

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022223\
 Data File : VW025350.D
 Acq On : 22 Feb 2023 10:09
 Operator : SY/MD
 Sample : VSTD05028
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050428

Quant Time: Feb 22 20:59:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022223SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 22 20:57:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	338994	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	299280	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	130931	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	146488	51.043	ug/L	0.00
7) Chloroethane-d5	2.899	69	109987	52.787	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.027	63	377377	50.660	ug/L	0.00
21) 2-Butanone-d5	7.075	46	75522	115.798	ug/L	0.00
24) Chloroform-d	7.648	84	335565	51.603	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	178510	52.917	ug/L	0.00
32) Benzene-d6	8.276	84	656103	51.731	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	182408	51.251	ug/L	0.00
41) Toluene-d8	10.325	98	624816	52.843	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	88324	54.472	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	63830	122.948	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	146066	54.820	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	197667	59.440	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	201898	49.916	ug/L	# 82
3) Chloromethane	2.229	50	193821	50.661	ug/L	100
5) Vinyl chloride	2.375	62	224264	50.431	ug/L	97
6) Bromomethane	2.789	94	140998	49.936	ug/L	98
8) Chloroethane	2.936	64	128167	49.258	ug/L	96
9) Trichlorofluoromethane	3.271	101	277029	51.340	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	221301	48.756	ug/L	97
12) 1,1-Dichloroethene	4.045	96	215271	49.284	ug/L	89
13) Acetone	4.118	43	120224	111.474	ug/L	99
14) Carbon disulfide	4.387	76	711962	49.971	ug/L	100
15) Methyl Acetate	4.673	43	88621	51.672	ug/L	97
16) Methylene chloride	4.923	84	211686	44.161	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	226048	49.366	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	341433	52.794	ug/L	99
19) 1,1-Dichloroethane	6.222	63	404256	49.130	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	241261	50.144	ug/L	98
22) 2-Butanone	7.167	43	139850	112.889	ug/L	98
23) Bromochloromethane	7.514	128	103292	50.309	ug/L	93
25) Chloroform	7.679	83	417217	49.272	ug/L	99
27) 1,2-Dichloroethane	8.404	62	287741	50.378	ug/L	98
29) Cyclohexane	7.959	56	389466	51.696	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	385903	49.777	ug/L	98
31) Carbon tetrachloride	8.069	117	361317	49.516	ug/L	99
33) Benzene	8.325	78	900218	49.194	ug/L	100
34) Trichloroethene	9.093	95	251655	49.243	ug/L	95
35) Methylcyclohexane	9.337	83	454714	50.773	ug/L	100
37) 1,2-Dichloropropane	9.368	63	219452	49.577	ug/L	100
38) Bromodichloromethane	9.648	83	300820	50.102	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	379805	52.444	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	252332	112.055	ug/L	99
42) Toluene	10.386	91	985382	50.018	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	328375	53.939	ug/L	97

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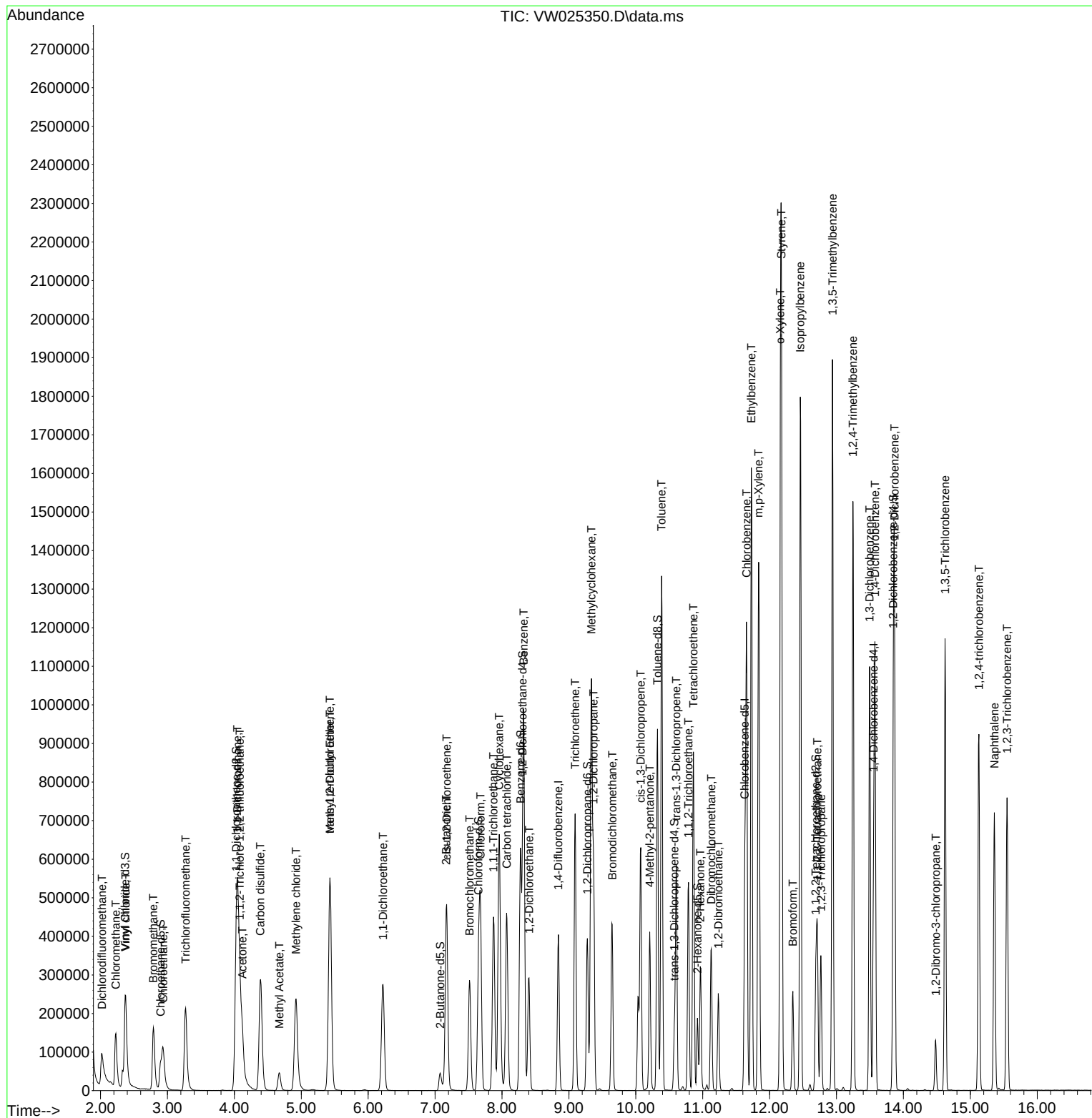
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	169608	51.372	ug/L	97
46) Tetrachloroethene	10.861	164	189498	49.104	ug/L	98
48) 2-Hexanone	10.965	43	196712	117.039	ug/L	98
49) Dibromochloromethane	11.129	129	197259	51.724	ug/L	98
50) 1,2-Dibromoethane	11.233	107	164579	51.998	ug/L	99
51) Chlorobenzene	11.654	112	617524	48.809	ug/L	99
52) Ethylbenzene	11.727	91	1155891	50.633	ug/L	100
53) m,p-Xylene	11.837	106	441374	50.885	ug/L	96
54) o-Xylene	12.160	106	414170	51.649	ug/L	94
55) Styrene	12.178	104	706716	51.822	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.714	83	198071	52.551	ug/L	100
59) Bromoform	12.349	173	113781	58.049	ug/L	99
60) Isopropylbenzene	12.458	105	1175514	54.893	ug/L	100
61) 1,2,3-Trichloropropane	12.769	75	146994	56.665	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	1000561	58.178	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	817049	50.188	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	424853	50.736	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	409794	48.814	ug/L	94
67) 1,2-Dichlorobenzene	13.867	146	430175	56.020	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.482	75	36818	61.425	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	334854	58.422	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	279224	56.143	ug/L	99
71) Naphthalene	15.360	128	615262	64.337	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	247668	58.637	ug/L	97

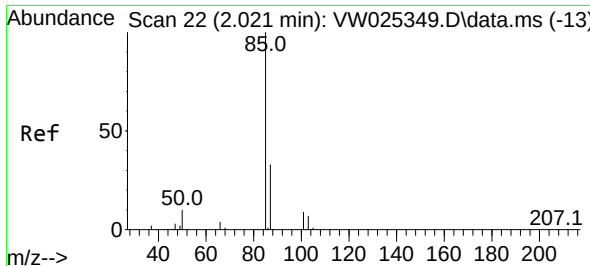
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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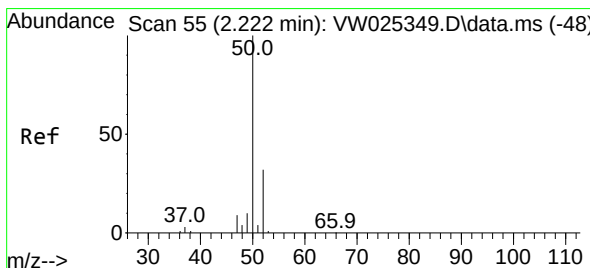
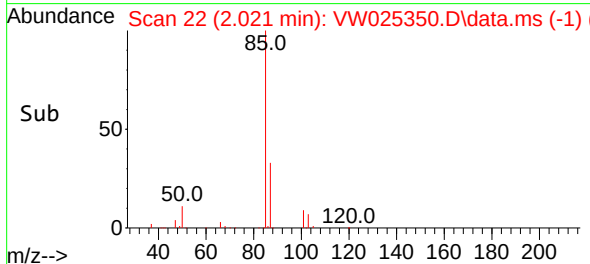
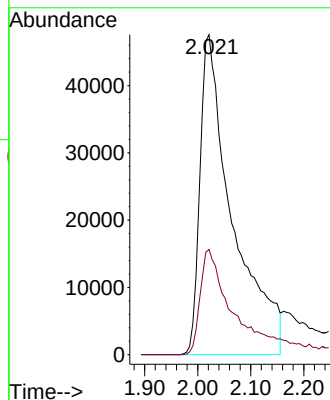
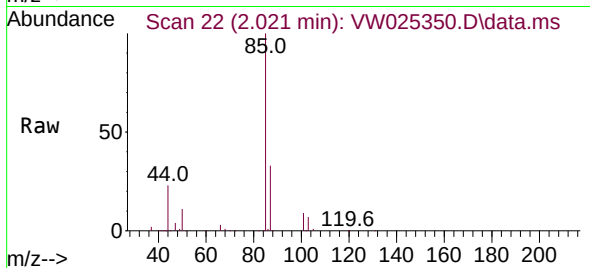




#2
 Dichlorodifluoromethane
 Concen: 49.916 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW025350.D
 Acq: 22 Feb 2023 10:09

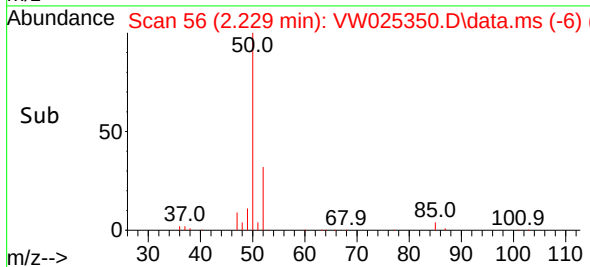
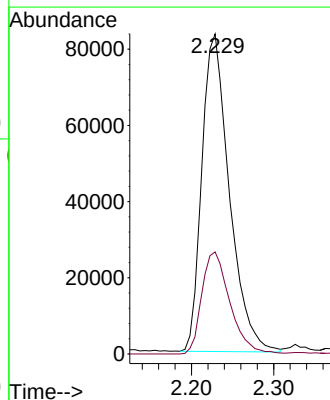
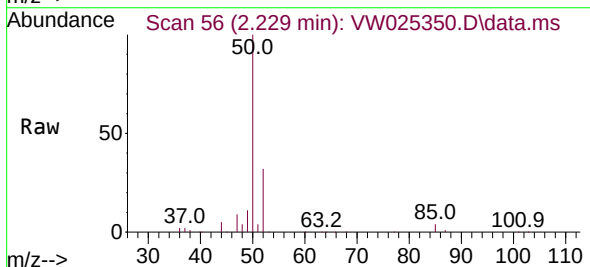
Instrument :
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 ClientSampleId :
 VSTD050428

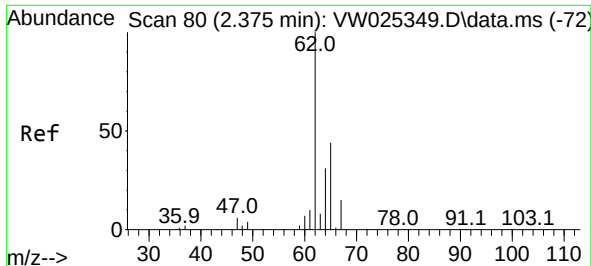
Tgt Ion: 85 Resp: 201898
 Ion Ratio Lower Upper
 85 100
 87 34.9 20.6 30.8#



#3
 Chloromethane
 Concen: 50.661 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW025350.D
 Acq: 22 Feb 2023 10:09

Tgt Ion: 50 Resp: 193821
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.3 41.3

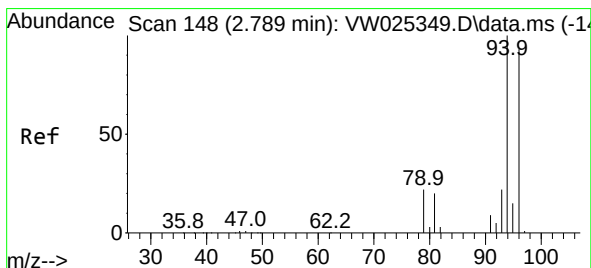
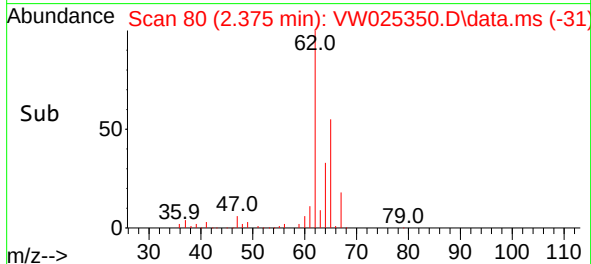
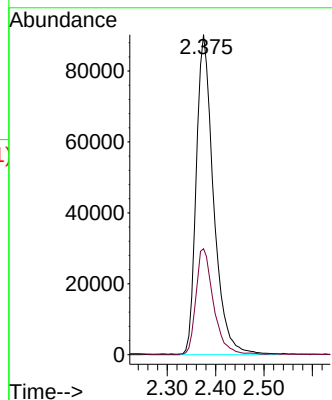
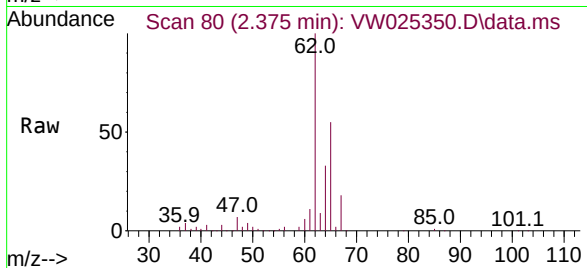




#5
 Vinyl chloride
 Concen: 50.431 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW025350.D
 Acq: 22 Feb 2023 10:09

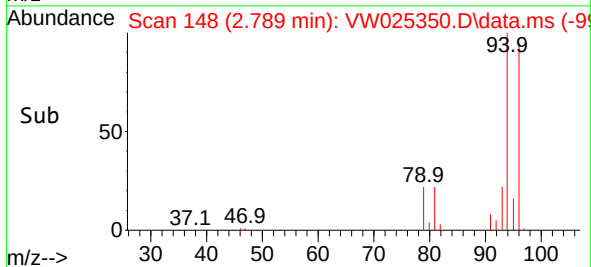
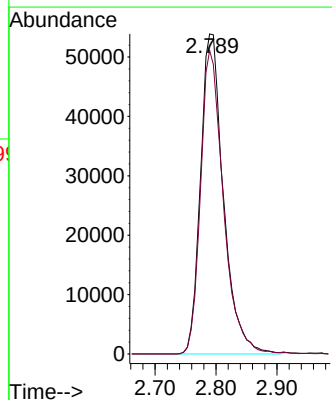
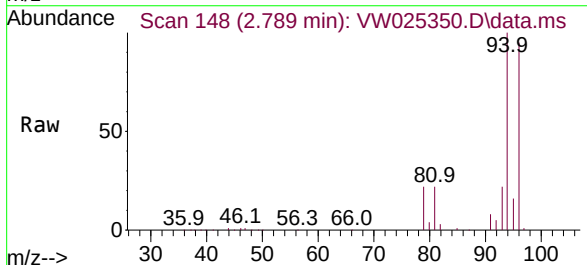
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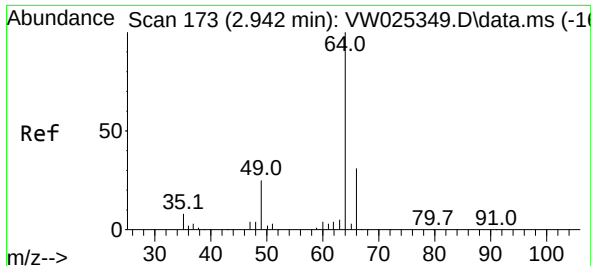
Tgt Ion: 62 Resp: 224264
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.2 41.2



#6
 Bromomethane
 Concen: 49.936 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW025350.D
 Acq: 22 Feb 2023 10:09

Tgt Ion: 94 Resp: 140998
 Ion Ratio Lower Upper
 94 100
 96 94.9 65.2 121.0

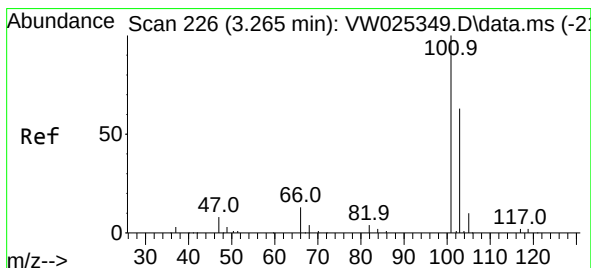
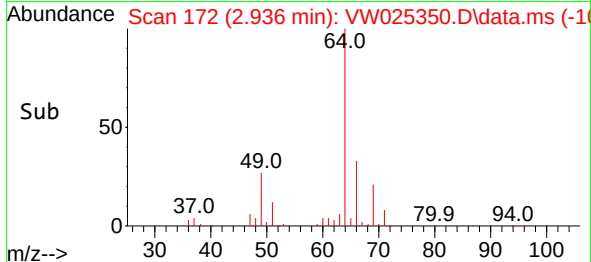
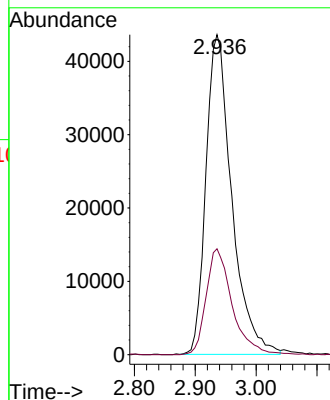
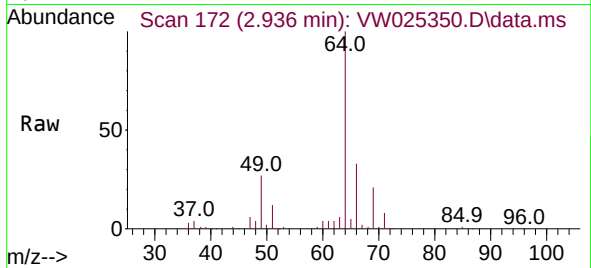




#8
Chloroethane
Concen: 49.258 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

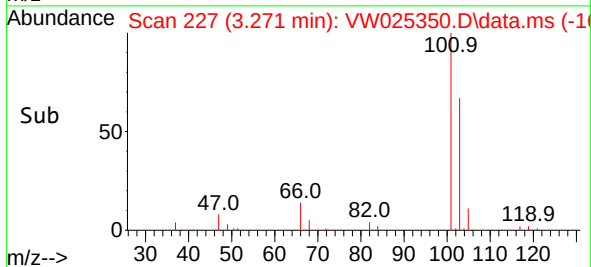
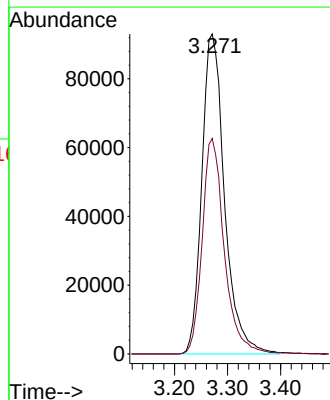
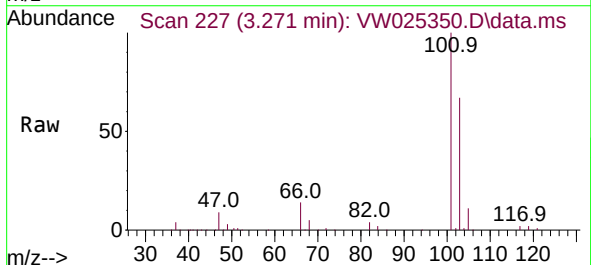
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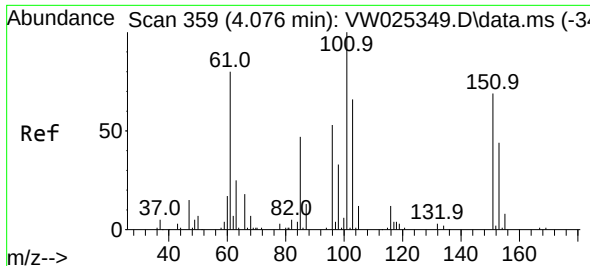
Tgt Ion: 64 Resp: 128167
Ion Ratio Lower Upper
64 100
66 33.1 21.6 40.0



#9
Trichlorofluoromethane
Concen: 51.340 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion:101 Resp: 277029
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0

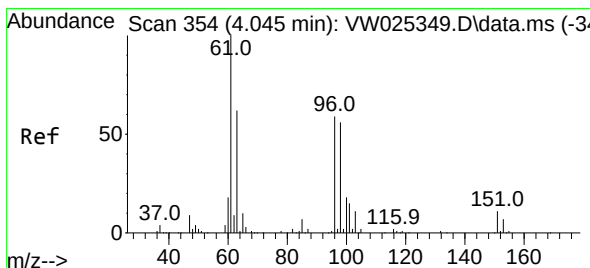
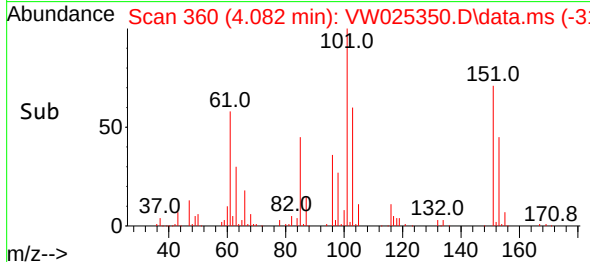
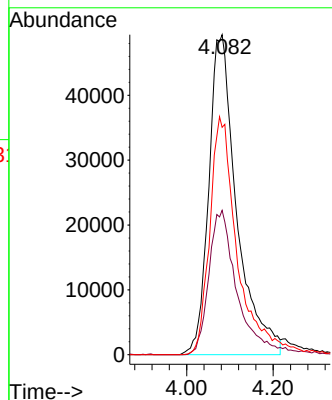
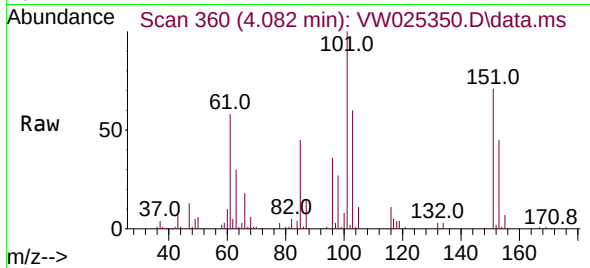




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.756 ug/L
 RT: 4.082 min Scan# 360
 Delta R.T. 0.006 min
 Lab File: VW025350.D
 Acq: 22 Feb 2023 10:09

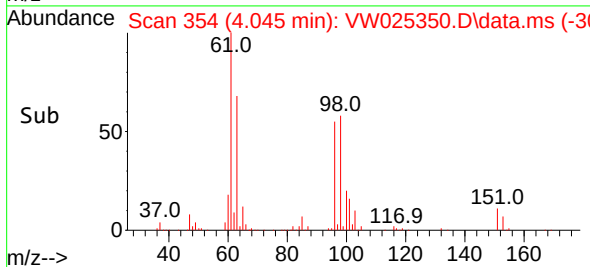
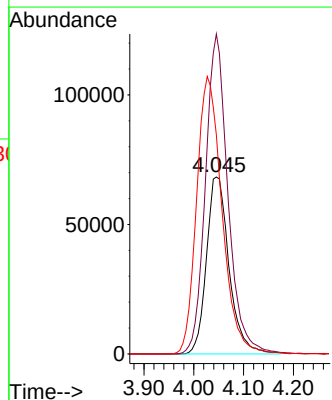
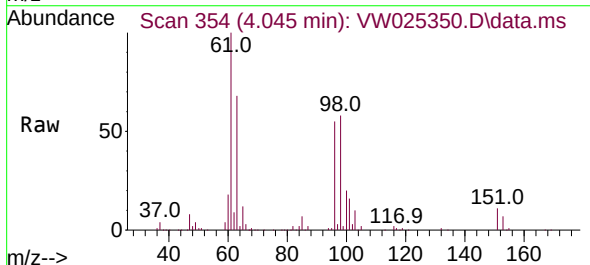
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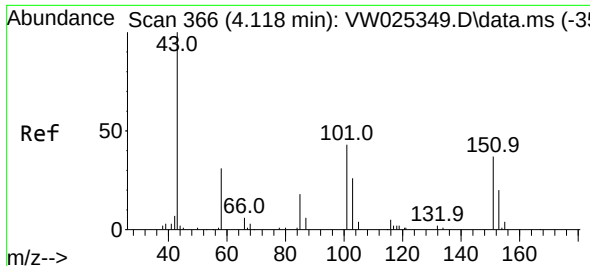
Tgt Ion:101 Resp: 221301
 Ion Ratio Lower Upper
 101 100
 85 45.1 36.3 54.5
 151 68.5 52.2 78.4



#12
 1,1-Dichloroethene
 Concen: 49.284 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW025350.D
 Acq: 22 Feb 2023 10:09

Tgt Ion: 96 Resp: 215271
 Ion Ratio Lower Upper
 96 100
 61 180.8 119.3 221.5
 63 123.8 74.5 138.5





#13

Acetone

Concen: 111.474 ug/L

RT: 4.118 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

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ClientSampleId :

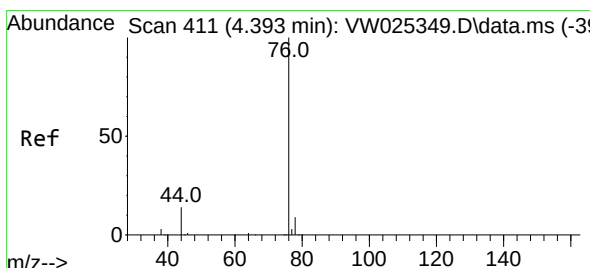
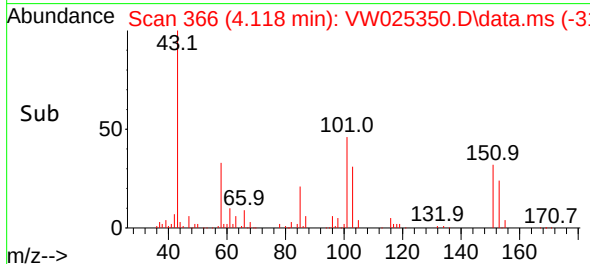
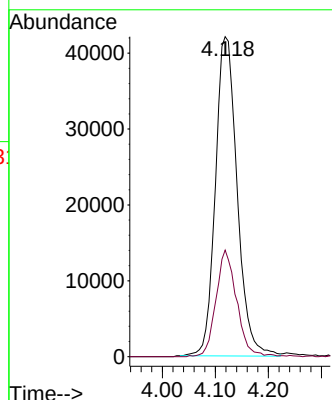
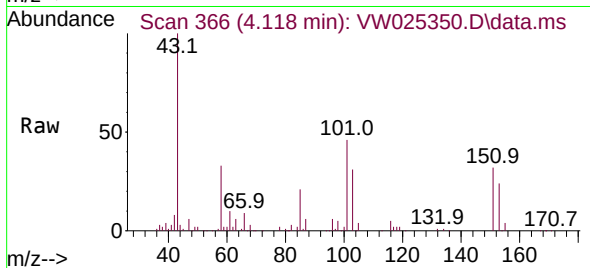
VSTD050428

Tgt Ion: 43 Resp: 120224

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.6



#14

Carbon disulfide

Concen: 49.971 ug/L

RT: 4.387 min Scan# 410

Delta R.T. -0.006 min

Lab File: VW025350.D

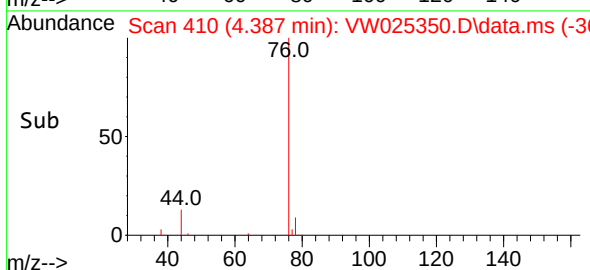
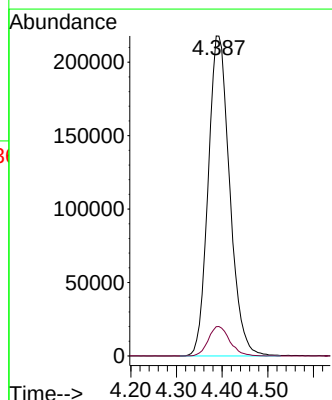
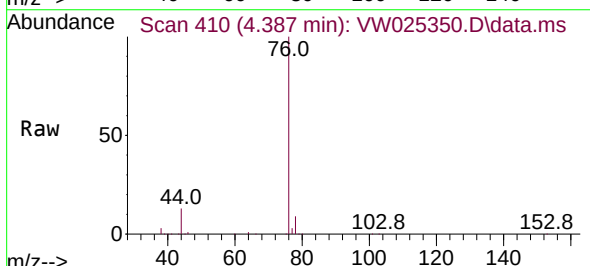
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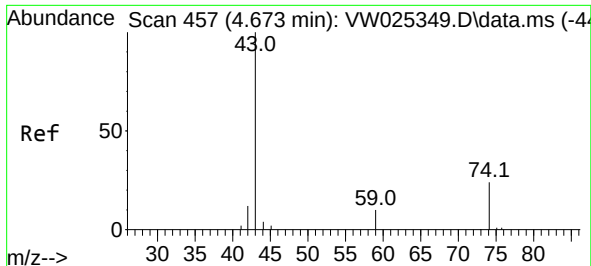
Tgt Ion: 76 Resp: 711962

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

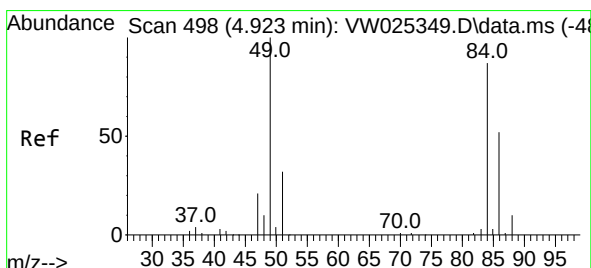
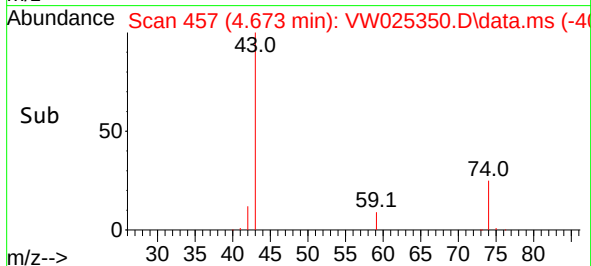
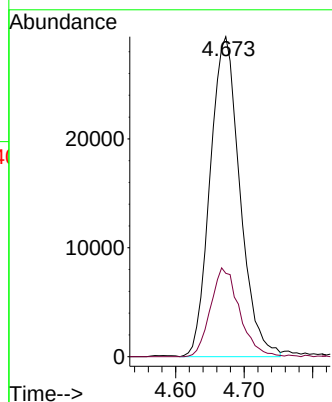
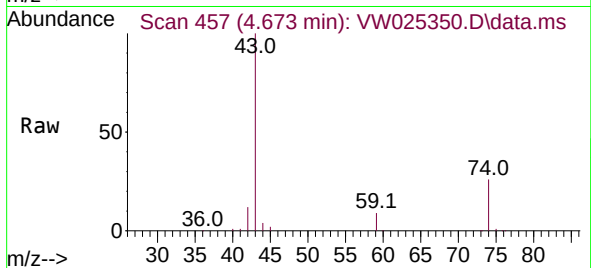




#15
Methyl Acetate
Concen: 51.672 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

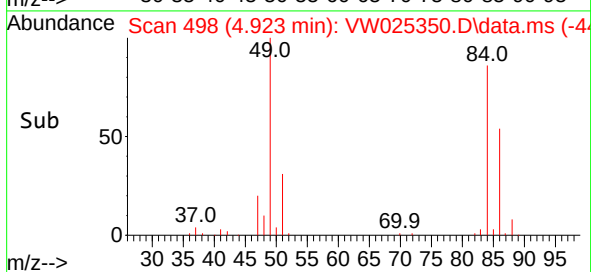
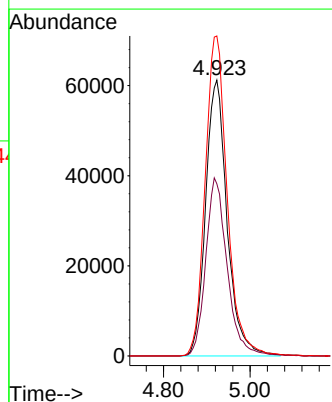
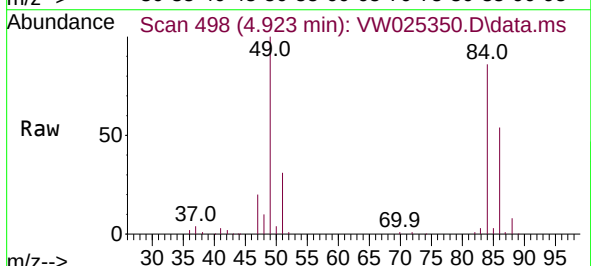
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

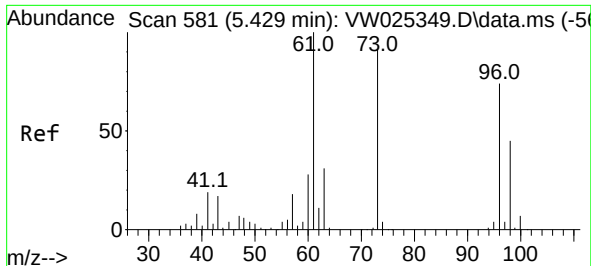
Tgt Ion: 43 Resp: 88621
Ion Ratio Lower Upper
43 100
74 26.9 20.2 30.4



#16
Methylene chloride
Concen: 44.161 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion: 84 Resp: 211686
Ion Ratio Lower Upper
84 100
86 62.4 41.8 77.6
49 116.0 80.3 149.1





#17

trans-1,2-Dichloroethene

Concen: 49.366 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

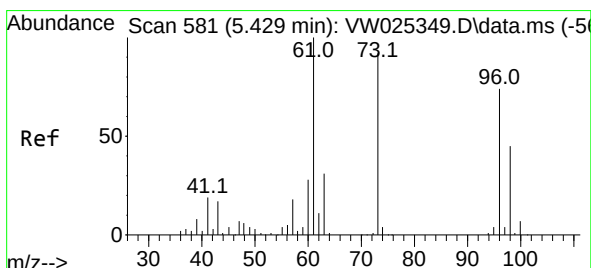
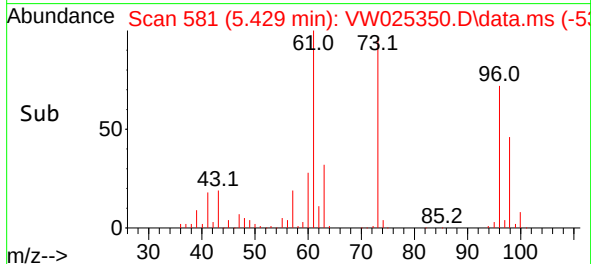
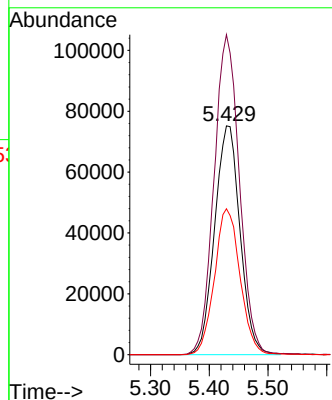
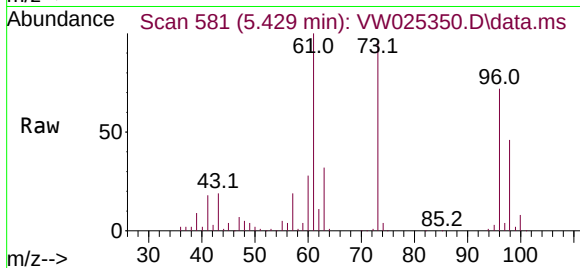
Tgt Ion: 96 Resp: 226048

Ion Ratio Lower Upper

96 100

61 139.9 94.8 176.0

98 63.8 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 52.794 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

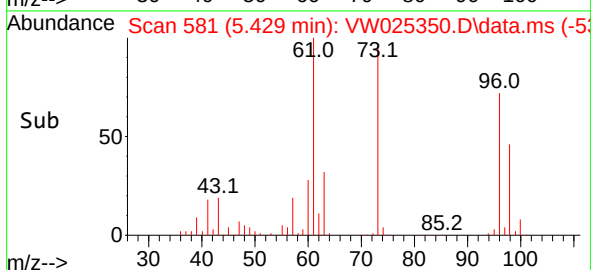
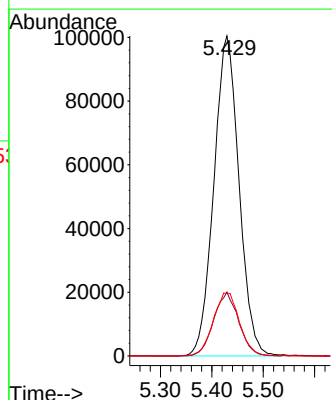
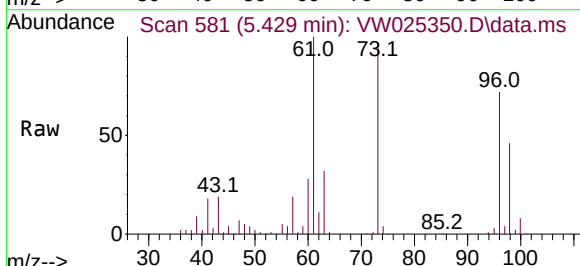
Tgt Ion: 73 Resp: 341433

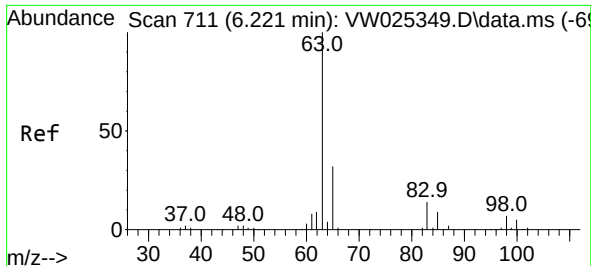
Ion Ratio Lower Upper

73 100

43 19.9 16.1 24.1

57 20.5 16.6 25.0





#19

1,1-Dichloroethane

Concen: 49.130 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

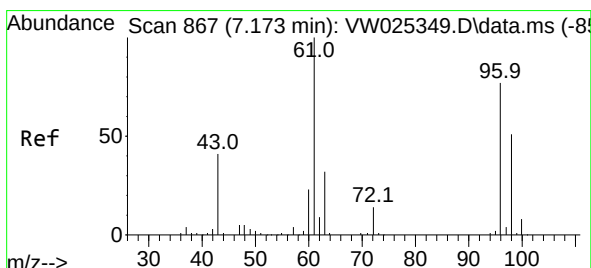
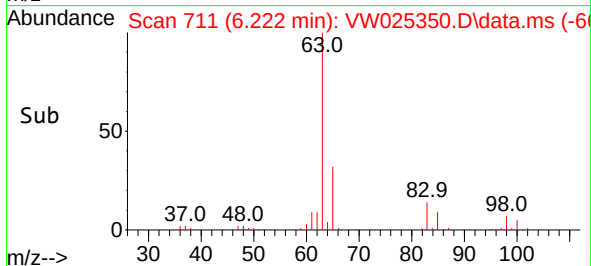
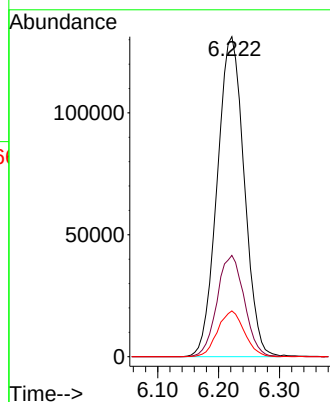
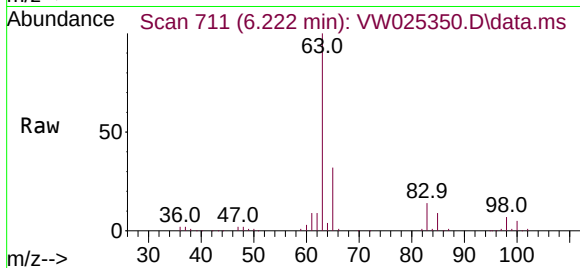
Tgt Ion: 63 Resp: 404256

Ion Ratio Lower Upper

63 100

65 31.7 22.1 41.1

83 14.3 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.144 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

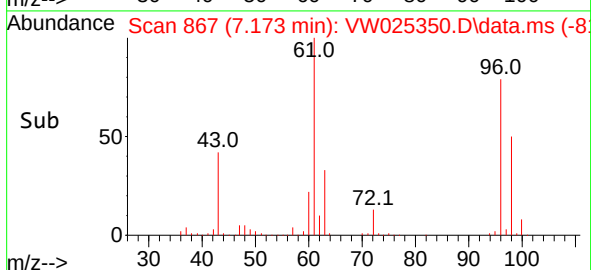
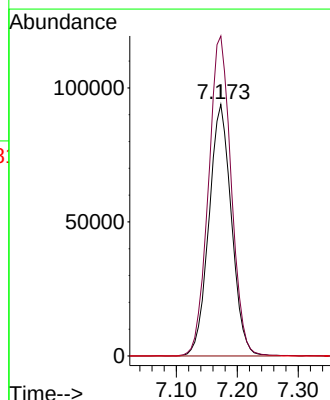
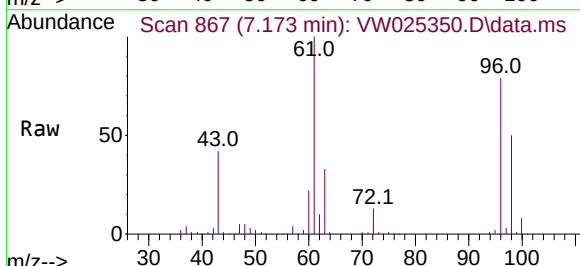
Tgt Ion: 96 Resp: 241261

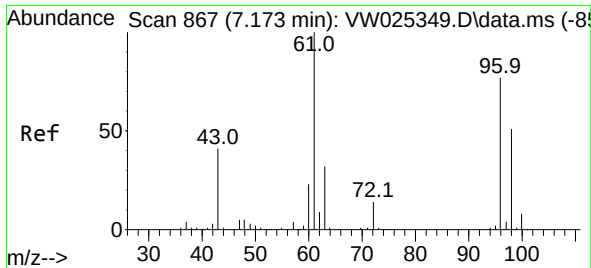
Ion Ratio Lower Upper

96 100

61 127.2 90.9 168.9

68 0.0 0.0 0.0

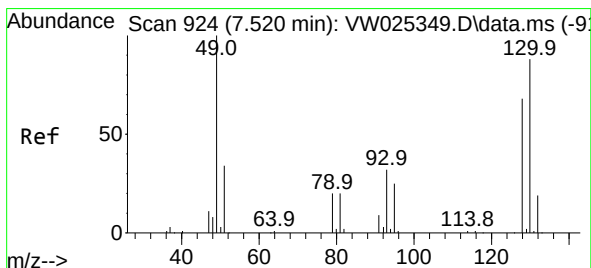
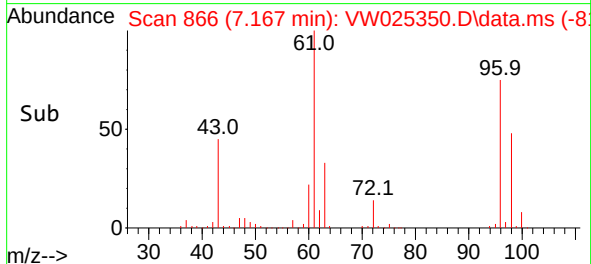
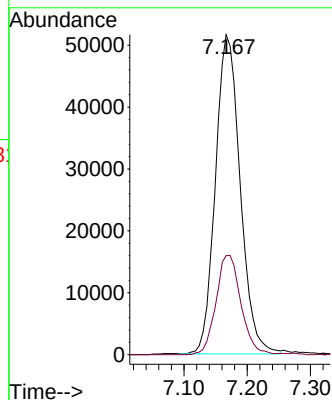
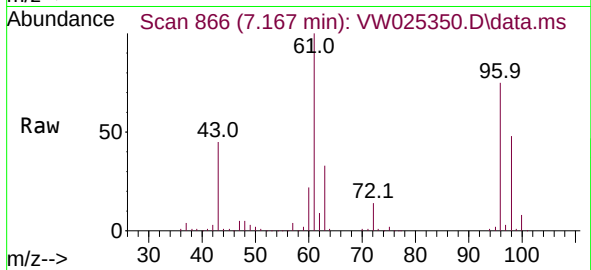




#22
2-Butanone
Concen: 112.889 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

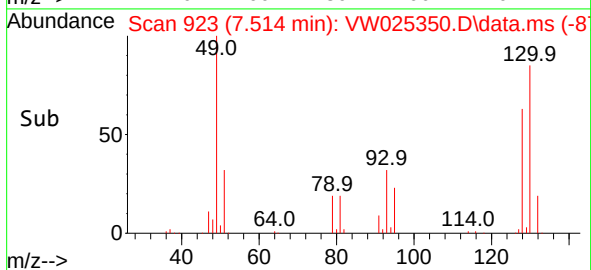
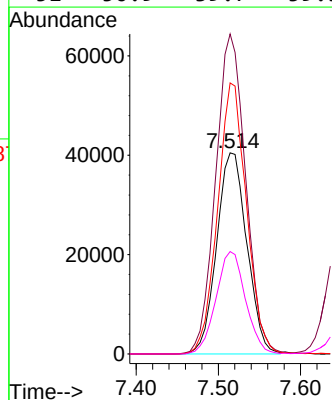
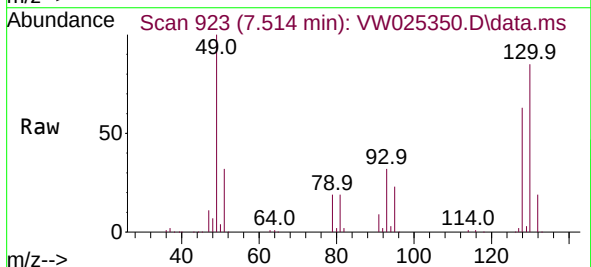
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

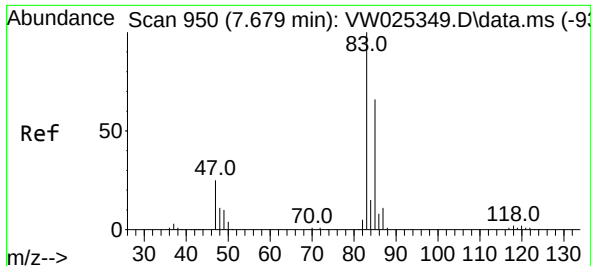
Tgt Ion: 43 Resp: 139850
Ion Ratio Lower Upper
43 100
72 31.3 15.0 45.1



#23
Bromochloromethane
Concen: 50.309 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion:128 Resp: 103292
Ion Ratio Lower Upper
128 100
49 159.2 102.4 190.2
130 134.8 90.1 167.3
51 50.9 39.7 59.5

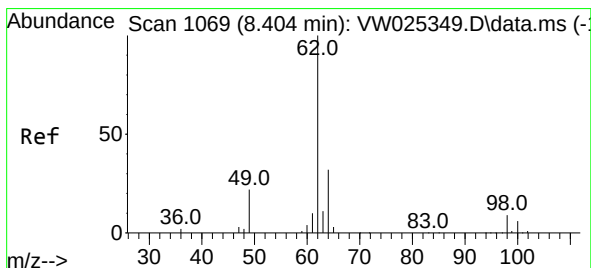
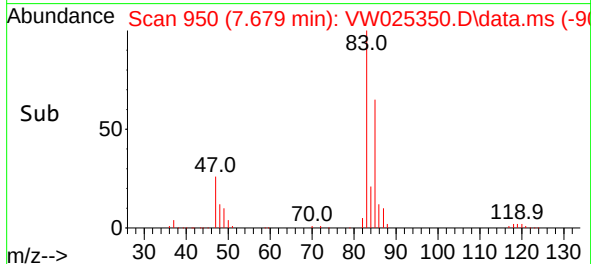
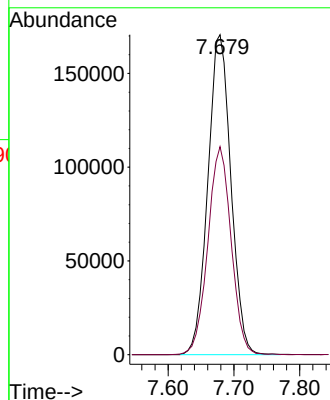
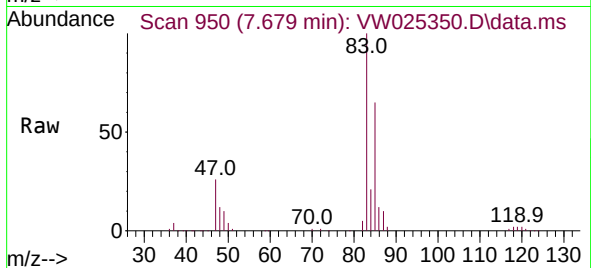




#25
Chloroform
Concen: 49.272 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

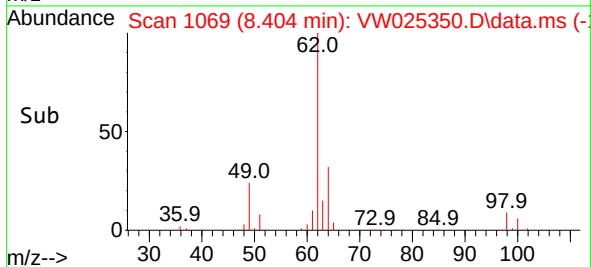
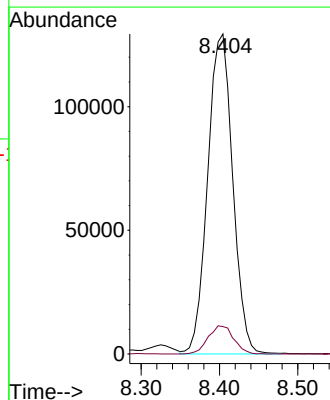
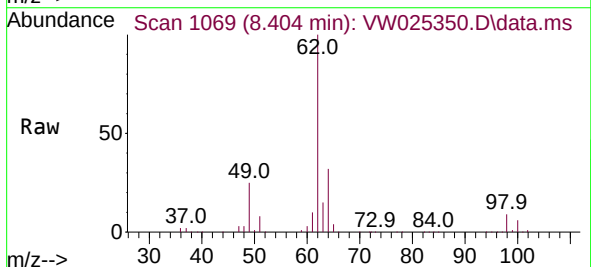
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

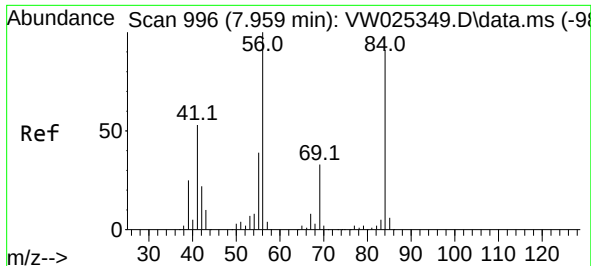
Tgt Ion: 83 Resp: 417217
Ion Ratio Lower Upper
83 100
85 65.0 45.9 85.3



#27
1,2-Dichloroethane
Concen: 50.378 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion: 62 Resp: 287741
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.0

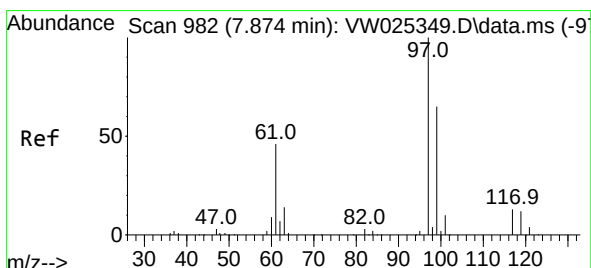
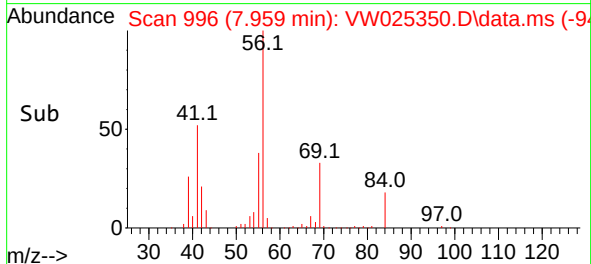
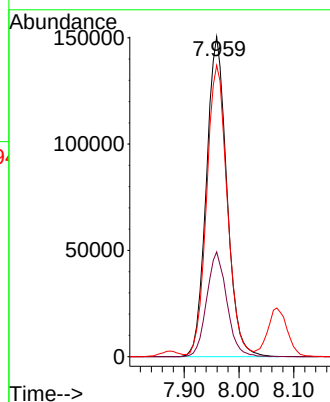
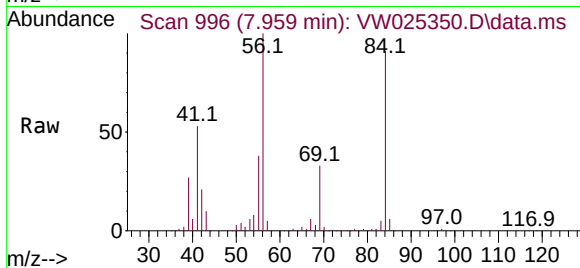




#29
Cyclohexane
Concen: 51.696 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

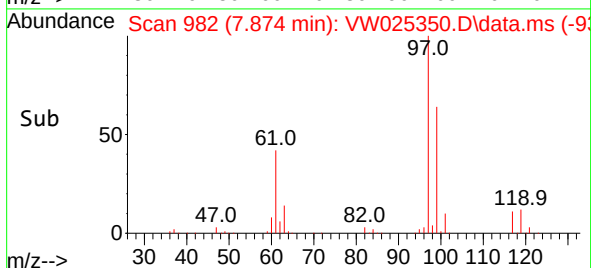
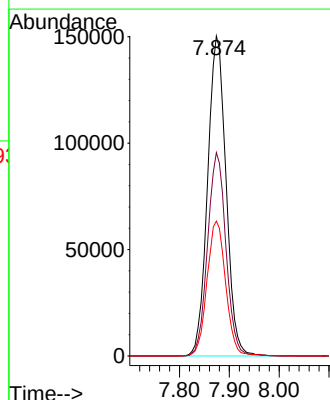
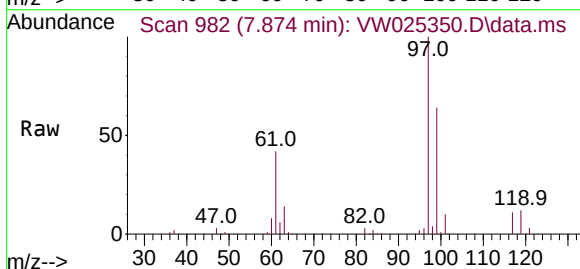
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

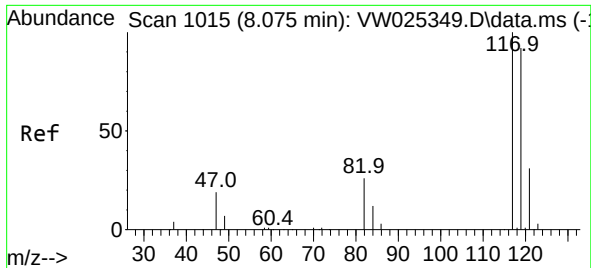
Tgt Ion: 56 Resp: 389466
Ion Ratio Lower Upper
56 100
69 32.2 25.9 38.9
84 92.3 74.6 111.8



#30
1,1,1-Trichloroethane
Concen: 49.777 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion: 97 Resp: 385903
Ion Ratio Lower Upper
97 100
99 63.1 51.6 77.4
61 42.7 35.1 52.7

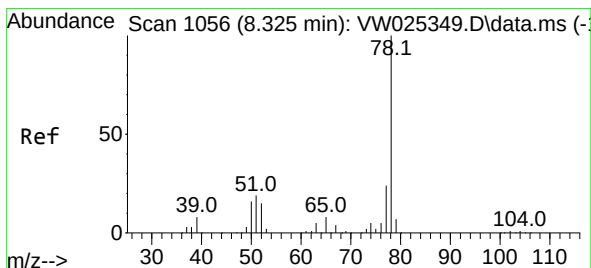
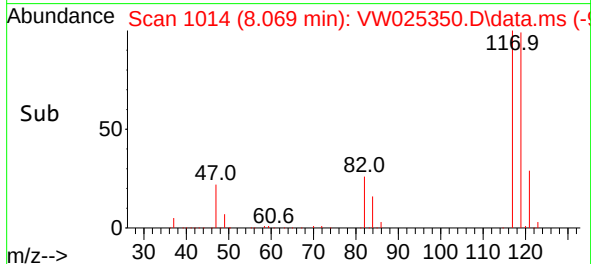
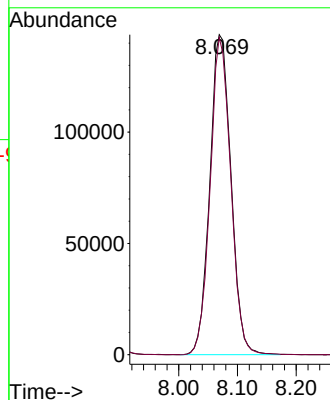
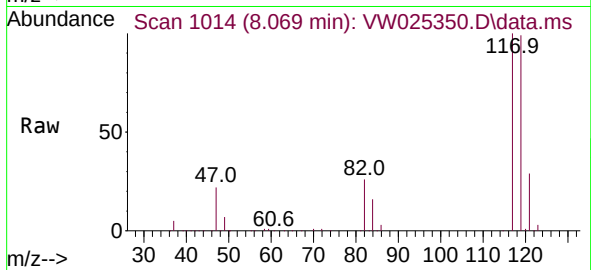




#31
Carbon tetrachloride
Concen: 49.516 ug/L
RT: 8.069 min Scan# 1015
Delta R.T. -0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

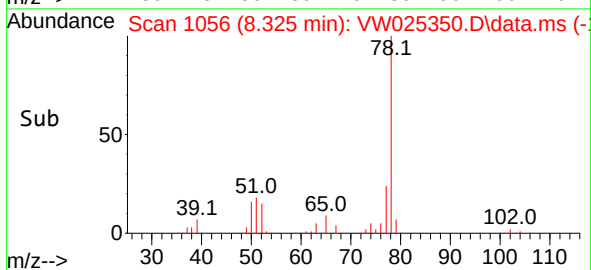
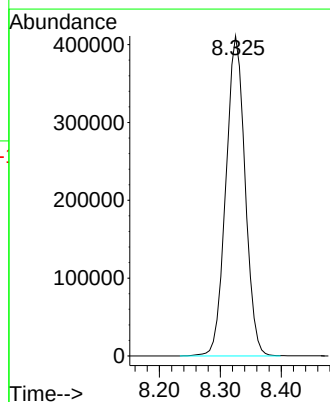
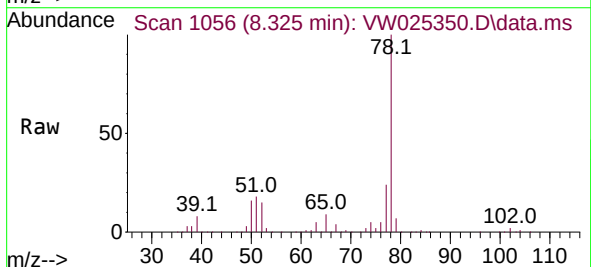
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

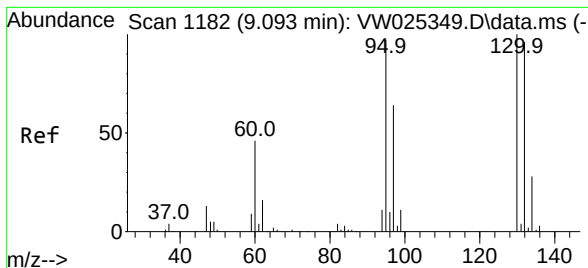
Tgt Ion:117 Resp: 361317
Ion Ratio Lower Upper
117 100
119 96.1 76.3 114.5



#33
Benzene
Concen: 49.194 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion: 78 Resp: 900218





#34

Trichloroethene

Concen: 49.243 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

Tgt Ion: 95 Resp: 251655

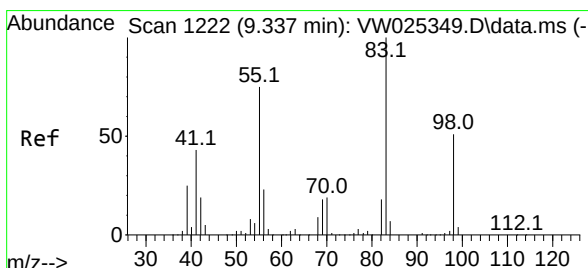
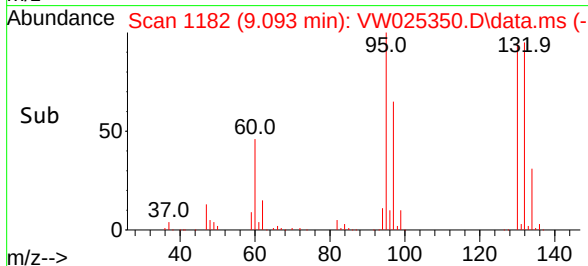
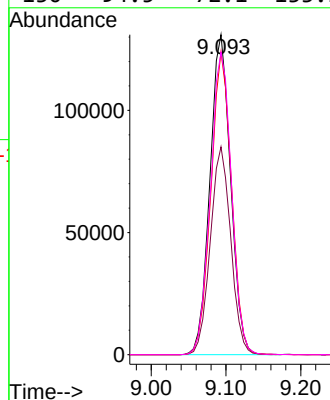
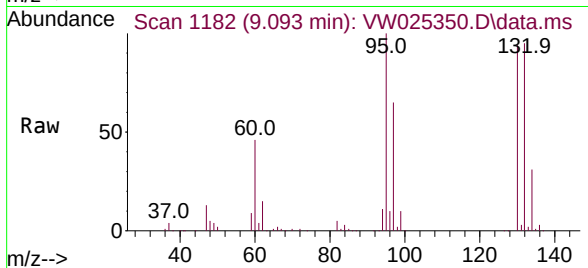
Ion Ratio Lower Upper

95 100

97 65.0 46.3 85.9

132 94.6 69.3 128.7

130 94.5 72.1 133.9



#35

Methylcyclohexane

Concen: 50.773 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

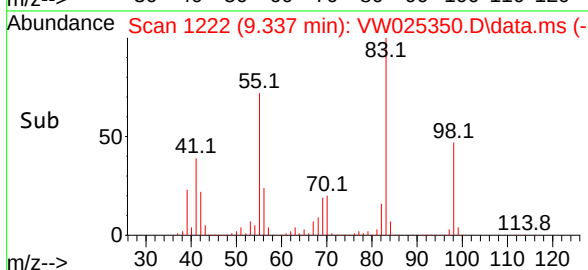
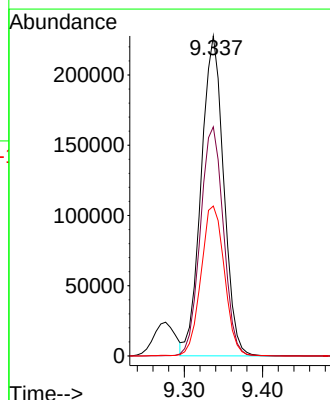
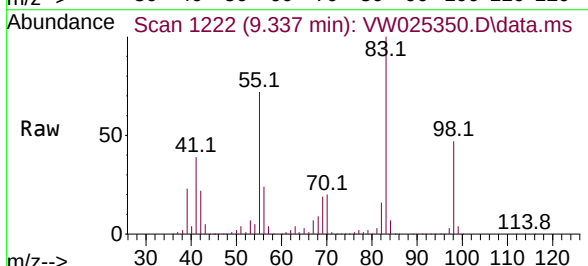
Tgt Ion: 83 Resp: 454714

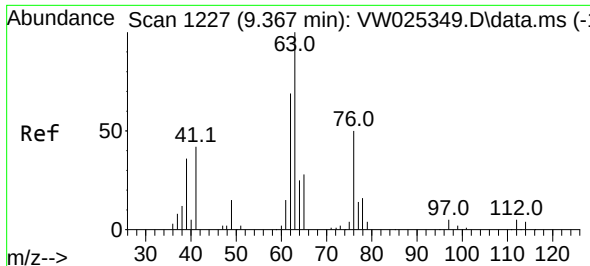
Ion Ratio Lower Upper

83 100

55 73.2 58.4 87.6

98 48.7 39.1 58.7

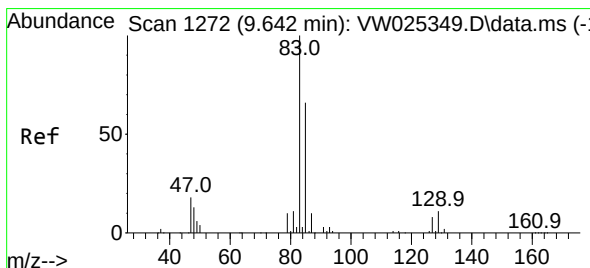
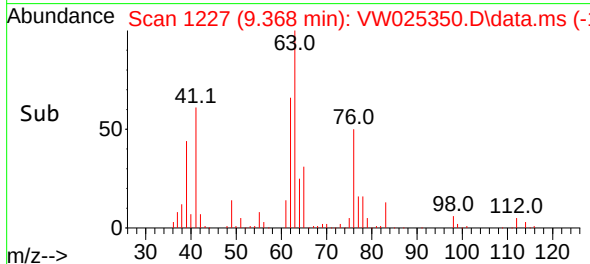
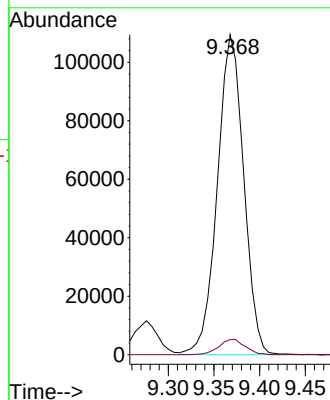
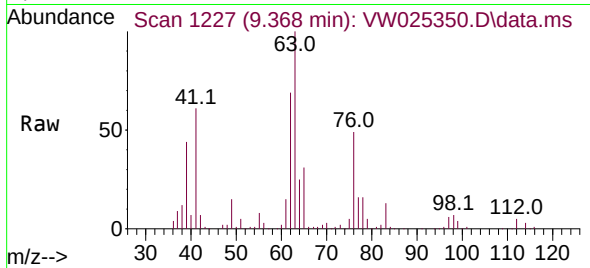




#37
1,2-Dichloropropane
Concen: 49.577 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

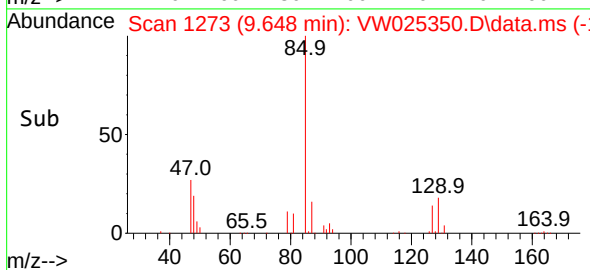
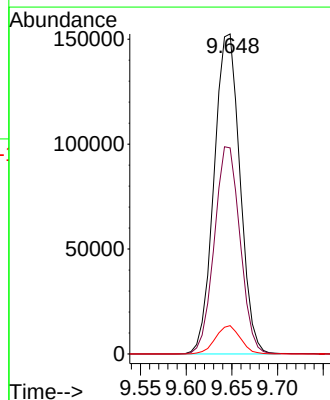
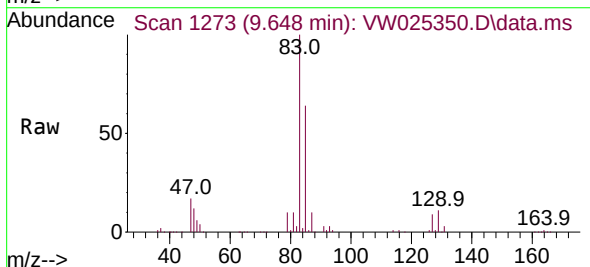
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

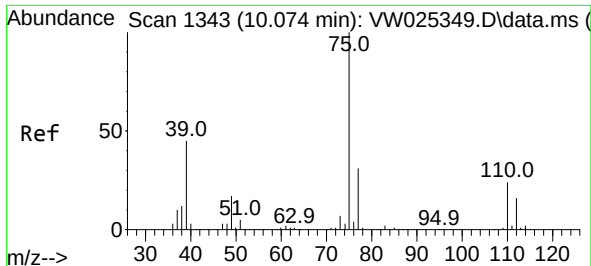
Tgt Ion: 63 Resp: 219452
Ion Ratio Lower Upper
63 100
112 4.8 3.9 5.9



#38
Bromodichloromethane
Concen: 50.102 ug/L
RT: 9.648 min Scan# 1273
Delta R.T. 0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion: 83 Resp: 300820
Ion Ratio Lower Upper
83 100
85 64.4 46.0 85.4
127 8.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 52.444 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

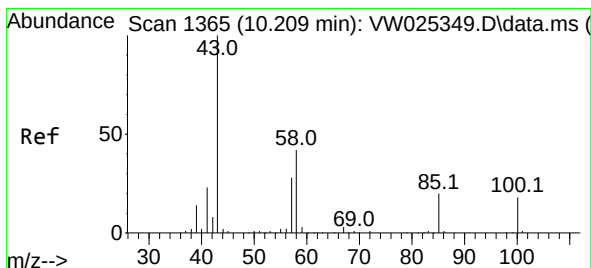
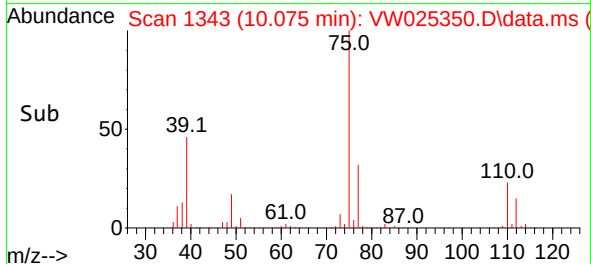
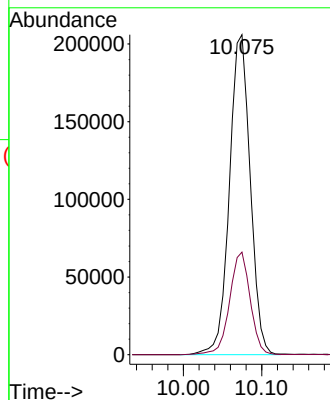
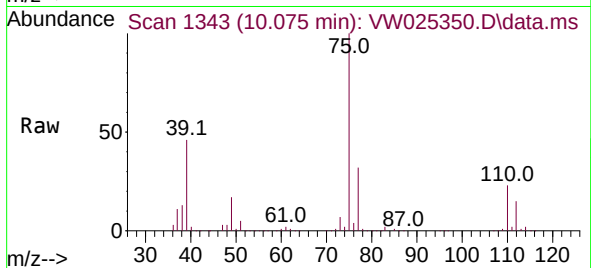
VSTD050428

Tgt Ion: 75 Resp: 379805

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 112.055 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

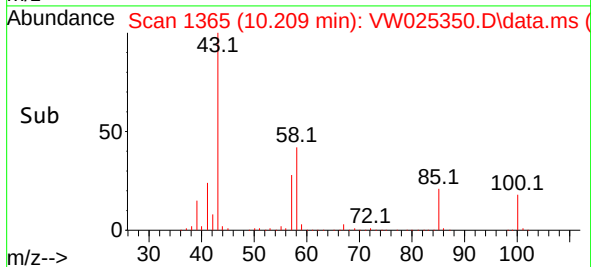
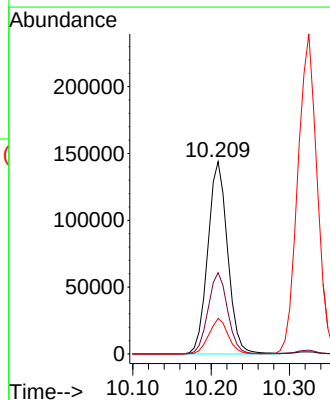
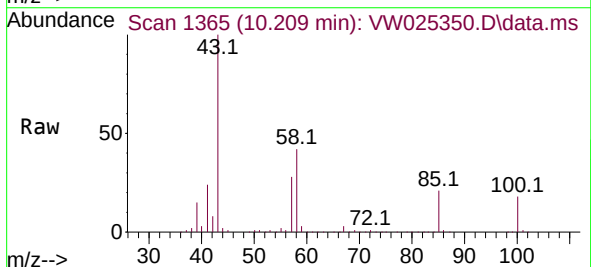
Tgt Ion: 43 Resp: 252332

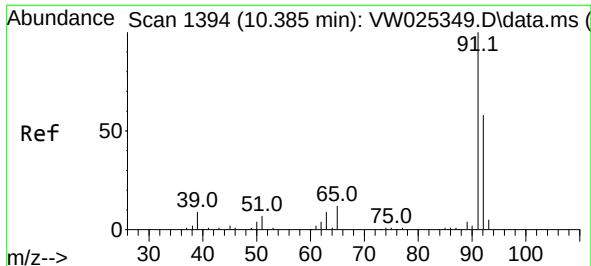
Ion Ratio Lower Upper

43 100

58 41.8 33.9 50.9

100 18.0 14.8 22.2





#42

Toluene

Concen: 50.018 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

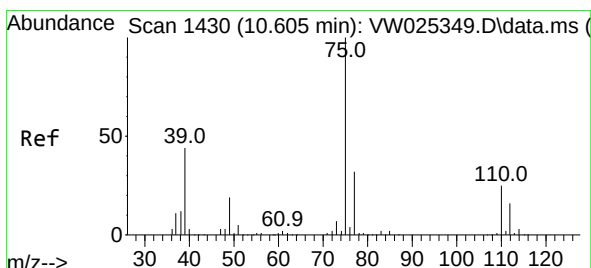
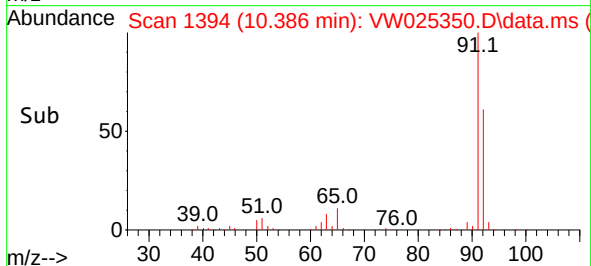
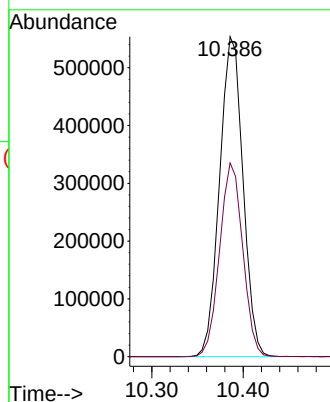
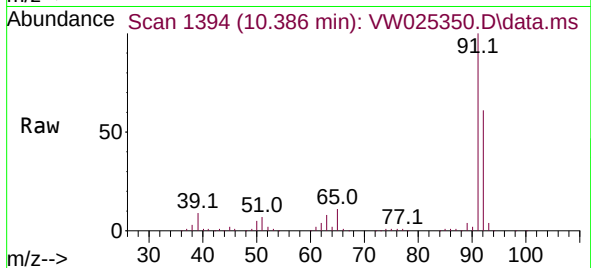
VSTD050428

Tgt Ion: 91 Resp: 985382

Ion Ratio Lower Upper

91 100

92 60.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 53.939 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW025350.D

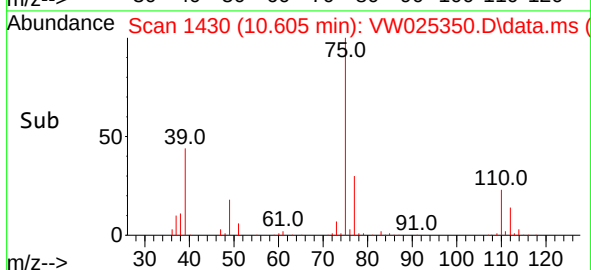
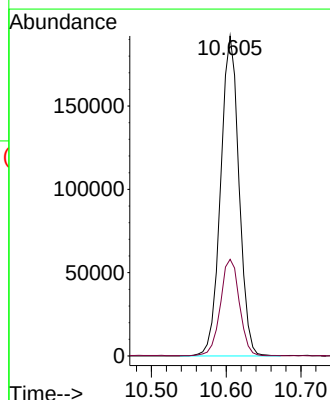
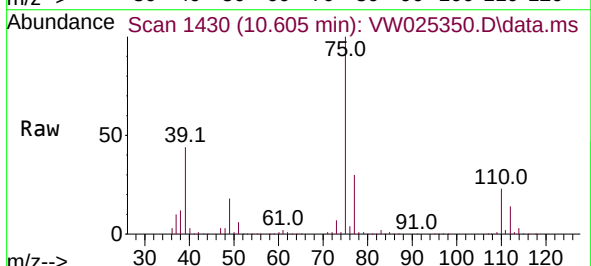
Acq: 22 Feb 2023 10:09

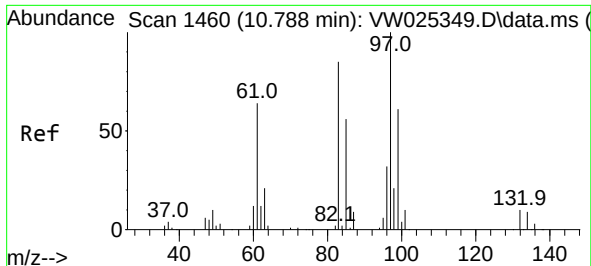
Tgt Ion: 75 Resp: 328375

Ion Ratio Lower Upper

75 100

77 30.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 51.372 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

Tgt Ion: 97 Resp: 169608

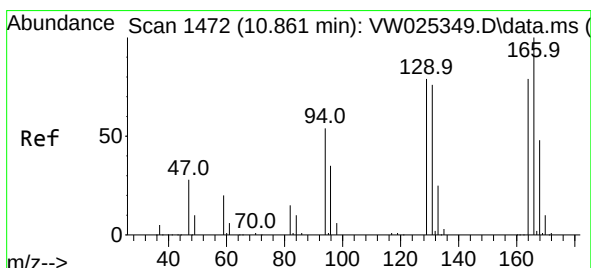
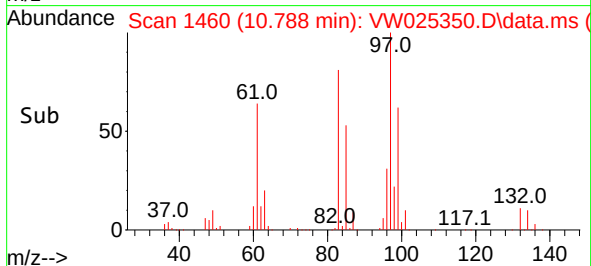
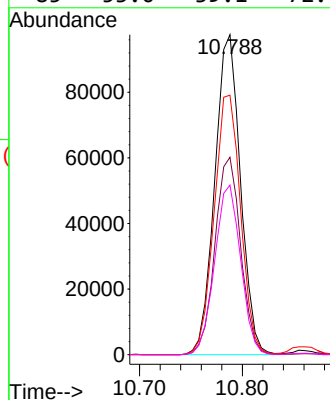
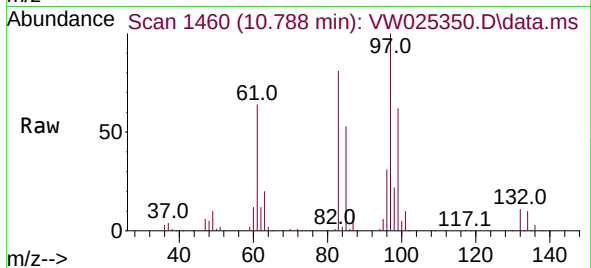
Ion Ratio Lower Upper

97 100

99 61.7 42.6 79.0

83 81.1 59.3 110.1

85 53.0 39.1 72.7



#46

Tetrachloroethene

Concen: 49.104 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Tgt Ion:164 Resp: 189498

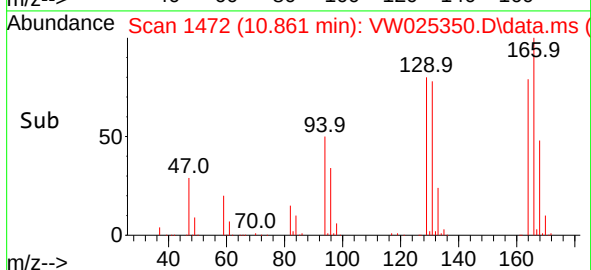
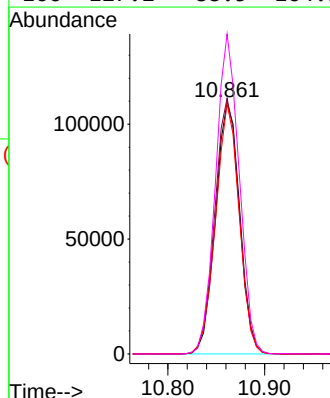
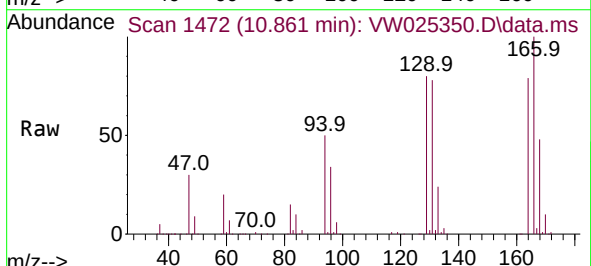
Ion Ratio Lower Upper

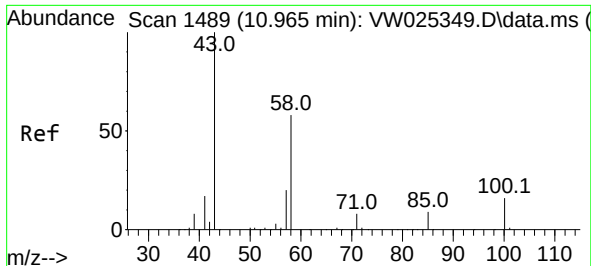
164 100

129 101.6 69.6 129.2

131 99.5 67.4 125.2

166 127.2 88.5 164.3

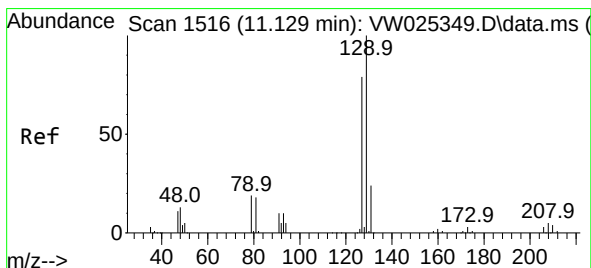
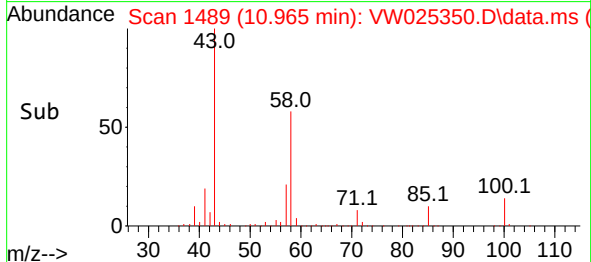
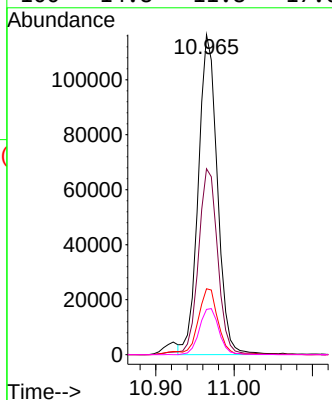
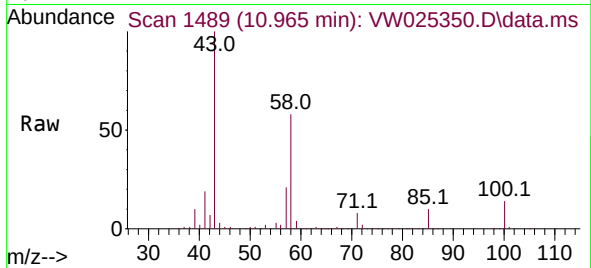




#48
2-Hexanone
Concen: 117.039 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

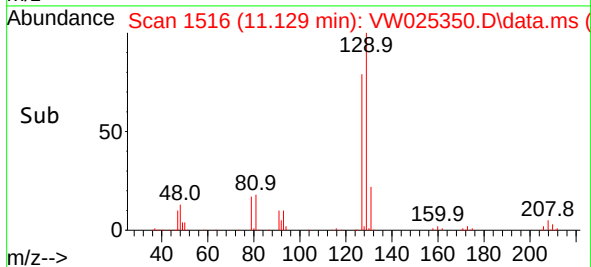
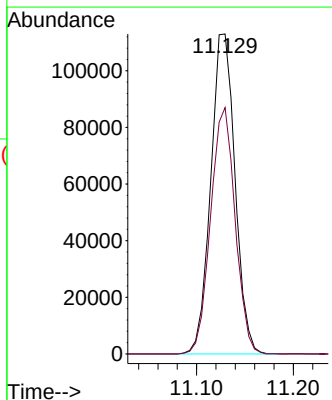
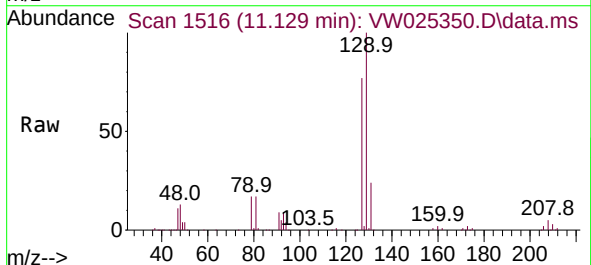
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

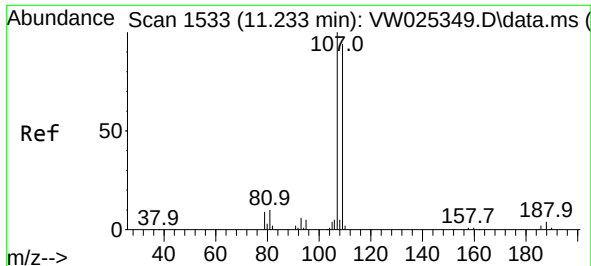
Tgt Ion:	43	Resp:	196712
Ion	Ratio	Lower	Upper
43	100		
58	56.6	47.0	70.4
57	20.8	17.0	25.4
100	14.8	11.8	17.6



#49
Dibromochloromethane
Concen: 51.724 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion:	129	Resp:	197259
Ion	Ratio	Lower	Upper
129	100		
127	77.0	55.3	102.7





#50

1,2-Dibromoethane

Concen: 51.998 ug/L

RT: 11.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

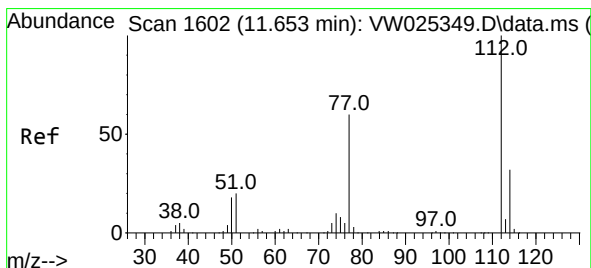
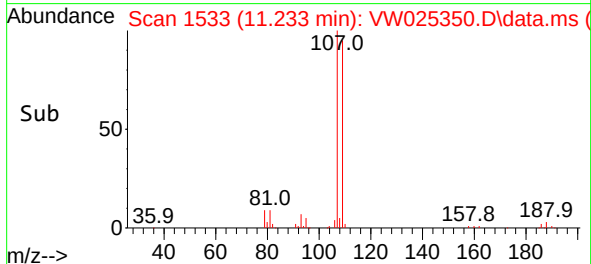
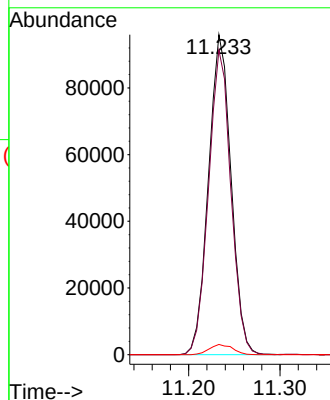
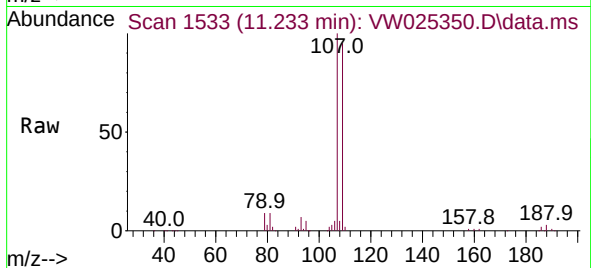
Tgt Ion:107 Resp: 164579

Ion Ratio Lower Upper

107 100

109 95.2 65.9 122.5

188 3.2 2.9 4.3



#51

Chlorobenzene

Concen: 48.809 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

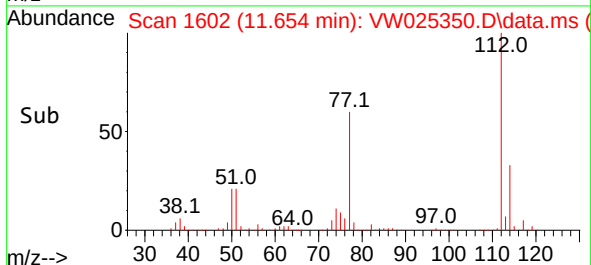
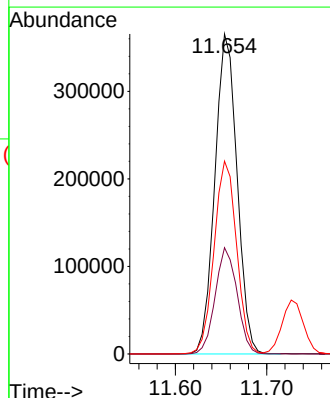
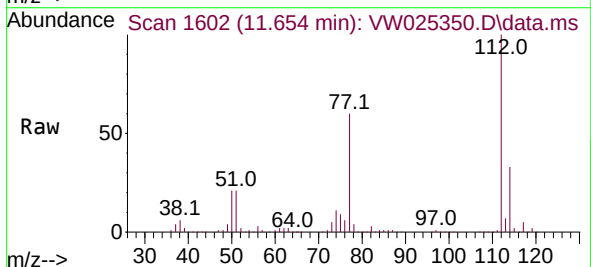
Tgt Ion:112 Resp: 617524

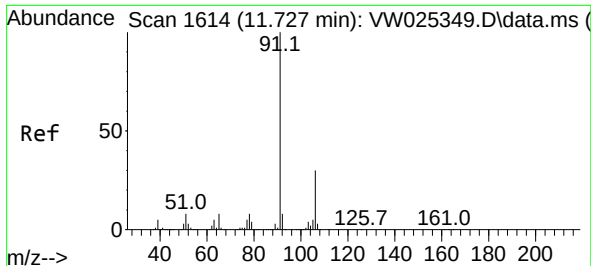
Ion Ratio Lower Upper

112 100

114 33.2 22.2 41.2

77 60.3 48.2 72.2

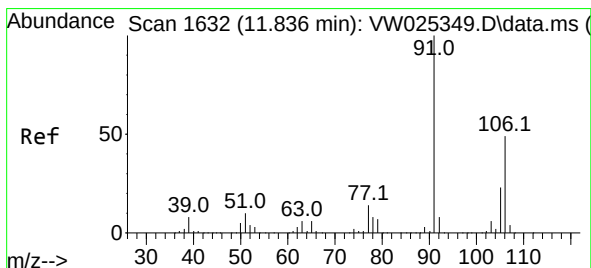
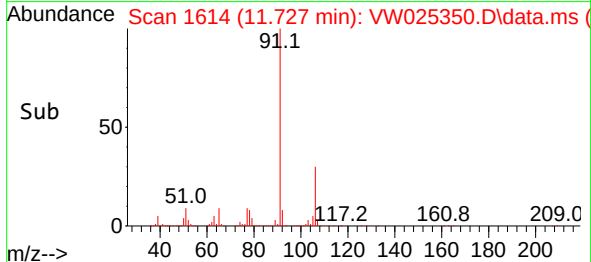
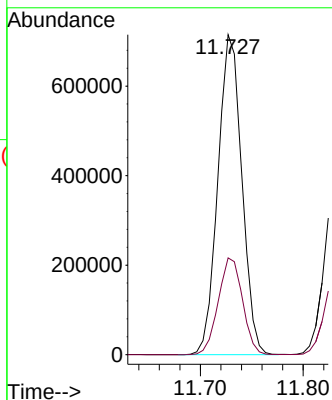
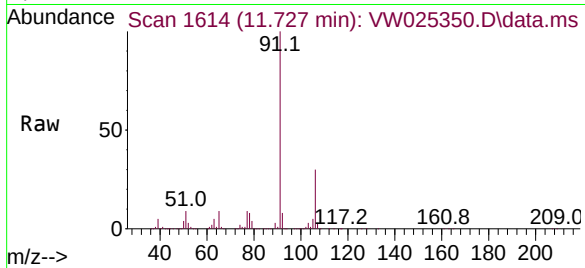




#52
Ethylbenzene
Concen: 50.633 ug/L
RT: 11.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

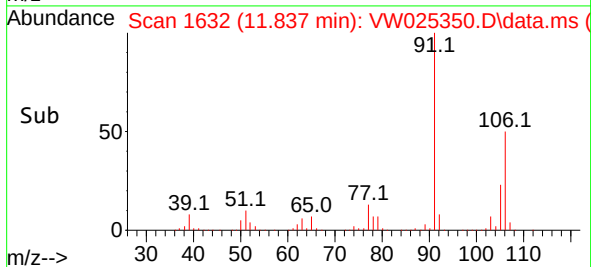
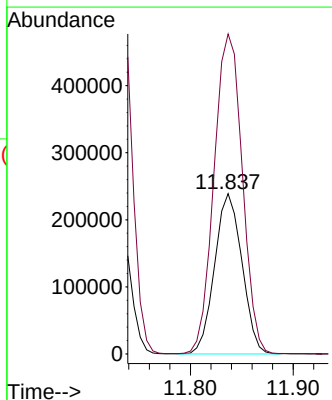
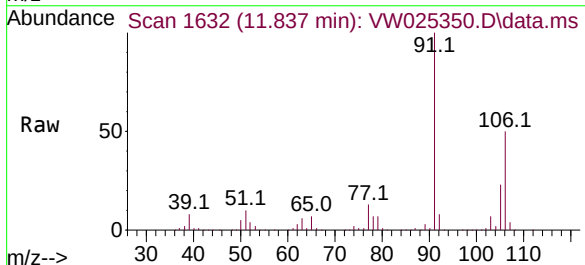
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

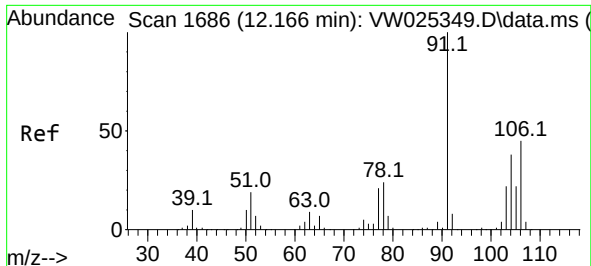
Tgt Ion: 91 Resp: 1155891
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#53
m,p-Xylene
Concen: 50.885 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion:106 Resp: 441374
Ion Ratio Lower Upper
106 100
91 199.6 144.1 267.7

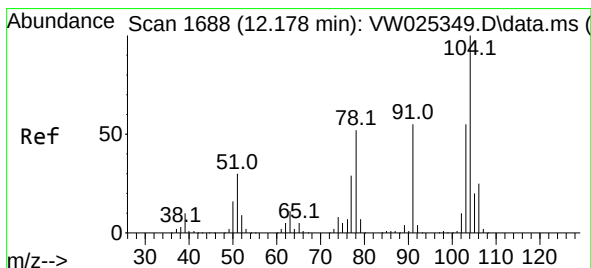
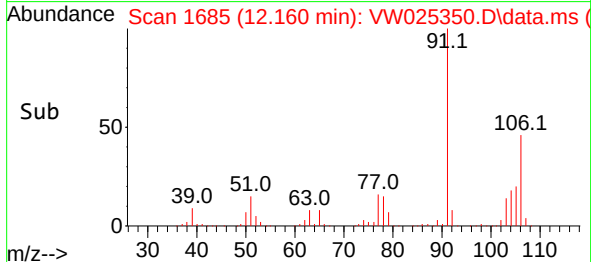
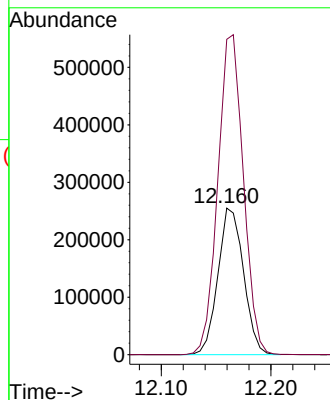
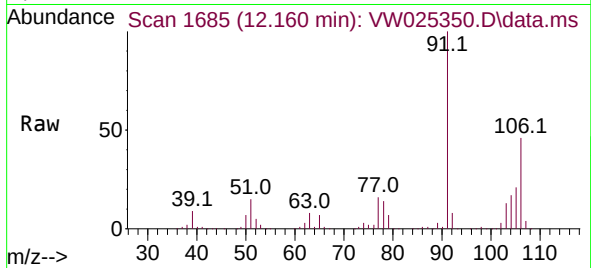




#54
o-Xylene
Concen: 51.649 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

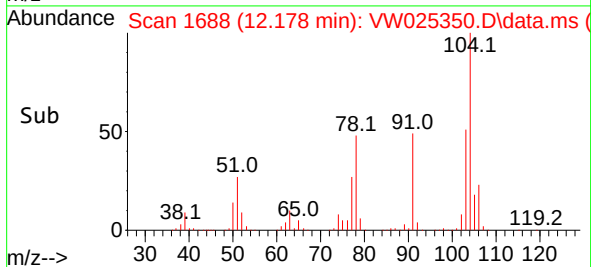
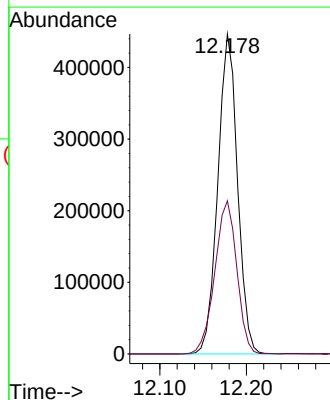
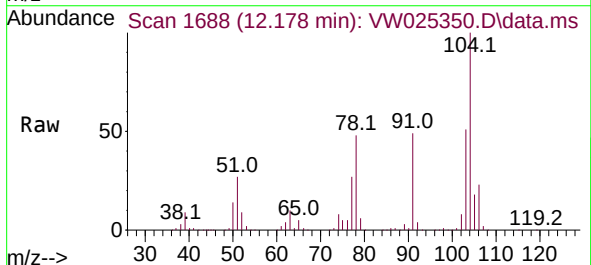
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

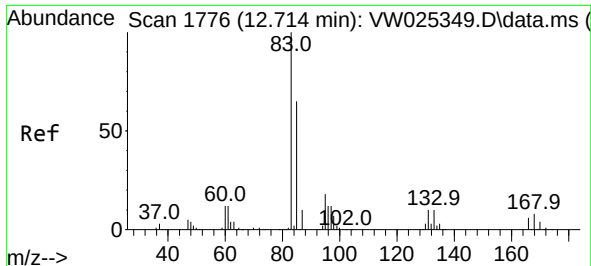
Tgt Ion:106 Resp: 414170
Ion Ratio Lower Upper
106 100
91 215.2 157.1 291.7



#55
Styrene
Concen: 51.822 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion:104 Resp: 706716
Ion Ratio Lower Upper
104 100
78 47.9 36.6 68.0





#57

1,1,2,2-Tetrachloroethane

Concen: 52.551 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

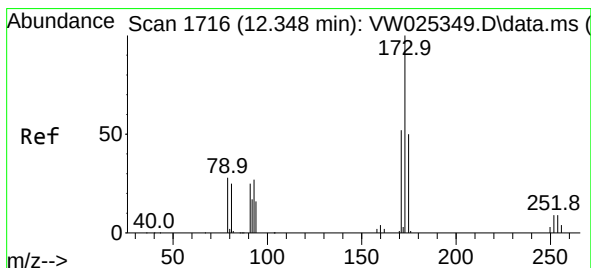
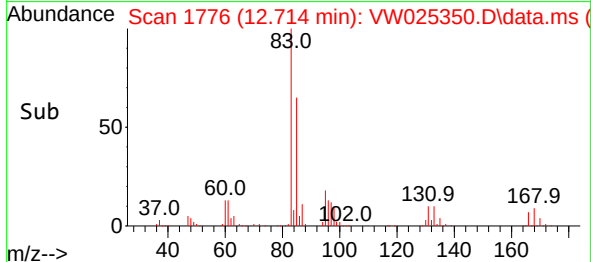
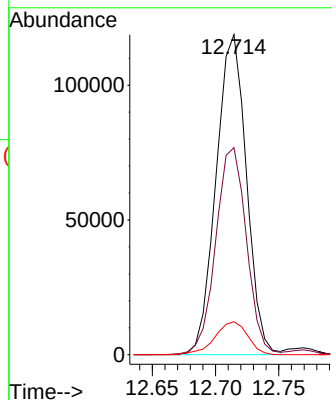
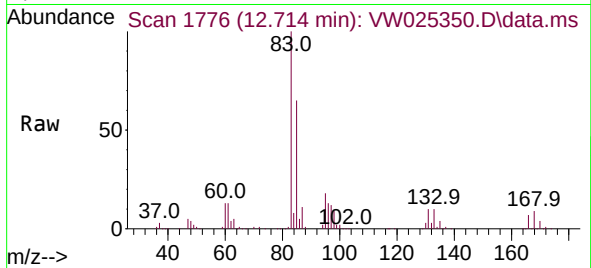
Tgt Ion: 83 Resp: 198071

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6

131 10.3 8.2 12.2



#59

Bromoform

Concen: 58.049 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

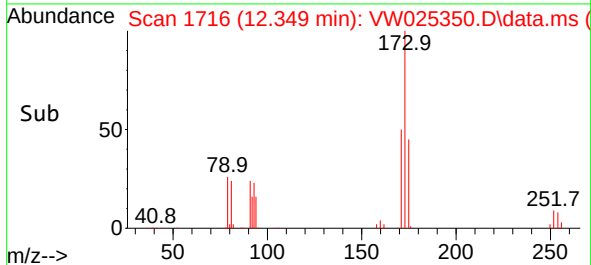
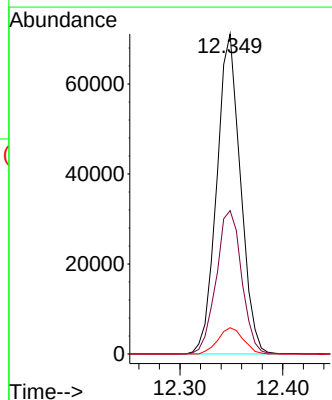
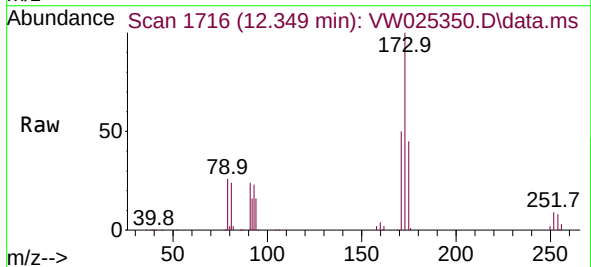
Tgt Ion:173 Resp: 113781

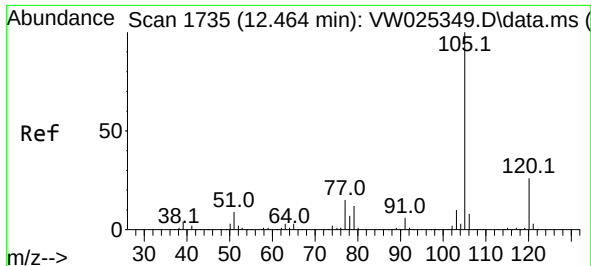
Ion Ratio Lower Upper

173 100

175 48.0 39.0 58.6

254 8.7 7.3 10.9

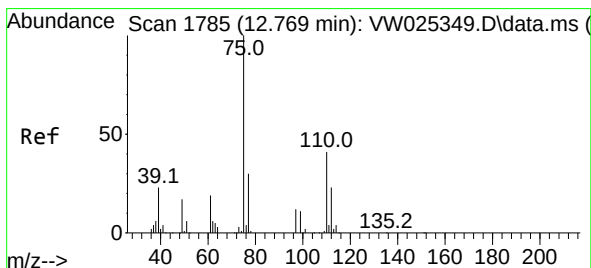
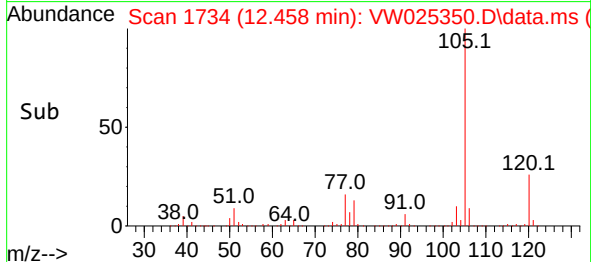
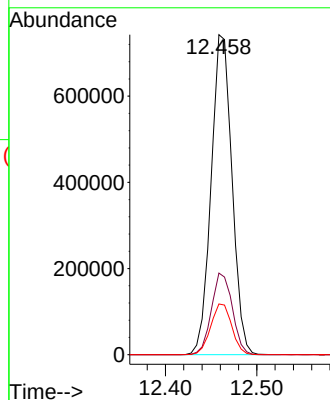
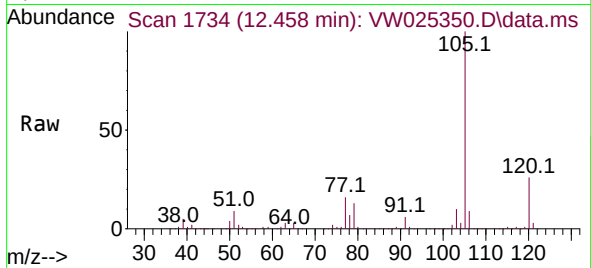




#60
Isopropylbenzene
Concen: 54.893 ug/L
RT: 12.458 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

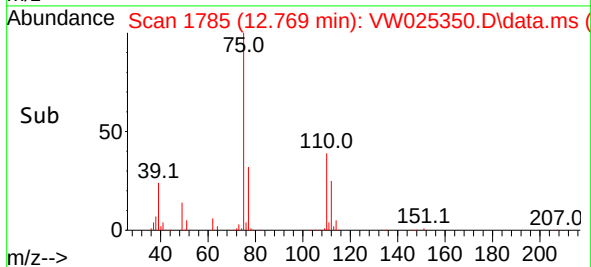
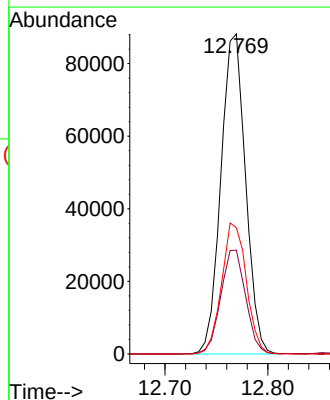
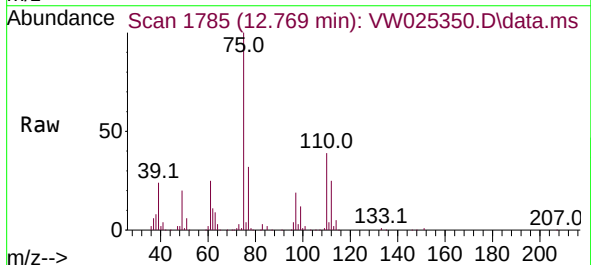
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

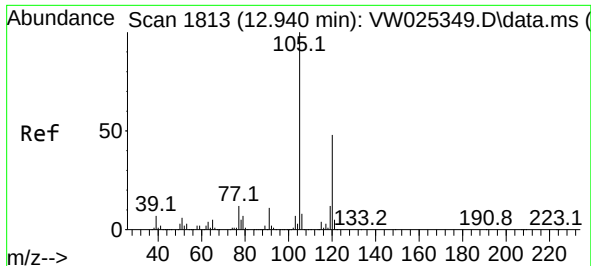
Tgt Ion:105 Resp: 1175514
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 16.0 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 56.665 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion: 75 Resp: 146994
Ion Ratio Lower Upper
75 100
77 32.8 26.3 39.5
110 40.9 32.6 49.0

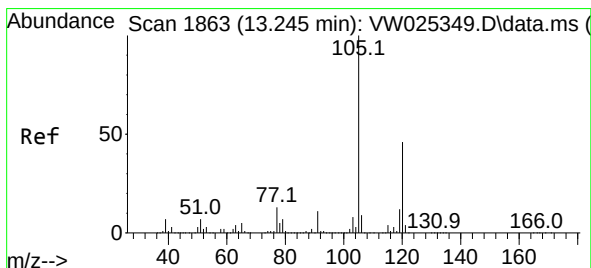
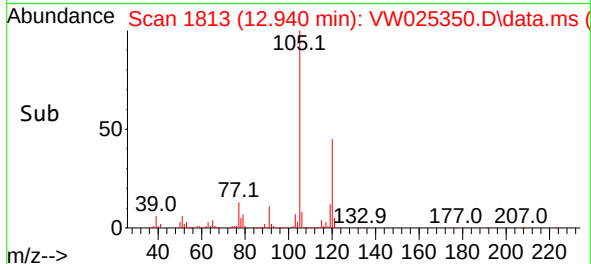
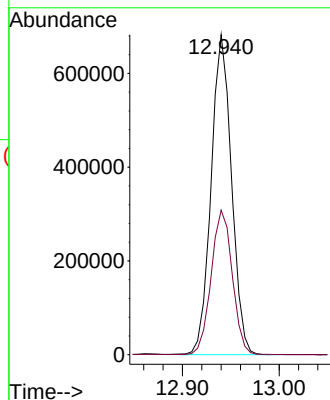
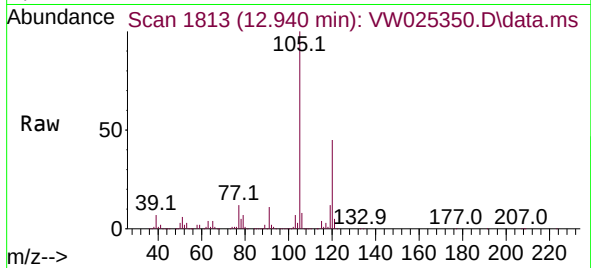




#62
1,3,5-Trimethylbenzene
Concen: 58.178 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

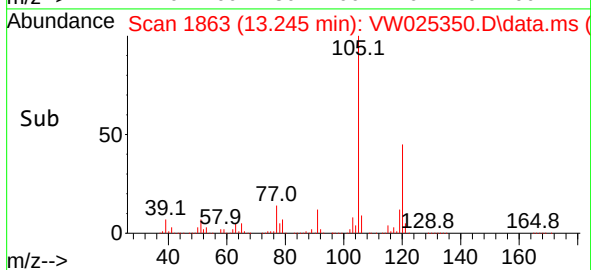
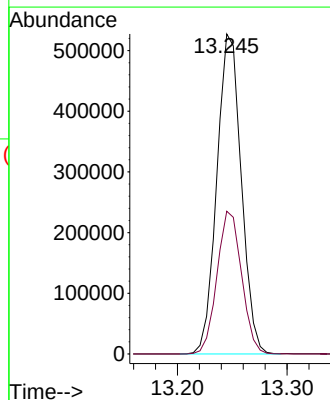
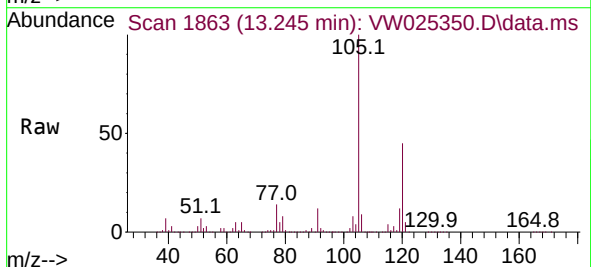
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

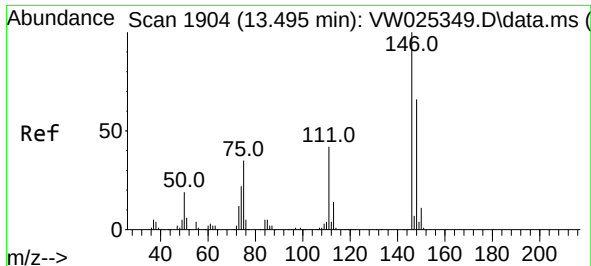
Tgt Ion:105 Resp: 1000561
Ion Ratio Lower Upper
105 100
120 46.7 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 50.188 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion:105 Resp: 817049
Ion Ratio Lower Upper
105 100
120 44.8 35.6 53.4

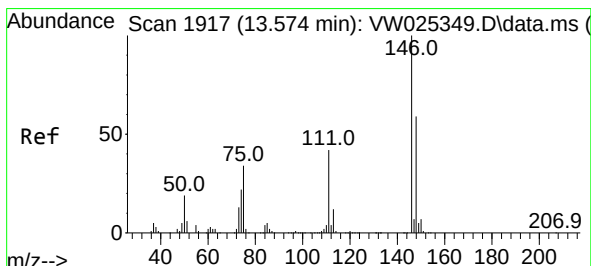
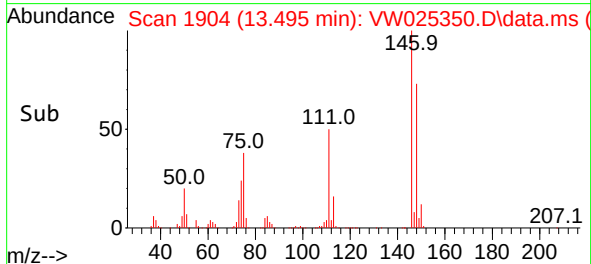
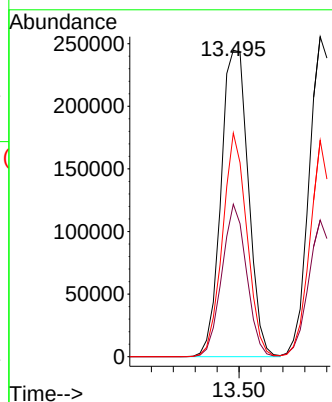
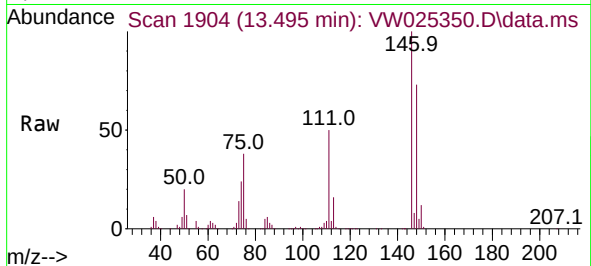




#64
1,3-Dichlorobenzene
Concen: 50.736 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

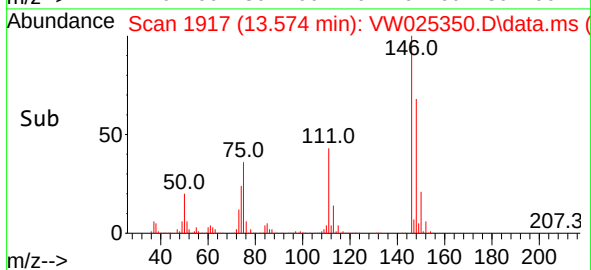
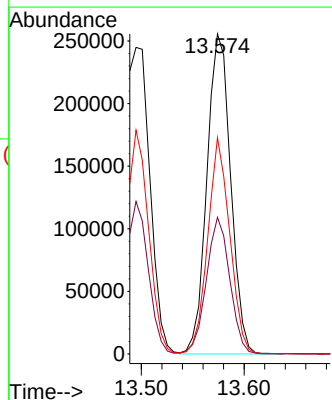
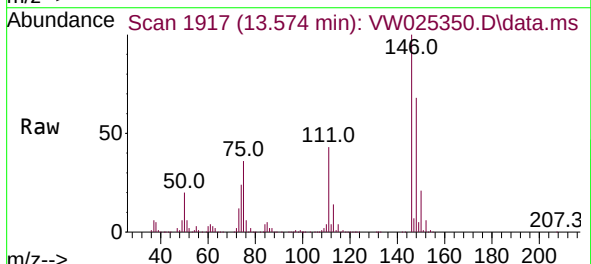
Instrument :
MSVOA_W
ClientSampleId :
VSTD050428

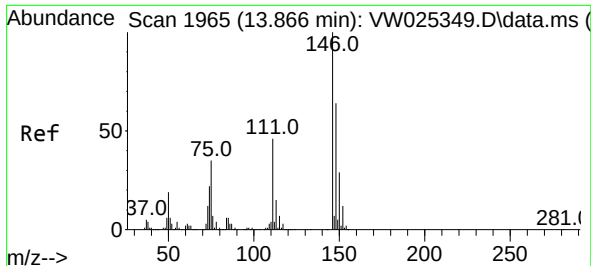
Tgt Ion:146 Resp: 424853
Ion Ratio Lower Upper
146 100
111 49.7 29.5 54.7
148 73.0 46.0 85.4



#65
1,4-Dichlorobenzene
Concen: 48.814 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW025350.D
Acq: 22 Feb 2023 10:09

Tgt Ion:146 Resp: 409794
Ion Ratio Lower Upper
146 100
111 42.7 29.8 55.3
148 67.6 41.7 77.5





#67

1,2-Dichlorobenzene

Concen: 56.020 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

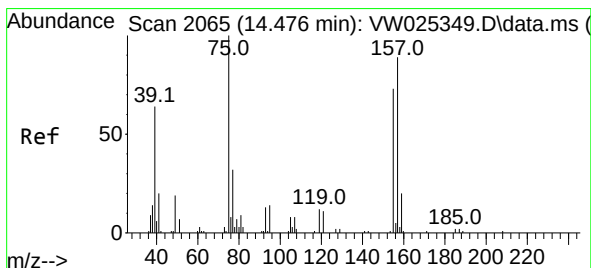
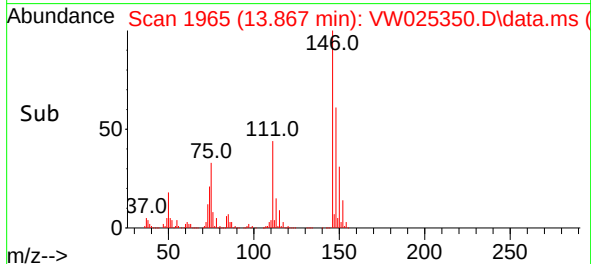
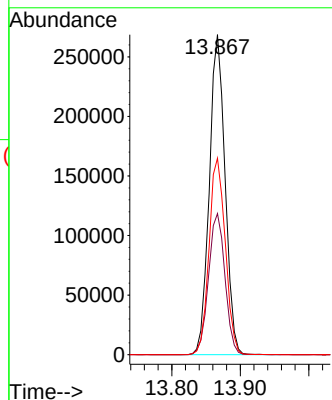
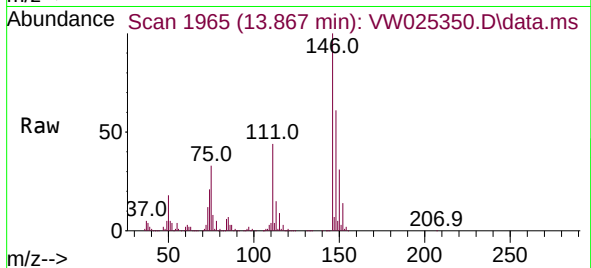
Tgt Ion:146 Resp: 430175

Ion Ratio Lower Upper

146 100

111 44.1 36.5 54.7

148 61.4 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 61.425 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

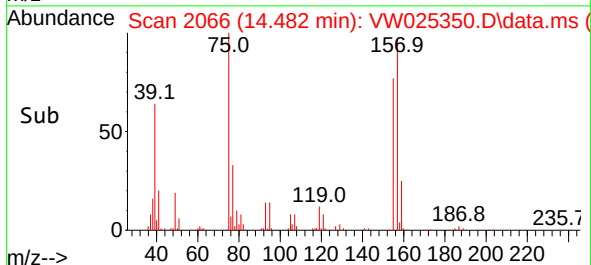
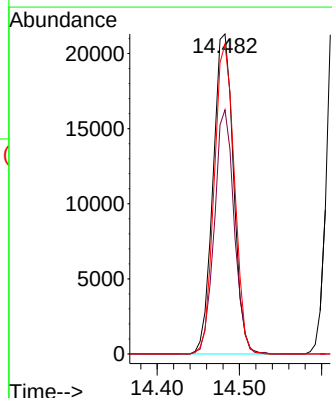
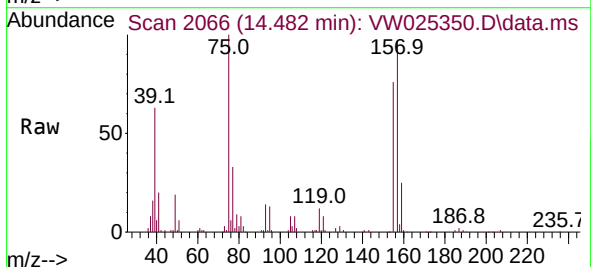
Tgt Ion: 75 Resp: 36818

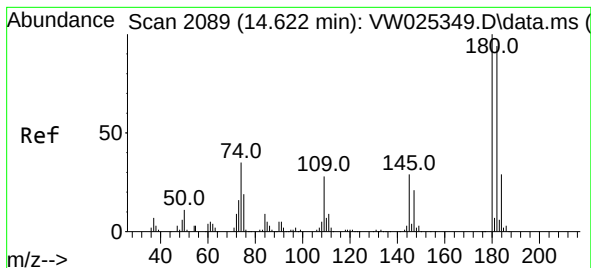
Ion Ratio Lower Upper

75 100

155 76.3 58.6 87.8

157 96.8 71.4 107.0





#69

1,3,5-Trichlorobenzene

Concen: 58.422 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

Tgt Ion:180 Resp: 334854

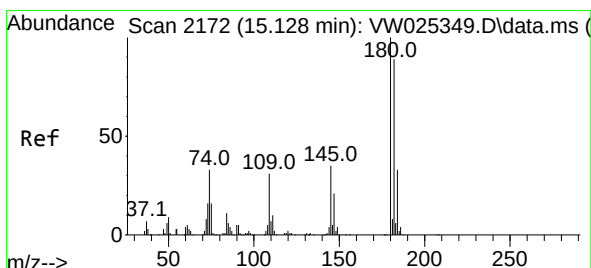
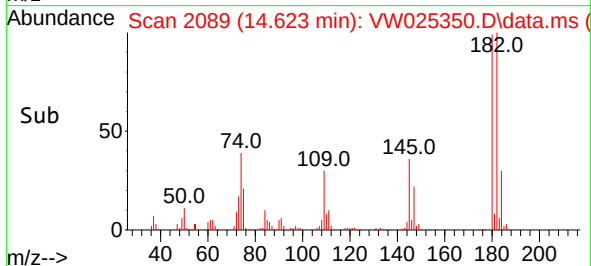
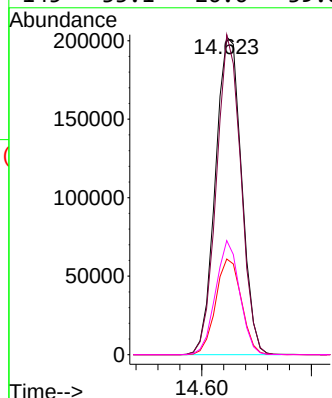
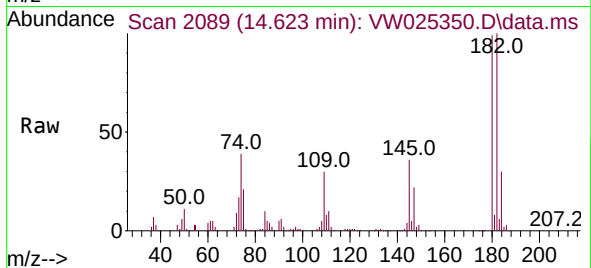
Ion Ratio Lower Upper

180 100

182 94.5 76.5 114.7

184 29.7 25.2 37.8

145 33.1 26.6 39.8



#70

1,2,4-trichlorobenzene

Concen: 56.143 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

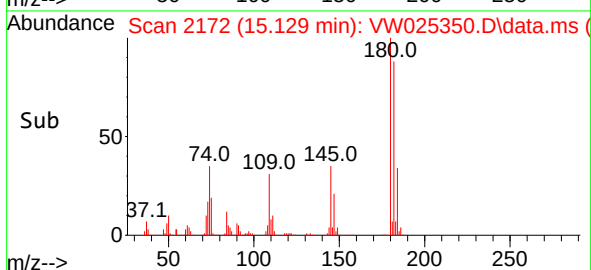
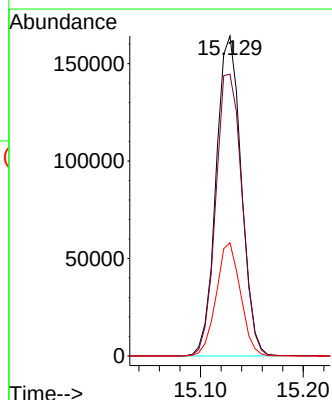
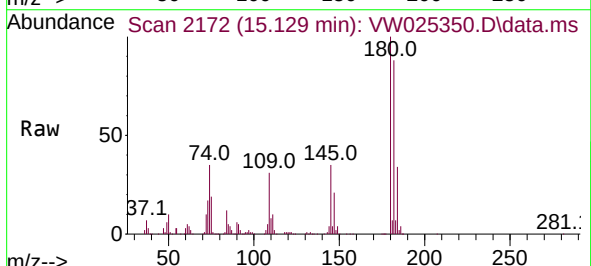
Tgt Ion:180 Resp: 279224

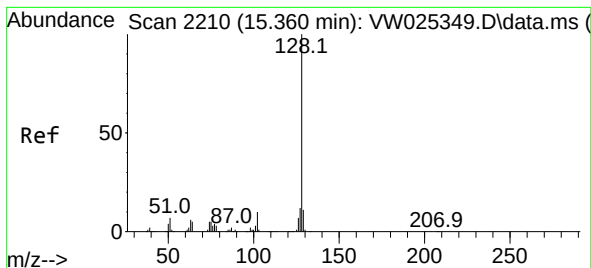
Ion Ratio Lower Upper

180 100

182 91.8 72.6 109.0

145 34.1 26.4 39.6





#71

Naphthalene

Concen: 64.337 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTD050428

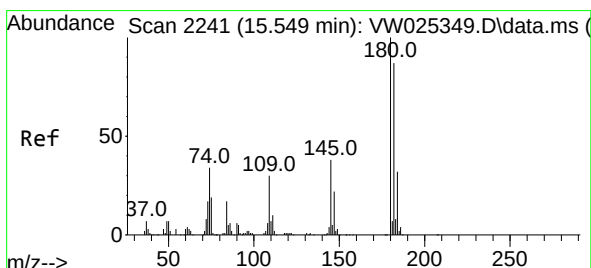
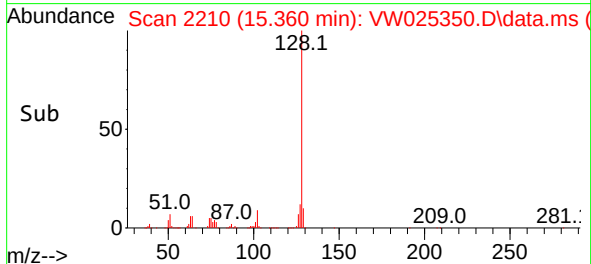
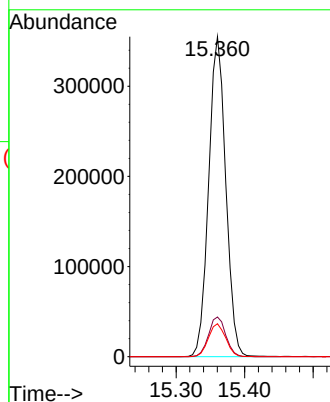
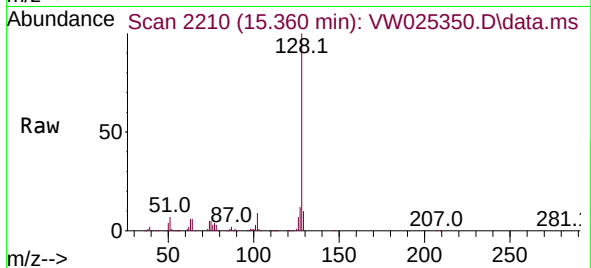
Tgt Ion:128 Resp: 615262

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 10.4 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 58.637 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW025350.D

Acq: 22 Feb 2023 10:09

Tgt Ion:180 Resp: 247668

Ion Ratio Lower Upper

180 100

182 93.3 76.6 115.0

145 35.0 29.3 43.9

