

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027560.D
 Acq On : 06 Dec 2023 11:11
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100476

Quant Time: Dec 07 06:37:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 07 06:34:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	258973	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	230875	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	118113	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	459304	95.894	ug/L	0.00
7) Chloroethane-d5	2.899	69	345704	103.787	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.027	65	202149	97.955	ug/L	0.00
21) 2-Butanone-d5	7.075	46	288485	297.160	ug/L	0.00
24) Chloroform-d	7.654	84	746138	99.795	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	389652	106.551	ug/L	0.00
32) Benzene-d6	8.276	84	1576519	101.763	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	473431	101.301	ug/L	0.00
41) Toluene-d8	10.325	98	1412653	102.480	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	194936	112.509	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	209580	314.969	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	410137	132.796	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	412349	94.617	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.021	85	304543	99.928	ug/L	100
3) Chloromethane	2.229	50	379124	96.103	ug/L	98
5) Vinyl chloride	2.375	62	428240	93.869	ug/L	99
6) Bromomethane	2.796	94	227201	92.800	ug/L	96
8) Chloroethane	2.936	64	251417	97.660	ug/L	97
9) Trichlorofluoromethane	3.277	101	451681	120.221	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	363115	99.025	ug/L #	72
12) 1,1-Dichloroethene	4.051	96	338676	96.191	ug/L	88
13) Acetone	4.125	43	238136	233.619	ug/L	100
14) Carbon disulfide	4.393	76	925887	79.387	ug/L	98
15) Methyl Acetate	4.673	43	214616	132.851	ug/L	100
16) Methylene chloride	4.923	84	335079	80.199	ug/L	95
17) trans-1,2-Dichloroethene	5.435	96	344459	93.504	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	586038	109.224	ug/L	97
19) 1,1-Dichloroethane	6.222	63	716530	97.502	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	386135	98.545	ug/L	97
22) 2-Butanone	7.173	43	309103	237.029	ug/L	98
23) Bromochloromethane	7.520	128	151217	95.708	ug/L	95
25) Chloroform	7.679	83	666783	98.609	ug/L	91
27) 1,2-Dichloroethane	8.404	62	431737	100.568	ug/L	99
29) Cyclohexane	7.959	56	674882	92.230	ug/L	99
30) 1,1,1-Trichloroethane	7.880	97	597616	102.853	ug/L	99
31) Carbon tetrachloride	8.075	117	515130	101.579	ug/L	98
33) Benzene	8.325	78	1467611	93.446	ug/L	100
34) Trichloroethene	9.093	95	395505	96.188	ug/L	89
35) Methylcyclohexane	9.337	83	704158	93.929	ug/L	99
37) 1,2-Dichloropropane	9.368	63	399800	98.406	ug/L	98
38) Bromodichloromethane	9.642	83	475739	103.737	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	626313	106.340	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	597355	277.603	ug/L	99
42) Toluene	10.386	91	1574853	96.700	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	526121	112.937	ug/L	96

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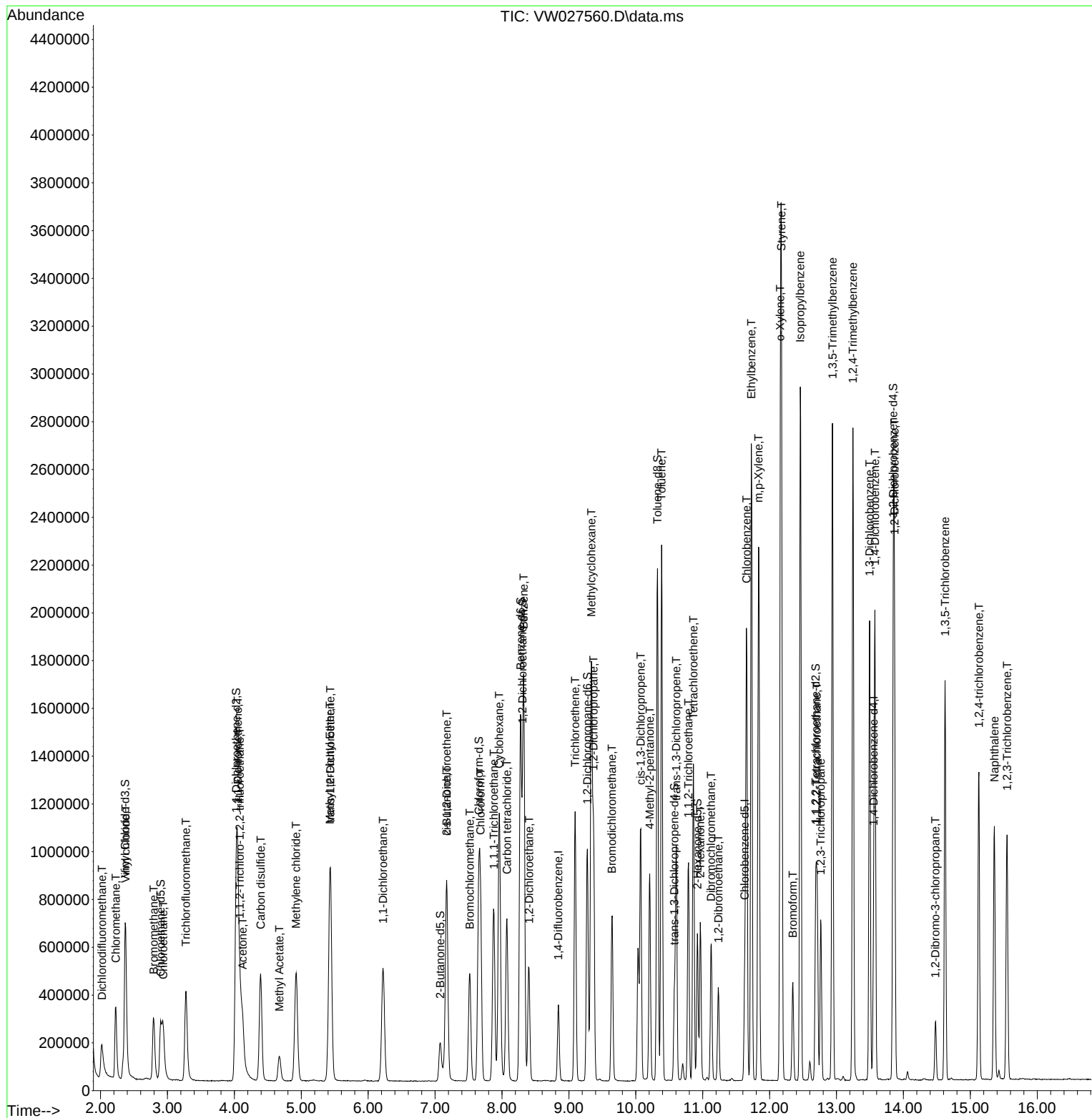
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	286460	110.580	ug/L	97
46) Tetrachloroethene	10.861	164	272259	92.494	ug/L	92
48) 2-Hexanone	10.965	43	427383	263.897	ug/L	98
49) Dibromochloromethane	11.123	129	296331	113.051	ug/L	99
50) 1,2-Dibromoethane	11.233	107	266371	112.049	ug/L	100
51) Chlorobenzene	11.654	112	962469	97.393	ug/L	98
52) Ethylbenzene	11.727	91	1850705	99.634	ug/L	95
53) m,p-Xylene	11.837	106	682969	100.330	ug/L	96
54) o-Xylene	12.160	106	632172	99.122	ug/L	98
55) Styrene	12.178	104	1125203	104.284	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	380654	126.190	ug/L	96
59) Bromoform	12.349	173	178186	118.623	ug/L	99
60) Isopropylbenzene	12.458	105	1873328	93.284	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	280547	117.540	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1439330	95.714	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	1415576	92.653	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	726026	92.459	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	708000	89.917	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	649094	94.419	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	66516	124.556	ug/L	87
69) 1,3,5-Trichlorobenzene	14.623	180	471881	92.583	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	383743	95.549	ug/L	96
71) Naphthalene	15.360	128	890017	122.004	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	340907	102.468	ug/L	98

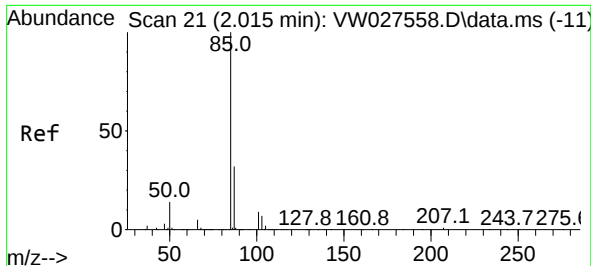
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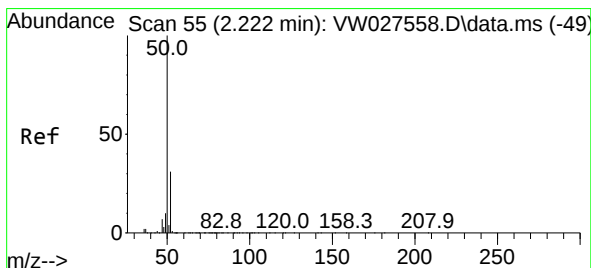
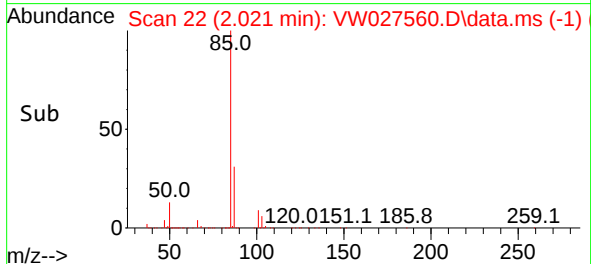
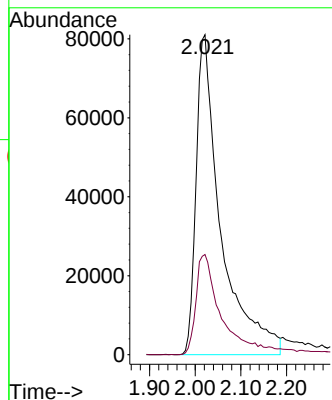
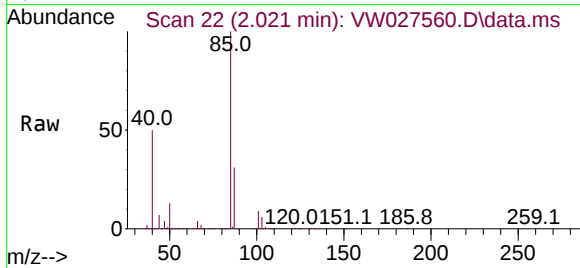




#2
 Dichlorodifluoromethane
 Concen: 99.928 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW027560.D
 Acq: 06 Dec 2023 11:11

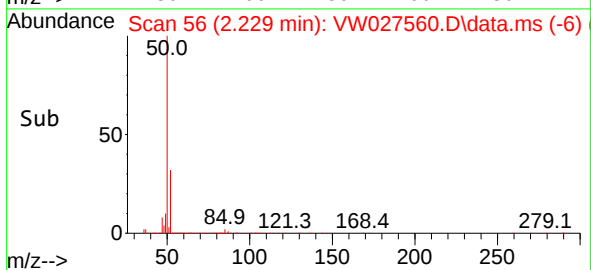
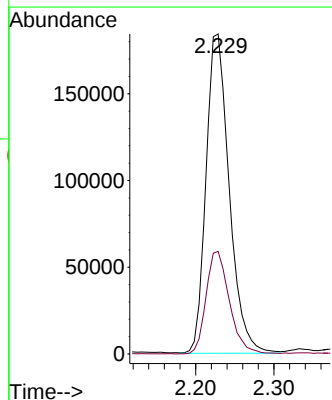
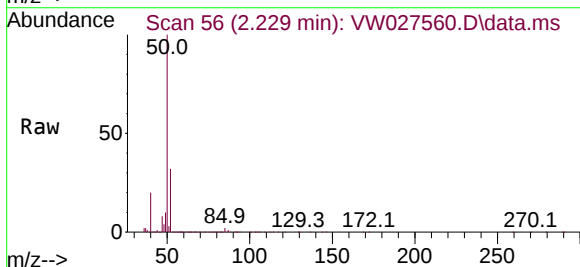
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 MSVOA_W
 ClientSampleId :
 VSTD100476

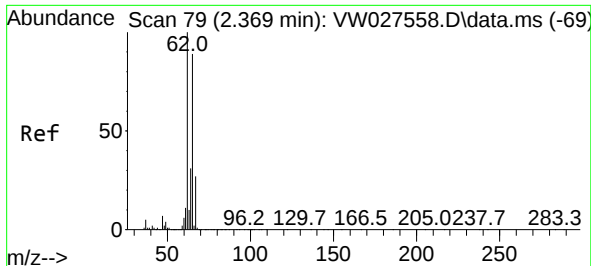
Tgt Ion: 85 Resp: 304543
 Ion Ratio Lower Upper
 85 100
 87 29.8 24.0 36.0



#3
 Chloromethane
 Concen: 96.103 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW027560.D
 Acq: 06 Dec 2023 11:11

Tgt Ion: 50 Resp: 379124
 Ion Ratio Lower Upper
 50 100
 52 32.1 21.8 40.6

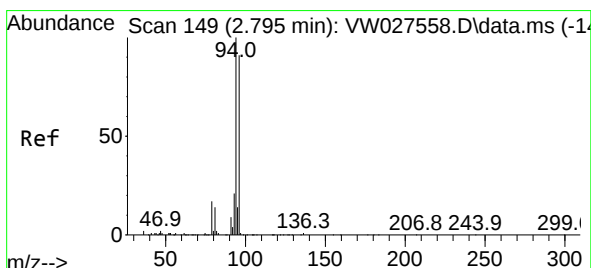
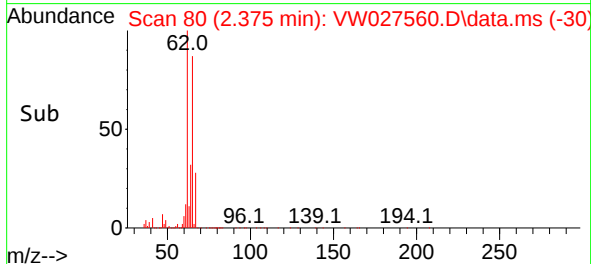
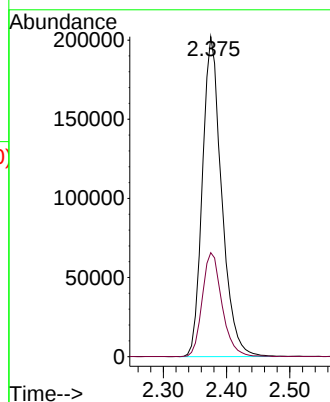
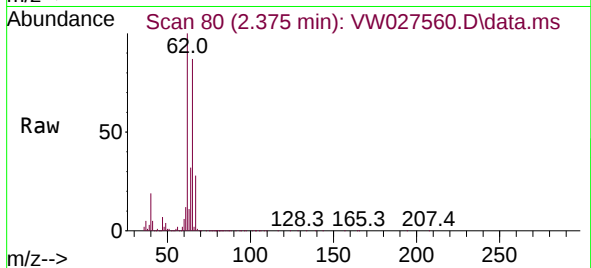




#5
 Vinyl chloride
 Concen: 93.869 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW027560.D
 Acq: 06 Dec 2023 11:11

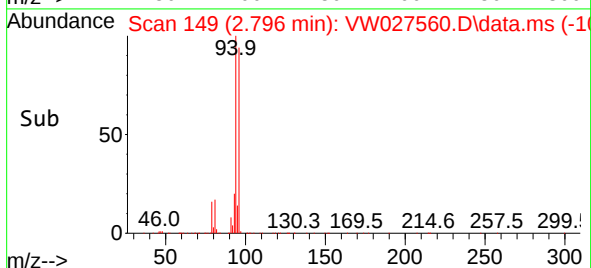
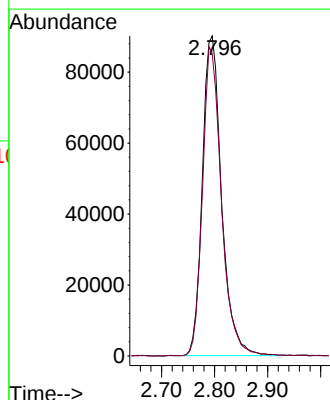
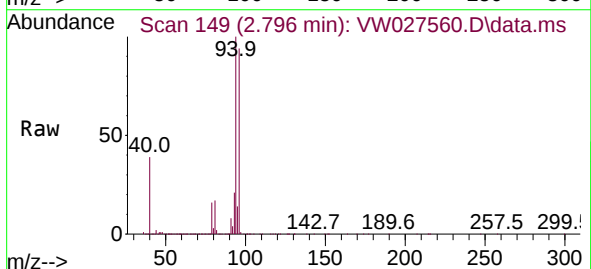
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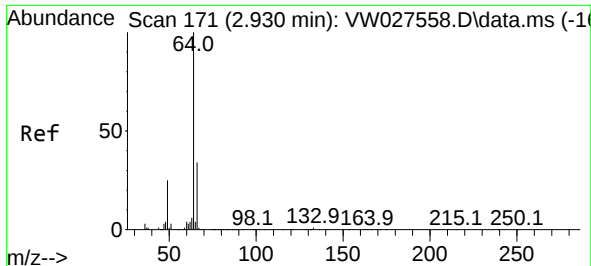
Tgt Ion: 62 Resp: 428240
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.2 41.2



#6
 Bromomethane
 Concen: 92.800 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW027560.D
 Acq: 06 Dec 2023 11:11

Tgt Ion: 94 Resp: 227201
 Ion Ratio Lower Upper
 94 100
 96 94.4 63.3 117.7

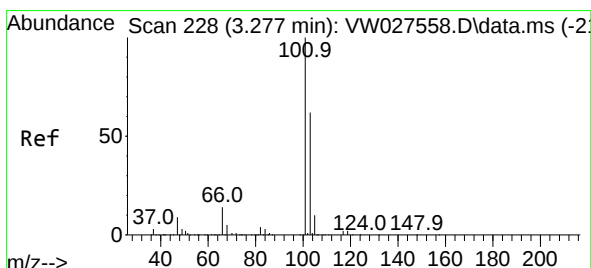
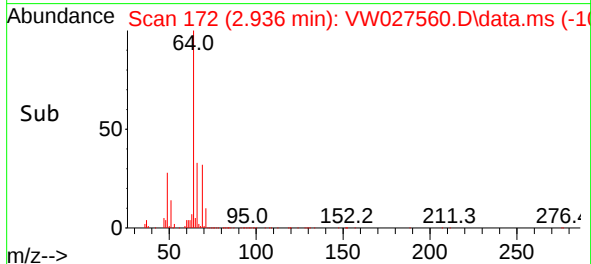
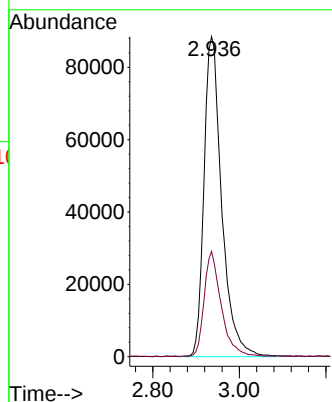
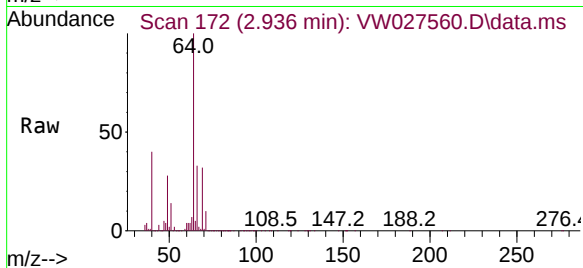




#8
Chloroethane
Concen: 97.660 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

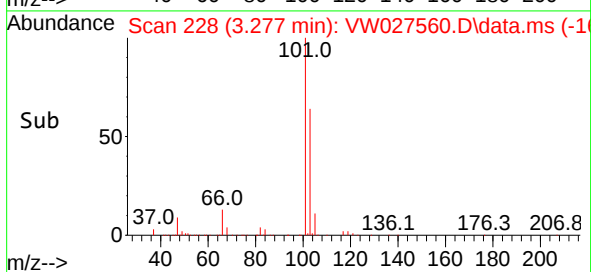
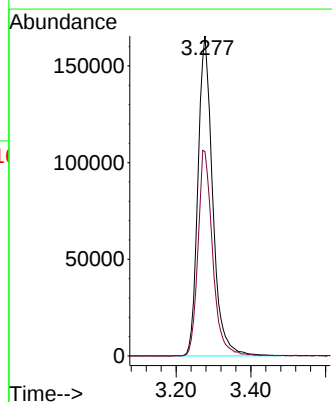
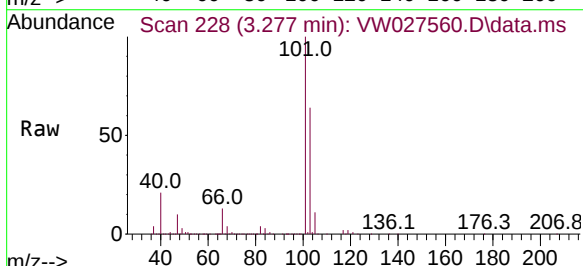
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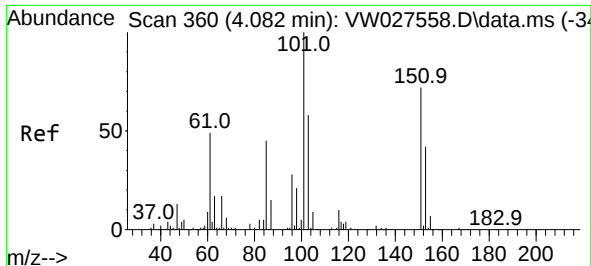
Tgt Ion: 64 Resp: 251417
Ion Ratio Lower Upper
64 100
66 32.9 24.1 44.7



#9
Trichlorofluoromethane
Concen: 120.221 ug/L
RT: 3.277 min Scan# 228
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 101 Resp: 451681
Ion Ratio Lower Upper
101 100
103 63.3 52.0 78.0

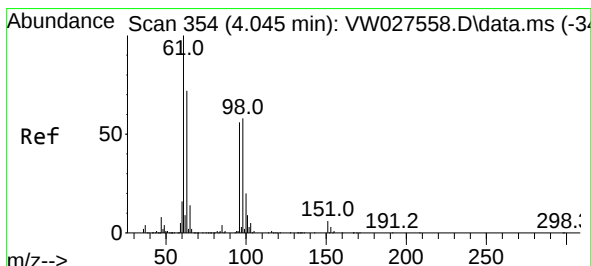
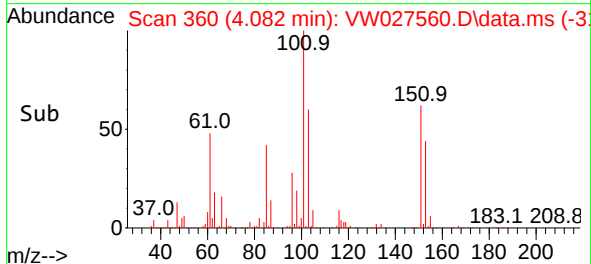
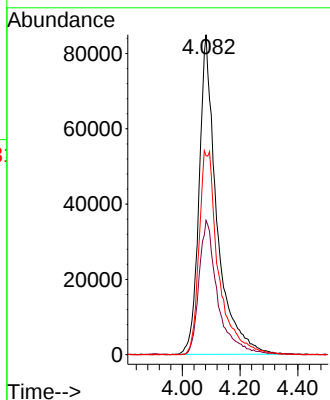
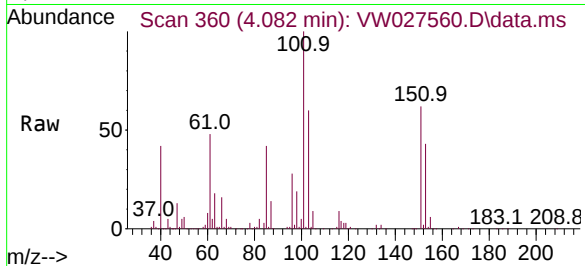




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 99.025 ug/L
 RT: 4.082 min Scan# 360
 Delta R.T. 0.000 min
 Lab File: VW027560.D
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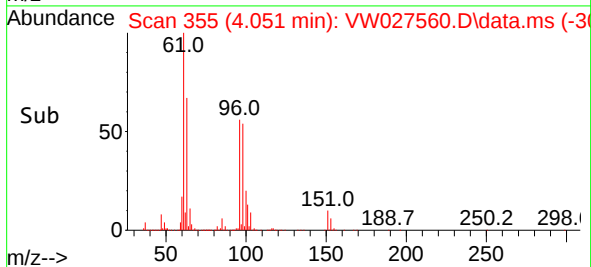
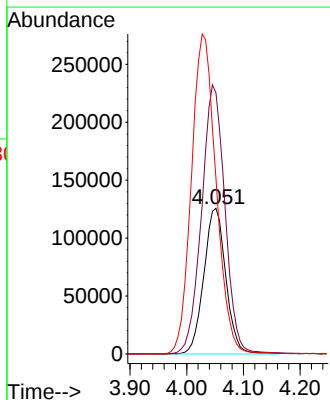
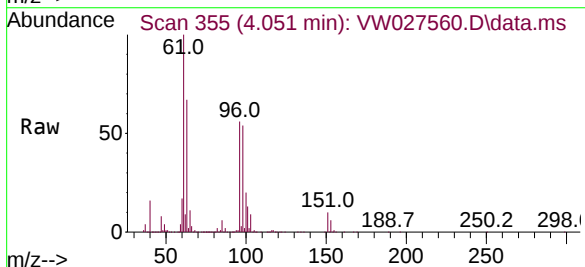
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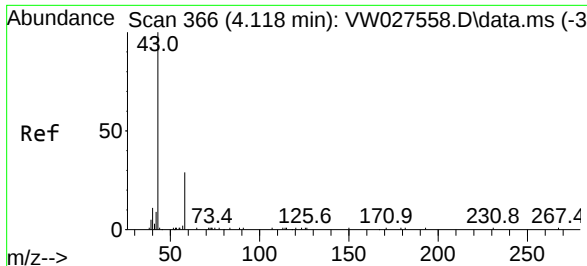
Tgt Ion:101 Resp: 363115
 Ion Ratio Lower Upper
 101 100
 85 43.5 33.9 50.9
 151 32.7 54.6 81.8#



#12
 1,1-Dichloroethene
 Concen: 96.191 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW027560.D
 Acq: 06 Dec 2023 11:11

Tgt Ion: 96 Resp: 338676
 Ion Ratio Lower Upper
 96 100
 61 179.4 127.8 237.4
 63 120.5 104.9 194.7

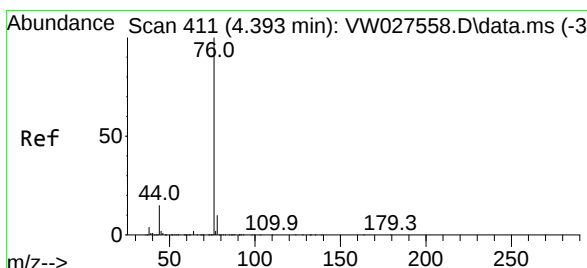
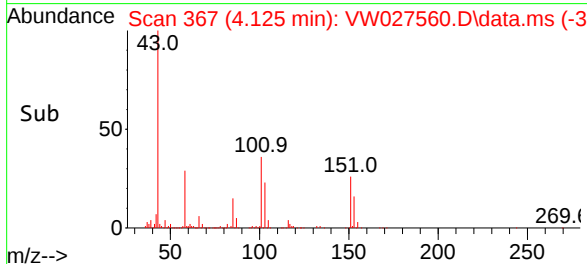
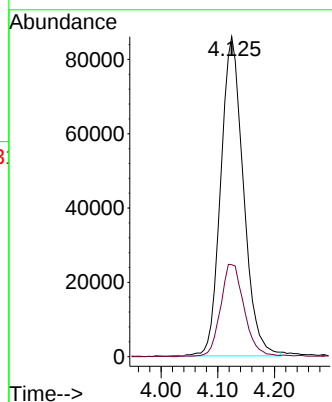
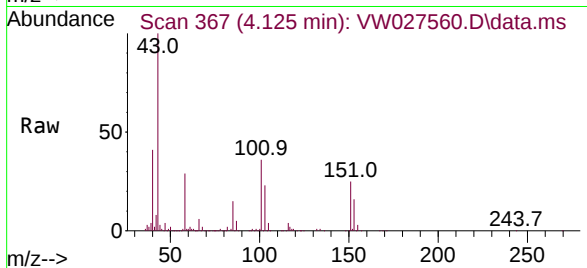




#13
Acetone
Concen: 233.619 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

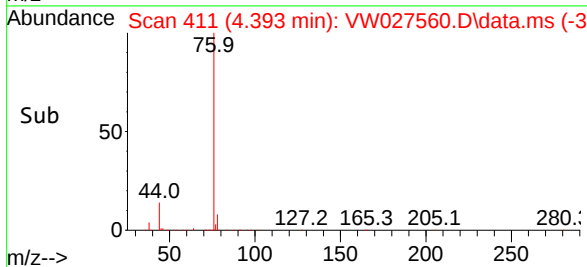
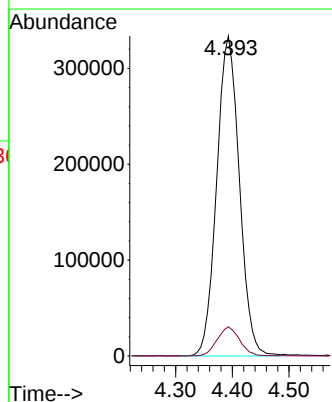
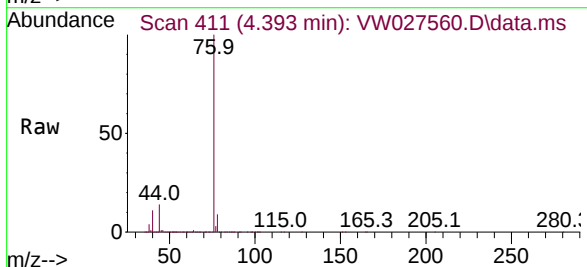
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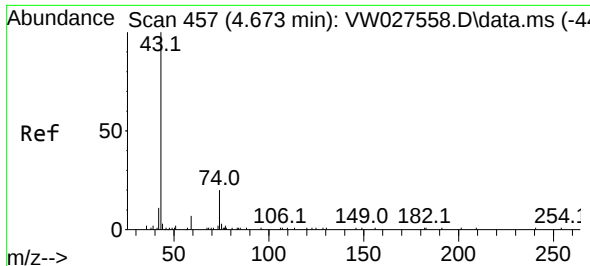
Tgt Ion: 43 Resp: 238136
Ion Ratio Lower Upper
43 100
58 30.1 0.0 60.0



#14
Carbon disulfide
Concen: 79.387 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 925887
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6

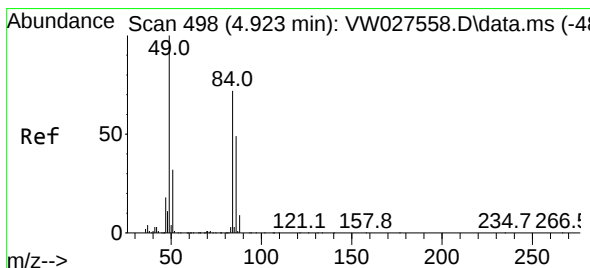
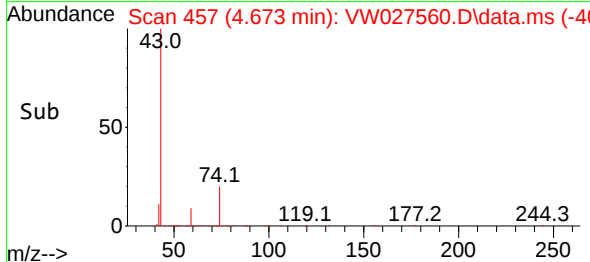
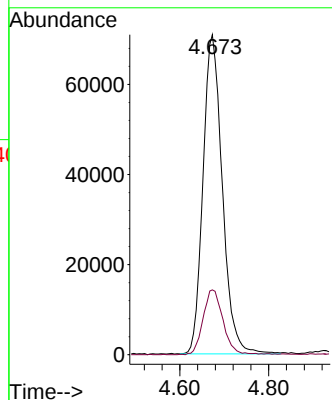
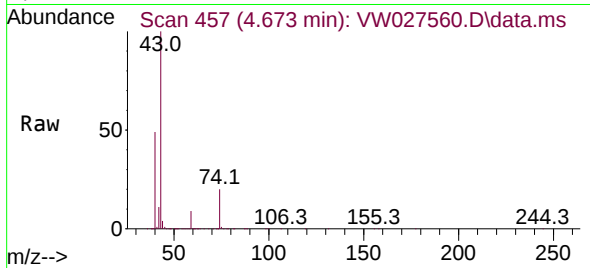




#15
Methyl Acetate
Concen: 132.851 ug/L
RT: 4.673 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

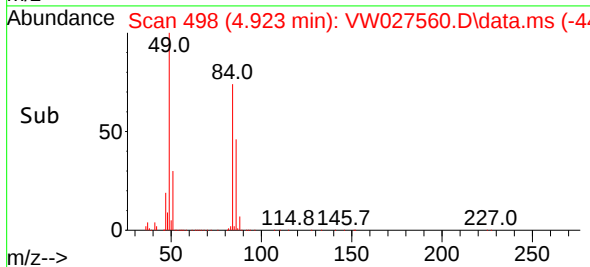
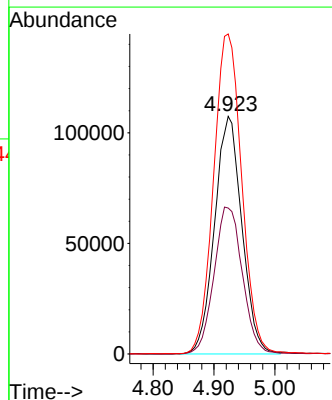
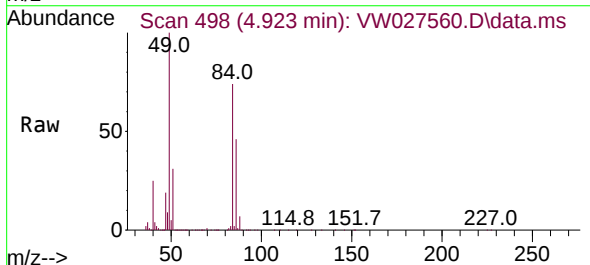
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

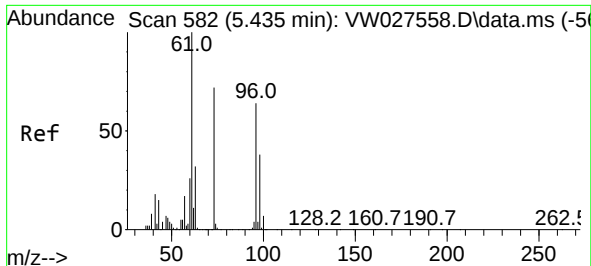
Tgt Ion: 43 Resp: 214616
Ion Ratio Lower Upper
43 100
74 20.8 16.8 25.2



#16
Methylene chloride
Concen: 80.199 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 84 Resp: 335079
Ion Ratio Lower Upper
84 100
86 61.4 47.7 88.7
49 134.6 97.4 181.0

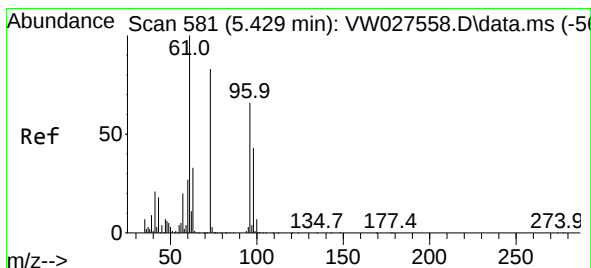
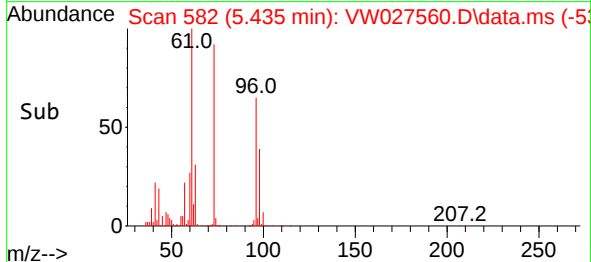
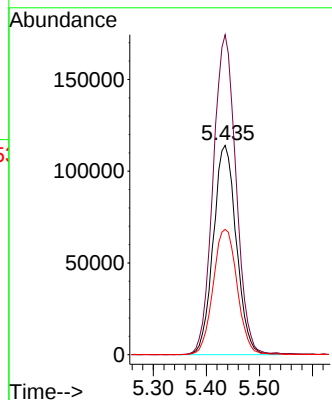
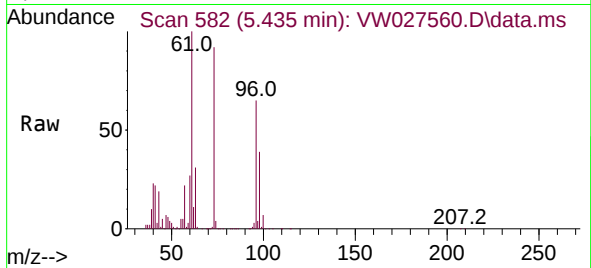




#17
trans-1,2-Dichloroethene
Concen: 93.504 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

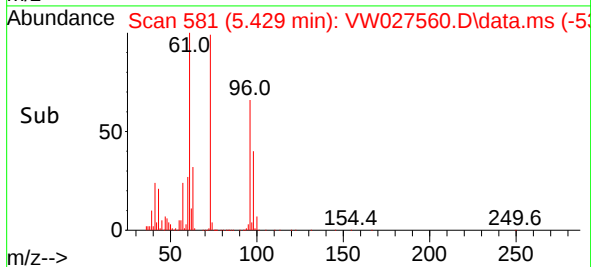
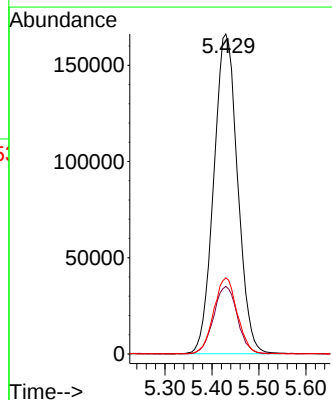
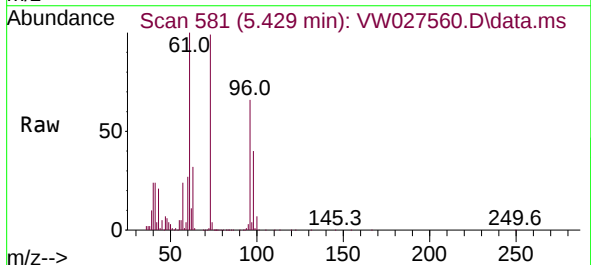
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

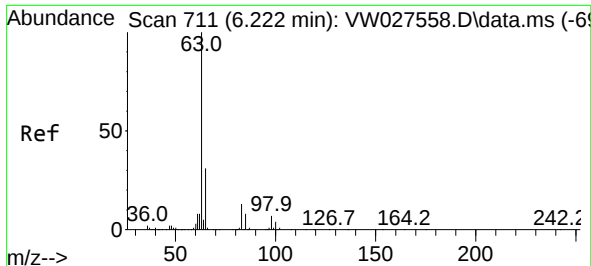
Tgt Ion: 96 Resp: 344459
Ion Ratio Lower Upper
96 100
61 152.9 109.6 203.6
98 59.9 41.9 77.7



#18
Methyl tert-butyl Ether
Concen: 109.224 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 73 Resp: 586038
Ion Ratio Lower Upper
73 100
43 21.0 17.8 26.6
57 23.5 19.9 29.9





#19

1,1-Dichloroethane

Concen: 97.502 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD100476

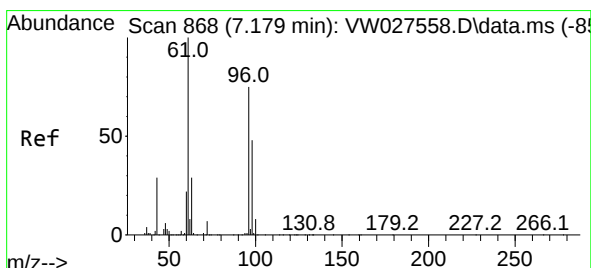
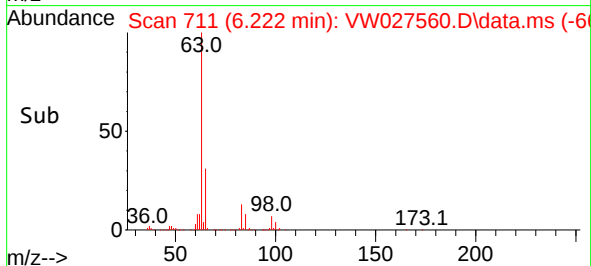
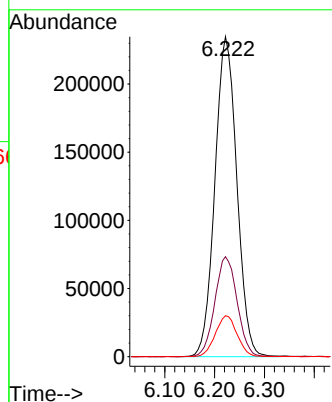
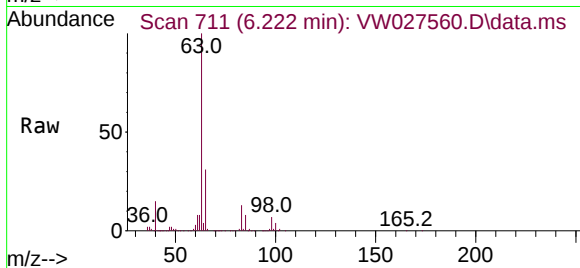
Tgt Ion: 63 Resp: 716530

Ion Ratio Lower Upper

63 100

65 31.3 22.0 40.8

83 12.8 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 98.545 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.006 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

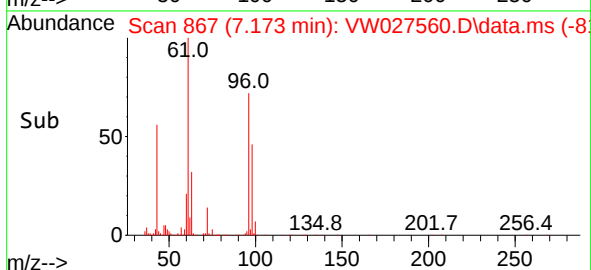
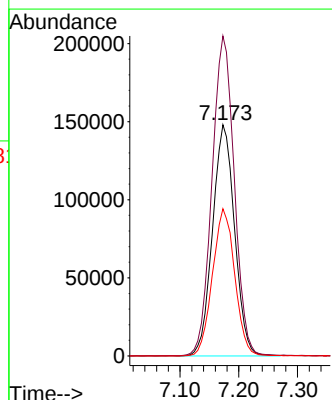
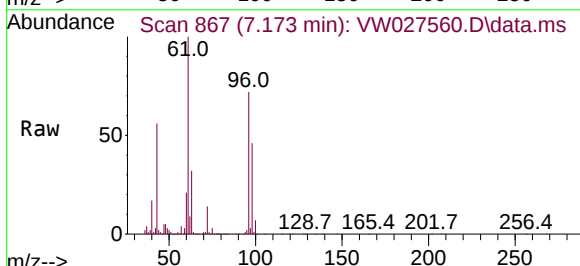
Tgt Ion: 96 Resp: 386135

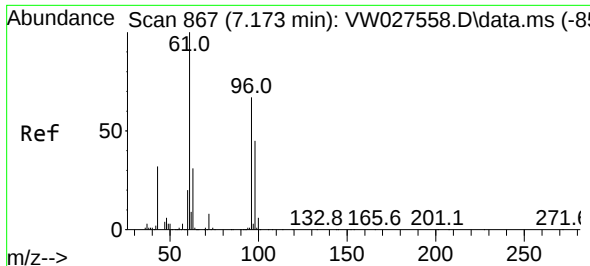
Ion Ratio Lower Upper

96 100

61 138.5 94.0 174.6

98 63.7 45.1 83.7

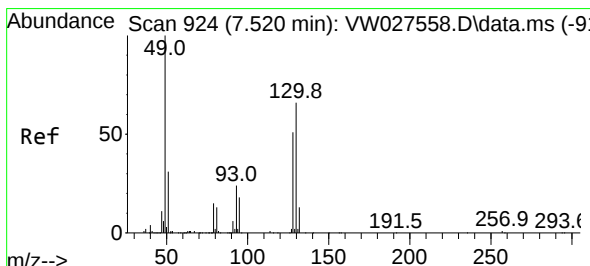
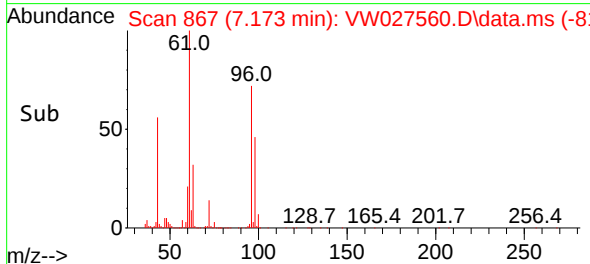
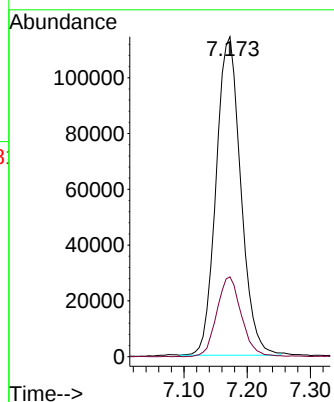
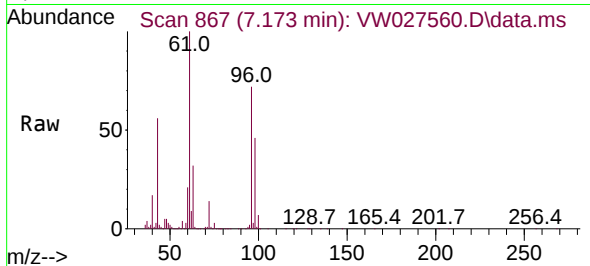




#22
2-Butanone
Concen: 237.029 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

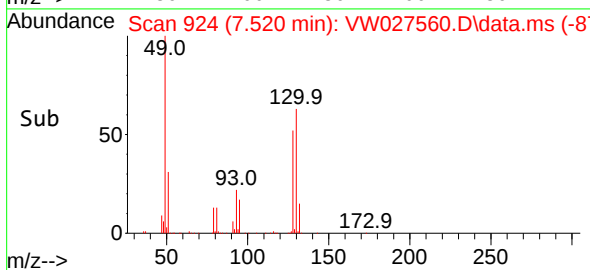
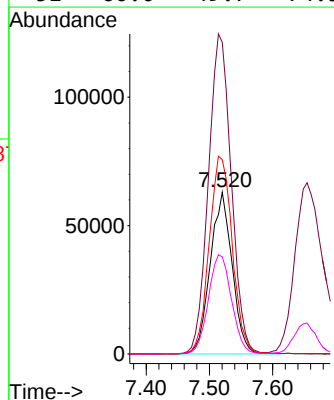
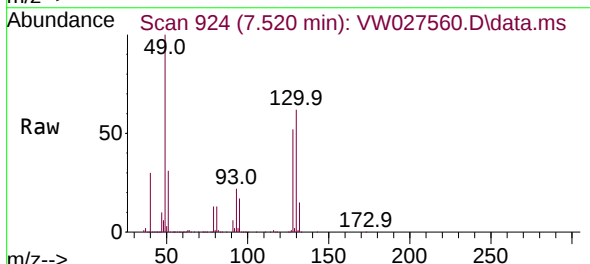
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

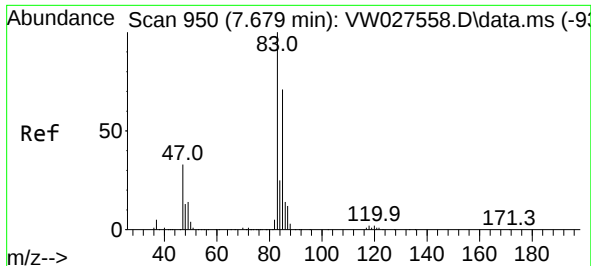
Tgt Ion: 43 Resp: 309103
Ion Ratio Lower Upper
43 100
72 25.0 11.9 35.9



#23
Bromochloromethane
Concen: 95.708 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 128 Resp: 151217
Ion Ratio Lower Upper
128 100
49 192.6 137.8 256.0
130 120.1 91.2 169.4
51 60.0 49.7 74.5

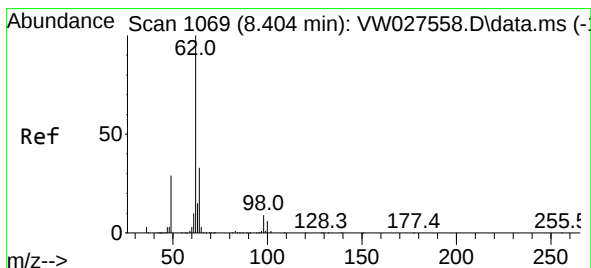
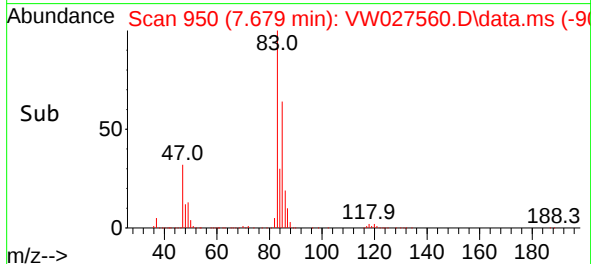
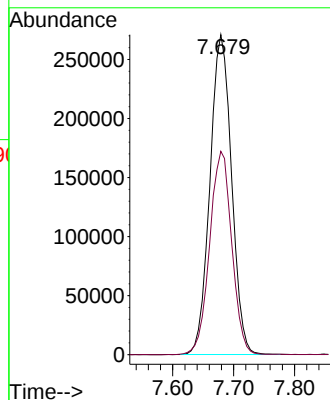
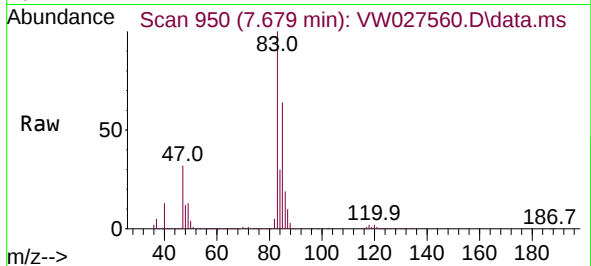




#25
Chloroform
Concen: 98.609 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

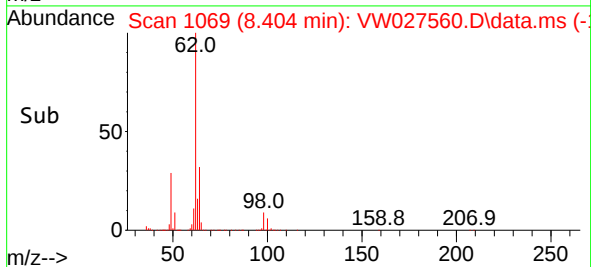
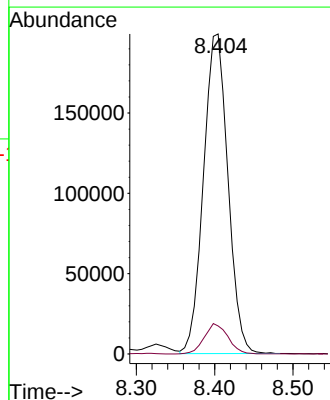
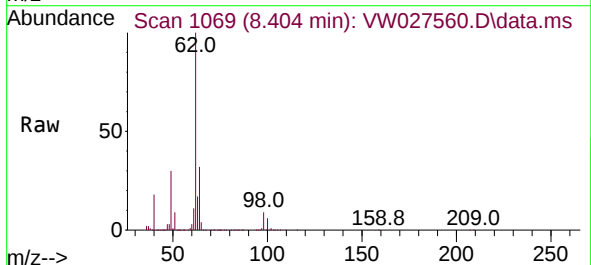
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

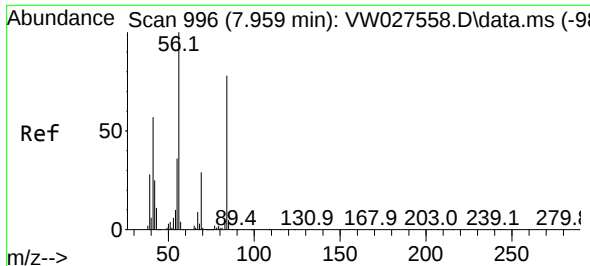
Tgt Ion: 83 Resp: 666783
Ion Ratio Lower Upper
83 100
85 63.6 49.8 92.6



#27
1,2-Dichloroethane
Concen: 100.568 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 62 Resp: 431737
Ion Ratio Lower Upper
62 100
98 8.7 7.4 11.0

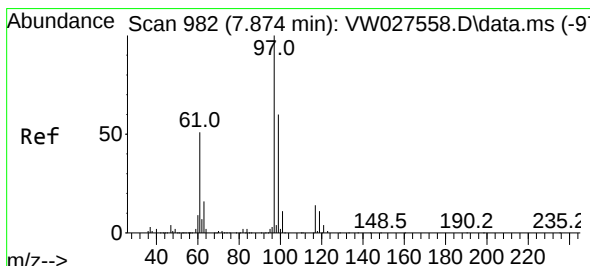
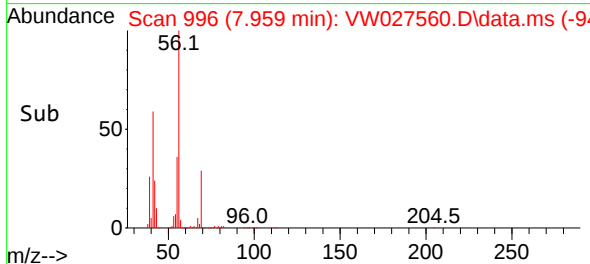
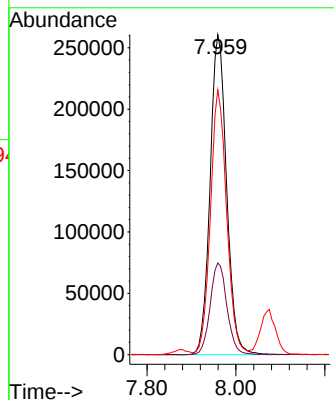
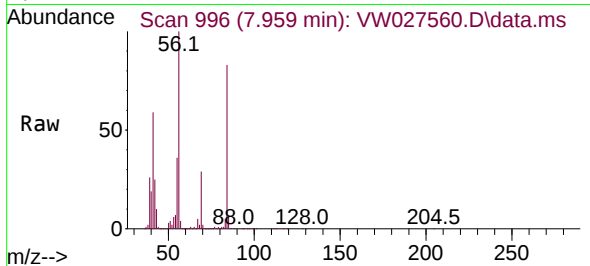




#29
Cyclohexane
Concen: 92.230 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

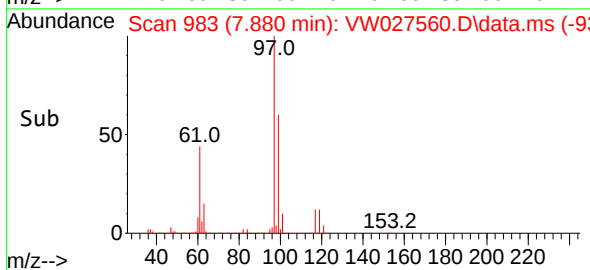
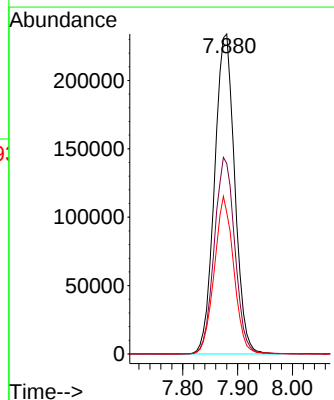
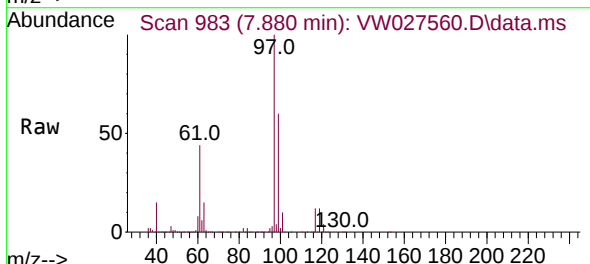
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

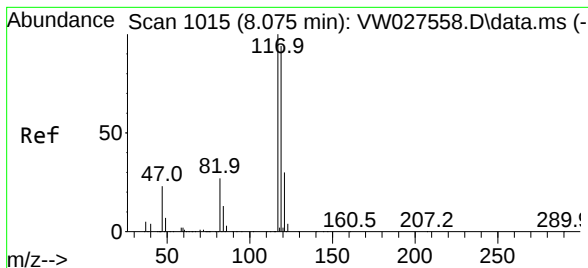
Tgt Ion: 56 Resp: 674882
Ion Ratio Lower Upper
56 100
69 29.0 24.1 36.1
84 80.7 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 102.853 ug/L
RT: 7.880 min Scan# 983
Delta R.T. 0.006 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 97 Resp: 597616
Ion Ratio Lower Upper
97 100
99 62.5 50.5 75.7
61 47.5 39.0 58.4

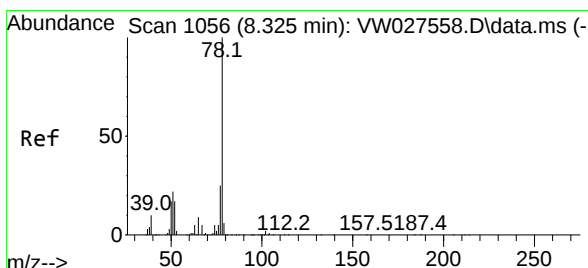
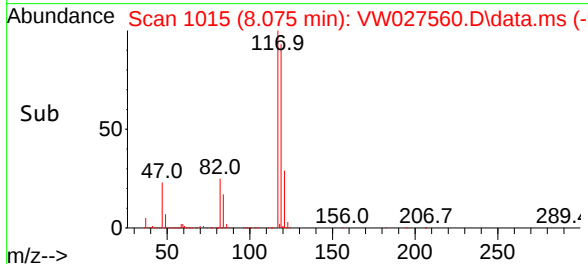
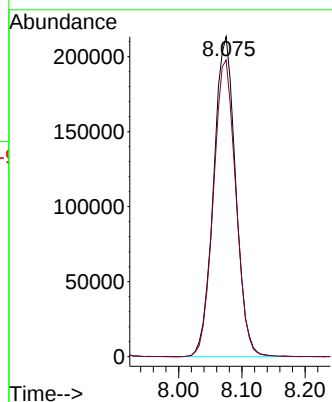
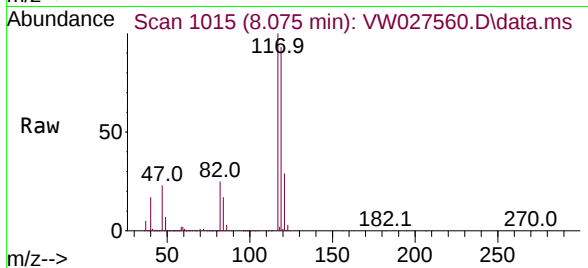




#31
Carbon tetrachloride
Concen: 101.579 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

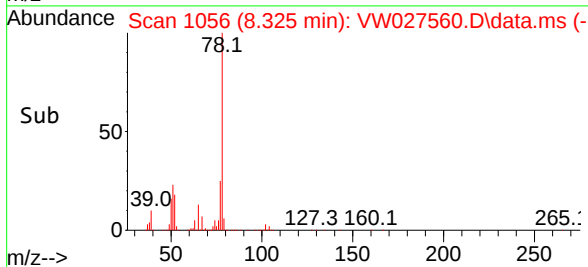
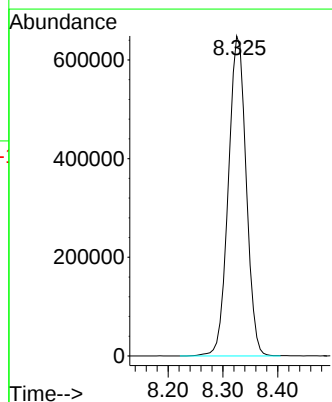
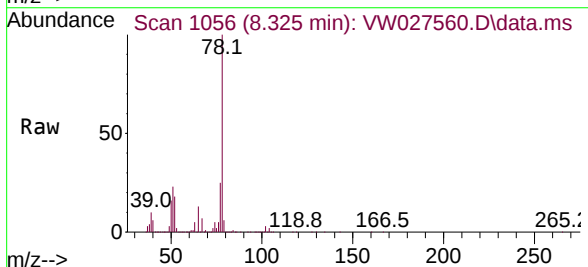
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

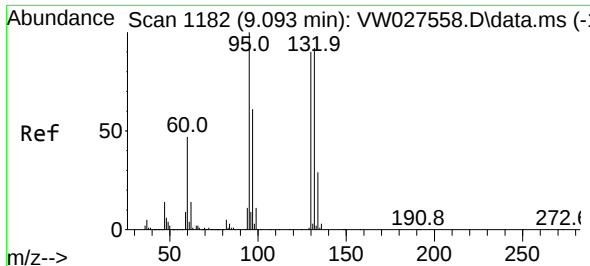
Tgt Ion:117 Resp: 515130
Ion Ratio Lower Upper
117 100
119 94.3 77.0 115.6



#33
Benzene
Concen: 93.446 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 78 Resp: 1467611



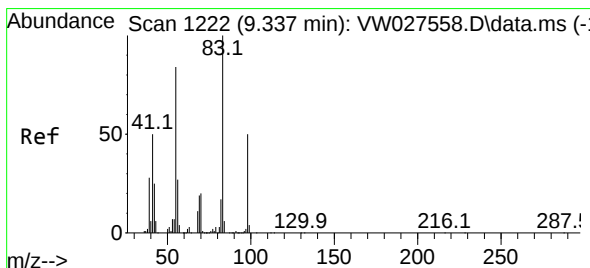
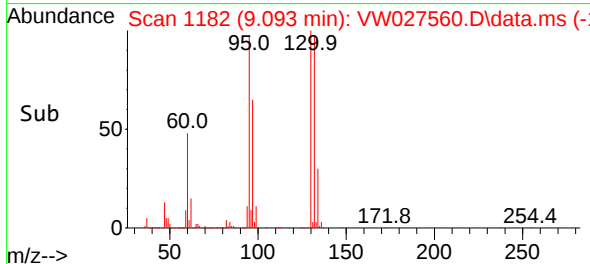
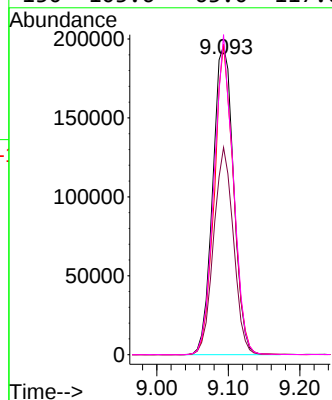
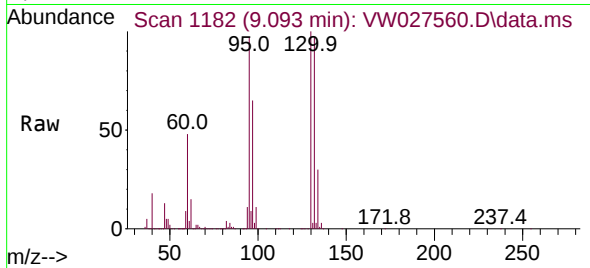


#34
Trichloroethene
Concen: 96.188 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

Tgt Ion: 95 Resp: 395505

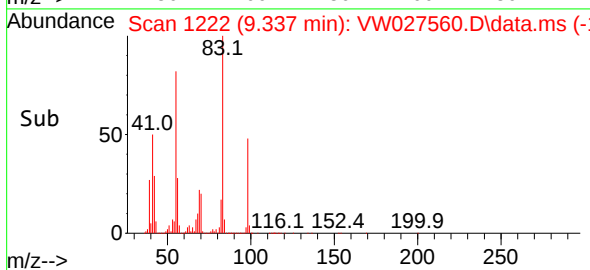
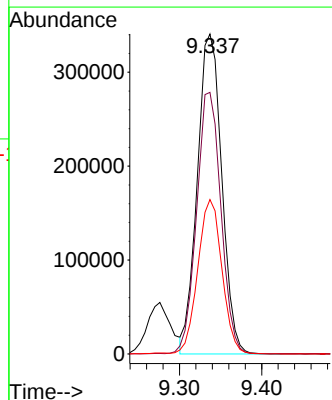
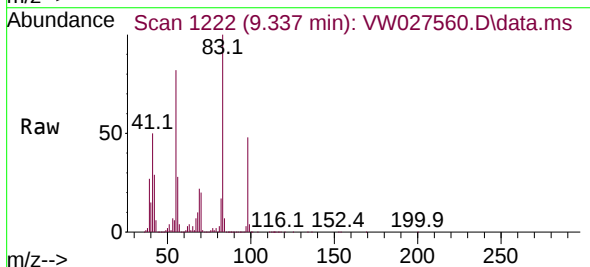
Ion	Ratio	Lower	Upper
95	100		
97	67.1	43.0	80.0
132	100.5	64.1	119.1
130	103.6	63.0	117.0

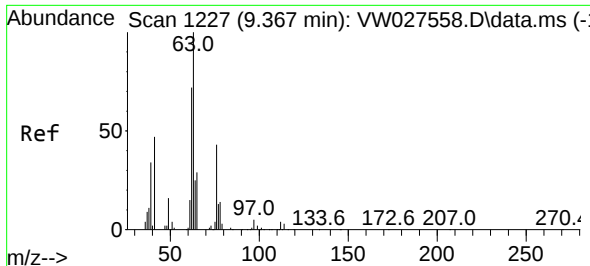


#35
Methylcyclohexane
Concen: 93.929 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 83 Resp: 704158

Ion	Ratio	Lower	Upper
83	100		
55	81.4	65.6	98.4
98	47.7	38.3	57.5





#37

1,2-Dichloropropane

Concen: 98.406 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

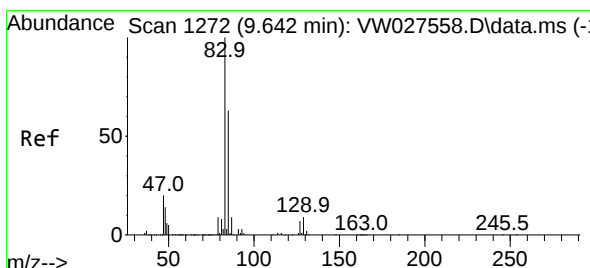
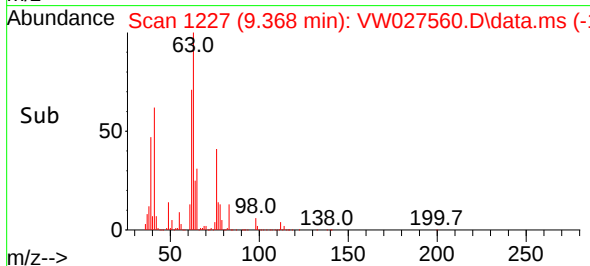
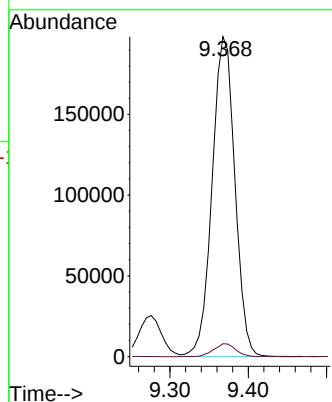
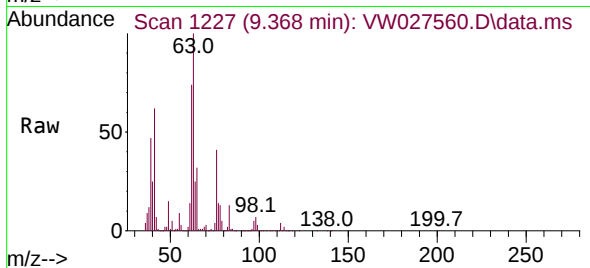
VSTD100476

Tgt Ion: 63 Resp: 399800

Ion Ratio Lower Upper

63 100

112 4.0 3.6 5.4



#38

Bromodichloromethane

Concen: 103.737 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

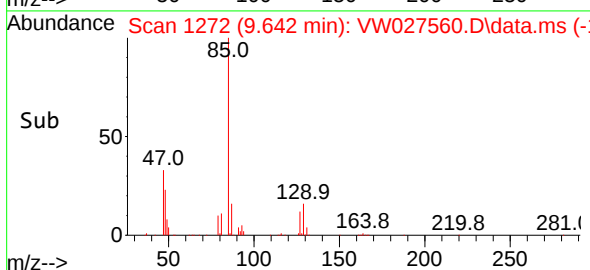
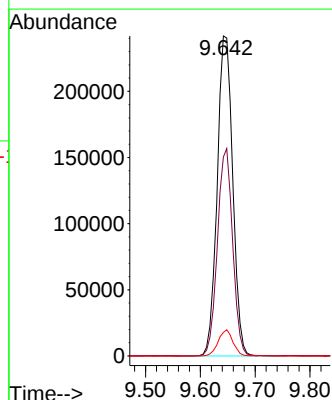
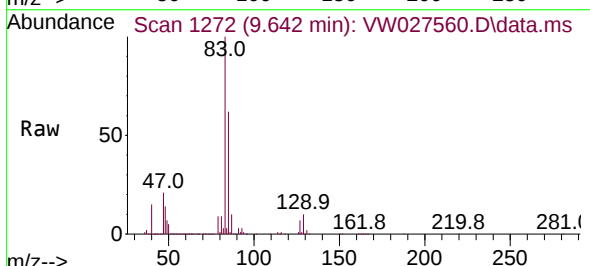
Tgt Ion: 83 Resp: 475739

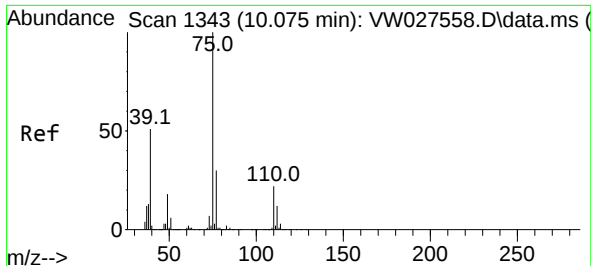
Ion Ratio Lower Upper

83 100

85 62.2 44.3 82.3

127 7.3 5.3 7.9

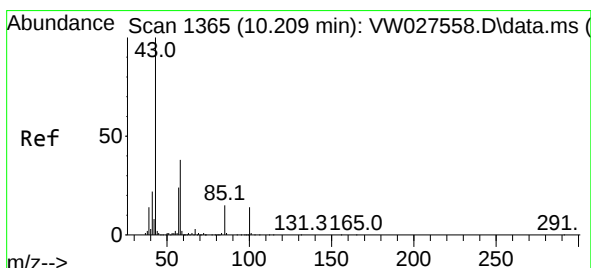
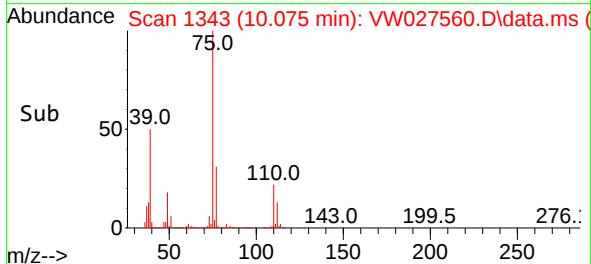
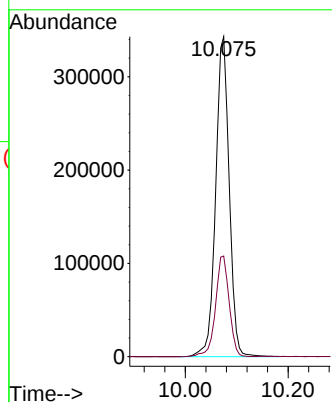
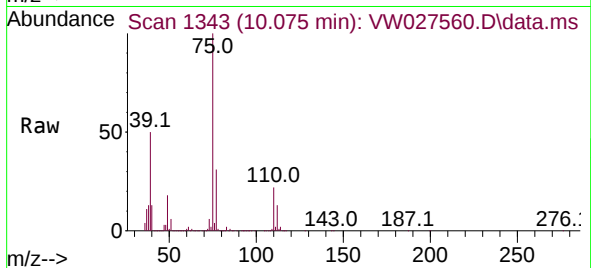




#39
 cis-1,3-Dichloropropene
 Concen: 106.340 ug/L
 RT: 10.075 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW027560.D
 Acq: 06 Dec 2023 11:11

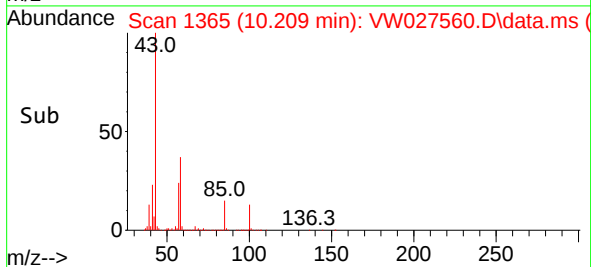
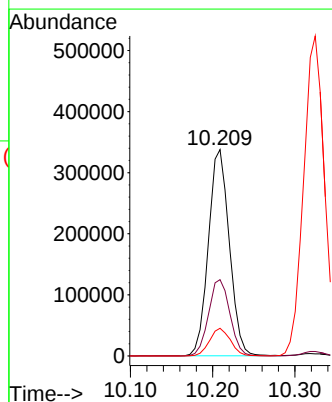
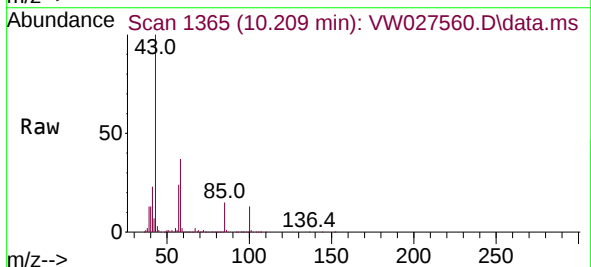
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100476

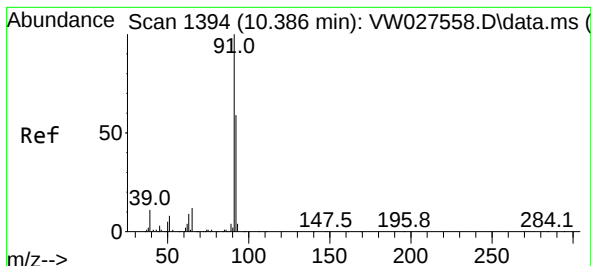
Tgt Ion: 75 Resp: 626313
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 277.603 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW027560.D
 Acq: 06 Dec 2023 11:11

Tgt Ion: 43 Resp: 597355
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.6 44.4
 100 13.4 11.1 16.7





#42

Toluene

Concen: 96.700 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

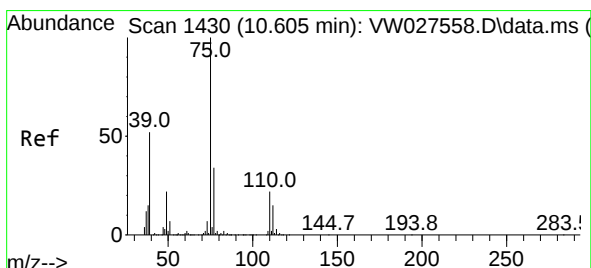
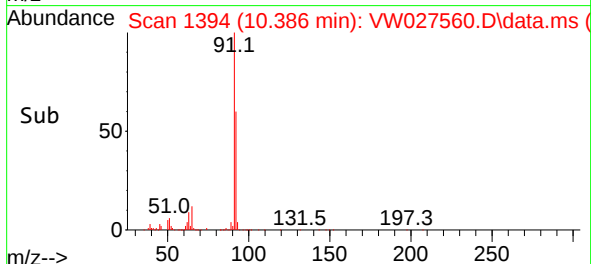
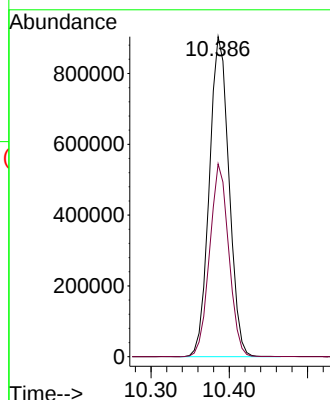
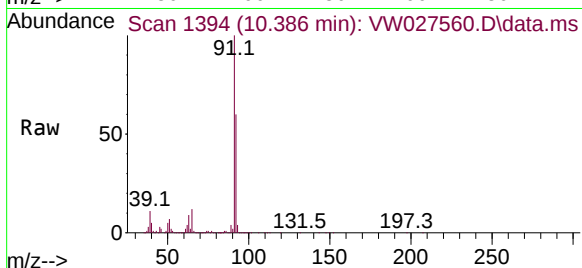
VSTD100476

Tgt Ion: 91 Resp: 1574853

Ion Ratio Lower Upper

91 100

92 60.3 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 112.937 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW027560.D

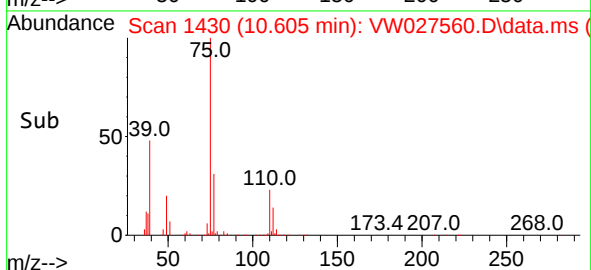
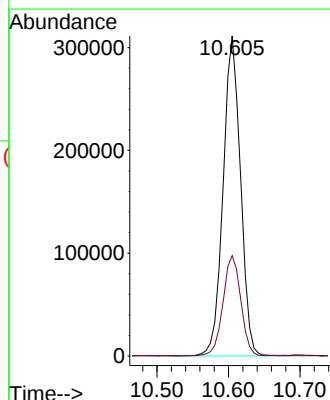
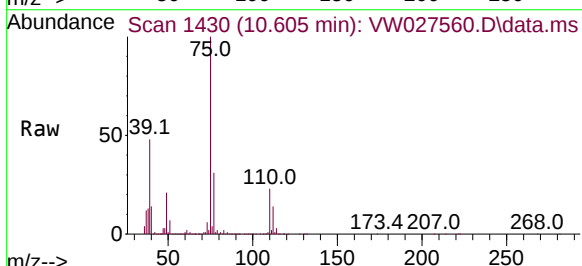
Acq: 06 Dec 2023 11:11

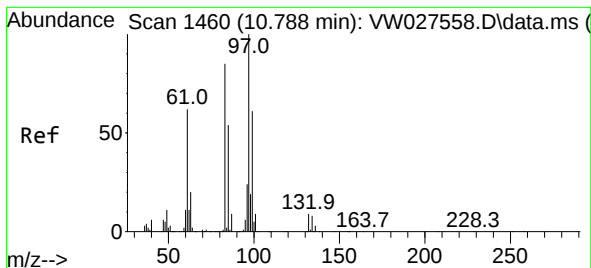
Tgt Ion: 75 Resp: 526121

Ion Ratio Lower Upper

75 100

77 31.3 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 110.580 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD100476

Tgt Ion: 97 Resp: 286460

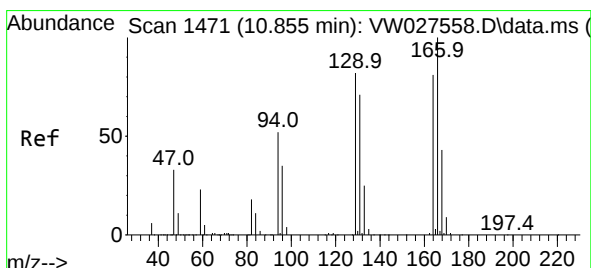
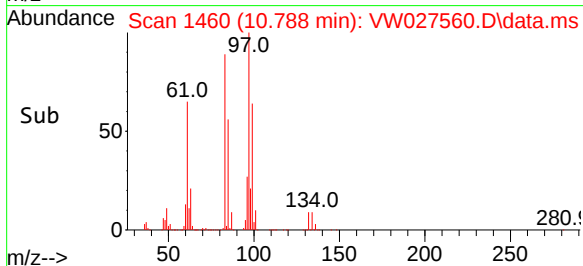
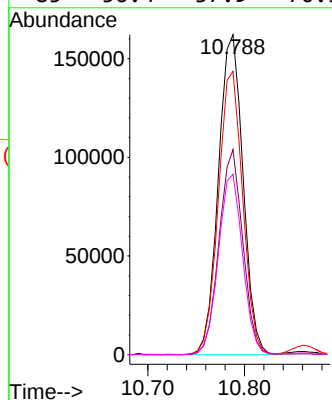
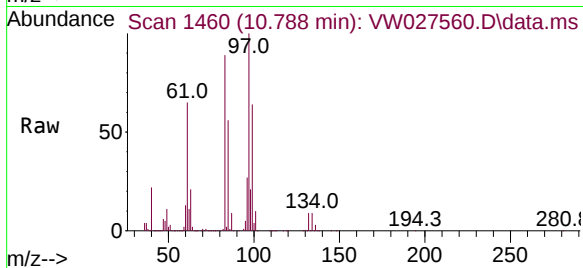
Ion Ratio Lower Upper

97 100

99 64.1 42.8 79.4

83 88.6 59.9 111.3

85 56.4 37.9 70.5



#46

Tetrachloroethene

Concen: 92.494 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Tgt Ion:164 Resp: 272259

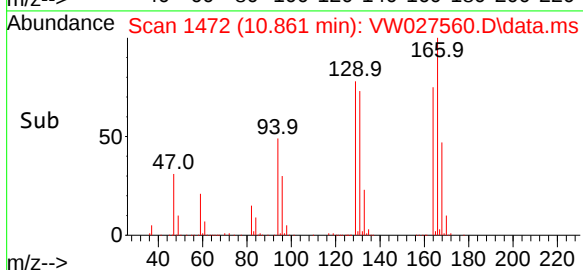
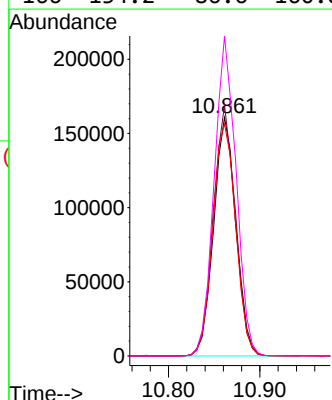
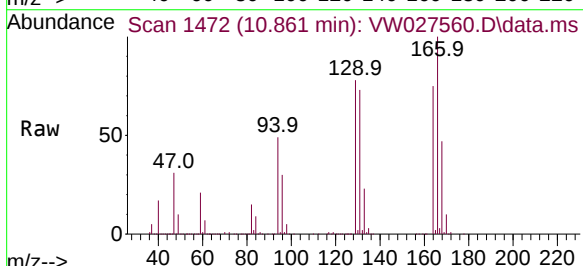
Ion Ratio Lower Upper

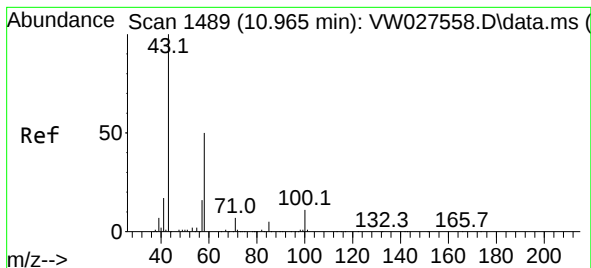
164 100

129 105.2 71.0 131.8

131 97.4 61.2 113.6

166 134.2 86.6 160.8





#48

2-Hexanone

Concen: 263.897 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD100476

Tgt Ion: 43 Resp: 427383

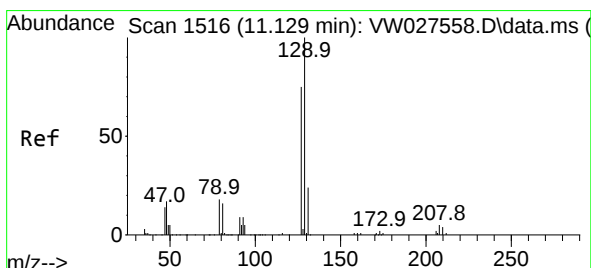
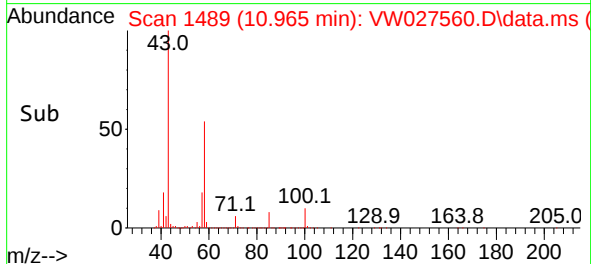
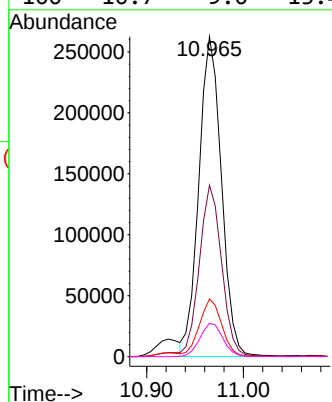
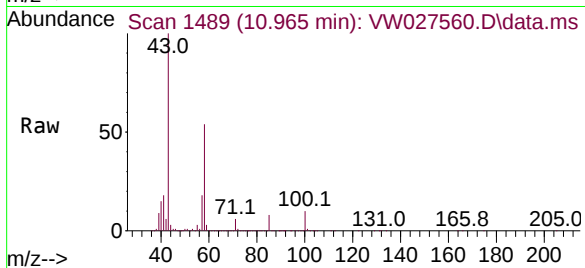
Ion Ratio Lower Upper

43 100

58 53.1 40.8 61.2

57 17.9 14.8 22.2

100 10.7 9.0 13.4



#49

Dibromochloromethane

Concen: 113.051 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW027560.D

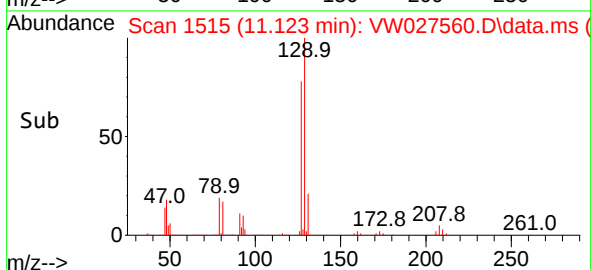
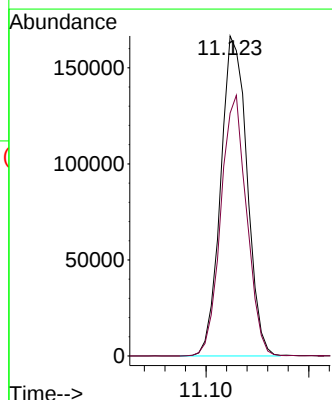
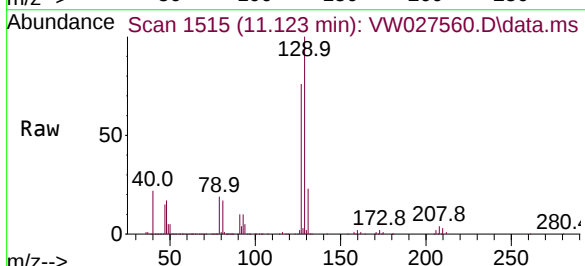
Acq: 06 Dec 2023 11:11

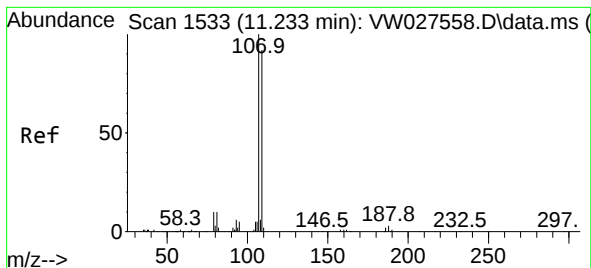
Tgt Ion:129 Resp: 296331

Ion Ratio Lower Upper

129 100

127 75.9 52.3 97.1

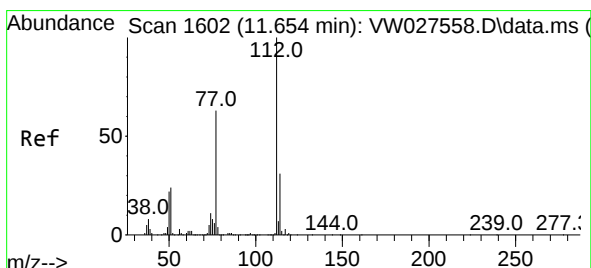
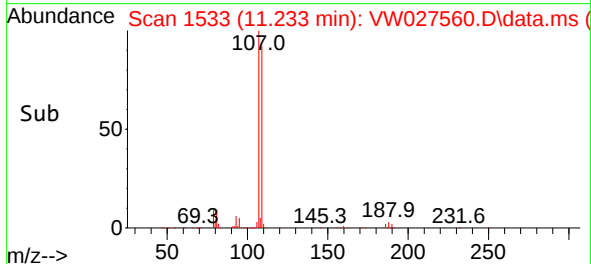
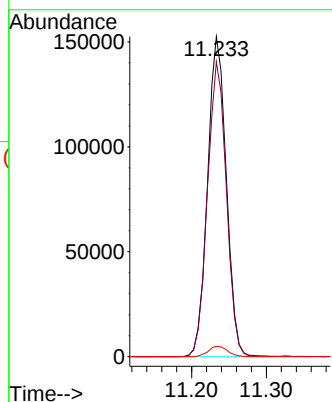
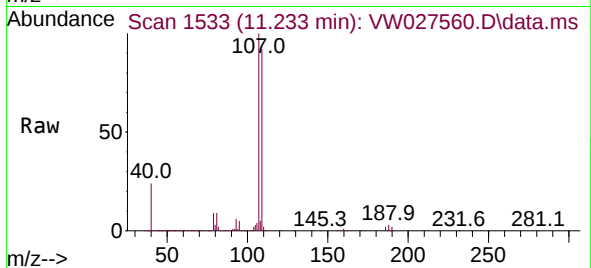




#50
1,2-Dibromoethane
Concen: 112.049 ug/L
RT: 11.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

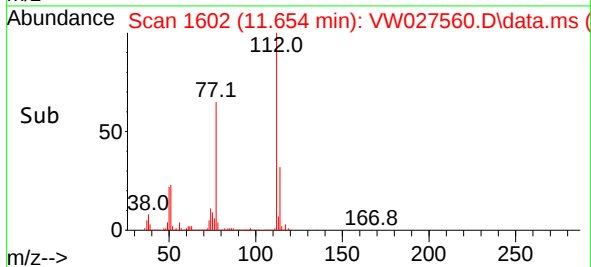
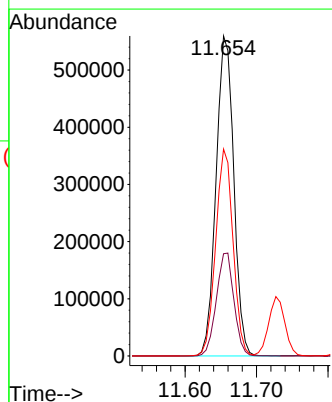
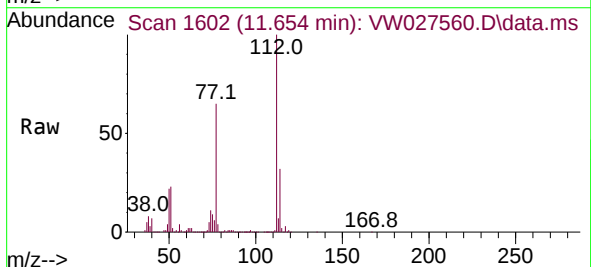
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

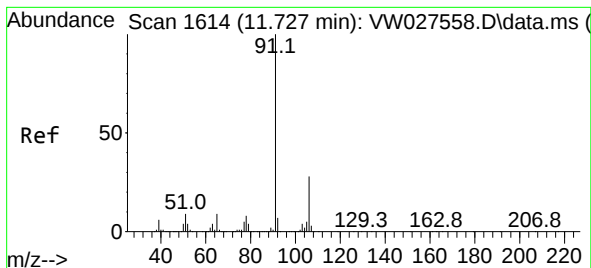
Tgt Ion:107 Resp: 266371
Ion Ratio Lower Upper
107 100
109 92.2 64.8 120.3
188 3.3 2.7 4.1



#51
Chlorobenzene
Concen: 97.393 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion:112 Resp: 962469
Ion Ratio Lower Upper
112 100
114 31.9 21.5 39.9
77 64.7 50.6 76.0

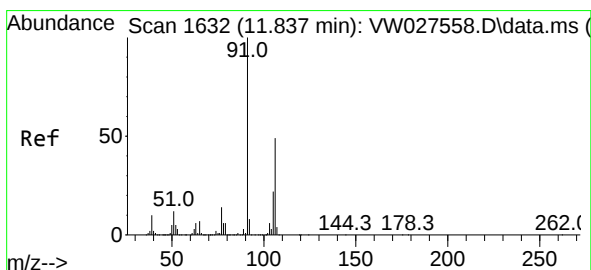
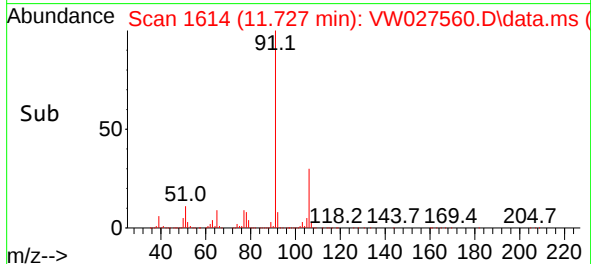
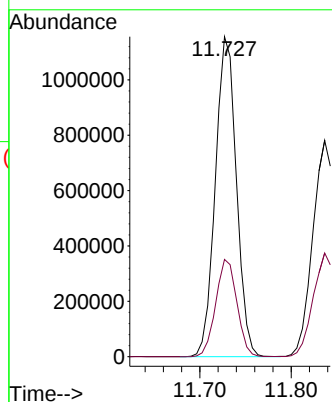
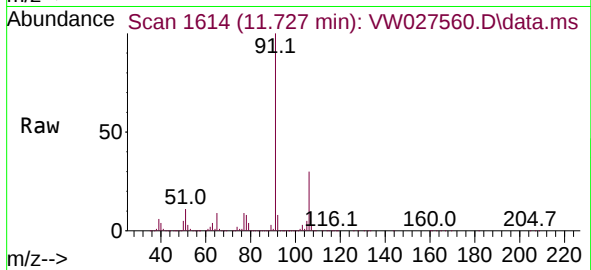




#52
Ethylbenzene
Concen: 99.634 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

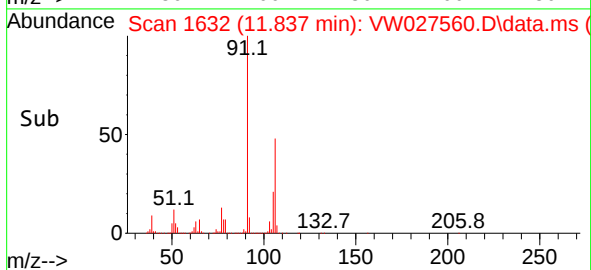
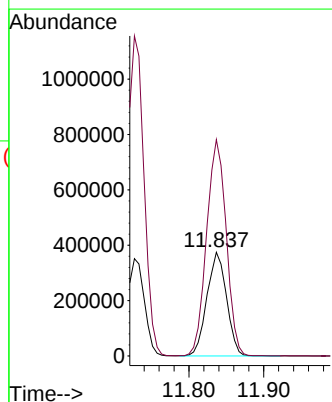
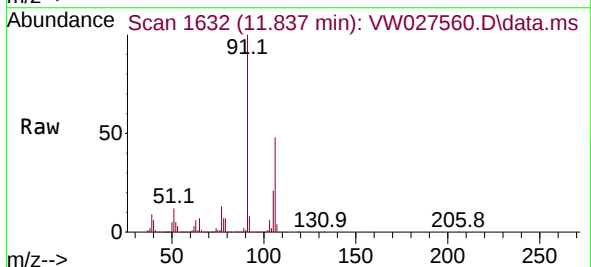
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

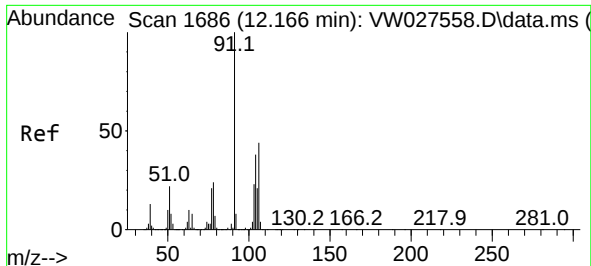
Tgt Ion: 91 Resp: 1850705
Ion Ratio Lower Upper
91 100
106 30.4 19.5 36.1



#53
m,p-Xylene
Concen: 100.330 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 106 Resp: 682969
Ion Ratio Lower Upper
106 100
91 208.6 142.1 263.9

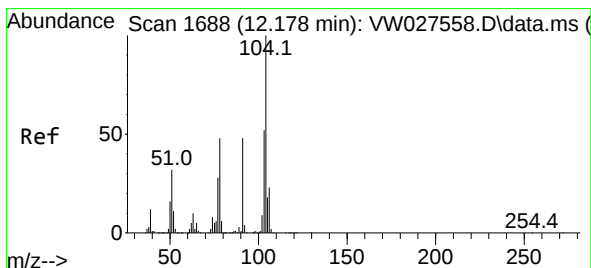
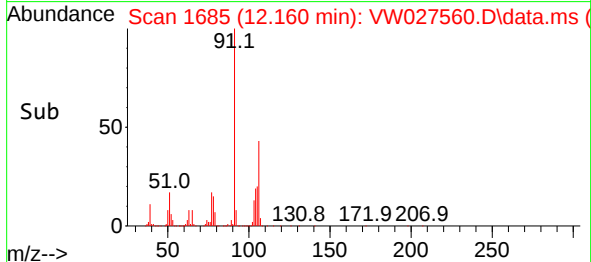
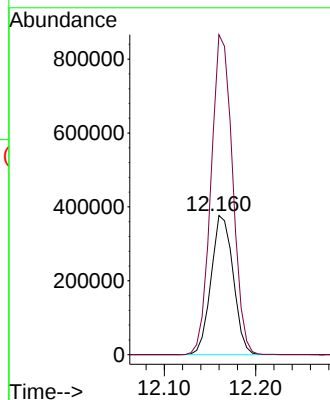
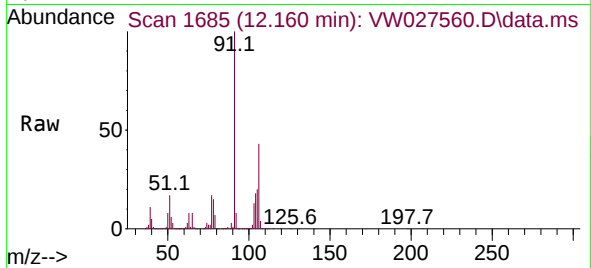




#54
o-Xylene
Concen: 99.122 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

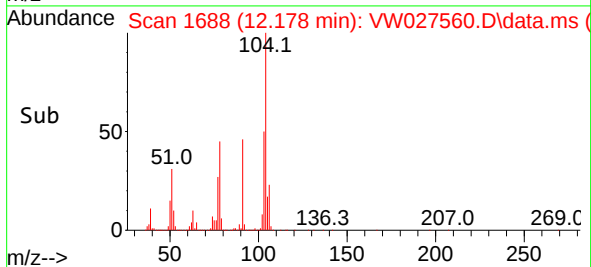
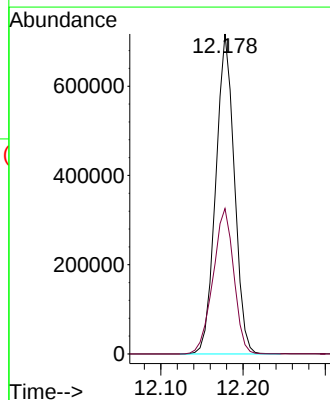
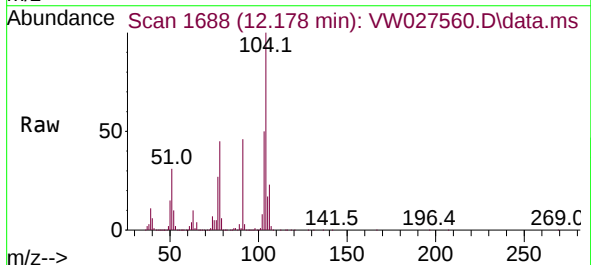
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

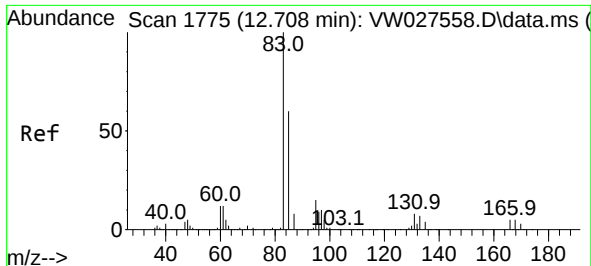
Tgt Ion:106 Resp: 632172
Ion Ratio Lower Upper
106 100
91 229.9 158.8 295.0



#55
Styrene
Concen: 104.284 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion:104 Resp: 1125203
Ion Ratio Lower Upper
104 100
78 45.5 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 126.190 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD100476

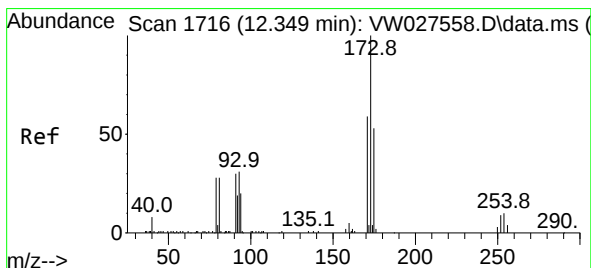
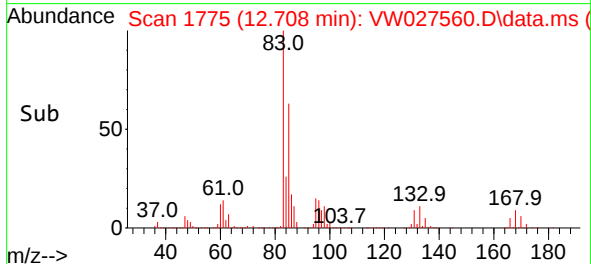
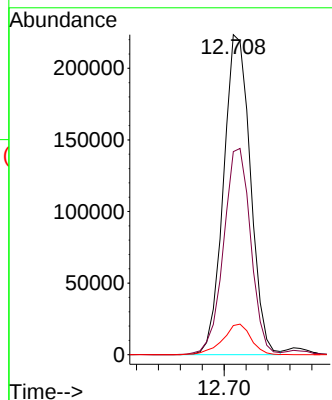
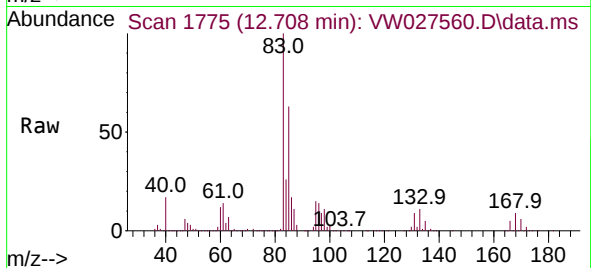
Tgt Ion: 83 Resp: 380654

Ion Ratio Lower Upper

83 100

85 63.5 41.9 77.7

131 9.1 7.0 10.6



#59

Bromoform

Concen: 118.623 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

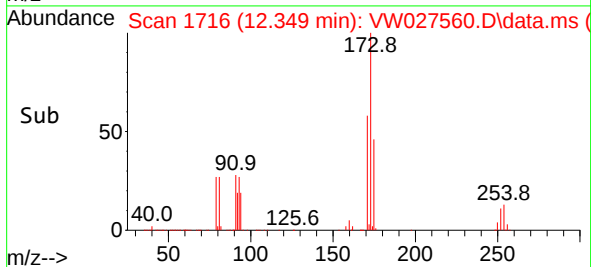
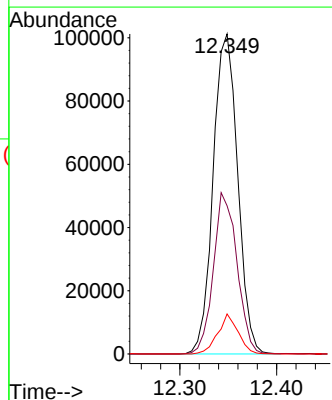
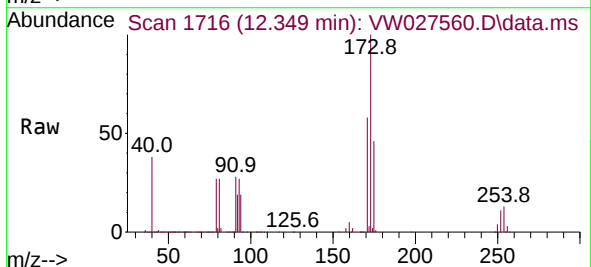
Tgt Ion: 173 Resp: 178186

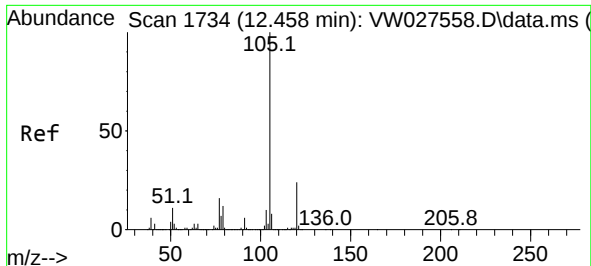
Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.0

254 10.4 7.8 11.8

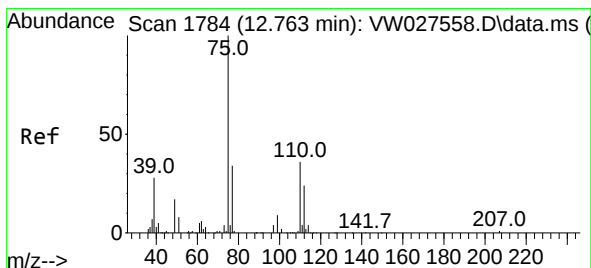
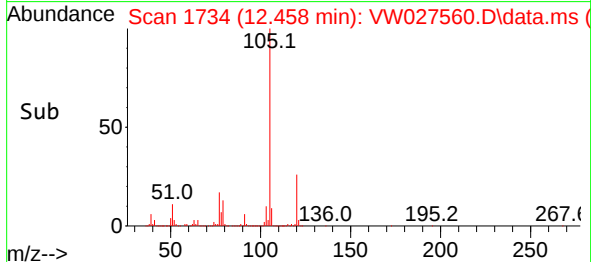
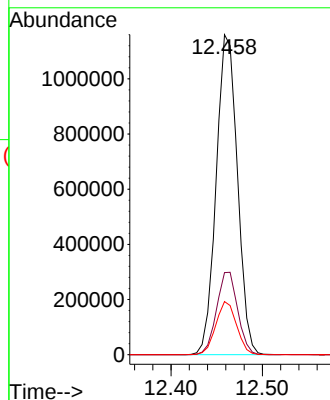
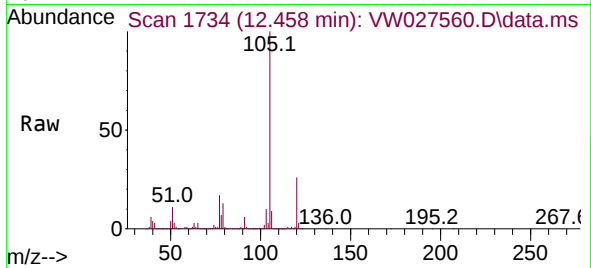




#60
Isopropylbenzene
Concen: 93.284 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

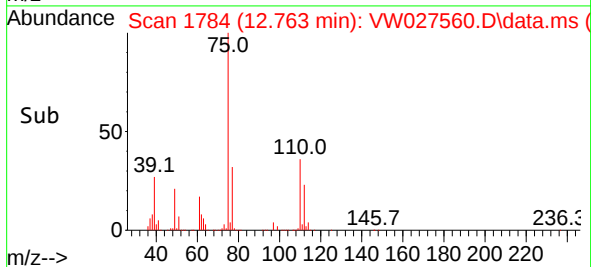
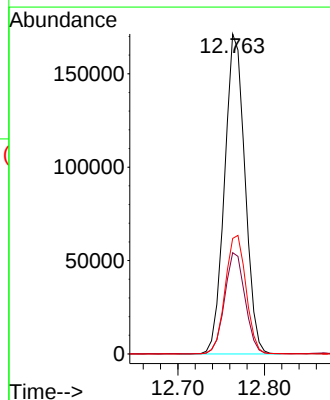
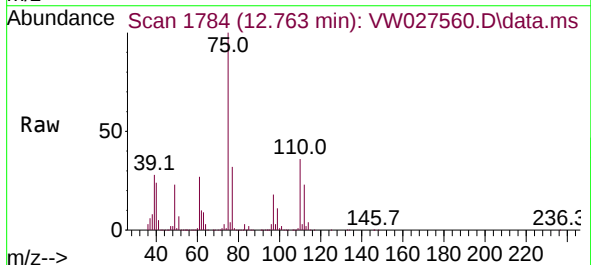
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

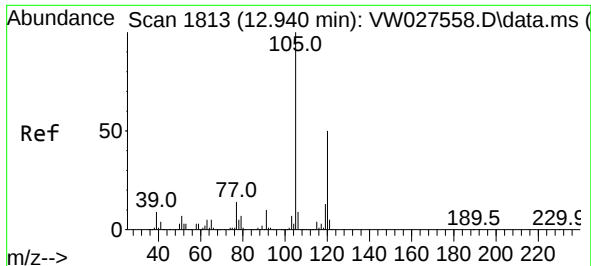
Tgt Ion:105 Resp: 1873328
Ion Ratio Lower Upper
105 100
120 25.6 20.3 30.5
77 16.3 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 117.540 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 75 Resp: 280547
Ion Ratio Lower Upper
75 100
77 31.6 26.6 39.8
110 37.8 30.2 45.4

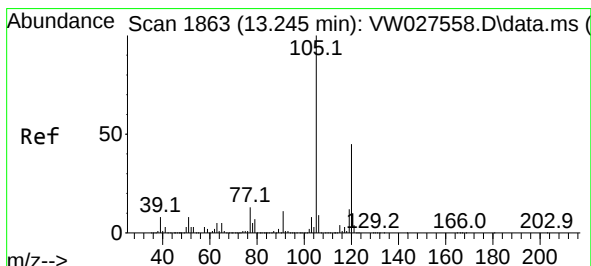
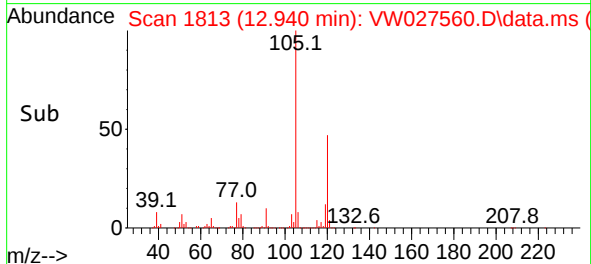
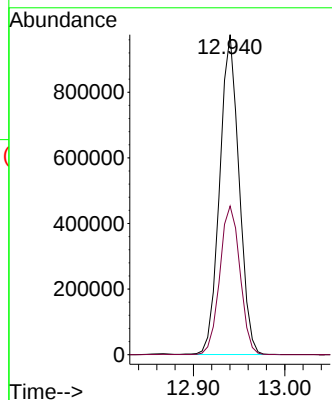
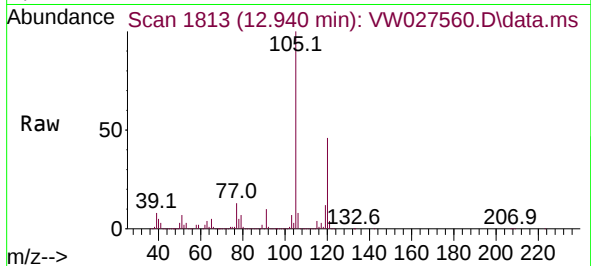




#62
1,3,5-Trimethylbenzene
Concen: 95.714 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

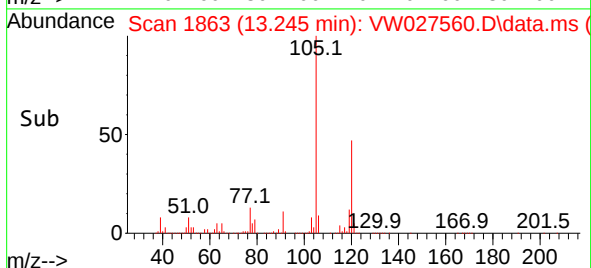
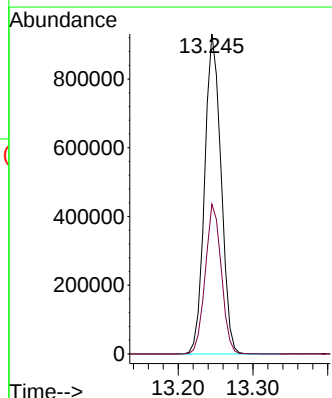
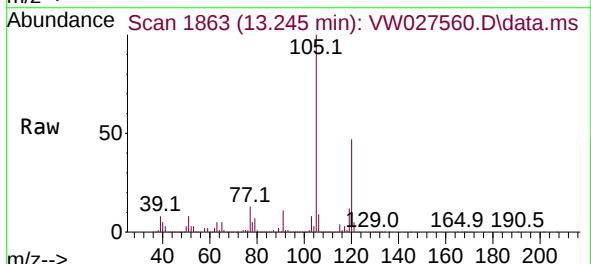
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

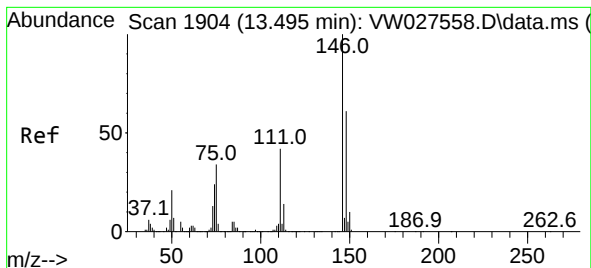
Tgt Ion:105 Resp: 1439330
Ion Ratio Lower Upper
105 100
120 48.4 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 92.653 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion:105 Resp: 1415576
Ion Ratio Lower Upper
105 100
120 45.9 36.9 55.3

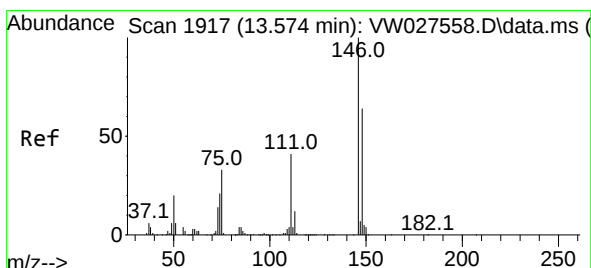
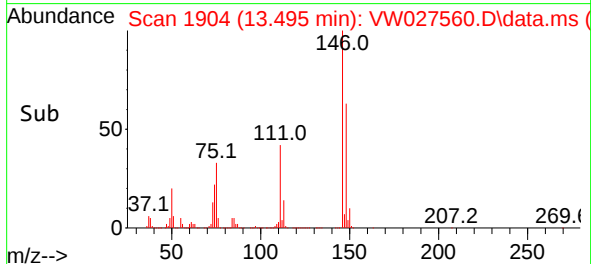
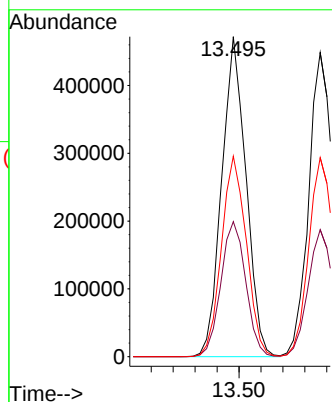
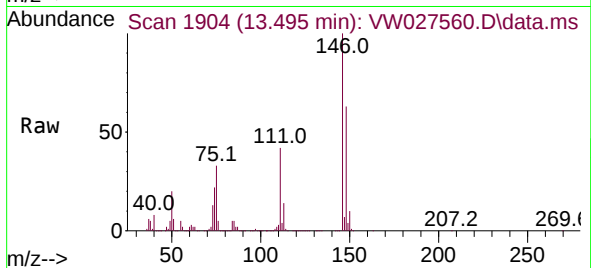




#64
1,3-Dichlorobenzene
Concen: 92.459 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

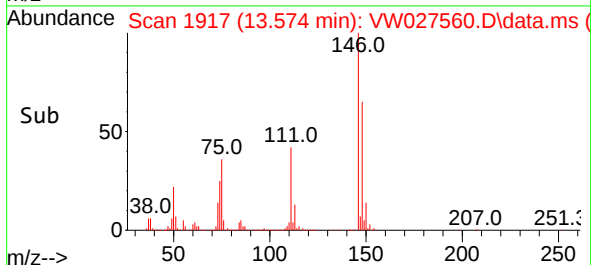
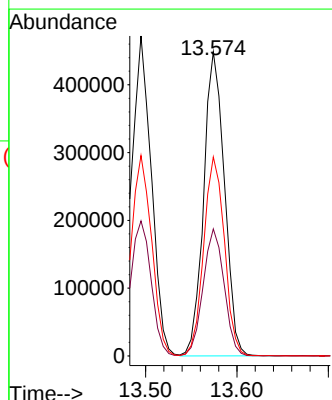
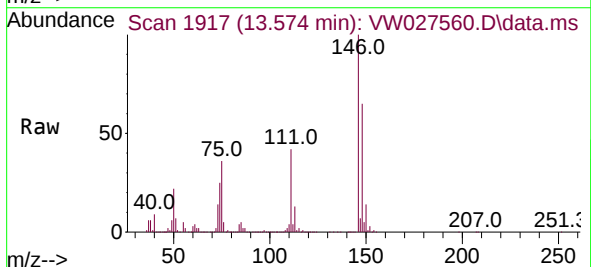
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

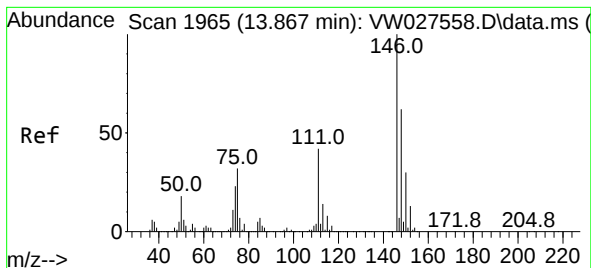
Tgt Ion:146 Resp: 726026
Ion Ratio Lower Upper
146 100
111 42.2 29.5 54.7
148 62.7 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 89.917 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion:146 Resp: 708000
Ion Ratio Lower Upper
146 100
111 41.8 28.9 53.7
148 65.4 44.9 83.5

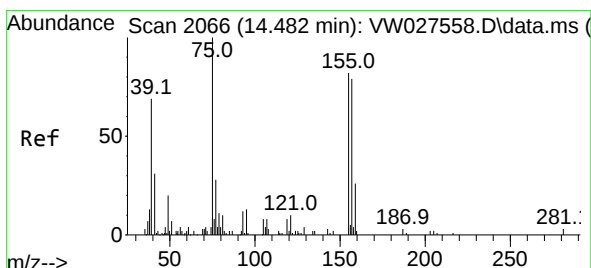
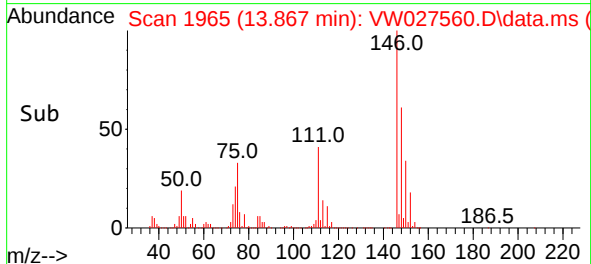
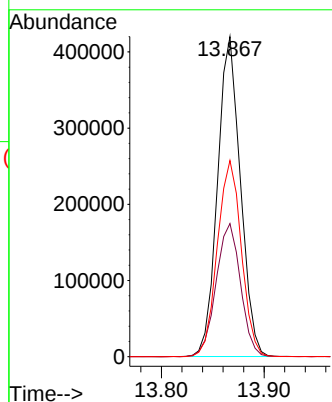
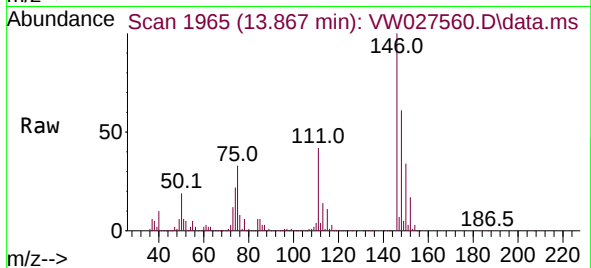




#67
1,2-Dichlorobenzene
Concen: 94.419 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

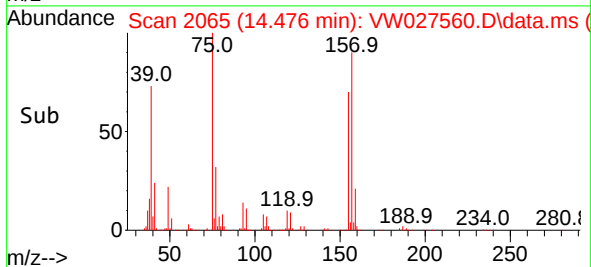
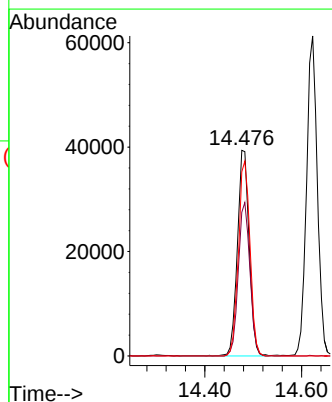
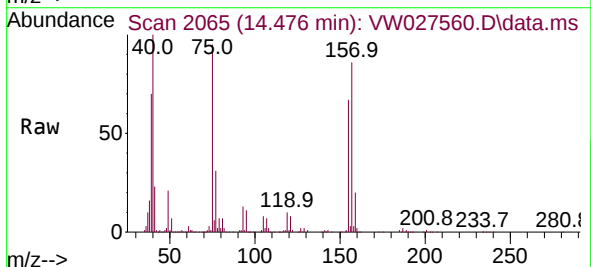
Instrument :
MSVOA_W
ClientSampleId :
VSTD100476

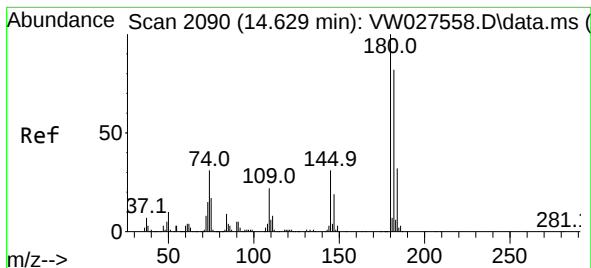
Tgt Ion:146 Resp: 649094
Ion Ratio Lower Upper
146 100
111 41.6 33.9 50.9
148 61.3 49.5 74.3



#68
1,2-Dibromo-3-chloropropane
Concen: 124.556 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW027560.D
Acq: 06 Dec 2023 11:11

Tgt Ion: 75 Resp: 66516
Ion Ratio Lower Upper
75 100
155 69.9 65.8 98.8
157 89.6 63.0 94.6





#69

1,3,5-Trichlorobenzene

Concen: 92.583 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD100476

Tgt Ion:180 Resp: 471881

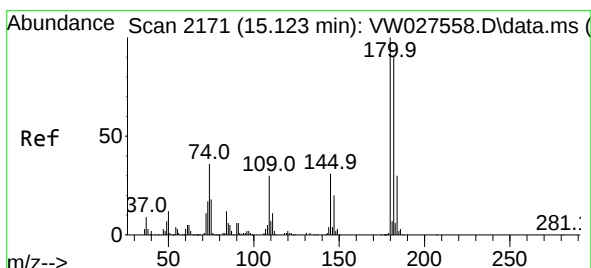
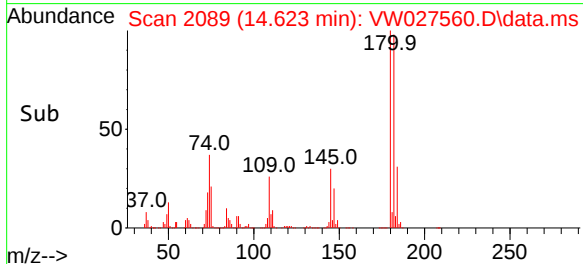
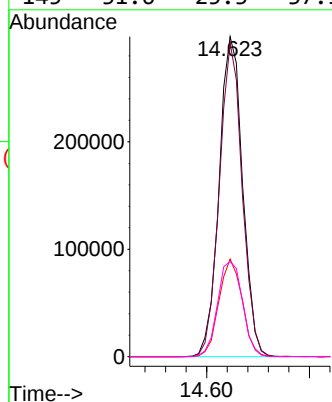
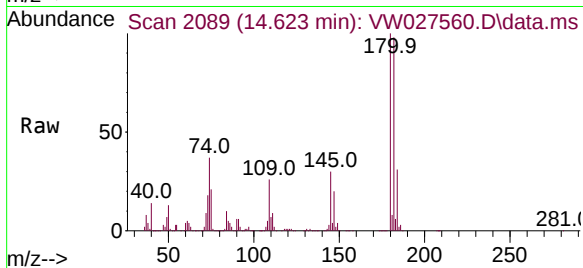
Ion Ratio Lower Upper

180 100

182 95.2 73.2 109.8

184 30.3 25.4 38.2

145 31.6 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 95.549 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

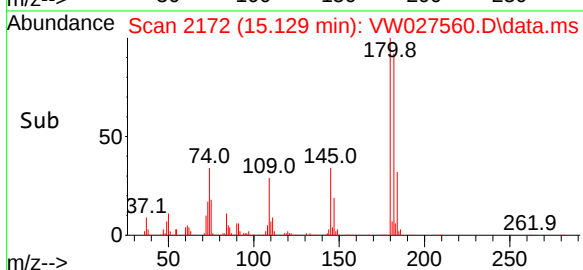
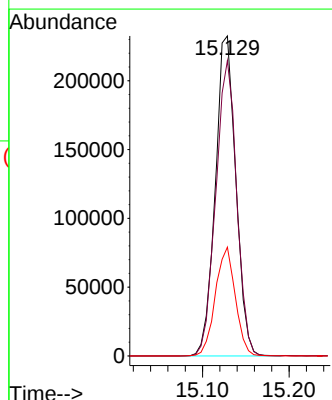
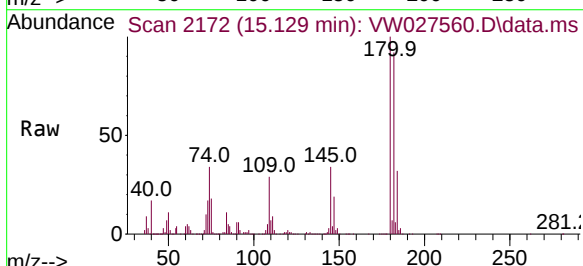
Tgt Ion:180 Resp: 383743

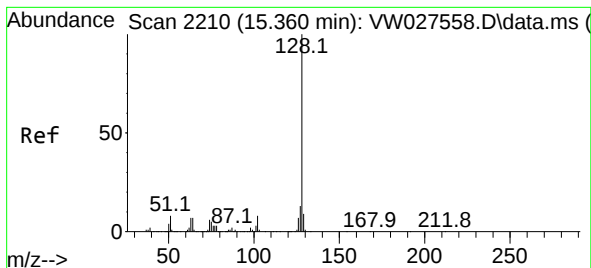
Ion Ratio Lower Upper

180 100

182 93.8 78.7 118.1

145 33.0 26.8 40.2





#71

Naphthalene

Concen: 122.004 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD100476

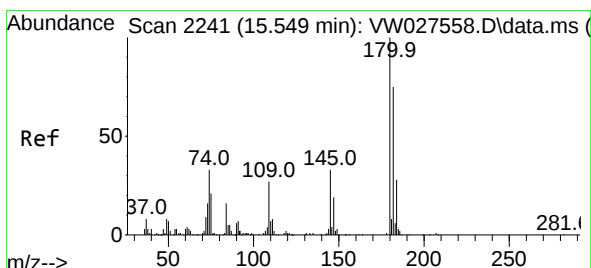
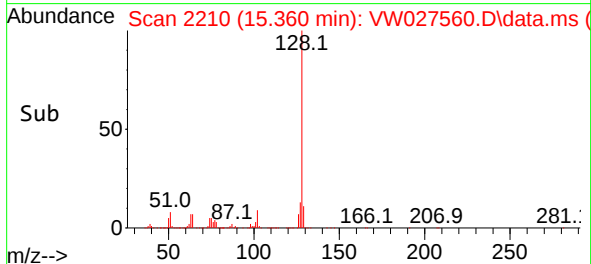
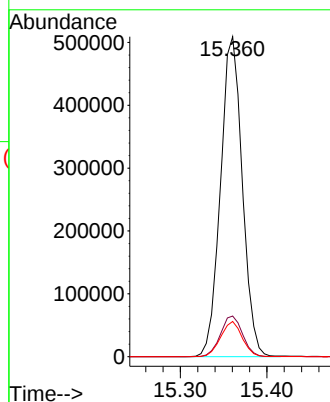
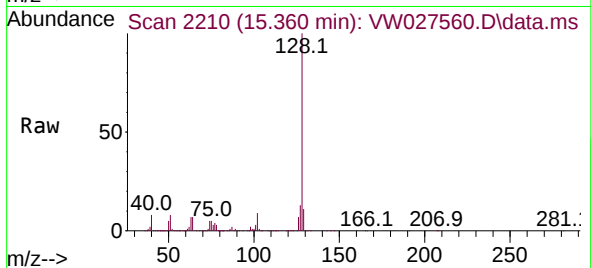
Tgt Ion:128 Resp: 890017

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 102.468 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027560.D

Acq: 06 Dec 2023 11:11

Tgt Ion:180 Resp: 340907

Ion Ratio Lower Upper

180 100

182 89.3 72.4 108.6

145 32.7 27.4 41.0

