

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027556.D
 Acq On : 06 Dec 2023 09:36
 Operator : SY/MD
 Sample : VSTD2.5
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5472

Quant Time: Dec 07 06:35:08 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	295624	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	261522	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	134072	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	17225	3.150	ug/L	0.00
7) Chloroethane-d5	2.783	69	130	0.034	ug/L	-0.12
11) 1,1-Dichloroethene-d2	4.033	65	7161	3.040	ug/L	0.01
21) 2-Butanone-d5	7.094	46	9204	8.305	ug/L	0.01
24) Chloroform-d	7.655	84	24230	2.839	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.313	65	13451	3.222	ug/L	0.00
32) Benzene-d6	8.276	84	48986	2.791	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	14639	2.765	ug/L	0.00
41) Toluene-d8	10.325	98	42740	2.737	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.581	79	5771	2.940	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	5704	7.568	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	12952	3.702	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.855	152	12929	2.614	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.040	85	11614	3.338	ug/L	96
3) Chloromethane	2.229	50	14413	3.201	ug/L	98
5) Vinyl chloride	2.381	62	15958	3.064	ug/L	98
6) Bromomethane	2.796	94	8616	3.083	ug/L	89
8) Chloroethane	2.942	64	9447	3.215	ug/L	88
9) Trichlorofluoromethane	3.277	101	13517	3.152	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	12364	2.954	ug/L #	58
12) 1,1-Dichloroethene	4.058	96	11670	2.904	ug/L	95
13) Acetone	4.143	43	10162	8.733	ug/L	94
14) Carbon disulfide	4.399	76	39490	2.966	ug/L	99
15) Methyl Acetate	4.808	43	173	0.094	ug/L	100
16) Methylene chloride	4.929	84	17589	3.688	ug/L	94
17) trans-1,2-Dichloroethene	5.448	96	12356	2.938	ug/L	77
18) Methyl tert-butyl Ether	5.435	73	20205	3.299	ug/L #	92
19) 1,1-Dichloroethane	6.228	63	24102	2.873	ug/L	97
20) cis-1,2-Dichloroethene	7.179	96	13059	2.920	ug/L	95
22) 2-Butanone	7.185	43	10859	7.295	ug/L	88
23) Bromochloromethane	7.520	128	5272	2.923	ug/L	91
25) Chloroform	7.679	83	21827	2.828	ug/L	88
27) 1,2-Dichloroethane	8.404	62	15191	3.100	ug/L	98
29) Cyclohexane	7.959	56	23872	2.880	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	18626	2.830	ug/L	94
31) Carbon tetrachloride	8.075	117	16764	2.918	ug/L	98
33) Benzene	8.331	78	48941	2.751	ug/L	100
34) Trichloroethene	9.099	95	13397	2.876	ug/L	96
35) Methylcyclohexane	9.337	83	23553	2.774	ug/L	97
37) 1,2-Dichloropropane	9.368	63	12978	2.820	ug/L	98
38) Bromodichloromethane	9.648	83	15141	2.915	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	18448	2.765	ug/L	98
40) 4-Methyl-2-pentanone	10.215	43	18981	7.787	ug/L	97
42) Toluene	10.386	91	50298	2.726	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	14173	2.686	ug/L	99

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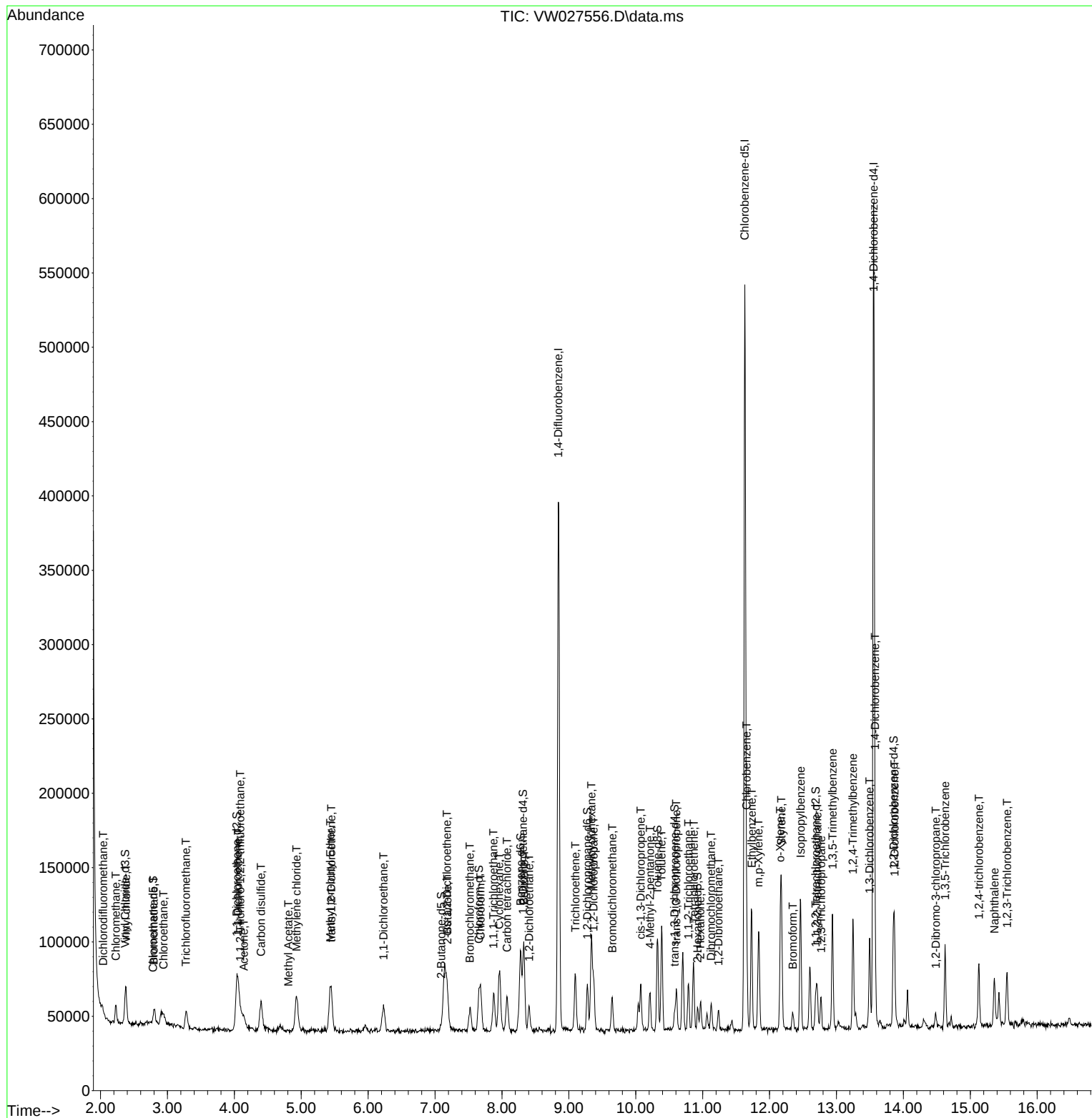
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	9507	3.240	ug/L	94
46) Tetrachloroethene	10.867	164	10032	3.009	ug/L	95
48) 2-Hexanone	10.965	43	13554	7.388	ug/L	99
49) Dibromochloromethane	11.123	129	8795	2.962	ug/L	95
50) 1,2-Dibromoethane	11.233	107	8885	3.299	ug/L	100
51) Chlorobenzene	11.654	112	31648	2.827	ug/L	97
52) Ethylbenzene	11.733	91	56427	2.682	ug/L	95
53) m,p-Xylene	11.837	106	20666	2.680	ug/L	95
54) o-Xylene	12.160	106	18653	2.582	ug/L	99
55) Styrene	12.178	104	30666	2.509	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.715	83	12373	3.621	ug/L #	98
59) Bromoform	12.349	173	4820	2.827	ug/L #	92
60) Isopropylbenzene	12.465	105	53565	2.350	ug/L	97
61) 1,2,3-Trichloropropane	12.769	75	9471	3.496	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	39729	2.327	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	39881	2.300	ug/L	95
64) 1,3-Dichlorobenzene	13.495	146	21823	2.448	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	22369	2.503	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	21141	2.709	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.483	75	2597	4.284	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.623	180	14752	2.550	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	12001	2.632	ug/L	94
71) Naphthalene	15.360	128	26009	3.141	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	10520	2.786	ug/L	93

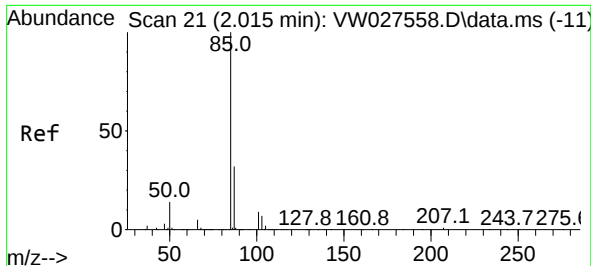
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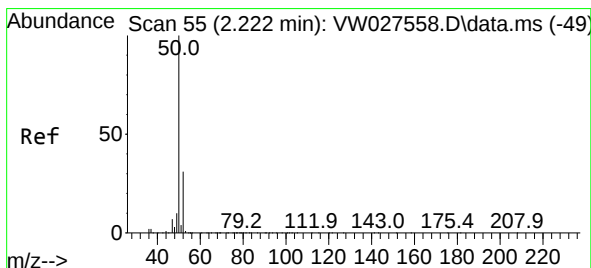
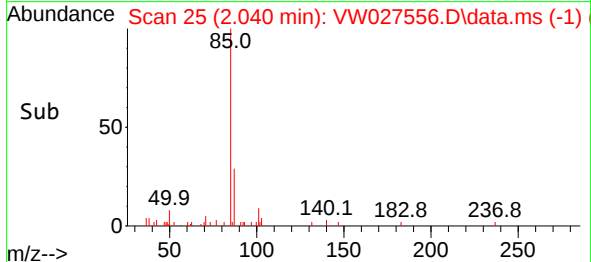
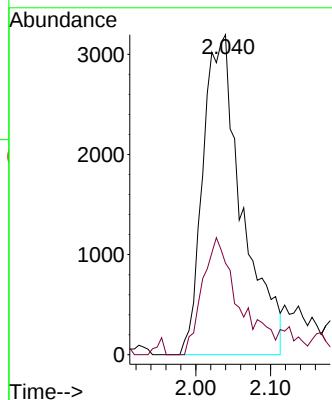
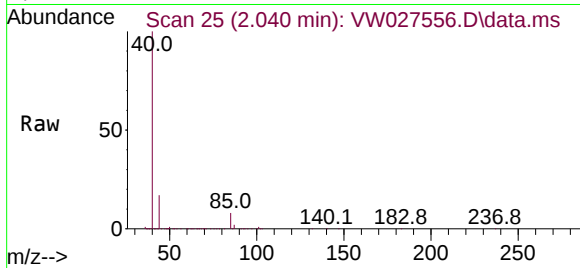




#2
 Dichlorodifluoromethane
 Concen: 3.338 ug/L
 RT: 2.040 min Scan# 21
 Delta R.T. 0.025 min
 Lab File: VW027556.D
 Acq: 06 Dec 2023 09:36

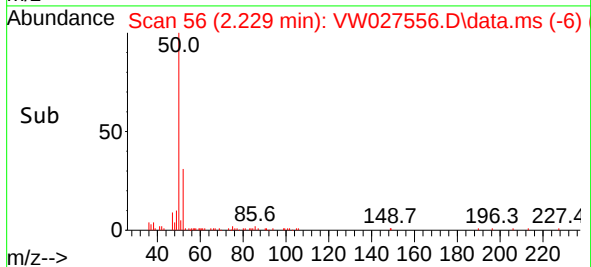
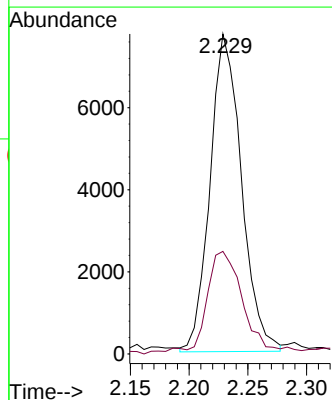
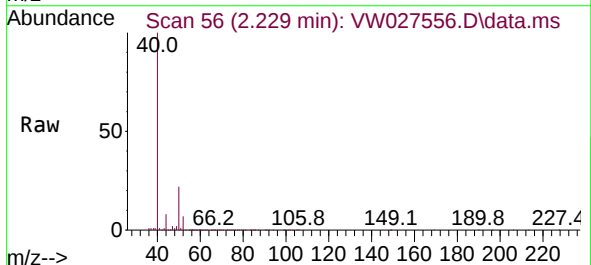
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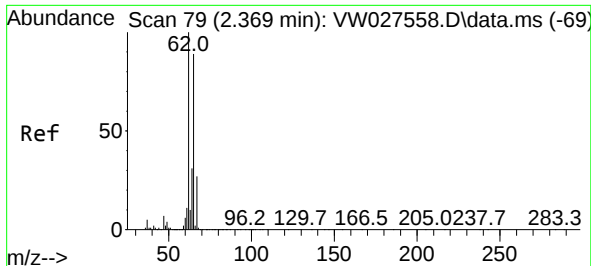
Tgt Ion: 85 Resp: 11614
 Ion Ratio Lower Upper
 85 100
 87 27.9 24.0 36.0



#3
 Chloromethane
 Concen: 3.201 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW027556.D
 Acq: 06 Dec 2023 09:36

Tgt Ion: 50 Resp: 14413
 Ion Ratio Lower Upper
 50 100
 52 32.1 21.8 40.6

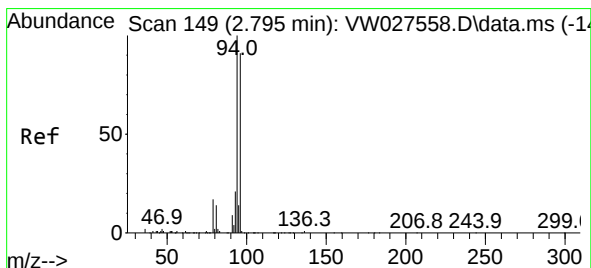
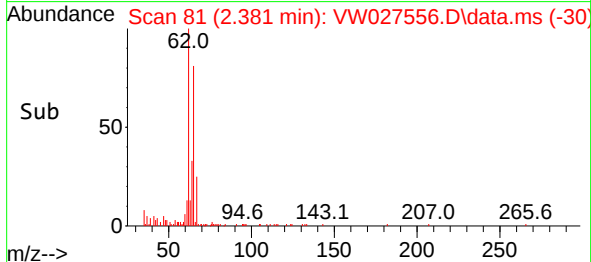
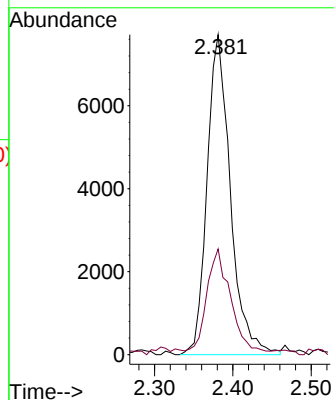
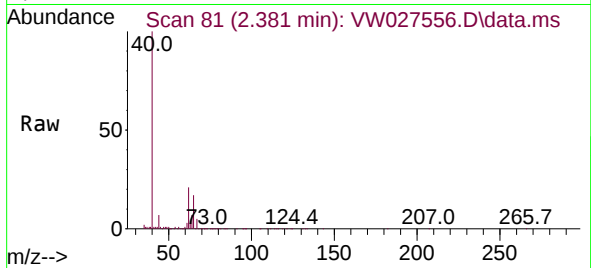




#5
 Vinyl chloride
 Concen: 3.064 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: VW027556.D
 Acq: 06 Dec 2023 09:36

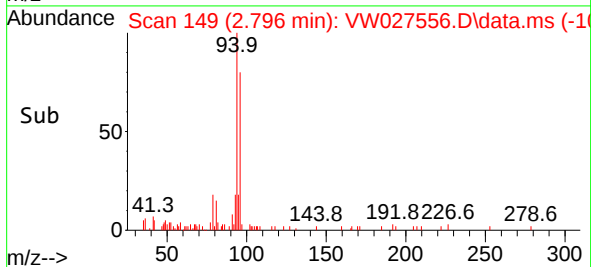
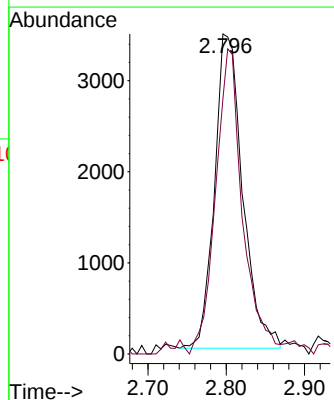
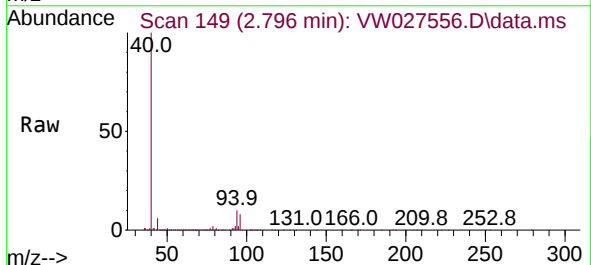
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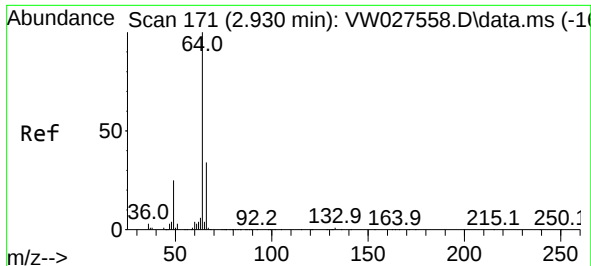
Tgt Ion: 62 Resp: 15958
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.2 41.2



#6
 Bromomethane
 Concen: 3.083 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW027556.D
 Acq: 06 Dec 2023 09:36

Tgt Ion: 94 Resp: 8616
 Ion Ratio Lower Upper
 94 100
 96 79.7 63.3 117.7

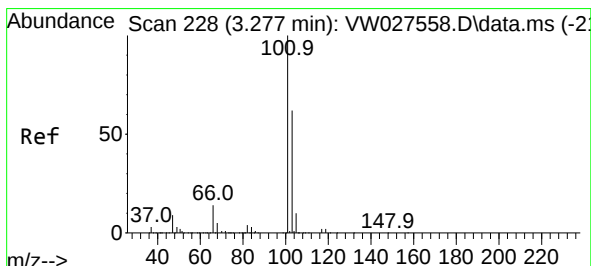
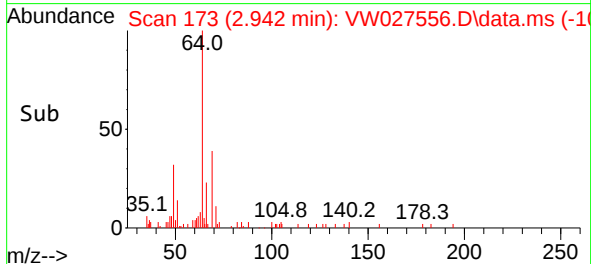
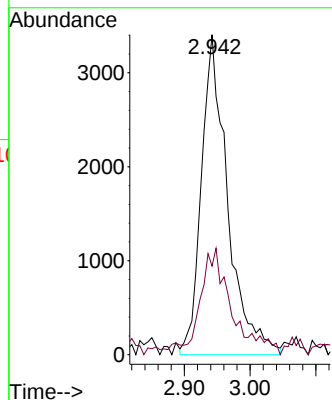
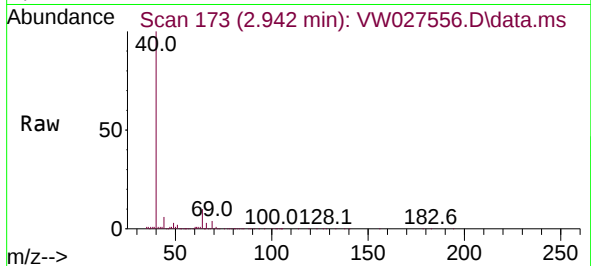




#8
Chloroethane
Concen: 3.215 ug/L
RT: 2.942 min Scan# 171
Delta R.T. 0.012 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

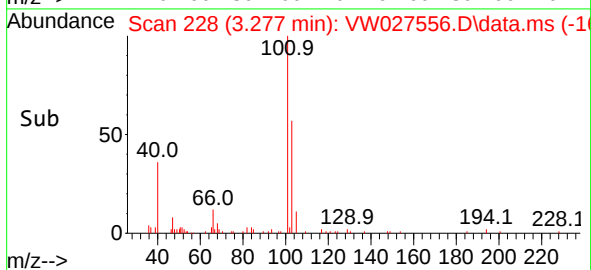
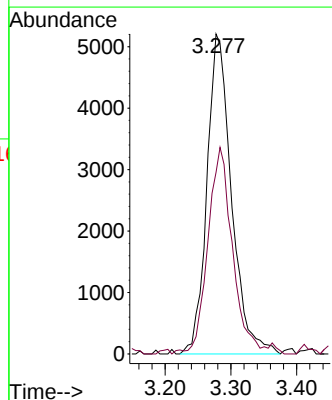
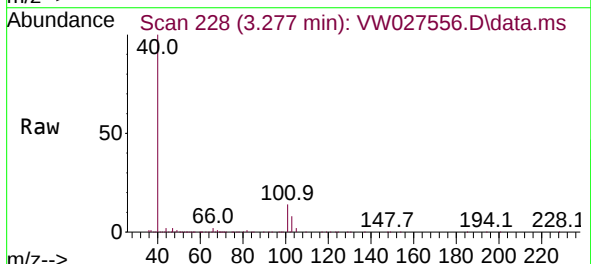
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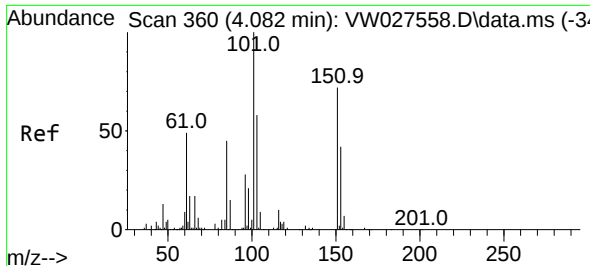
Tgt Ion: 64 Resp: 9447
Ion Ratio Lower Upper
64 100
66 27.7 24.1 44.7



#9
Trichlorofluoromethane
Concen: 3.152 ug/L
RT: 3.277 min Scan# 228
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 101 Resp: 13517
Ion Ratio Lower Upper
101 100
103 63.9 52.0 78.0

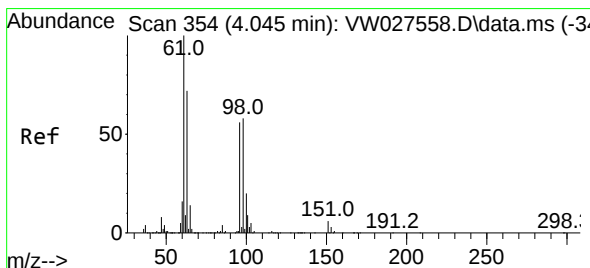
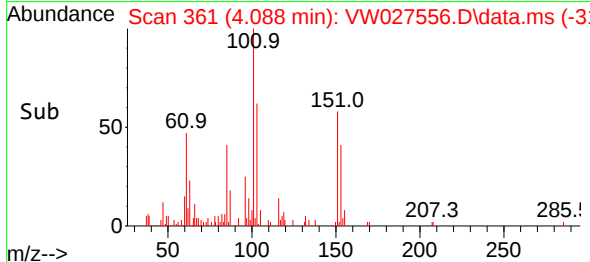
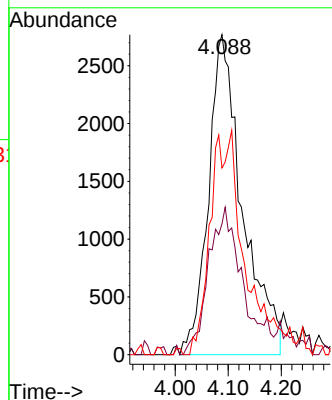
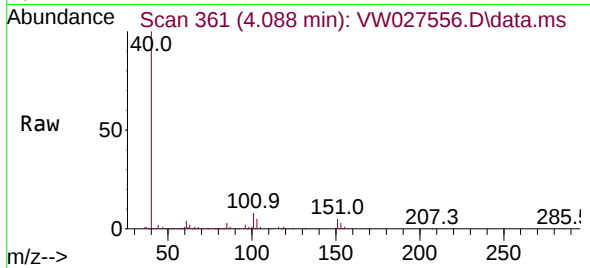




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.954 ug/L
RT: 4.088 min Scan# 360
Delta R.T. 0.006 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

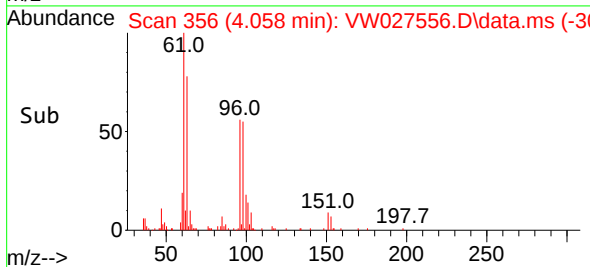
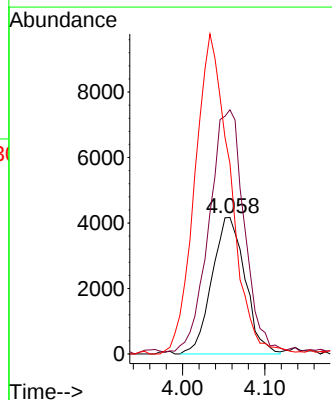
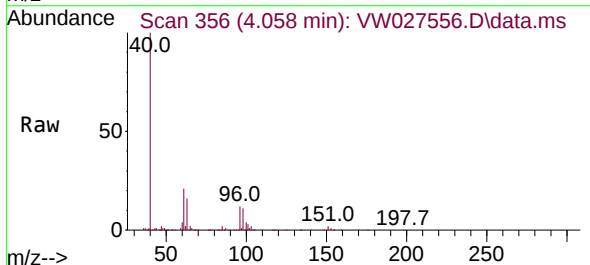
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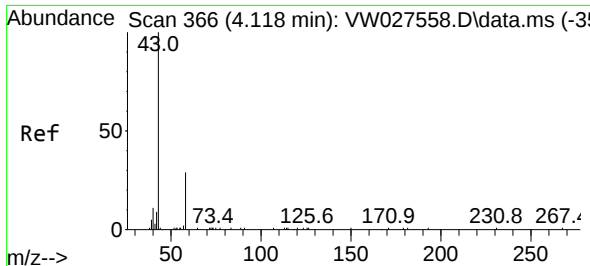
Tgt Ion:101 Resp: 12364
Ion Ratio Lower Upper
101 100
85 24.2 33.9 50.9#
151 27.5 54.6 81.8#



#12
1,1-Dichloroethene
Concen: 2.904 ug/L
RT: 4.058 min Scan# 356
Delta R.T. 0.012 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 96 Resp: 11670
Ion Ratio Lower Upper
96 100
61 179.0 127.8 237.4
63 139.6 104.9 194.7

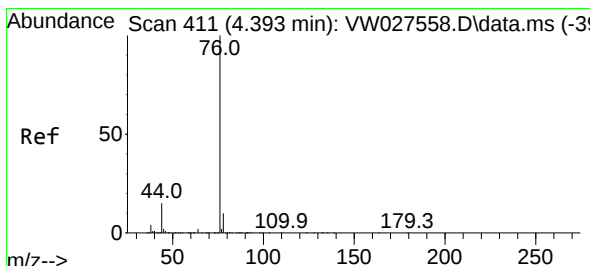
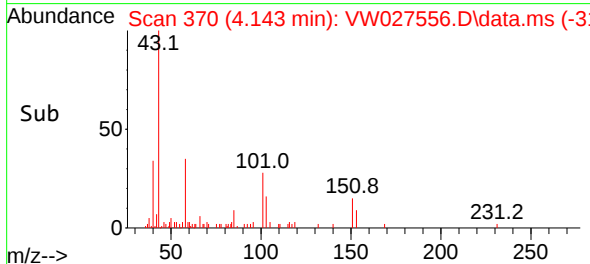
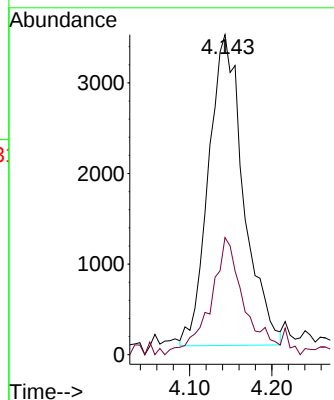
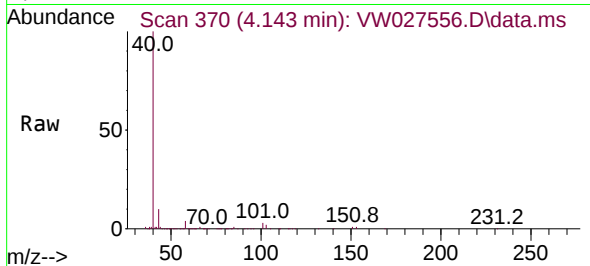




#13
Acetone
Concen: 8.733 ug/L
RT: 4.143 min Scan# 31
Delta R.T. 0.025 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

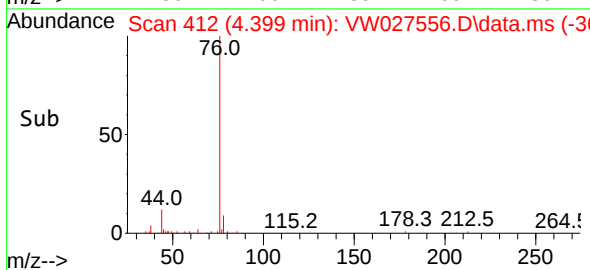
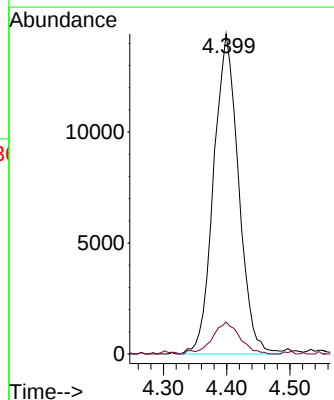
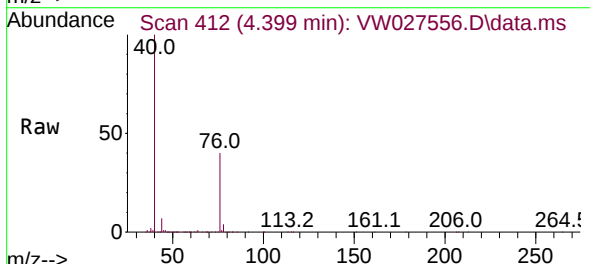
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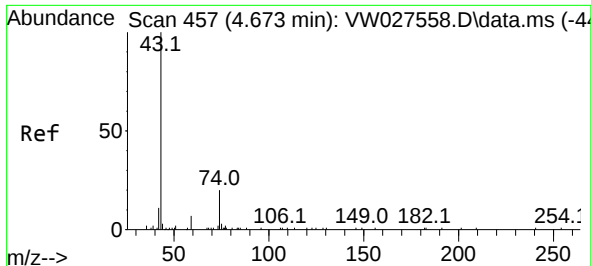
Tgt Ion: 43 Resp: 10162
Ion Ratio Lower Upper
43 100
58 33.4 0.0 60.0



#14
Carbon disulfide
Concen: 2.966 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.006 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 76 Resp: 39490
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.6

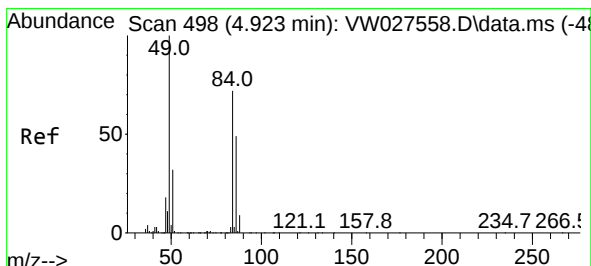
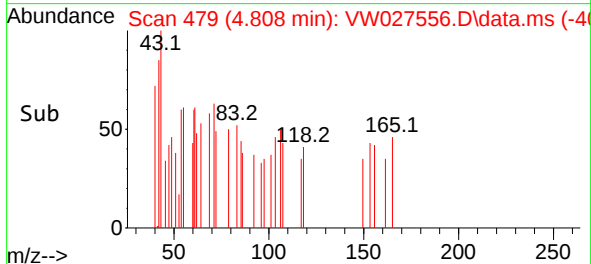
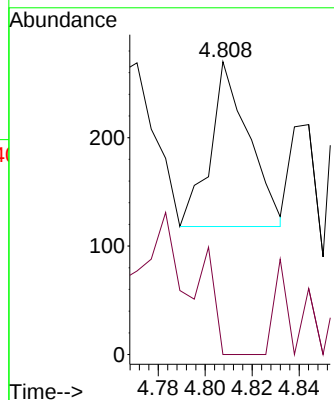
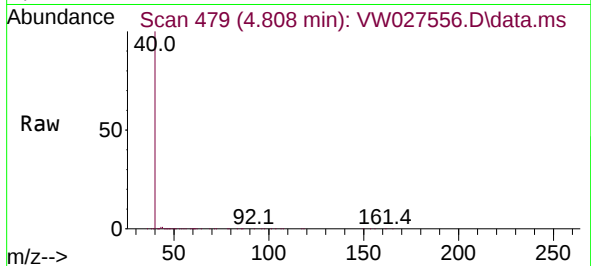




#15
Methyl Acetate
Concen: 0.094 ug/L
RT: 4.808 min Scan# 41
Delta R.T. 0.134 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

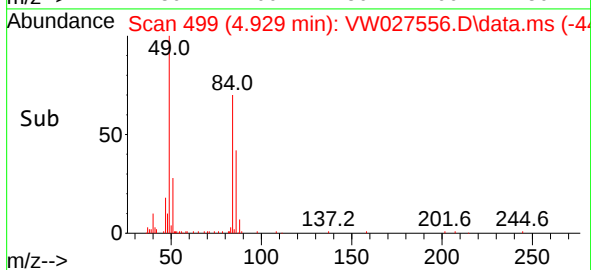
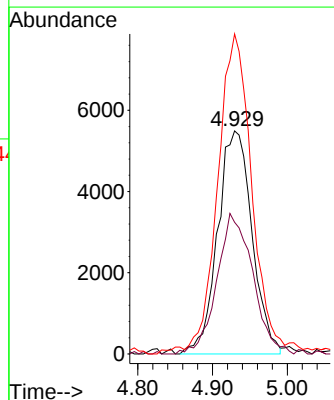
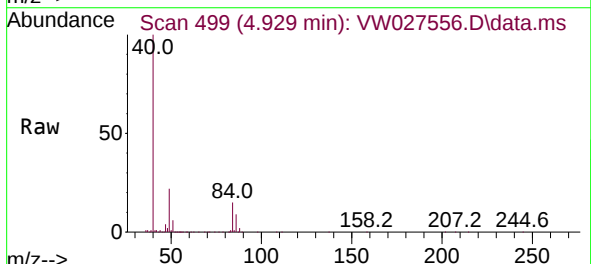
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

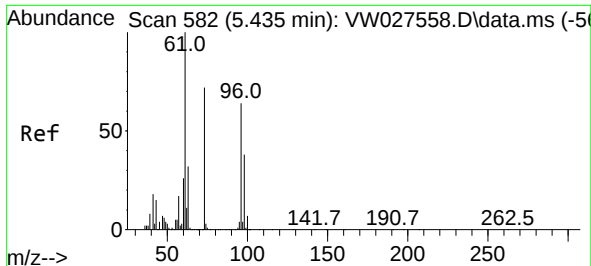
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
74 20.8 16.8 25.2



#16
Methylene chloride
Concen: 3.688 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.006 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 84 Resp: 17589
Ion Ratio Lower Upper
84 100
86 59.1 47.7 88.7
49 143.5 97.4 181.0

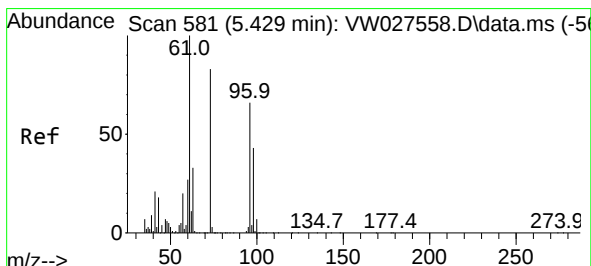
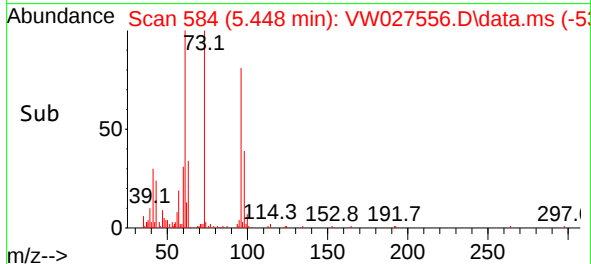
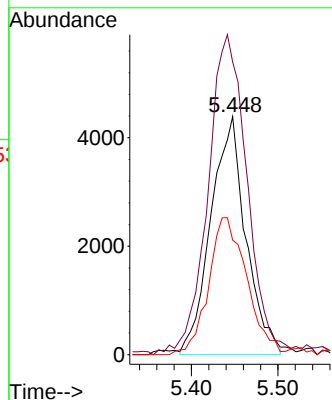
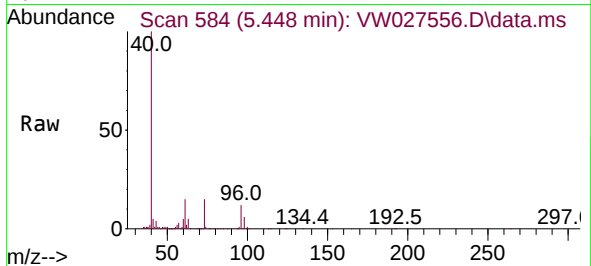




#17
trans-1,2-Dichloroethene
Concen: 2.938 ug/L
RT: 5.448 min Scan# 582
Delta R.T. 0.012 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

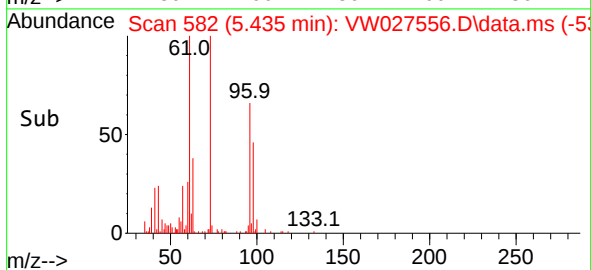
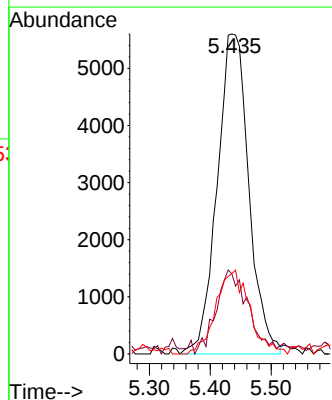
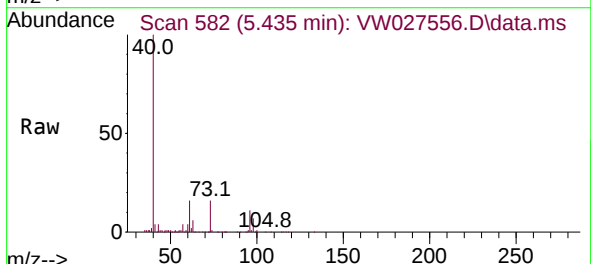
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

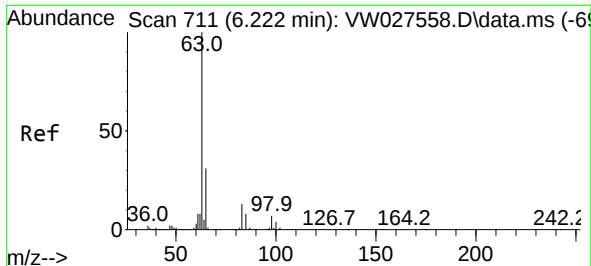
Tgt Ion: 96 Resp: 12356
Ion Ratio Lower Upper
96 100
61 123.0 109.6 203.6
98 48.1 41.9 77.7



#18
Methyl tert-butyl Ether
Concen: 3.299 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 73 Resp: 20205
Ion Ratio Lower Upper
73 100
43 16.8 17.8 26.6#
57 27.7 19.9 29.9





#19

1,1-Dichloroethane

Concen: 2.873 ug/L

RT: 6.228 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5472

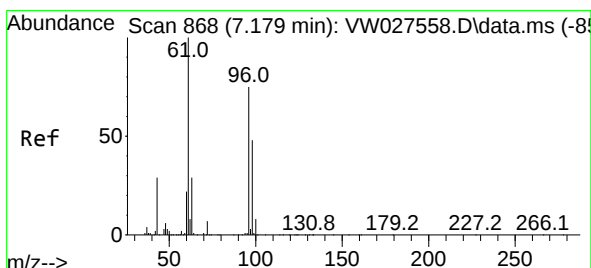
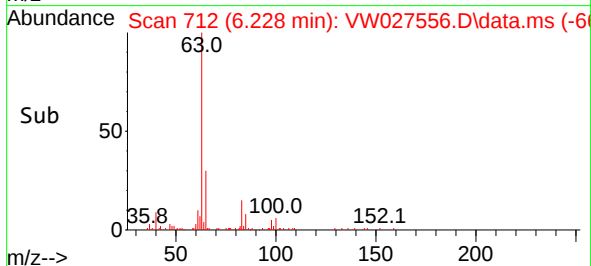
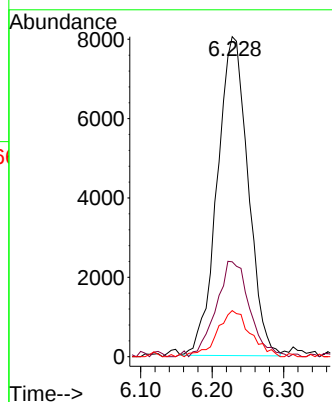
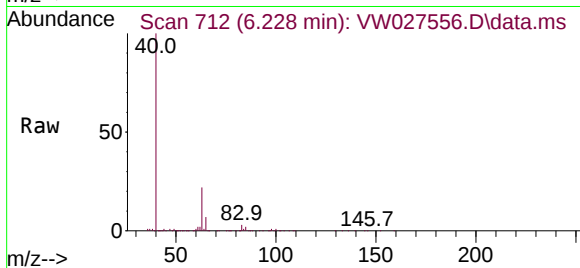
Tgt Ion: 63 Resp: 24102

Ion Ratio Lower Upper

63 100

65 29.7 22.0 40.8

83 14.4 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 2.920 ug/L

RT: 7.179 min Scan# 868

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

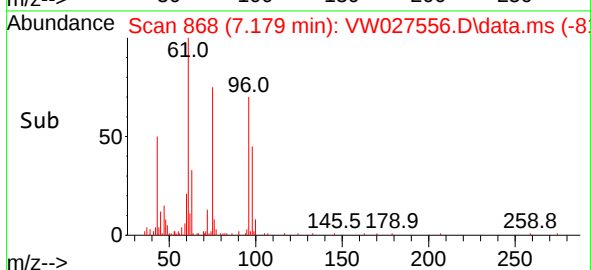
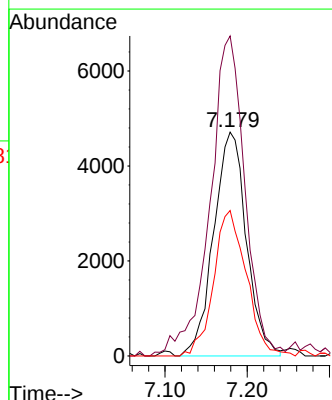
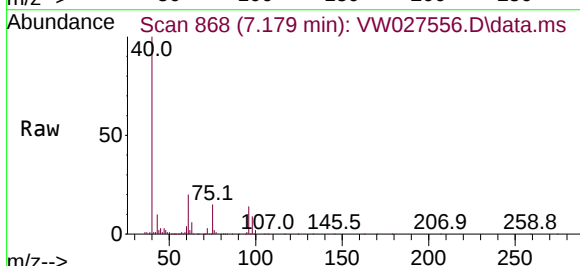
Tgt Ion: 96 Resp: 13059

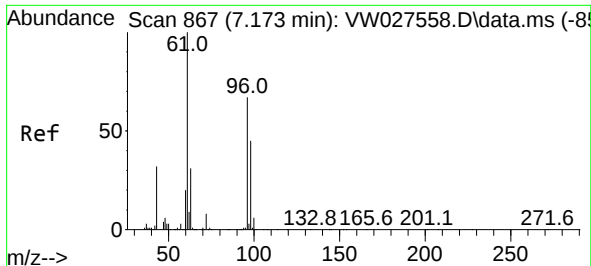
Ion Ratio Lower Upper

96 100

61 143.0 94.0 174.6

98 65.0 45.1 83.7

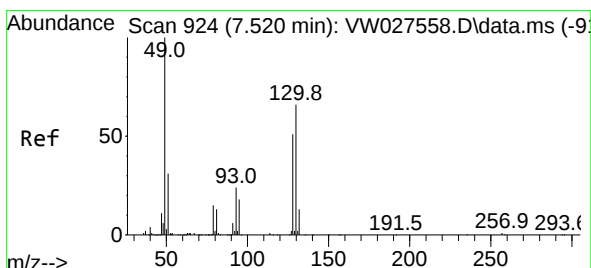
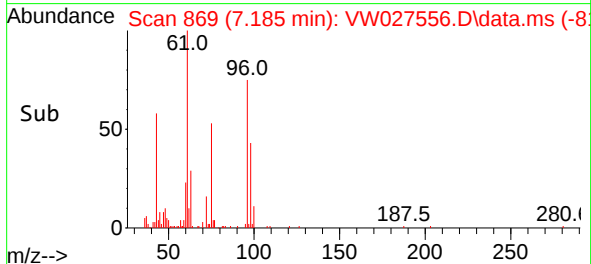
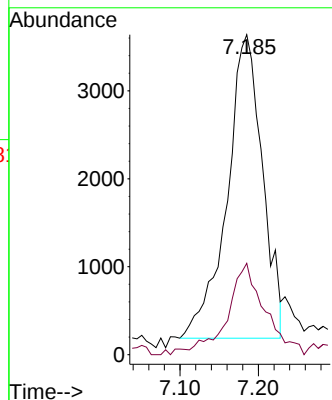
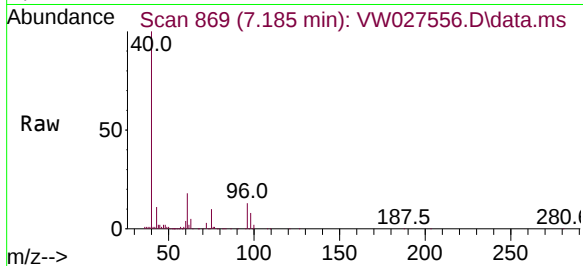




#22
2-Butanone
Concen: 7.295 ug/L
RT: 7.185 min Scan# 869
Delta R.T. 0.012 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

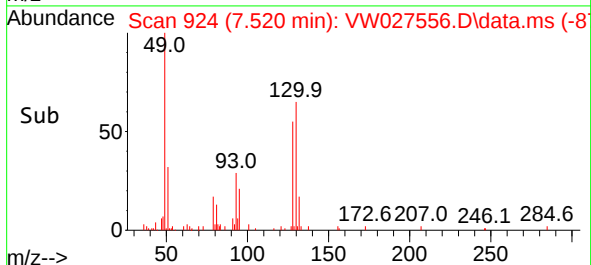
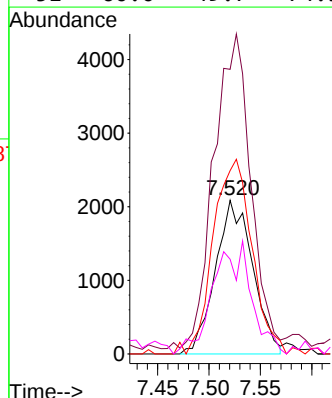
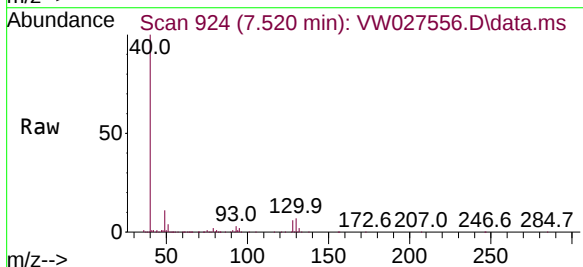
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

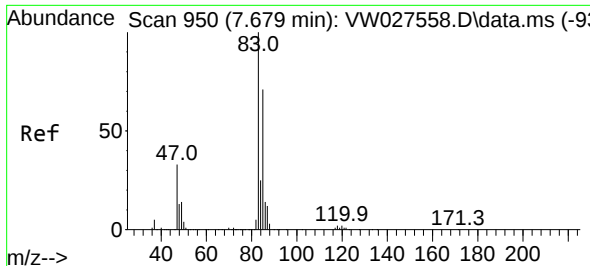
Tgt Ion: 43 Resp: 10859
Ion Ratio Lower Upper
43 100
72 29.9 11.9 35.9



#23
Bromochloromethane
Concen: 2.923 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 128 Resp: 5272
Ion Ratio Lower Upper
128 100
49 180.1 137.8 256.0
130 119.0 91.2 169.4
51 60.0 49.7 74.5

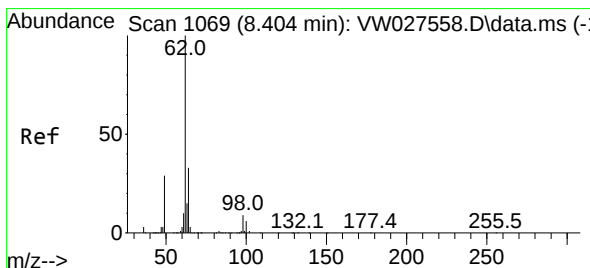
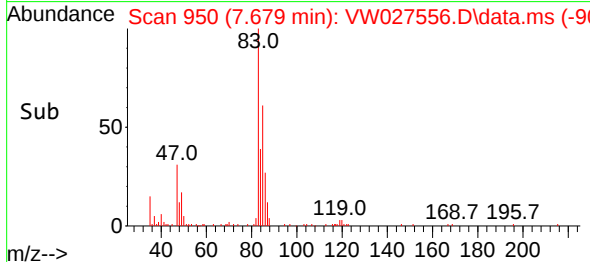
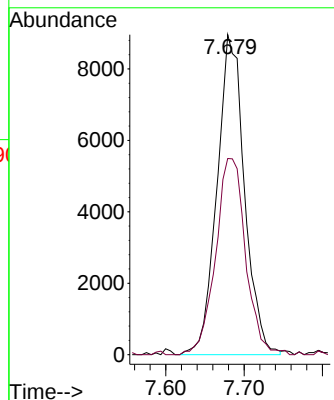
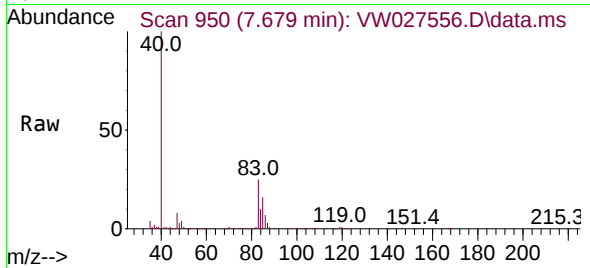




#25
Chloroform
Concen: 2.828 ug/L
RT: 7.679 min Scan# 910
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

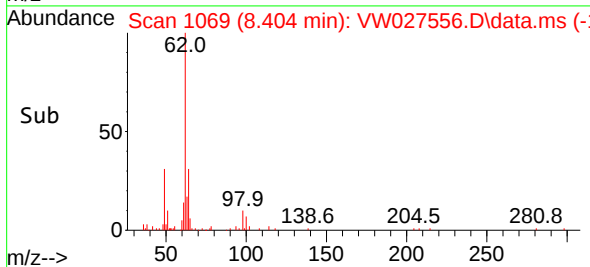
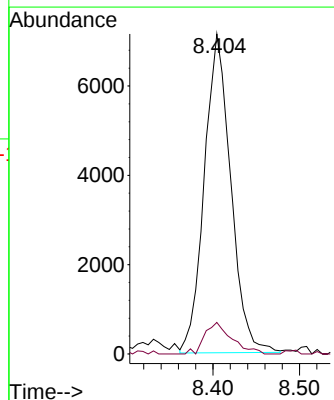
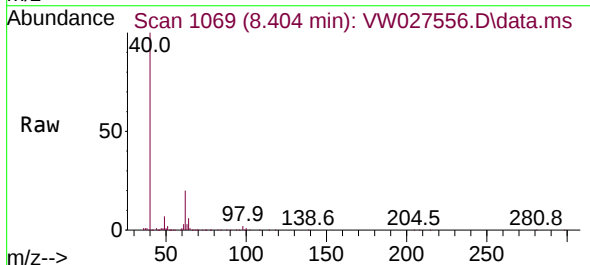
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

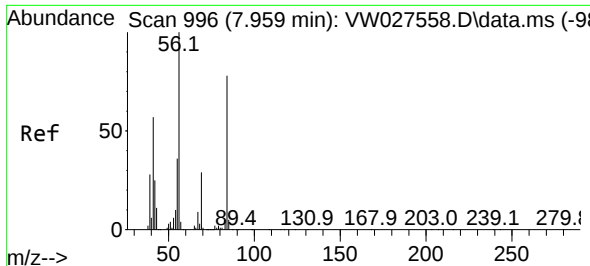
Tgt Ion: 83 Resp: 21827
Ion Ratio Lower Upper
83 100
85 61.3 49.8 92.6



#27
1,2-Dichloroethane
Concen: 3.100 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 62 Resp: 15191
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.0

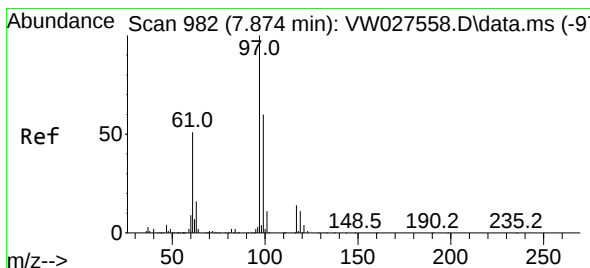
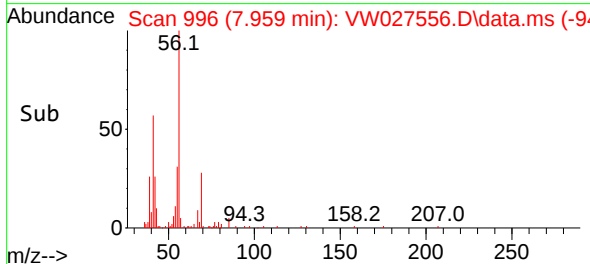
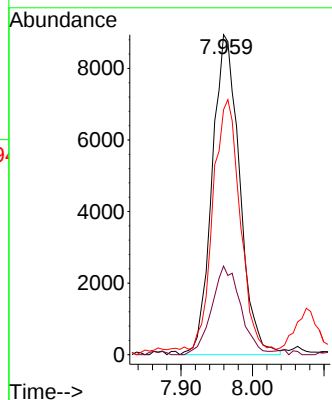
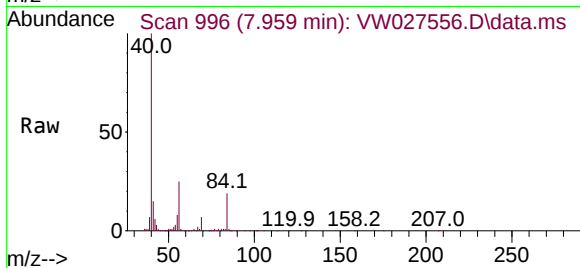




#29
Cyclohexane
Concen: 2.880 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

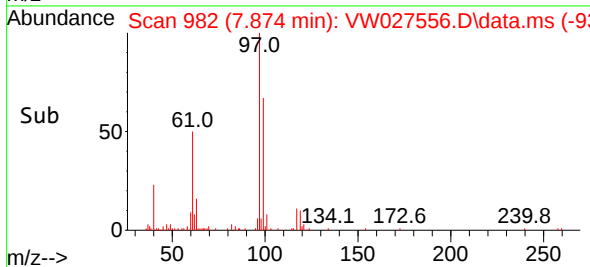
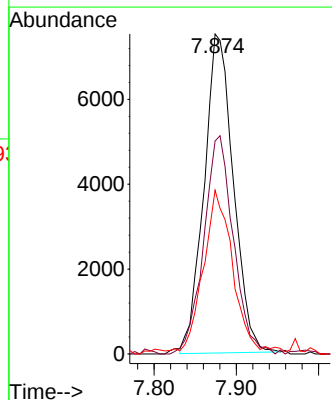
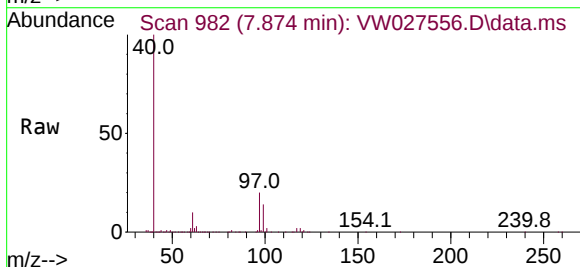
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

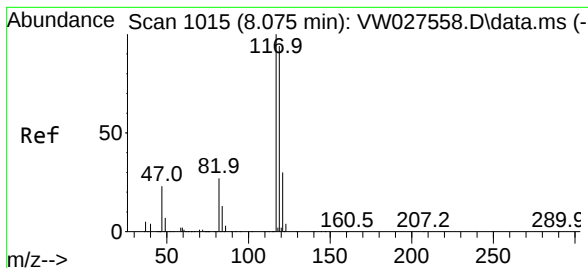
Tgt Ion:	56	Resp:	23872
Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.1	36.1
84	80.3	65.0	97.4



#30
1,1,1-Trichloroethane
Concen: 2.830 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion:	97	Resp:	18626
Ion	Ratio	Lower	Upper
97	100		
99	69.2	50.5	75.7
61	50.7	39.0	58.4





#31

Carbon tetrachloride

Concen: 2.918 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

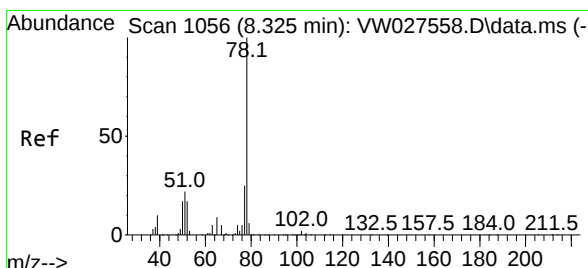
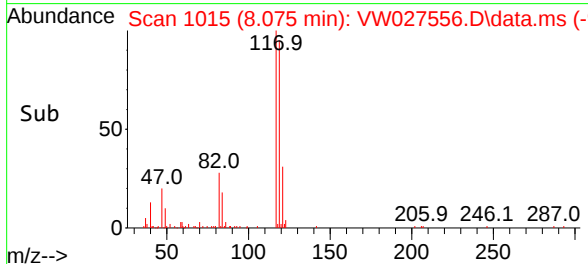
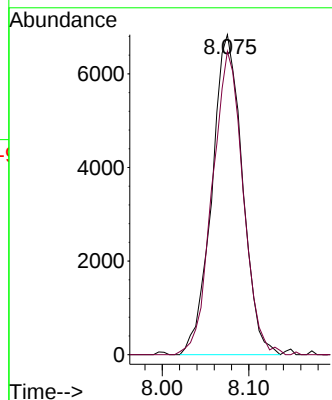
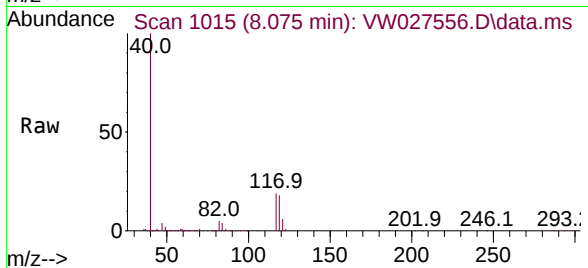
VSTD2.5472

Tgt Ion:117 Resp: 16764

Ion Ratio Lower Upper

117 100

119 94.8 77.0 115.6



#33

Benzene

Concen: 2.751 ug/L

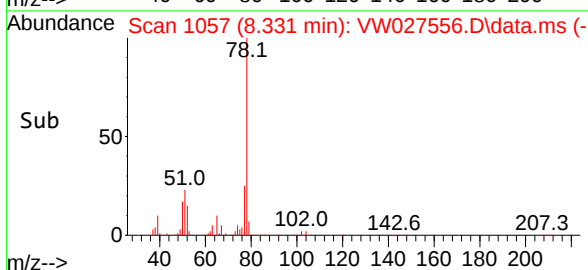
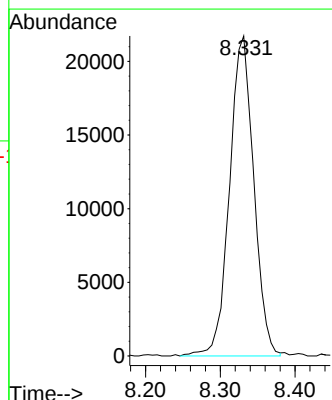
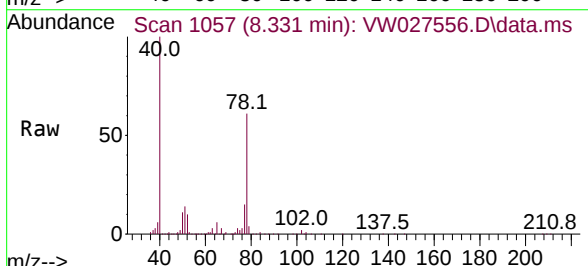
RT: 8.331 min Scan# 1057

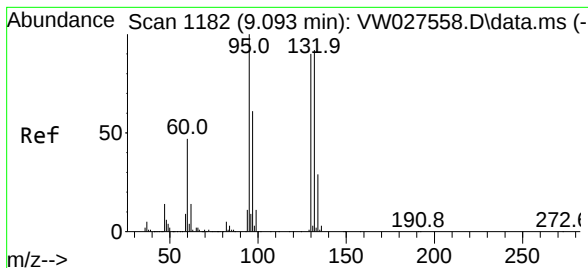
Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Tgt Ion: 78 Resp: 48941





#34

Trichloroethene

Concen: 2.876 ug/L

RT: 9.099 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW027556.D

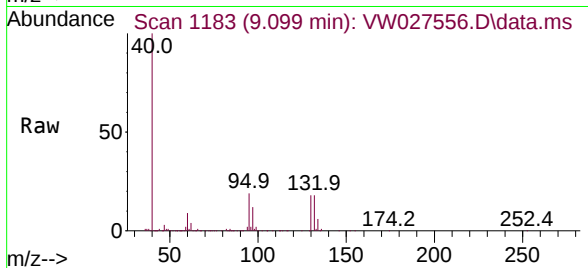
Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5472



Tgt Ion: 95 Resp: 13397

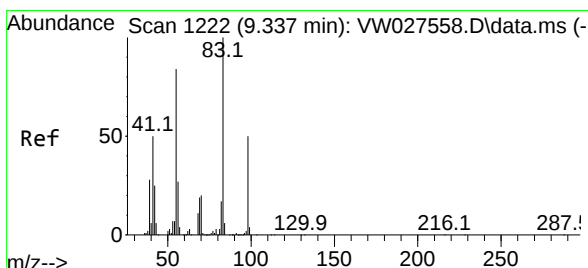
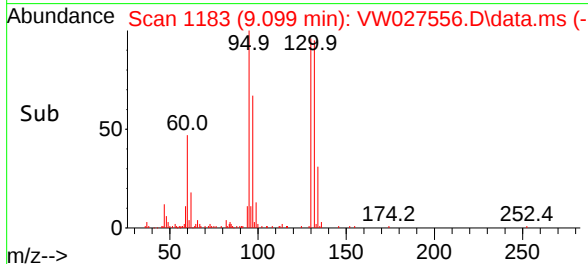
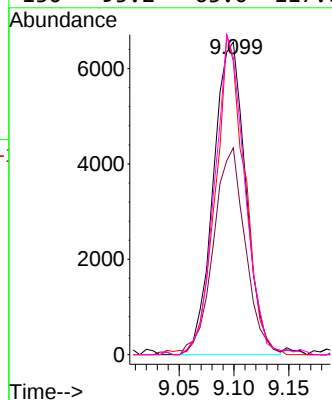
Ion Ratio Lower Upper

95 100

97 66.2 43.0 80.0

132 93.9 64.1 119.1

130 95.2 63.0 117.0



#35

Methylcyclohexane

Concen: 2.774 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

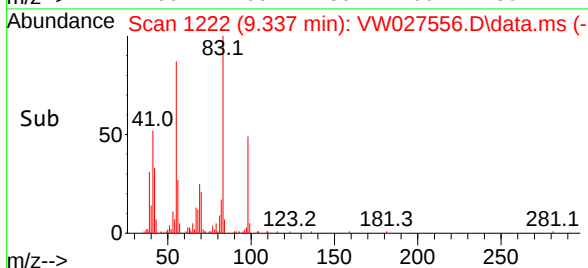
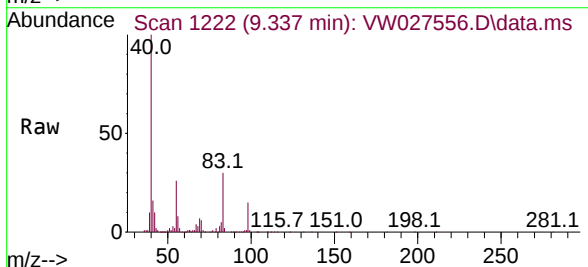
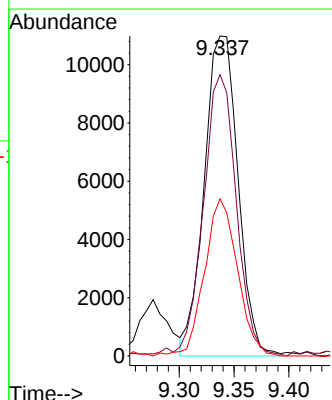
Tgt Ion: 83 Resp: 23553

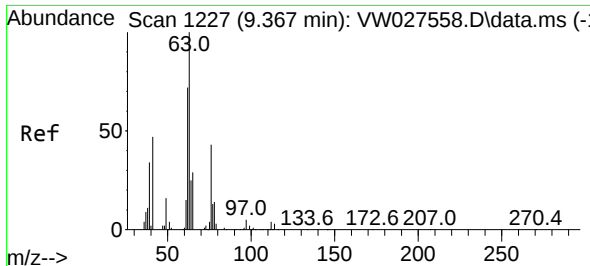
Ion Ratio Lower Upper

83 100

55 85.4 65.6 98.4

98 47.3 38.3 57.5





#37

1,2-Dichloropropane

Concen: 2.820 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

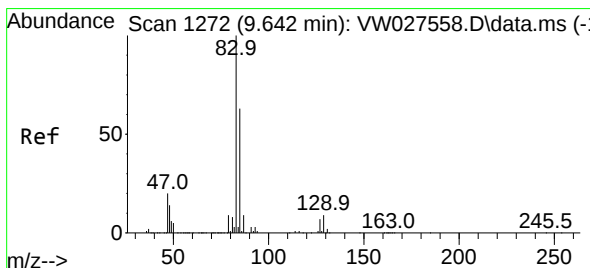
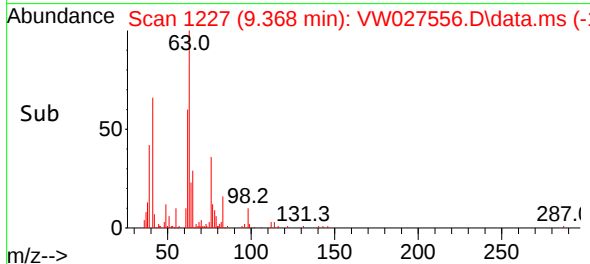
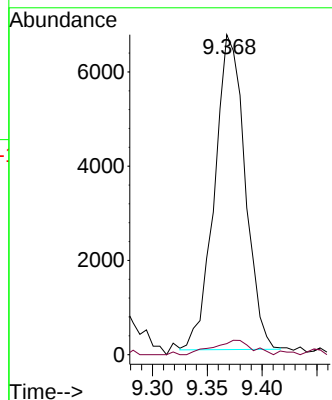
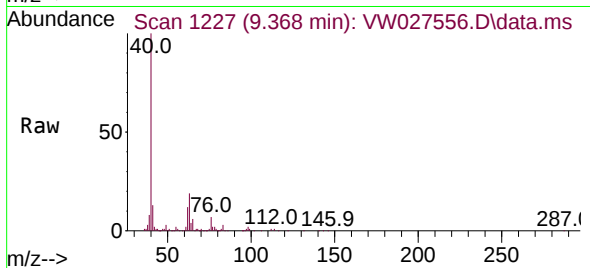
VSTD2.5472

Tgt Ion: 63 Resp: 12978

Ion Ratio Lower Upper

63 100

112 5.1 3.6 5.4



#38

Bromodichloromethane

Concen: 2.915 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

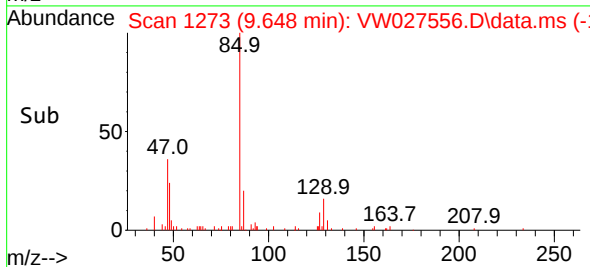
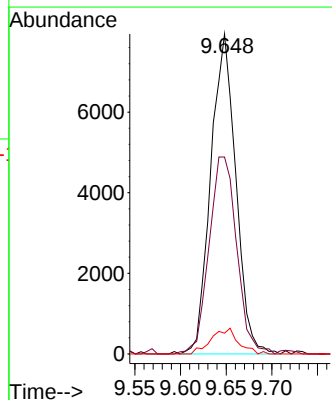
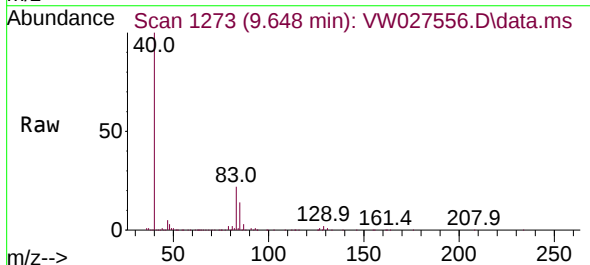
Tgt Ion: 83 Resp: 15141

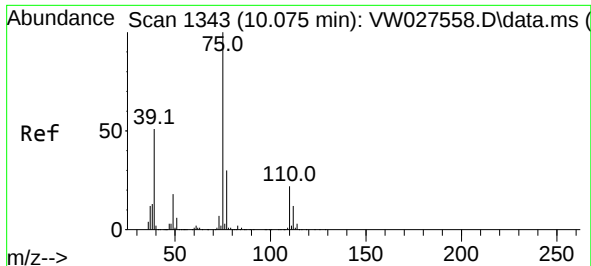
Ion Ratio Lower Upper

83 100

85 61.5 44.3 82.3

127 6.5 5.3 7.9





#39

cis-1,3-Dichloropropene

Concen: 2.765 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

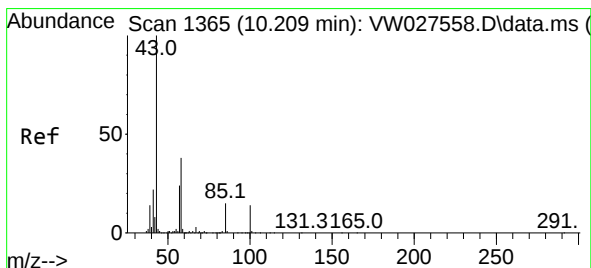
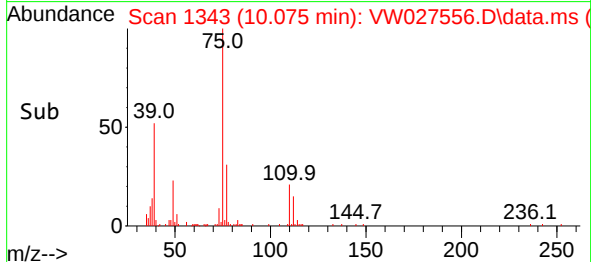
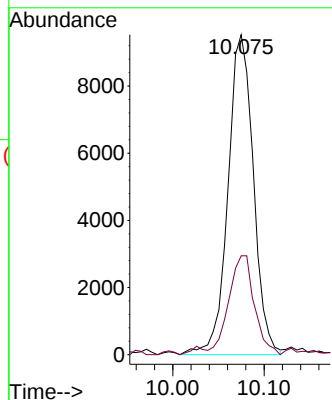
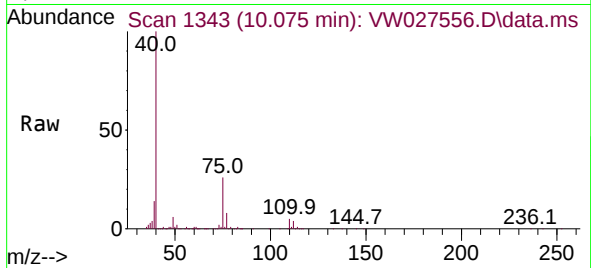
VSTD2.5472

Tgt Ion: 75 Resp: 18448

Ion Ratio Lower Upper

75 100

77 30.9 21.1 39.1



#40

4-Methyl-2-pentanone

Concen: 7.787 ug/L

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

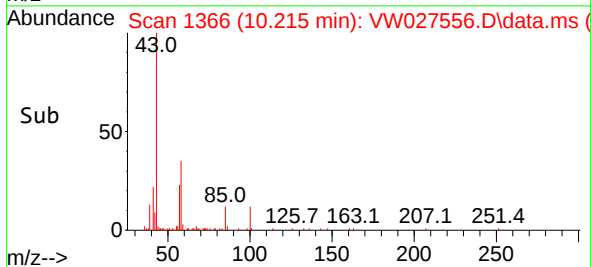
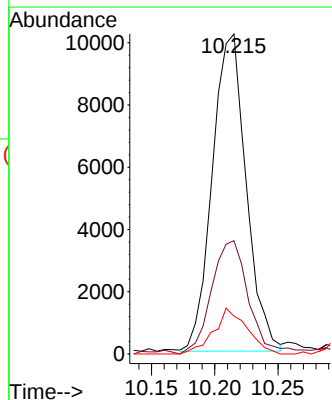
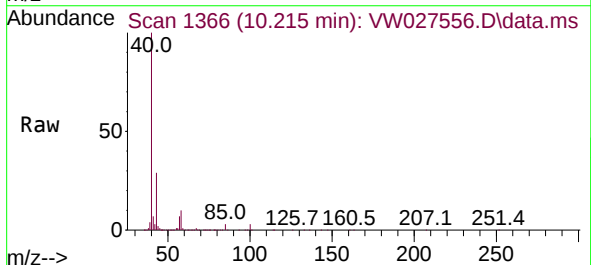
Tgt Ion: 43 Resp: 18981

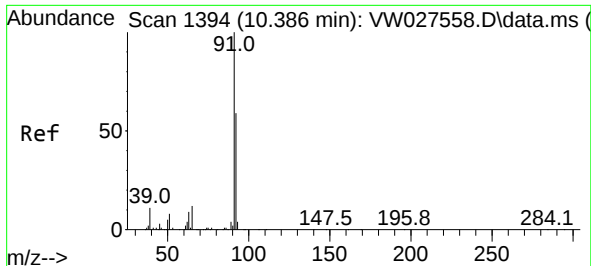
Ion Ratio Lower Upper

43 100

58 39.3 29.6 44.4

100 14.2 11.1 16.7

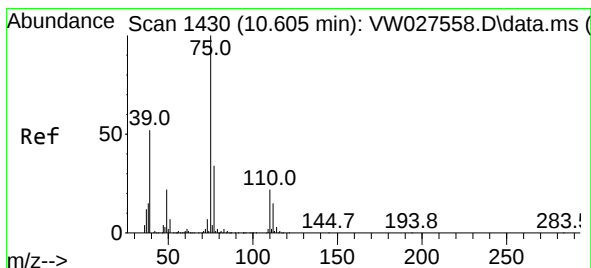
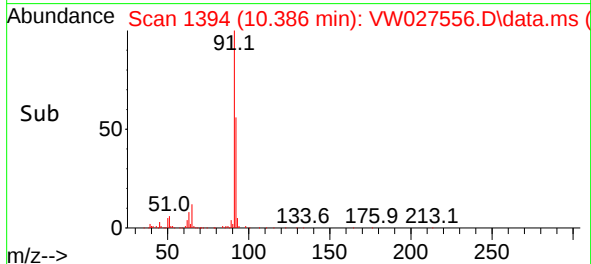
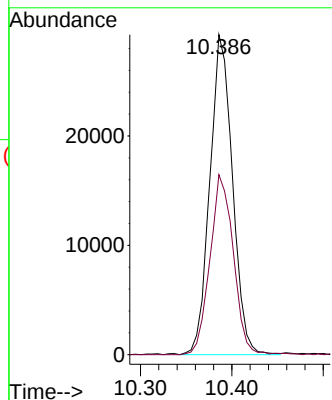
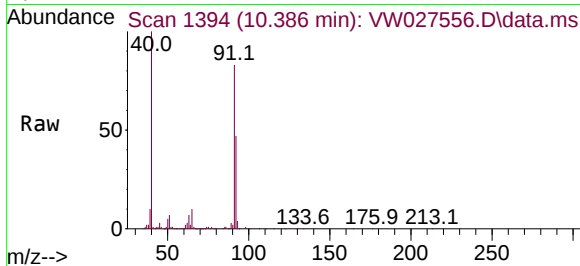




#42
Toluene
Concen: 2.726 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

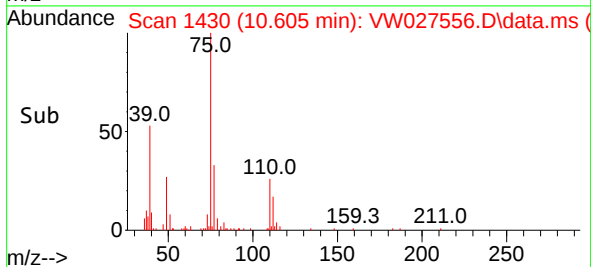
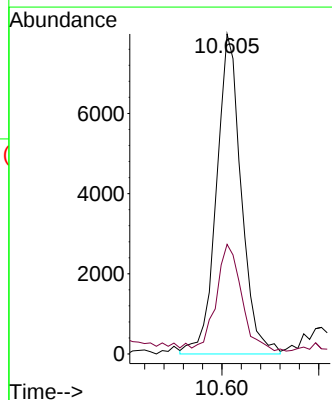
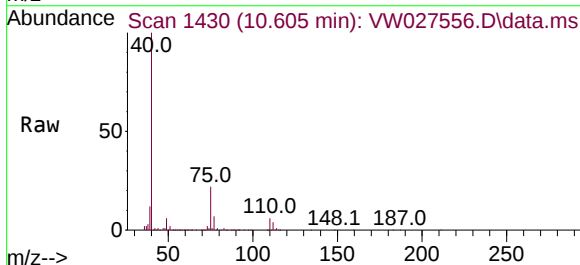
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

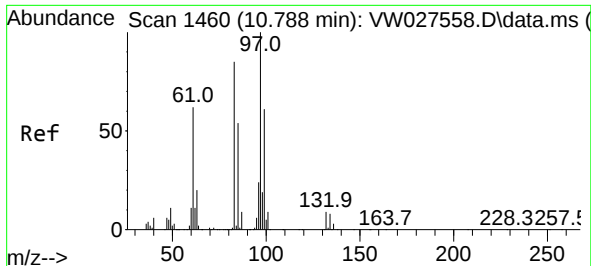
Tgt Ion: 91 Resp: 50298
Ion Ratio Lower Upper
91 100
92 56.3 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 2.686 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 75 Resp: 14173
Ion Ratio Lower Upper
75 100
77 34.2 23.7 44.1





#45

1,1,2-Trichloroethane

Concen: 3.240 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5472

Tgt Ion: 97 Resp: 9507

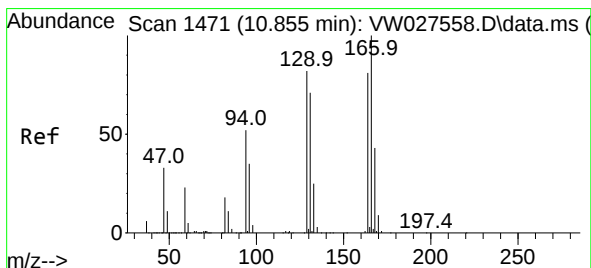
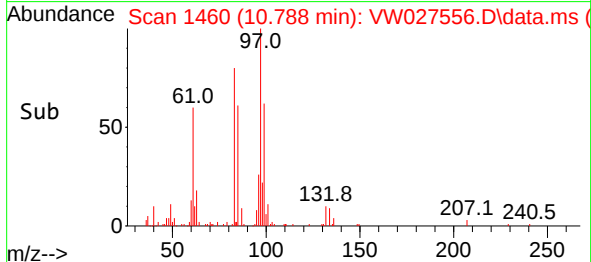
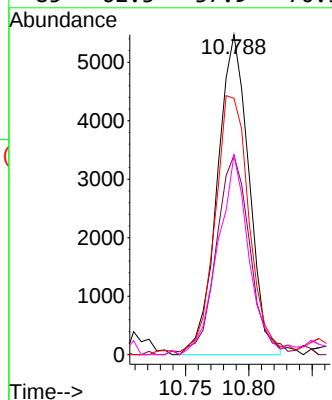
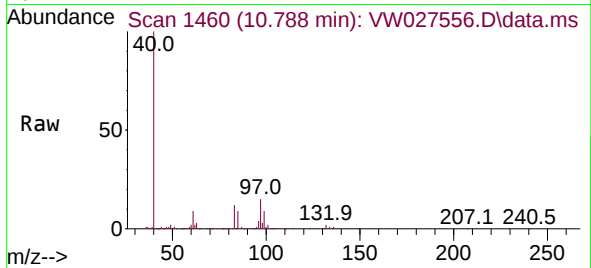
Ion Ratio Lower Upper

97 100

99 62.3 42.8 79.4

83 80.2 59.9 111.3

85 62.3 37.9 70.5



#46

Tetrachloroethene

Concen: 3.009 ug/L

RT: 10.867 min Scan# 1473

Delta R.T. 0.012 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Tgt Ion:164 Resp: 10032

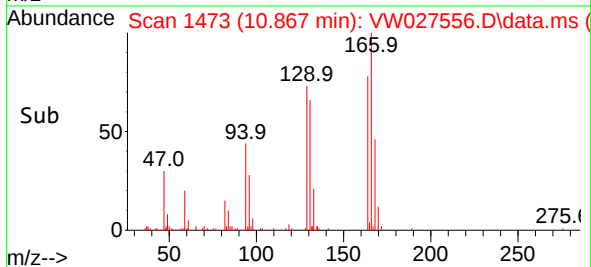
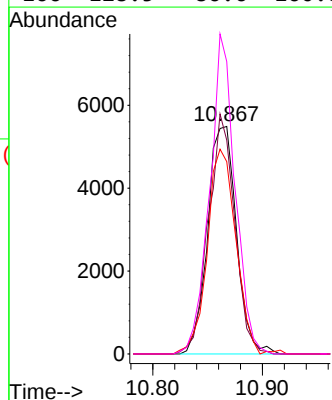
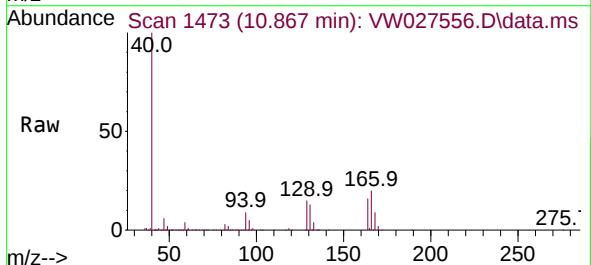
Ion Ratio Lower Upper

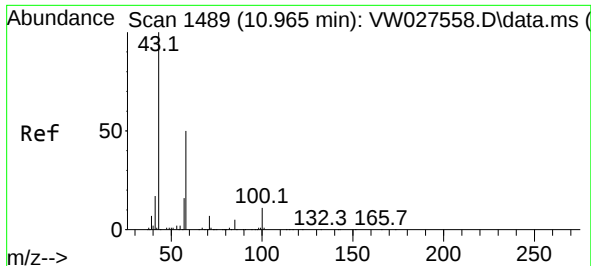
164 100

129 93.9 71.0 131.8

131 84.5 61.2 113.6

166 128.5 86.6 160.8

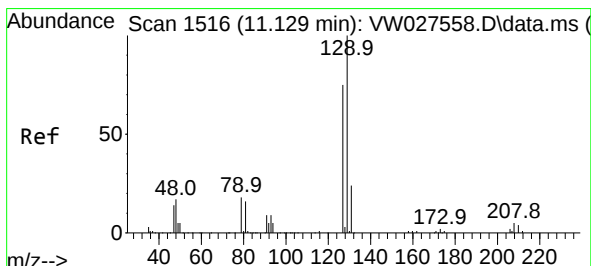
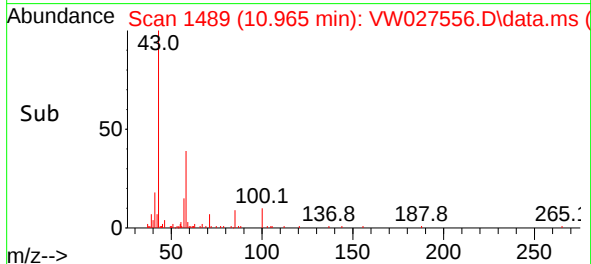
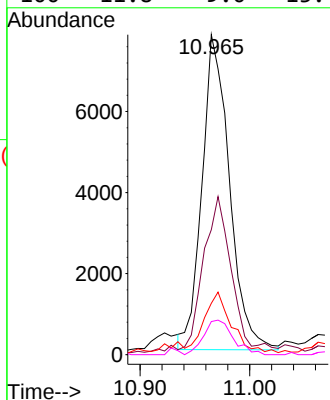
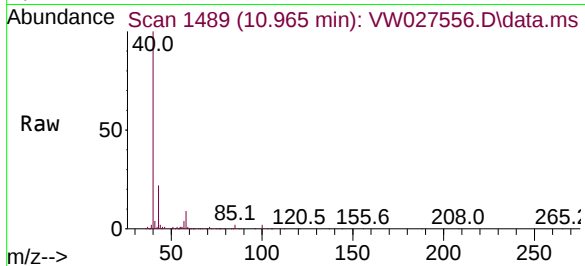




#48
2-Hexanone
Concen: 7.388 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

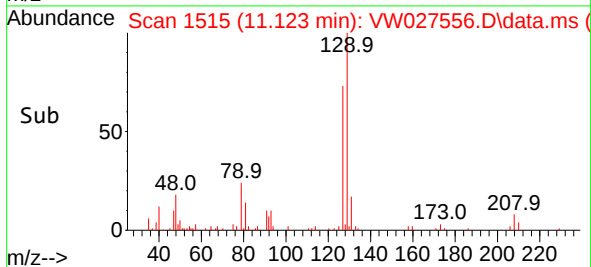
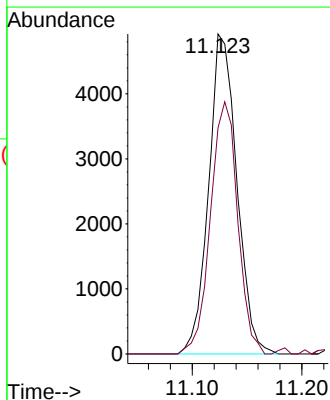
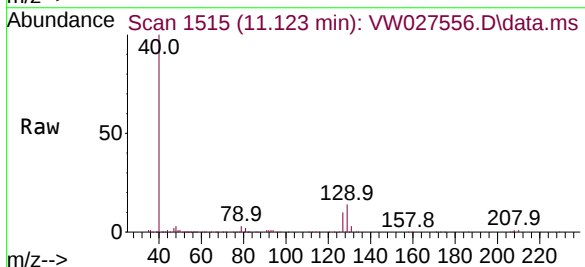
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

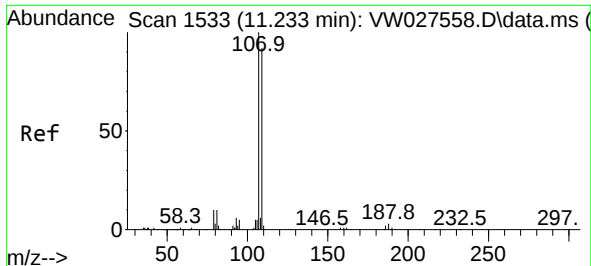
Tgt Ion: 43	Resp: 13554
Ion Ratio	Lower Upper
43 100	
58 50.7	40.8 61.2
57 18.6	14.8 22.2
100 11.8	9.0 13.4



#49
Dibromochloromethane
Concen: 2.962 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion:129	Resp:	8795	
Ion	Ratio	Lower	Upper
129	100		
127	70.7	52.3	97.1

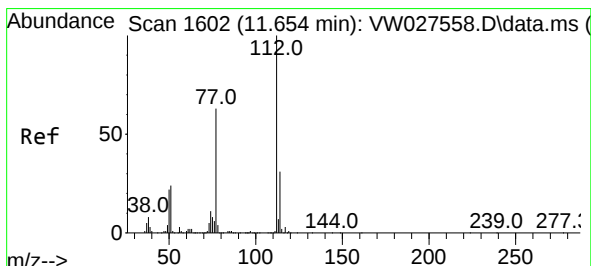
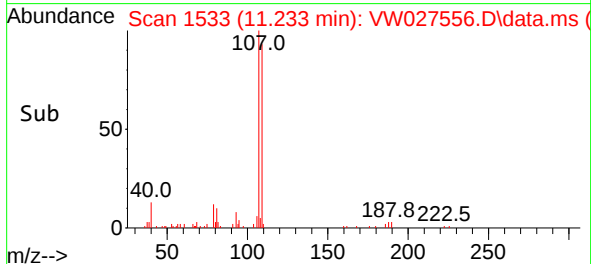
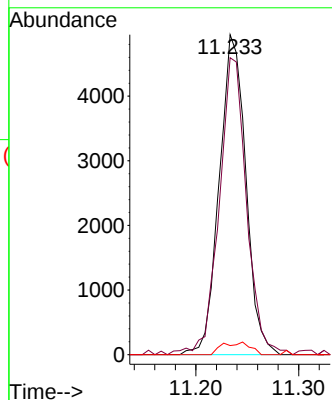
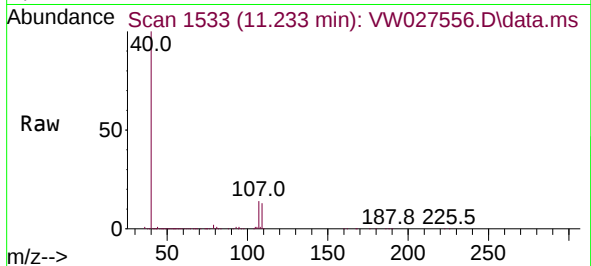




#50
1,2-Dibromoethane
Concen: 3.299 ug/L
RT: 11.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

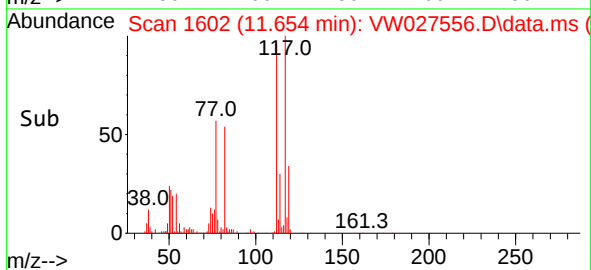
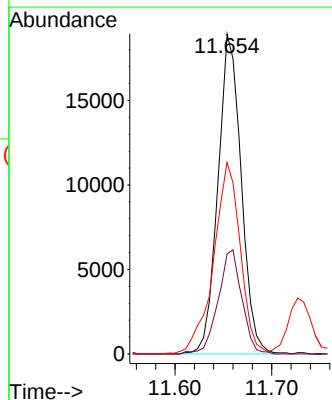
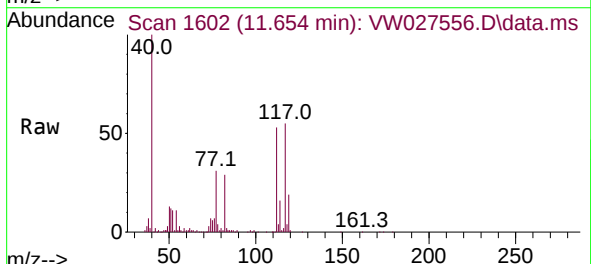
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

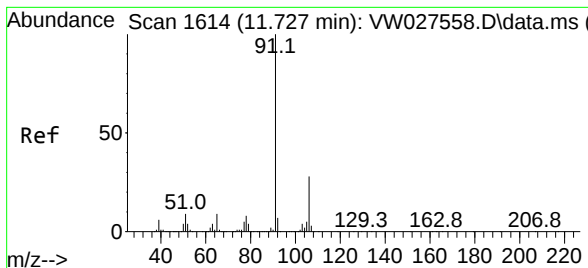
Tgt Ion:107 Resp: 8885
Ion Ratio Lower Upper
107 100
109 92.8 64.8 120.3
188 2.8 2.7 4.1



#51
Chlorobenzene
Concen: 2.827 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion:112 Resp: 31648
Ion Ratio Lower Upper
112 100
114 31.2 21.5 39.9
77 59.9 50.6 76.0

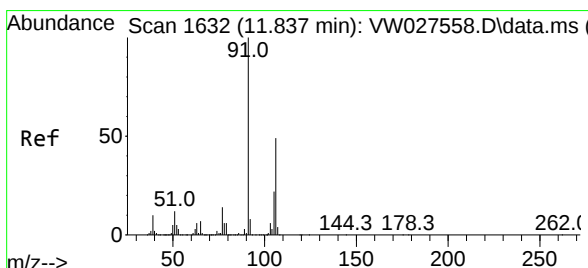
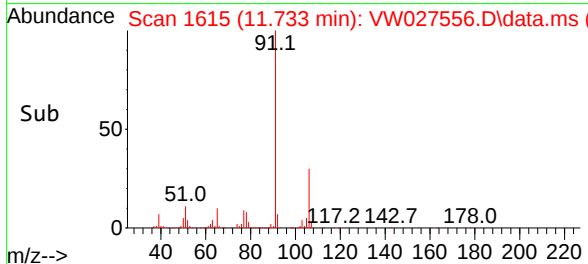
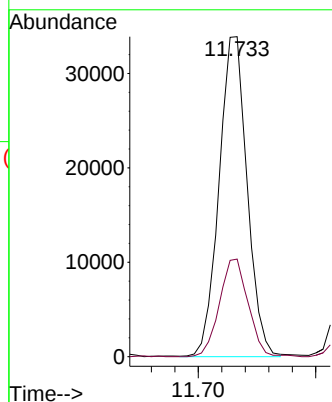
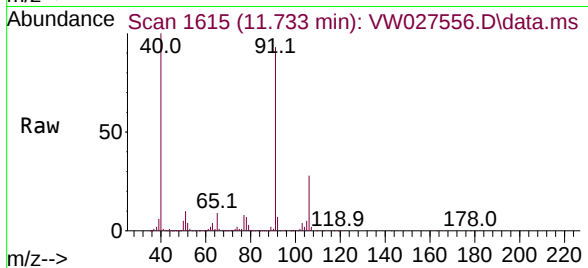




#52
Ethylbenzene
Concen: 2.682 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

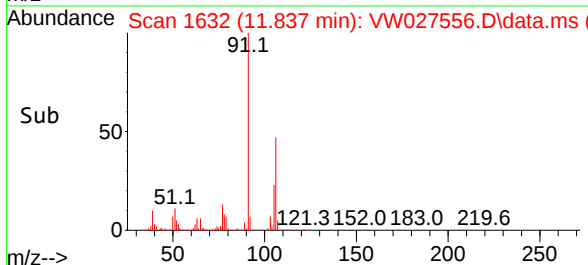
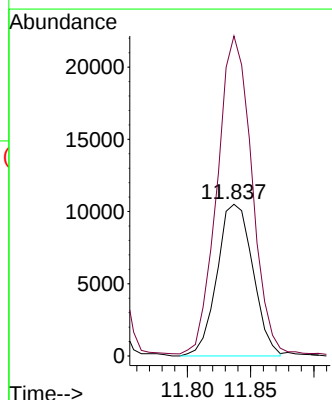
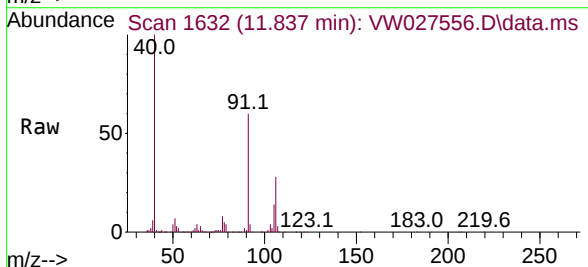
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

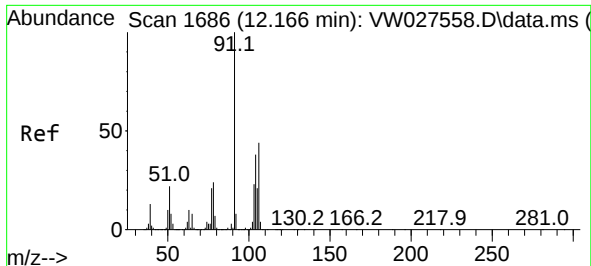
Tgt Ion: 91 Resp: 56427
Ion Ratio Lower Upper
91 100
106 30.5 19.5 36.1



#53
m,p-Xylene
Concen: 2.680 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 106 Resp: 20666
Ion Ratio Lower Upper
106 100
91 210.9 142.1 263.9

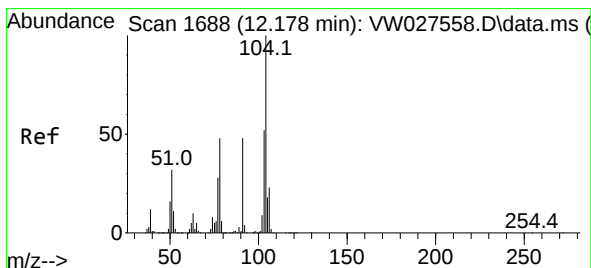
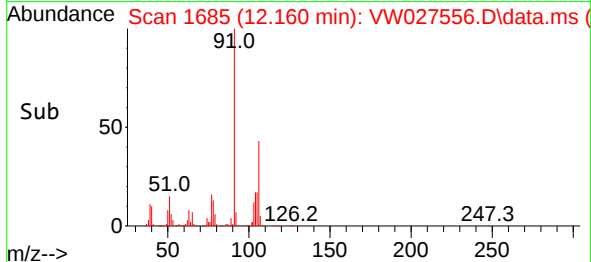
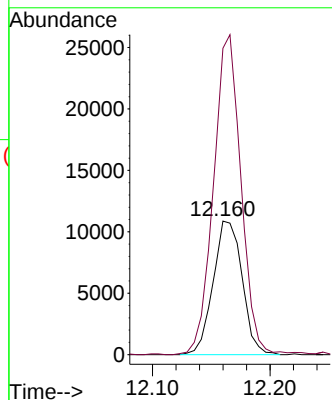
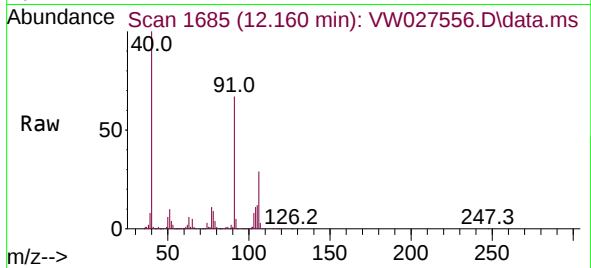




#54
o-Xylene
Concen: 2.582 ug/L
RT: 12.160 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

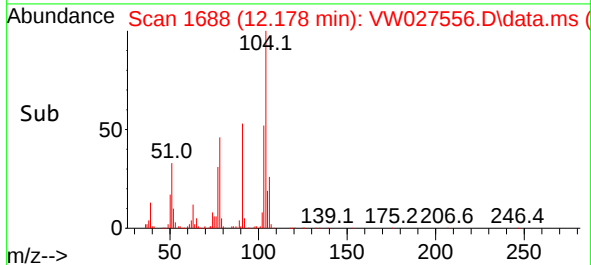
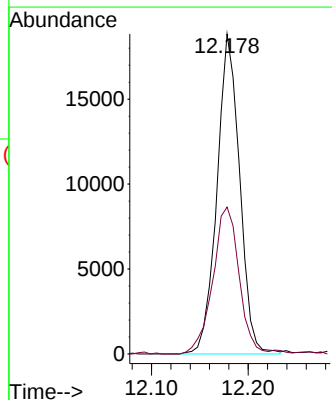
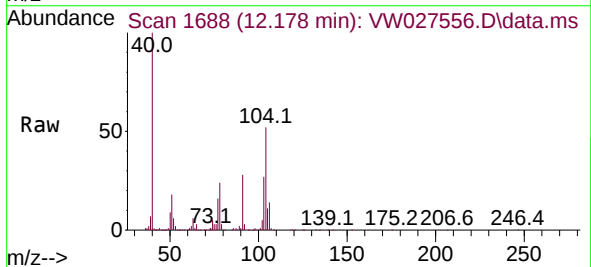
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

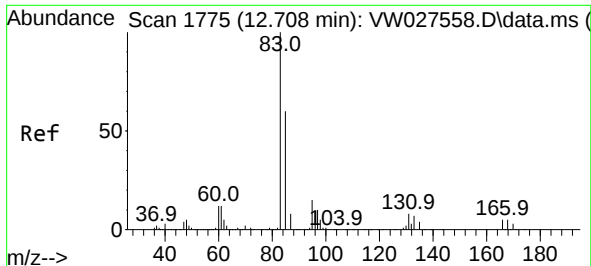
Tgt Ion:106 Resp: 18653
Ion Ratio Lower Upper
106 100
91 229.3 158.8 295.0



#55
Styrene
Concen: 2.509 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion:104 Resp: 30666
Ion Ratio Lower Upper
104 100
78 45.9 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 3.621 ug/L

RT: 12.715 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5472

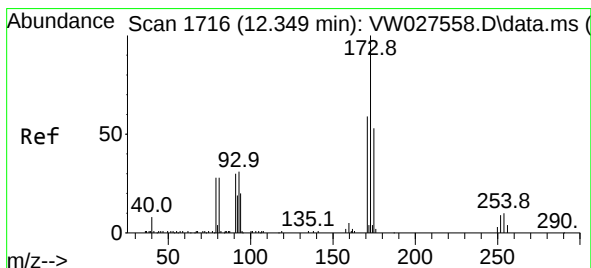
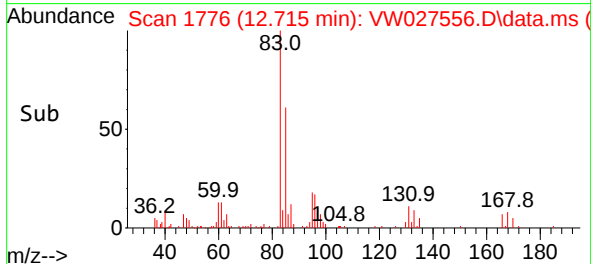
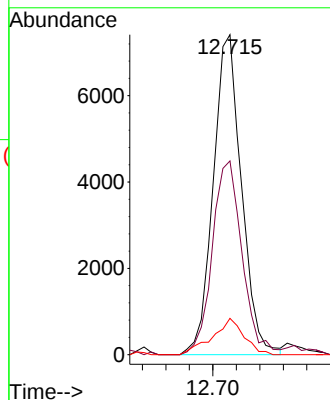
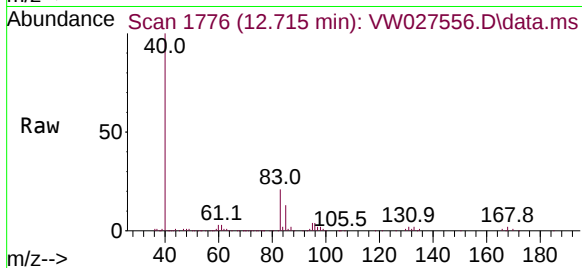
Tgt Ion: 83 Resp: 12373

Ion Ratio Lower Upper

83 100

85 60.6 41.9 77.7

131 11.3 7.0 10.6#



#59

Bromoform

Concen: 2.827 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

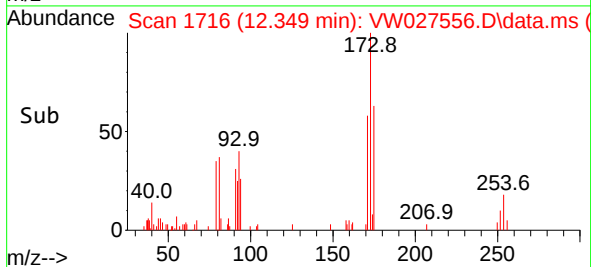
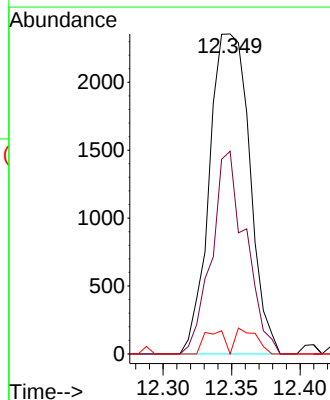
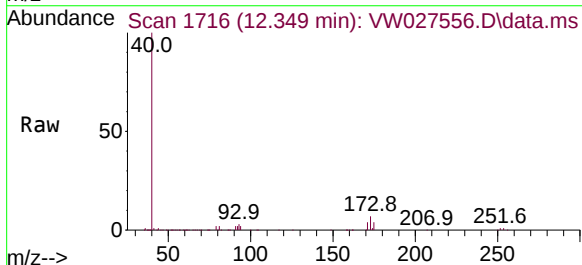
Tgt Ion: 173 Resp: 4820

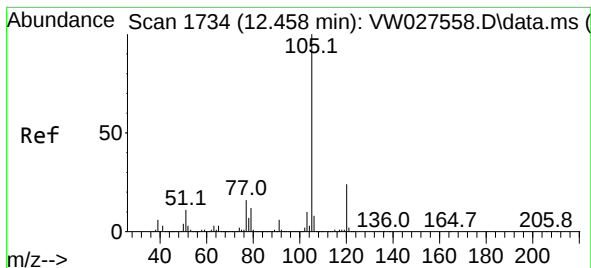
Ion Ratio Lower Upper

173 100

175 53.5 39.4 59.0

254 4.2 7.8 11.8#





#60

Isopropylbenzene

Concen: 2.350 ug/L

RT: 12.465 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5472

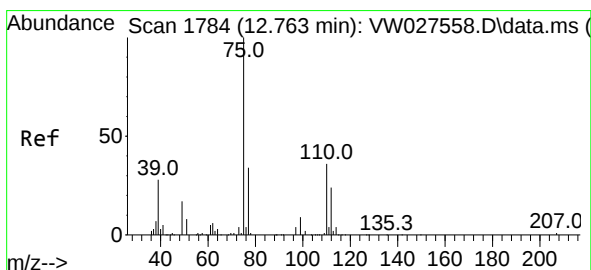
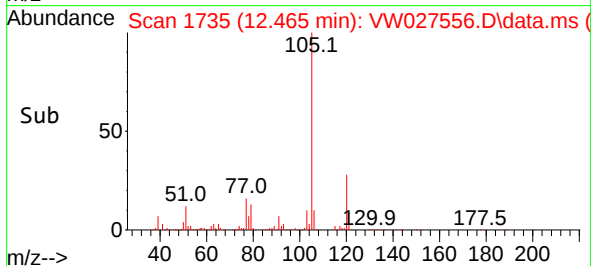
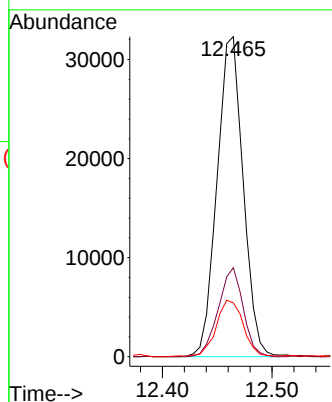
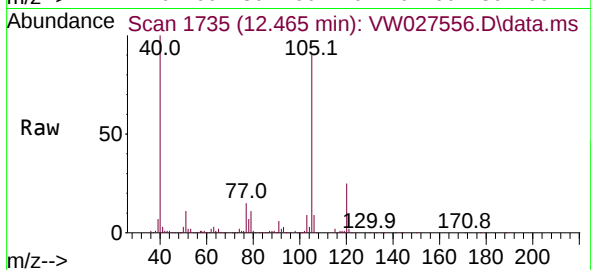
Tgt Ion:105 Resp: 53565

Ion Ratio Lower Upper

105 100

120 26.4 20.3 30.5

77 18.3 13.1 19.7



#61

1,2,3-Trichloropropane

Concen: 3.496 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

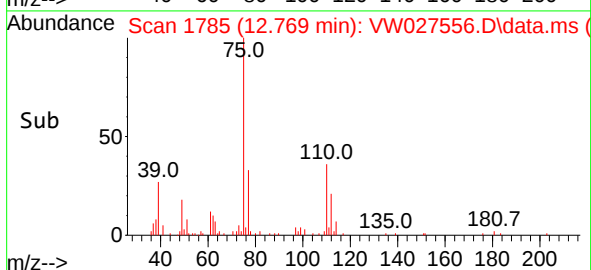
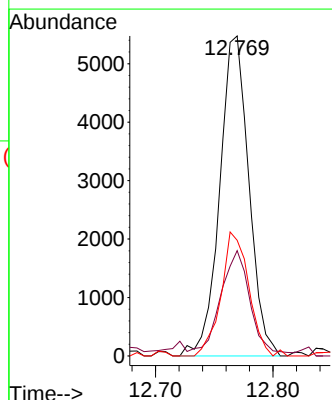
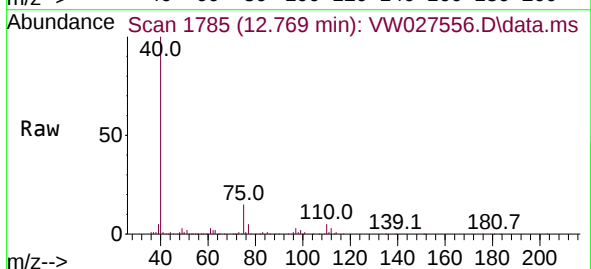
Tgt Ion: 75 Resp: 9471

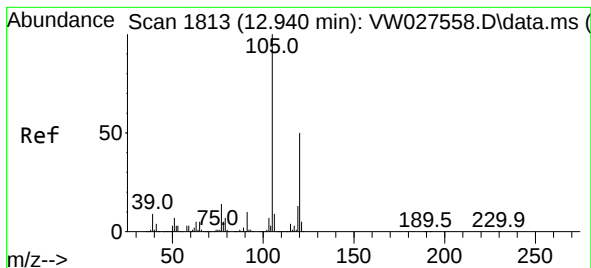
Ion Ratio Lower Upper

75 100

77 34.2 26.6 39.8

110 36.5 30.2 45.4

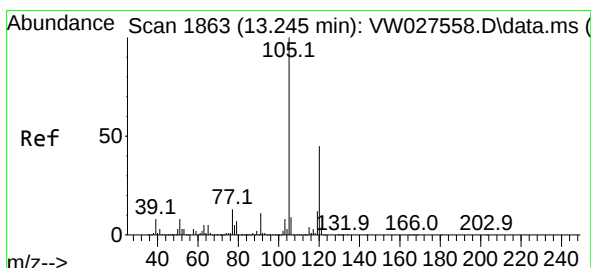
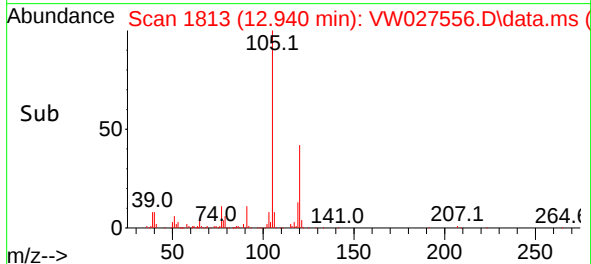
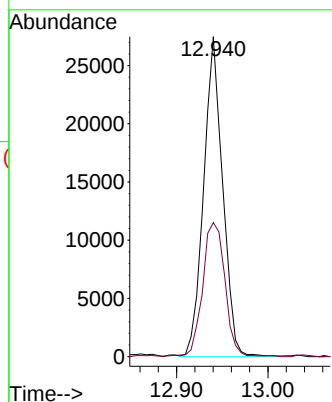
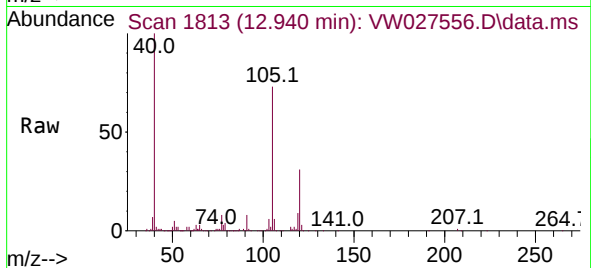




#62
1,3,5-Trimethylbenzene
Concen: 2.327 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

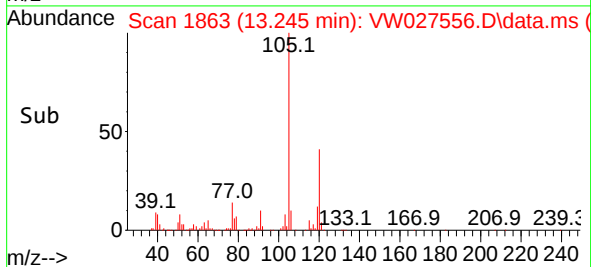
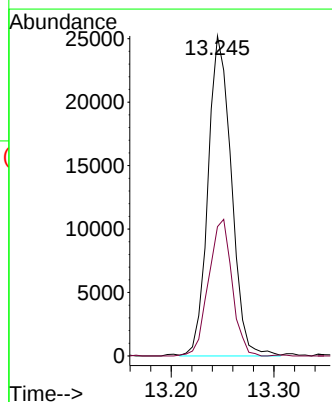
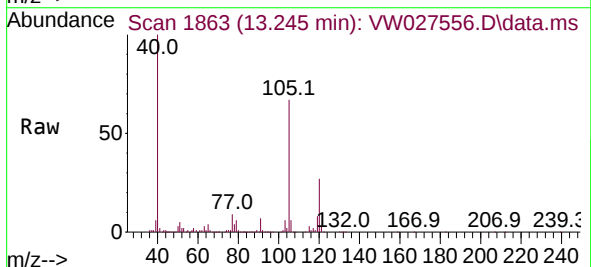
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

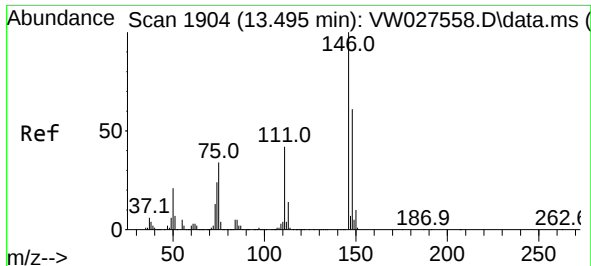
Tgt Ion:105 Resp: 39729
Ion Ratio Lower Upper
105 100
120 48.4 38.7 58.1



#63
1,2,4-Trimethylbenzene
Concen: 2.300 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion:105 Resp: 39881
Ion Ratio Lower Upper
105 100
120 42.9 36.9 55.3

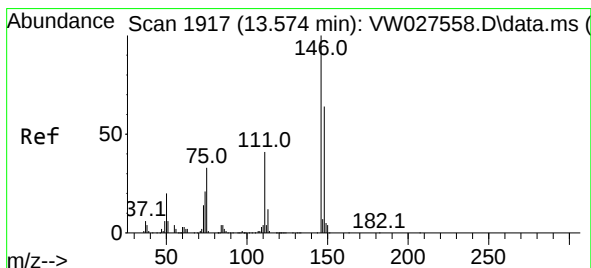
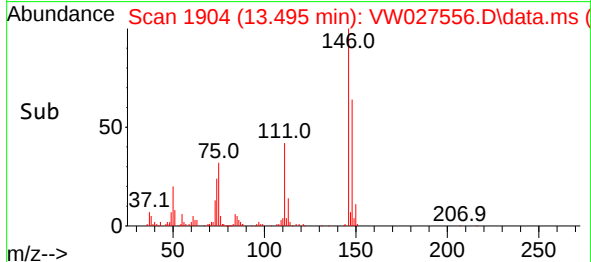
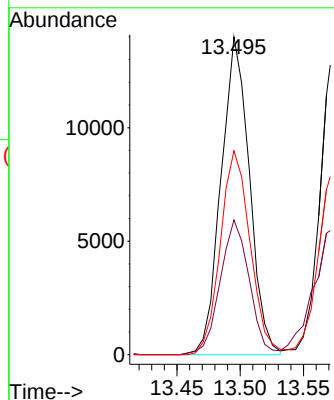
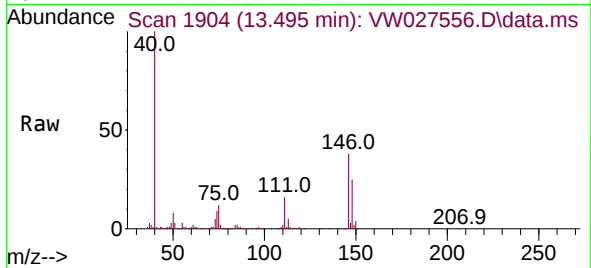




#64
1,3-Dichlorobenzene
Concen: 2.448 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

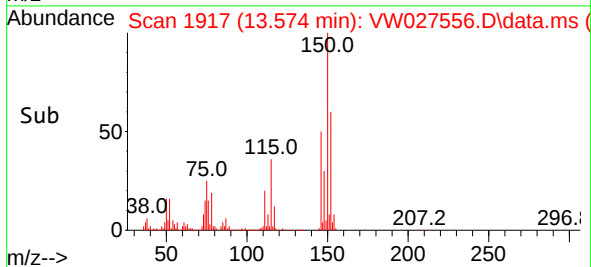
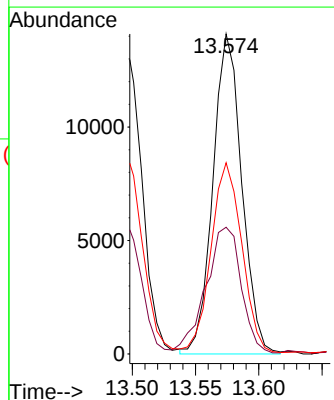
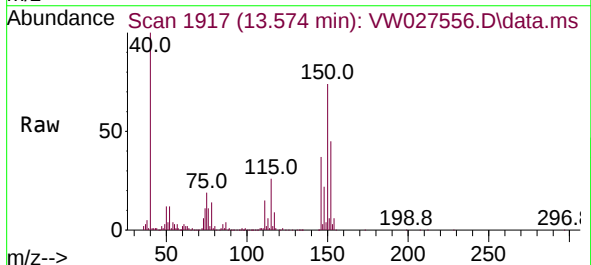
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

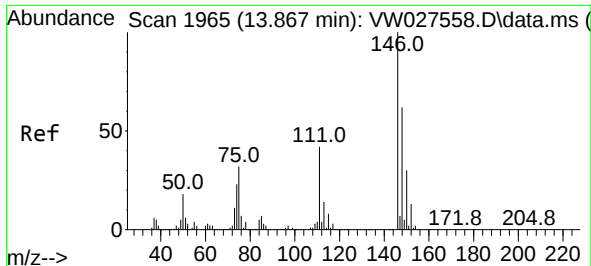
Tgt Ion:146 Resp: 21823
Ion Ratio Lower Upper
146 100
111 42.4 29.5 54.7
148 64.1 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 2.503 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion:146 Resp: 22369
Ion Ratio Lower Upper
146 100
111 39.6 28.9 53.7
148 59.8 44.9 83.5

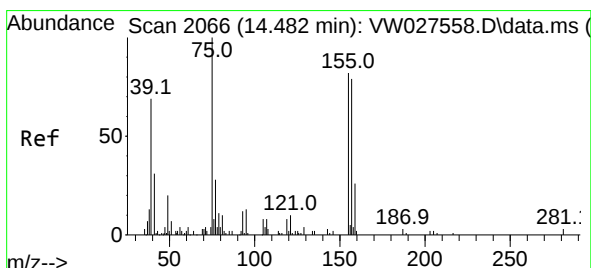
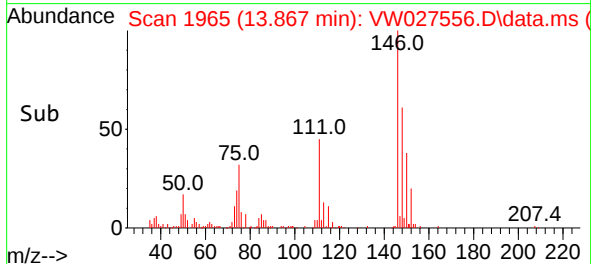
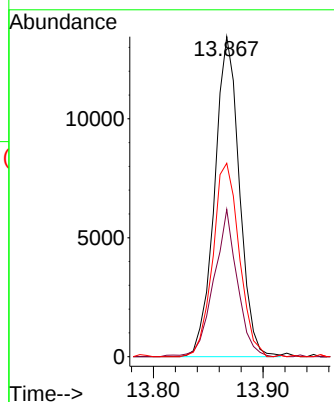
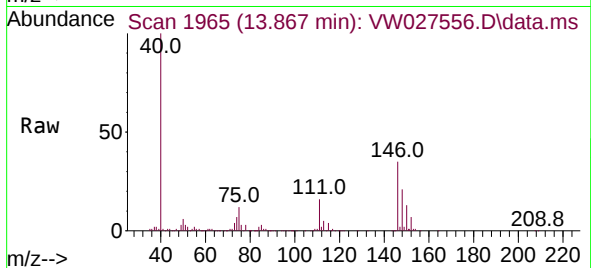




#67
1,2-Dichlorobenzene
Concen: 2.709 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

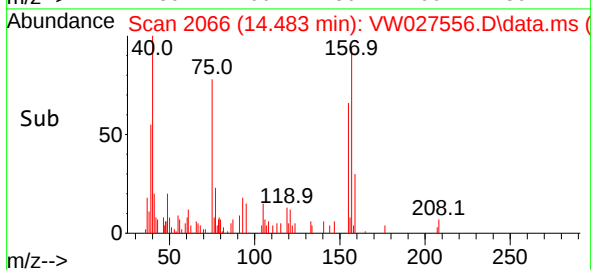
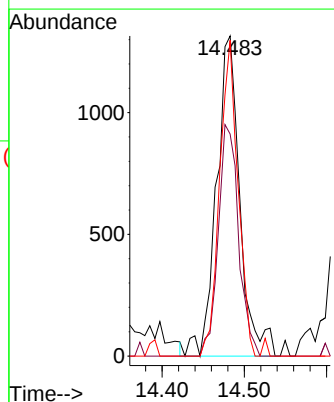
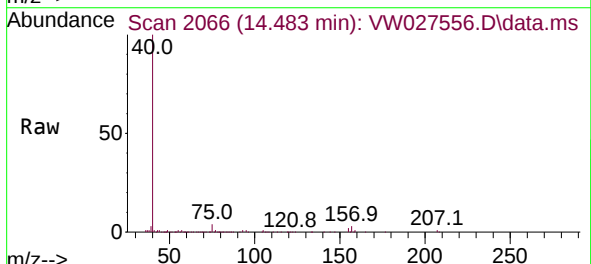
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5472

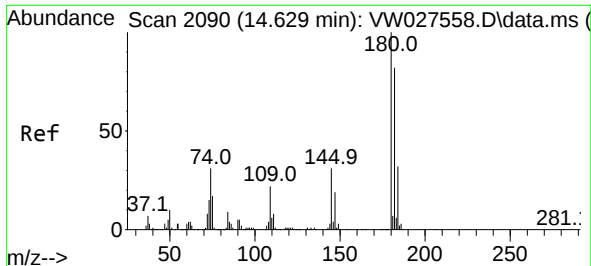
Tgt Ion:146 Resp: 21141
Ion Ratio Lower Upper
146 100
111 46.0 33.9 50.9
148 60.4 49.5 74.3



#68
1,2-Dibromo-3-chloropropane
Concen: 4.284 ug/L
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW027556.D
Acq: 06 Dec 2023 09:36

Tgt Ion: 75 Resp: 2597
Ion Ratio Lower Upper
75 100
155 69.4 65.8 98.8
157 98.6 63.0 94.6#





#69

1,3,5-Trichlorobenzene

Concen: 2.550 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5472

Tgt Ion:180 Resp: 14752

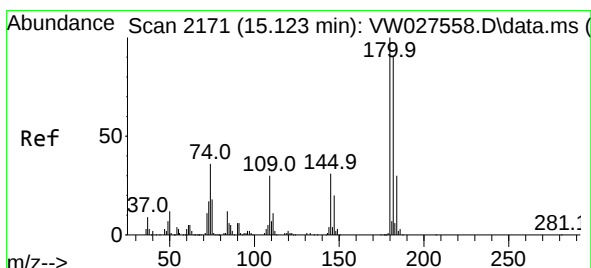
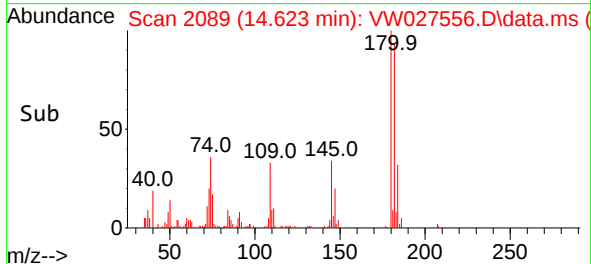
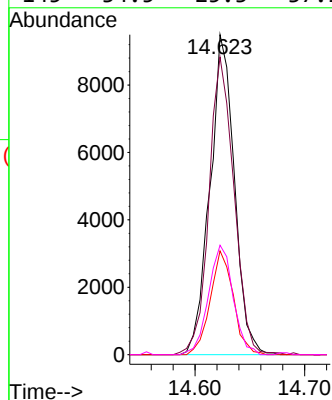
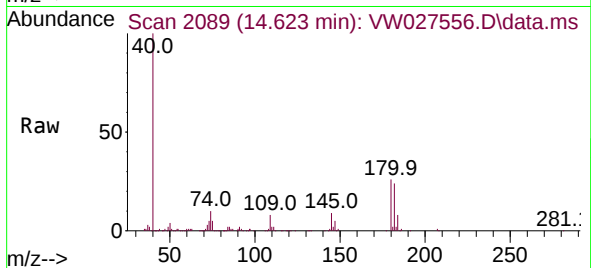
Ion Ratio Lower Upper

180 100

182 94.6 73.2 109.8

184 30.6 25.4 38.2

145 34.5 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 2.632 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

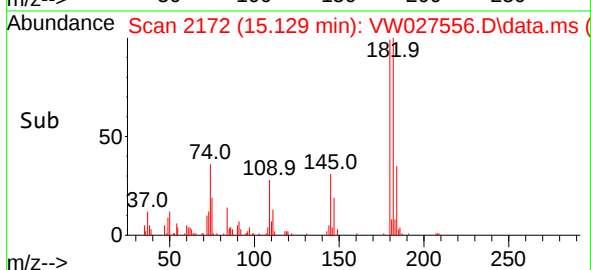
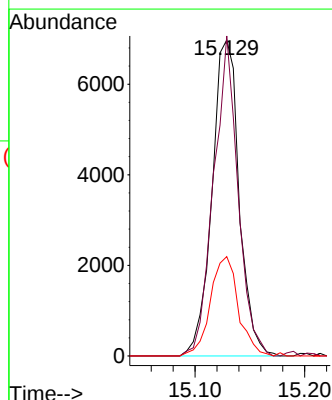
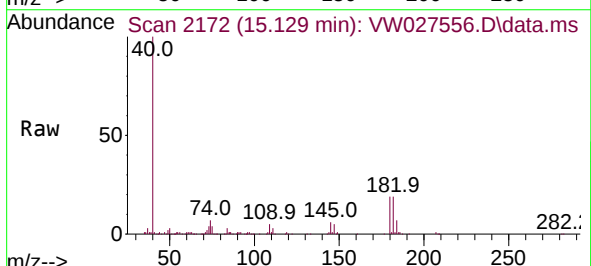
Tgt Ion:180 Resp: 12001

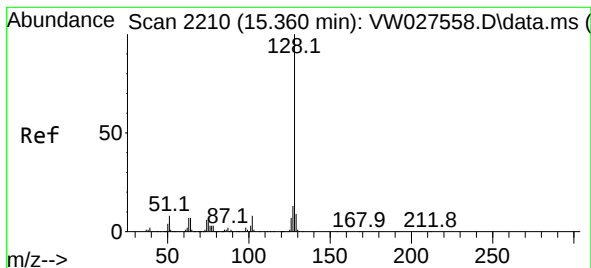
Ion Ratio Lower Upper

180 100

182 91.0 78.7 118.1

145 32.3 26.8 40.2





#71

Naphthalene

Concen: 3.141 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5472

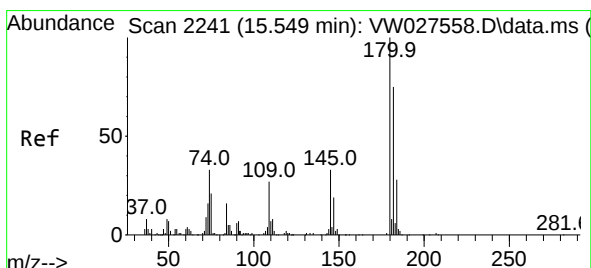
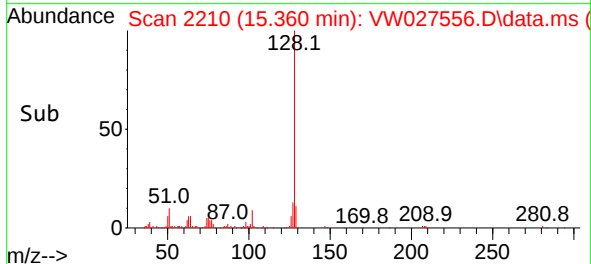
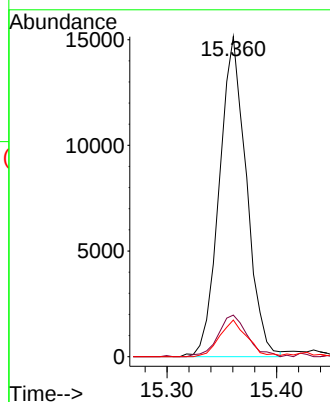
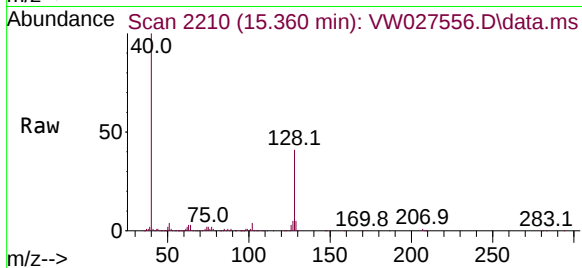
Tgt Ion:128 Resp: 26009

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 11.4 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 2.786 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027556.D

Acq: 06 Dec 2023 09:36

Tgt Ion:180 Resp: 10520

Ion Ratio Lower Upper

180 100

182 98.8 72.4 108.6

145 36.3 27.4 41.0

