

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052223\
 Data File : VW026021.D
 Acq On : 22 May 2023 11:18
 Operator : SY/MD
 Sample : 02851-02MSRE
 Misc : 3.73g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

Quant Time: May 23 01:23:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 23 01:22:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	760521	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	646067	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	280826	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	191705	17.788	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.160%
7) Chloroethane-d5	2.899	69	171230	21.431	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.720%
11) 1,1-Dichloroethene-d2	4.021	65	98873	18.322	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.280%
21) 2-Butanone-d5	7.075	46	138486	38.870	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.740%
24) Chloroform-d	7.648	84	496881	22.658	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.640%
26) 1,2-Dichloroethane-d4	8.307	65	263242	21.228	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.920%
32) Benzene-d6	8.270	84	936999	22.196	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	9.276	67	318042	23.547	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.200%
41) Toluene-d8	10.325	98	806625	21.428	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.720%
43) trans-1,3-Dichloroprop...	10.575	79	107927	19.712	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.840%
47) 2-Hexanone-d5	10.922	63	96992	42.112	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.220%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	235028	22.830	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.320%
66) 1,2-Dichlorobenzene-d4	13.848	152	211164	20.627	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	145917	17.174	ug/L	90
3) Chloromethane	2.222	50	258371	20.624	ug/L	99
5) Vinyl chloride	2.375	62	281823	21.734	ug/L	100
6) Bromomethane	2.789	94	144131	20.436	ug/L	94
8) Chloroethane	2.936	64	173950	23.592	ug/L	98
9) Trichlorofluoromethane	3.265	101	206035	21.054	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	228223	21.444	ug/L	96
12) 1,1-Dichloroethene	4.045	96	215790	21.216	ug/L	96
13) Acetone	4.118	43	185381	58.681	ug/L	99
14) Carbon disulfide	4.393	76	652148	18.959	ug/L	99
16) Methylene chloride	4.917	84	260660	16.619	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	235341	21.209	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	374794	22.255	ug/L	100
19) 1,1-Dichloroethane	6.222	63	524964	23.027	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	269625	22.649	ug/L	100
22) 2-Butanone	7.167	43	195420	44.799	ug/L	100
23) Bromochloromethane	7.514	128	113206	22.447	ug/L	94
25) Chloroform	7.679	83	496314	23.687	ug/L	99
27) 1,2-Dichloroethane	8.398	62	331270	22.262	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052223\
 Data File : VW026021.D
 Acq On : 22 May 2023 11:18
 Operator : SY/MD
 Sample : 02851-02MSRE
 Misc : 3.73g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

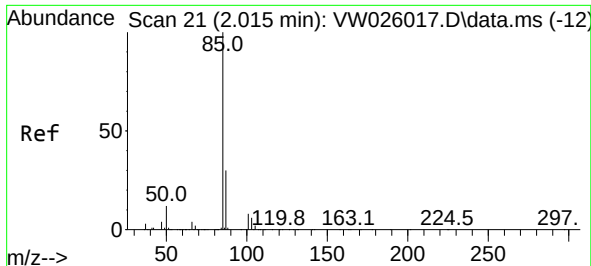
Quant Time: May 23 01:23:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 23 01:22:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	420083	20.982	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	378104	23.930	ug/L	99
31) Carbon tetrachloride	8.069	117	324736	22.838	ug/L	100
33) Benzene	8.325	78	1072877	24.003	ug/L	100
34) Trichloroethene	9.093	95	263551	22.978	ug/L	98
35) Methylcyclohexane	9.337	83	375829	18.423	ug/L	99
37) 1,2-Dichloropropane	9.367	63	294271	24.030	ug/L	100
38) Bromodichloromethane	9.642	83	337113	23.994	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	388622	21.640	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	352301	44.197	ug/L	99
42) Toluene	10.386	91	1101984	24.128	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	332288	22.330	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	191846	23.419	ug/L	97
46) Tetrachloroethene	10.861	164	175474	21.746	ug/L	96
48) 2-Hexanone	10.965	43	263797	46.196	ug/L	96
49) Dibromochloromethane	11.129	129	194025	22.878	ug/L	99
50) 1,2-Dibromoethane	11.233	107	168010	22.247	ug/L	96
51) Chlorobenzene	11.654	112	640648	22.643	ug/L	97
52) Ethylbenzene	11.727	91	1186708	23.099	ug/L	98
53) m,p-Xylene	11.836	106	433581	22.931	ug/L	99
54) o-Xylene	12.166	106	414752	23.272	ug/L	90
55) Styrene	12.178	104	687500	22.538	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	222212	21.740	ug/L	95
59) Bromoform	12.349	173	106889	25.697	ug/L	99
60) Isopropylbenzene	12.458	105	1100748	25.787	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	164907	24.847	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	840833	24.869	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	764400	24.500	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	404594	22.018	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	410269	22.099	ug/L	92
67) 1,2-Dichlorobenzene	13.867	146	366298	22.352	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	33218	21.584	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	199704	16.372	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	147295	14.414	ug/L	99
71) Naphthalene	15.360	128	297375	15.418	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	117277	12.934	ug/L	98

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

Quant Time: May 23 01:23:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
Quant Title : SFAM01.0
QLast Update : Tue May 23 01:22:37 2023
Response via : Initial Calibration

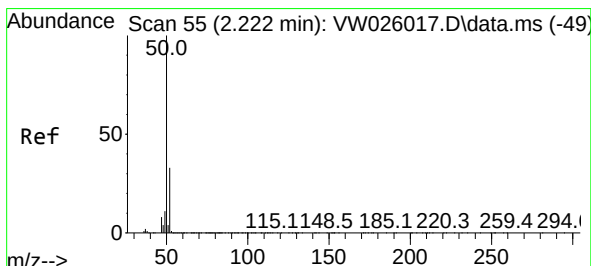
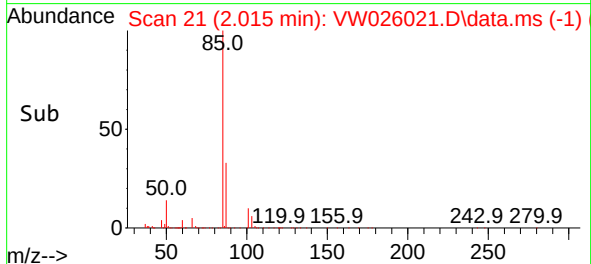
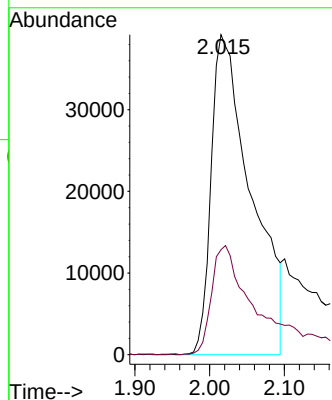
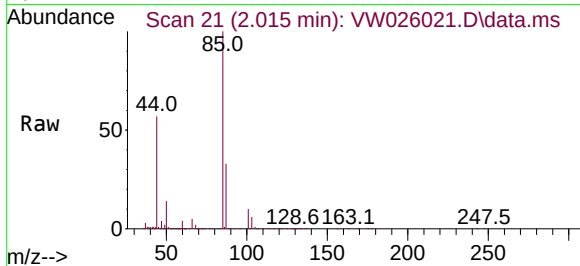




#2
Dichlorodifluoromethane
Concen: 17.174 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

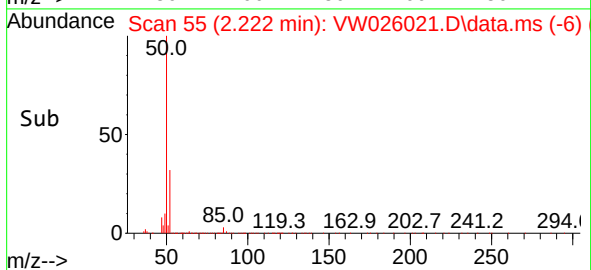
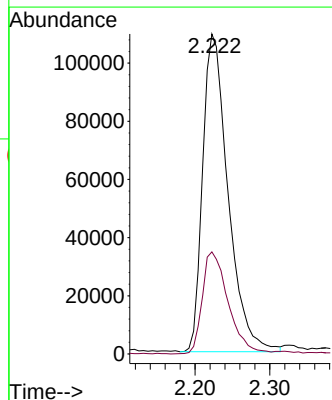
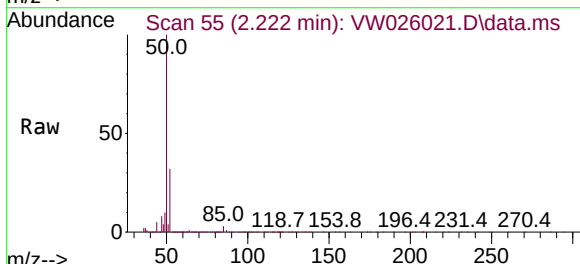
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

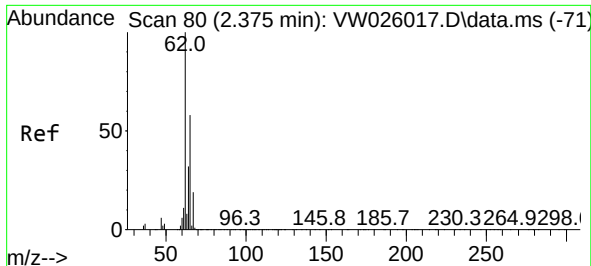
Tgt Ion: 85 Resp: 145917
Ion Ratio Lower Upper
85 100
87 36.3 24.7 37.1



#3
Chloromethane
Concen: 20.624 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 50 Resp: 258371
Ion Ratio Lower Upper
50 100
52 31.9 22.1 41.1

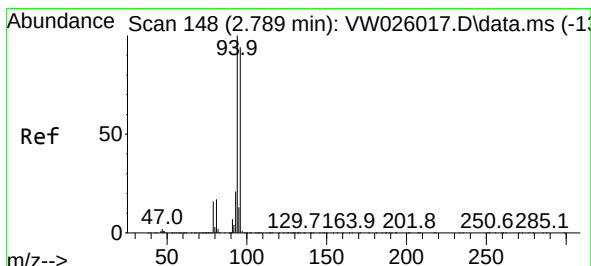
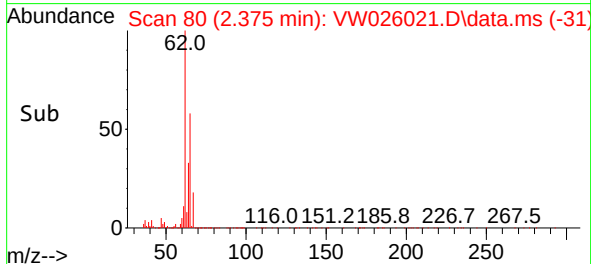
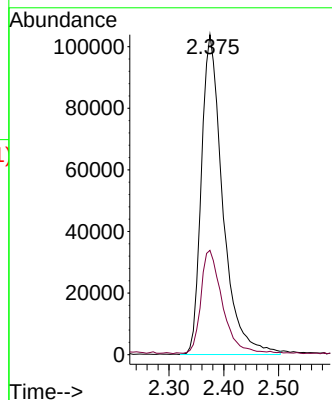
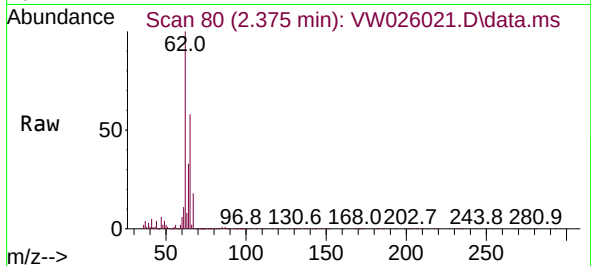




#5
 Vinyl chloride
 Concen: 21.734 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026021.D
 Acq: 22 May 2023 11:18

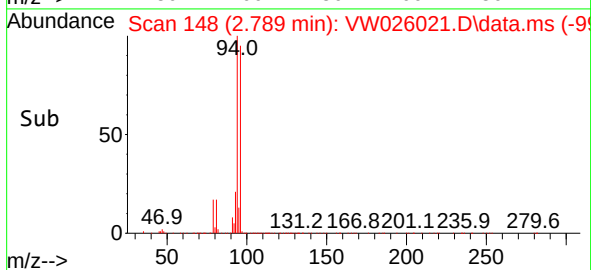
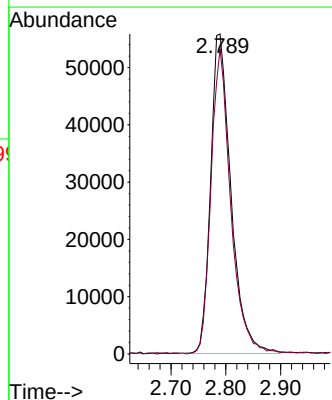
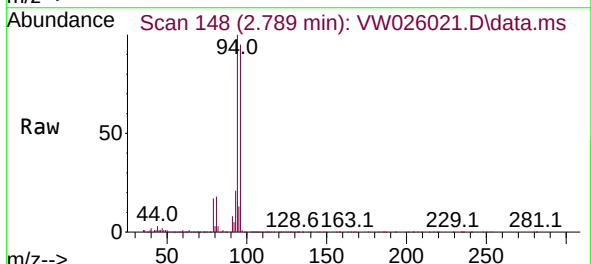
Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

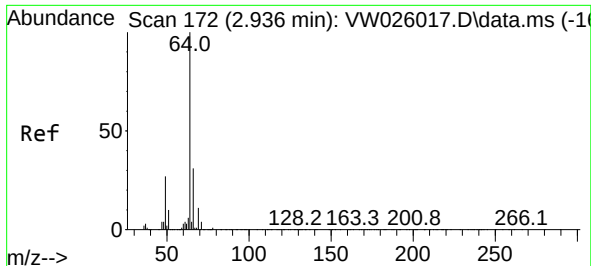
Tgt Ion: 62 Resp: 281823
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.7 42.3



#6
 Bromomethane
 Concen: 20.436 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW026021.D
 Acq: 22 May 2023 11:18

Tgt Ion: 94 Resp: 144131
 Ion Ratio Lower Upper
 94 100
 96 95.3 63.1 117.1

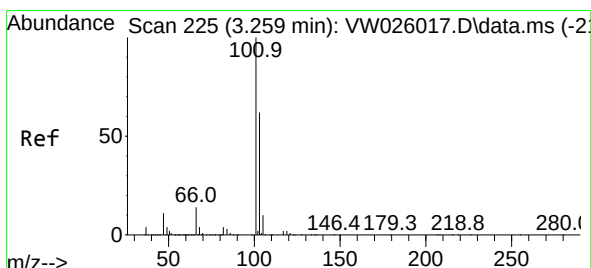
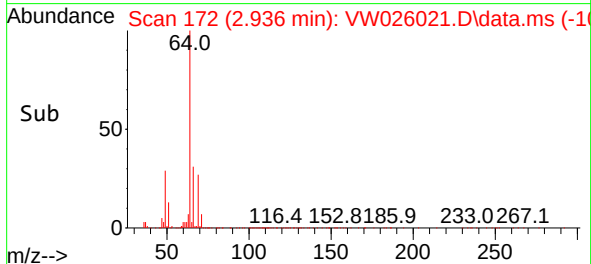
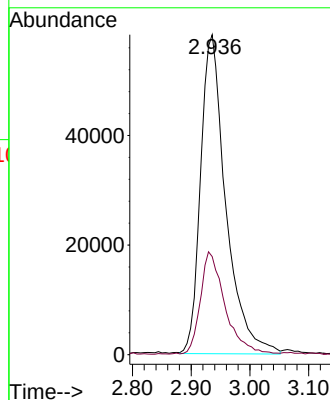
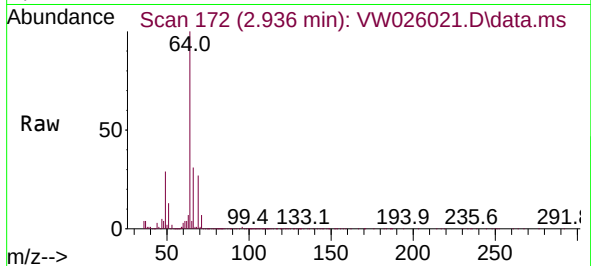




#8
Chloroethane
Concen: 23.592 ug/L
RT: 2.936 min Scan# 172
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

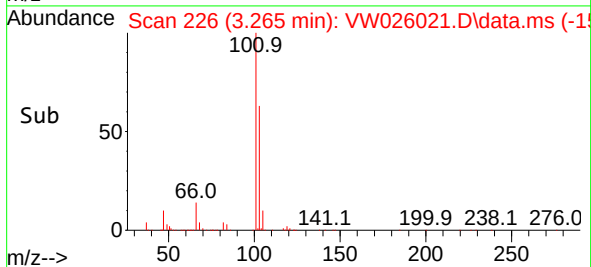
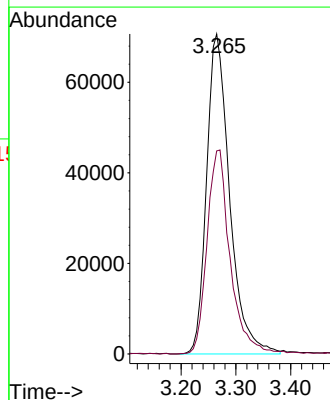
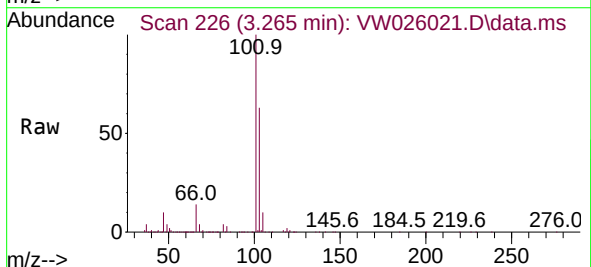
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

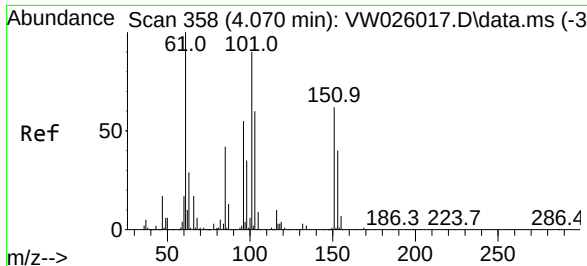
Tgt Ion: 64 Resp: 173950
Ion Ratio Lower Upper
64 100
66 30.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 21.054 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 101 Resp: 206035
Ion Ratio Lower Upper
101 100
103 63.7 50.6 76.0

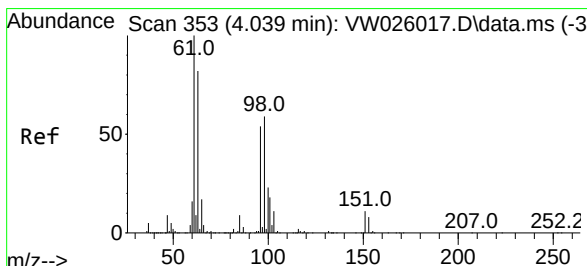
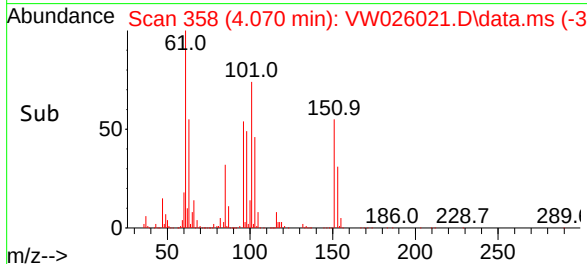
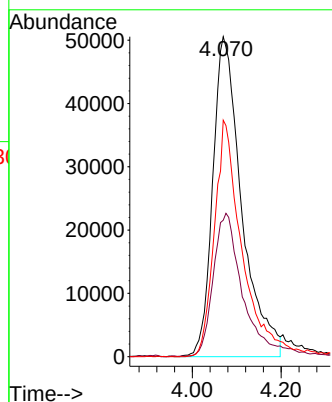
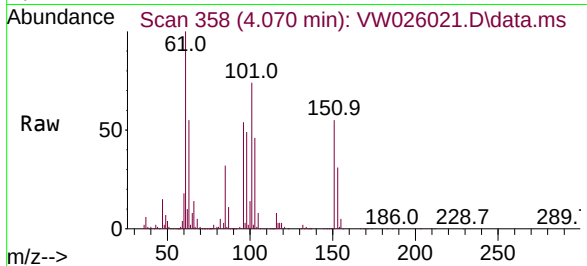




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.444 ug/L
 RT: 4.070 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VW026021.D
 Acq: 22 May 2023 11:18

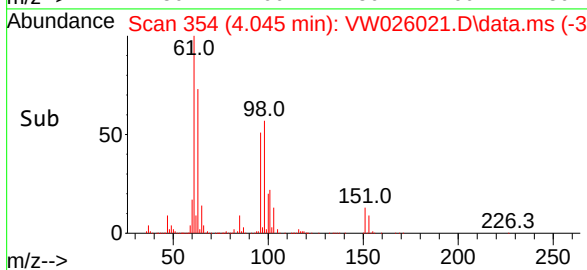
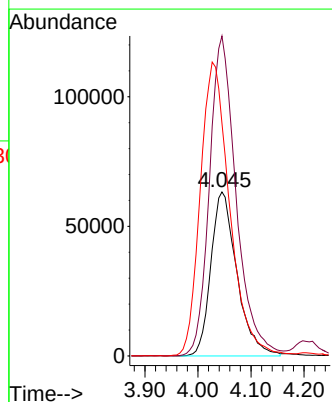
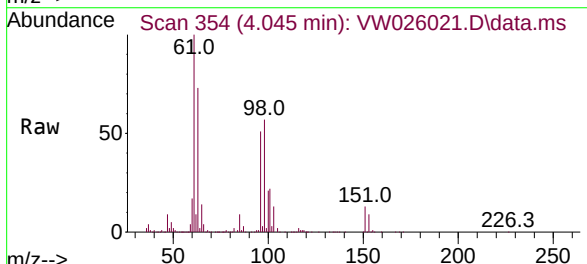
Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

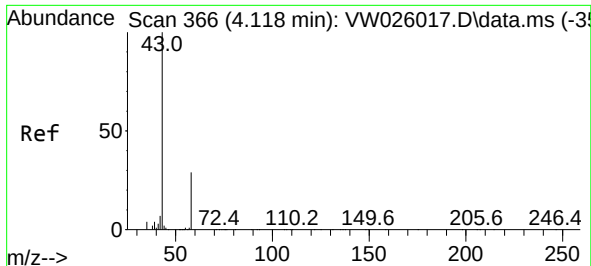
Tgt Ion:101 Resp: 228223
 Ion Ratio Lower Upper
 101 100
 85 45.6 33.9 50.9
 151 70.0 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 21.216 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW026021.D
 Acq: 22 May 2023 11:18

Tgt Ion: 96 Resp: 215790
 Ion Ratio Lower Upper
 96 100
 61 195.1 135.0 250.8
 63 141.8 104.9 194.7

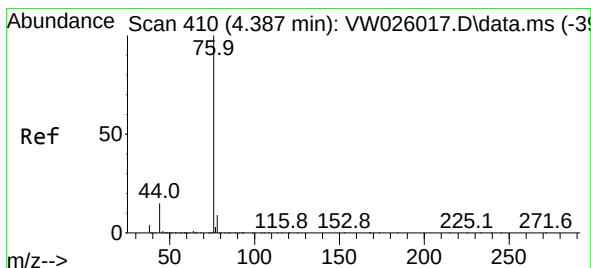
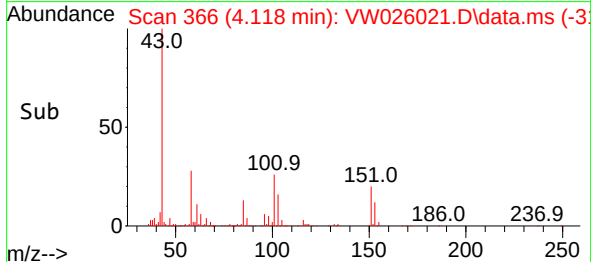
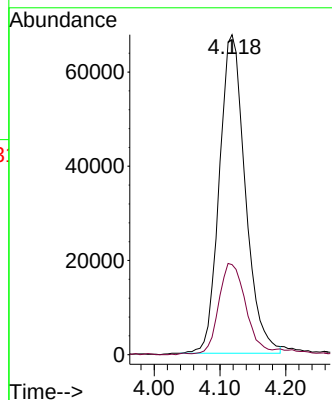
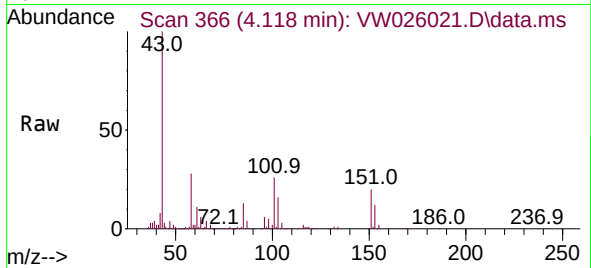




#13
Acetone
Concen: 58.681 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

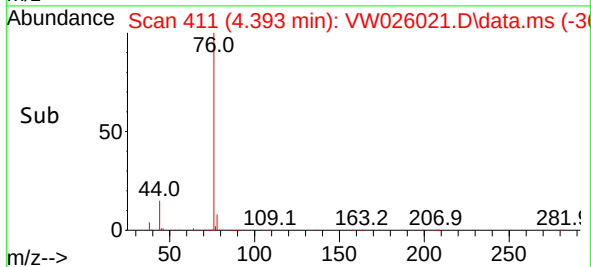
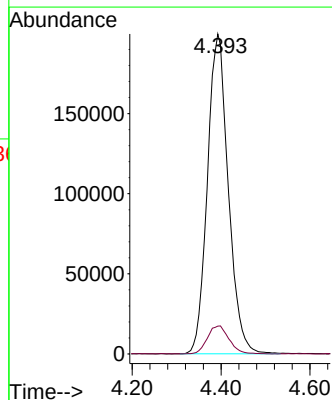
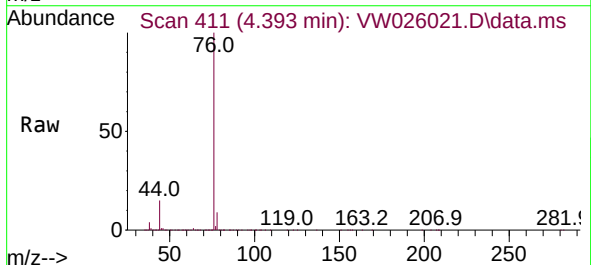
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

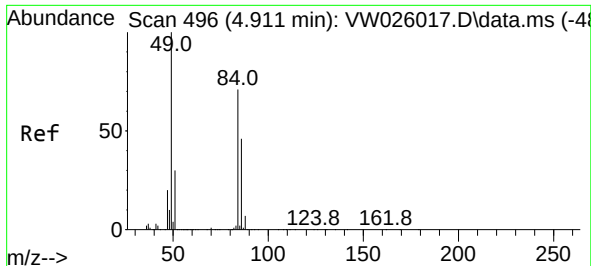
Tgt Ion: 43 Resp: 185381
Ion Ratio Lower Upper
43 100
58 29.7 0.0 58.2



#14
Carbon disulfide
Concen: 18.959 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 76 Resp: 652148
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

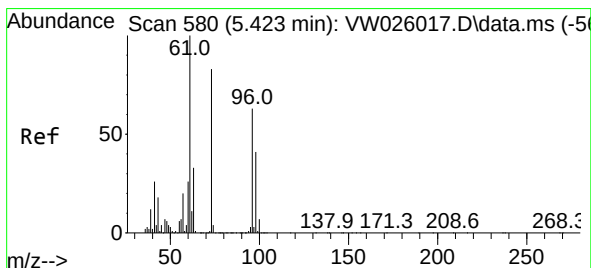
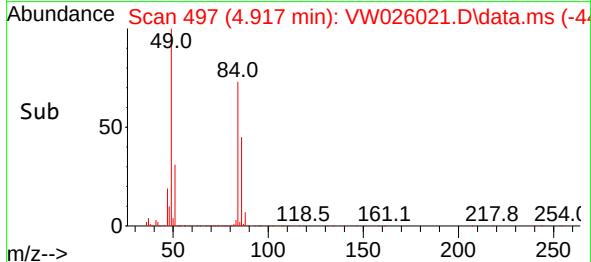
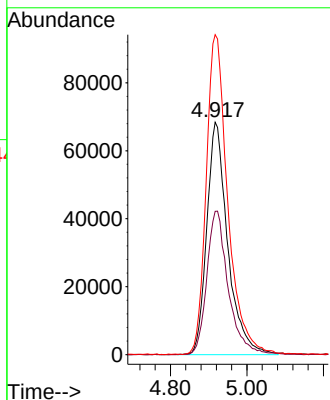
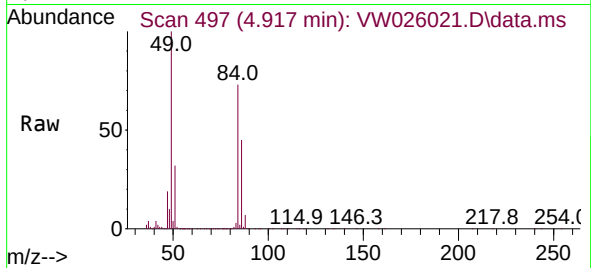




#16
Methylene chloride
Concen: 16.619 ug/L
RT: 4.917 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

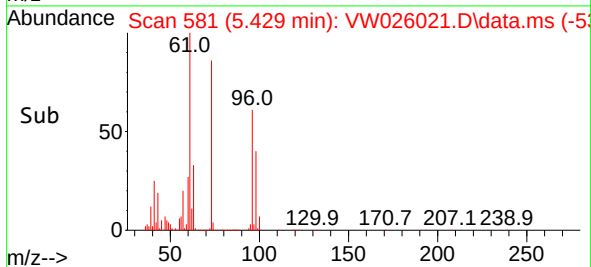
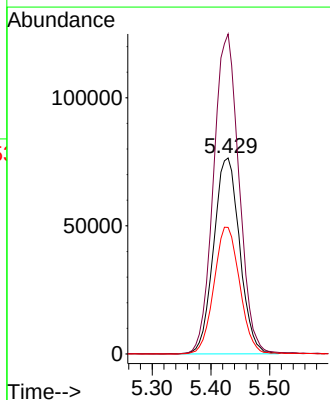
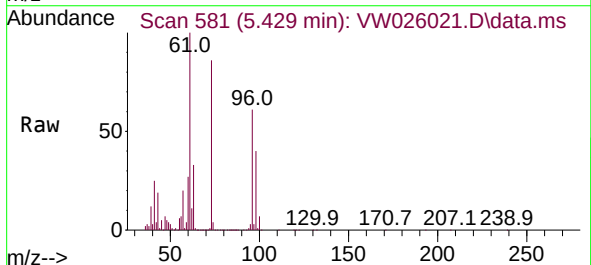
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

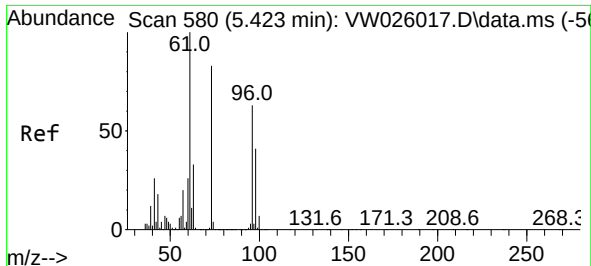
Tgt Ion: 84 Resp: 260660
Ion Ratio Lower Upper
84 100
86 61.7 41.7 77.5
49 137.7 95.3 177.1



#17
trans-1,2-Dichloroethene
Concen: 21.209 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 96 Resp: 235341
Ion Ratio Lower Upper
96 100
61 163.3 108.1 200.9
98 64.6 44.0 81.8

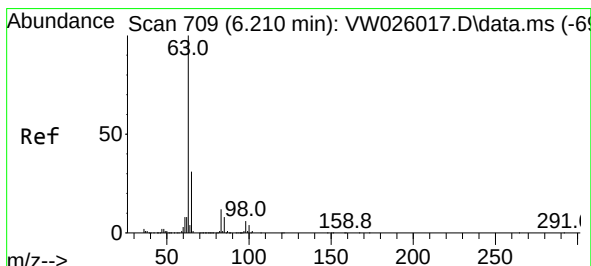
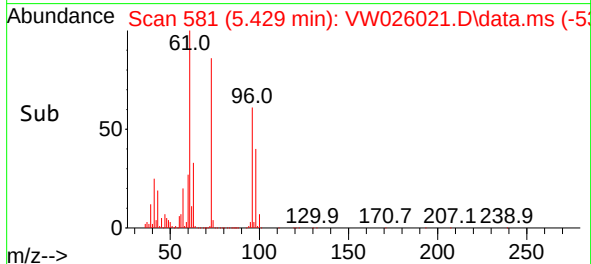
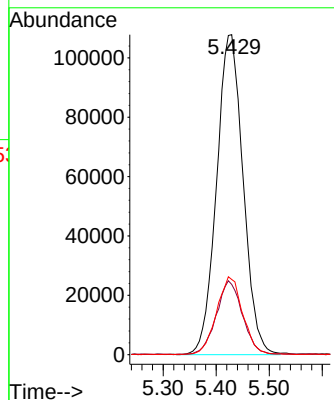
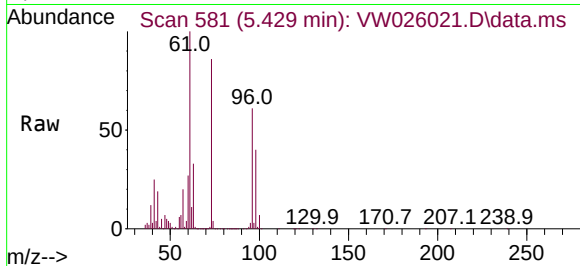




#18
Methyl tert-butyl Ether
Concen: 22.255 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

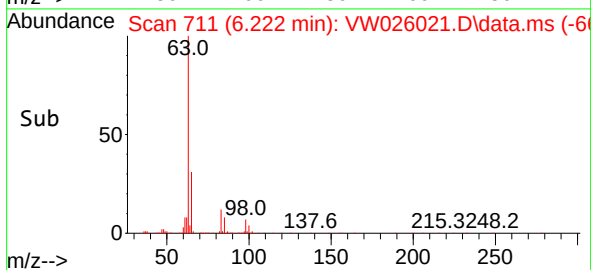
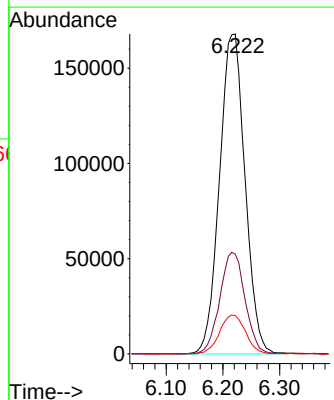
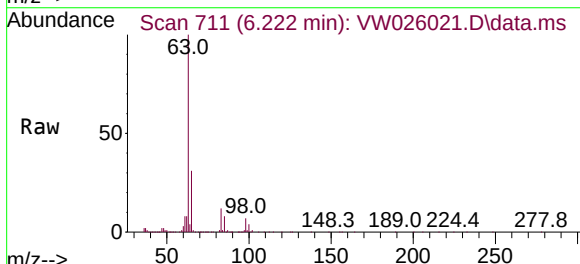
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

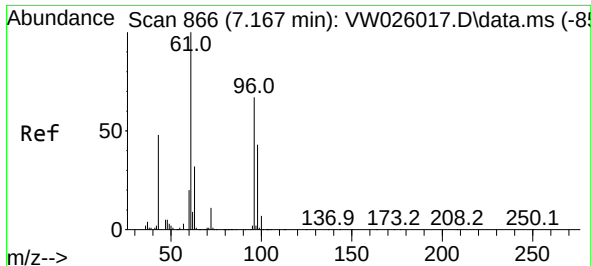
Tgt Ion: 73 Resp: 374794
Ion Ratio Lower Upper
73 100
43 22.5 18.2 27.4
57 23.8 19.2 28.8



#19
1,1-Dichloroethane
Concen: 23.027 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.012 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 63 Resp: 524964
Ion Ratio Lower Upper
63 100
65 31.3 22.4 41.6
83 12.0 8.7 16.1

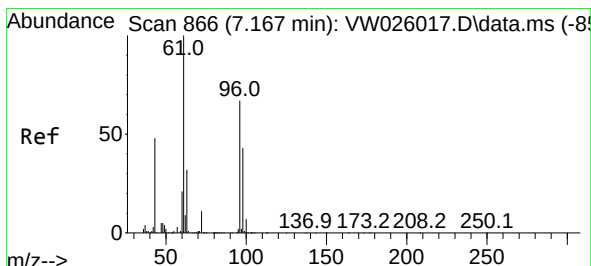
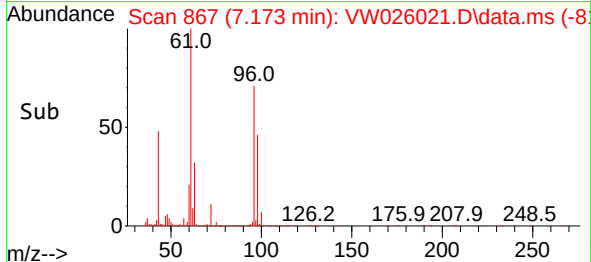
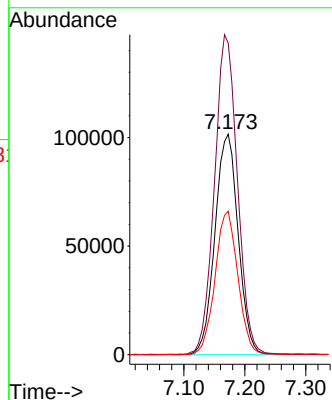
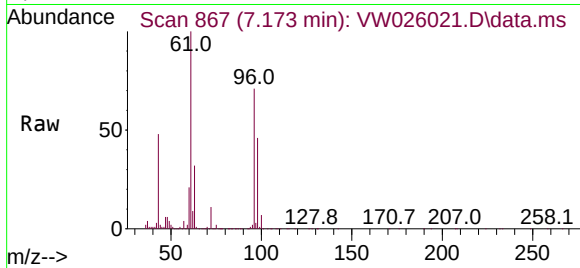




#20
 cis-1,2-Dichloroethene
 Concen: 22.649 ug/L
 RT: 7.173 min Scan# 867
 Delta R.T. 0.006 min
 Lab File: VW026021.D
 Acq: 22 May 2023 11:18

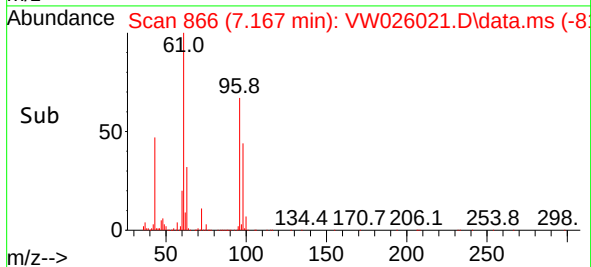
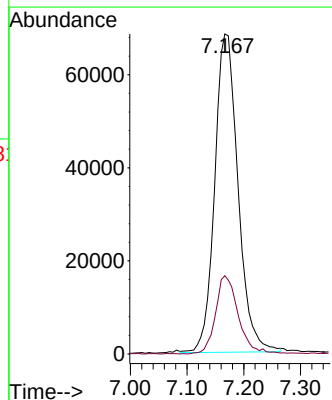
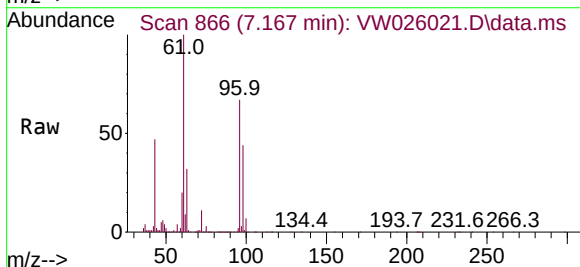
Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

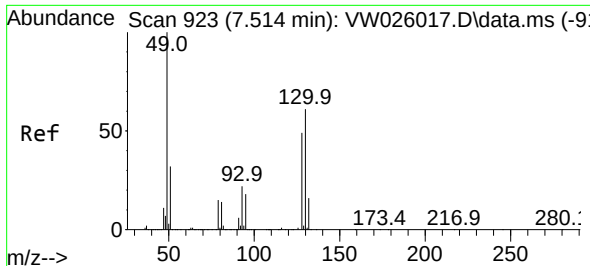
Tgt Ion: 96 Resp: 269625
 Ion Ratio Lower Upper
 96 100
 61 141.4 98.6 183.0
 98 65.1 45.2 84.0



#22
 2-Butanone
 Concen: 44.799 ug/L
 RT: 7.167 min Scan# 866
 Delta R.T. -0.000 min
 Lab File: VW026021.D
 Acq: 22 May 2023 11:18

Tgt Ion: 43 Resp: 195420
 Ion Ratio Lower Upper
 43 100
 72 23.4 11.8 35.4

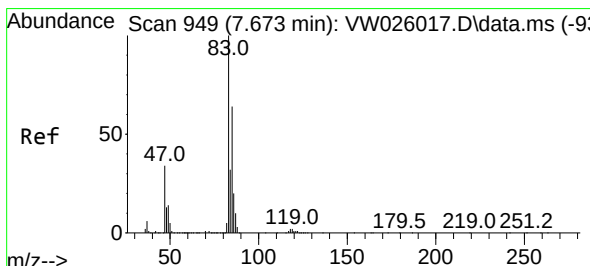
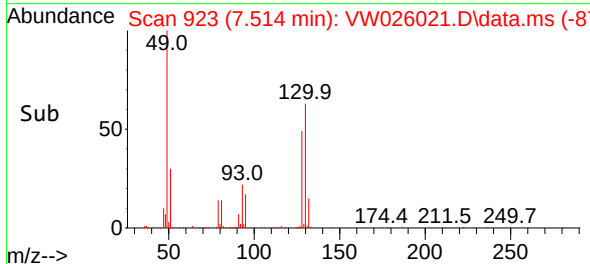
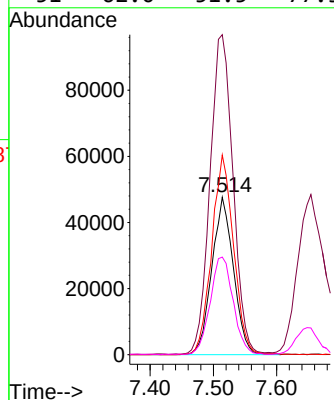
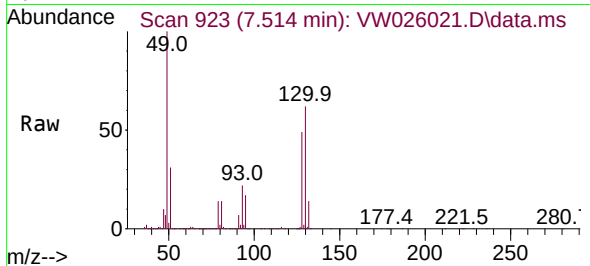




#23
Bromochloromethane
Concen: 22.447 ug/L
RT: 7.514 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

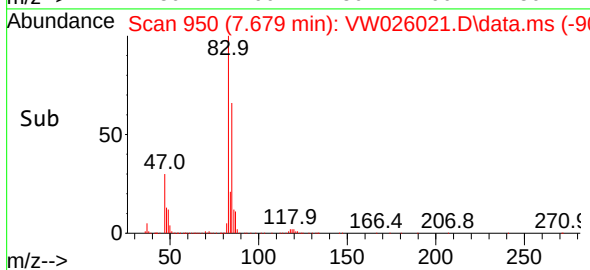
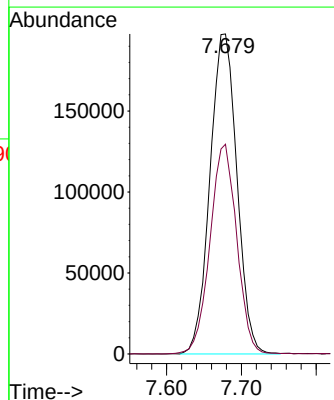
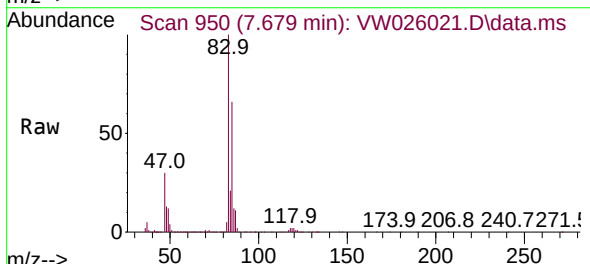
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

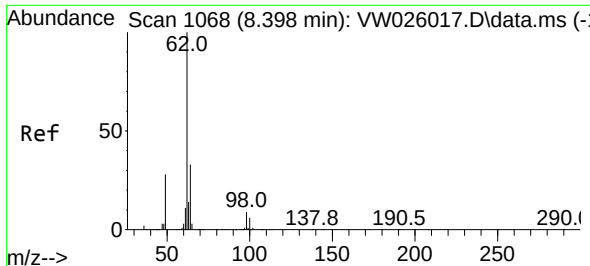
Tgt Ion:	128	Resp:	113206
Ion	Ratio	Lower	Upper
128	100		
49	203.3	151.5	281.5
130	126.8	91.3	169.6
51	62.0	51.5	77.3



#25
Chloroform
Concen: 23.687 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion:	83	Resp:	496314
Ion	Ratio	Lower	Upper
83	100		
85	65.6	45.1	83.9





#27

1,2-Dichloroethane

Concen: 22.262 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

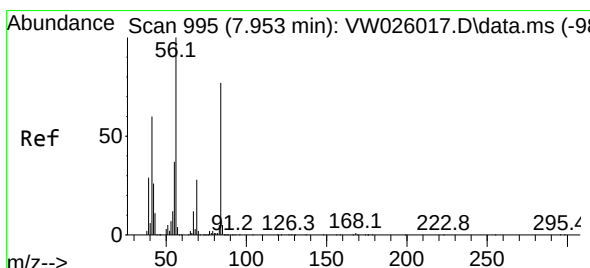
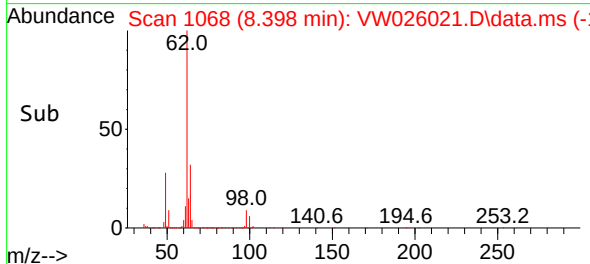
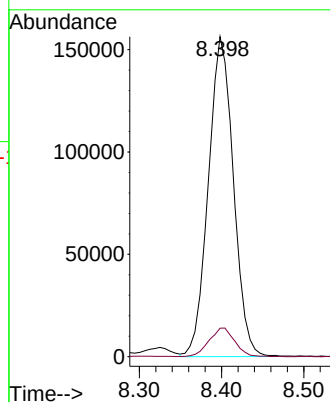
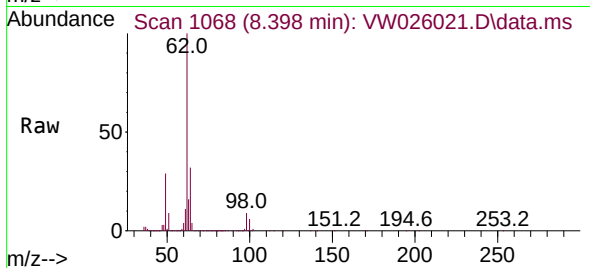
H0FJ2MS

Tgt Ion: 62 Resp: 331270

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8



#29

Cyclohexane

Concen: 20.982 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.006 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

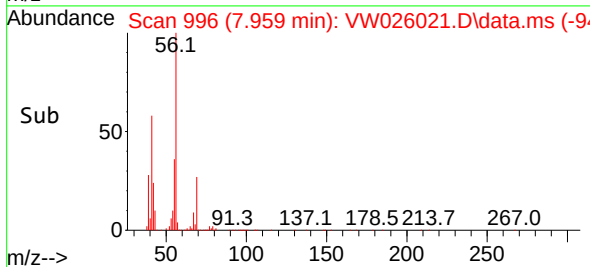
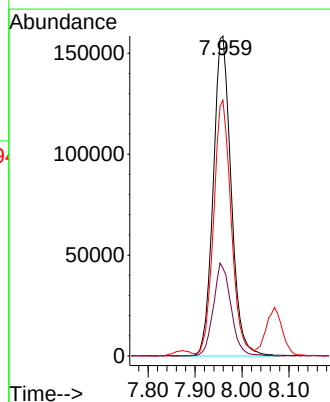
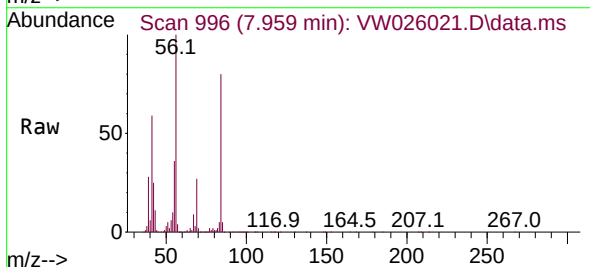
Tgt Ion: 56 Resp: 420083

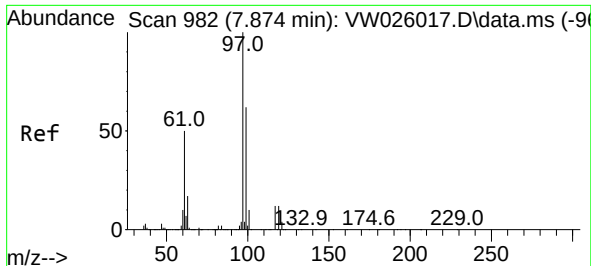
Ion Ratio Lower Upper

56 100

69 28.5 23.4 35.0

84 78.7 63.3 94.9





#30

1,1,1-Trichloroethane

Concen: 23.930 ug/L

RT: 7.874 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

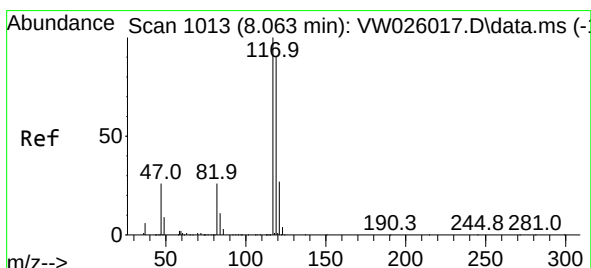
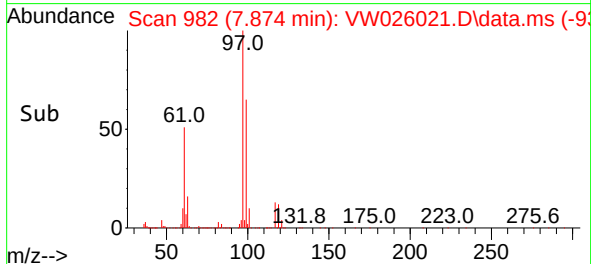
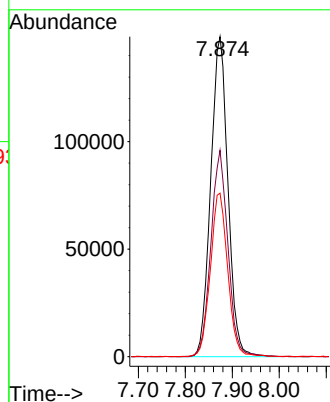
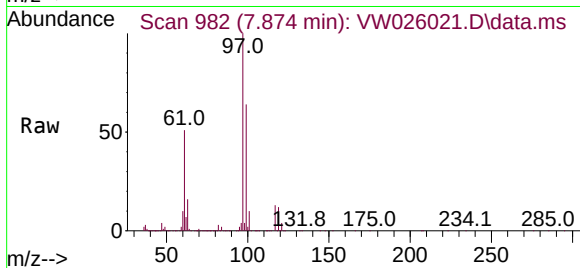
Tgt Ion: 97 Resp: 378104

Ion Ratio Lower Upper

97 100

99 63.8 51.1 76.7

61 51.3 40.4 60.6



#31

Carbon tetrachloride

Concen: 22.838 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW026021.D

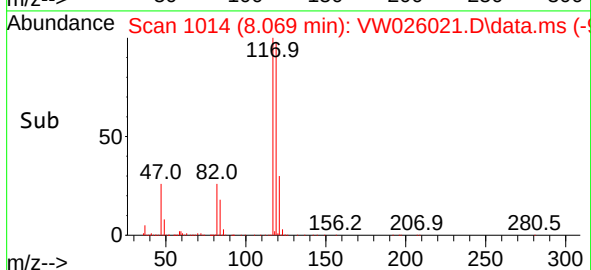
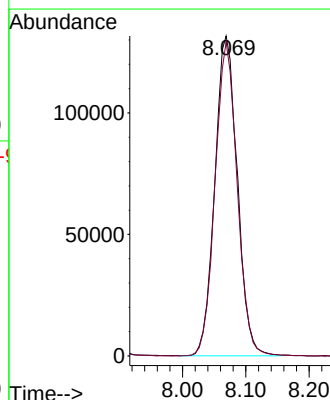
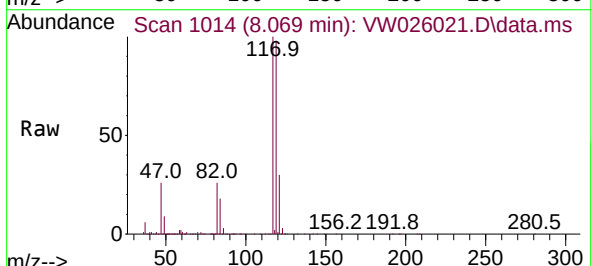
Acq: 22 May 2023 11:18

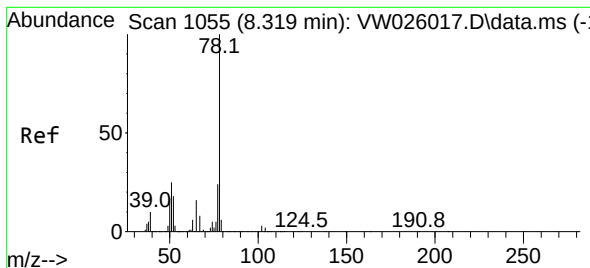
Tgt Ion: 117 Resp: 324736

Ion Ratio Lower Upper

117 100

119 96.5 76.9 115.3





#33

Benzene

Concen: 24.003 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

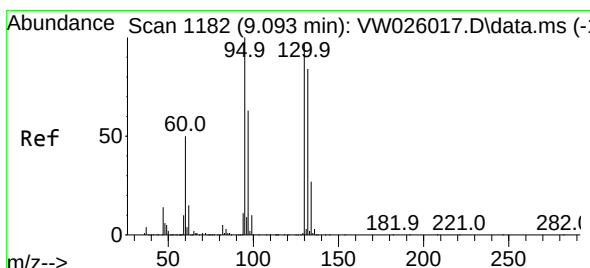
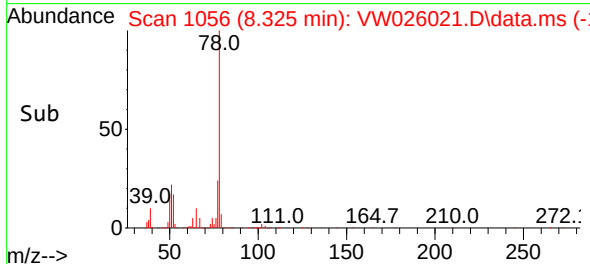
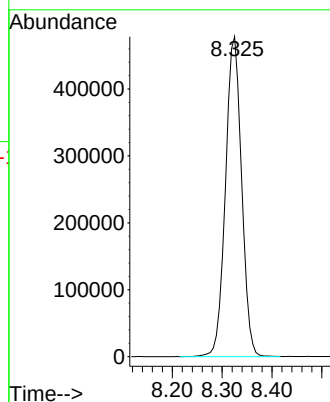
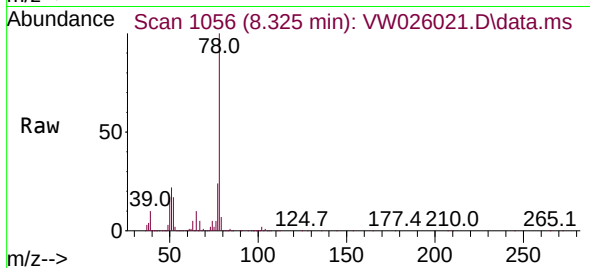
Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

Tgt Ion: 78 Resp: 1072877



#34

Trichloroethene

Concen: 22.978 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Tgt Ion: 95 Resp: 263551

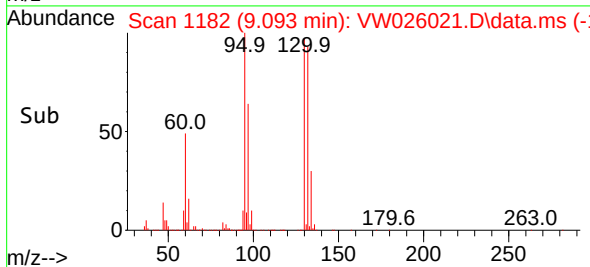
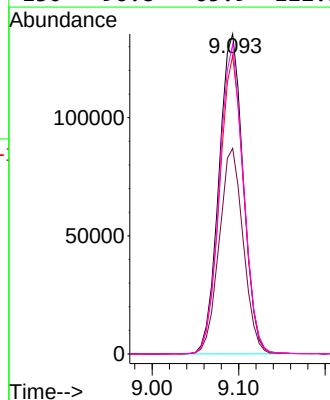
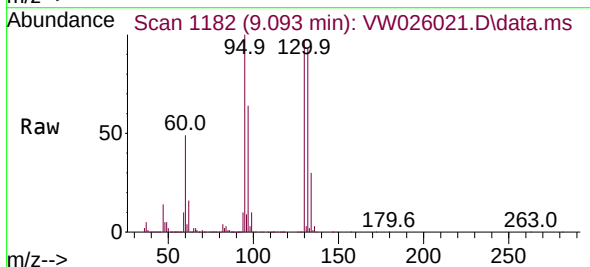
Ion Ratio Lower Upper

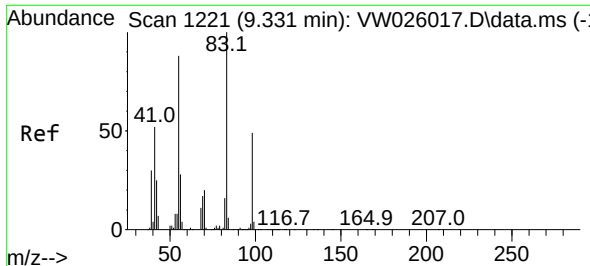
95 100

97 64.2 45.9 85.3

132 93.2 66.0 122.6

130 96.8 65.9 122.3

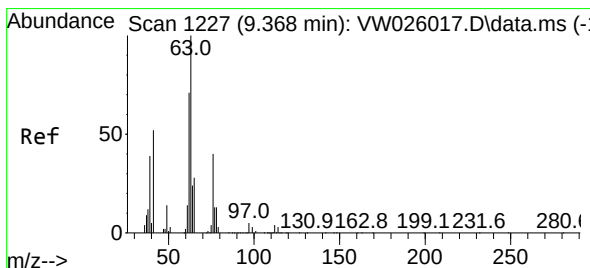
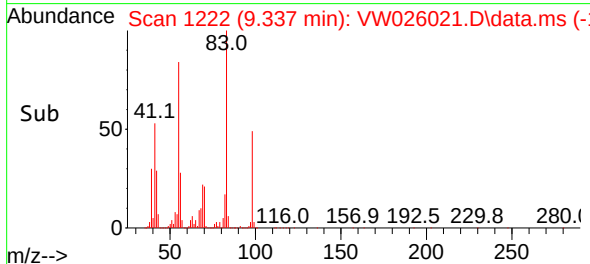
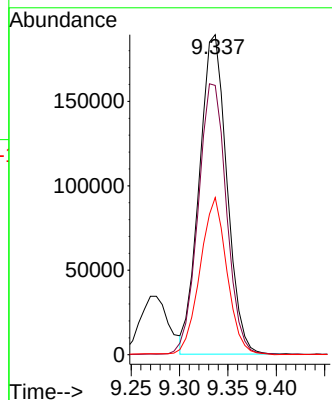
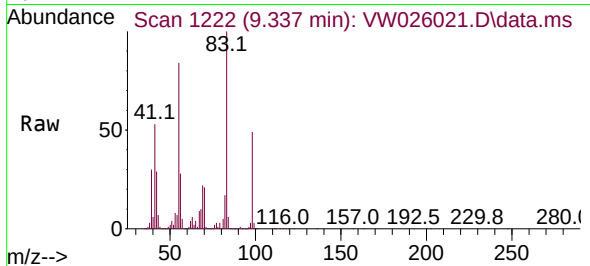




#35
Methylcyclohexane
Concen: 18.423 ug/L
RT: 9.337 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

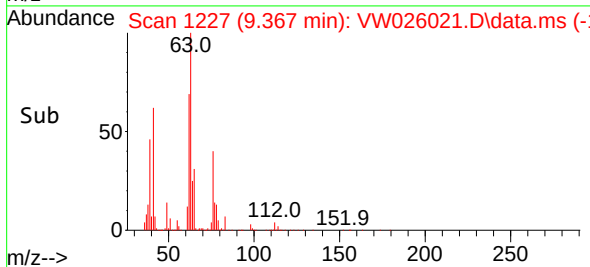
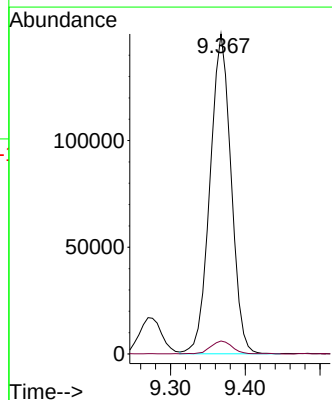
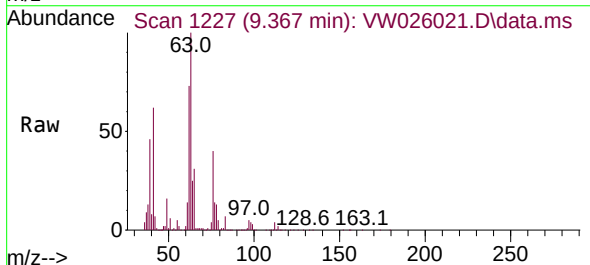
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

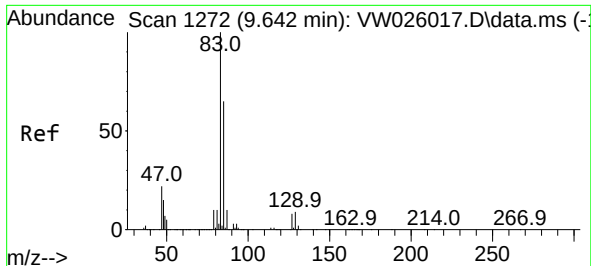
Tgt Ion: 83 Resp: 375829
Ion Ratio Lower Upper
83 100
55 87.0 69.0 103.4
98 47.9 37.1 55.7



#37
1,2-Dichloropropane
Concen: 24.030 ug/L
RT: 9.367 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 63 Resp: 294271
Ion Ratio Lower Upper
63 100
112 4.1 3.3 4.9

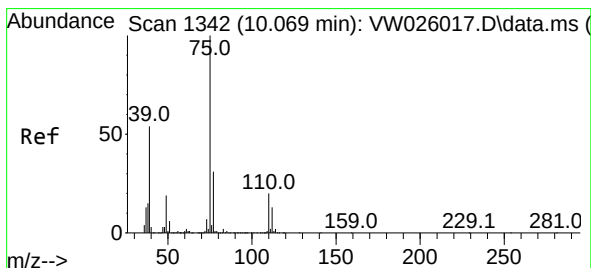
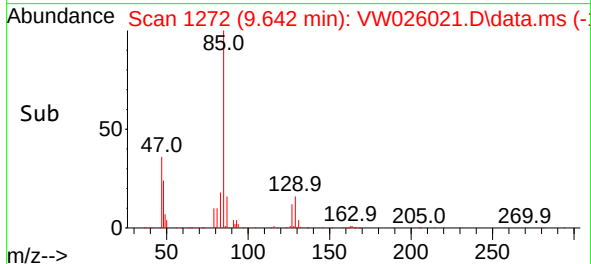
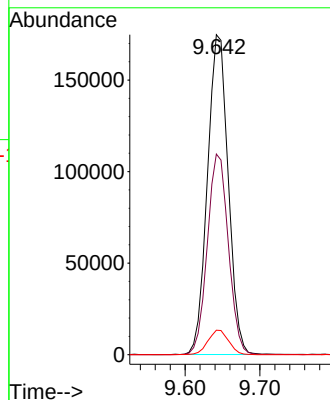
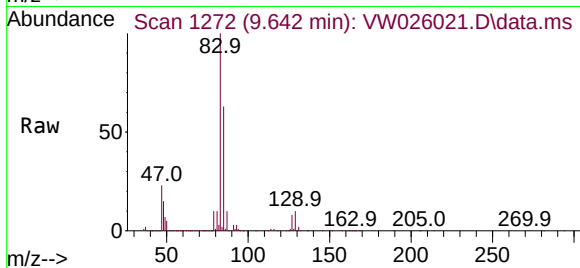




#38
Bromodichloromethane
Concen: 23.994 ug/L
RT: 9.642 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

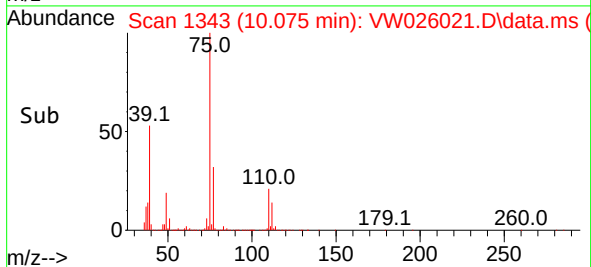
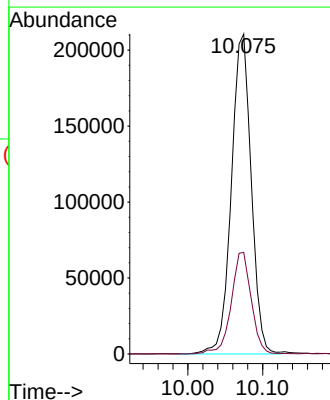
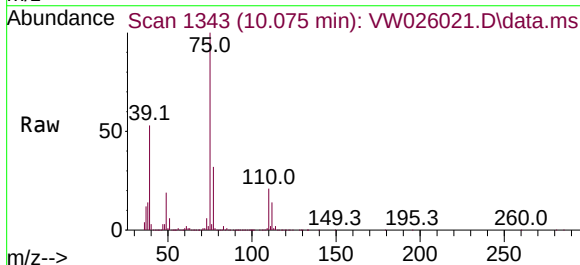
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

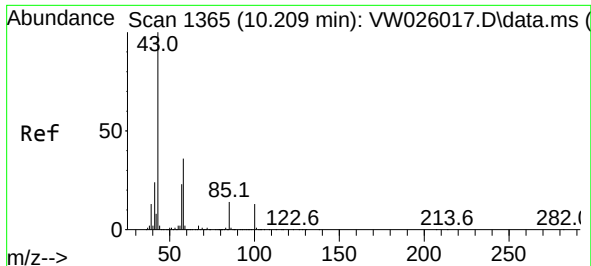
Tgt Ion: 83 Resp: 337113
Ion Ratio Lower Upper
83 100
85 62.7 44.4 82.5
127 7.7 6.5 9.7



#39
cis-1,3-Dichloropropene
Concen: 21.640 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 75 Resp: 388622
Ion Ratio Lower Upper
75 100
77 31.7 22.4 41.6





#40

4-Methyl-2-pentanone

Concen: 44.197 ug/L

RT: 10.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

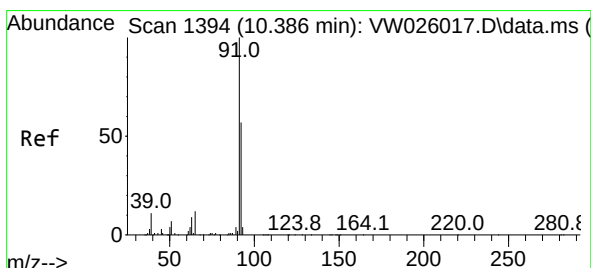
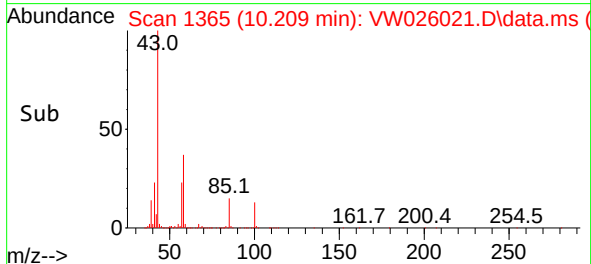
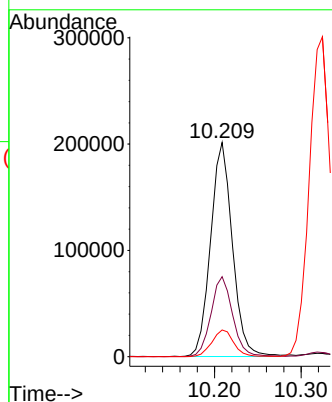
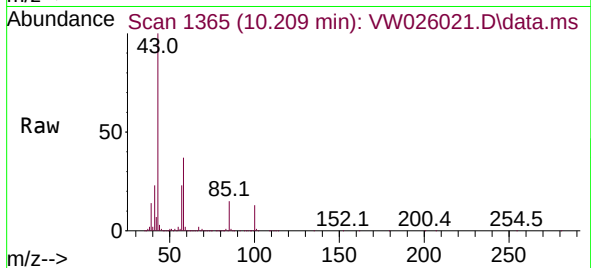
Tgt Ion: 43 Resp: 352301

Ion Ratio Lower Upper

43 100

58 37.1 29.4 44.0

100 12.7 10.1 15.1



#42

Toluene

Concen: 24.128 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW026021.D

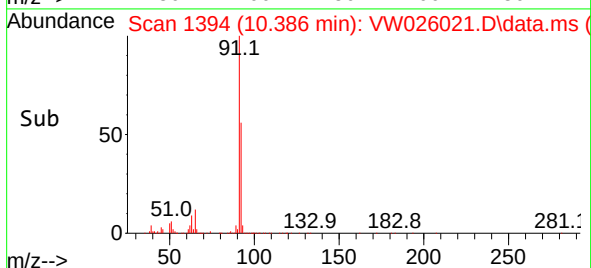
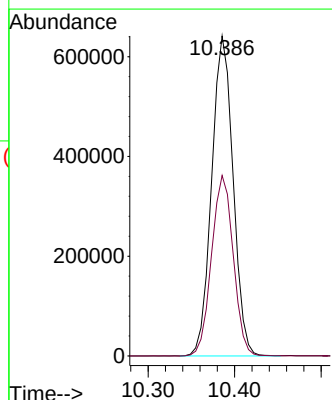
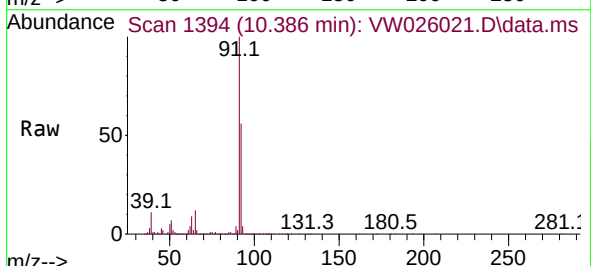
Acq: 22 May 2023 11:18

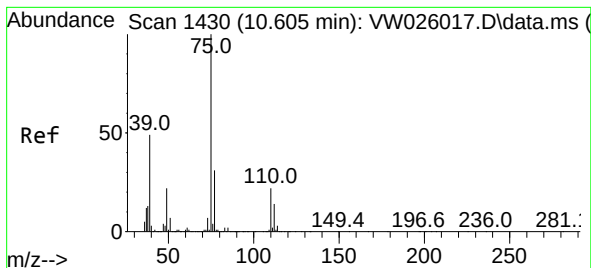
Tgt Ion: 91 Resp: 1101984

Ion Ratio Lower Upper

91 100

92 56.4 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 22.330 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

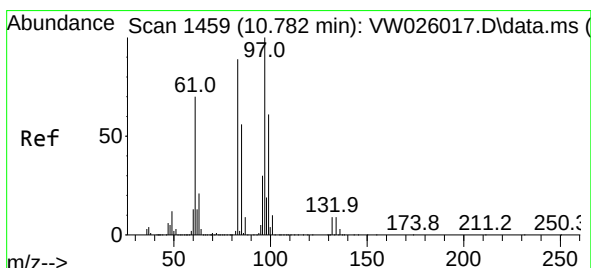
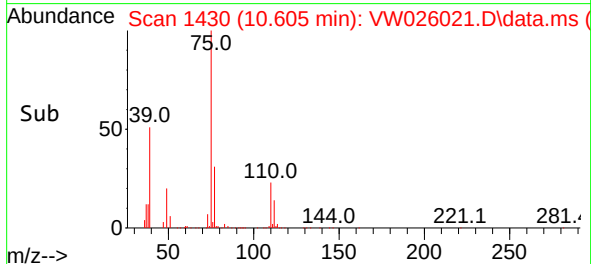
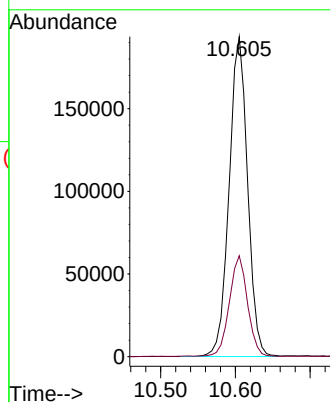
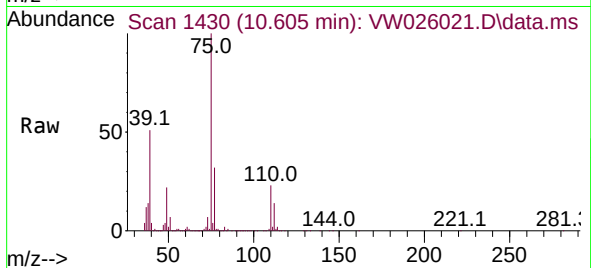
H0FJ2MS

Tgt Ion: 75 Resp: 332288

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4



#45

1,1,2-Trichloroethane

Concen: 23.419 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Tgt Ion: 97 Resp: 191846

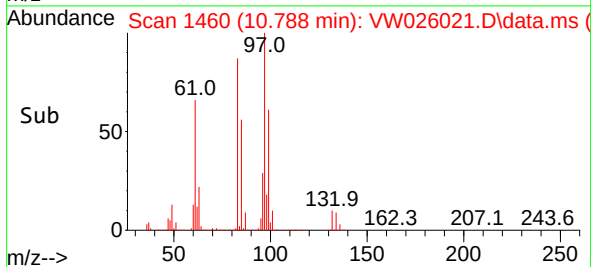
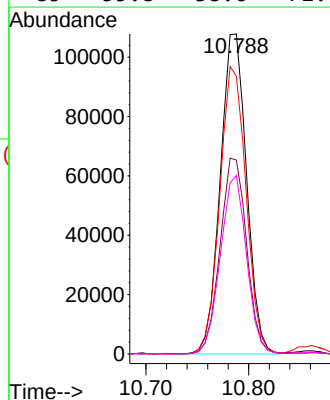
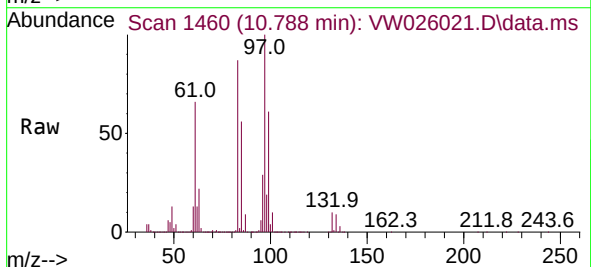
Ion Ratio Lower Upper

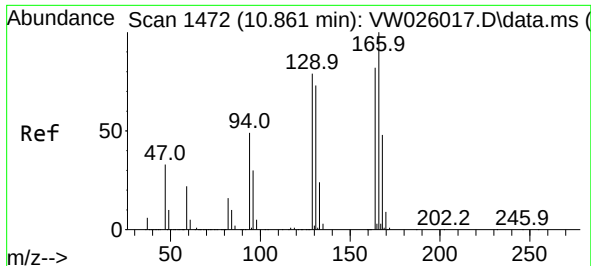
97 100

99 60.6 44.5 82.7

83 86.8 63.0 117.0

85 55.8 38.6 71.8



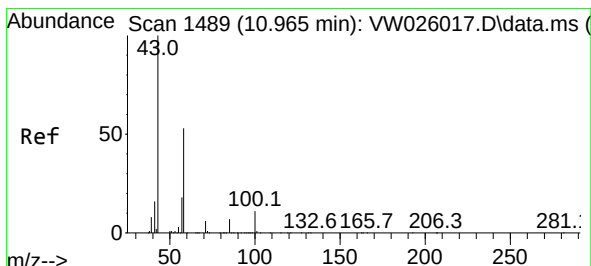
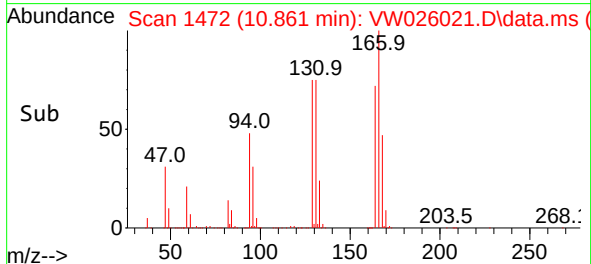
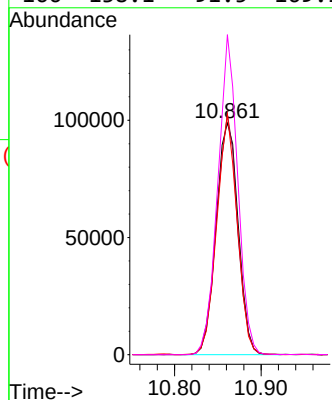
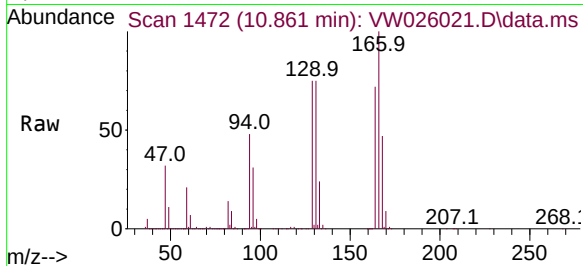


#46
Tetrachloroethene
Concen: 21.746 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

Tgt Ion:164 Resp: 175474

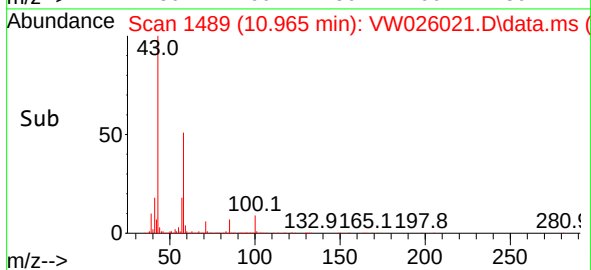
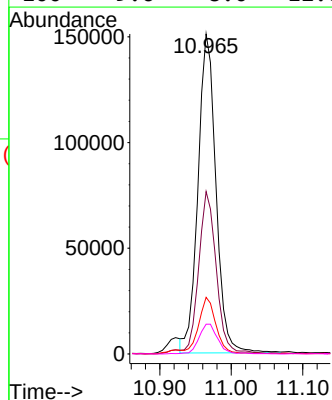
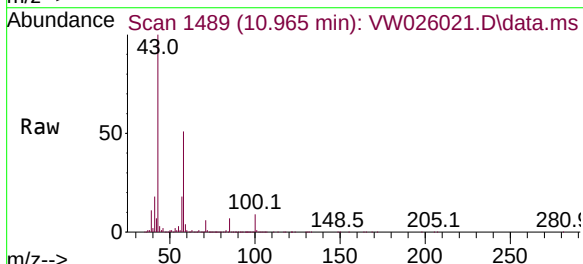
Ion	Ratio	Lower	Upper
164	100		
129	103.8	74.3	138.1
131	103.8	71.3	132.3
166	138.1	91.5	169.9

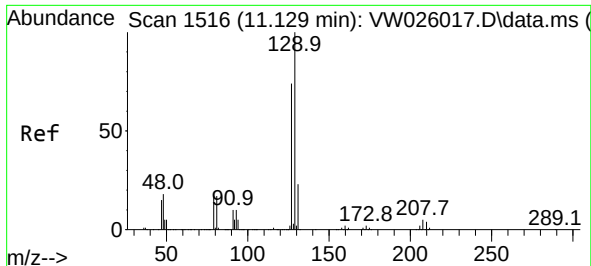


#48
2-Hexanone
Concen: 46.196 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion: 43 Resp: 263797

Ion	Ratio	Lower	Upper
43	100		
58	47.0	40.8	61.2
57	16.8	13.6	20.4
100	9.6	8.0	12.0





#49

Dibromochloromethane

Concen: 22.878 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

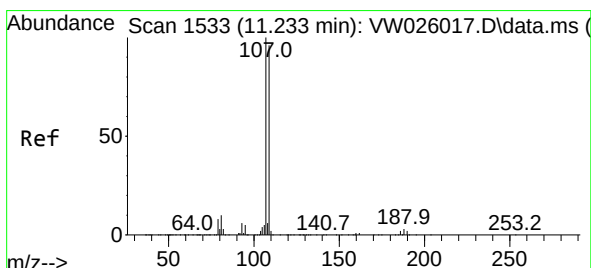
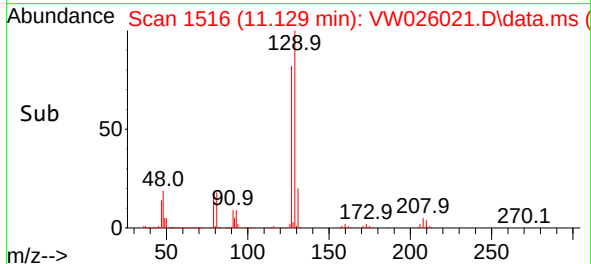
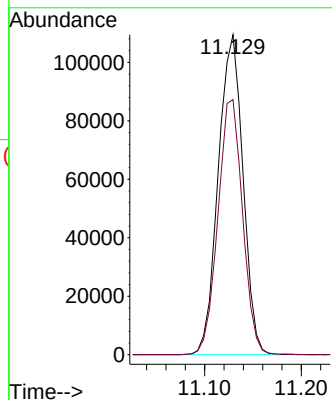
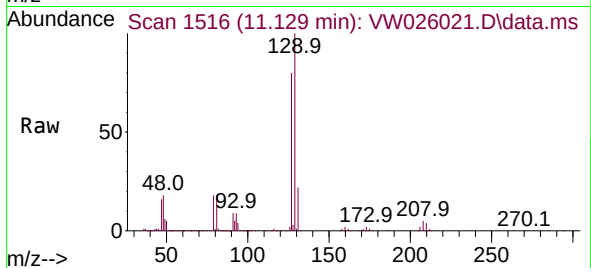
H0FJ2MS

Tgt Ion:129 Resp: 194025

Ion Ratio Lower Upper

129 100

127 79.7 56.1 104.3



#50

1,2-Dibromoethane

Concen: 22.247 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

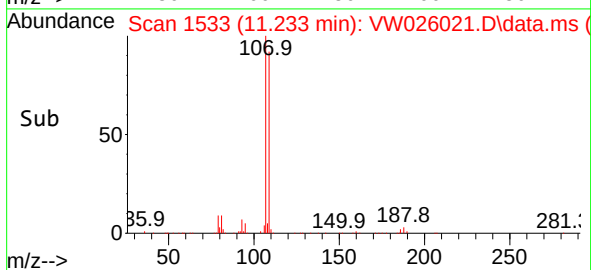
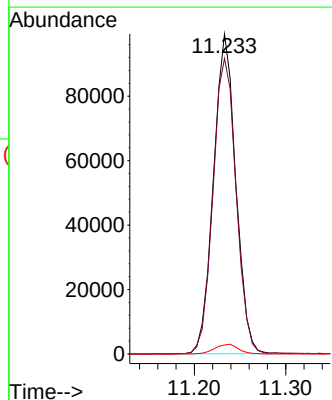
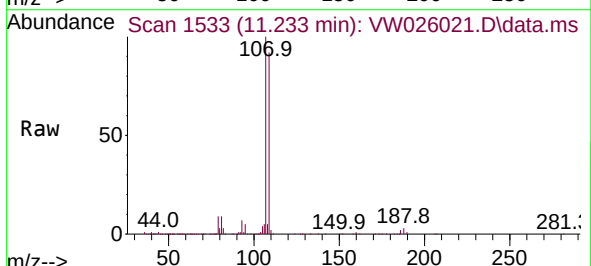
Tgt Ion:107 Resp: 168010

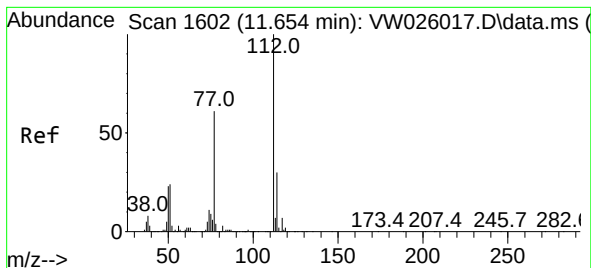
Ion Ratio Lower Upper

107 100

109 92.4 67.5 125.4

188 2.8 2.6 4.0





#51

Chlorobenzene

Concen: 22.643 ug/L

RT: 11.654 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

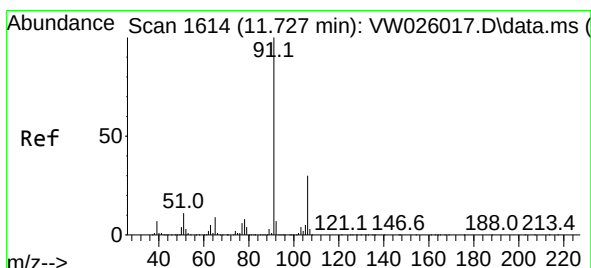
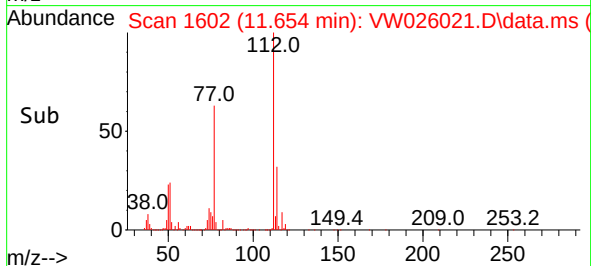
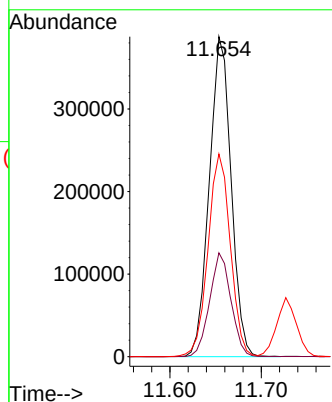
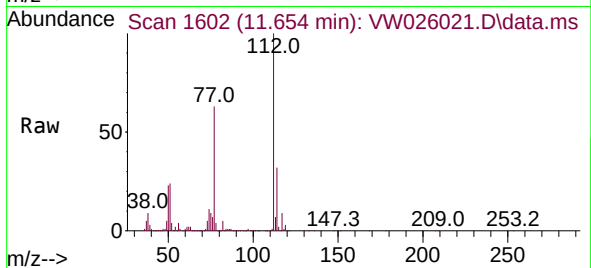
Tgt Ion:112 Resp: 640648

Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

77 63.4 53.0 79.6



#52

Ethylbenzene

Concen: 23.099 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW026021.D

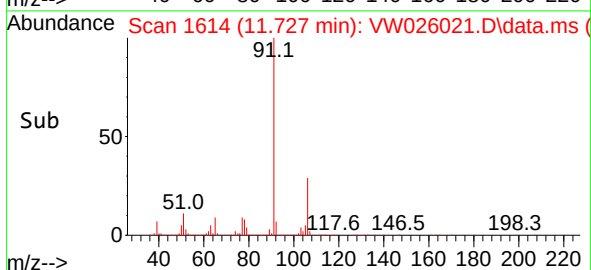
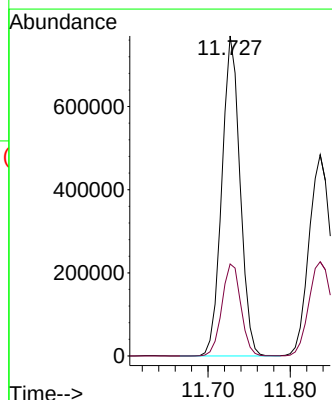
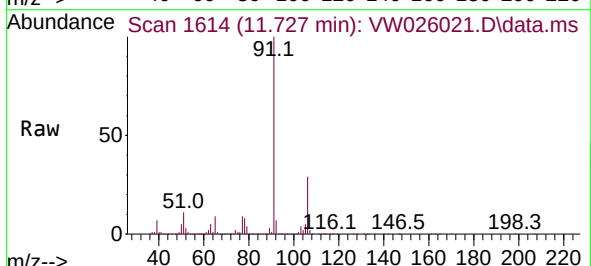
Acq: 22 May 2023 11:18

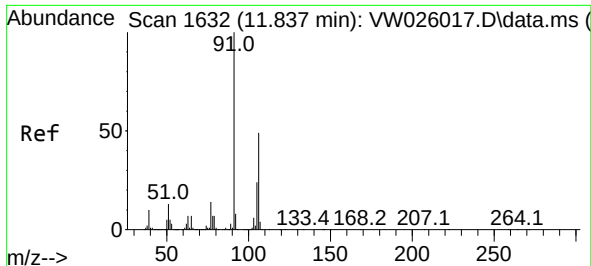
Tgt Ion: 91 Resp: 1186708

Ion Ratio Lower Upper

91 100

106 28.8 20.8 38.6

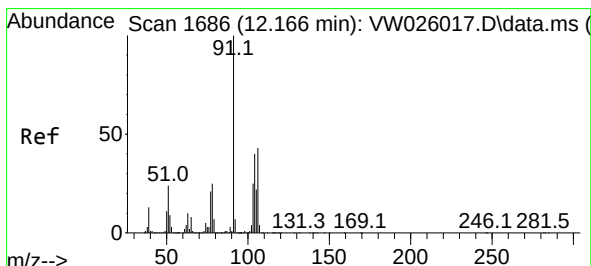
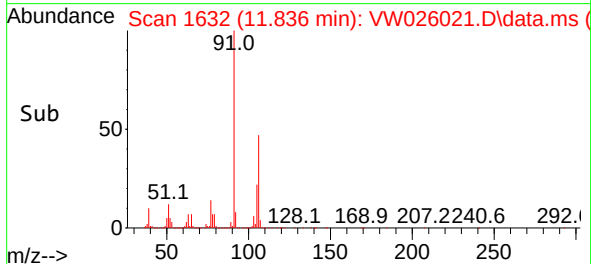
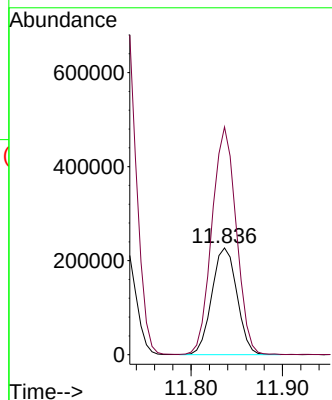
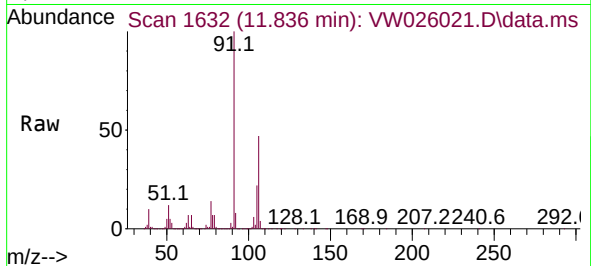




#53
m,p-Xylene
Concen: 22.931 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

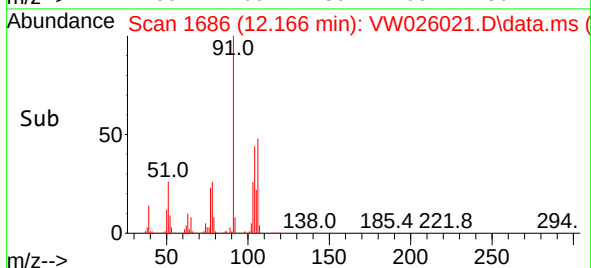
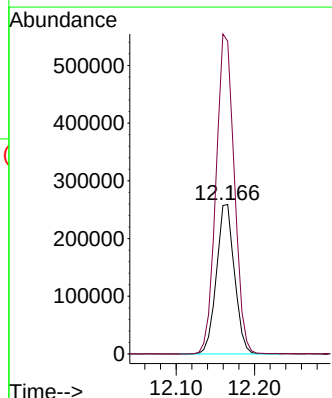
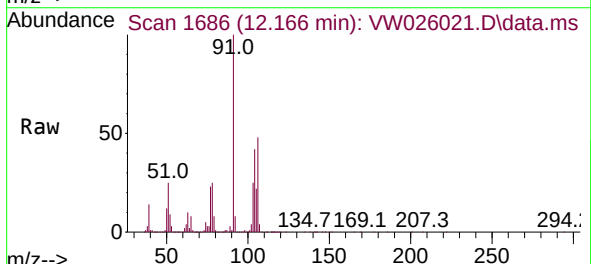
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

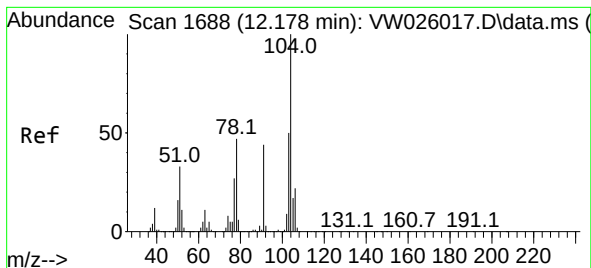
Tgt Ion:106 Resp: 433581
Ion Ratio Lower Upper
106 100
91 213.4 150.1 278.9



#54
o-Xylene
Concen: 23.272 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion:106 Resp: 414752
Ion Ratio Lower Upper
106 100
91 209.2 157.8 293.1





#55

Styrene

Concen: 22.538 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

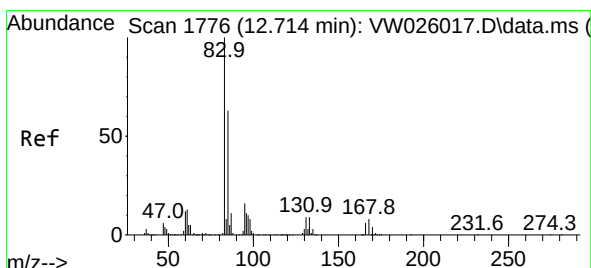
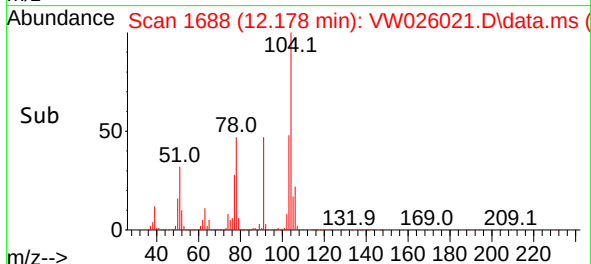
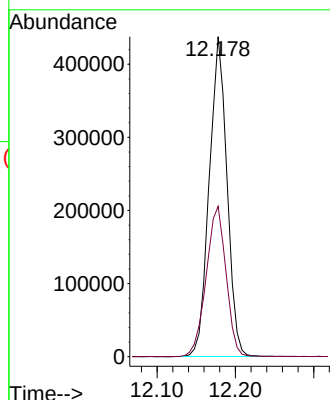
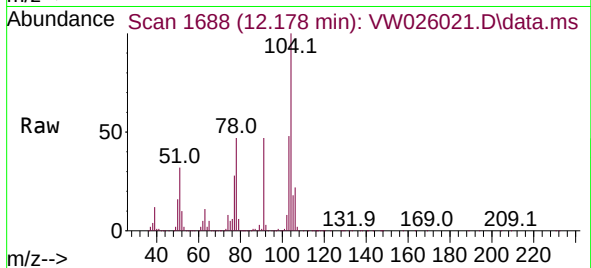
H0FJ2MS

Tgt Ion:104 Resp: 687500

Ion Ratio Lower Upper

104 100

78 47.0 33.4 62.0



#57

1,1,2,2-Tetrachloroethane

Concen: 21.740 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

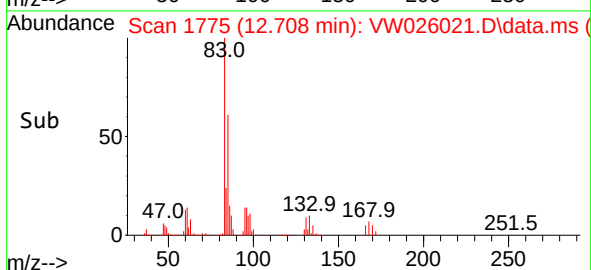
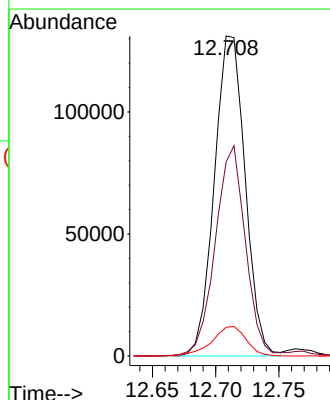
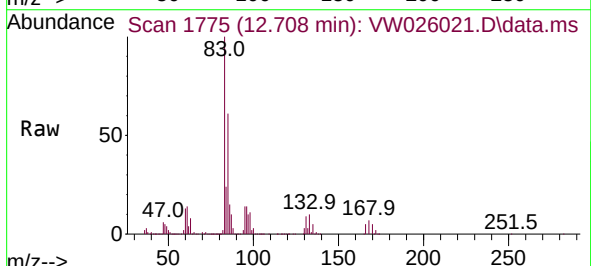
Tgt Ion: 83 Resp: 222212

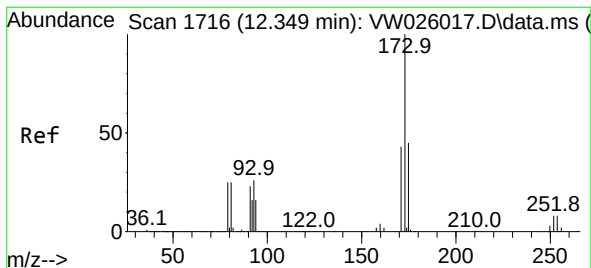
Ion Ratio Lower Upper

83 100

85 60.6 45.6 84.8

131 9.0 8.1 12.1





#59

Bromoform

Concen: 25.697 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

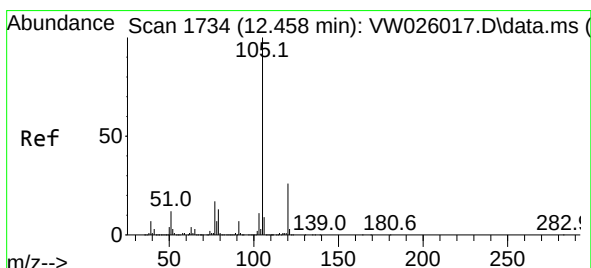
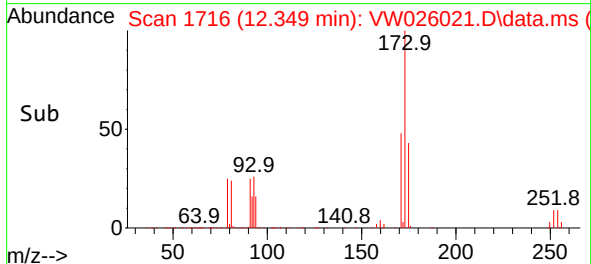
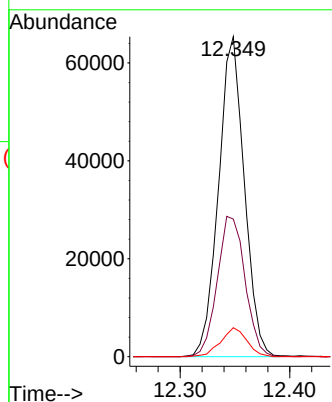
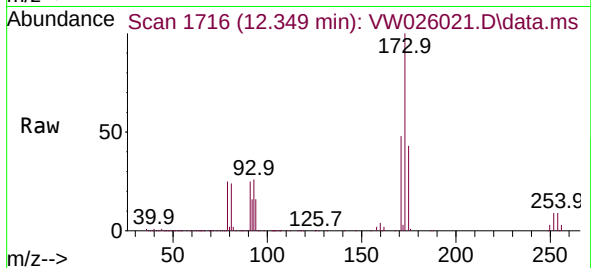
Tgt Ion:173 Resp: 106889

Ion Ratio Lower Upper

173 100

175 47.3 38.6 57.8

254 9.2 7.6 11.4



#60

Isopropylbenzene

Concen: 25.787 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

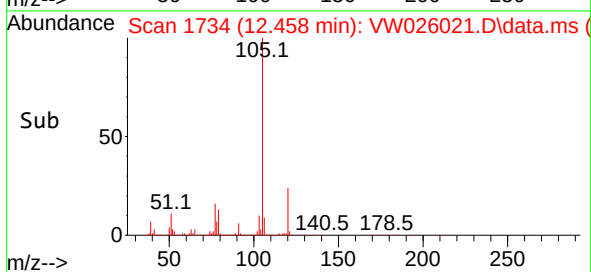
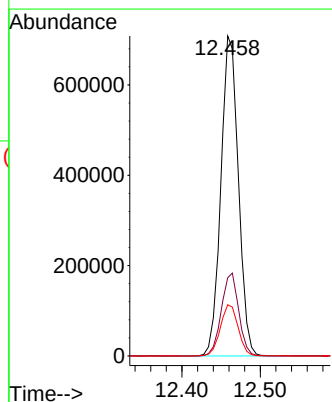
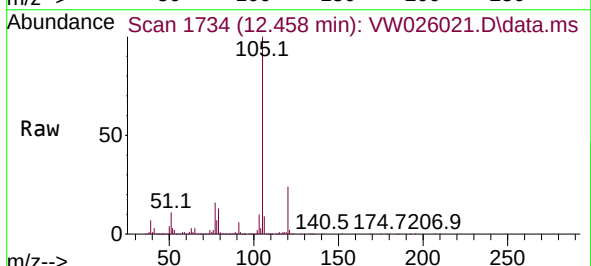
Tgt Ion:105 Resp: 1100748

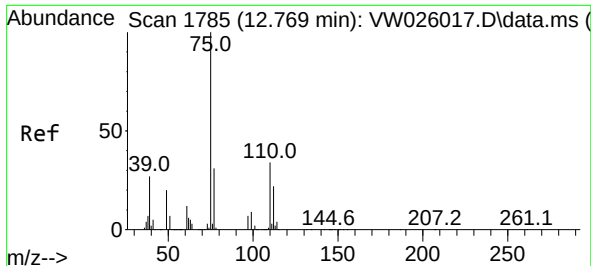
Ion Ratio Lower Upper

105 100

120 25.7 21.1 31.7

77 16.2 13.4 20.0





#61

1,2,3-Trichloropropane

Concen: 24.847 ug/L

RT: 12.763 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

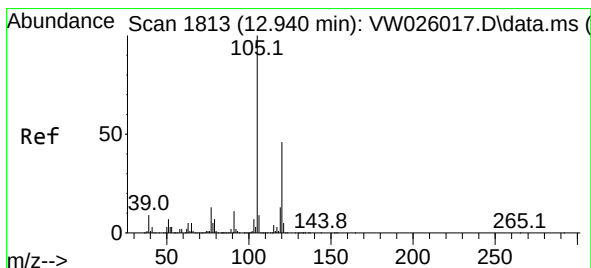
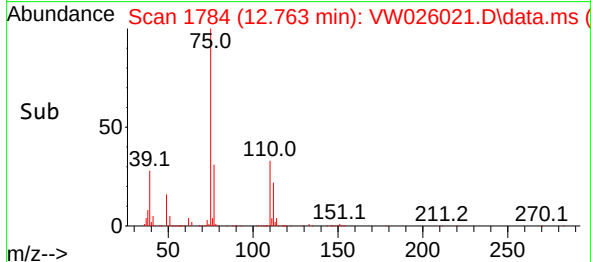
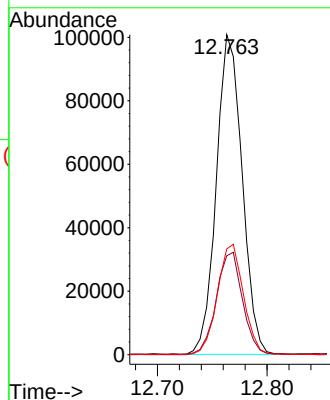
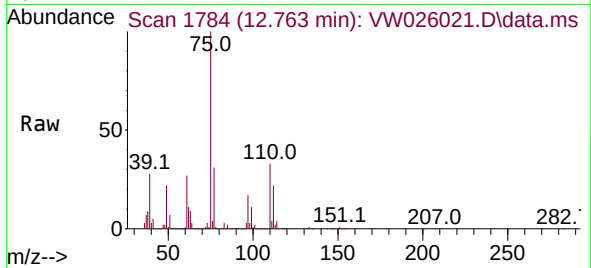
Tgt Ion: 75 Resp: 164907

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

110 34.9 27.6 41.4



#62

1,3,5-Trimethylbenzene

Concen: 24.869 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026021.D

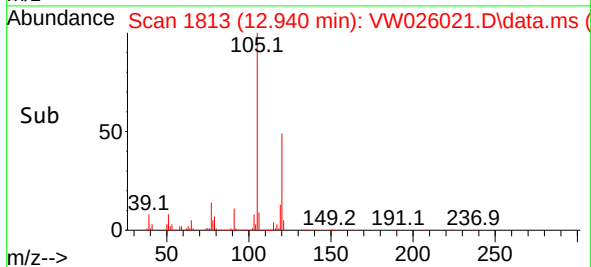
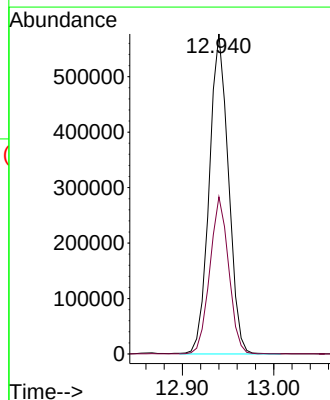
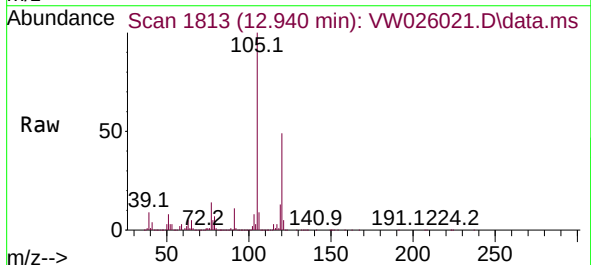
Acq: 22 May 2023 11:18

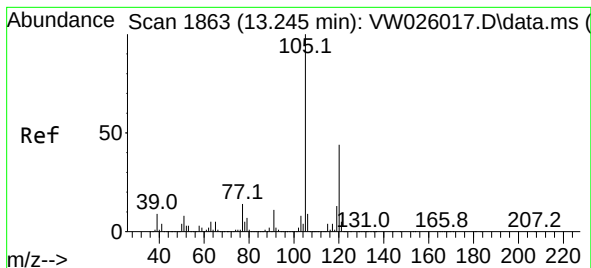
Tgt Ion:105 Resp: 840833

Ion Ratio Lower Upper

105 100

120 48.1 37.1 55.7





#63

1,2,4-Trimethylbenzene

Concen: 24.500 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

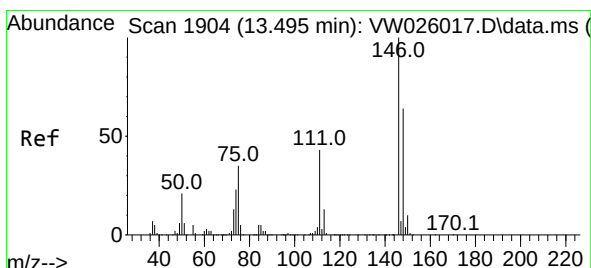
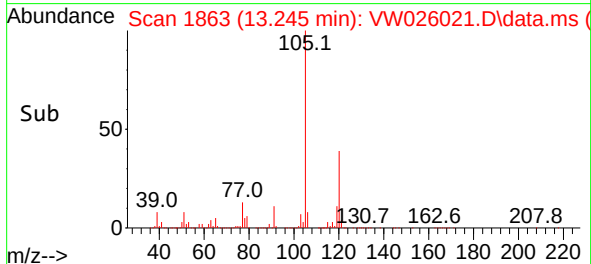
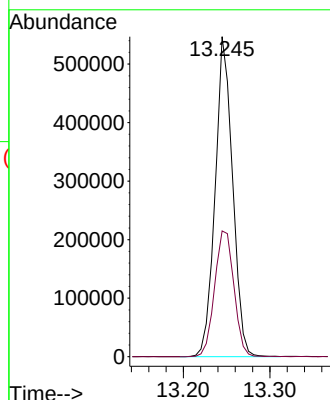
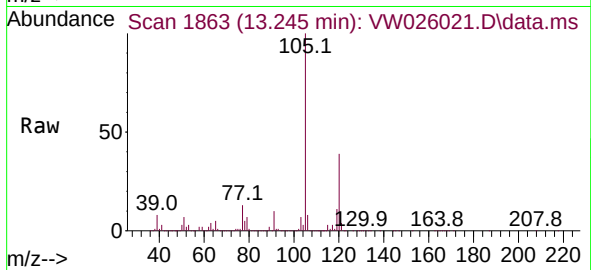
H0FJ2MS

Tgt Ion:105 Resp: 764400

Ion Ratio Lower Upper

105 100

120 43.6 34.7 52.1



#64

1,3-Dichlorobenzene

Concen: 22.018 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

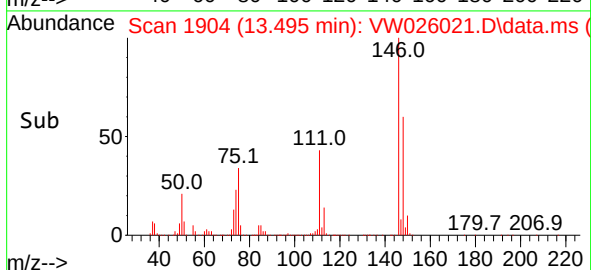
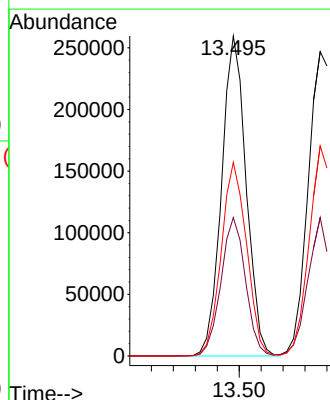
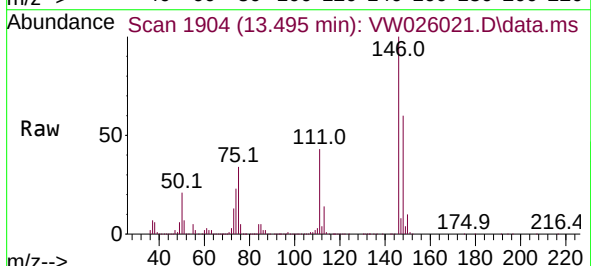
Tgt Ion:146 Resp: 404594

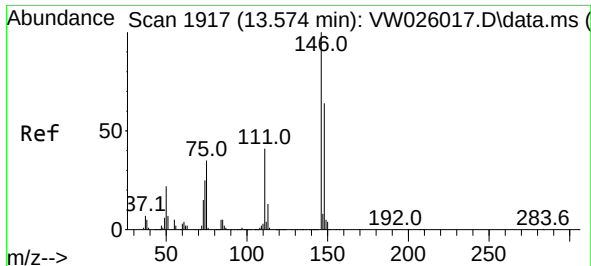
Ion Ratio Lower Upper

146 100

111 43.3 30.4 56.4

148 60.5 40.8 75.8

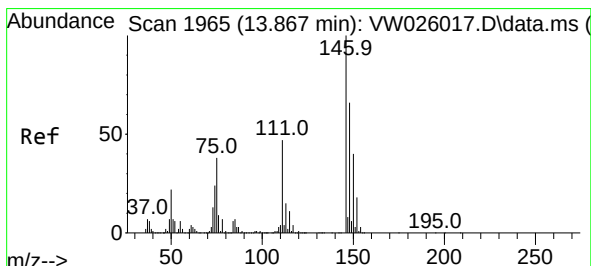
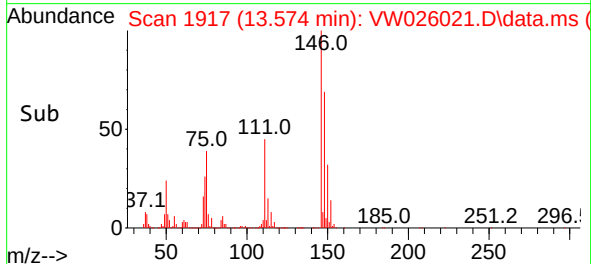
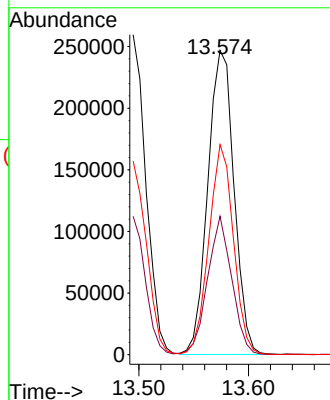
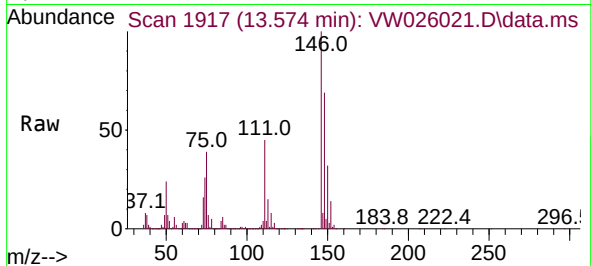




#65
1,4-Dichlorobenzene
Concen: 22.099 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

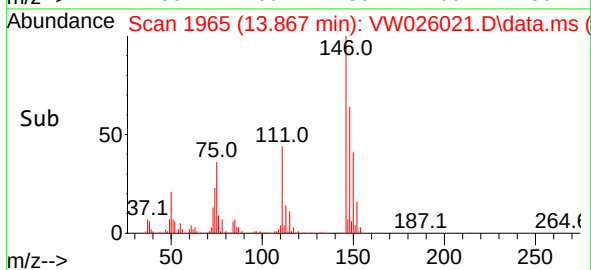
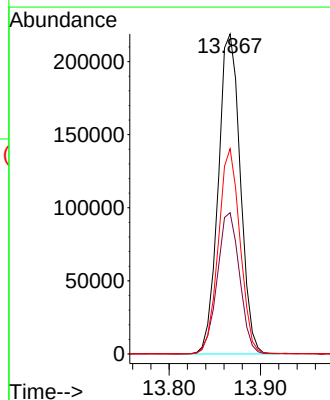
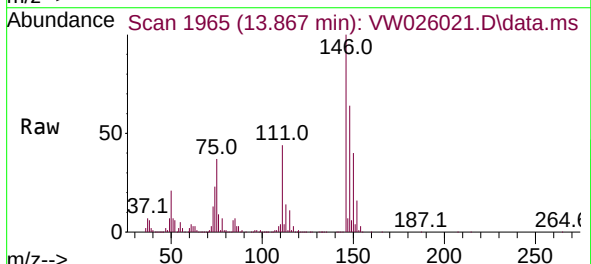
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

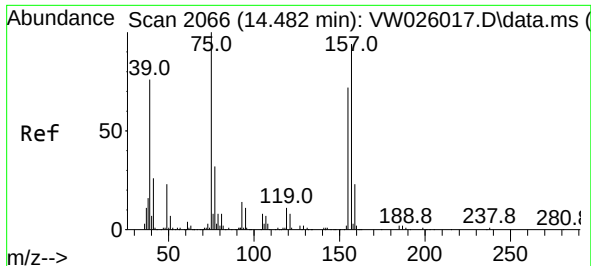
Tgt Ion:146 Resp: 410269
Ion Ratio Lower Upper
146 100
111 45.5 27.9 51.9
148 69.1 44.7 82.9



#67
1,2-Dichlorobenzene
Concen: 22.352 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion:146 Resp: 366298
Ion Ratio Lower Upper
146 100
111 44.2 37.7 56.5
148 64.2 49.4 74.0

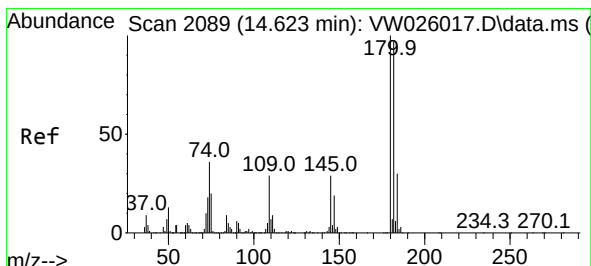
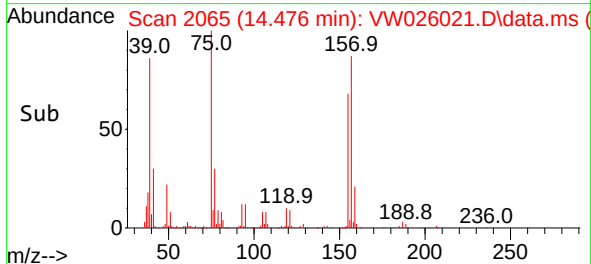
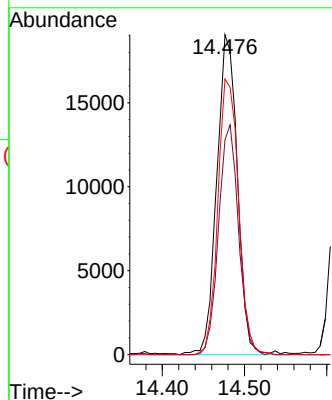
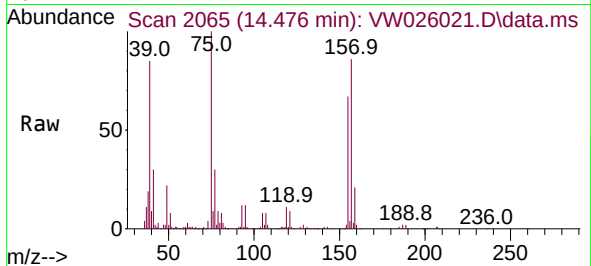




#68
1,2-Dibromo-3-chloropropane
Concen: 21.584 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

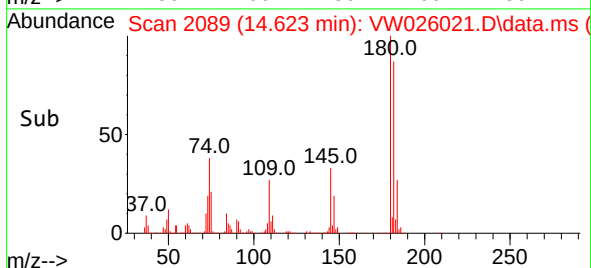
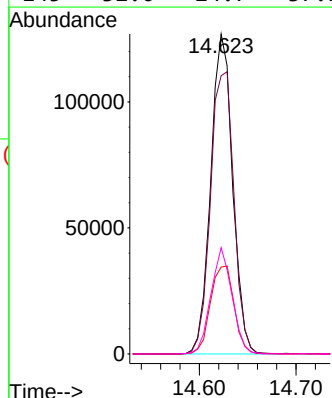
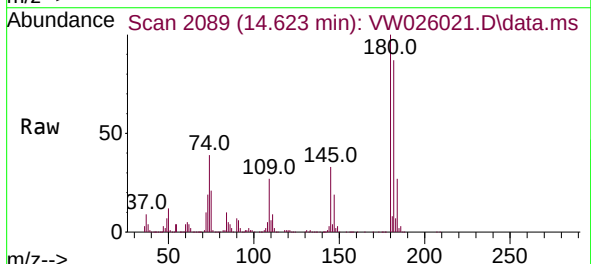
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

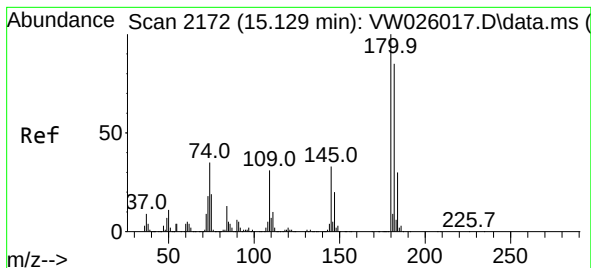
Tgt Ion: 75 Resp: 33218
Ion Ratio Lower Upper
75 100
155 67.1 56.3 84.5
157 86.1 66.3 99.5



#69
1,3,5-Trichlorobenzene
Concen: 16.372 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW026021.D
Acq: 22 May 2023 11:18

Tgt Ion:180 Resp: 199704
Ion Ratio Lower Upper
180 100
182 94.7 77.4 116.0
184 29.7 24.7 37.1
145 32.0 24.7 37.1





#70

1,2,4-trichlorobenzene

Concen: 14.414 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

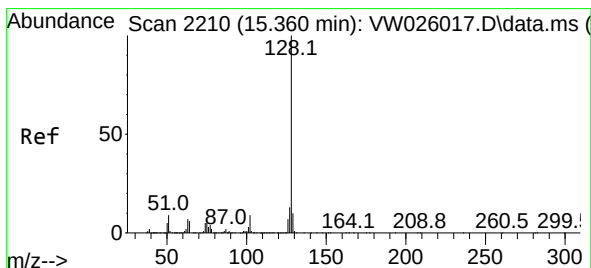
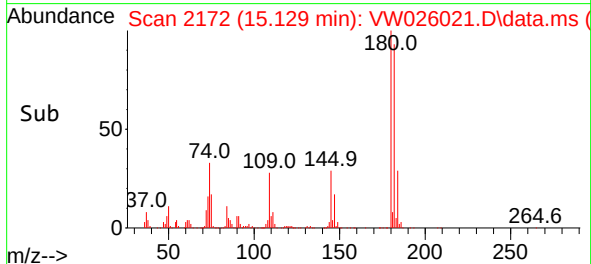
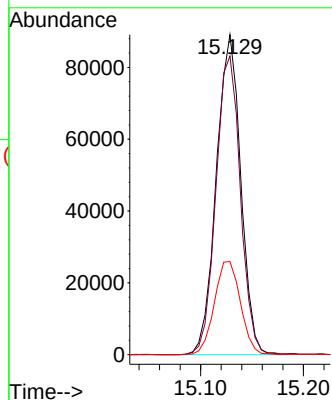
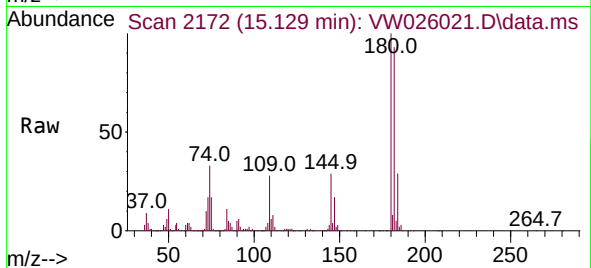
Tgt Ion:180 Resp: 147295

Ion Ratio Lower Upper

180 100

182 93.3 74.3 111.5

145 31.1 25.4 38.0



#71

Naphthalene

Concen: 15.418 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW026021.D

Acq: 22 May 2023 11:18

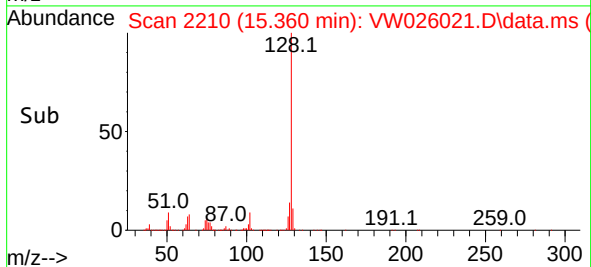
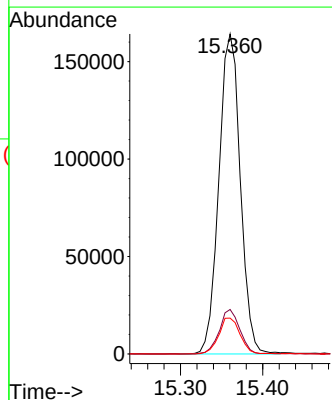
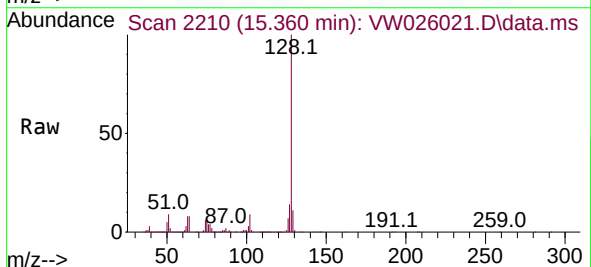
Tgt Ion:128 Resp: 297375

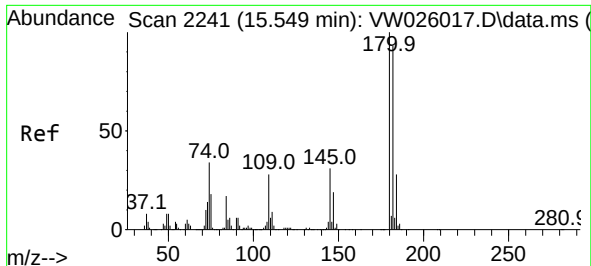
Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.1 8.5 12.7





#72
 1,2,3-Trichlorobenzene
 Concen: 12.934 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026021.D
 Acq: 22 May 2023 11:18

Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

Tgt Ion:180 Resp: 117277
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.1 114.1
 145 35.6 28.0 42.0

