

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062823\
 Data File : VW026403.D
 Acq On : 28 Jun 2023 17:09
 Operator : SY/MD
 Sample : 03421-23MSD
 Misc : 5.07g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46K6MSD

Quant Time: Jun 28 23:52:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 28 23:48:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	651359	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	448500	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	142166	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	248167	26.226	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.920%	
7) Chloroethane-d5	2.893	69	228901	34.028	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 136.120%	
11) 1,1-Dichloroethene-d2	4.015	65	112943	26.363	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 105.440%	
21) 2-Butanone-d5	7.075	46	192164	64.615	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 129.240%	
24) Chloroform-d	7.648	84	465944	25.244	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 100.960%	
26) 1,2-Dichloroethane-d4	8.306	65	294361	28.383	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 113.520%	
32) Benzene-d6	8.276	84	897471	32.328	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 129.320%	
36) 1,2-Dichloropropane-d6	9.270	67	291665	32.333	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 129.320%#	
41) Toluene-d8	10.324	98	701036	28.850	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 115.400%	
43) trans-1,3-Dichloroprop...	10.574	79	108583	29.980	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 119.920%	
47) 2-Hexanone-d5	10.922	63	125348	90.478	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 180.960%#	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	247650	34.870	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 139.480%#	
66) 1,2-Dichlorobenzene-d4	13.854	152	121040	24.453	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 97.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	175687	22.438	ug/L	99
3) Chloromethane	2.222	50	270769	23.916	ug/L	99
5) Vinyl chloride	2.369	62	276584	23.496	ug/L	100
6) Bromomethane	2.783	94	167233	25.883	ug/L	98
8) Chloroethane	2.923	64	196838	31.184	ug/L	99
9) Trichlorofluoromethane	3.259	101	203424	24.500	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.063	101	161536	17.971	ug/L	96
12) 1,1-Dichloroethene	4.039	96	191393	22.725	ug/L	87
13) Acetone	4.112	43	408580	171.645	ug/L	100
14) Carbon disulfide	4.386	76	537457	18.059	ug/L	100
15) Methyl Acetate	4.673	43	152770	27.995	ug/L	100
16) Methylene chloride	4.917	84	226583	20.556	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	201917	21.812	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	444838	30.725	ug/L	97
19) 1,1-Dichloroethane	6.215	63	454264	23.431	ug/L	99
20) cis-1,2-Dichloroethene	7.166	96	231235	23.115	ug/L	97
22) 2-Butanone	7.166	43	342202	93.955	ug/L	100
23) Bromochloromethane	7.514	128	103252	24.063	ug/L	97
25) Chloroform	7.672	83	421346	23.450	ug/L	99

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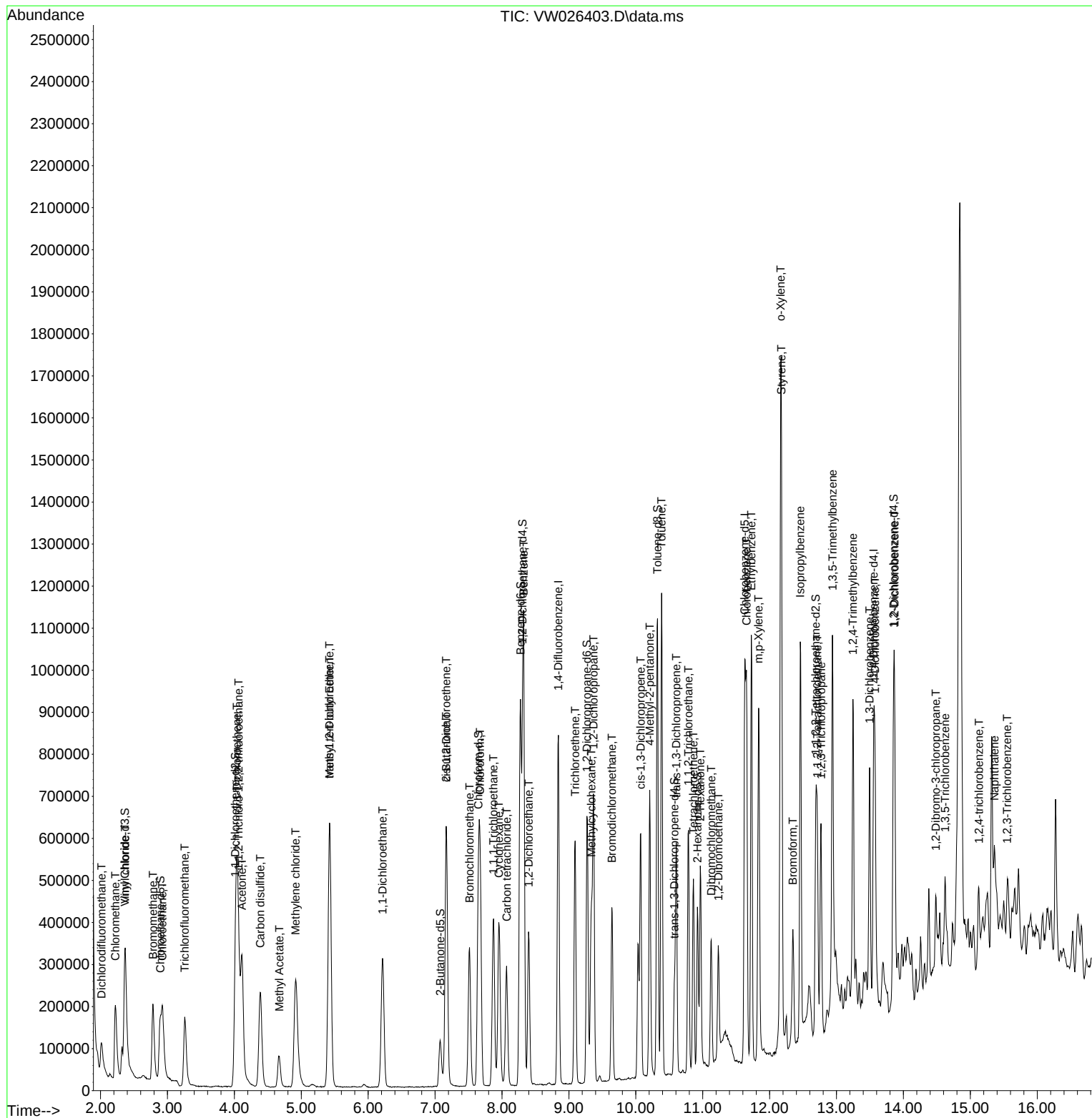
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	336999	26.087	ug/L	96
29) Cyclohexane	7.953	56	229230	17.700	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	315782	29.105	ug/L	99
31) Carbon tetrachloride	8.069	117	207768	21.302	ug/L	96
33) Benzene	8.325	78	882352	29.125	ug/L	100
34) Trichloroethene	9.093	95	200769	25.883	ug/L	97
35) Methylcyclohexane	9.337	83	152745	11.483	ug/L	99
37) 1,2-Dichloropropane	9.367	63	241504	28.533	ug/L	99
38) Bromodichloromethane	9.642	83	268142	27.586	ug/L	98
39) cis-1,3-Dichloropropene	10.074	75	324046	26.722	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	467100	85.498	ug/L	99
42) Toluene	10.385	91	797003	26.225	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	281472	27.498	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	173843	30.675	ug/L	98
46) Tetrachloroethene	10.861	164	97304	17.806	ug/L	88
48) 2-Hexanone	10.965	43	311289	80.752	ug/L	97
49) Dibromochloromethane	11.129	129	154313	26.592	ug/L	96
50) 1,2-Dibromoethane	11.233	107	165537	31.815	ug/L	93
51) Chlorobenzene	11.653	112	418106	21.568	ug/L	97
52) Ethylbenzene	11.727	91	695616	20.313	ug/L	96
53) m,p-Xylene	11.836	106	247454	19.814	ug/L	95
54) o-Xylene	12.166	106	284116	24.161	ug/L	96
55) Styrene	12.178	104	472991	23.062	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	225365	31.814	ug/L	97
59) Bromoform	12.348	173	93213	43.342	ug/L	100
60) Isopropylbenzene	12.458	105	600033	28.082	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	189907	54.953	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	395156	23.857	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	394098	24.670	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	186132	20.338	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	201714	22.024	ug/L	99
67) 1,2-Dichlorobenzene	13.866	146	175176	21.491	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	34501	43.316	ug/L	98
69) 1,3,5-Trichlorobenzene	14.622	180	54106	9.201	ug/L	98
70) 1,2,4-trichlorobenzene	15.128	180	45738	9.504	ug/L #	89
71) Naphthalene	15.360	128	204429	21.131	ug/L	97
72) 1,2,3-Trichlorobenzene	15.549	180	37403	8.324	ug/L #	89

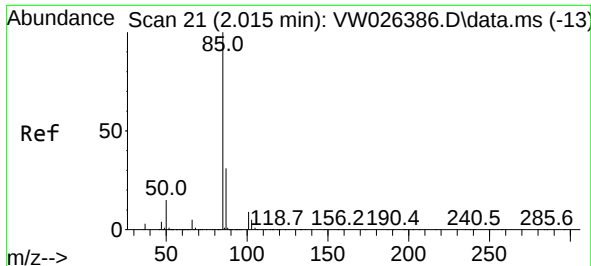
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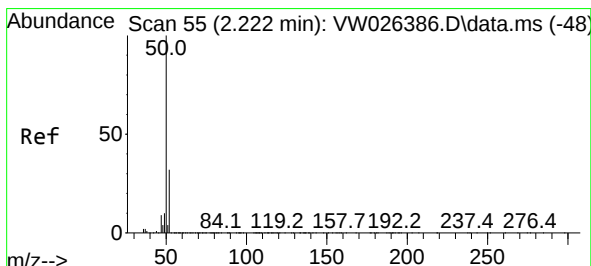
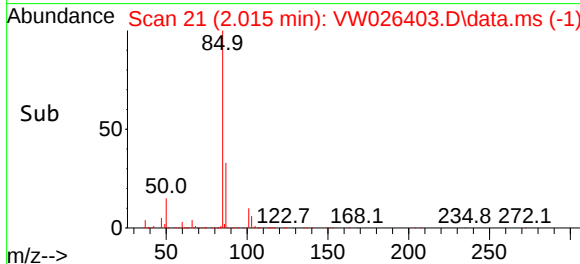
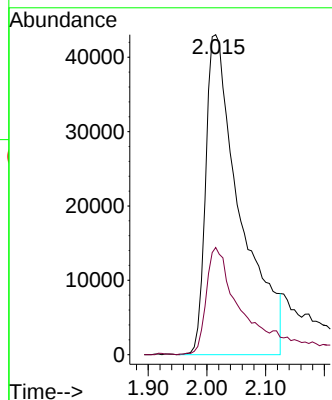
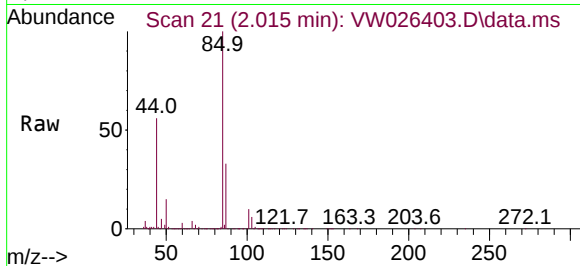




#2
 Dichlorodifluoromethane
 Concen: 22.438 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW026403.D
 Acq: 28 Jun 2023 17:09

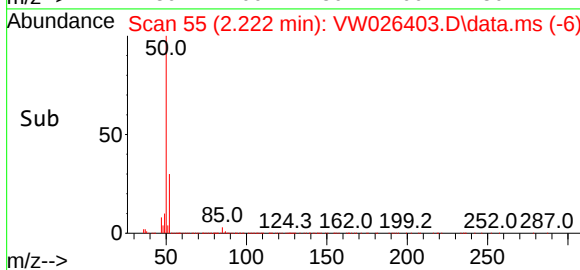
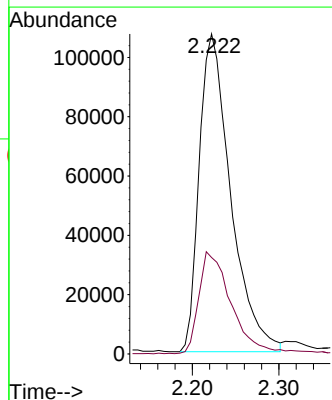
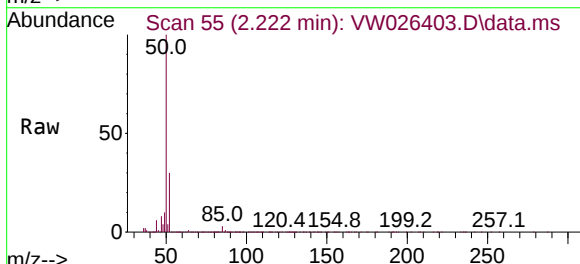
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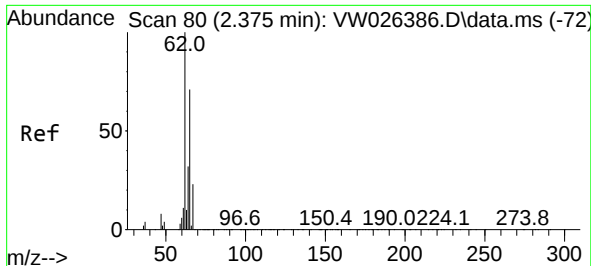
Tgt Ion: 85 Resp: 175687
 Ion Ratio Lower Upper
 85 100
 87 30.9 25.2 37.8



#3
 Chloromethane
 Concen: 23.916 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW026403.D
 Acq: 28 Jun 2023 17:09

Tgt Ion: 50 Resp: 270769
 Ion Ratio Lower Upper
 50 100
 52 30.2 21.4 39.8

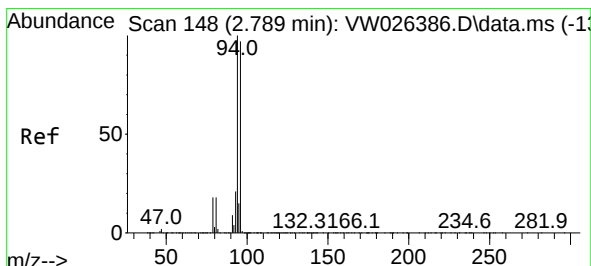
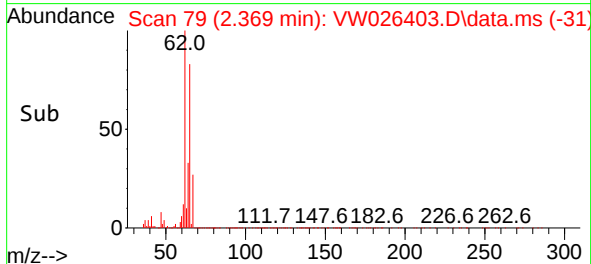
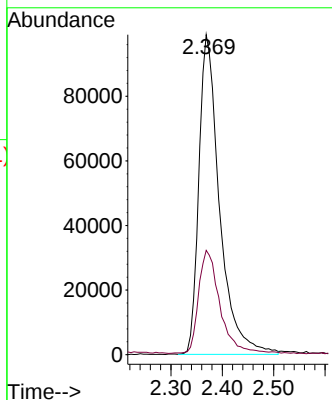
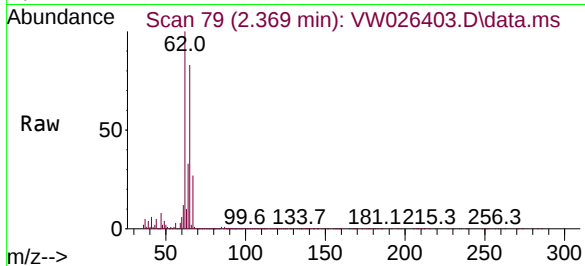




#5
 Vinyl chloride
 Concen: 23.496 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW026403.D
 Acq: 28 Jun 2023 17:09

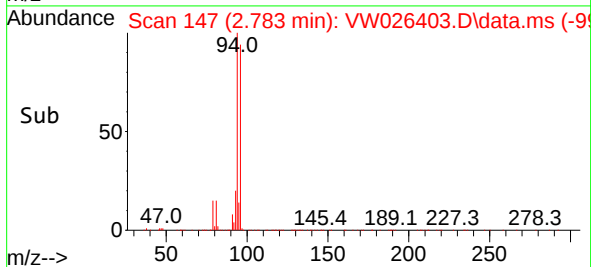
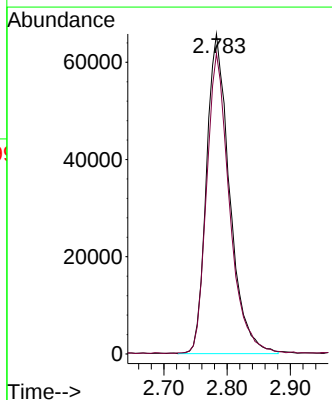
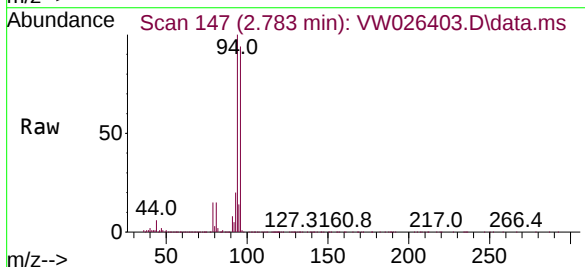
Instrument :
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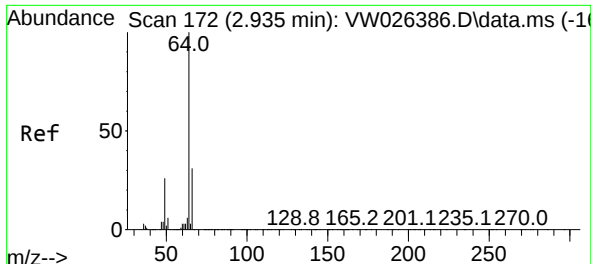
Tgt Ion: 62 Resp: 276584
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.0 42.8



#6
 Bromomethane
 Concen: 25.883 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026403.D
 Acq: 28 Jun 2023 17:09

Tgt Ion: 94 Resp: 167233
 Ion Ratio Lower Upper
 94 100
 96 93.9 64.6 120.0

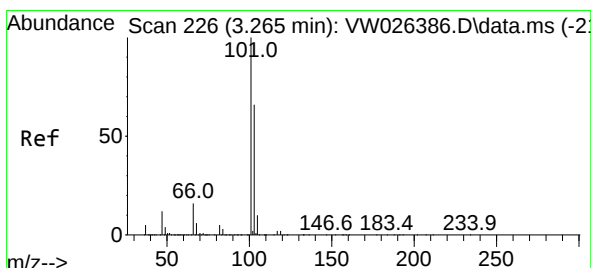
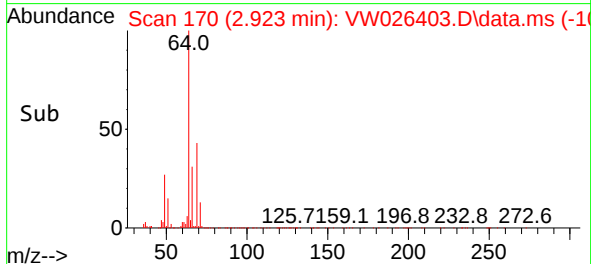
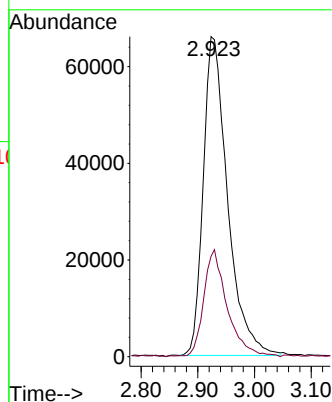
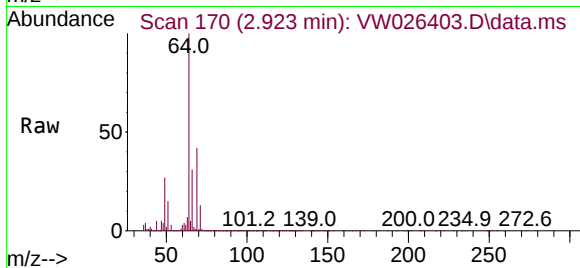




#8
Chloroethane
Concen: 31.184 ug/L
RT: 2.923 min Scan# 11
Delta R.T. -0.012 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

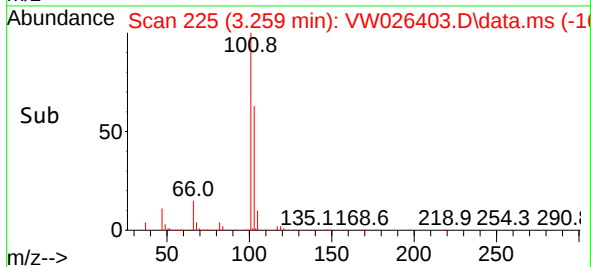
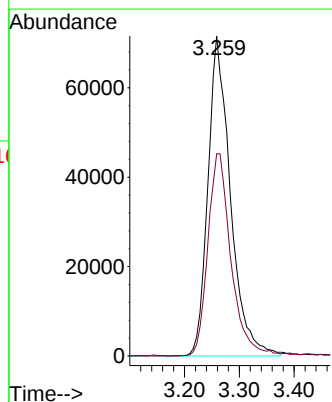
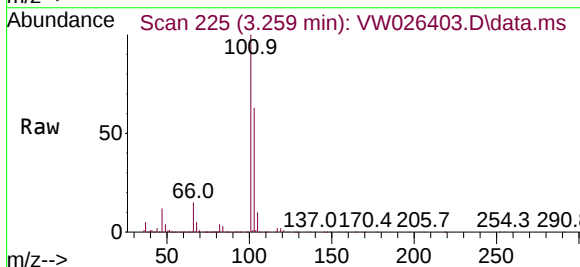
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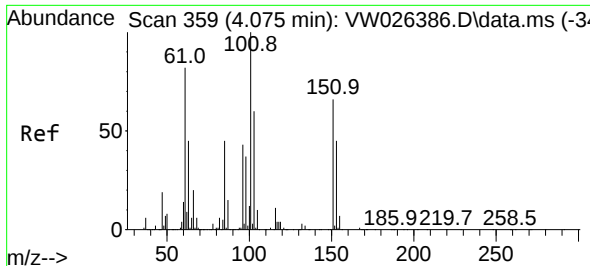
Tgt Ion: 64 Resp: 196838
Ion Ratio Lower Upper
64 100
66 31.4 22.5 41.7



#9
Trichlorofluoromethane
Concen: 24.500 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.006 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 101 Resp: 203424
Ion Ratio Lower Upper
101 100
103 64.2 52.9 79.3

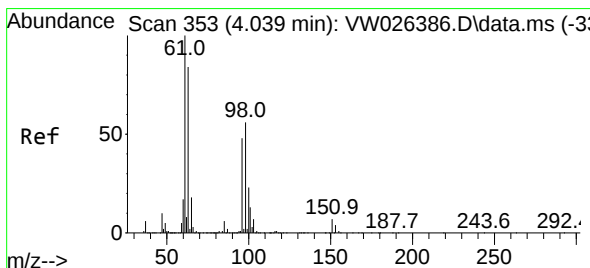
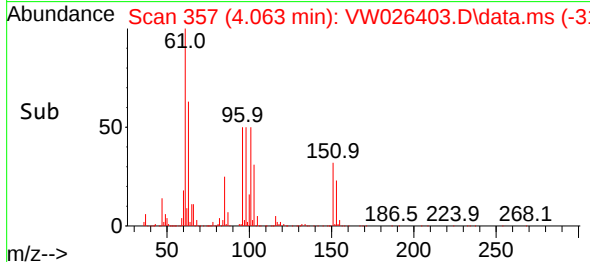
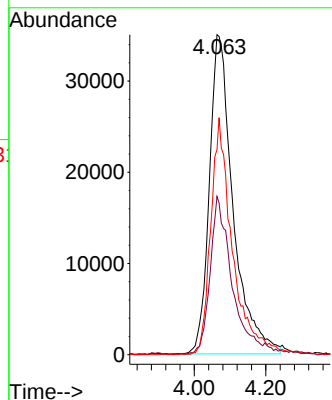
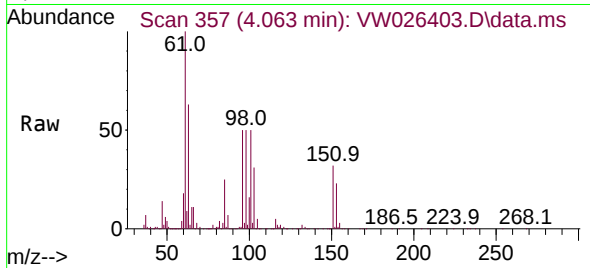




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 17.971 ug/L
 RT: 4.063 min Scan# 357
 Delta R.T. -0.012 min
 Lab File: VW026403.D
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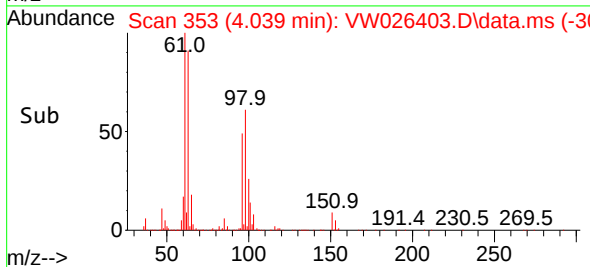
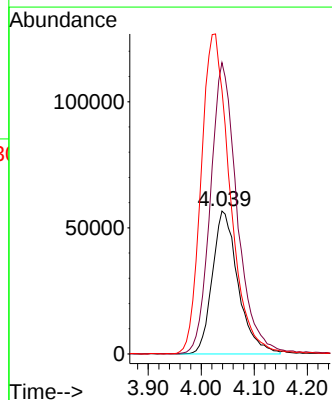
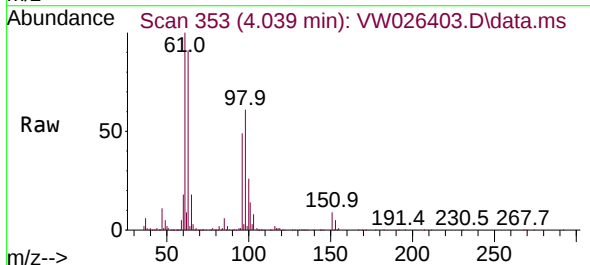
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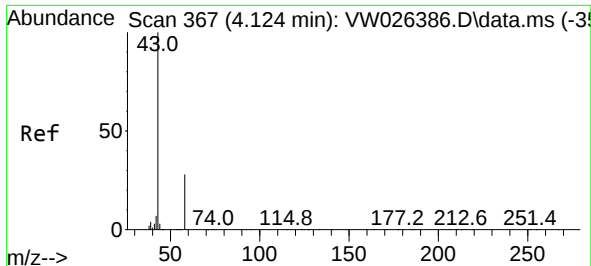
Tgt Ion:101 Resp: 161536
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.4 53.0
 151 64.4 56.1 84.1



#12
 1,1-Dichloroethene
 Concen: 22.725 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. 0.000 min
 Lab File: VW026403.D
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Tgt Ion: 96 Resp: 191393
 Ion Ratio Lower Upper
 96 100
 61 203.9 134.3 249.3
 63 184.6 112.3 208.5

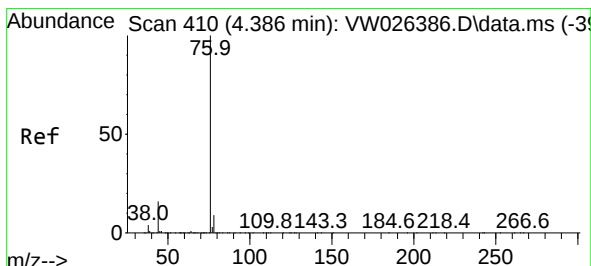
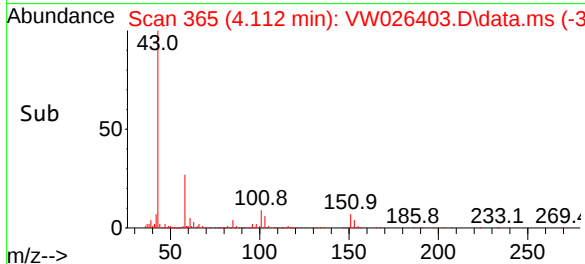
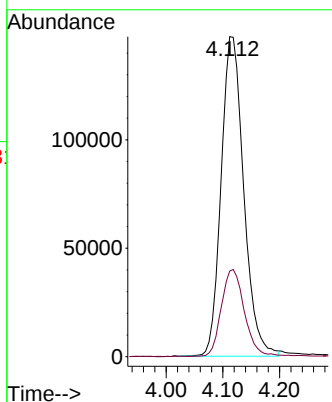
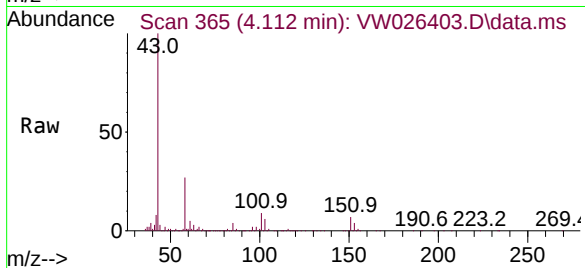




#13
Acetone
Concen: 171.645 ug/L
RT: 4.112 min Scan# 30
Delta R.T. -0.012 min
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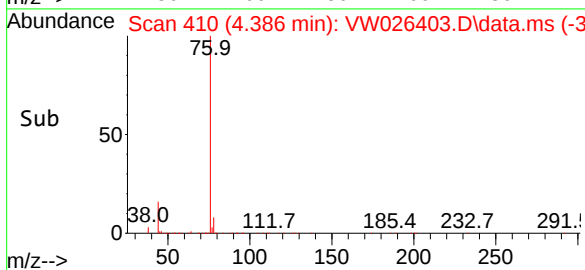
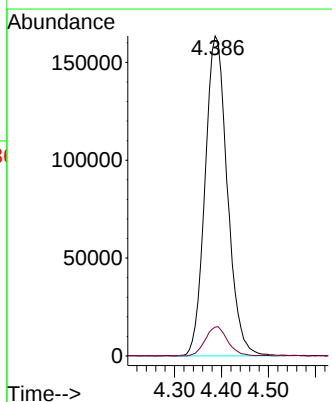
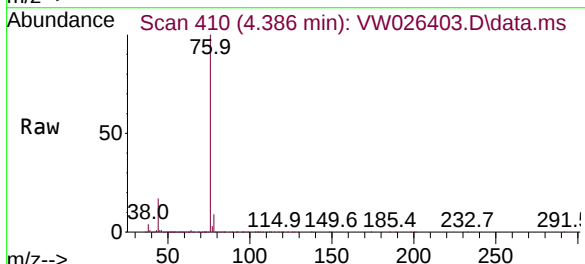
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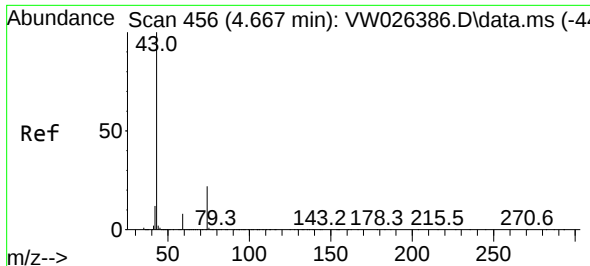
Tgt Ion: 43 Resp: 408580
Ion Ratio Lower Upper
43 100
58 27.7 0.0 55.8



#14
Carbon disulfide
Concen: 18.059 ug/L
RT: 4.386 min Scan# 410
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 537457
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

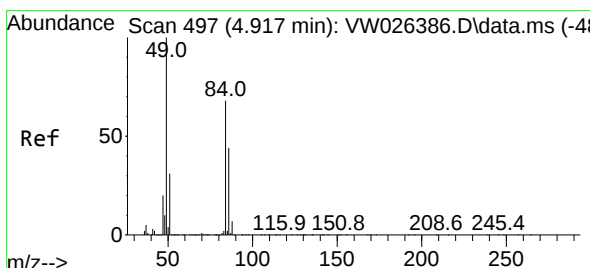
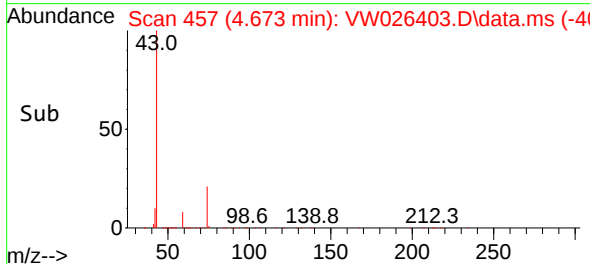
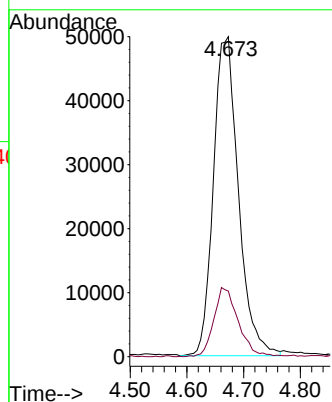
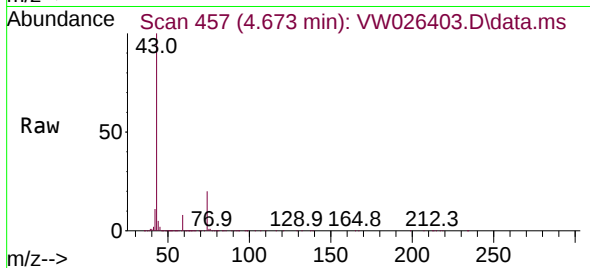




#15
Methyl Acetate
Concen: 27.995 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

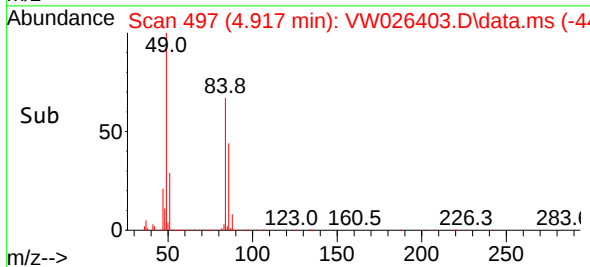
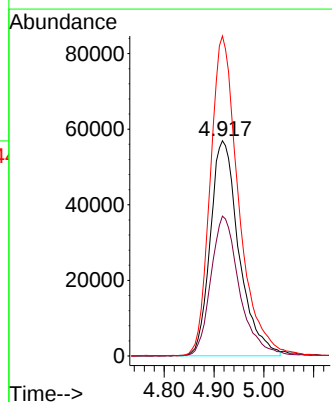
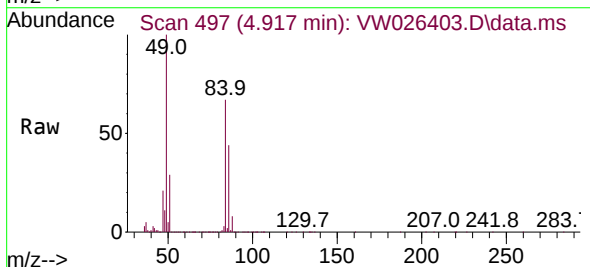
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

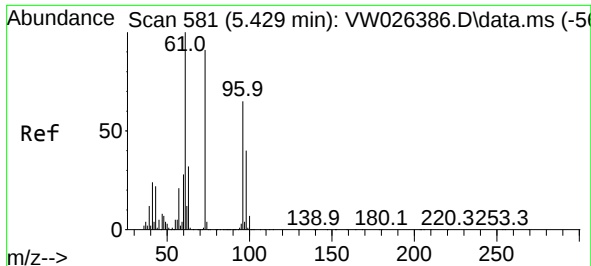
Tgt Ion: 43 Resp: 152770
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5



#16
Methylene chloride
Concen: 20.556 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 84 Resp: 226583
Ion Ratio Lower Upper
84 100
86 65.0 43.9 81.5
49 148.7 100.4 186.4

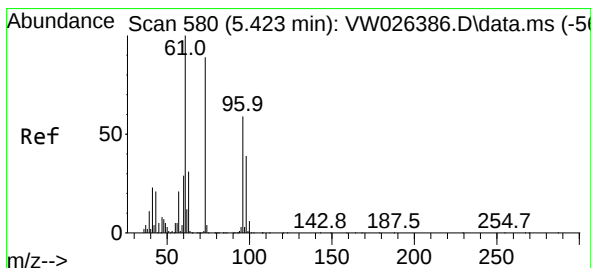
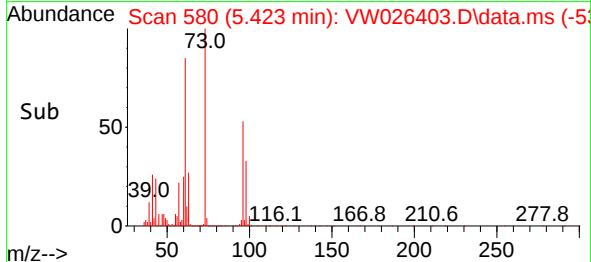
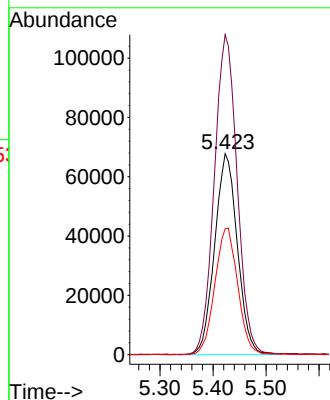
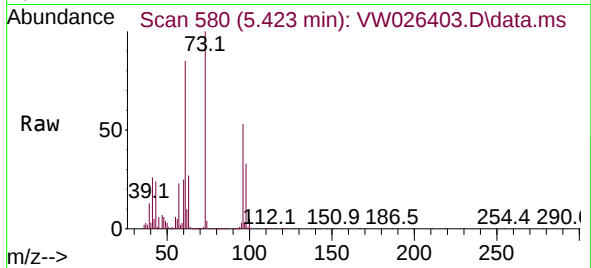




#17
trans-1,2-Dichloroethene
Concen: 21.812 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

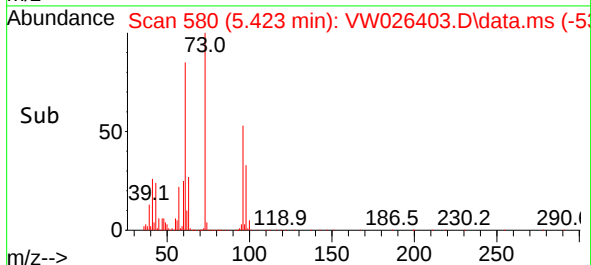
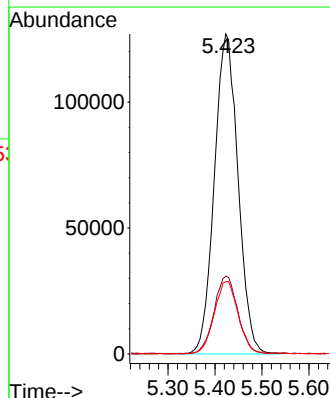
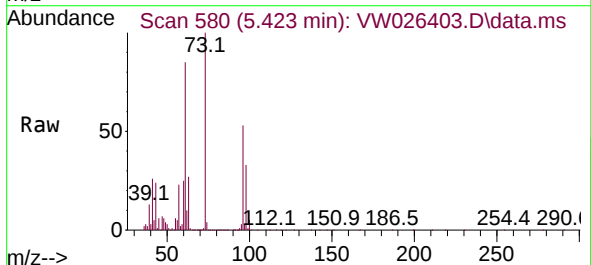
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

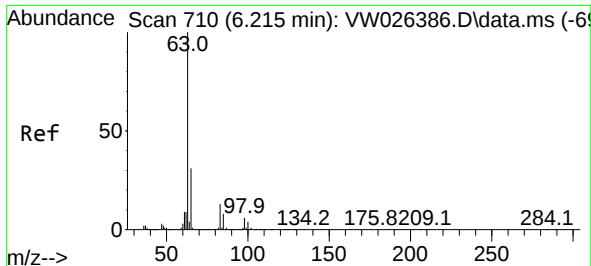
Tgt Ion: 96 Resp: 201917
Ion Ratio Lower Upper
96 100
61 159.3 106.1 197.1
98 62.6 43.9 81.5



#18
Methyl tert-butyl Ether
Concen: 30.725 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 73 Resp: 444838
Ion Ratio Lower Upper
73 100
43 24.1 18.1 27.1
57 22.9 19.5 29.3





#19

1,1-Dichloroethane

Concen: 23.431 ug/L

RT: 6.215 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

A46K6MSD

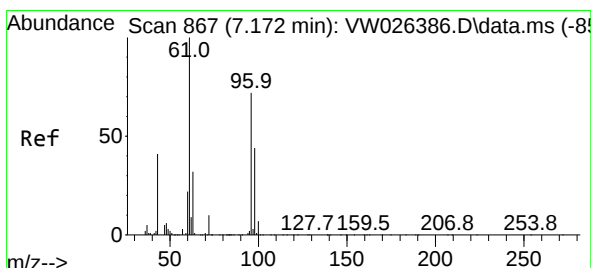
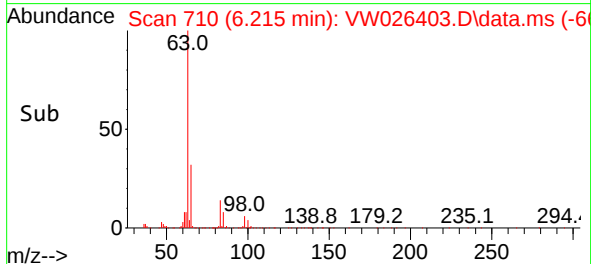
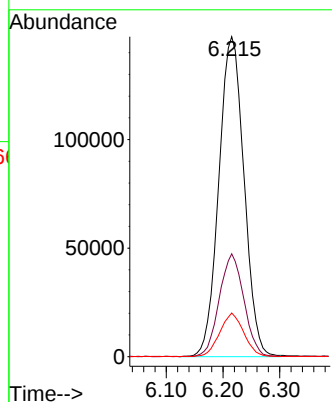
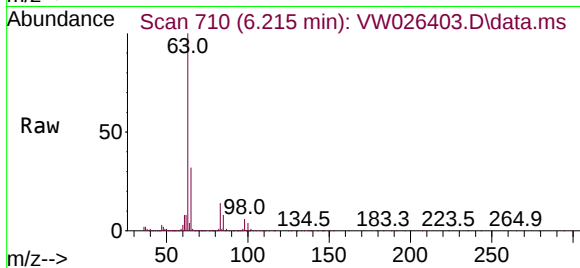
Tgt Ion: 63 Resp: 454264

Ion Ratio Lower Upper

63 100

65 32.1 22.8 42.4

83 13.6 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 23.115 ug/L

RT: 7.166 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

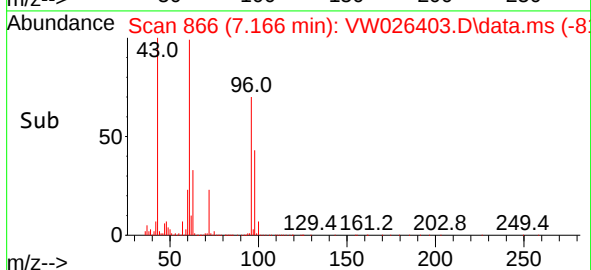
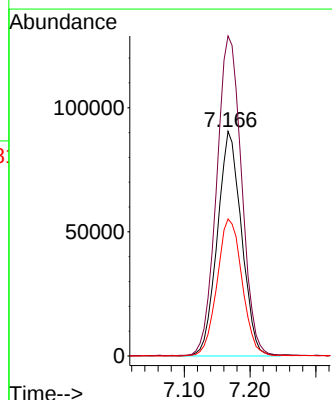
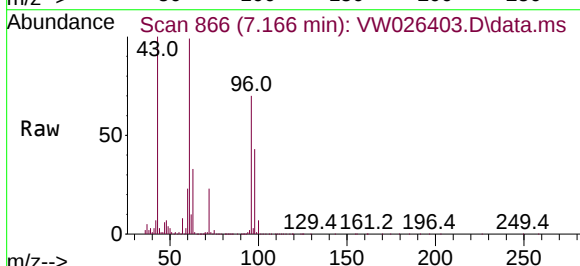
Tgt Ion: 96 Resp: 231235

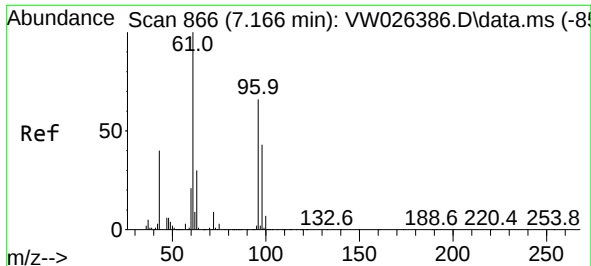
Ion Ratio Lower Upper

96 100

61 142.5 100.8 187.2

98 61.0 45.7 84.9

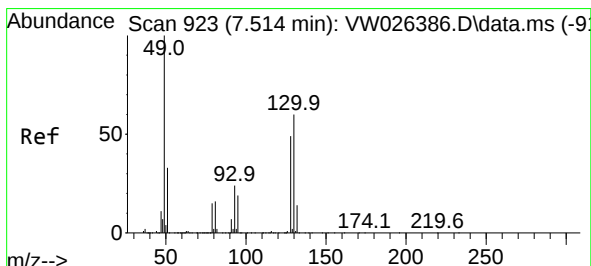
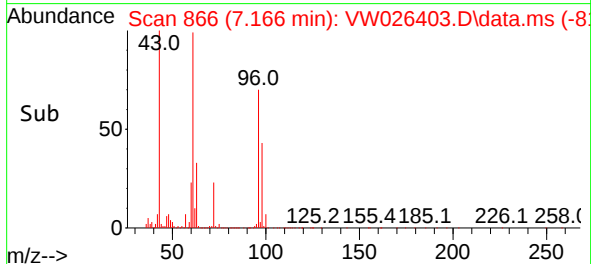
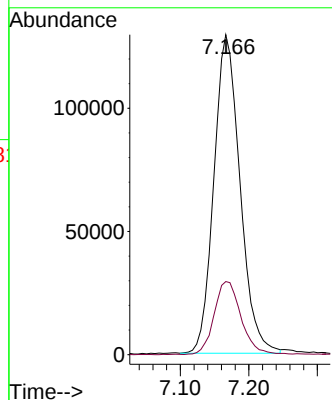
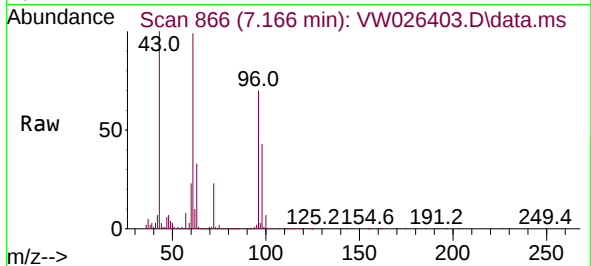




#22
2-Butanone
Concen: 93.955 ug/L
RT: 7.166 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

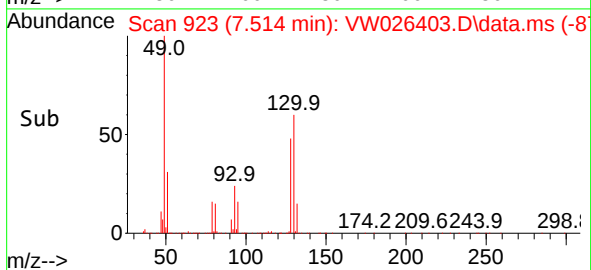
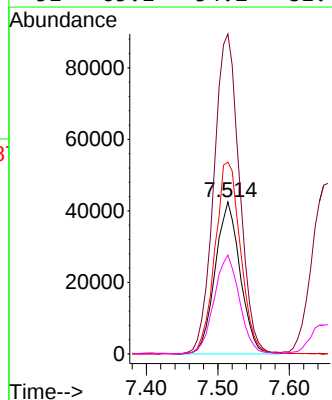
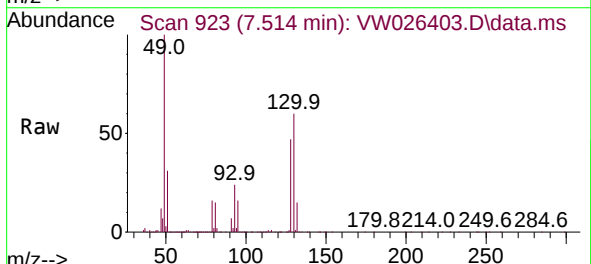
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

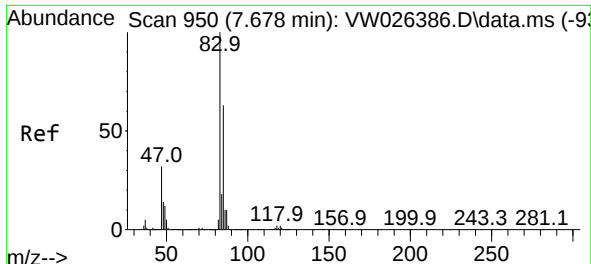
Tgt Ion: 43 Resp: 342202
Ion Ratio Lower Upper
43 100
72 23.7 11.8 35.3



#23
Bromochloromethane
Concen: 24.063 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 128 Resp: 103252
Ion Ratio Lower Upper
128 100
49 210.6 148.5 275.9
130 126.2 82.6 153.4
51 65.1 54.2 81.4

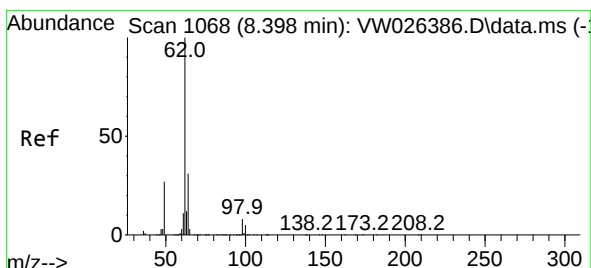
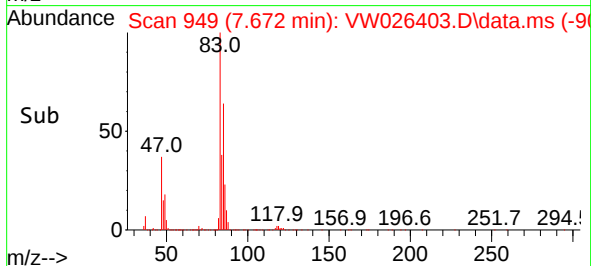
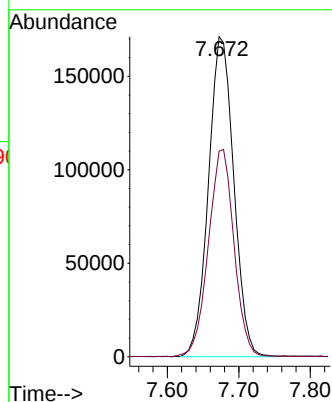
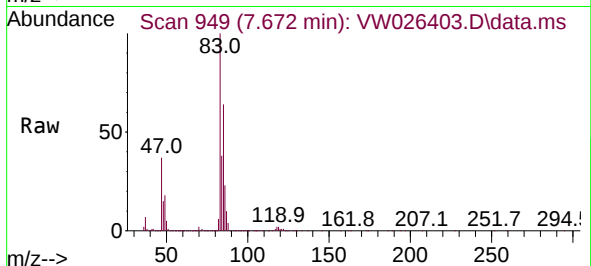




#25
Chloroform
Concen: 23.450 ug/L
RT: 7.672 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

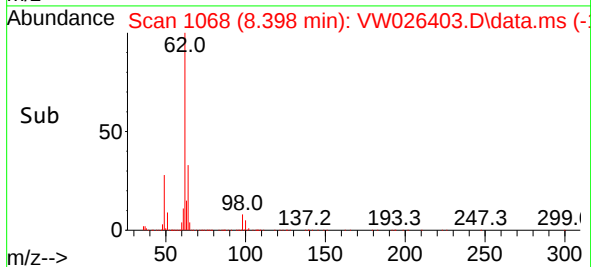
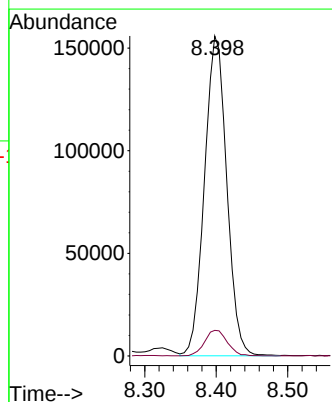
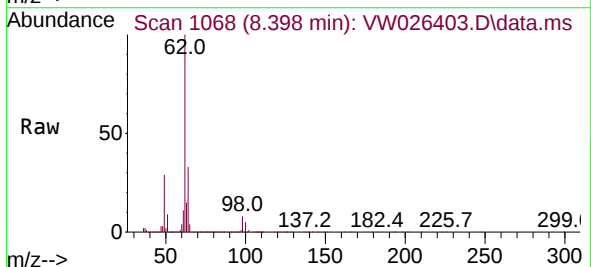
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

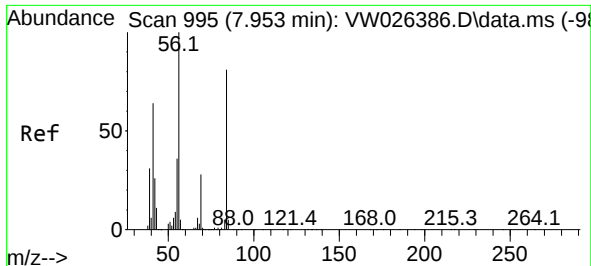
Tgt Ion: 83 Resp: 421346
Ion Ratio Lower Upper
83 100
85 64.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 26.087 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 62 Resp: 336999
Ion Ratio Lower Upper
62 100
98 8.0 7.5 11.3

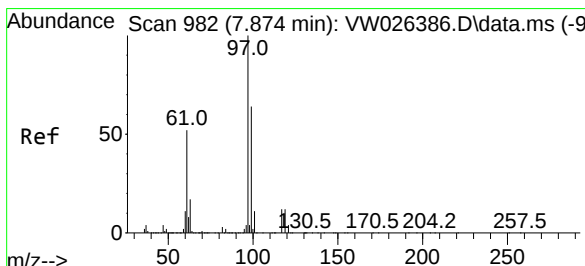
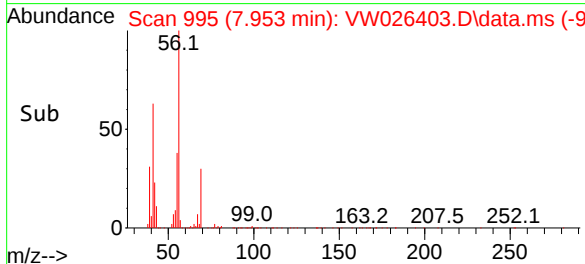
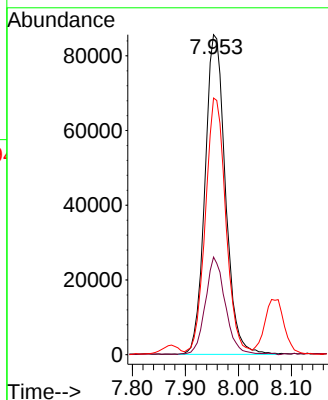
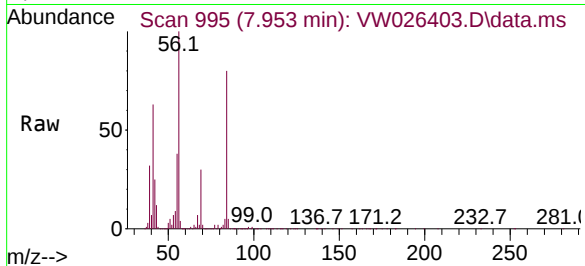




#29
Cyclohexane
Concen: 17.700 ug/L
RT: 7.953 min Scan# 995
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

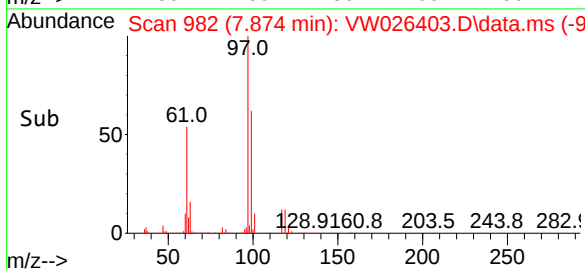
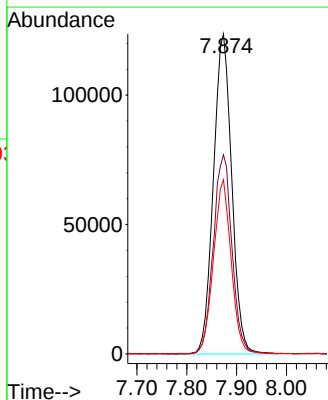
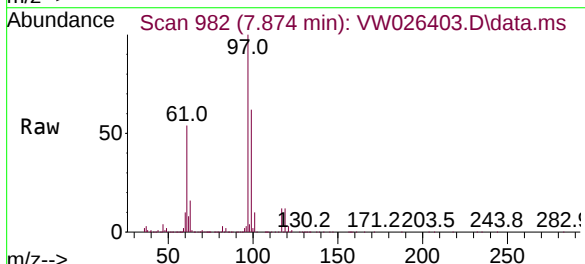
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

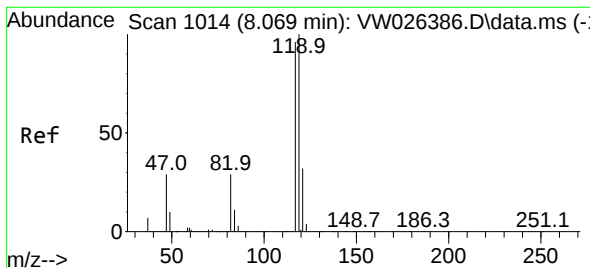
Tgt Ion: 56 Resp: 229230
Ion Ratio Lower Upper
56 100
69 29.3 23.0 34.4
84 80.5 63.4 95.0



#30
1,1,1-Trichloroethane
Concen: 29.105 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 97 Resp: 315782
Ion Ratio Lower Upper
97 100
99 63.3 50.8 76.2
61 52.6 41.4 62.2





#31

Carbon tetrachloride

Concen: 21.302 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

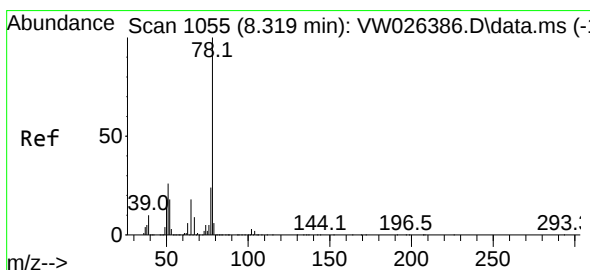
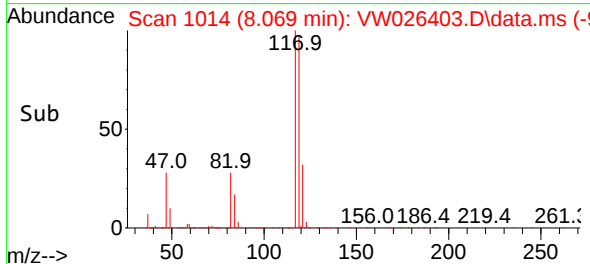
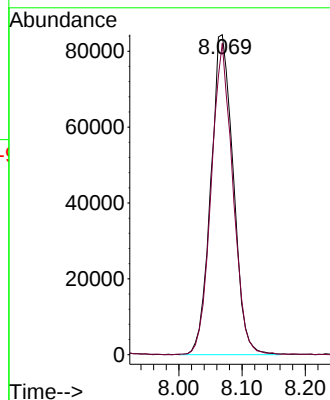
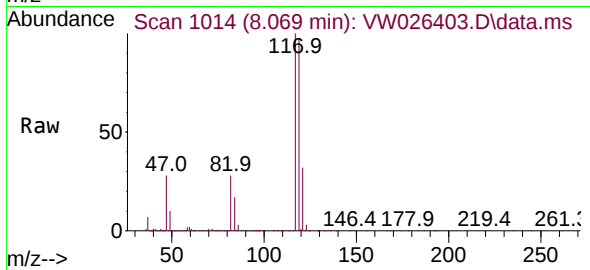
A46K6MSD

Tgt Ion:117 Resp: 207768

Ion Ratio Lower Upper

117 100

119 93.6 77.7 116.5



#33

Benzene

Concen: 29.125 ug/L

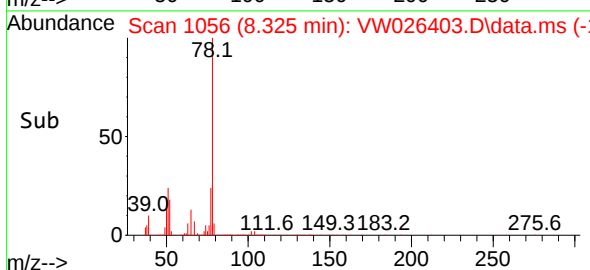
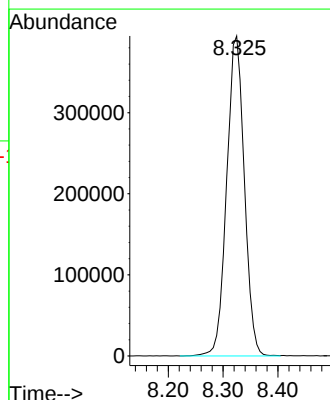
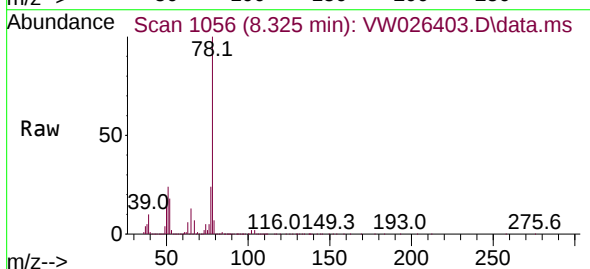
RT: 8.325 min Scan# 1056

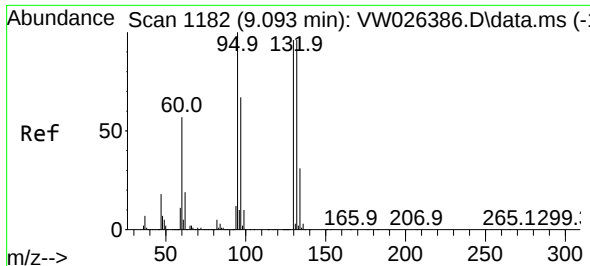
Delta R.T. 0.006 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Tgt Ion: 78 Resp: 882352

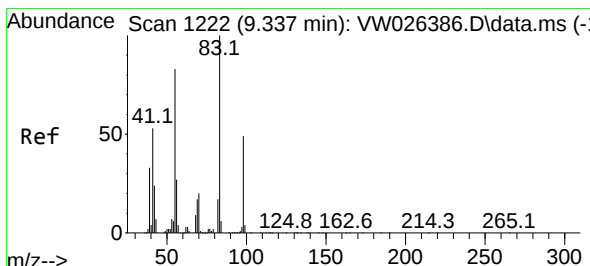
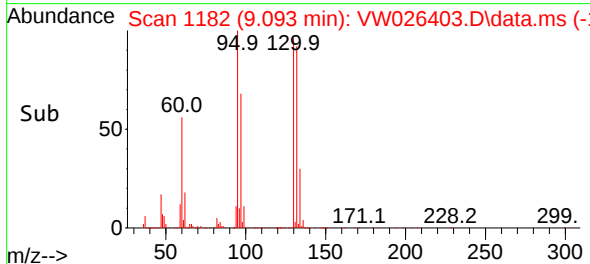
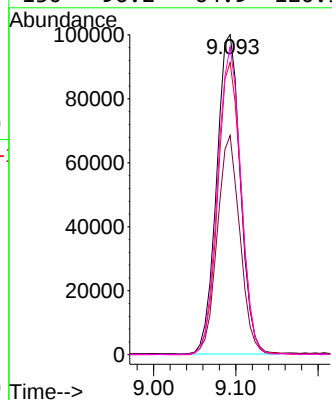
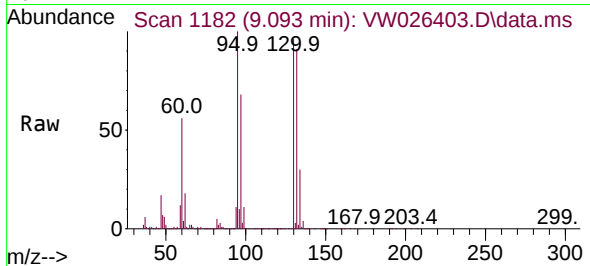




#34
Trichloroethene
Concen: 25.883 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

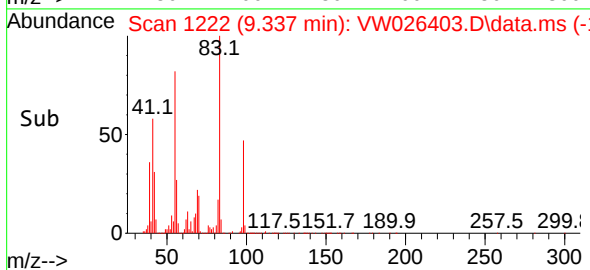
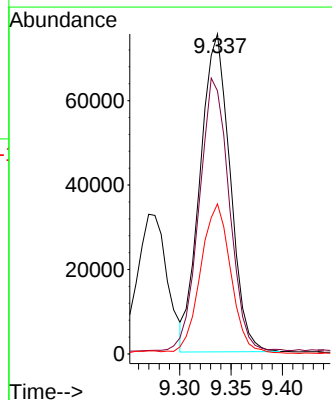
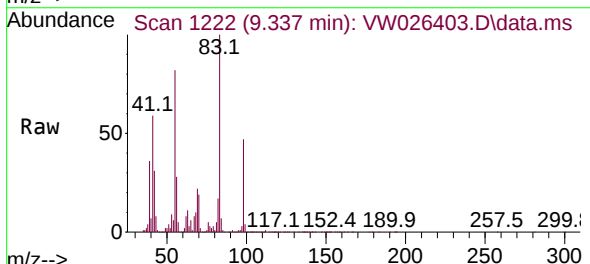
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

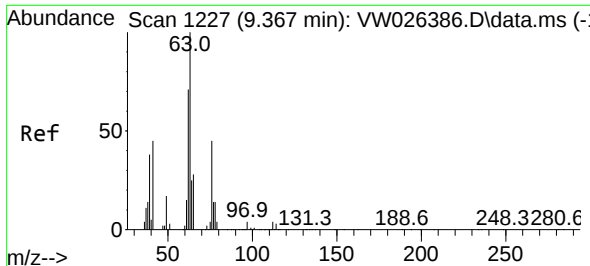
Tgt Ion: 95 Resp: 200769
Ion Ratio Lower Upper
95 100
97 68.5 44.5 82.7
132 91.4 63.3 117.5
130 96.2 64.9 120.5



#35
Methylcyclohexane
Concen: 11.483 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 83 Resp: 152745
Ion Ratio Lower Upper
83 100
55 86.7 68.8 103.2
98 47.6 37.8 56.6





#37

1,2-Dichloropropane

Concen: 28.533 ug/L

RT: 9.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

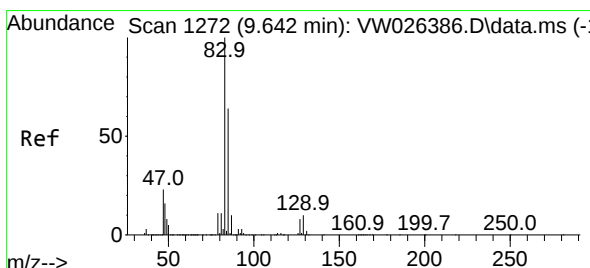
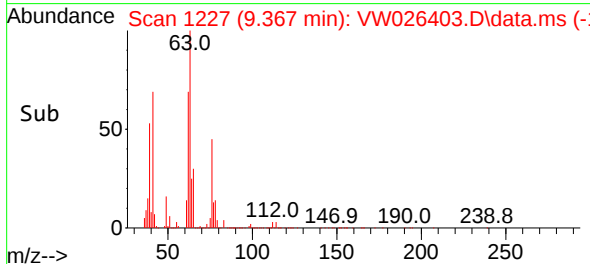
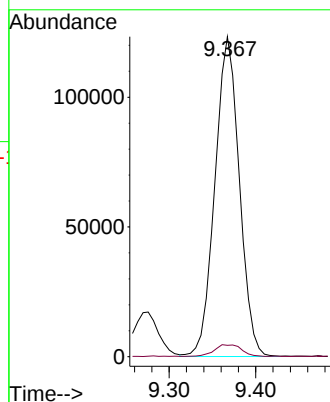
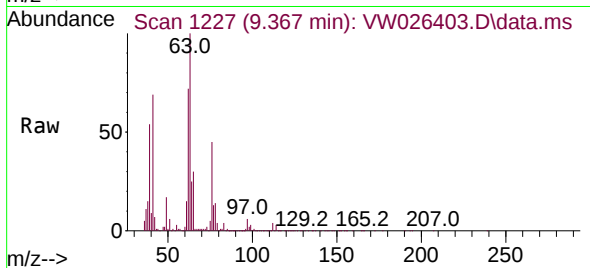
A46K6MSD

Tgt Ion: 63 Resp: 241504

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#38

Bromodichloromethane

Concen: 27.586 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

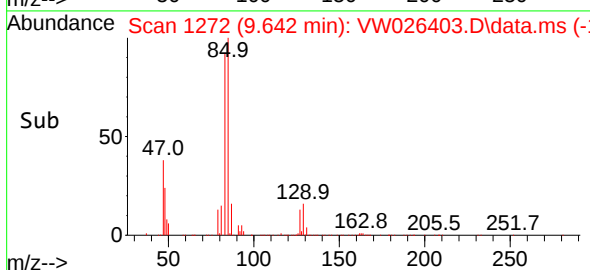
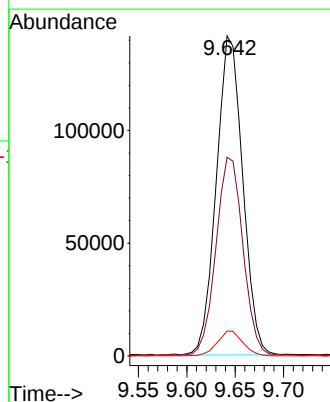
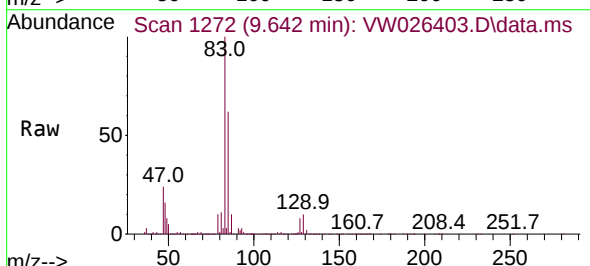
Tgt Ion: 83 Resp: 268142

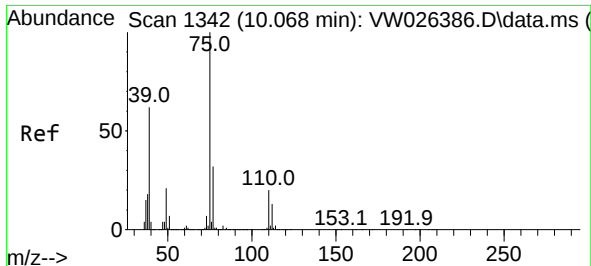
Ion Ratio Lower Upper

83 100

85 62.1 44.9 83.5

127 7.8 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 26.722 ug/L

RT: 10.074 min Scan# 1342

Delta R.T. 0.006 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

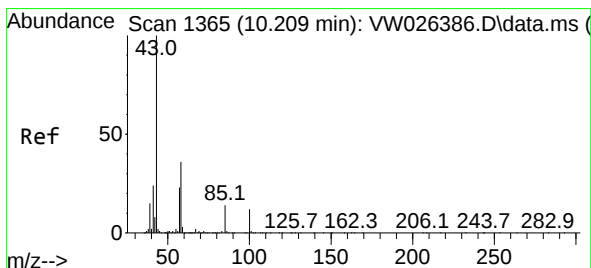
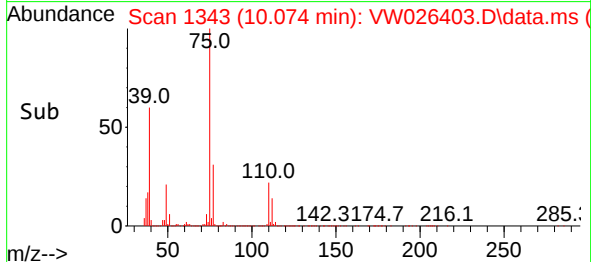
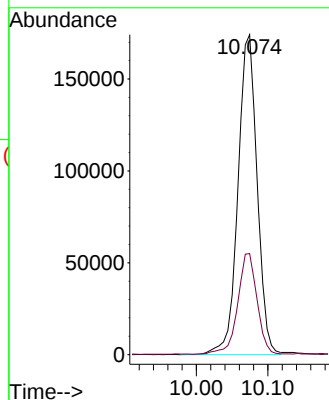
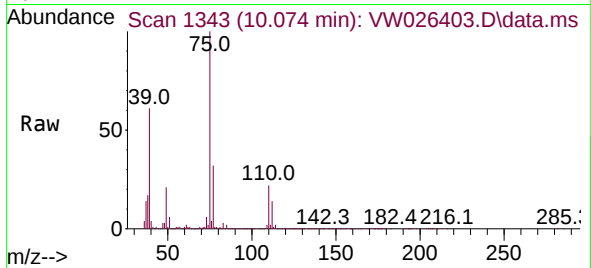
A46K6MSD

Tgt Ion: 75 Resp: 324046

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 85.498 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

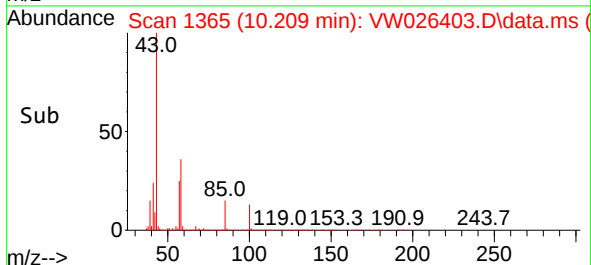
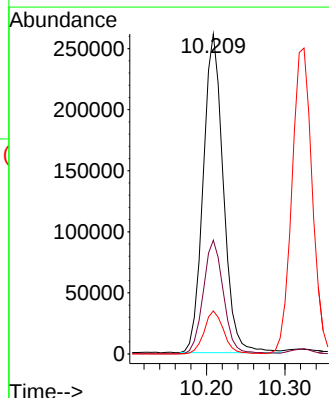
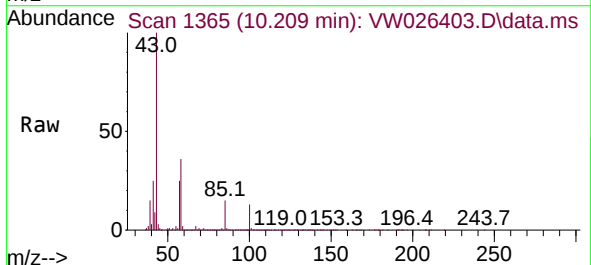
Tgt Ion: 43 Resp: 467100

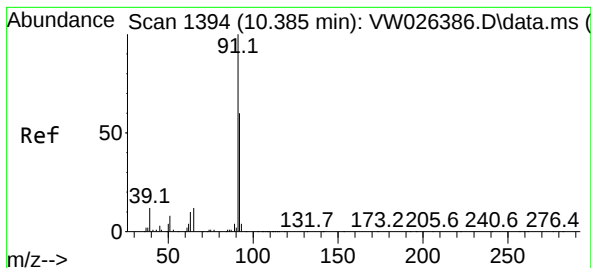
Ion Ratio Lower Upper

43 100

58 35.6 28.6 42.8

100 13.2 9.9 14.9





#42

Toluene

Concen: 26.225 ug/L

RT: 10.385 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

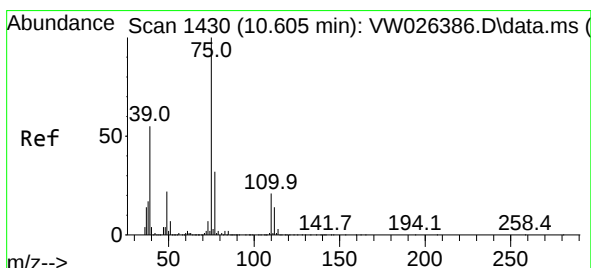
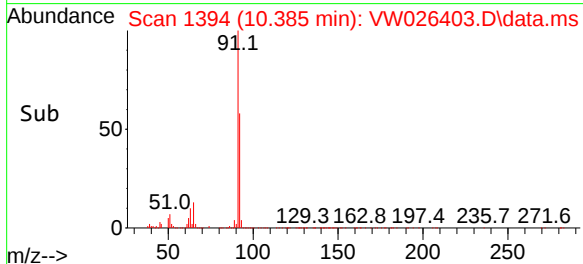
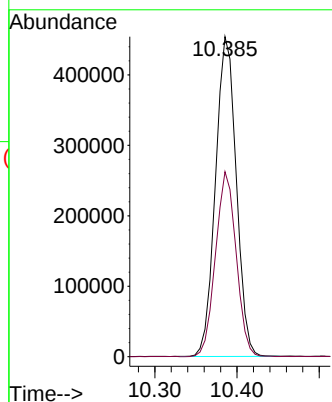
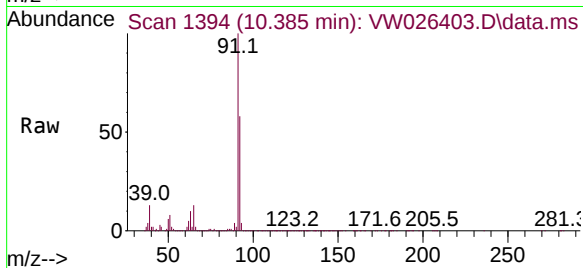
A46K6MSD

Tgt Ion: 91 Resp: 797003

Ion Ratio Lower Upper

91 100

92 57.8 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 27.498 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW026403.D

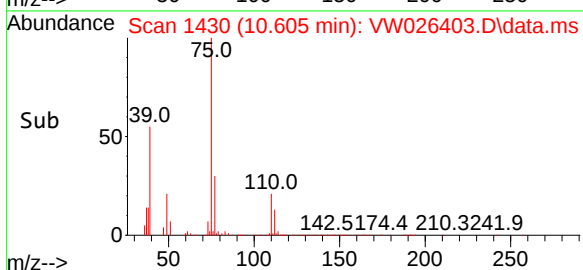
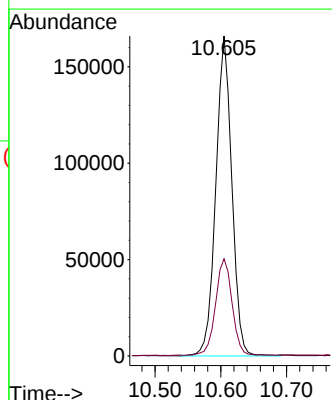
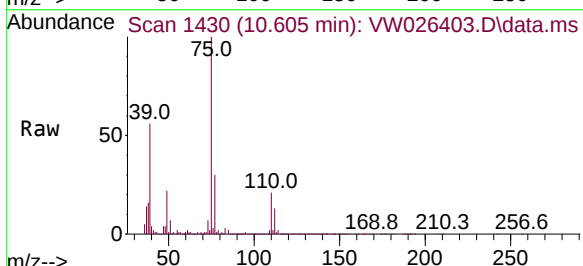
Acq: 28 Jun 2023 17:09

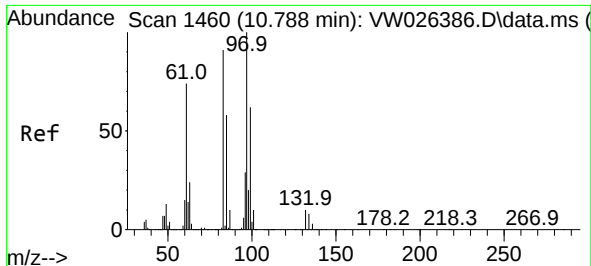
Tgt Ion: 75 Resp: 281472

Ion Ratio Lower Upper

75 100

77 30.3 21.6 40.2



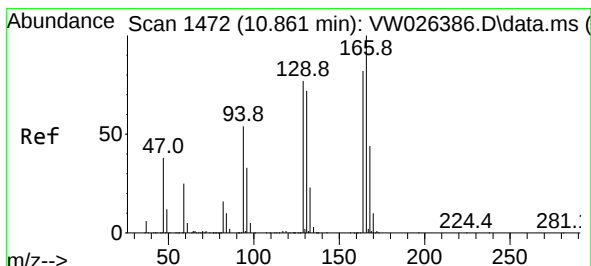
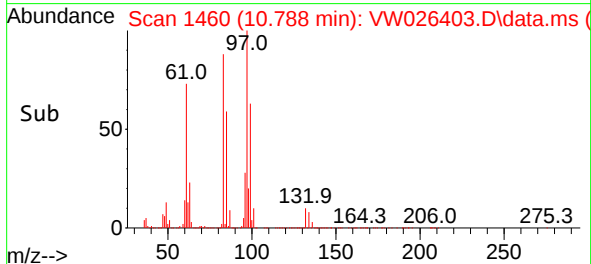
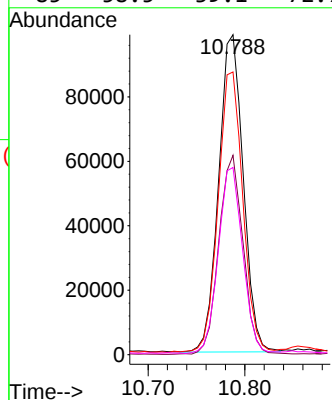
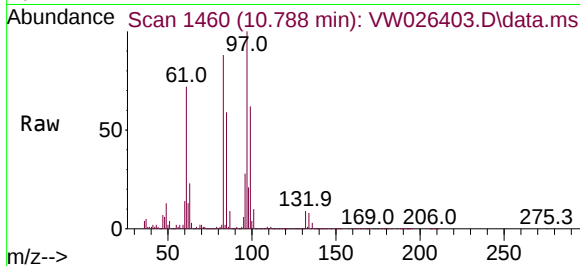


#45
1,1,2-Trichloroethane
Concen: 30.675 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

Tgt Ion: 97 Resp: 173843

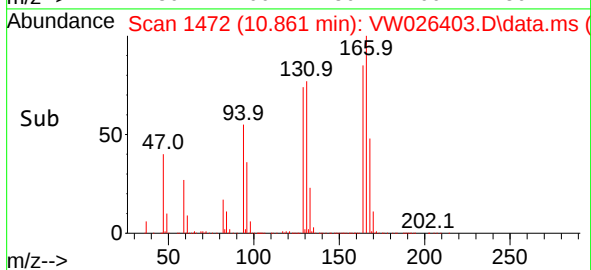
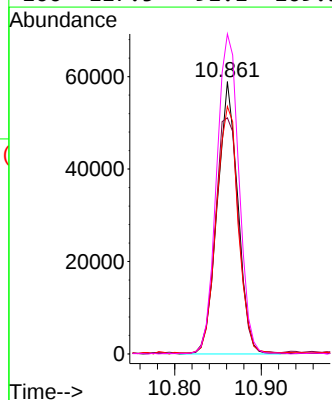
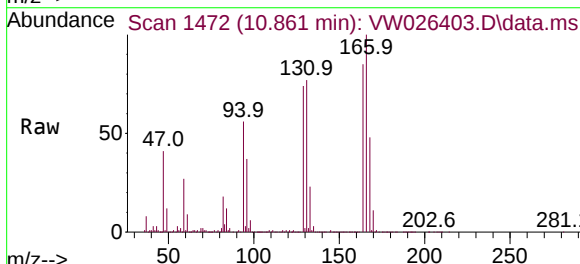
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.4	78.6
83	88.4	60.8	113.0
85	58.5	39.1	72.7

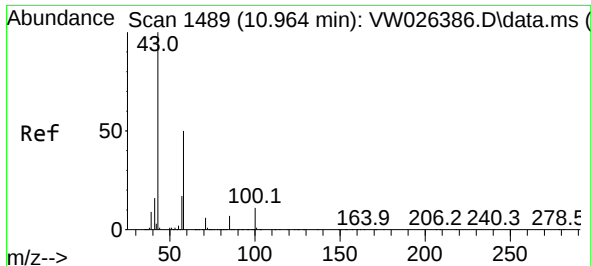


#46
Tetrachloroethene
Concen: 17.806 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 164 Resp: 97304

Ion	Ratio	Lower	Upper
164	100		
129	86.7	73.8	137.0
131	90.9	69.0	128.2
166	117.5	91.1	169.3



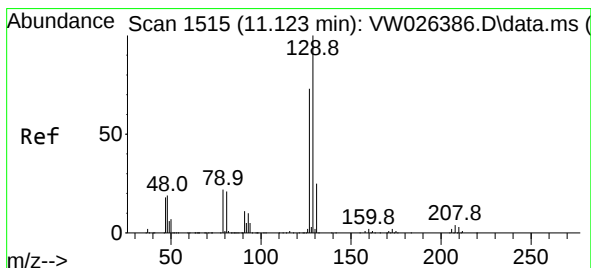
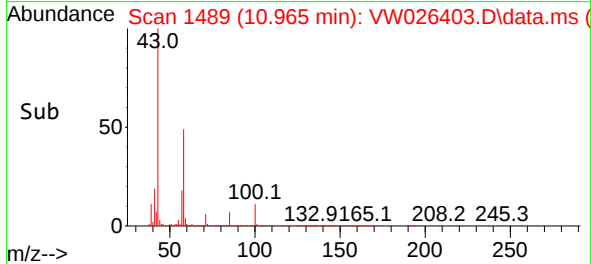
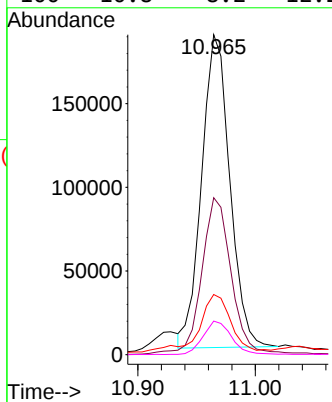
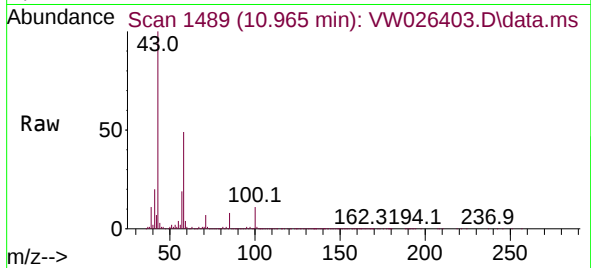


#48
2-Hexanone
Concen: 80.752 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

Tgt Ion: 43 Resp: 311289

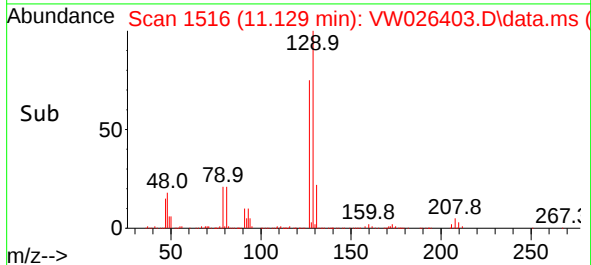
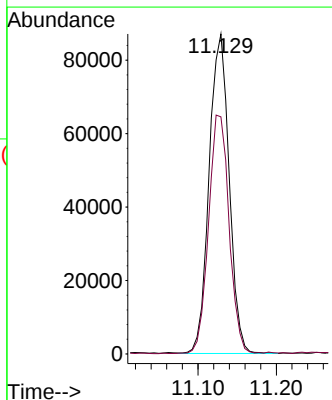
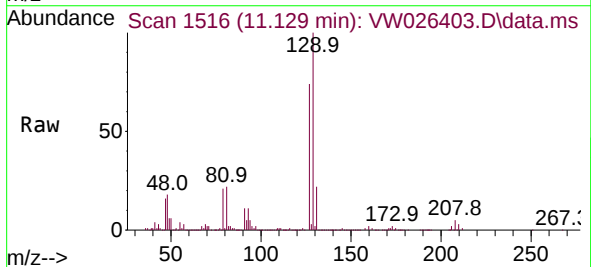
Ion	Ratio	Lower	Upper
43	100		
58	53.0	40.1	60.1
57	17.7	13.4	20.0
100	10.8	8.2	12.2

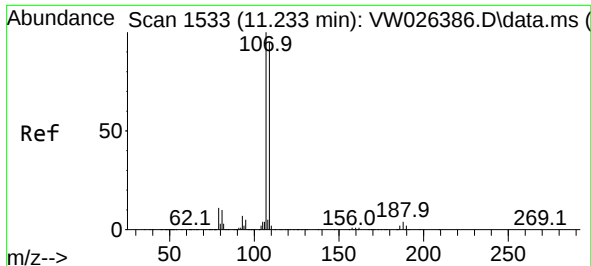


#49
Dibromochloromethane
Concen: 26.592 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion: 129 Resp: 154313

Ion	Ratio	Lower	Upper
129	100		
127	74.1	54.4	101.0





#50

1,2-Dibromoethane

Concen: 31.815 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

A46K6MSD

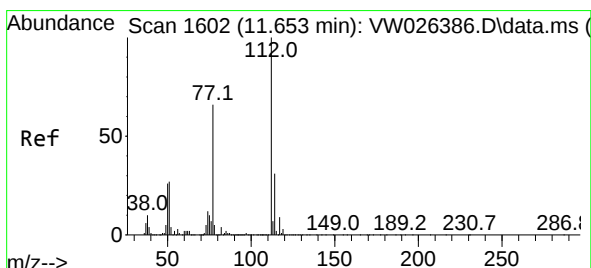
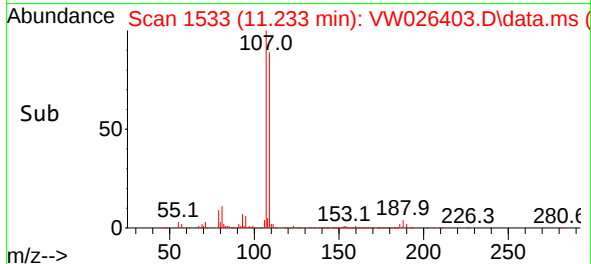
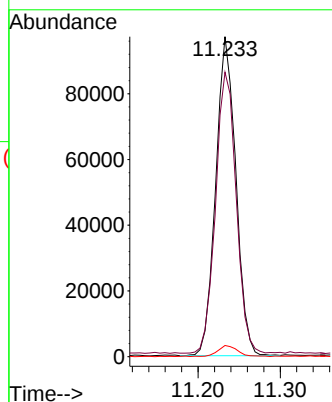
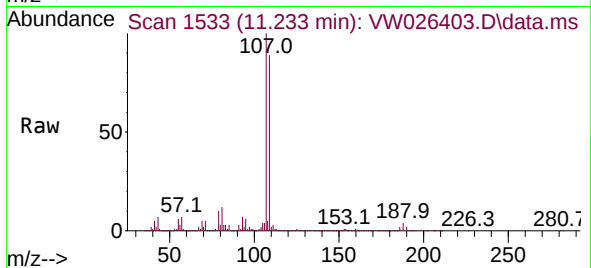
Tgt Ion:107 Resp: 165537

Ion Ratio Lower Upper

107 100

109 88.9 67.1 124.5

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 21.568 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

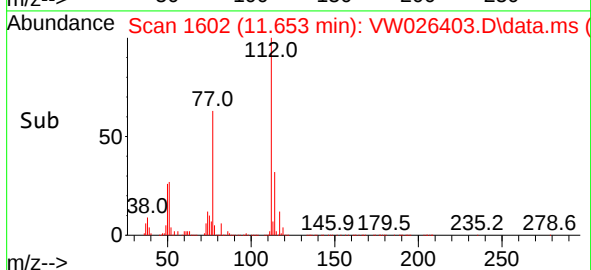
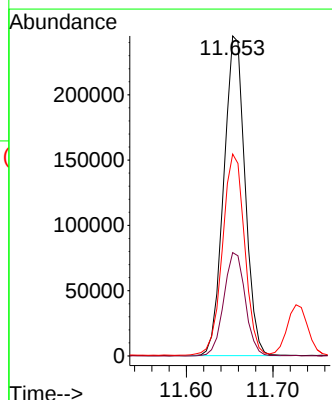
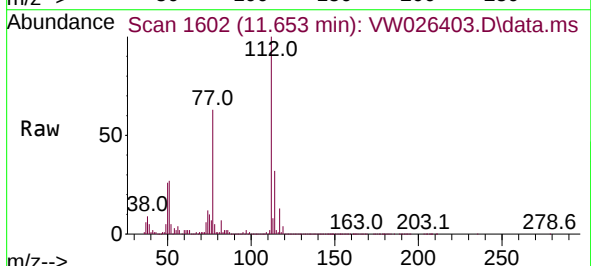
Tgt Ion:112 Resp: 418106

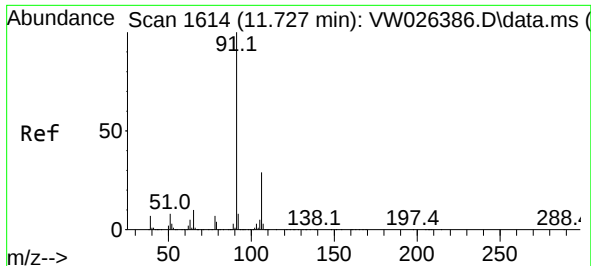
Ion Ratio Lower Upper

112 100

114 32.3 23.0 42.8

77 63.1 53.2 79.8





#52

Ethylbenzene

Concen: 20.313 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

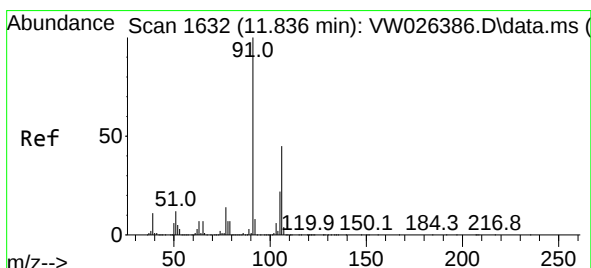
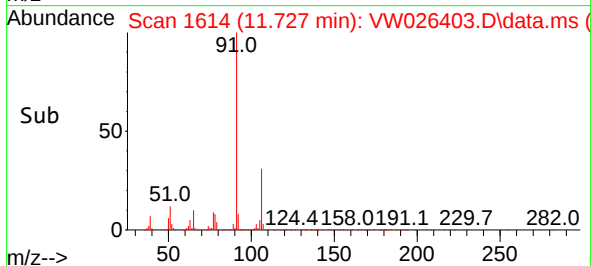
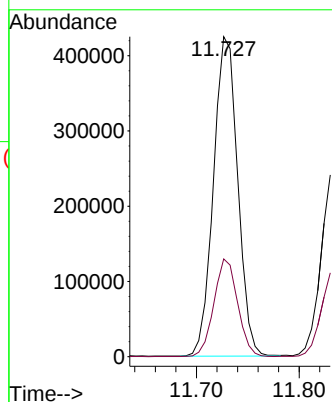
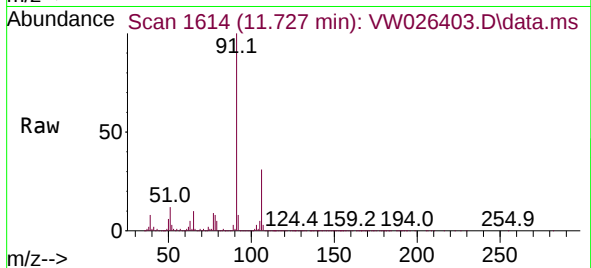
A46K6MSD

Tgt Ion: 91 Resp: 695616

Ion Ratio Lower Upper

91 100

106 30.5 19.9 36.9



#53

m,p-Xylene

Concen: 19.814 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW026403.D

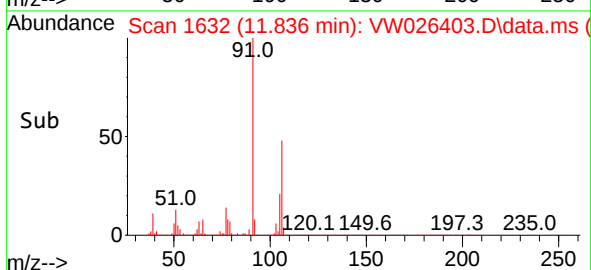
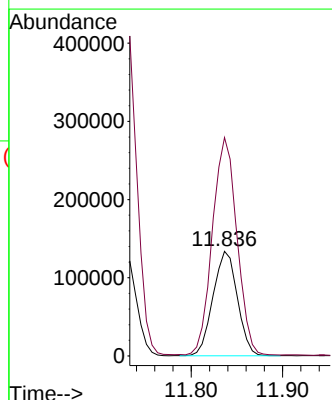
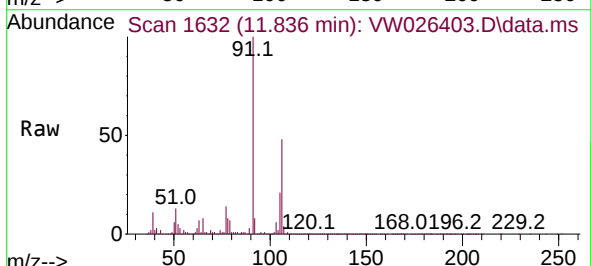
Acq: 28 Jun 2023 17:09

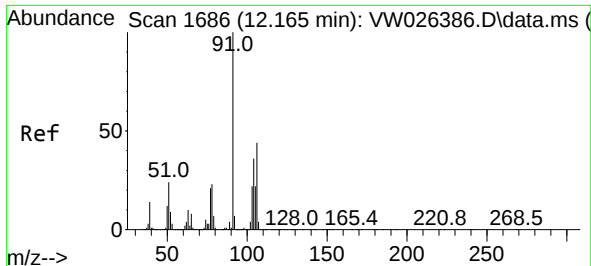
Tgt Ion:106 Resp: 247454

Ion Ratio Lower Upper

106 100

91 208.6 152.1 282.5

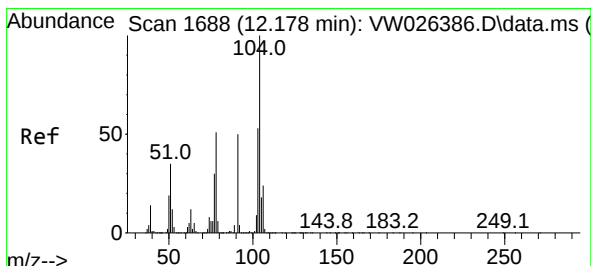
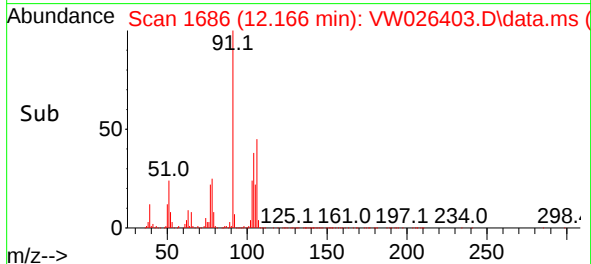
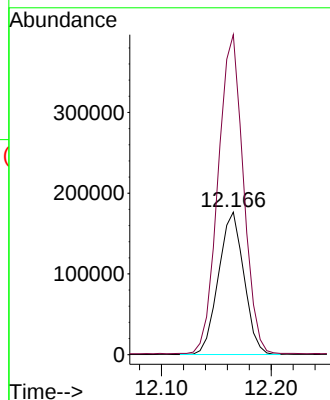
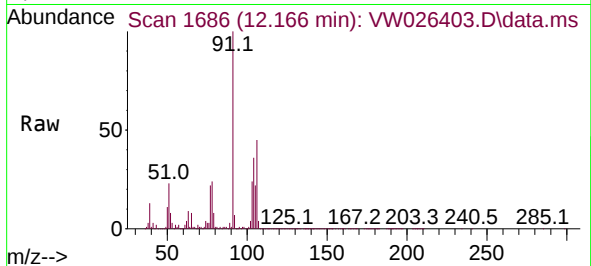




#54
o-Xylene
Concen: 24.161 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

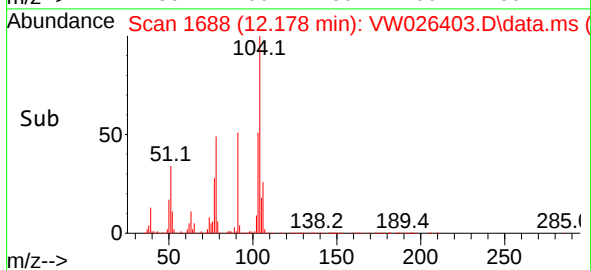
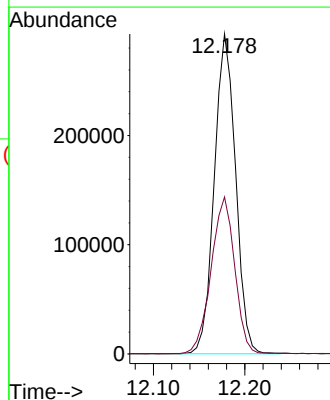
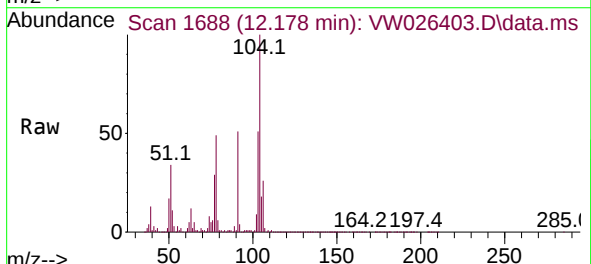
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

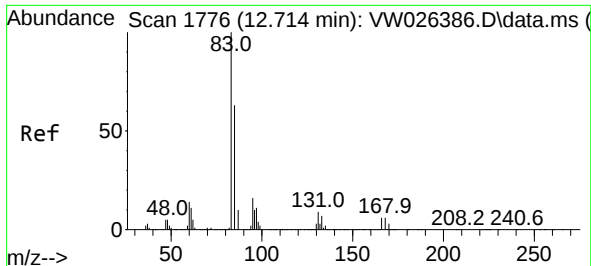
Tgt Ion:106 Resp: 284116
Ion Ratio Lower Upper
106 100
91 224.4 161.5 299.9



#55
Styrene
Concen: 23.062 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion:104 Resp: 472991
Ion Ratio Lower Upper
104 100
78 49.0 33.3 61.9





#57

1,1,2-Tetrachloroethane

Concen: 31.814 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

A46K6MSD

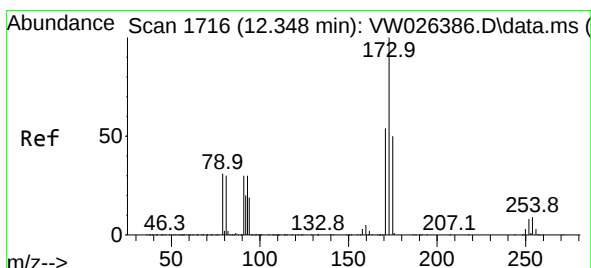
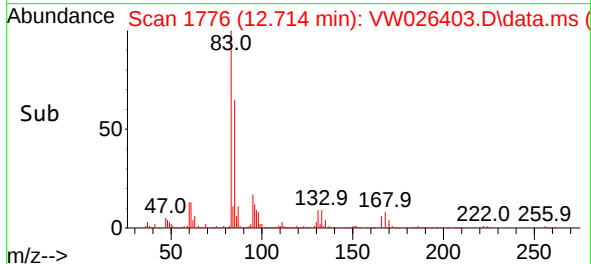
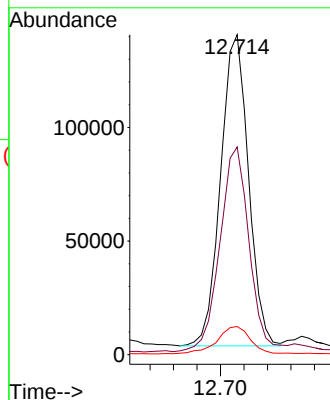
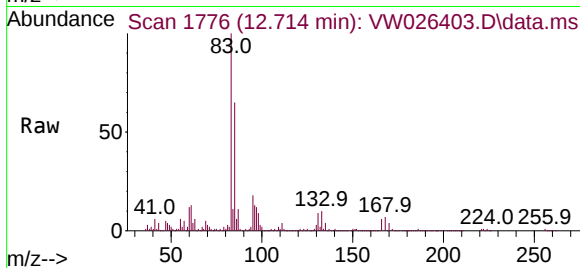
Tgt Ion: 83 Resp: 225365

Ion Ratio Lower Upper

83 100

85 64.9 43.7 81.1

131 8.8 7.4 11.0



#59

Bromoform

Concen: 43.342 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

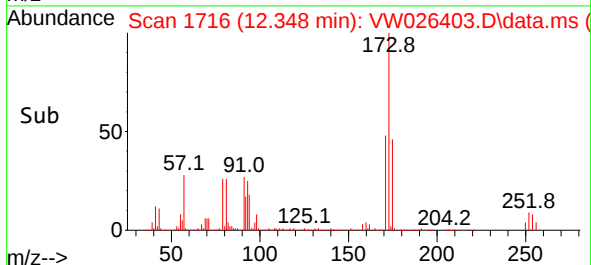
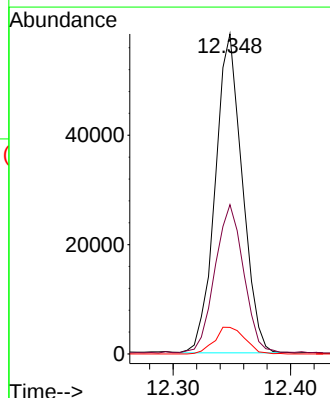
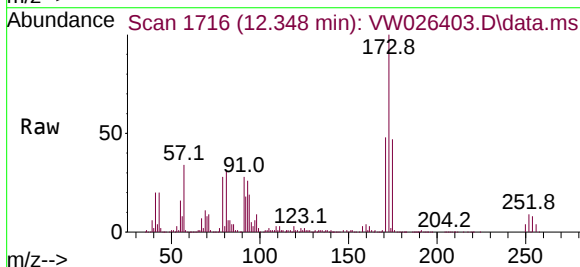
Tgt Ion:173 Resp: 93213

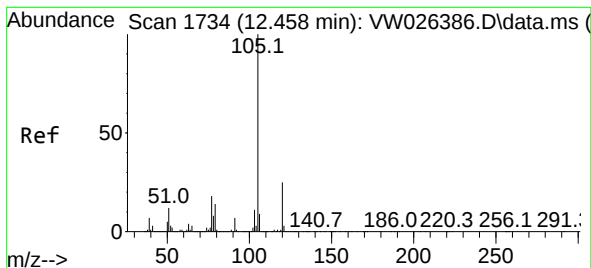
Ion Ratio Lower Upper

173 100

175 49.4 39.7 59.5

254 9.4 7.1 10.7





#60

Isopropylbenzene

Concen: 28.082 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

A46K6MSD

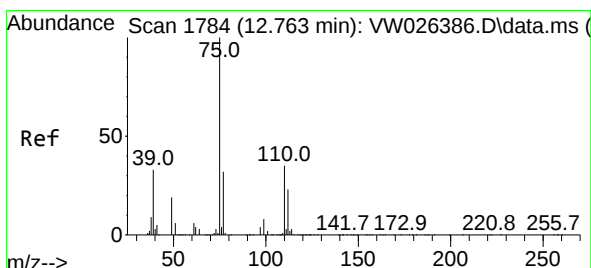
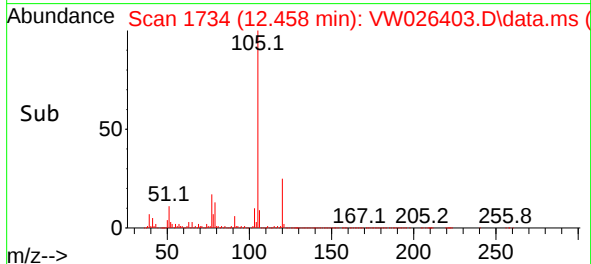
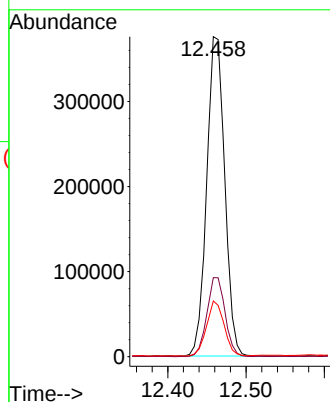
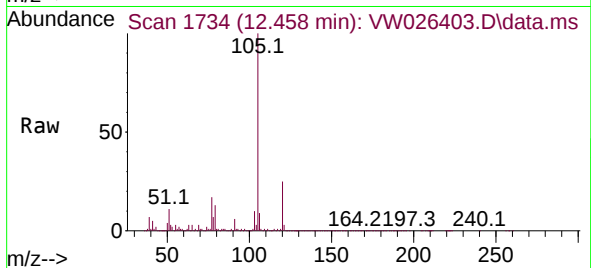
Tgt Ion:105 Resp: 600033

Ion Ratio Lower Upper

105 100

120 25.0 20.4 30.6

77 16.7 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 54.953 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

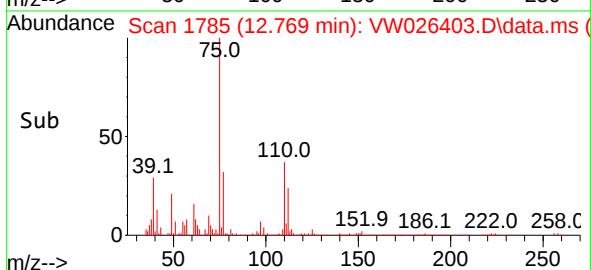
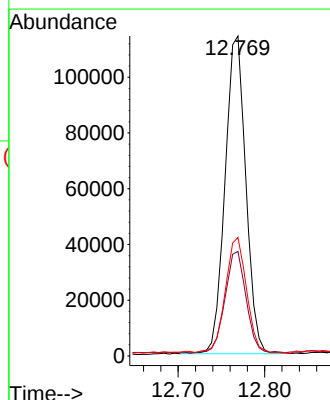
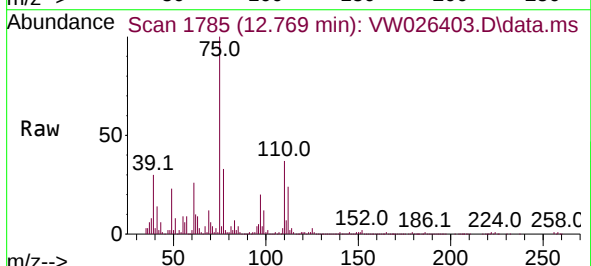
Tgt Ion: 75 Resp: 189907

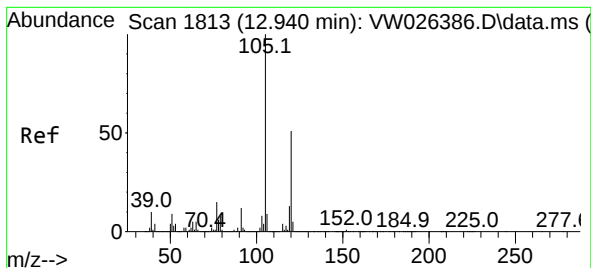
Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9

110 36.7 29.4 44.0

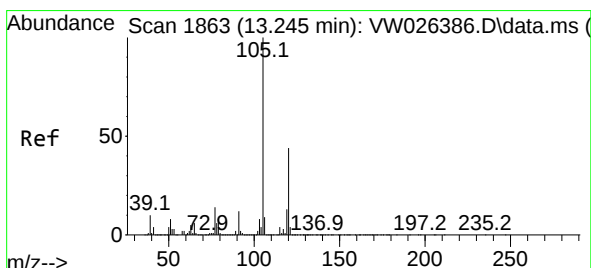
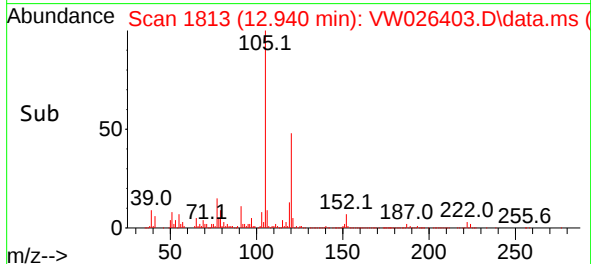
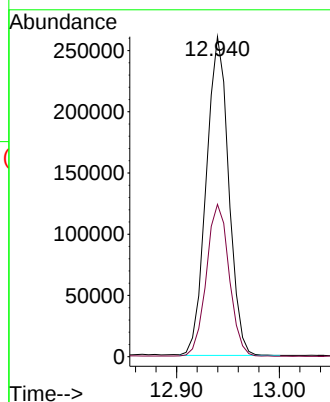
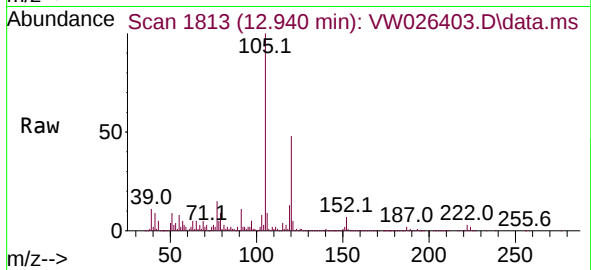




#62
1,3,5-Trimethylbenzene
Concen: 23.857 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

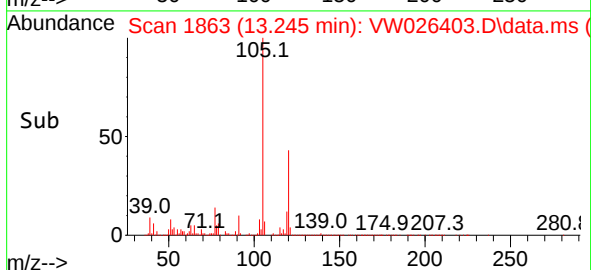
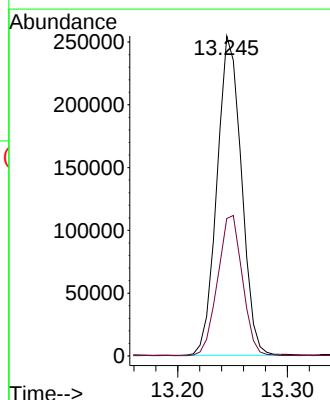
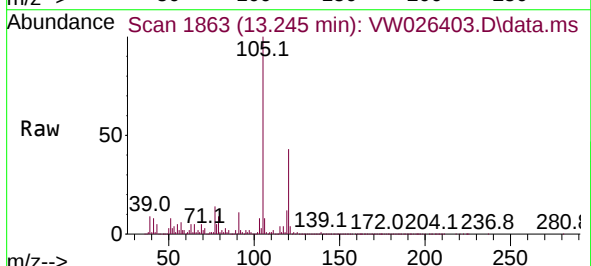
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

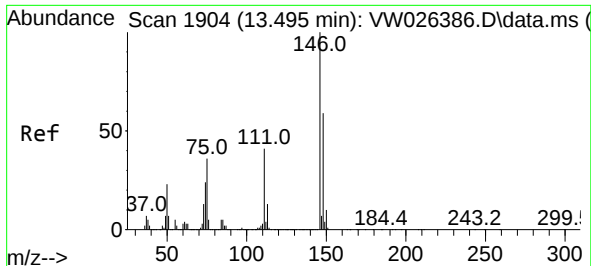
Tgt Ion:105 Resp: 395156
Ion Ratio Lower Upper
105 100
120 48.2 38.1 57.1



#63
1,2,4-Trimethylbenzene
Concen: 24.670 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion:105 Resp: 394098
Ion Ratio Lower Upper
105 100
120 44.5 35.0 52.6

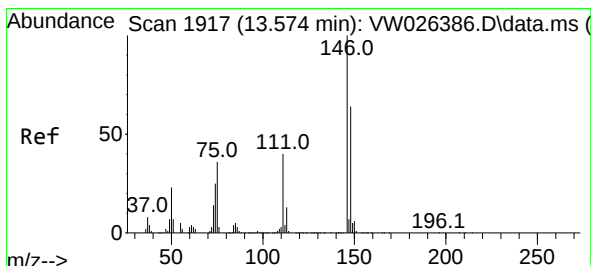
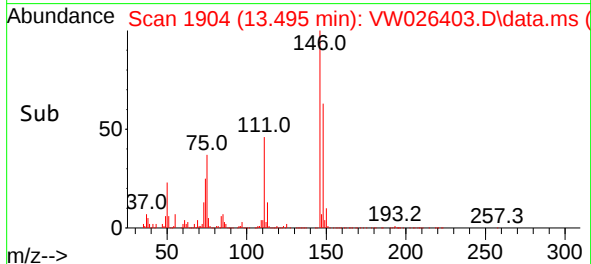
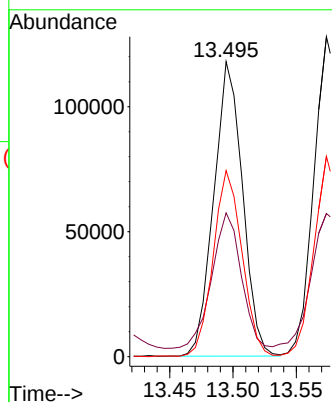
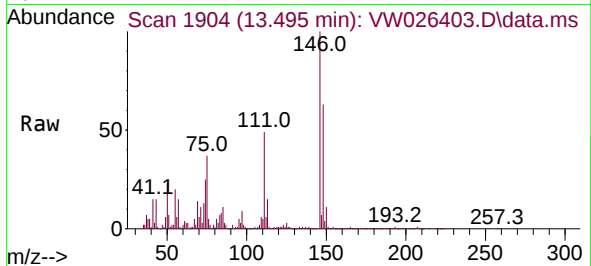




#64
1,3-Dichlorobenzene
Concen: 20.338 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

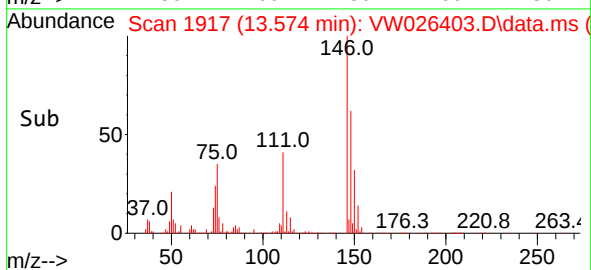
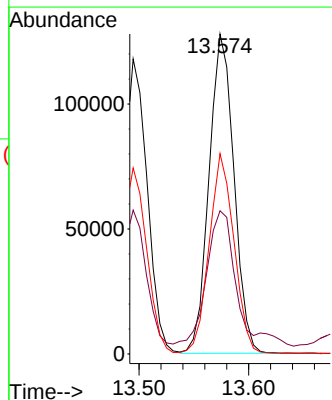
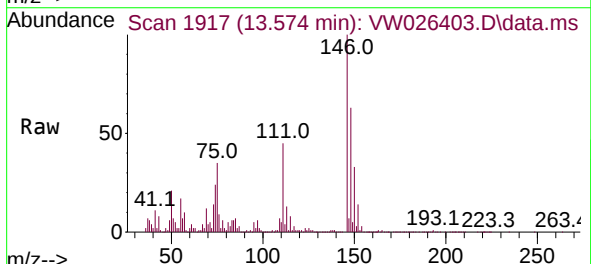
Instrument :
MSVOA_W
ClientSampleId :
A46K6MSD

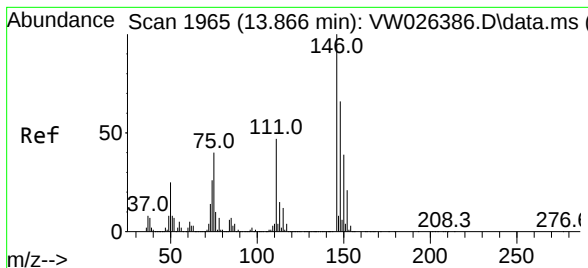
Tgt Ion:146 Resp: 186132
Ion Ratio Lower Upper
146 100
111 48.8 30.8 57.2
148 63.1 43.3 80.3



#65
1,4-Dichlorobenzene
Concen: 22.024 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026403.D
Acq: 28 Jun 2023 17:09

Tgt Ion:146 Resp: 201714
Ion Ratio Lower Upper
146 100
111 44.8 30.0 55.8
148 62.6 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 21.491 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

A46K6MSD

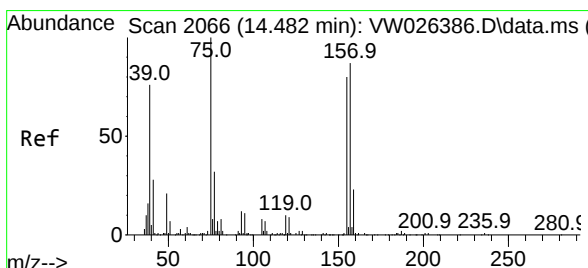
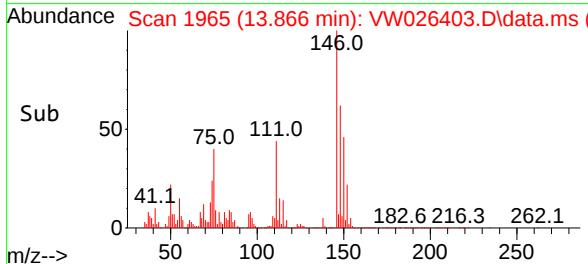
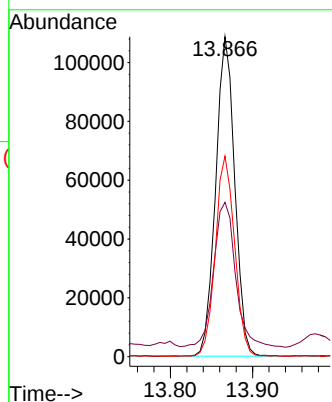
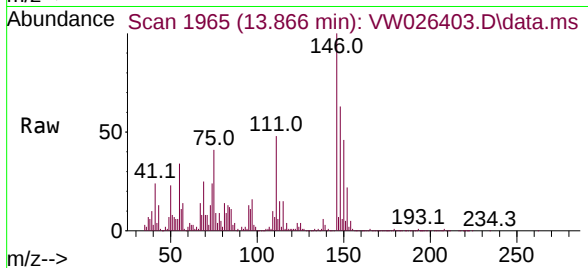
Tgt Ion:146 Resp: 175176

Ion Ratio Lower Upper

146 100

111 48.3 36.0 54.0

148 62.6 47.8 71.8



#68

1,2-Dibromo-3-chloropropane

Concen: 43.316 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

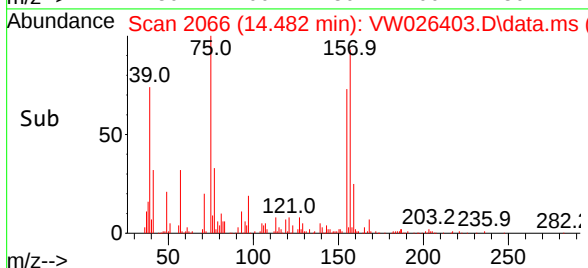
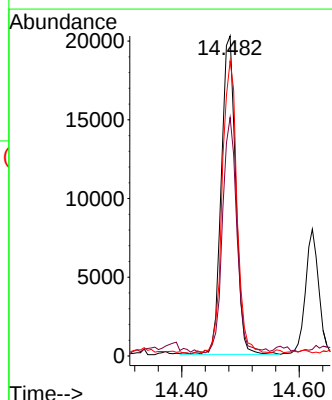
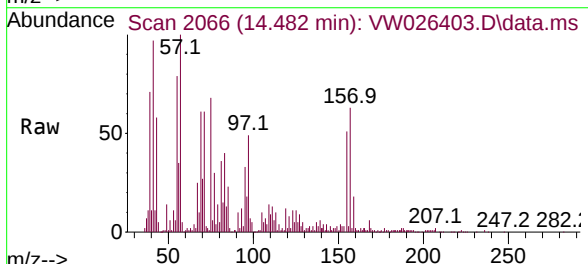
Tgt Ion: 75 Resp: 34501

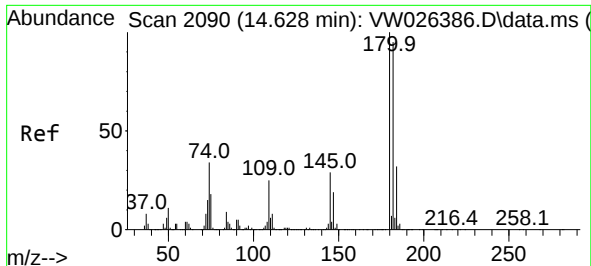
Ion Ratio Lower Upper

75 100

155 74.5 57.5 86.3

157 92.2 73.4 110.0





#69

1,3,5-Trichlorobenzene

Concen: 9.201 ug/L

RT: 14.622 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

A46K6MSD

Tgt Ion:180 Resp: 54106

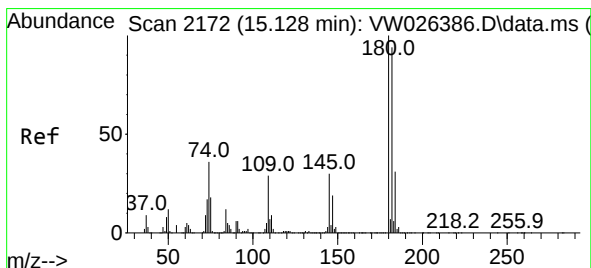
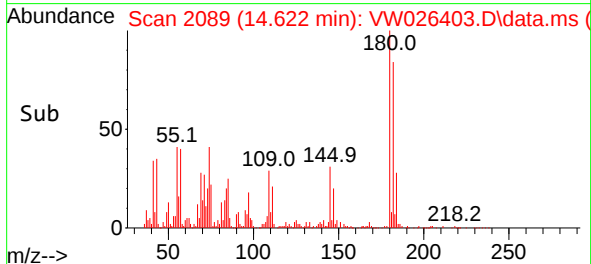
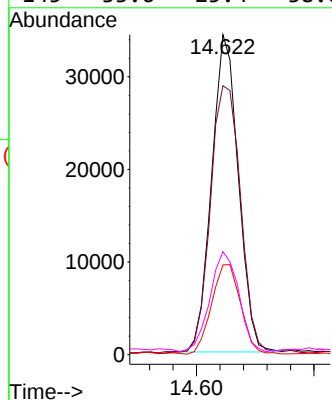
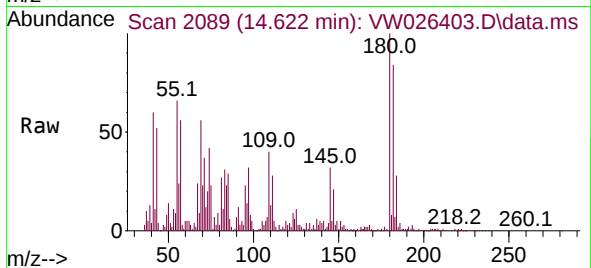
Ion Ratio Lower Upper

180 100

182 94.2 74.2 111.4

184 30.9 23.8 35.6

145 33.6 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 9.504 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

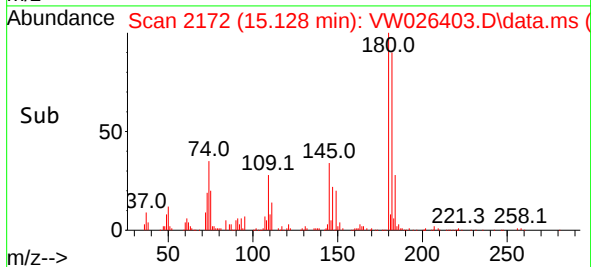
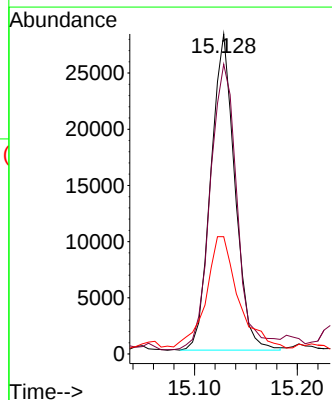
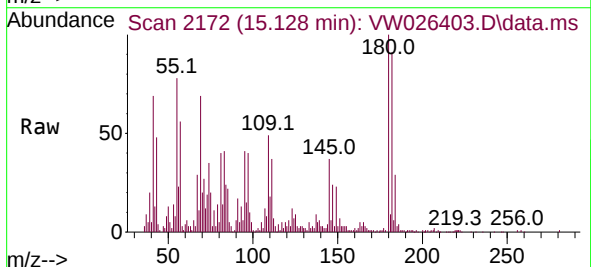
Tgt Ion:180 Resp: 45738

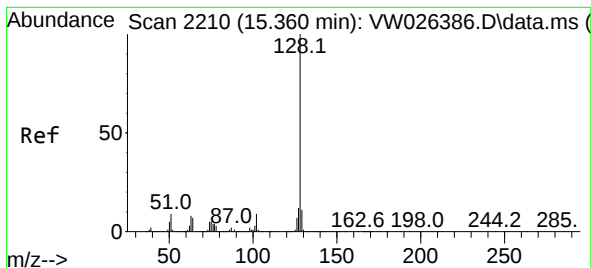
Ion Ratio Lower Upper

180 100

182 99.7 75.6 113.4

145 46.5 24.7 37.1#





#71

Naphthalene

Concen: 21.131 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Instrument :

MSVOA_W

ClientSampleId :

A46K6MSD

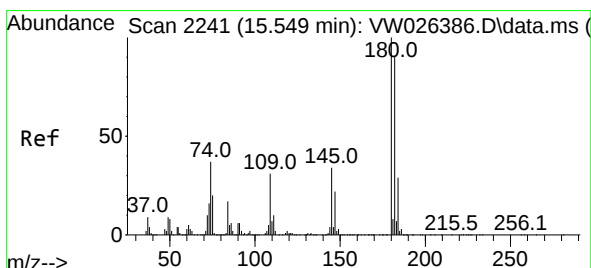
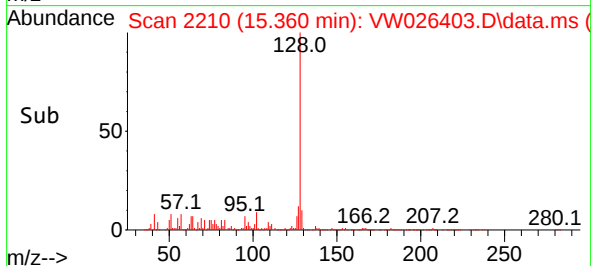
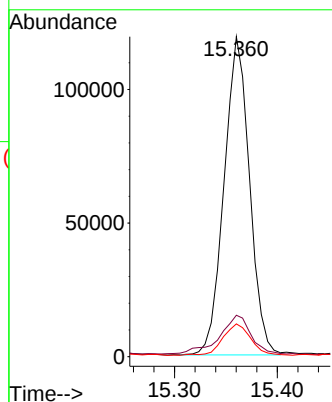
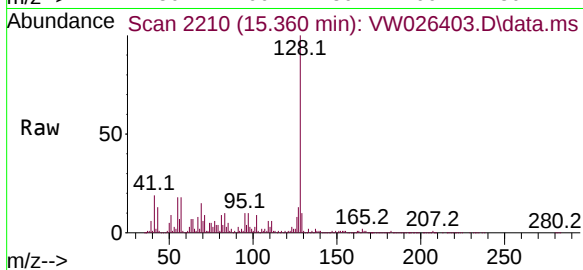
Tgt Ion:128 Resp: 204429

Ion Ratio Lower Upper

128 100

127 15.2 10.9 16.3

129 10.6 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 8.324 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026403.D

Acq: 28 Jun 2023 17:09

Tgt Ion:180 Resp: 37403

Ion Ratio Lower Upper

180 100

182 97.0 75.0 112.6

145 52.9 28.5 42.7#

