

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090823\
 Data File : VW027017.D
 Acq On : 08 Sep 2023 11:13
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 02:56:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 08 01:32:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	475959	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	483837	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	264084	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	169459	19.929	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.720%
7) Chloroethane-d5	2.893	69	151996	22.148	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	4.021	65	65860	21.016	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.080%
21) 2-Butanone-d5	7.075	46	76559	46.727	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.460%
24) Chloroform-d	7.648	84	329619	23.273	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.080%
26) 1,2-Dichloroethane-d4	8.307	65	173887	23.358	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.440%
32) Benzene-d6	8.276	84	674231	21.245	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	9.270	67	203832	21.878	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.520%
41) Toluene-d8	10.325	98	599897	20.879	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.520%
43) trans-1,3-Dichloroprop...	10.575	79	78567	21.730	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.920%
47) 2-Hexanone-d5	10.922	63	41103	47.255	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.500%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	173142	23.947	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	13.849	152	204993	22.444	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	114429	20.900	ug/L	96
3) Chloromethane	2.229	50	188690	22.848	ug/L	97
5) Vinyl chloride	2.375	62	209708	22.261	ug/L	100
6) Bromomethane	2.783	94	136959	22.029	ug/L	91
8) Chloroethane	2.930	64	136234	23.047	ug/L	97
9) Trichlorofluoromethane	3.259	101	104858	19.185	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	151118	22.264	ug/L	94
12) 1,1-Dichloroethene	4.051	96	144741	21.523	ug/L	96
13) Acetone	4.119	43	67629	47.141	ug/L	96
14) Carbon disulfide	4.393	76	479824	22.246	ug/L	99
15) Methyl Acetate	4.673	43	77890	26.113	ug/L #	90
16) Methylene chloride	4.923	84	173201	18.783	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	160400	21.793	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	236370	23.063	ug/L	99
19) 1,1-Dichloroethane	6.216	63	325496	23.460	ug/L	100
20) cis-1,2-Dichloroethene	7.167	96	176508	21.792	ug/L	93
22) 2-Butanone	7.173	43	103625	44.892	ug/L	98
23) Bromochloromethane	7.514	128	80351	22.859	ug/L	89
25) Chloroform	7.679	83	323680	23.786	ug/L	95

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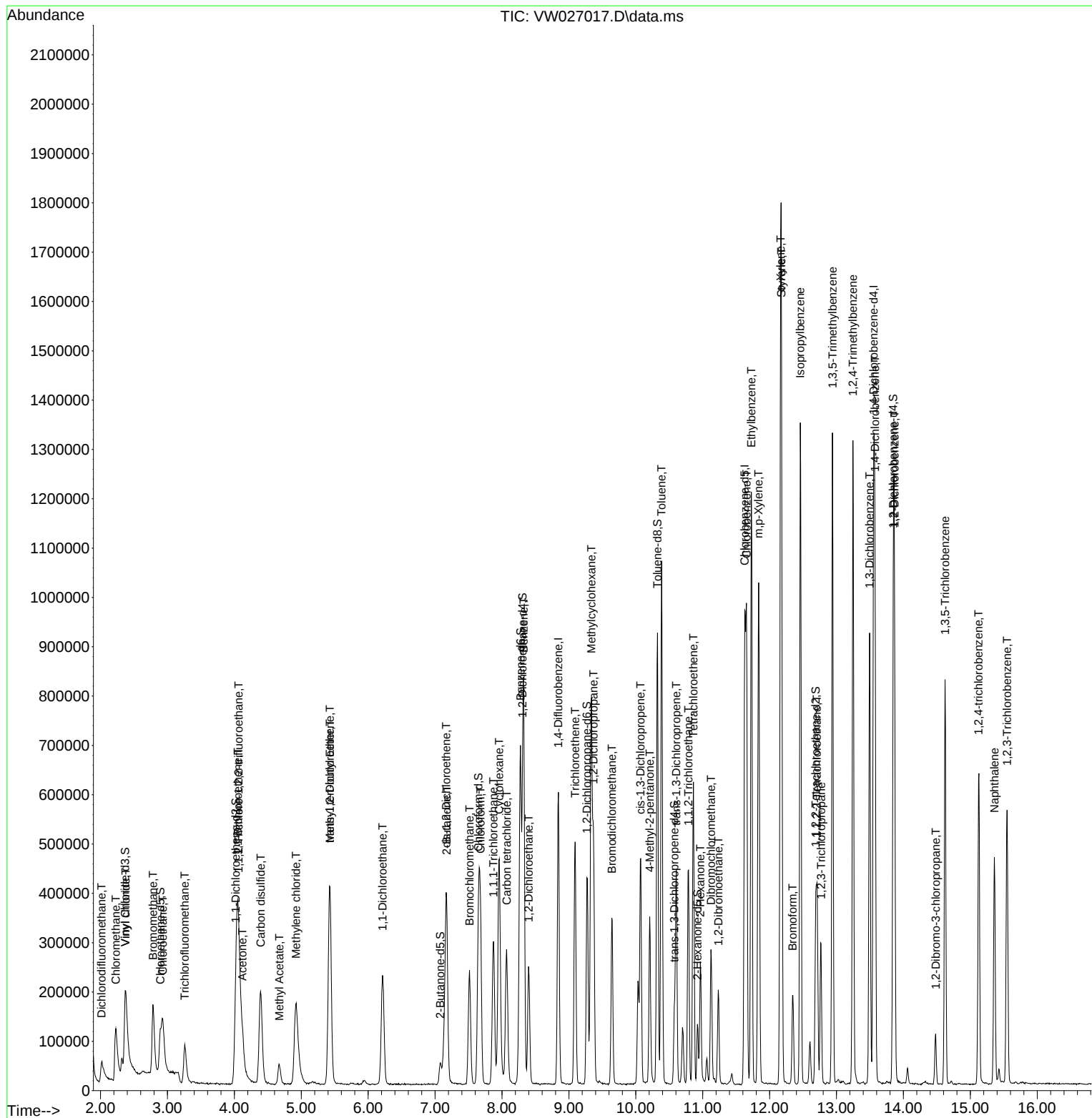
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	218688	25.427	ug/L	98
29) Cyclohexane	7.959	56	267930	21.240	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	236421	21.572	ug/L	98
31) Carbon tetrachloride	8.069	117	211854	21.688	ug/L	100
33) Benzene	8.325	78	730573	22.079	ug/L	100
34) Trichloroethene	9.093	95	182312	21.444	ug/L	98
35) Methylcyclohexane	9.337	83	306752	21.236	ug/L	96
37) 1,2-Dichloropropane	9.368	63	194524	23.037	ug/L	99
38) Bromodichloromethane	9.642	83	230609	23.190	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	280234	22.355	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	218739	50.177	ug/L	97
42) Toluene	10.386	91	765220	22.472	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	235642	23.149	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	138216	22.722	ug/L	98
46) Tetrachloroethene	10.861	164	140416	21.636	ug/L	97
48) 2-Hexanone	10.965	43	152709	51.400	ug/L	98
49) Dibromochloromethane	11.123	129	140948	22.494	ug/L	90
50) 1,2-Dibromoethane	11.233	107	126511	22.973	ug/L	97
51) Chlorobenzene	11.654	112	468465	21.359	ug/L	94
52) Ethylbenzene	11.727	91	826007	21.881	ug/L	98
53) m,p-Xylene	11.837	106	311450	21.810	ug/L	89
54) o-Xylene	12.166	106	299620	22.424	ug/L	96
55) Styrene	12.178	104	541776	23.758	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	177819	24.711	ug/L	99
59) Bromoform	12.343	173	81483	21.696	ug/L	92
60) Isopropylbenzene	12.459	105	817467	22.597	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	124494	24.643	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	648518	22.465	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	659206	23.357	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	367565	22.334	ug/L	92
65) 1,4-Dichlorobenzene	13.574	146	376900	22.532	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	338246	22.811	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.483	75	27001	23.569	ug/L	91
69) 1,3,5-Trichlorobenzene	14.623	180	251316	21.983	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	202891	21.797	ug/L	97
71) Naphthalene	15.360	128	378578	22.985	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	184847	21.906	ug/L	99

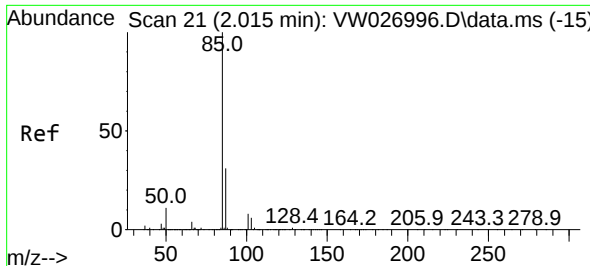
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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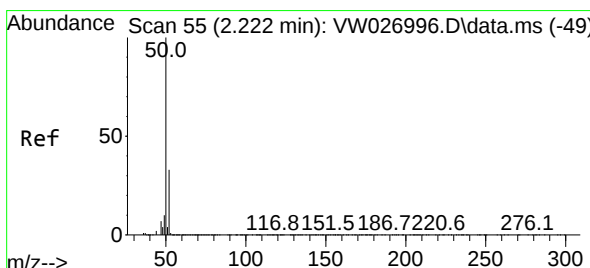
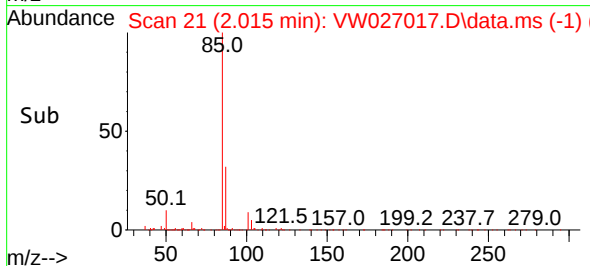
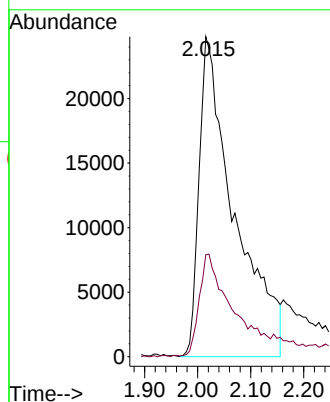
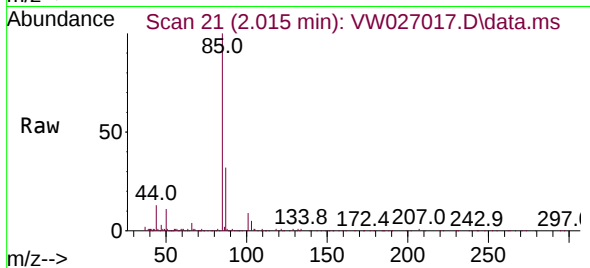




#2
Dichlorodifluoromethane
Concen: 20.900 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

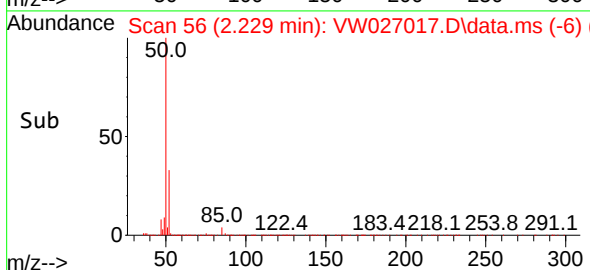
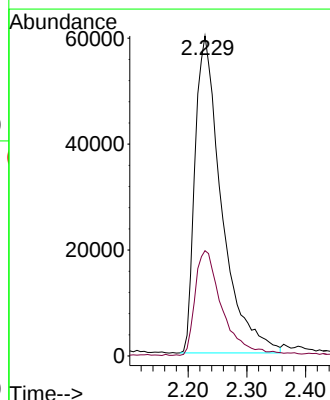
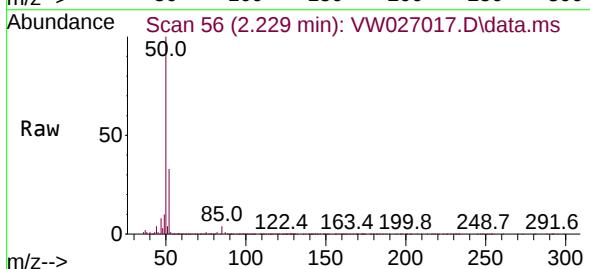
Instrument :
MSVOA_W
ClientSampleId :

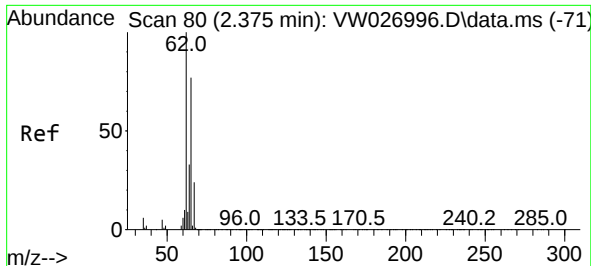
Tgt Ion: 85 Resp: 114429
Ion Ratio Lower Upper
85 100
87 25.7 19.1 28.7



#3
Chloromethane
Concen: 22.848 ug/L
RT: 2.229 min Scan# 56
Delta R.T. 0.006 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion: 50 Resp: 188690
Ion Ratio Lower Upper
50 100
52 32.9 24.1 44.7

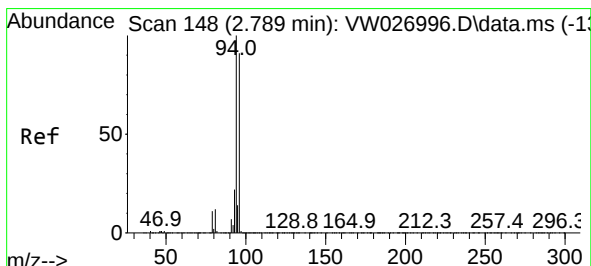
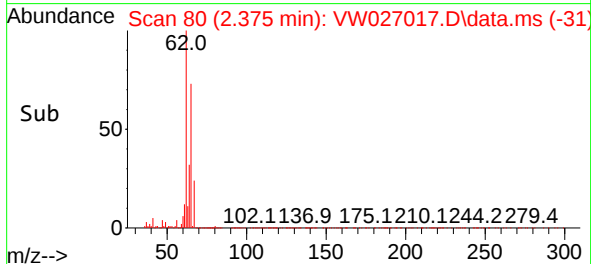
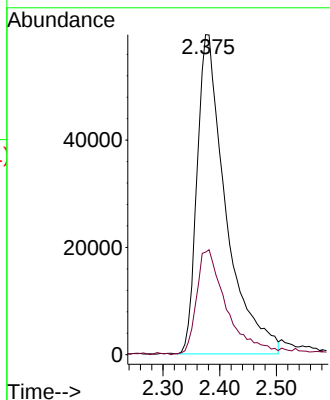
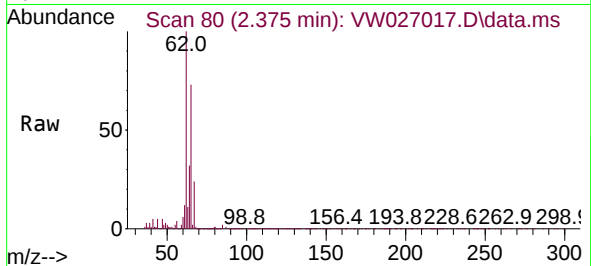




#5
 Vinyl chloride
 Concen: 22.261 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW027017.D
 Acq: 08 Sep 2023 11:13

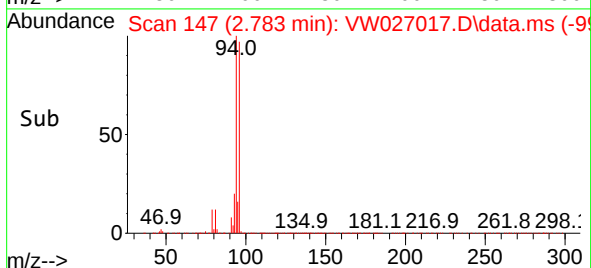
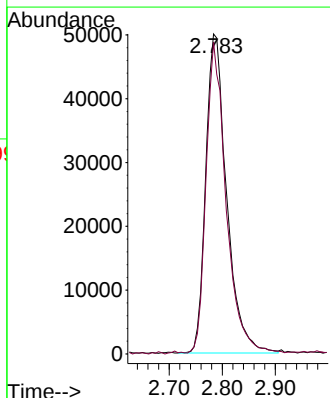
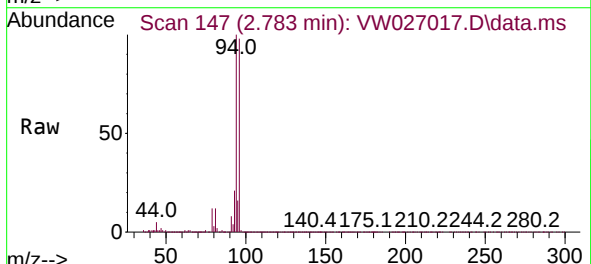
Instrument :
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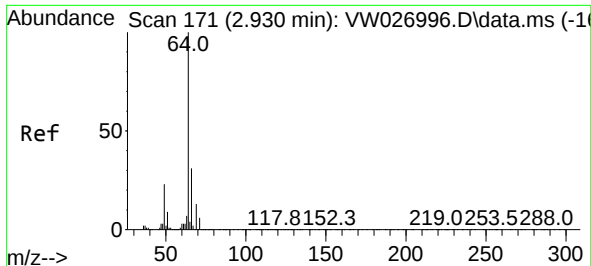
Tgt Ion: 62 Resp: 209708
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.3 41.3



#6
 Bromomethane
 Concen: 22.029 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW027017.D
 Acq: 08 Sep 2023 11:13

Tgt Ion: 94 Resp: 136959
 Ion Ratio Lower Upper
 94 100
 96 97.5 62.6 116.2

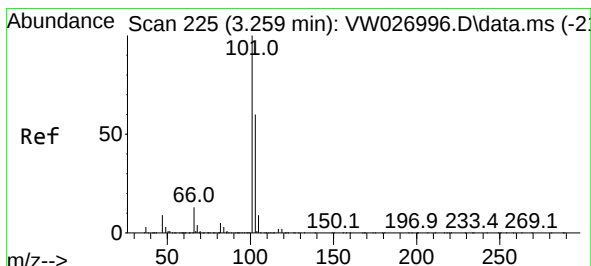
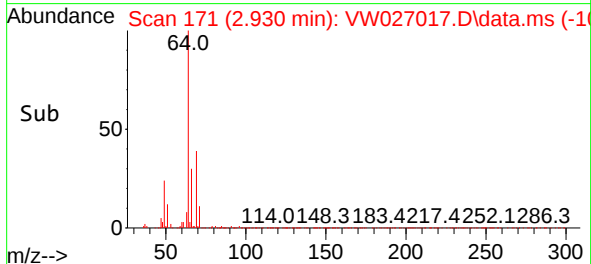
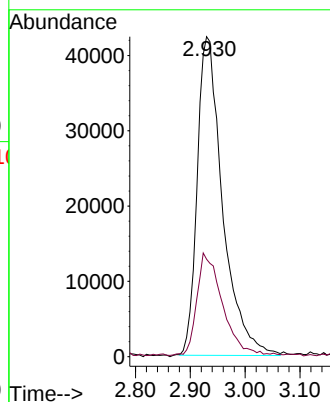
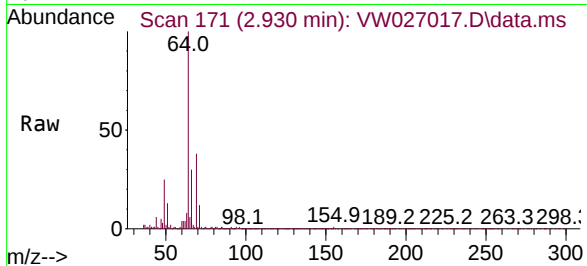




#8
Chloroethane
Concen: 23.047 ug/L
RT: 2.930 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

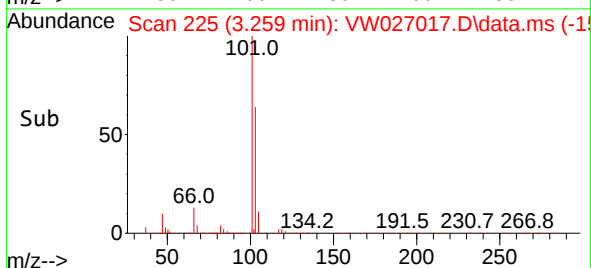
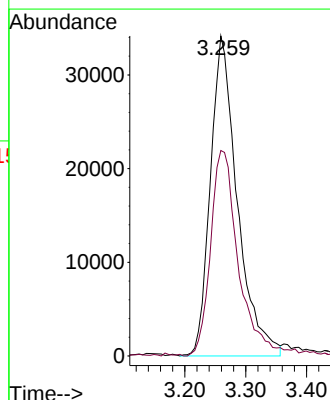
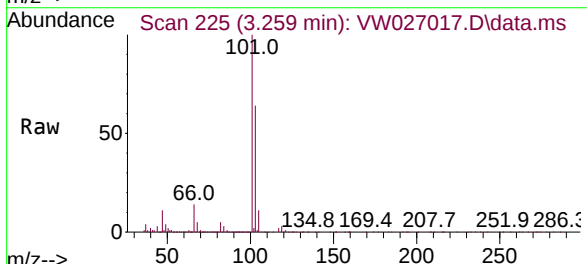
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MSVOA_W
ClientSampleId :

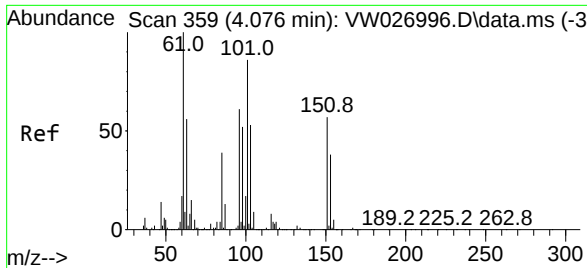
Tgt Ion: 64 Resp: 136234
Ion Ratio Lower Upper
64 100
66 30.5 22.5 41.7



#9
Trichlorofluoromethane
Concen: 19.185 ug/L
RT: 3.259 min Scan# 225
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion: 101 Resp: 104858
Ion Ratio Lower Upper
101 100
103 65.4 50.2 75.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 22.264 ug/L

RT: 4.064 min Scan# 359

Delta R.T. -0.012 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

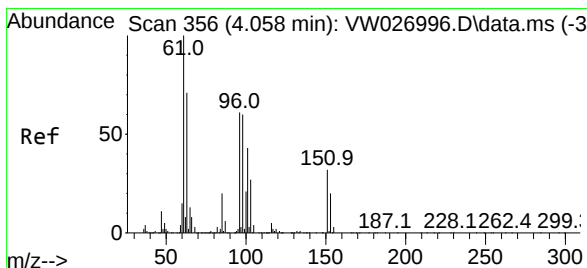
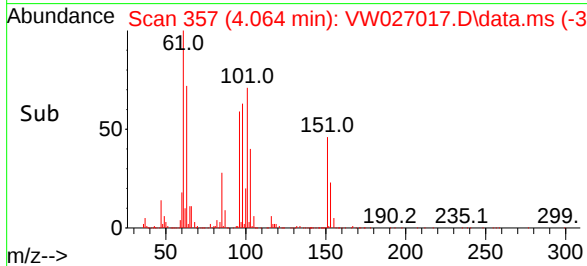
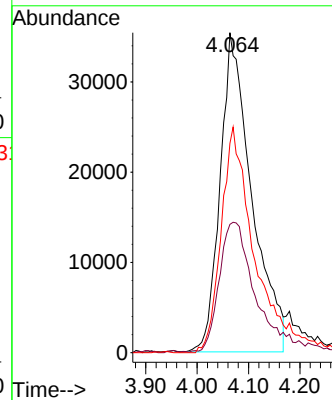
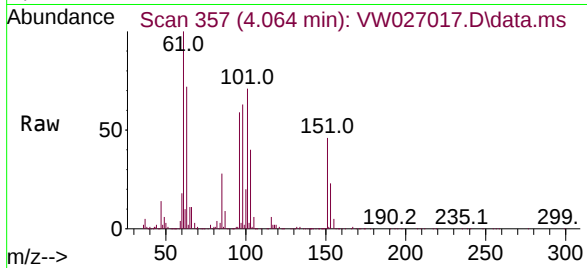
Tgt Ion:101 Resp: 151118

Ion Ratio Lower Upper

101 100

85 45.3 31.1 46.7

151 70.7 54.2 81.2



#12

1,1-Dichloroethene

Concen: 21.523 ug/L

RT: 4.051 min Scan# 355

Delta R.T. -0.006 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

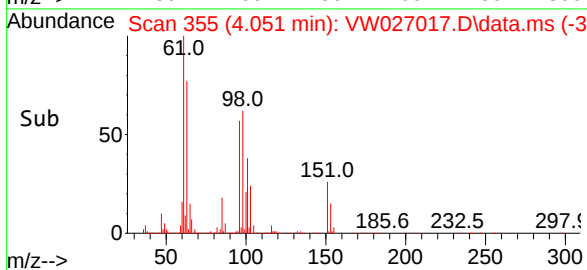
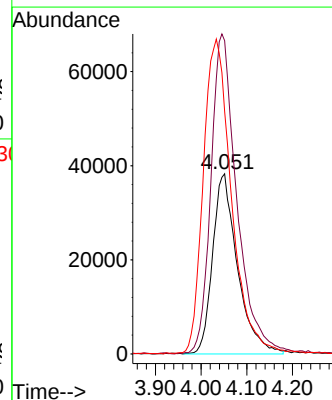
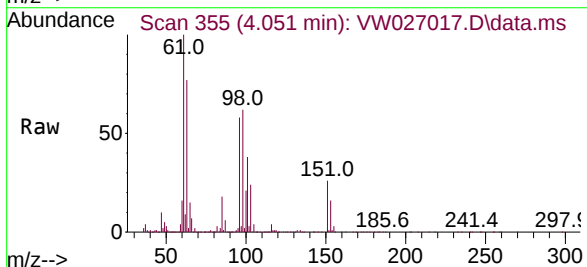
Tgt Ion: 96 Resp: 144741

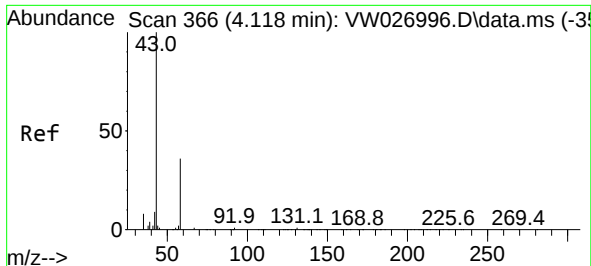
Ion Ratio Lower Upper

96 100

61 173.9 117.0 217.4

63 134.6 97.3 180.7

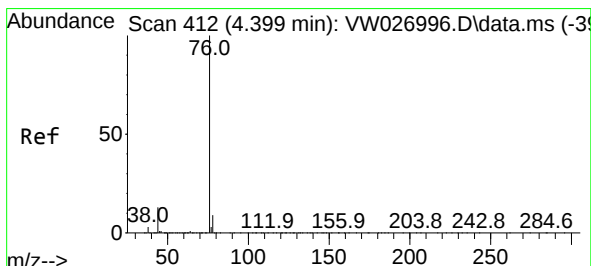
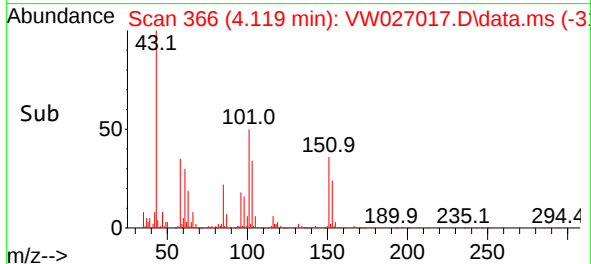
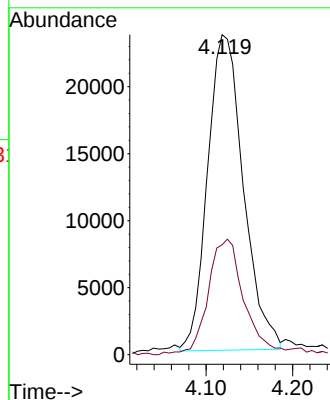
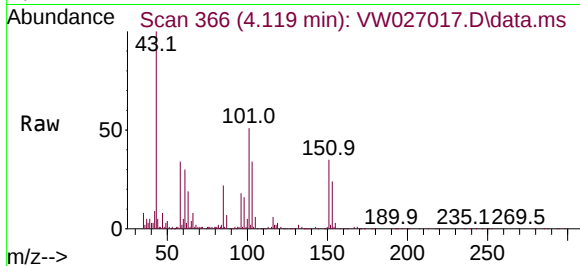




#13
Acetone
Concen: 47.141 ug/L
RT: 4.119 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

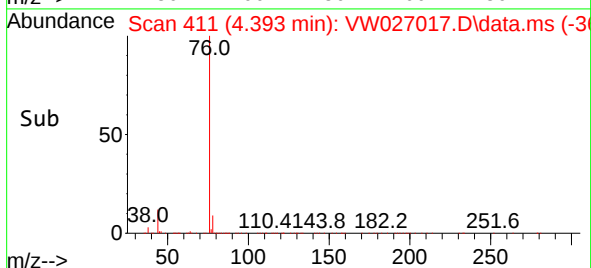
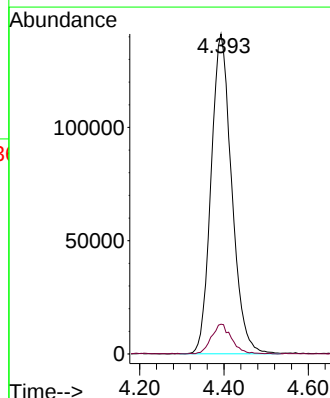
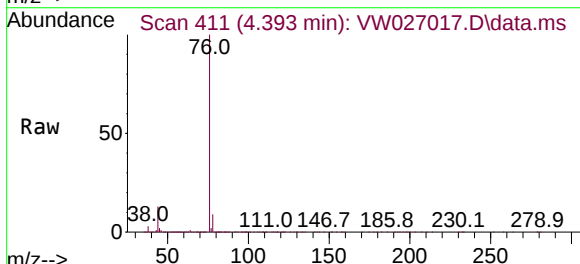
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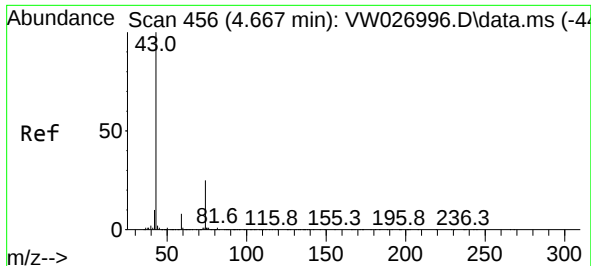
Tgt Ion: 43 Resp: 67629
Ion Ratio Lower Upper
43 100
58 35.2 0.0 66.4



#14
Carbon disulfide
Concen: 22.246 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 479824
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.8

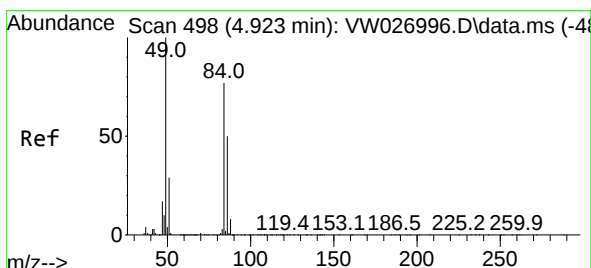
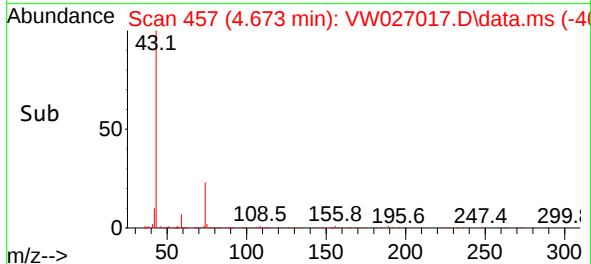
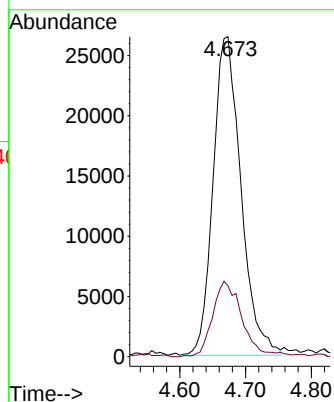
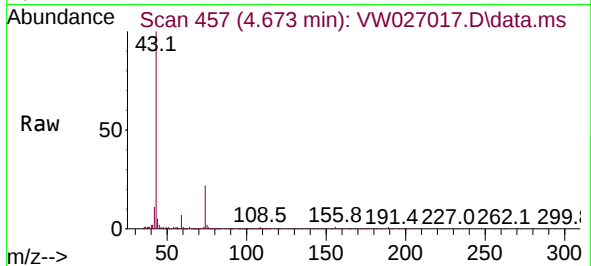




#15
Methyl Acetate
Concen: 26.113 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

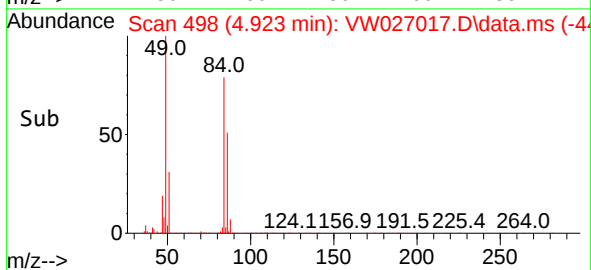
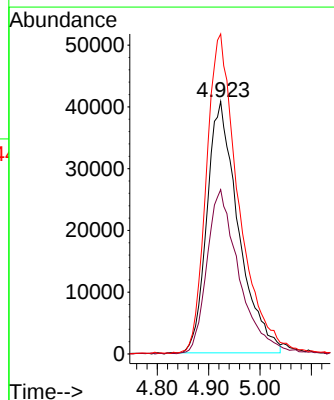
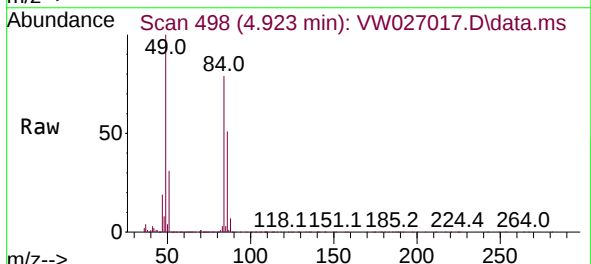
Instrument :
MSVOA_W
ClientSampleId :

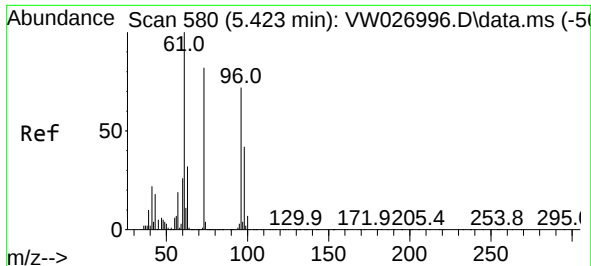
Tgt Ion: 43 Resp: 77890
Ion Ratio Lower Upper
43 100
74 23.8 0.1 0.1#



#16
Methylene chloride
Concen: 18.783 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion: 84 Resp: 173201
Ion Ratio Lower Upper
84 100
86 65.1 44.1 81.9
49 126.8 82.1 152.5

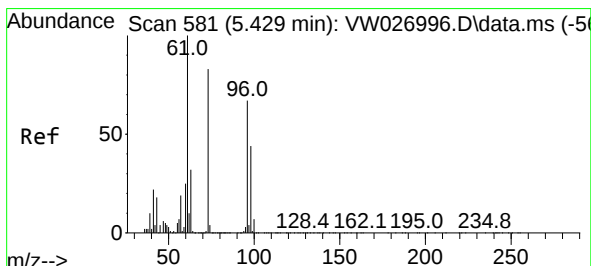
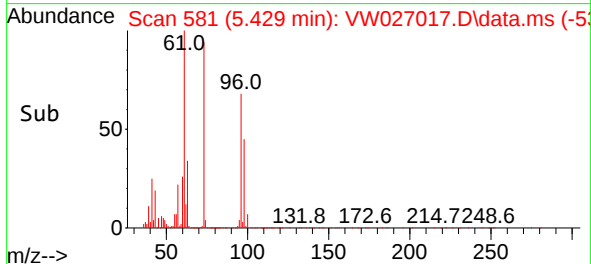
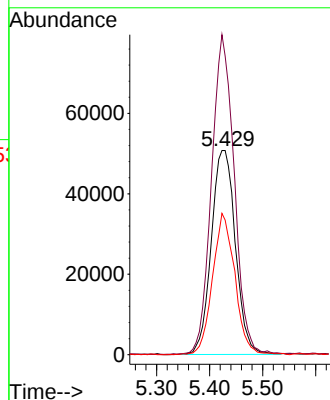
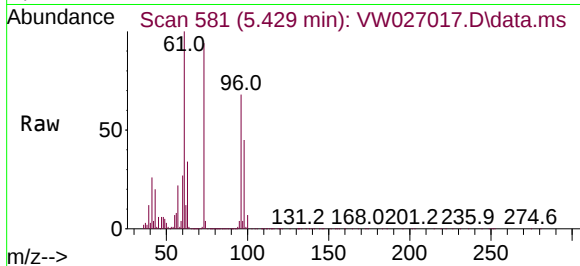




#17
trans-1,2-Dichloroethene
Concen: 21.793 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

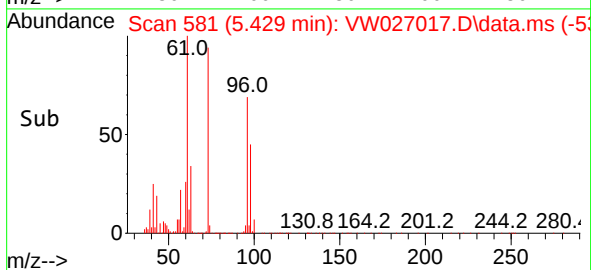
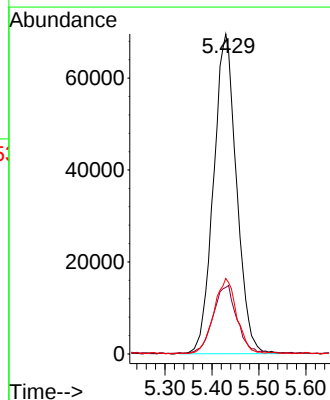
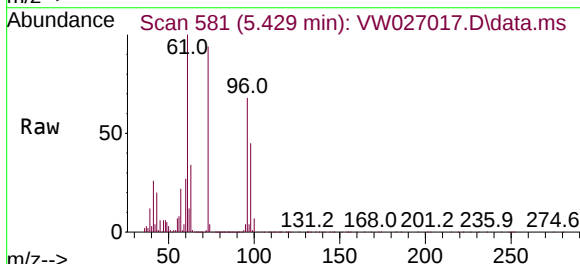
Instrument :
MSVOA_W
ClientSampleId :

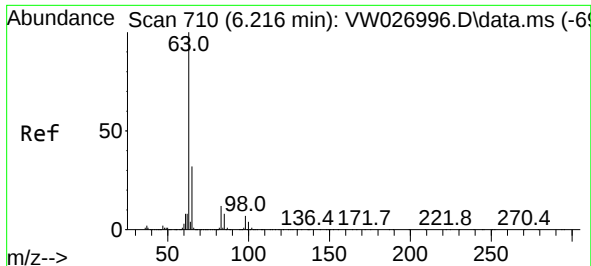
Tgt Ion: 96 Resp: 160400
Ion Ratio Lower Upper
96 100
61 146.2 100.3 186.3
98 65.9 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 23.063 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion: 73 Resp: 236370
Ion Ratio Lower Upper
73 100
43 21.6 16.5 24.7
57 23.3 18.5 27.7





#19

1,1-Dichloroethane

Concen: 23.460 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

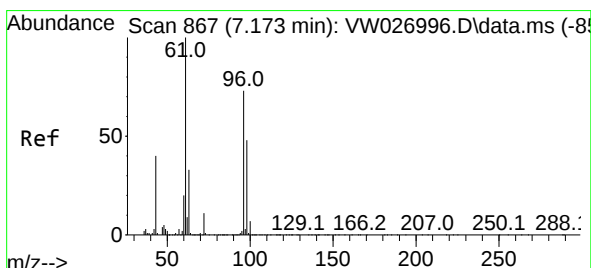
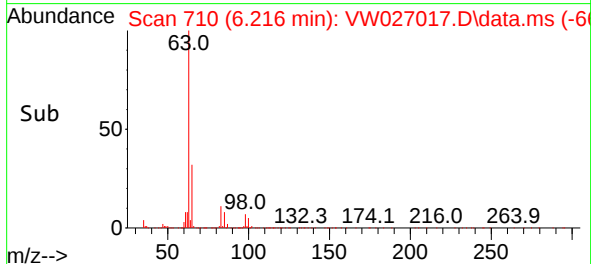
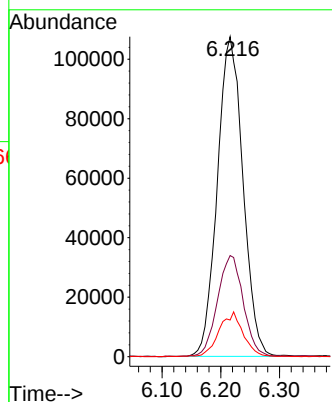
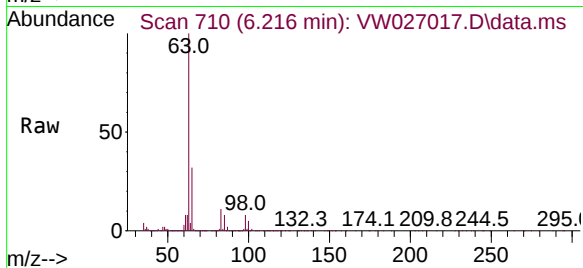
Tgt Ion: 63 Resp: 325496

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 11.4 8.3 15.3



#20

cis-1,2-Dichloroethene

Concen: 21.792 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

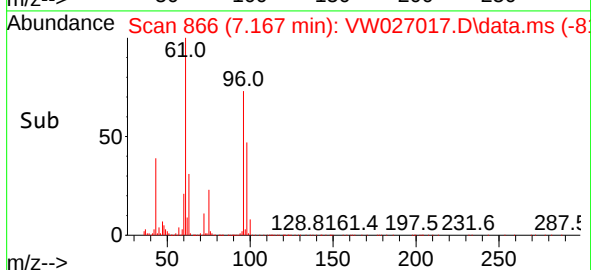
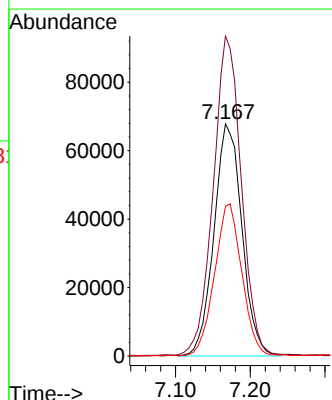
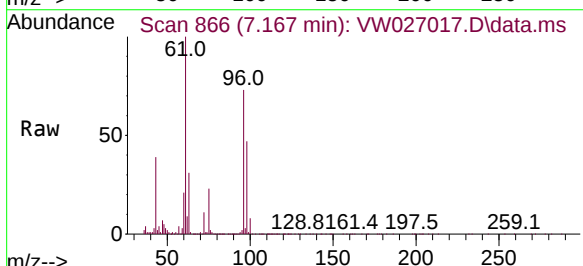
Tgt Ion: 96 Resp: 176508

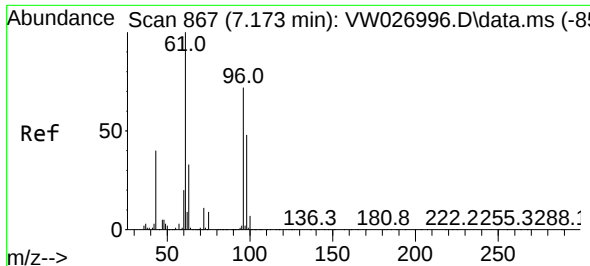
Ion Ratio Lower Upper

96 100

61 137.8 89.0 165.4

98 64.4 43.6 81.0

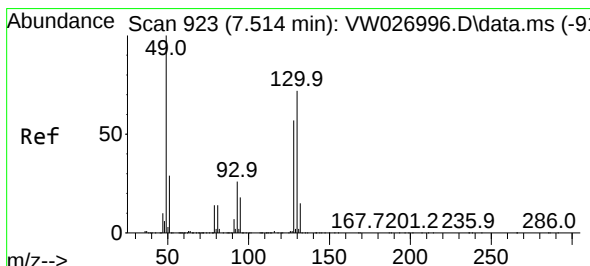
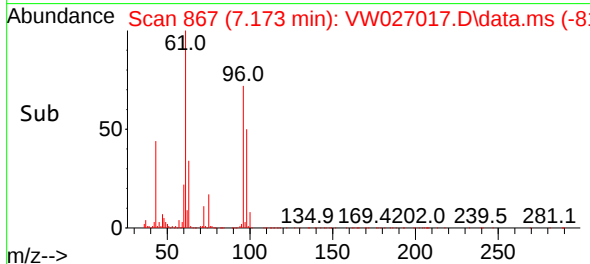
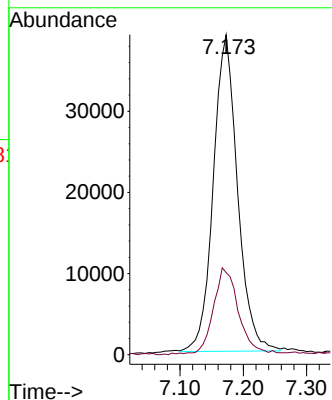
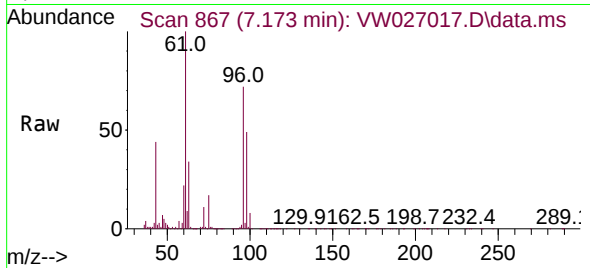




#22
2-Butanone
Concen: 44.892 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

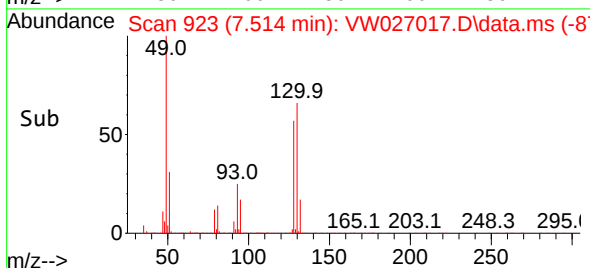
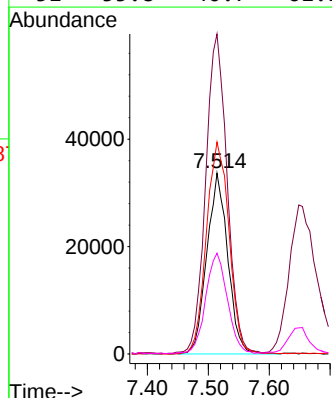
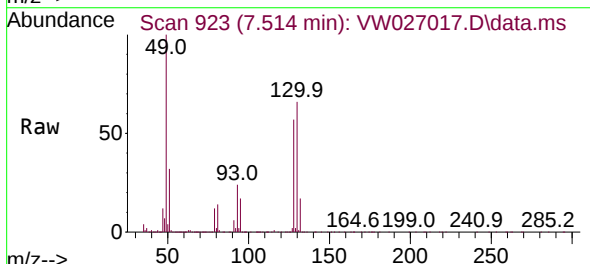
Instrument :
MSVOA_W
ClientSampleId :

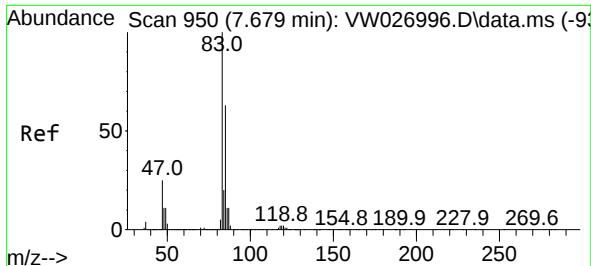
Tgt Ion: 43 Resp: 103625
Ion Ratio Lower Upper
43 100
72 27.7 14.4 43.0



#23
Bromochloromethane
Concen: 22.859 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion: 128 Resp: 80351
Ion Ratio Lower Upper
128 100
49 177.0 111.6 207.2
130 117.1 90.9 168.7
51 55.8 40.7 61.1

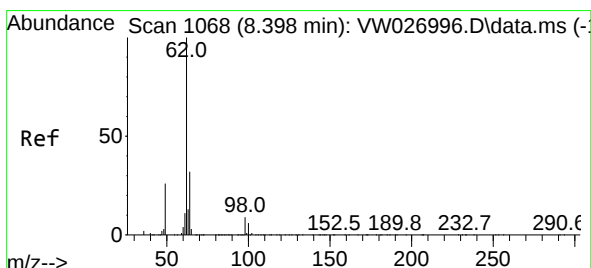
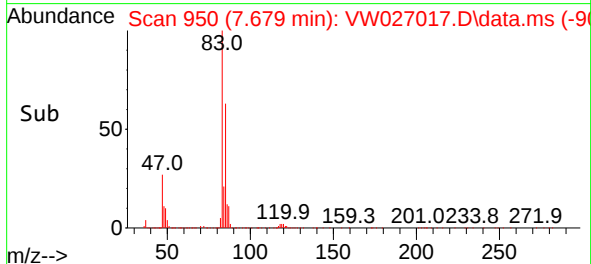
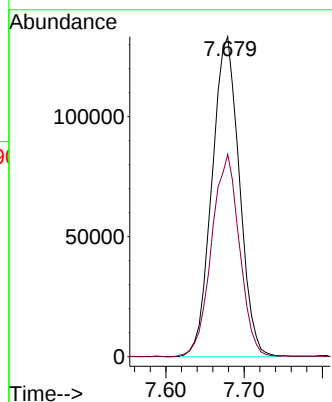
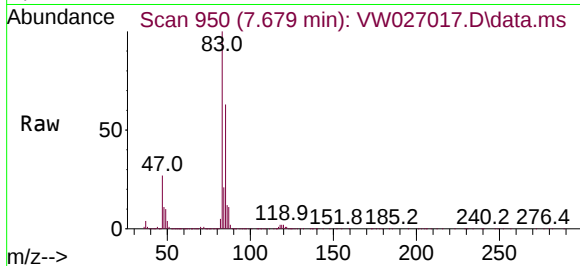




#25
Chloroform
Concen: 23.786 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

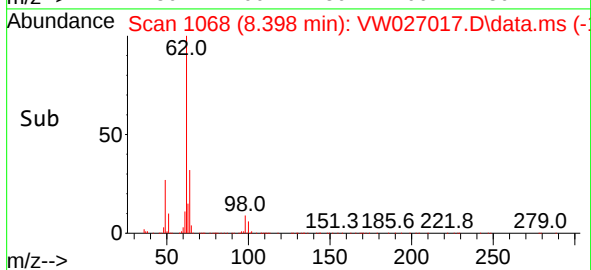
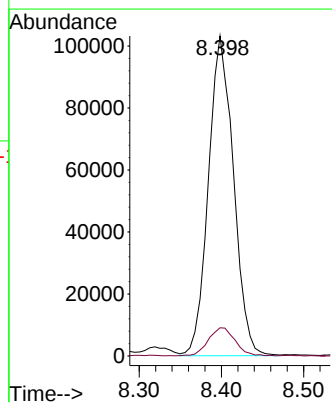
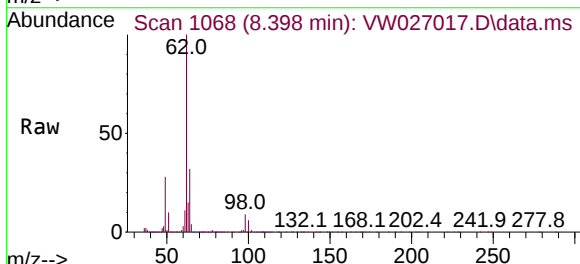
Instrument :
MSVOA_W
ClientSampleId :

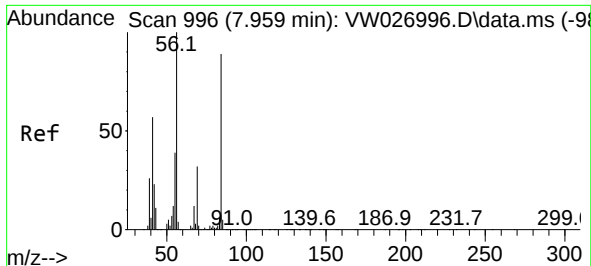
Tgt Ion: 83 Resp: 323680
Ion Ratio Lower Upper
83 100
85 63.2 47.3 87.9



#27
1,2-Dichloroethane
Concen: 25.427 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion: 62 Resp: 218688
Ion Ratio Lower Upper
62 100
98 8.8 7.6 11.4

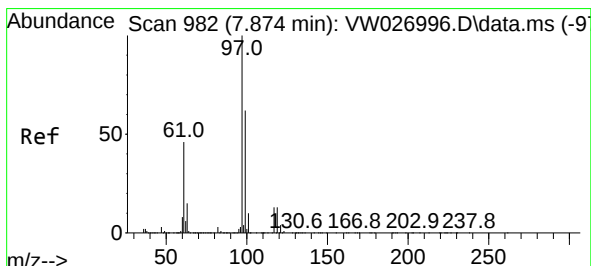
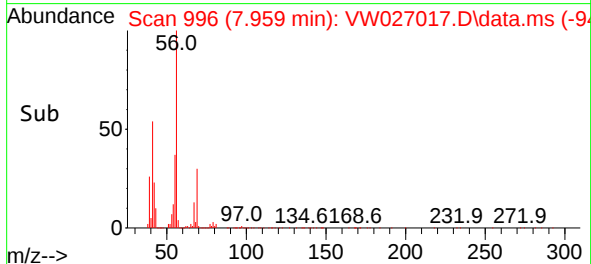
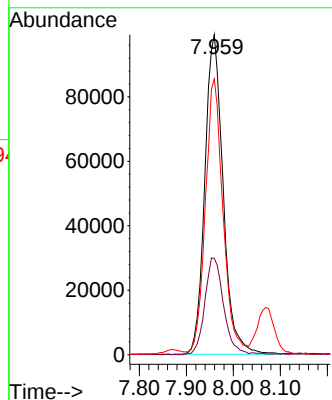
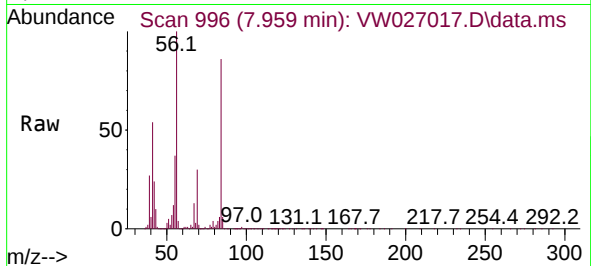




#29
Cyclohexane
Concen: 21.240 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

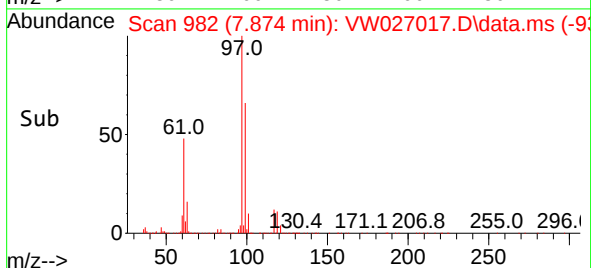
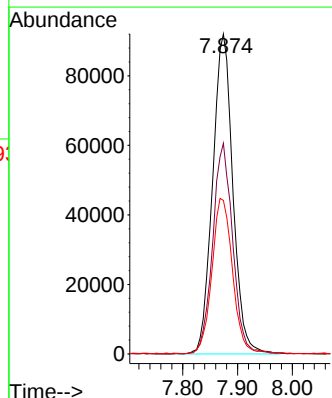
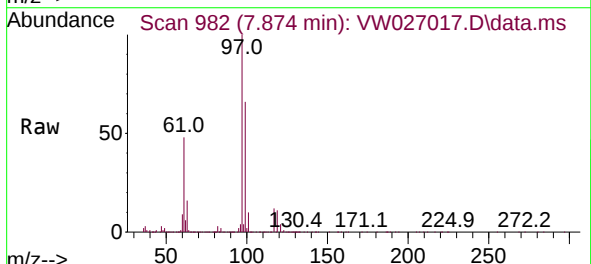
Instrument :
MSVOA_W
ClientSampleId :

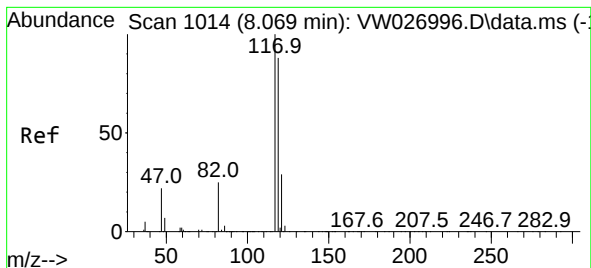
Tgt Ion: 56 Resp: 267930
Ion Ratio Lower Upper
56 100
69 30.9 24.8 37.2
84 83.4 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 21.572 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion: 97 Resp: 236421
Ion Ratio Lower Upper
97 100
99 64.8 50.8 76.2
61 49.2 37.6 56.4





#31

Carbon tetrachloride

Concen: 21.688 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

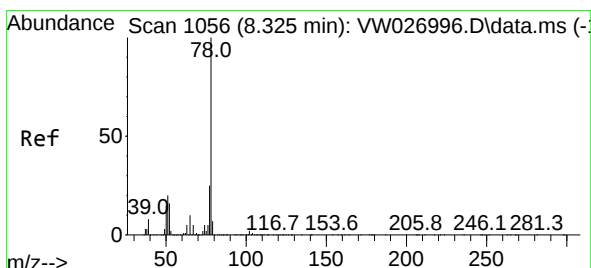
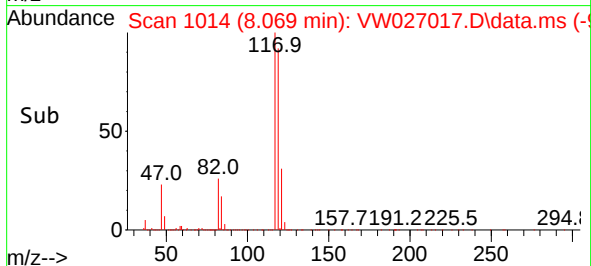
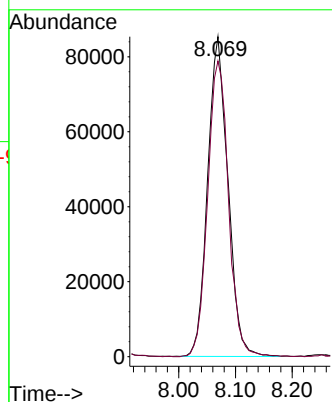
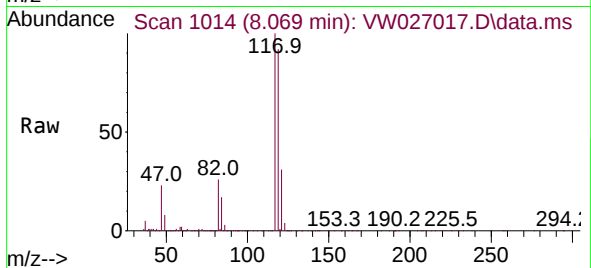
ClientSampleId :

Tgt Ion:117 Resp: 211854

Ion Ratio Lower Upper

117 100

119 95.1 76.1 114.1



#33

Benzene

Concen: 22.079 ug/L

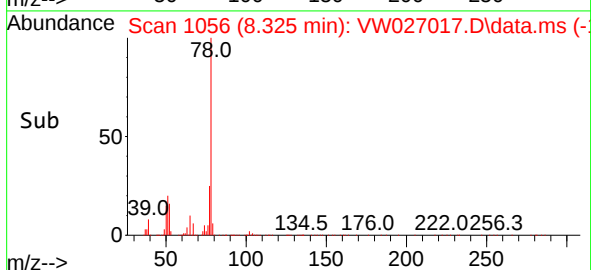
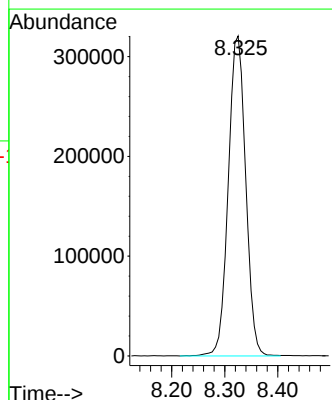
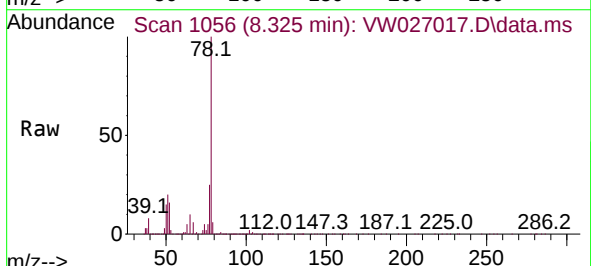
RT: 8.325 min Scan# 1056

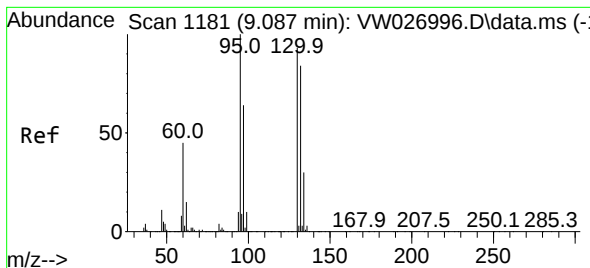
Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Tgt Ion: 78 Resp: 730573





#34

Trichloroethene

Concen: 21.444 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 182312

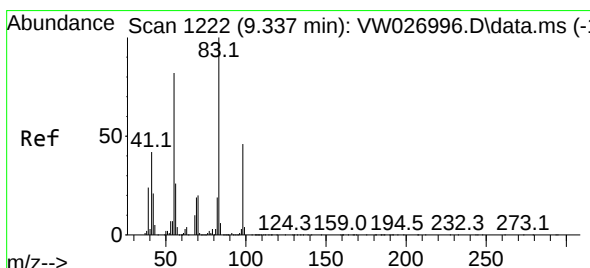
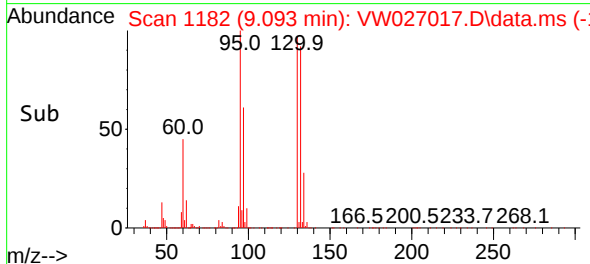
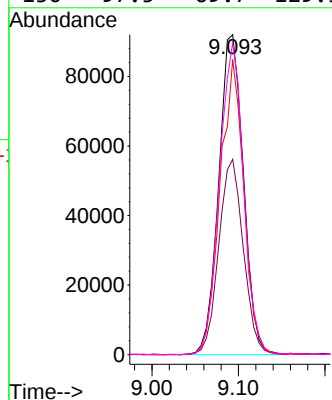
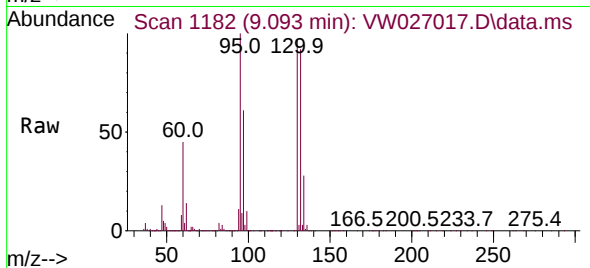
Ion Ratio Lower Upper

95 100

97 61.0 42.4 78.8

132 92.2 63.1 117.3

130 97.5 69.7 129.5



#35

Methylcyclohexane

Concen: 21.236 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

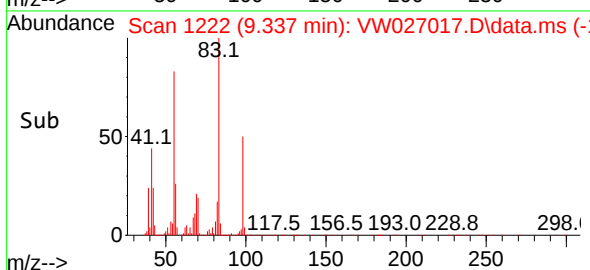
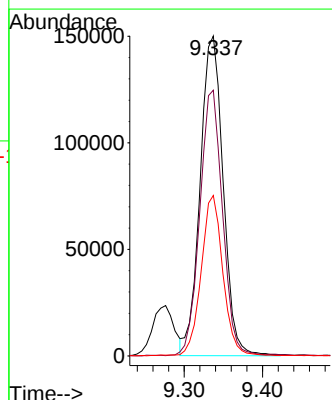
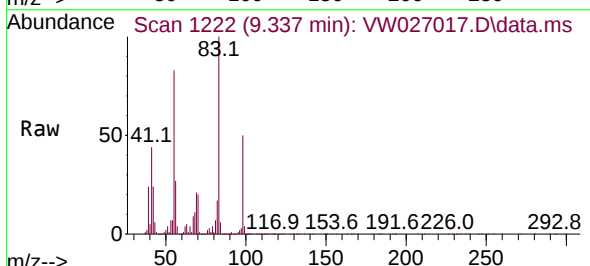
Tgt Ion: 83 Resp: 306752

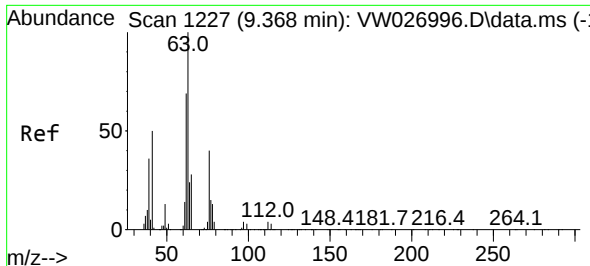
Ion Ratio Lower Upper

83 100

55 82.1 61.7 92.5

98 47.0 38.3 57.5





#37

1,2-Dichloropropane

Concen: 23.037 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

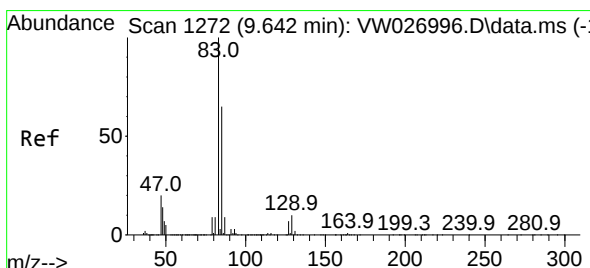
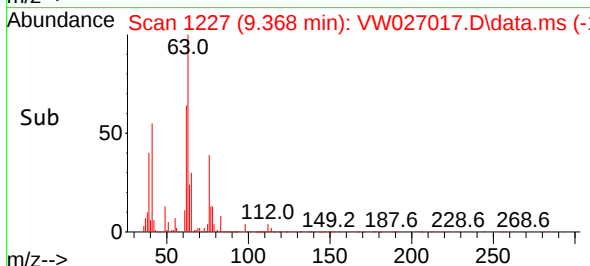
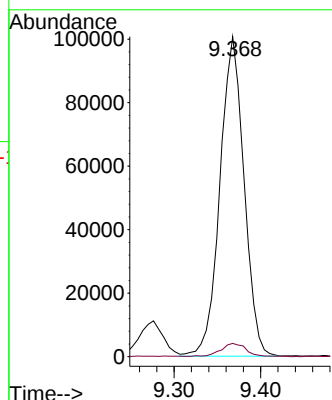
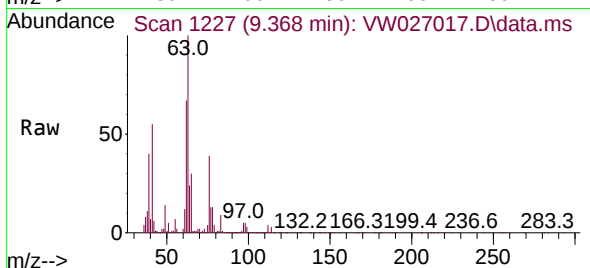
ClientSampleId :

Tgt Ion: 63 Resp: 194524

Ion Ratio Lower Upper

63 100

112 4.1 3.5 5.3



#38

Bromodichloromethane

Concen: 23.190 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

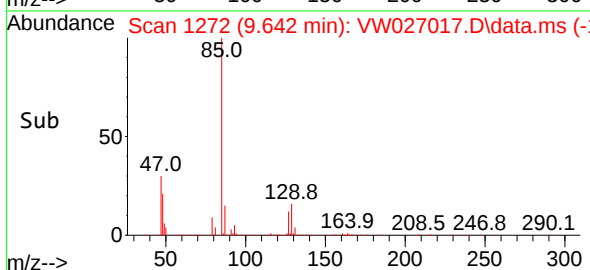
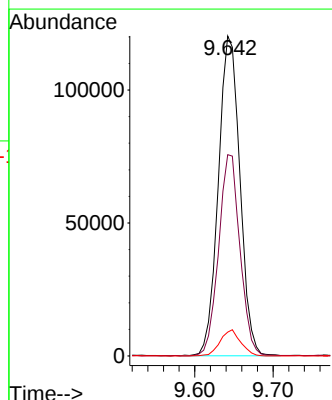
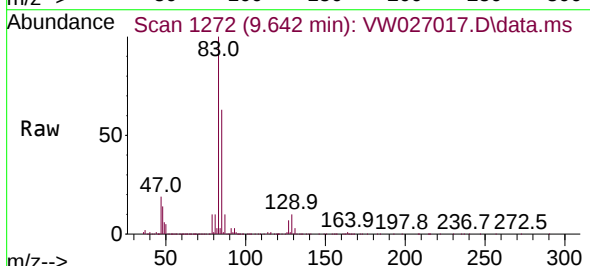
Tgt Ion: 83 Resp: 230609

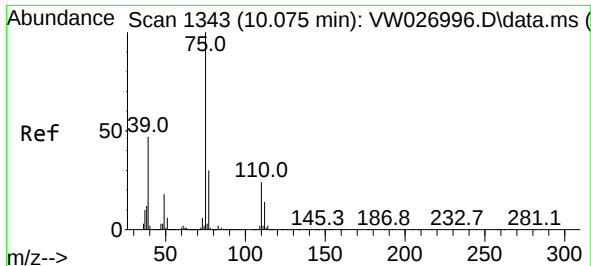
Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.4

127 7.4 6.0 9.0





#39

cis-1,3-Dichloropropene

Concen: 22.355 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

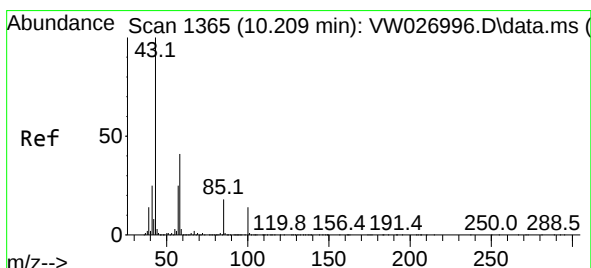
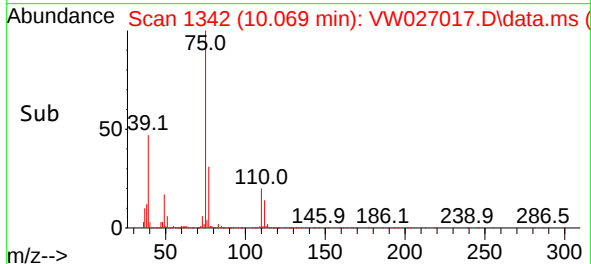
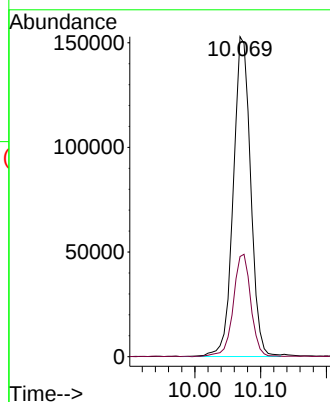
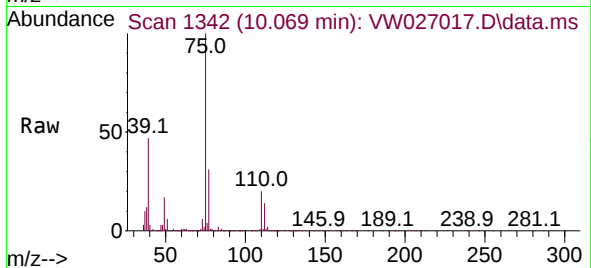
ClientSampleId :

Tgt Ion: 75 Resp: 280234

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 50.177 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

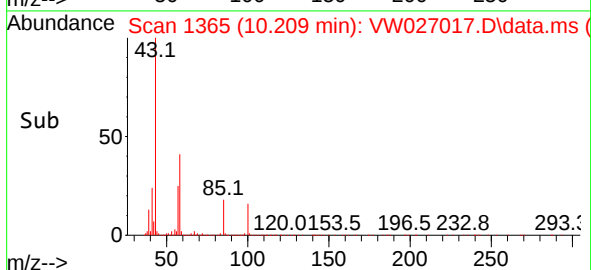
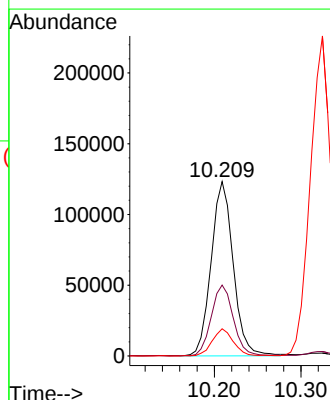
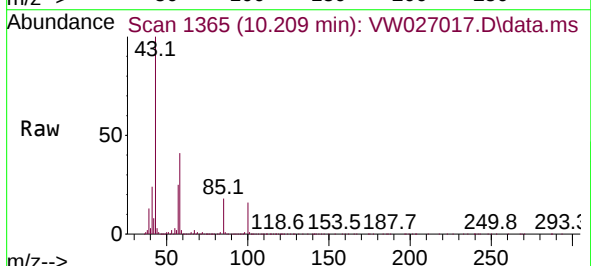
Tgt Ion: 43 Resp: 218739

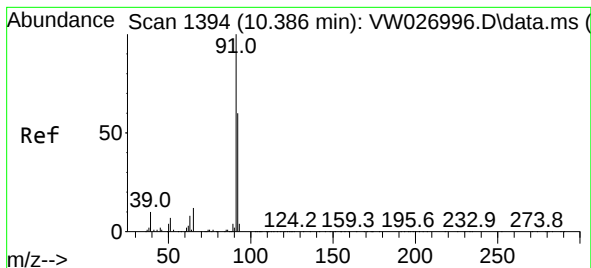
Ion Ratio Lower Upper

43 100

58 40.4 33.4 50.2

100 14.6 13.0 19.4





#42

Toluene

Concen: 22.472 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

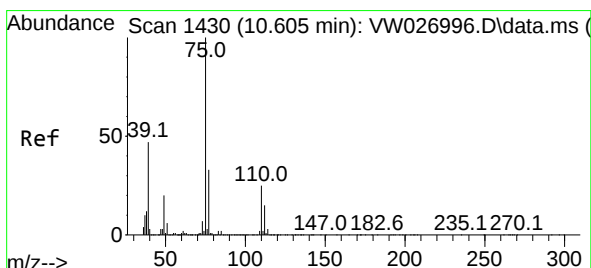
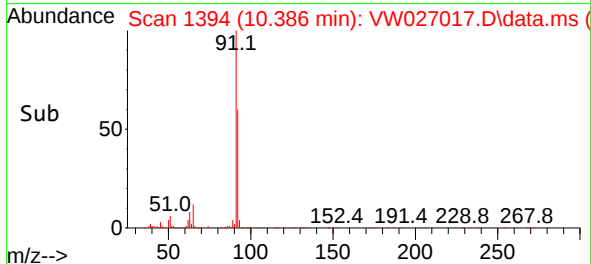
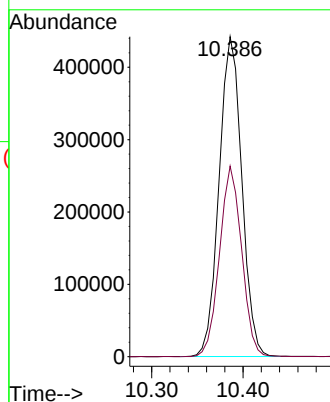
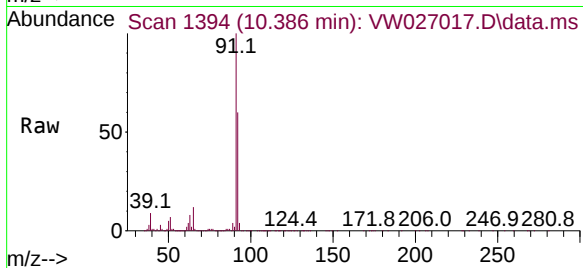
ClientSampleId :

Tgt Ion: 91 Resp: 765220

Ion Ratio Lower Upper

91 100

92 59.5 41.6 77.2



#44

trans-1,3-Dichloropropene

Concen: 23.149 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW027017.D

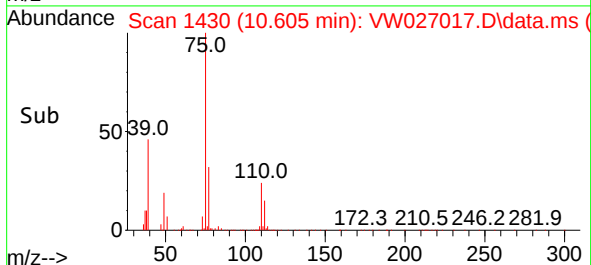
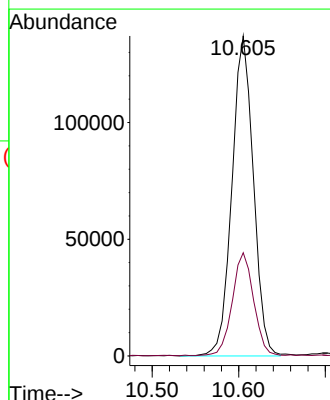
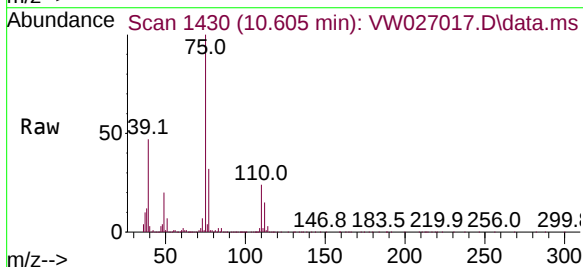
Acq: 08 Sep 2023 11:13

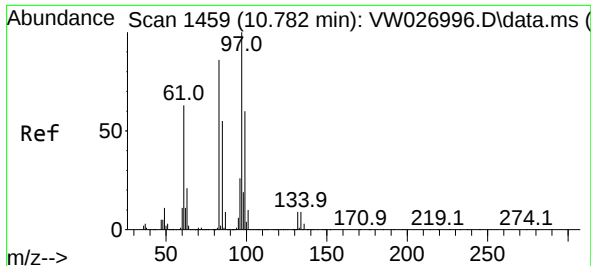
Tgt Ion: 75 Resp: 235642

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.6

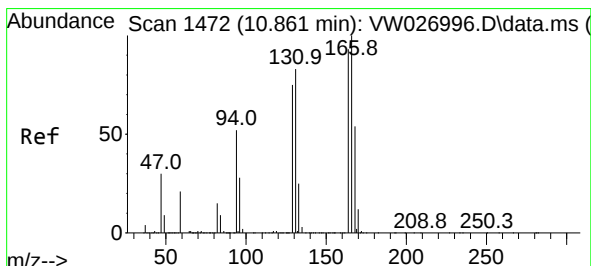
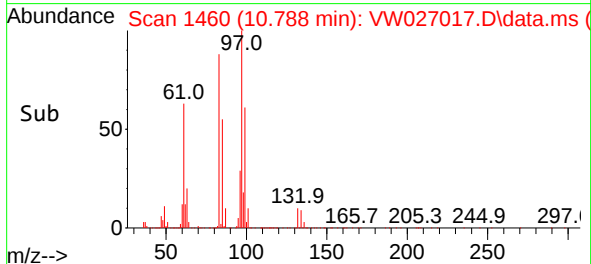
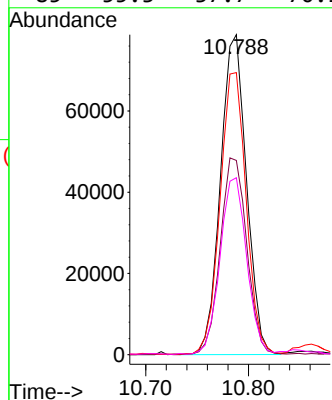
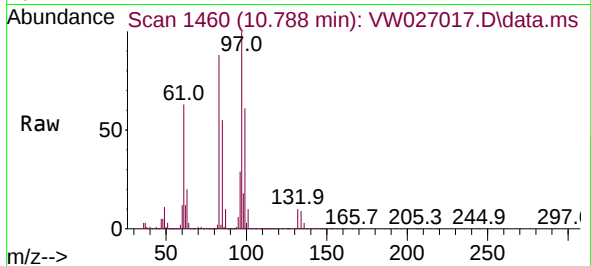




#45
1,1,2-Trichloroethane
Concen: 22.722 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

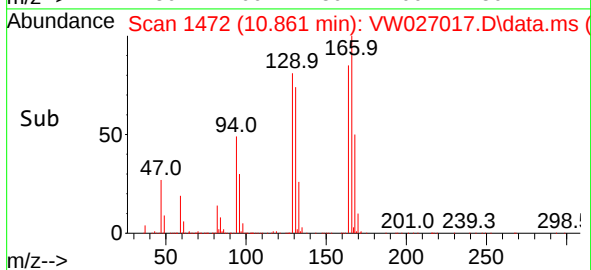
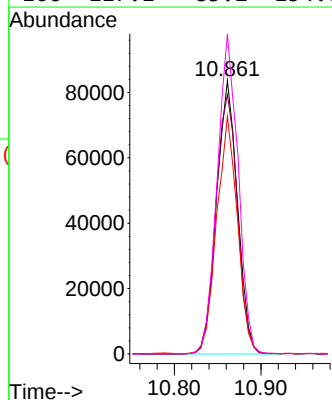
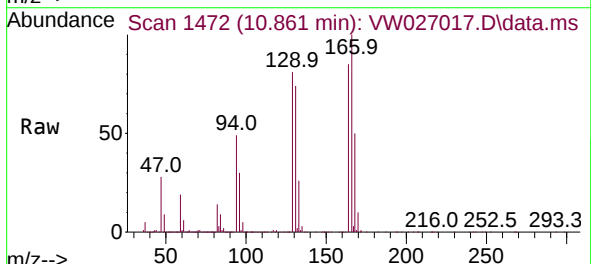
Instrument :
MSVOA_W
ClientSampleId :

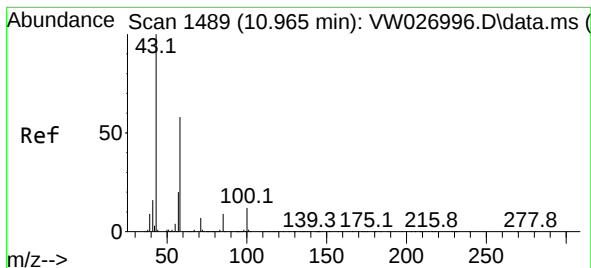
Tgt Ion: 97 Resp: 138216
Ion Ratio Lower Upper
97 100
99 60.7 44.7 82.9
83 88.2 60.9 113.1
85 55.3 37.7 70.1



#46
Tetrachloroethene
Concen: 21.636 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion:164 Resp: 140416
Ion Ratio Lower Upper
164 100
129 94.9 71.4 132.6
131 87.0 60.8 113.0
166 117.1 83.2 154.6





#48

2-Hexanone

Concen: 51.400 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 152709

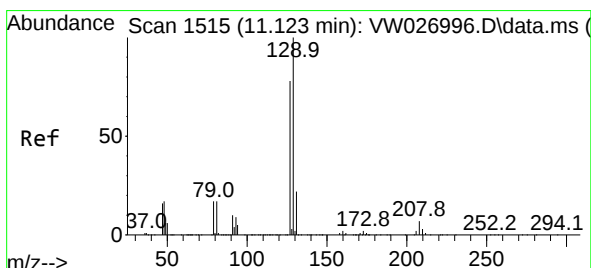
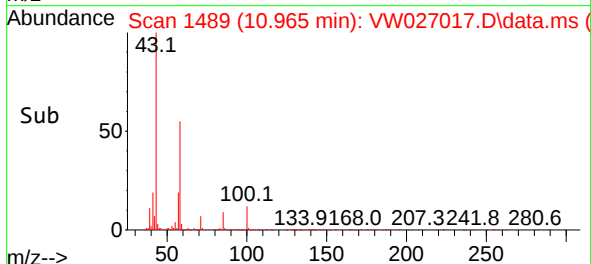
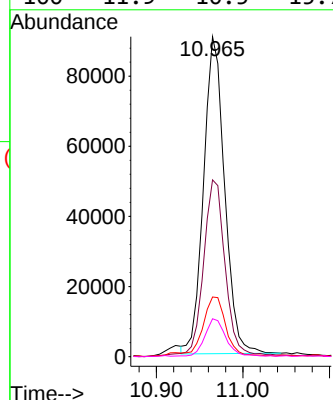
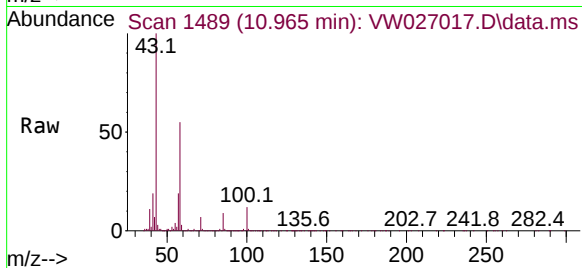
Ion Ratio Lower Upper

43 100

58 58.5 47.5 71.3

57 20.0 15.2 22.8

100 11.9 10.5 15.7



#49

Dibromochloromethane

Concen: 22.494 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW027017.D

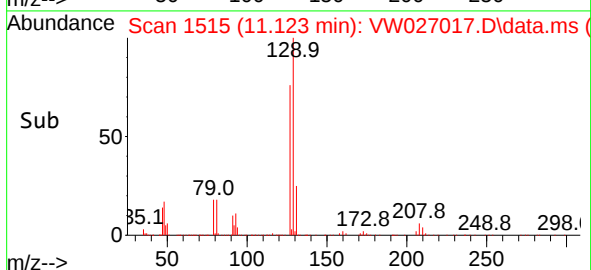
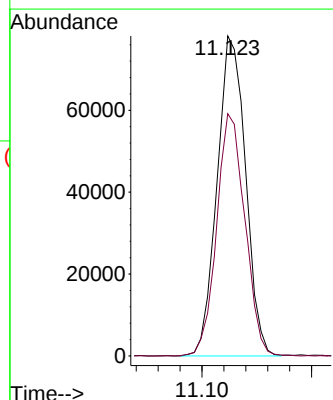
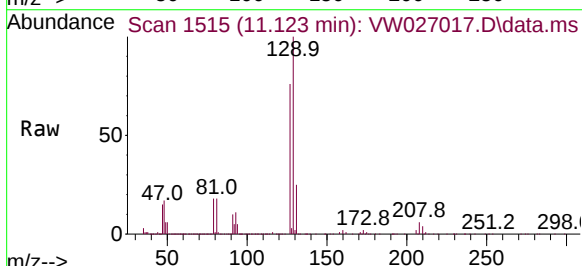
Acq: 08 Sep 2023 11:13

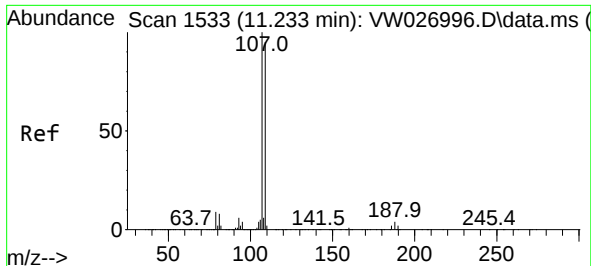
Tgt Ion: 129 Resp: 140948

Ion Ratio Lower Upper

129 100

127 75.7 47.5 88.3

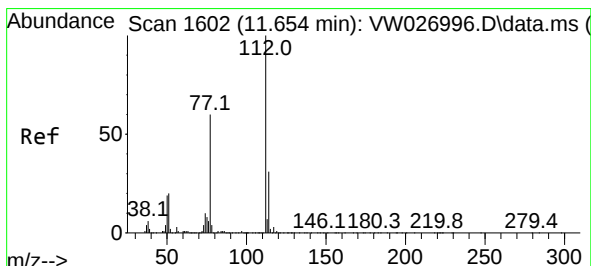
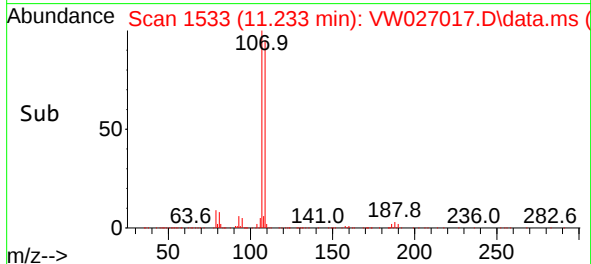
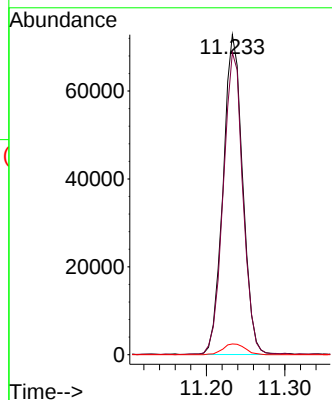
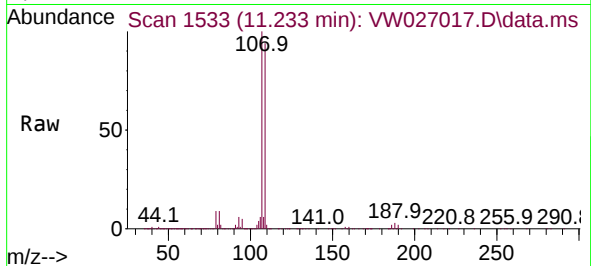




#50
1,2-Dibromoethane
Concen: 22.973 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

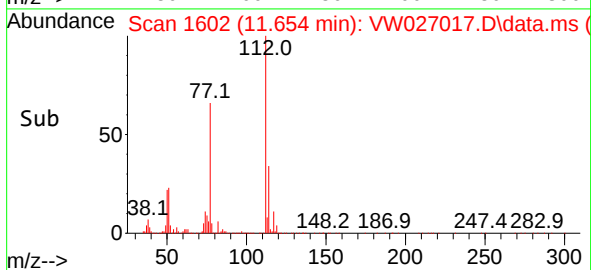
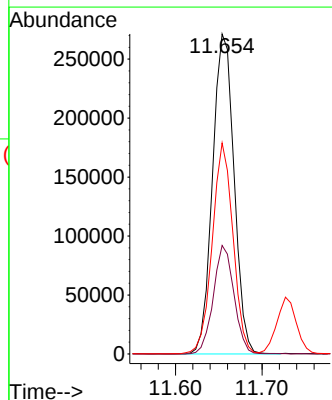
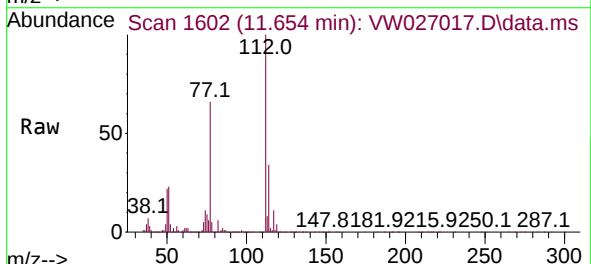
Instrument :
MSVOA_W
ClientSampleId :

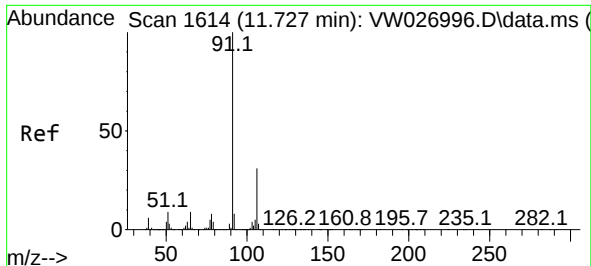
Tgt Ion:107 Resp: 126511
Ion Ratio Lower Upper
107 100
109 94.4 68.5 127.1
188 3.6 2.9 4.3



#51
Chlorobenzene
Concen: 21.359 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion:112 Resp: 468465
Ion Ratio Lower Upper
112 100
114 33.9 20.5 38.1
77 66.0 49.5 74.3

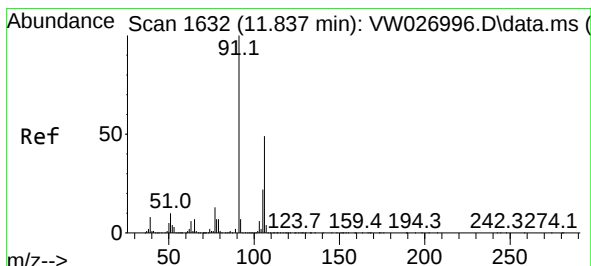
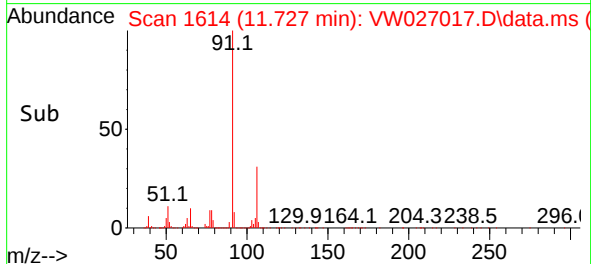
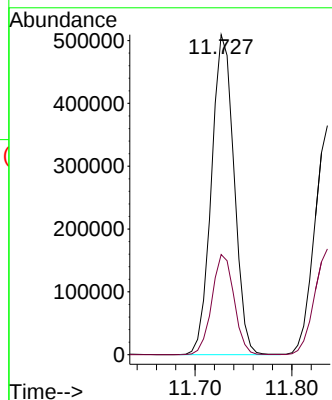
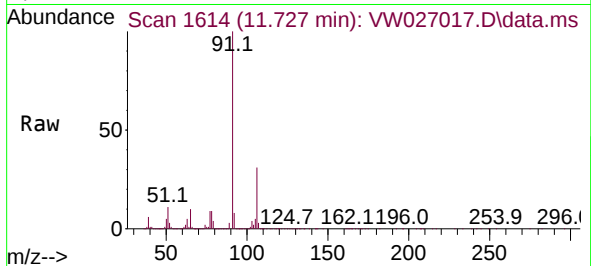




#52
Ethylbenzene
Concen: 21.881 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

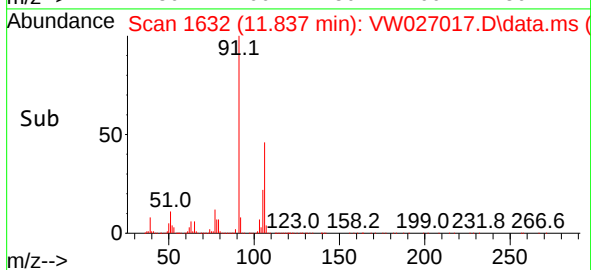
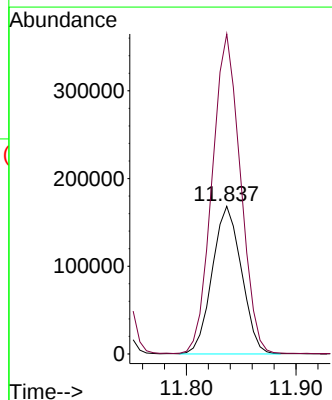
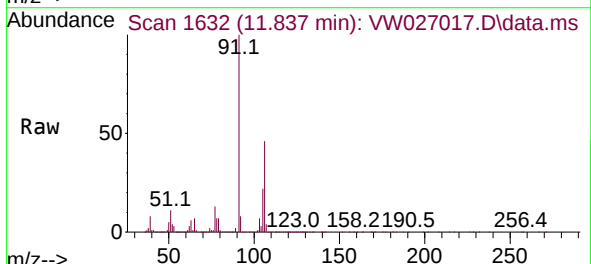
Instrument :
MSVOA_W
ClientSampleId :

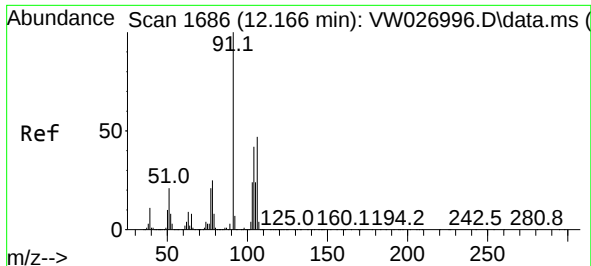
Tgt Ion: 91 Resp: 826007
Ion Ratio Lower Upper
91 100
106 31.3 21.1 39.3



#53
m,p-Xylene
Concen: 21.810 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion:106 Resp: 311450
Ion Ratio Lower Upper
106 100
91 216.6 139.6 259.2

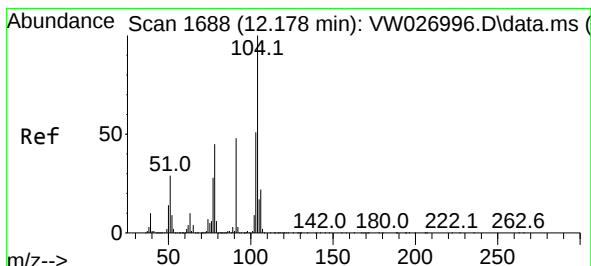
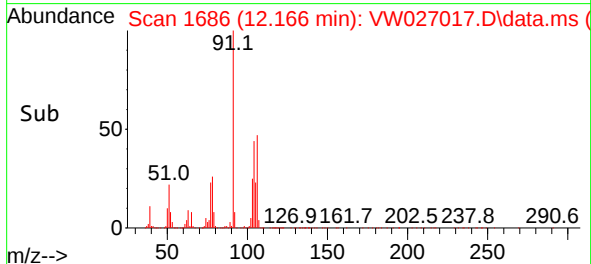
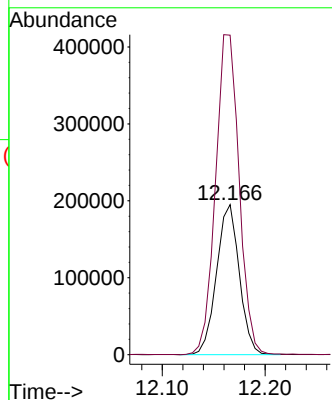
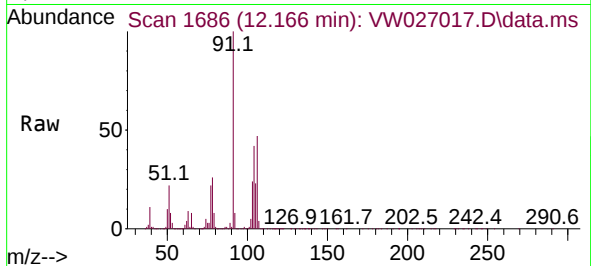




#54
o-Xylene
Concen: 22.424 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

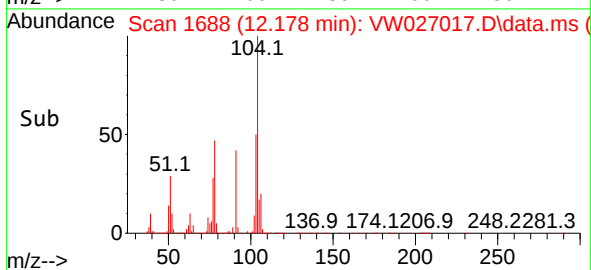
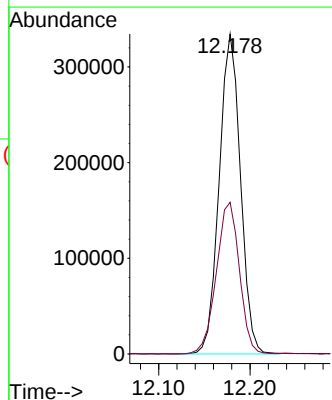
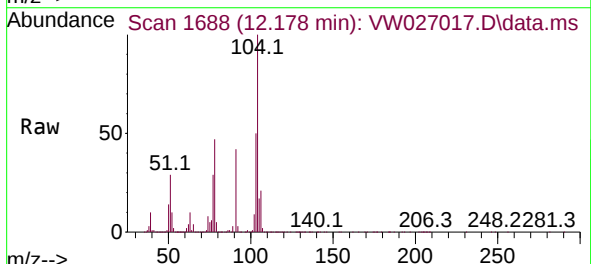
Instrument :
MSVOA_W
ClientSampleId :

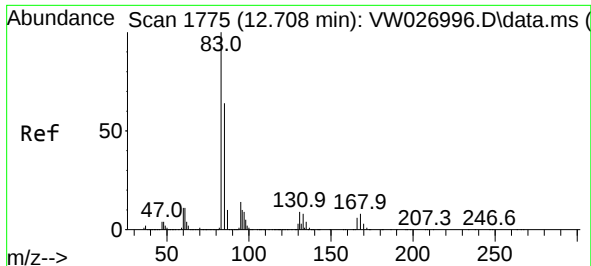
Tgt Ion:106 Resp: 299620
Ion Ratio Lower Upper
106 100
91 212.9 154.0 286.0



#55
Styrene
Concen: 23.758 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion:104 Resp: 541776
Ion Ratio Lower Upper
104 100
78 47.4 35.2 65.4





#57

1,1,2-Tetrachloroethane

Concen: 24.711 ug/L

RT: 12.708 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

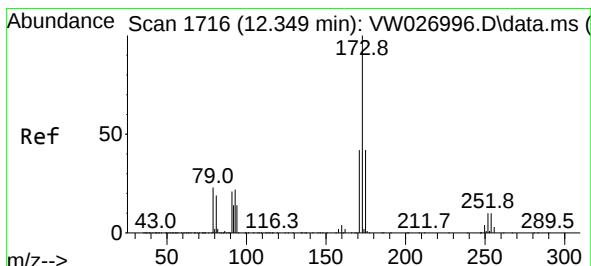
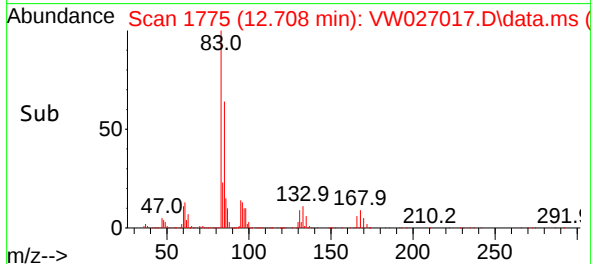
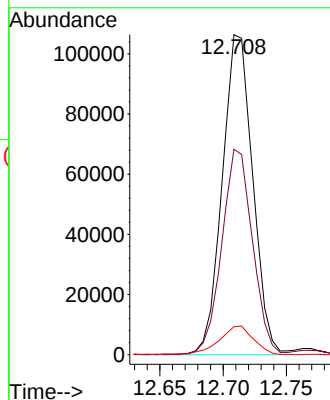
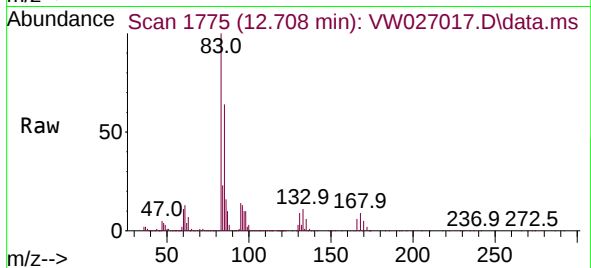
Tgt Ion: 83 Resp: 177819

Ion Ratio Lower Upper

83 100

85 64.2 44.1 81.9

131 8.8 7.2 10.8



#59

Bromoform

Concen: 21.696 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

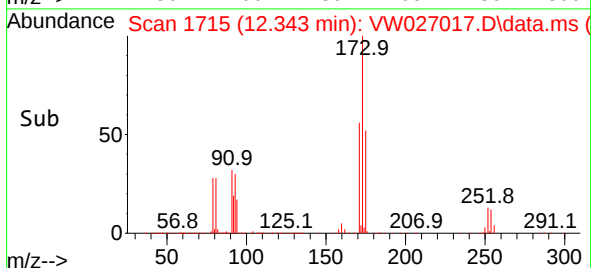
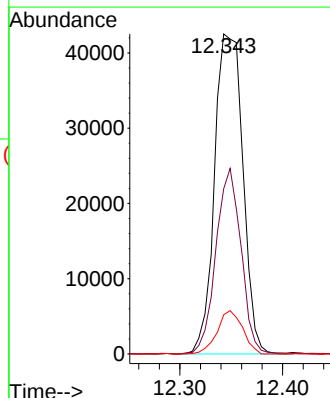
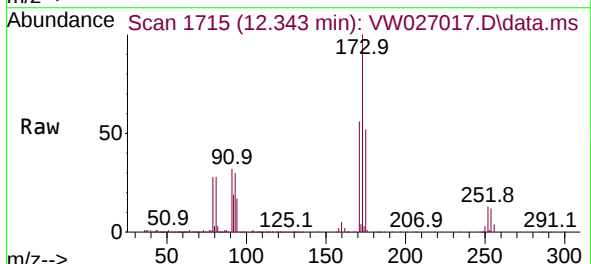
Tgt Ion: 173 Resp: 81483

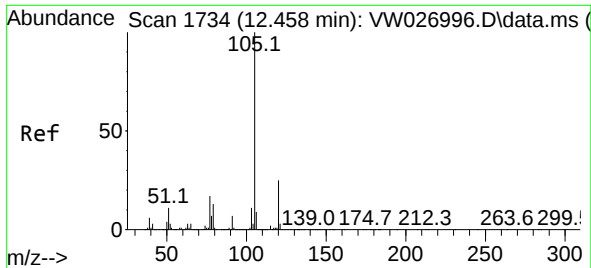
Ion Ratio Lower Upper

173 100

175 51.2 36.6 54.8

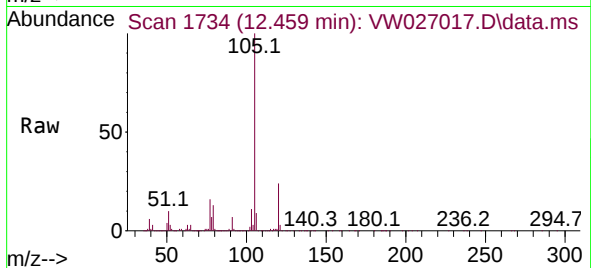
254 12.2 8.5 12.7



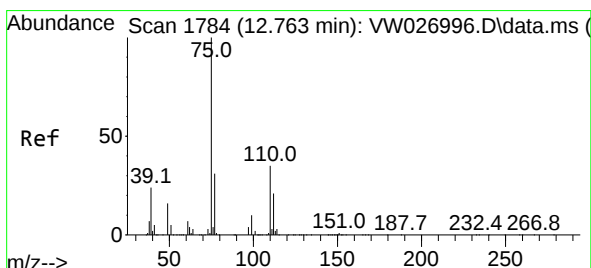
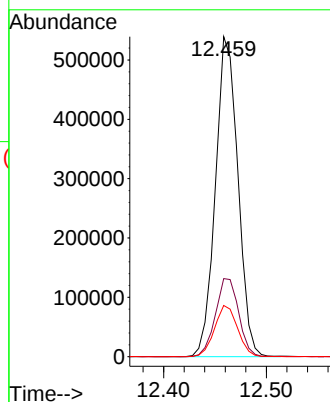
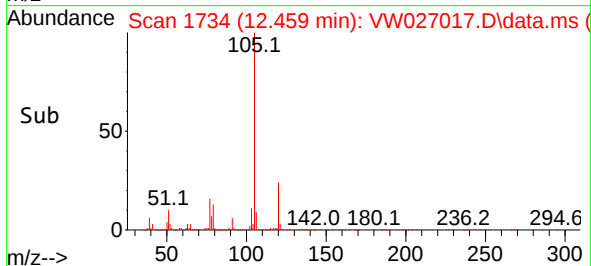


#60
Isopropylbenzene
Concen: 22.597 ug/L
RT: 12.459 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

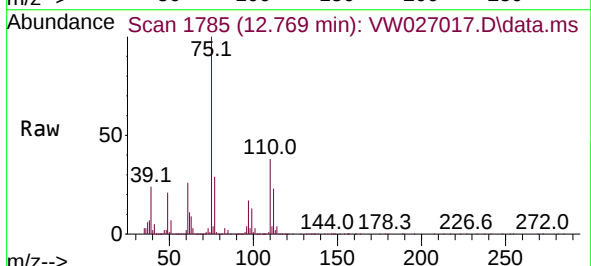
Instrument :
MSVOA_W
ClientSampleId :



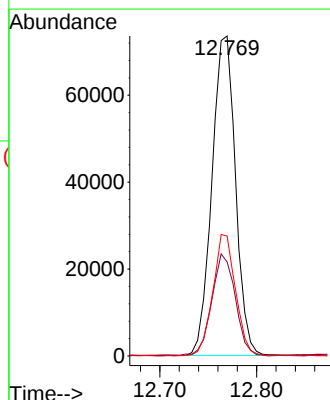
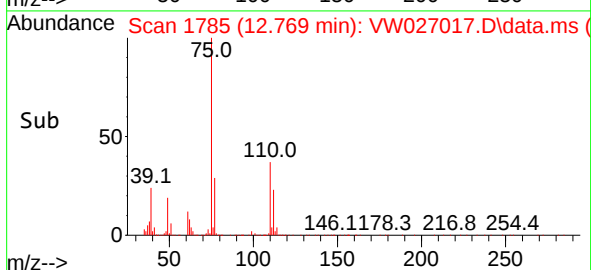
Tgt Ion:105 Resp: 817467
Ion Ratio Lower Upper
105 100
120 25.3 21.4 32.0
77 16.3 12.8 19.2

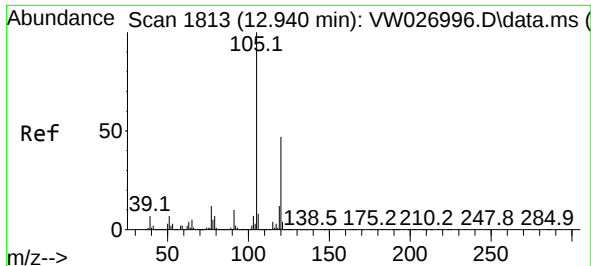


#61
1,2,3-Trichloropropane
Concen: 24.643 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13



Tgt Ion: 75 Resp: 124494
Ion Ratio Lower Upper
75 100
77 31.1 26.3 39.5
110 36.7 30.5 45.7

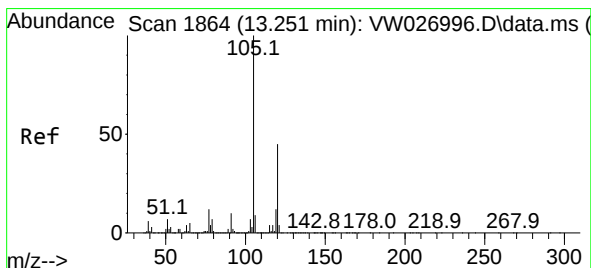
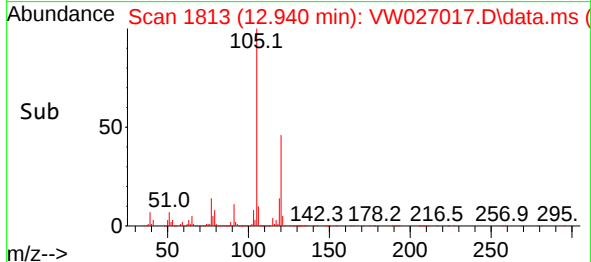
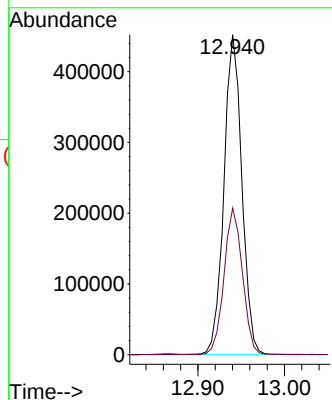
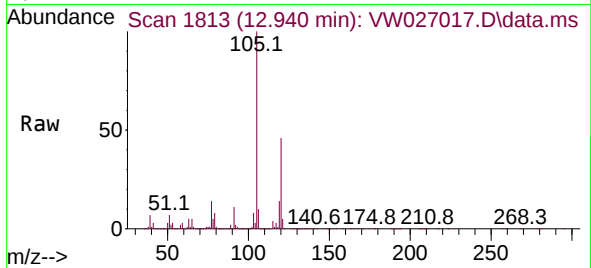




#62
 1,3,5-Trimethylbenzene
 Concen: 22.465 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW027017.D
 Acq: 08 Sep 2023 11:13

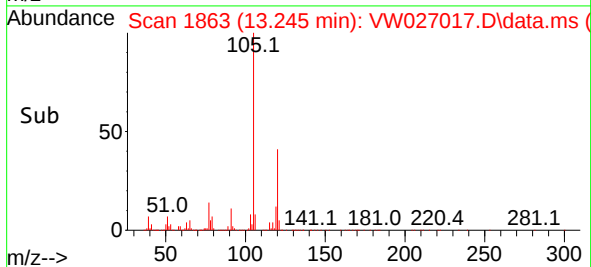
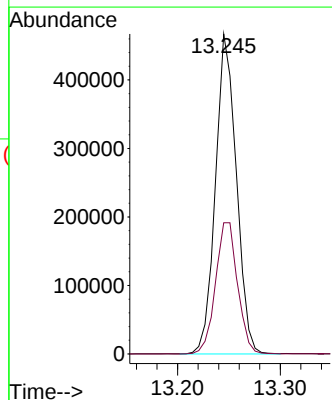
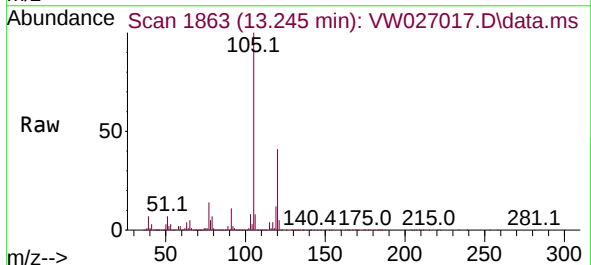
Instrument :
 MSVOA_W
 ClientSampleId :

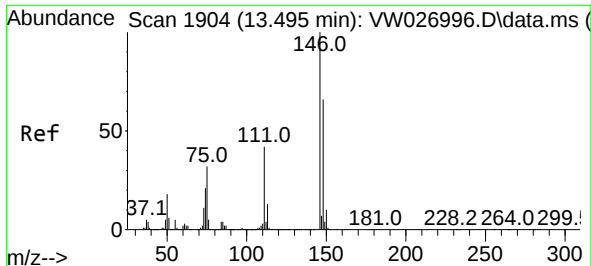
Tgt Ion:105 Resp: 648518
 Ion Ratio Lower Upper
 105 100
 120 47.1 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 23.357 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. -0.006 min
 Lab File: VW027017.D
 Acq: 08 Sep 2023 11:13

Tgt Ion:105 Resp: 659206
 Ion Ratio Lower Upper
 105 100
 120 43.4 36.3 54.5

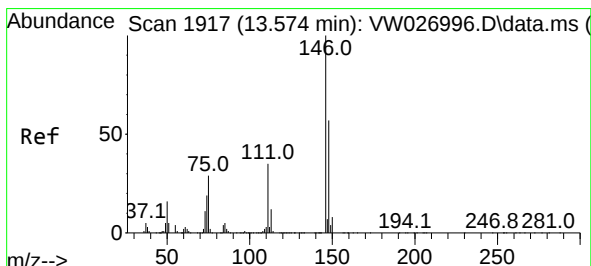
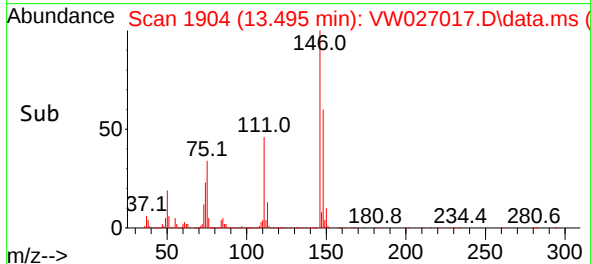
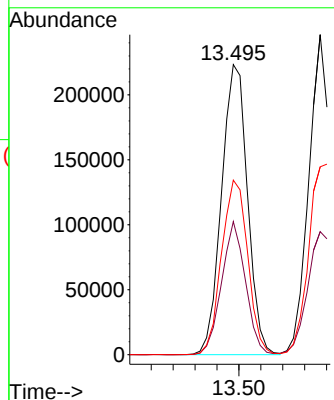
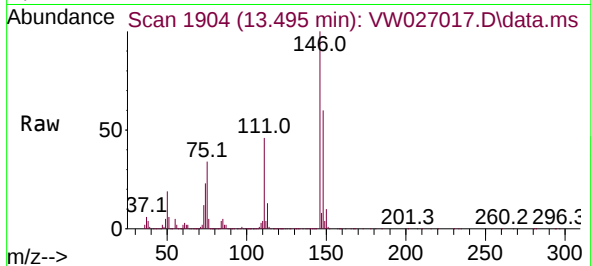




#64
1,3-Dichlorobenzene
Concen: 22.334 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

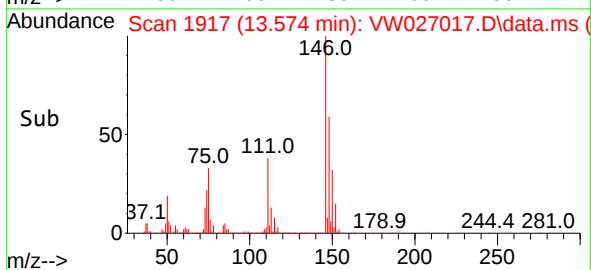
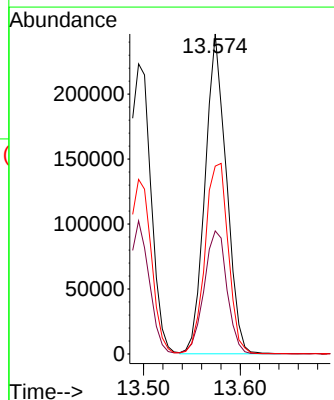
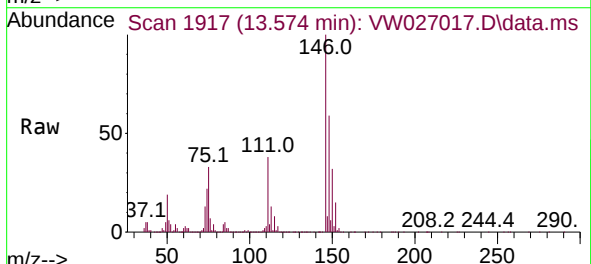
Instrument :
MSVOA_W
ClientSampleId :

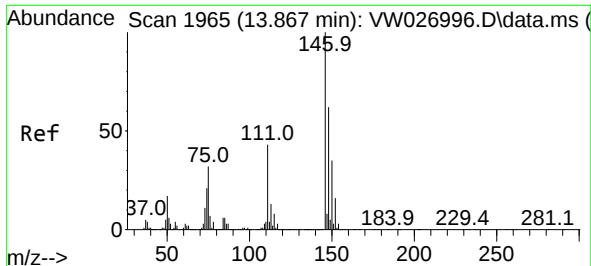
Tgt Ion:146 Resp: 367565
Ion Ratio Lower Upper
146 100
111 45.9 26.9 50.1
148 60.2 39.2 72.8



#65
1,4-Dichlorobenzene
Concen: 22.532 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027017.D
Acq: 08 Sep 2023 11:13

Tgt Ion:146 Resp: 376900
Ion Ratio Lower Upper
146 100
111 38.5 25.8 47.8
148 58.7 40.0 74.2





#67

1,2-Dichlorobenzene

Concen: 22.811 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

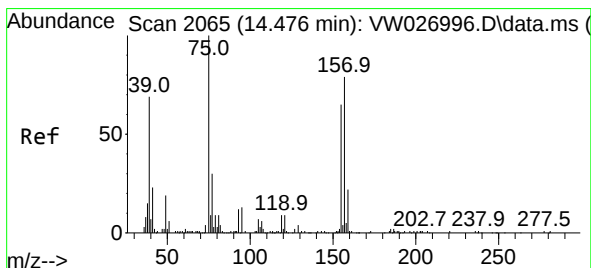
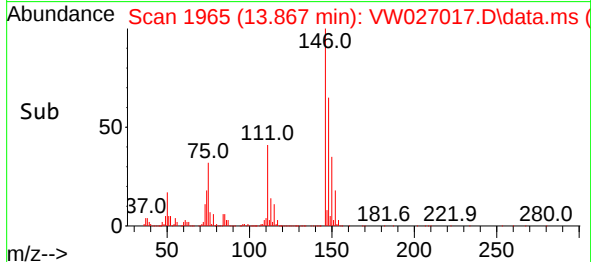
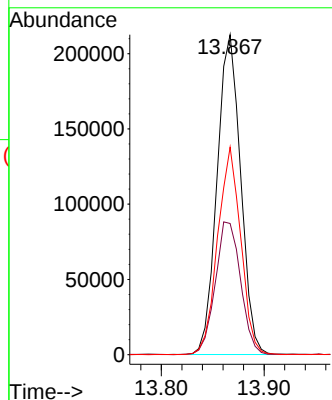
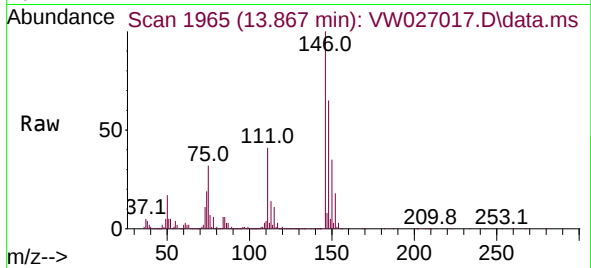
Tgt Ion:146 Resp: 338246

Ion Ratio Lower Upper

146 100

111 41.0 34.0 51.0

148 64.9 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 23.569 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

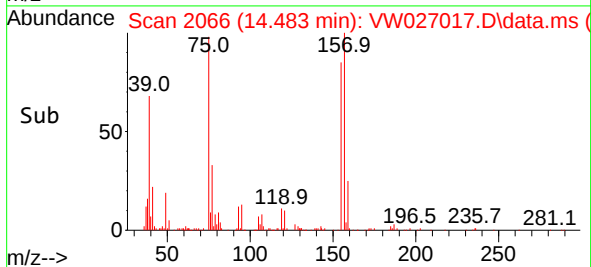
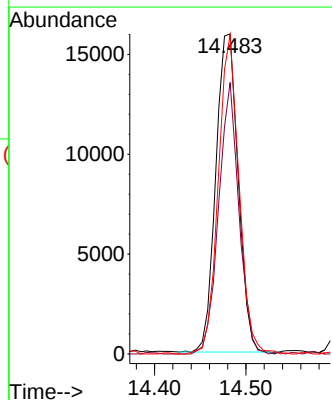
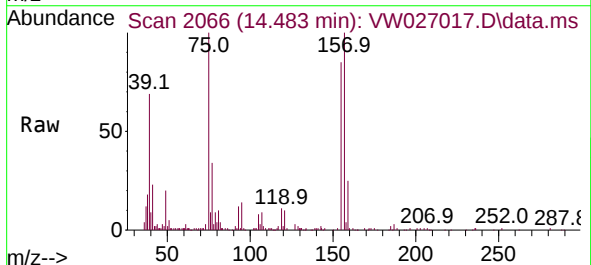
Tgt Ion: 75 Resp: 27001

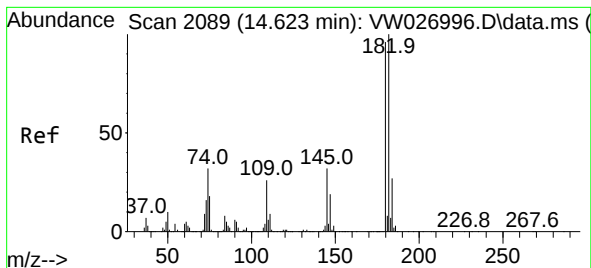
Ion Ratio Lower Upper

75 100

155 84.8 65.9 98.9

157 99.7 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 21.983 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 251316

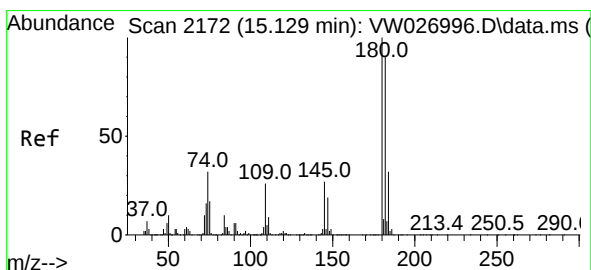
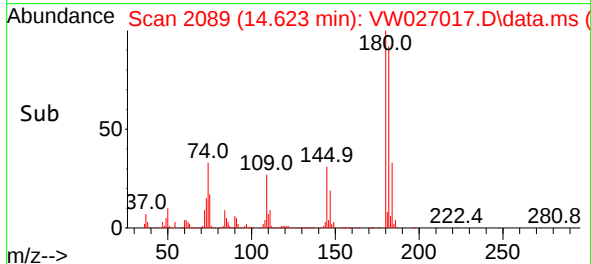
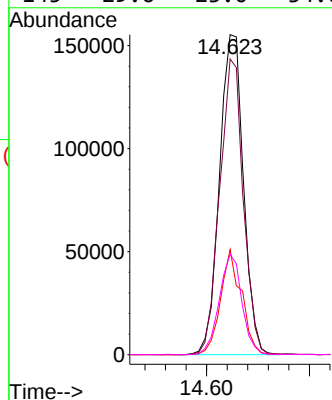
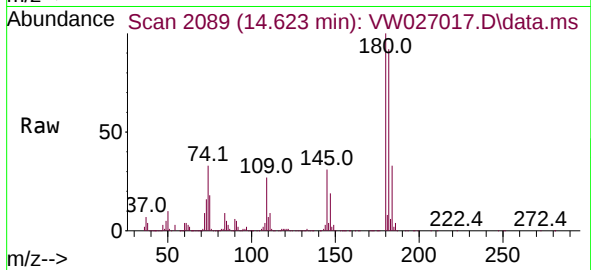
Ion Ratio Lower Upper

180 100

182 90.9 73.6 110.4

184 28.6 23.6 35.4

145 29.6 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 21.797 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

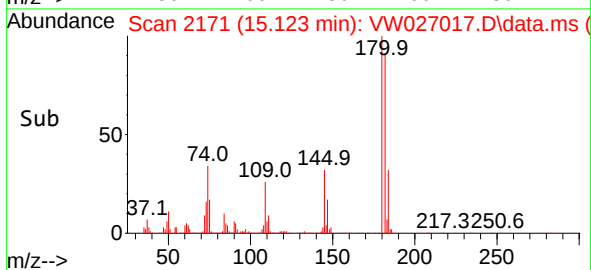
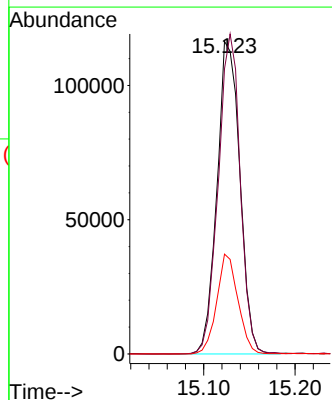
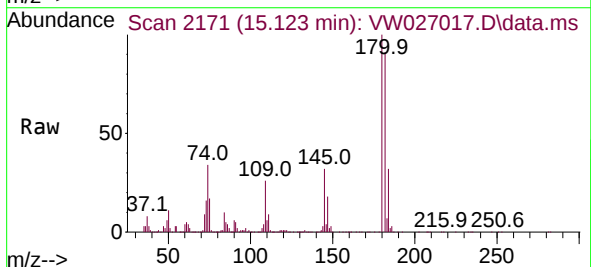
Tgt Ion:180 Resp: 202891

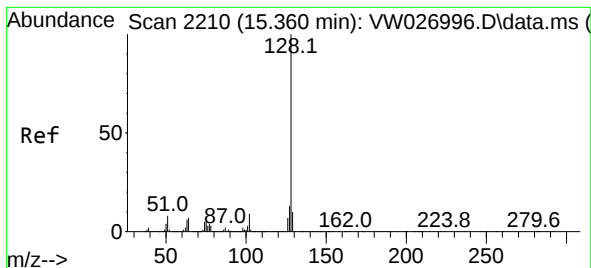
Ion Ratio Lower Upper

180 100

182 98.3 81.0 121.6

145 29.6 24.8 37.2





#71

Naphthalene

Concen: 22.985 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Instrument :

MSVOA_W

ClientSampleId :

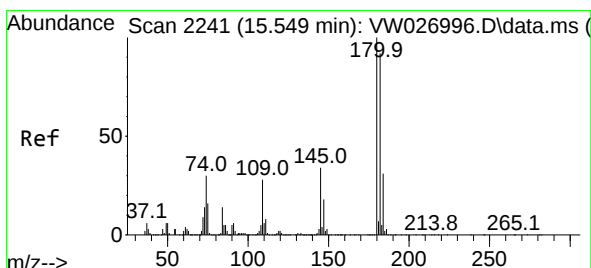
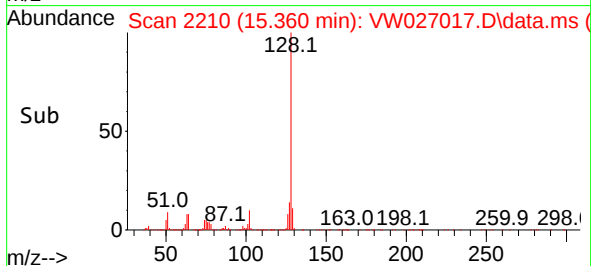
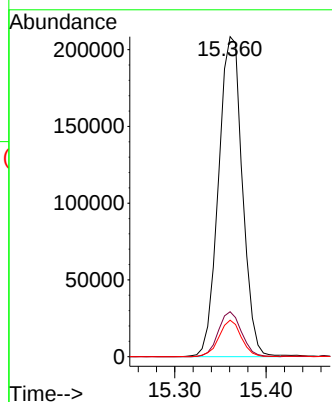
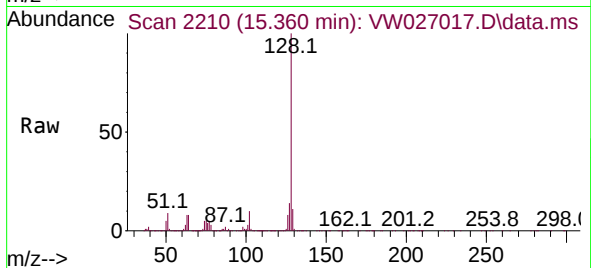
Tgt Ion:128 Resp: 378578

Ion Ratio Lower Upper

128 100

127 13.7 10.9 16.3

129 10.6 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 21.906 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027017.D

Acq: 08 Sep 2023 11:13

Tgt Ion:180 Resp: 184847

Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

145 33.0 25.6 38.4

