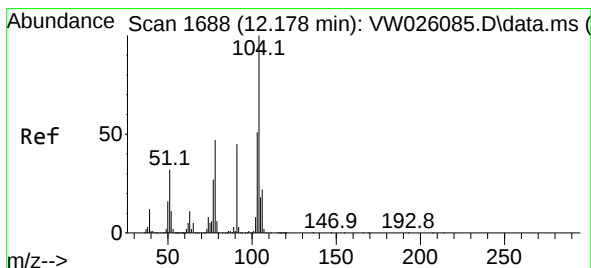
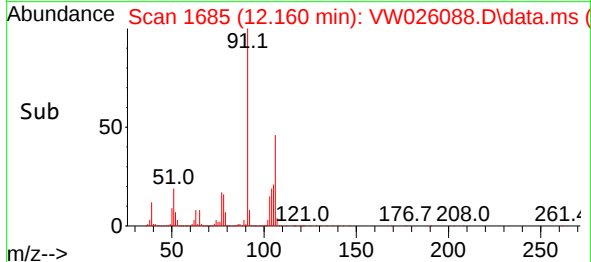
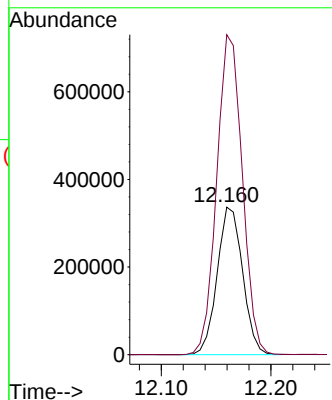
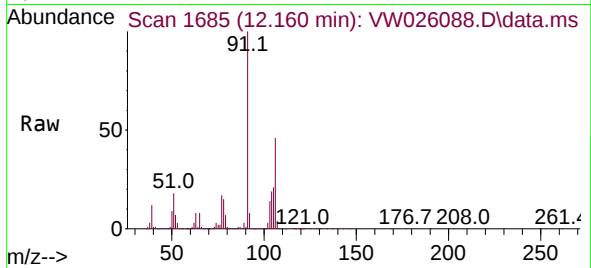




#54
o-Xylene
Concen: 20.142 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

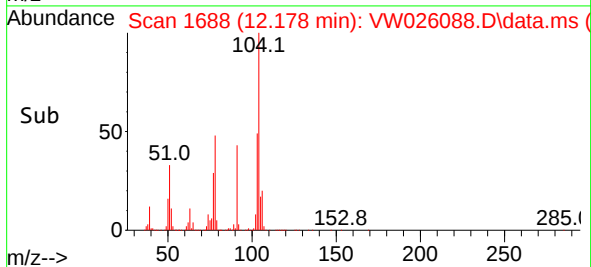
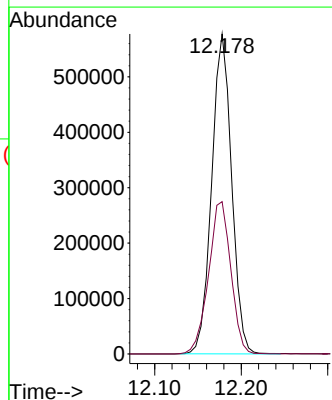
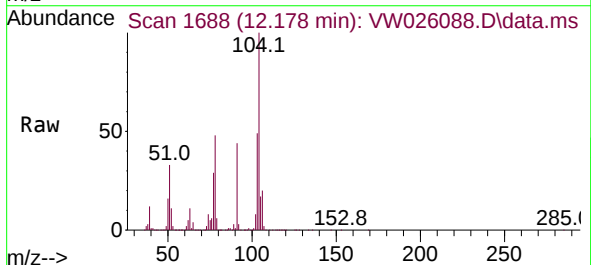
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

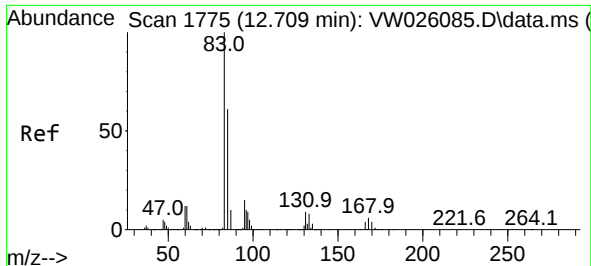
Tgt Ion:106 Resp: 543051
Ion Ratio Lower Upper
106 100
91 216.9 150.9 280.3



#55
Styrene
Concen: 19.946 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion:104 Resp: 922604
Ion Ratio Lower Upper
104 100
78 47.6 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 21.844 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MS

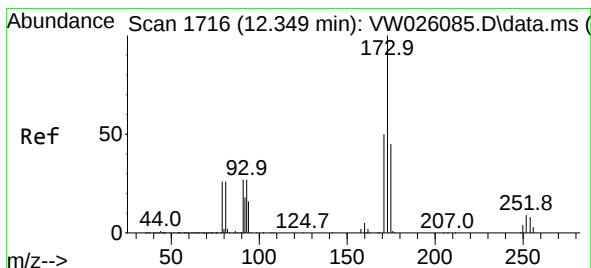
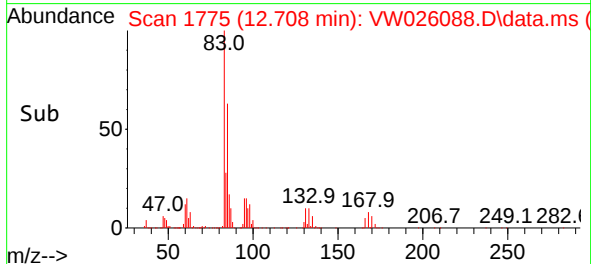
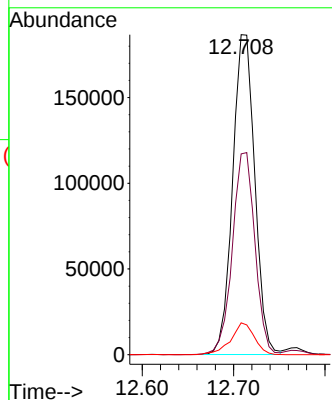
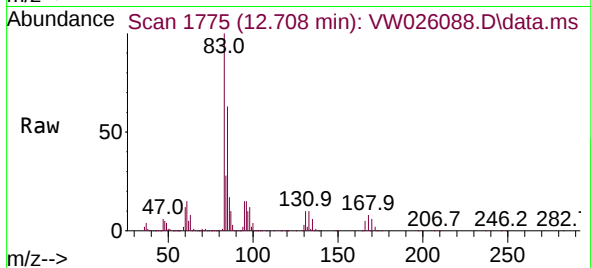
Tgt Ion: 83 Resp: 314060

Ion Ratio Lower Upper

83 100

85 62.7 42.6 79.0

131 10.0 7.2 10.8



#59

Bromoform

Concen: 21.667 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

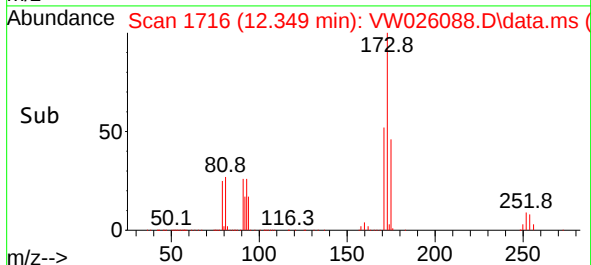
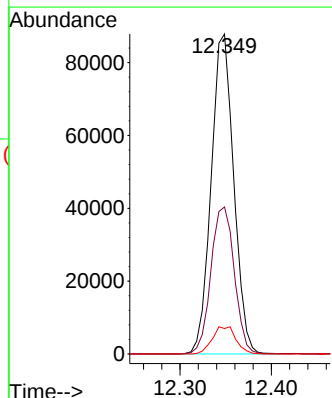
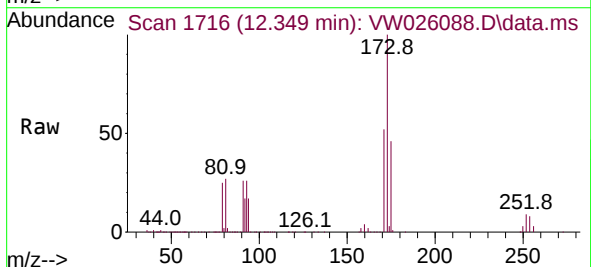
Tgt Ion: 173 Resp: 150825

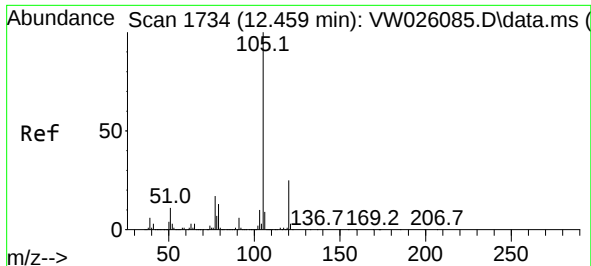
Ion Ratio Lower Upper

173 100

175 47.7 38.6 57.8

254 9.0 7.4 11.0

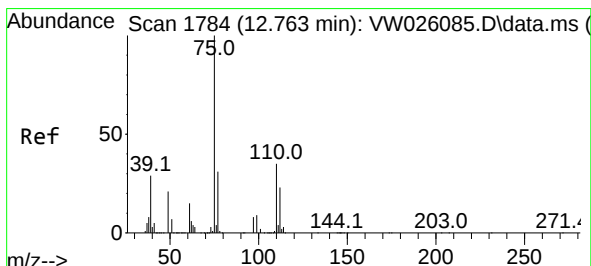
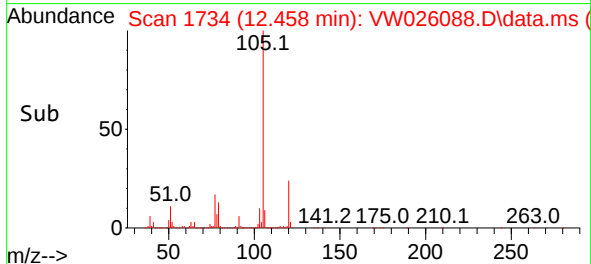
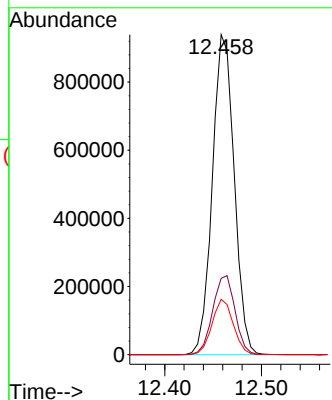
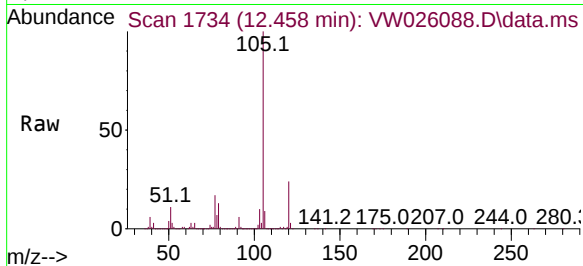




#60
Isopropylbenzene
Concen: 20.257 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

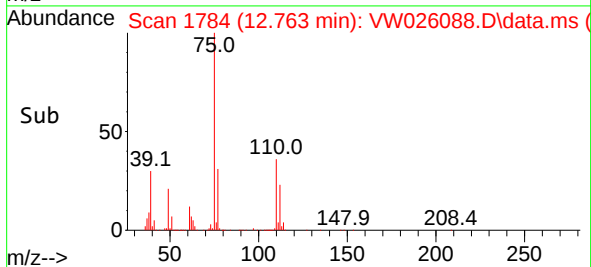
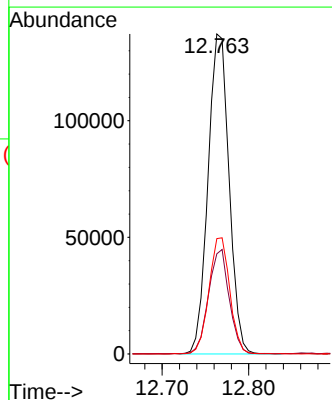
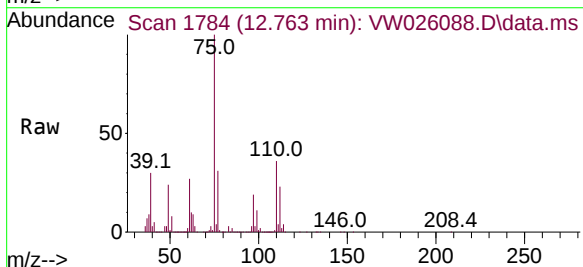
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

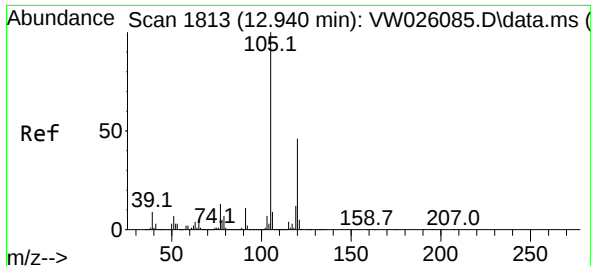
Tgt Ion:105 Resp: 1474856
Ion Ratio Lower Upper
105 100
120 25.2 19.8 29.8
77 16.9 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 22.288 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion: 75 Resp: 231376
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
110 36.0 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 20.168 ug/L

RT: 12.940 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

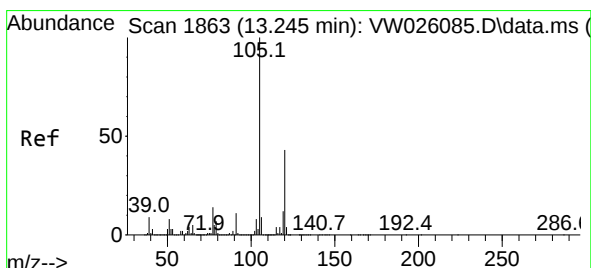
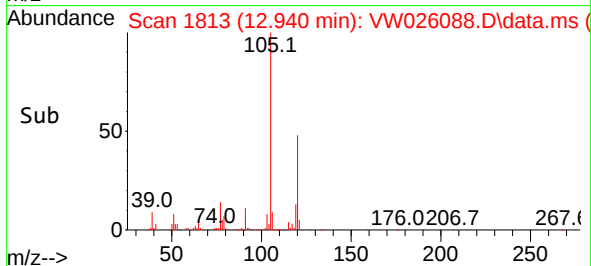
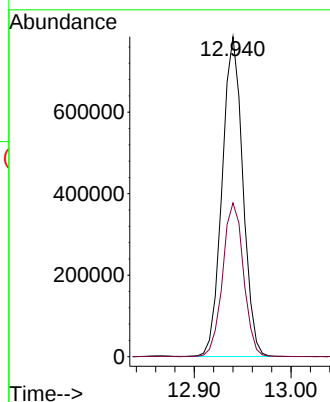
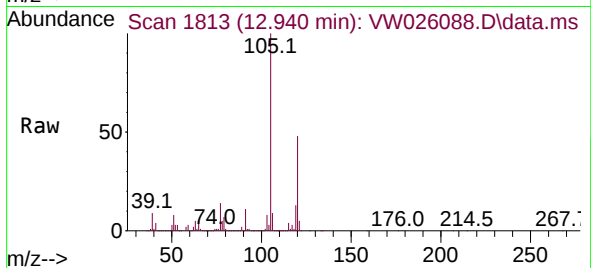
H0FN8MS

Tgt Ion:105 Resp: 1167253

Ion Ratio Lower Upper

105 100

120 48.4 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 20.384 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026088.D

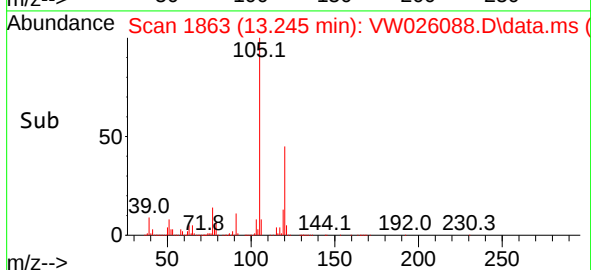
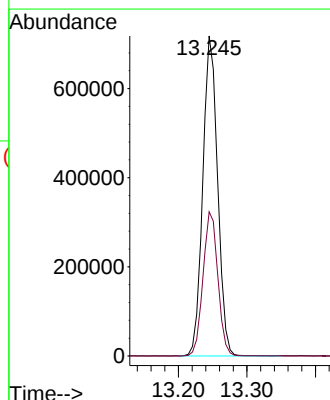
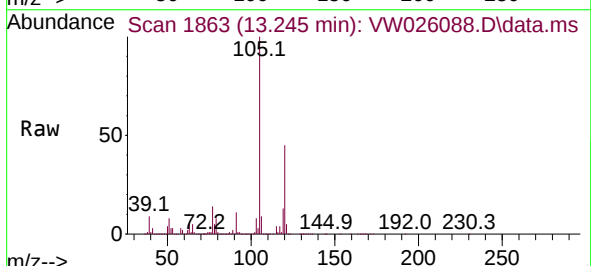
Acq: 30 May 2023 14:53

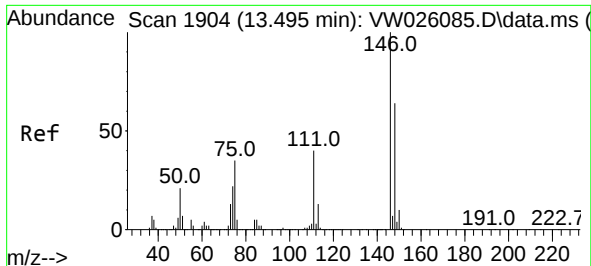
Tgt Ion:105 Resp: 1080546

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.2

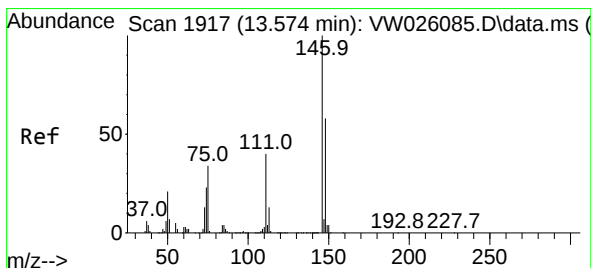
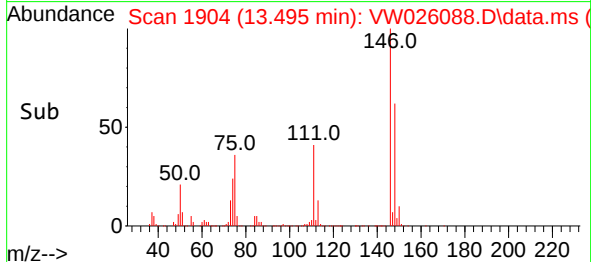
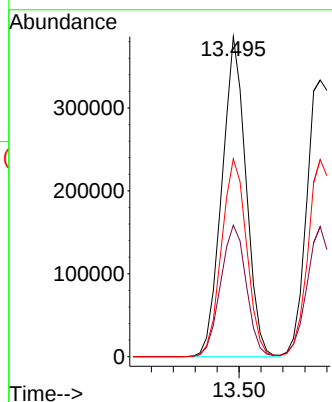
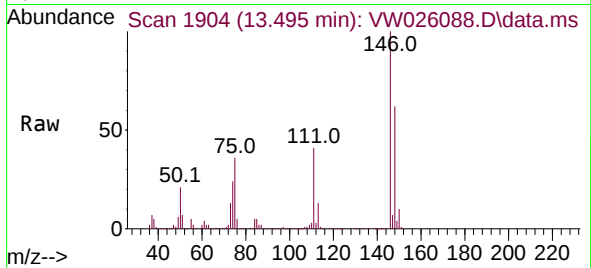




#64
1,3-Dichlorobenzene
Concen: 19.250 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

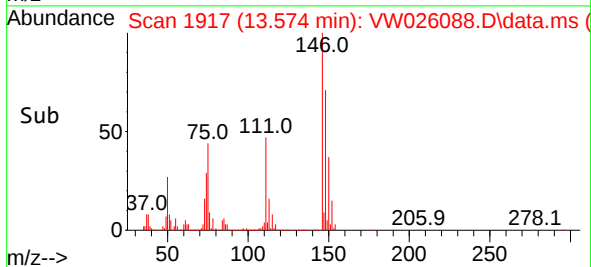
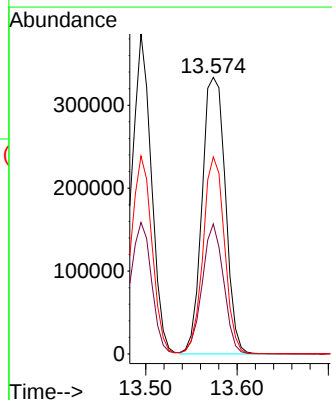
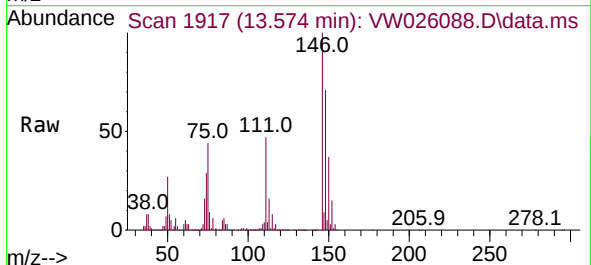
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

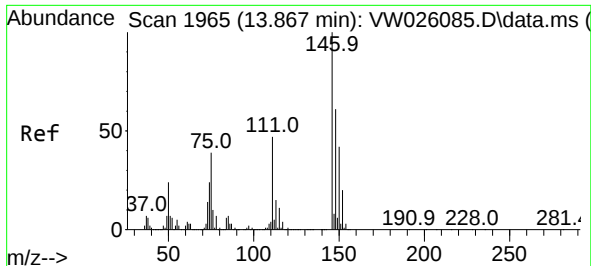
Tgt Ion:146 Resp: 589274
Ion Ratio Lower Upper
146 100
111 41.1 29.7 55.1
148 61.8 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 19.226 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion:146 Resp: 592554
Ion Ratio Lower Upper
146 100
111 47.1 29.2 54.2
148 71.3 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 19.345 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MS

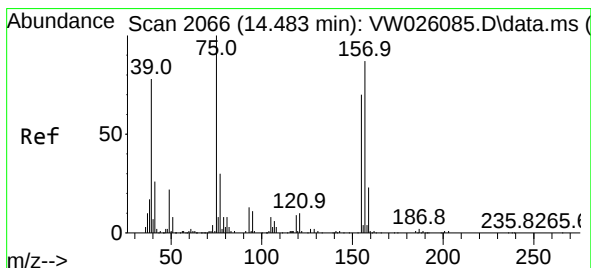
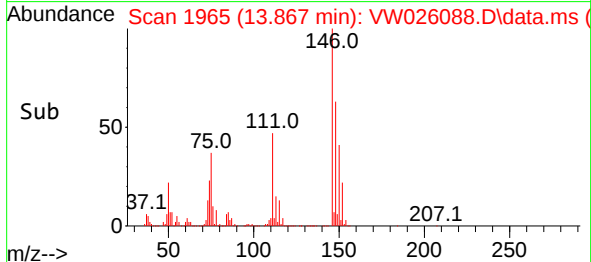
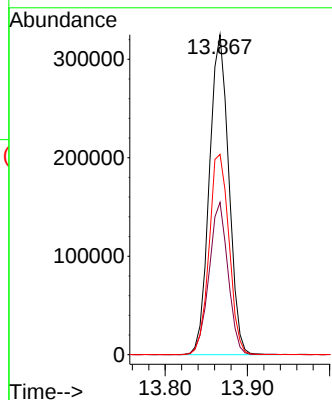
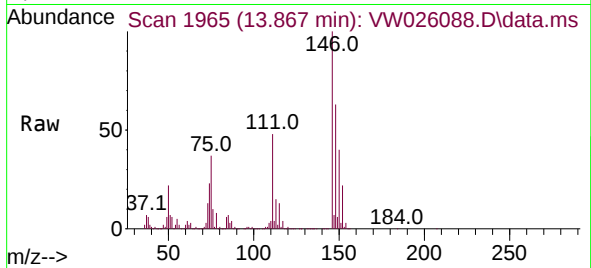
Tgt Ion:146 Resp: 531771

Ion Ratio Lower Upper

146 100

111 47.6 35.4 53.0

148 62.6 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 20.653 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

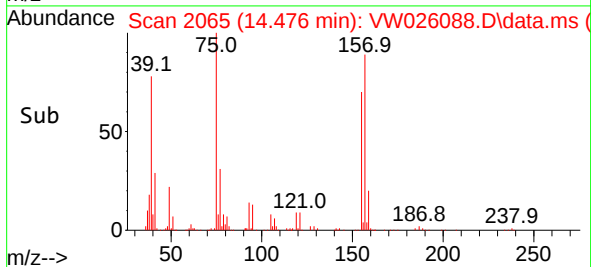
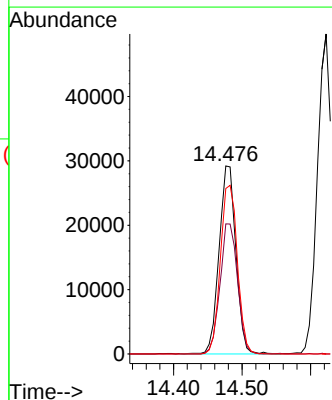
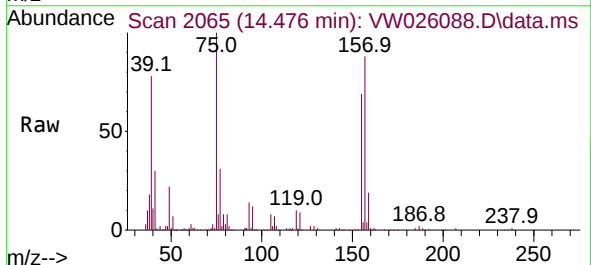
Tgt Ion: 75 Resp: 49674

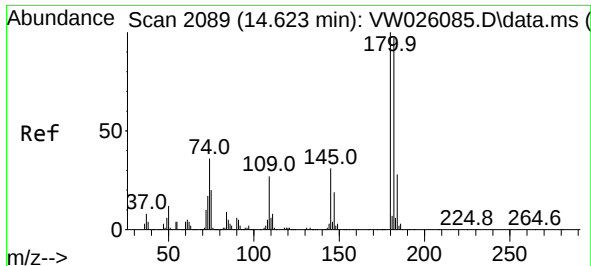
Ion Ratio Lower Upper

75 100

155 69.1 59.0 88.6

157 88.0 71.7 107.5

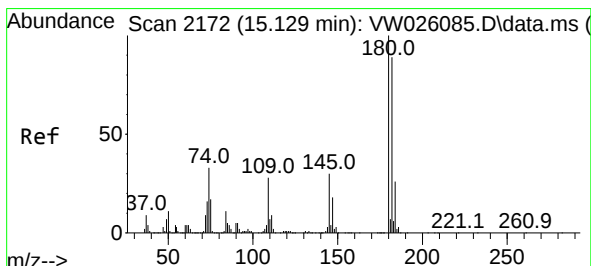
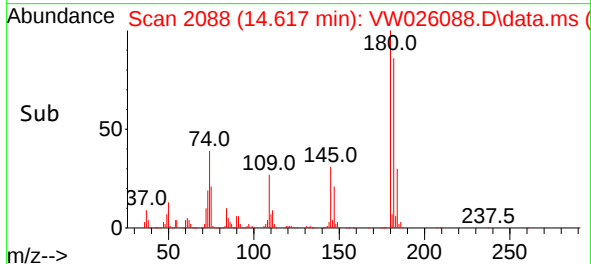
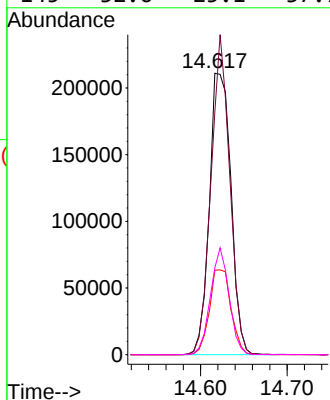
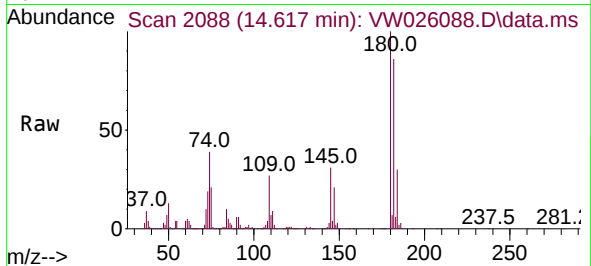




#69
1,3,5-Trichlorobenzene
Concen: 17.409 ug/L
RT: 14.617 min Scan# 2088
Delta R.T. -0.006 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

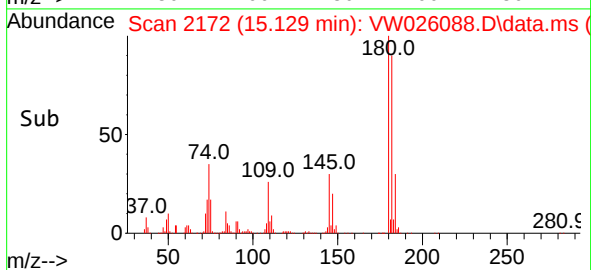
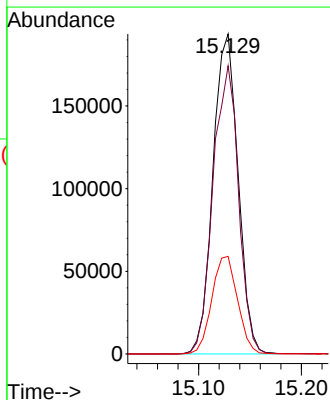
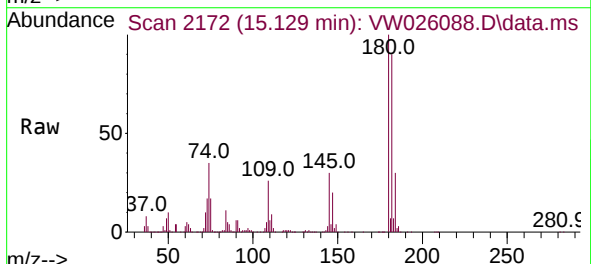
Instrument :
MSVOA_W
ClientSampleId :
H0FN8MS

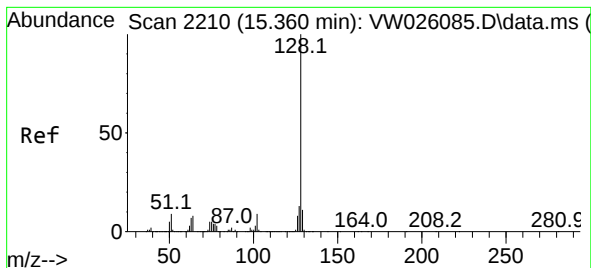
Tgt Ion:180 Resp: 366077
Ion Ratio Lower Upper
180 100
182 98.6 77.0 115.4
184 30.2 23.7 35.5
145 32.6 25.1 37.7



#70
1,2,4-trichlorobenzene
Concen: 18.940 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW026088.D
Acq: 30 May 2023 14:53

Tgt Ion:180 Resp: 328635
Ion Ratio Lower Upper
180 100
182 91.3 78.9 118.3
145 31.3 27.2 40.8





#71

Naphthalene

Concen: 21.389 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Instrument :

MSVOA_W

ClientSampleId :

H0FN8MS

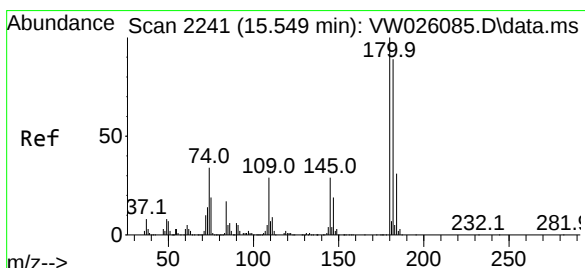
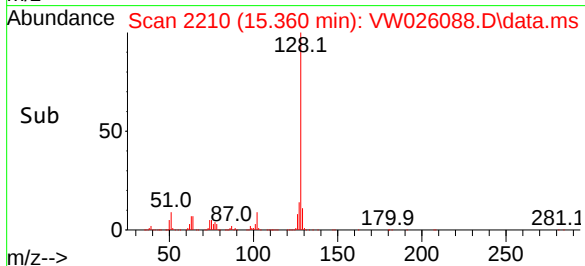
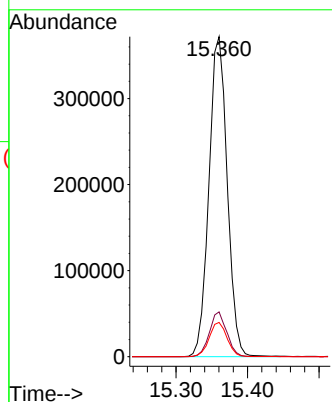
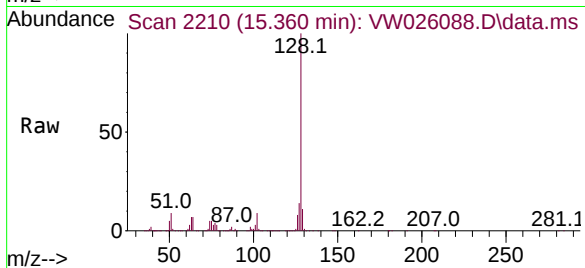
Tgt Ion:128 Resp: 661465

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.5 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 17.817 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026088.D

Acq: 30 May 2023 14:53

Tgt Ion:180 Resp: 270188

Ion Ratio Lower Upper

180 100

182 98.2 76.3 114.5

145 35.3 27.0 40.6

