

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080124\
 Data File : VD079535.D
 Acq On : 01 Aug 2024 19:40
 Operator : RP/MD
 Sample : P3374-15
 Misc : 6.48G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-847-G1-SO-12.5-13-072024

Quant Time: Aug 02 01:33:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

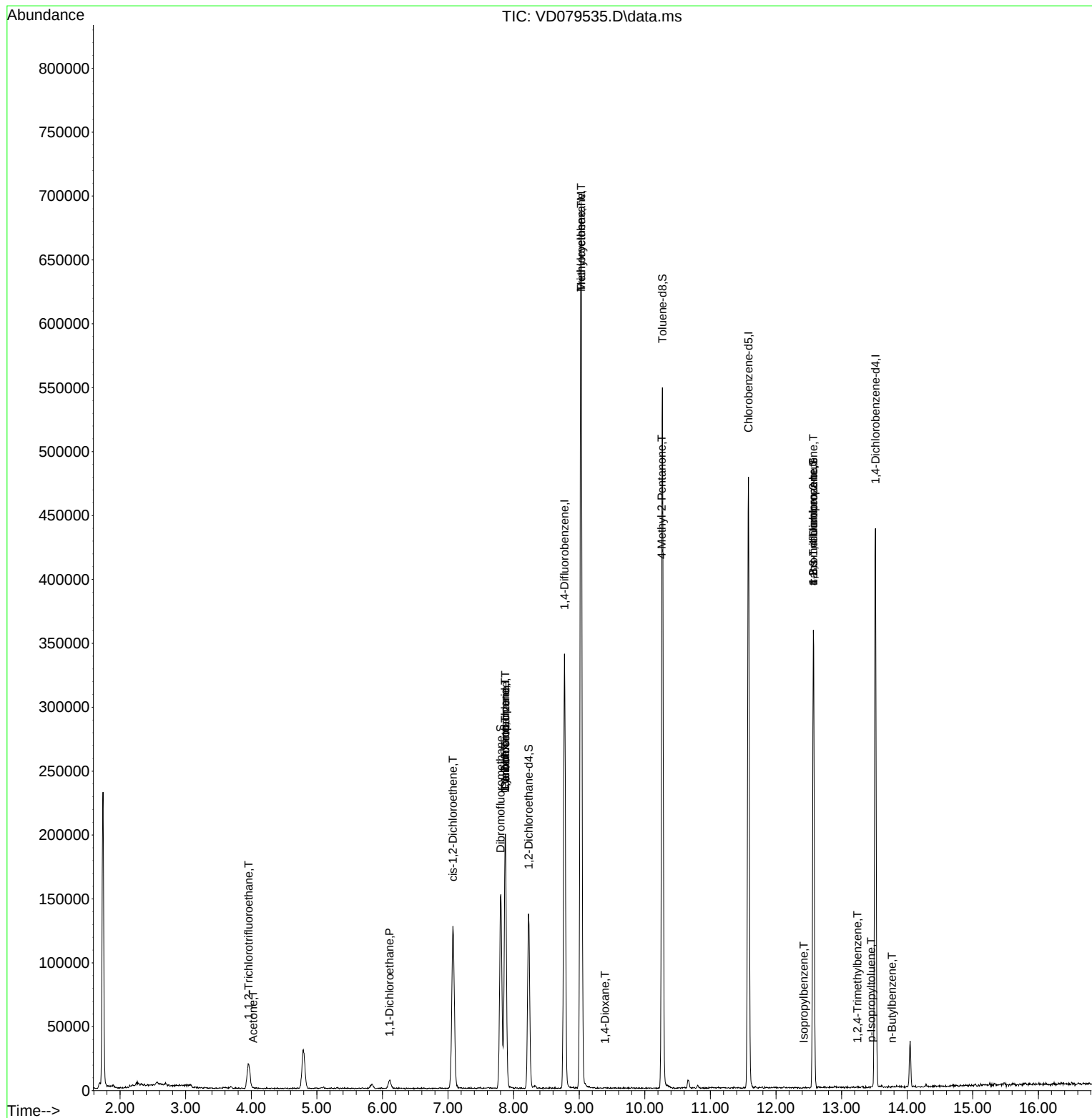
Internal Standards						
1) Pentafluorobenzene	7.875	168	159706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	309433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	293114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	104644	64.497	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.000%
35) Dibromofluoromethane	7.799	113	112325	53.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.260%
50) Toluene-d8	10.269	98	389836	47.931	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.569	95	101195	42.996	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.000%
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	484	Below Cal	#	57
9) 1,1,2-Trichlorotrifluo...	3.958	101	13512	7.836	ug/l	97
16) Acetone	4.028	43	894	2.835	ug/l #	37
20) Methylene Chloride	4.793	84	24593	Below Cal		96
24) 1,1-Dichloroethane	6.105	63	9821	2.891	ug/l	91
27) cis-1,2-Dichloroethene	7.075	96	83277	37.584	ug/l	98
31) Cyclohexane	7.869	56	3413	1.267	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	11988	4.194	ug/l #	47
38) Carbon Tetrachloride	7.875	117	15784	5.252	ug/l #	18
39) Methylcyclohexane	9.028	83	3593	1.053	ug/l #	1
44) Trichloroethene	9.028	130	262198	116.007	ug/l	95
49) 1,4-Dioxane	9.393	88	432	34.036	ug/l #	57
51) 4-Methyl-2-Pentanone	10.257	43	1631	1.450	ug/l #	1
73) Isopropylbenzene	12.422	105	57	3.633	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	52728	46.996	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	52728	89.634	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.240	105	148	3.446	ug/l #	29
86) p-Isopropyltoluene	13.451	119	152	3.902	ug/l #	51
89) n-Butylbenzene	13.769	91	86	3.792	ug/l #	34

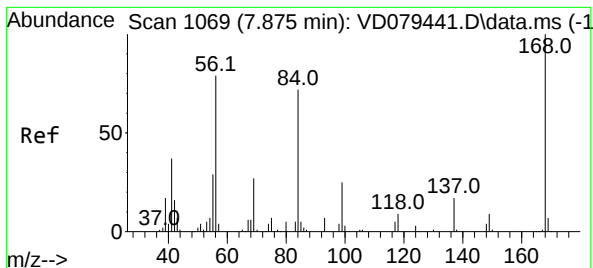
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-847-G1-SO-12.5-13-072024

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration

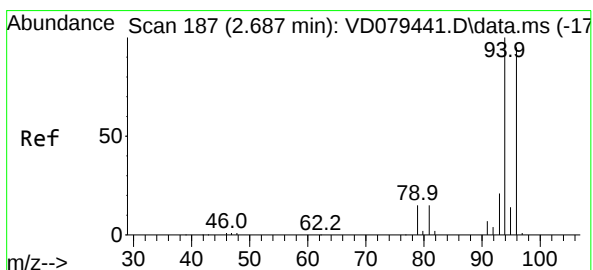
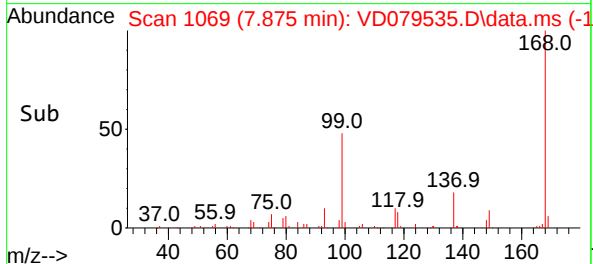
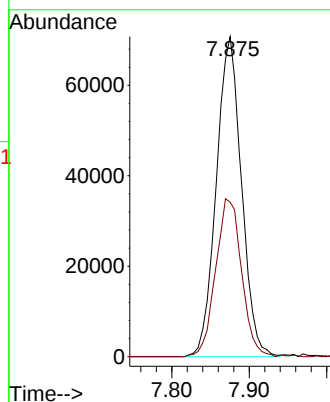
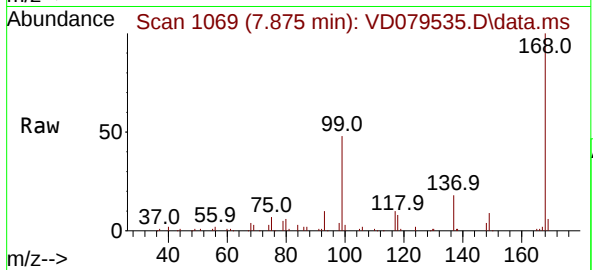




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

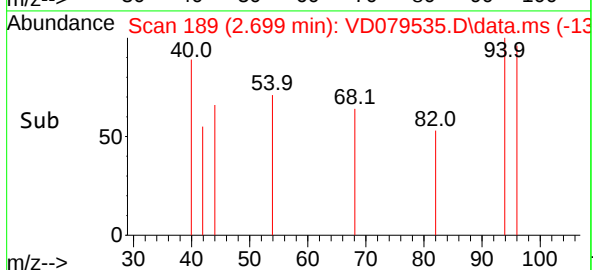
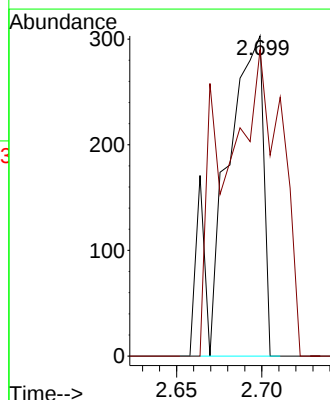
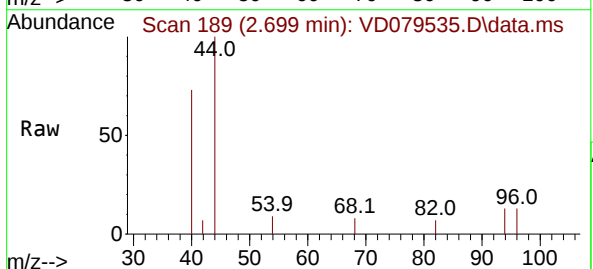
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

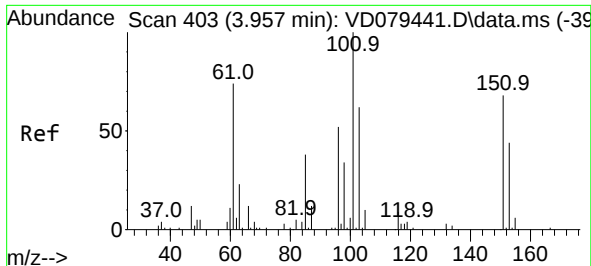
Tgt Ion:168 Resp: 159706
Ion Ratio Lower Upper
168 100
99 48.3 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Tgt Ion: 94 Resp: 484
Ion Ratio Lower Upper
94 100
96 138.4 76.9 115.3#

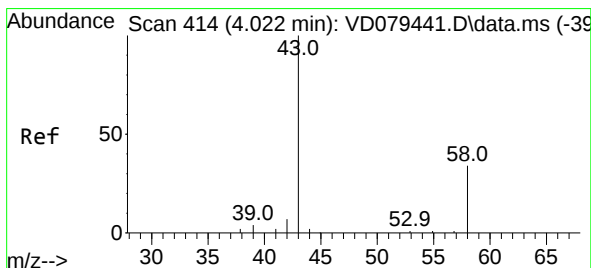
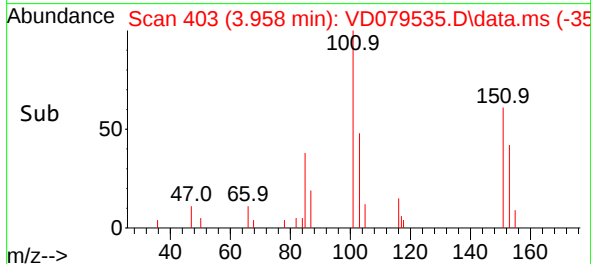
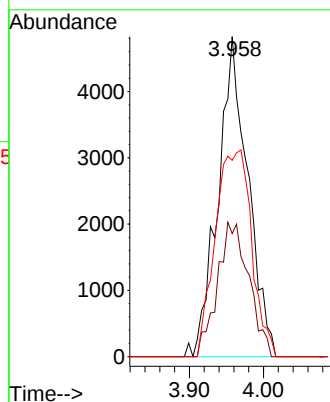
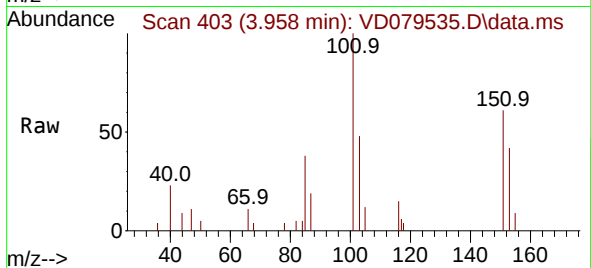




#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.836 ug/l
RT: 3.958 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

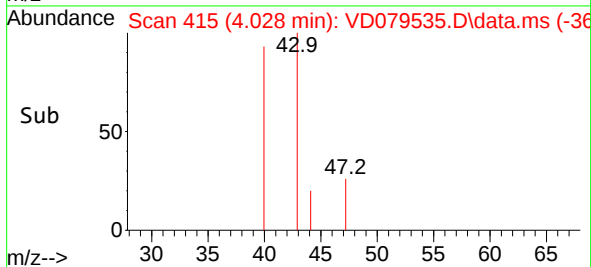
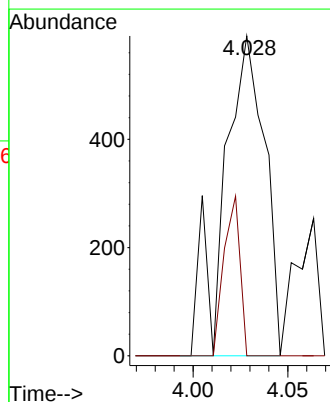
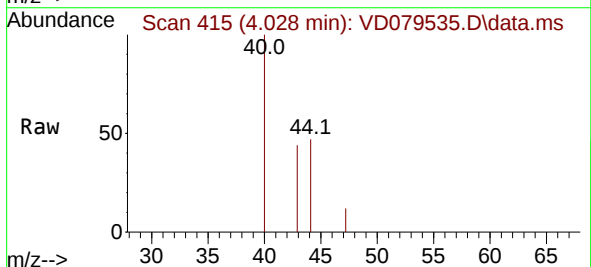
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

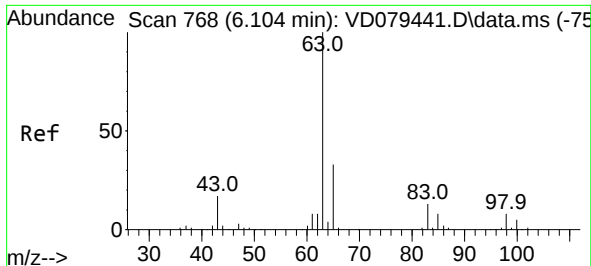
Tgt Ion:101 Resp: 13512
Ion Ratio Lower Upper
101 100
85 44.1 33.5 50.3
151 78.3 60.3 90.5



#16
Acetone
Concen: 2.835 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

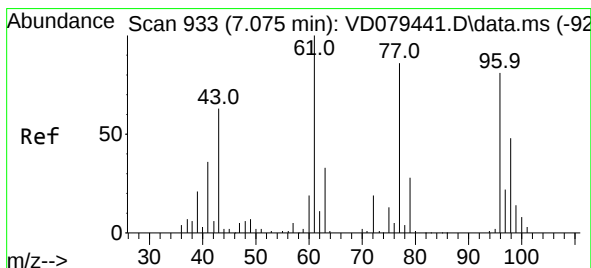
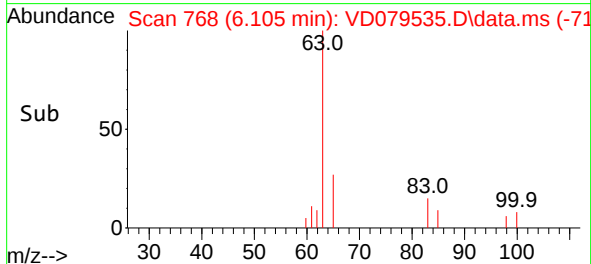
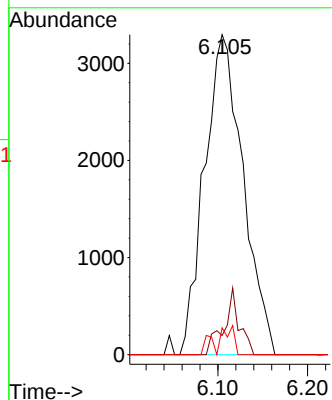
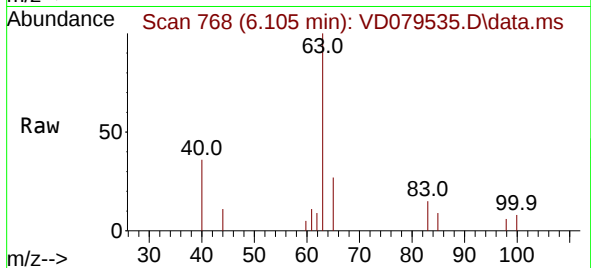




#24
 1,1-Dichloroethane
 Concen: 2.891 ug/l
 RT: 6.105 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: VD079535.D
 Acq: 01 Aug 2024 19:40

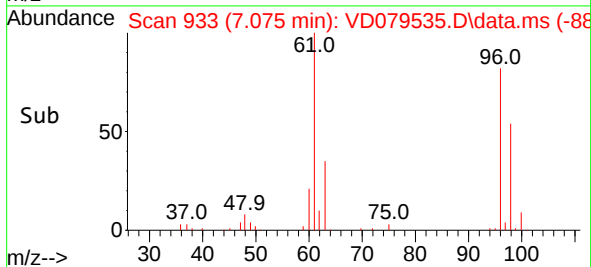
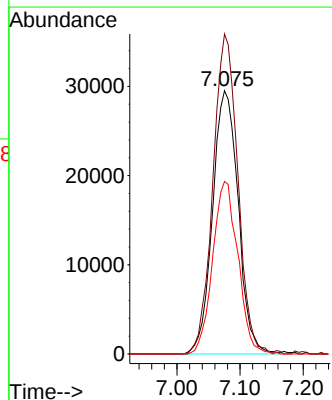
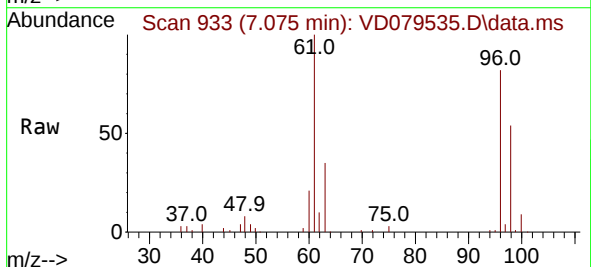
Instrument :
 MSVOA_D
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 S-847-G1-SO-12.5-13-072024

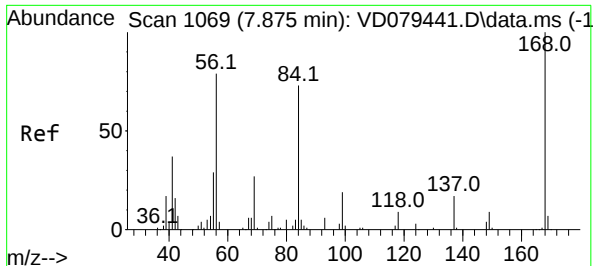
Tgt Ion: 63 Resp: 9821
 Ion Ratio Lower Upper
 63 100
 98 6.0 4.7 14.0
 100 8.4 2.9 8.6



#27
 cis-1,2-Dichloroethene
 Concen: 37.584 ug/l
 RT: 7.075 min Scan# 933
 Delta R.T. 0.000 min
 Lab File: VD079535.D
 Acq: 01 Aug 2024 19:40

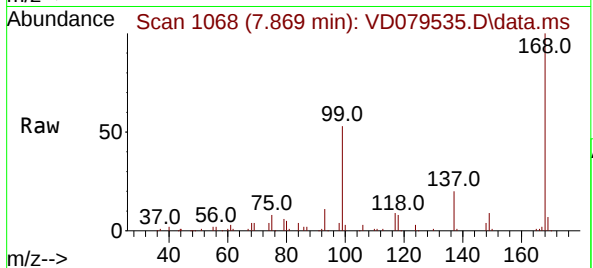
Tgt Ion: 96 Resp: 83277
 Ion Ratio Lower Upper
 96 100
 61 117.5 0.0 229.0
 98 64.4 0.0 127.2



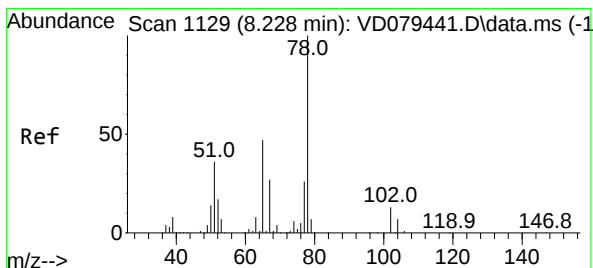
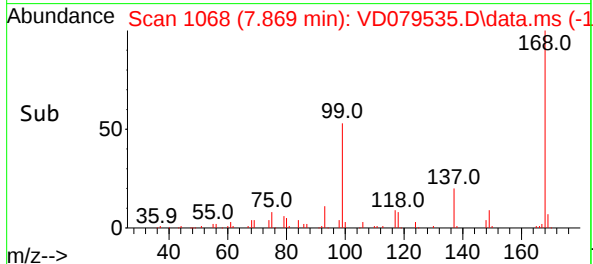
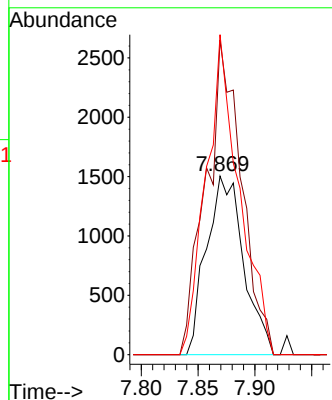


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

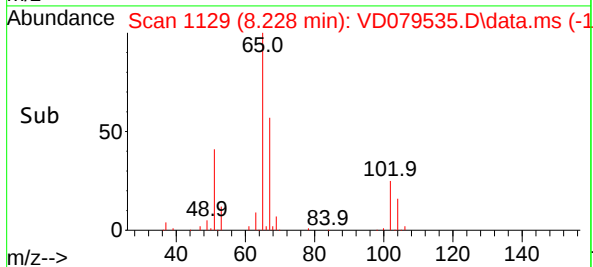
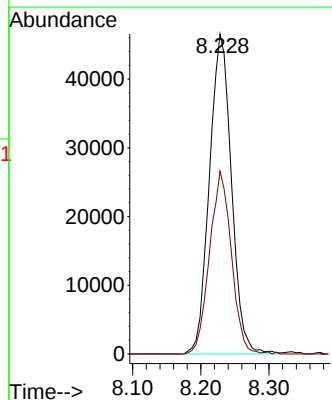
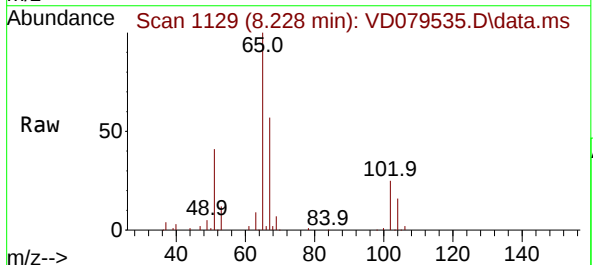


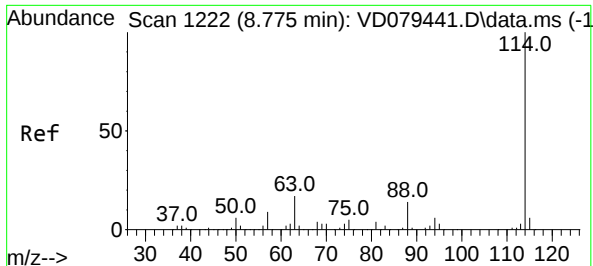
Tgt Ion: 56 Resp: 3413
Ion Ratio Lower Upper
56 100
69 176.3 28.0 42.0#
84 179.3 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 64.497 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Tgt Ion: 65 Resp: 104644
Ion Ratio Lower Upper
65 100
67 56.6 0.0 111.0

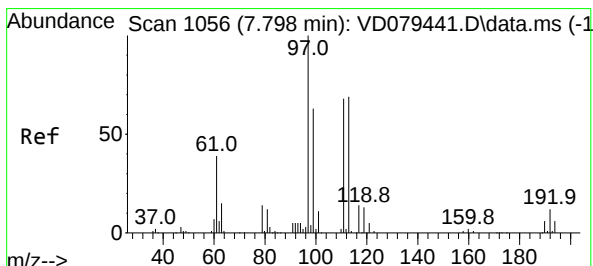
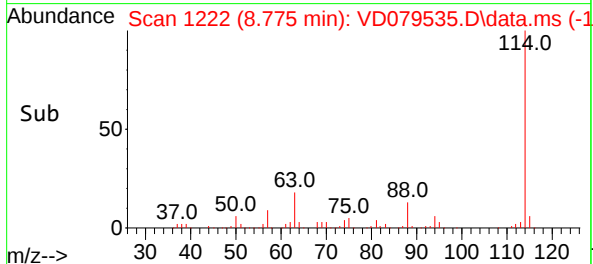
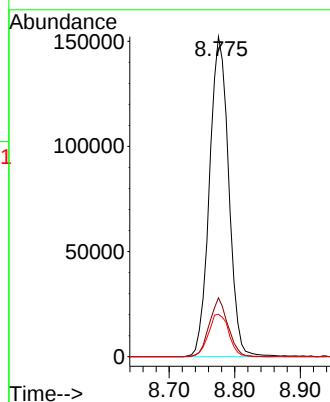
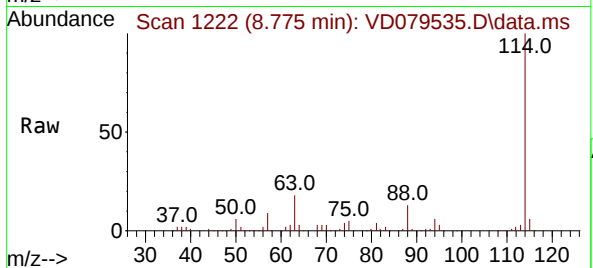




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

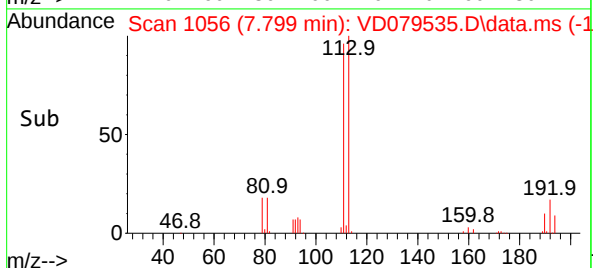
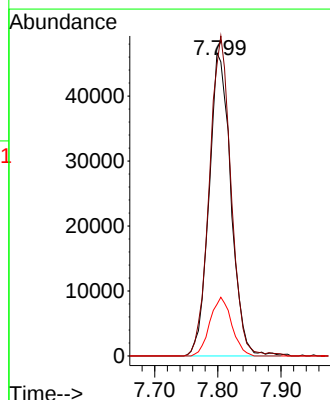
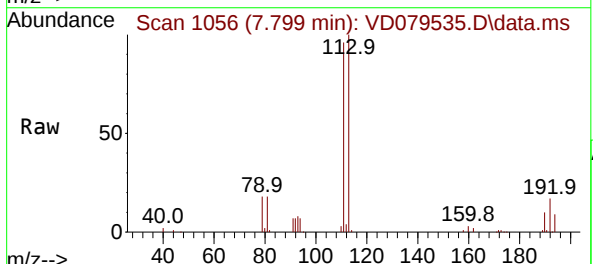
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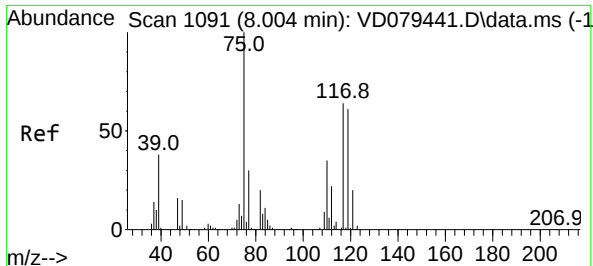
Tgt Ion:114 Resp: 309433
Ion Ratio Lower Upper
114 100
63 18.4 0.0 34.0
88 13.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.631 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Tgt Ion:113 Resp: 112325
Ion Ratio Lower Upper
113 100
111 104.0 84.0 126.0
192 19.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.194 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079535.D

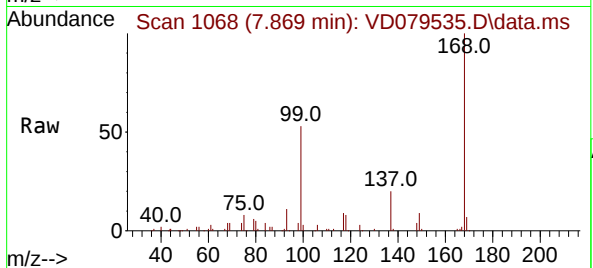
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Instrument :

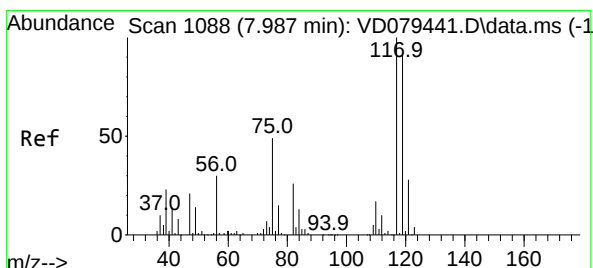
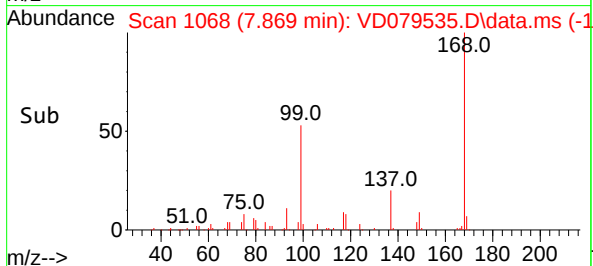
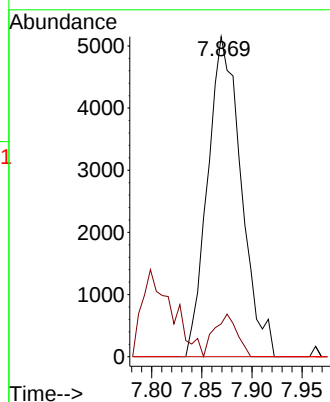
MSVOA_D

ClientSampleId :

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Tgt Ion:	75	Resp:	11988
Ion Ratio	100	Lower	Upper
110	9.0	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 5.252 ug/l

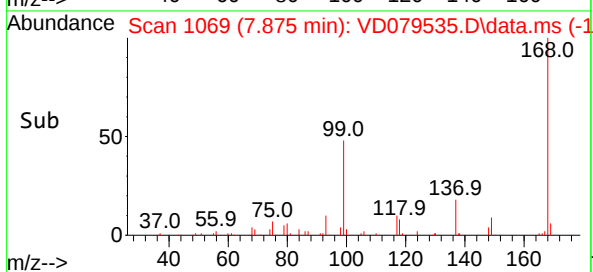
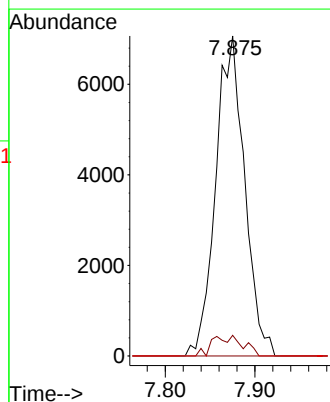
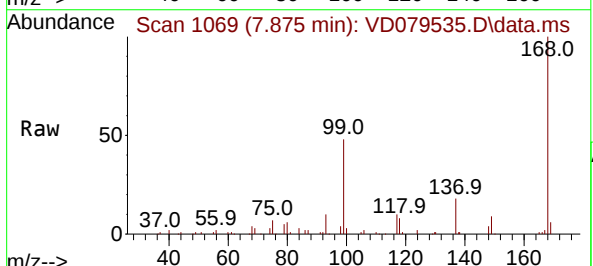
RT: 7.875 min Scan# 1069

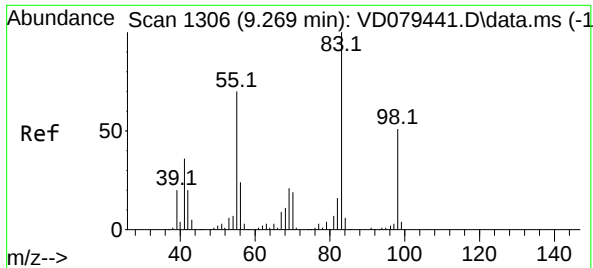
Delta R.T. -0.112 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

Tgt Ion:	117	Resp:	15784
Ion Ratio	100	Lower	Upper
119	6.5	75.4	113.0#
121	0.0	25.0	37.4#





#39

Methylcyclohexane

Concen: 1.053 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.247 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-12.5-13-072024

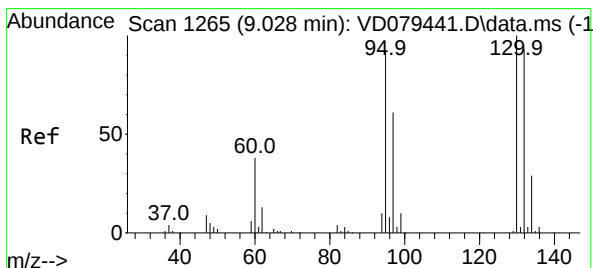
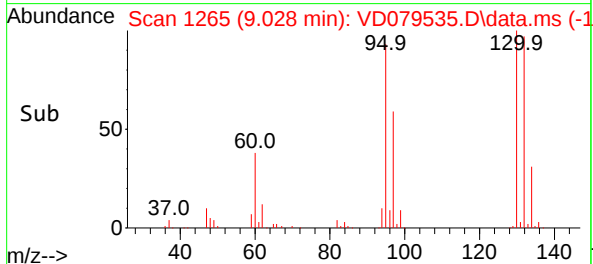
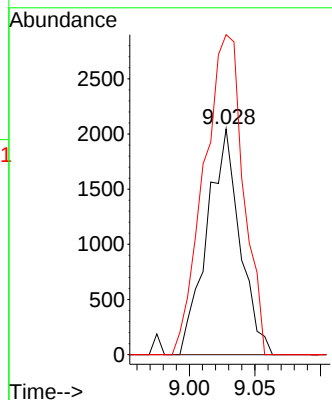
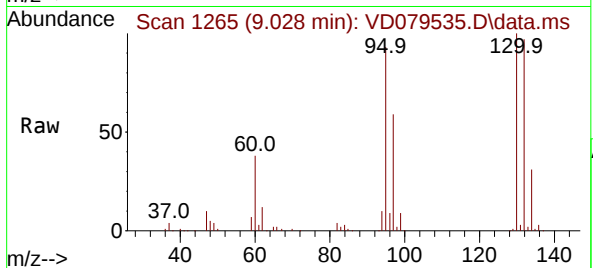
Tgt Ion: 83 Resp: 3593

Ion Ratio Lower Upper

83 100

55 0.0 50.1 75.1#

98 141.7 41.9 62.9#



#44

Trichloroethene

Concen: 116.007 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079535.D

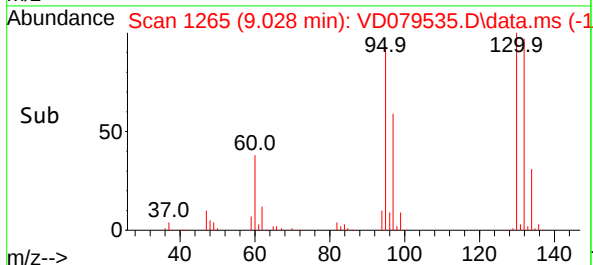
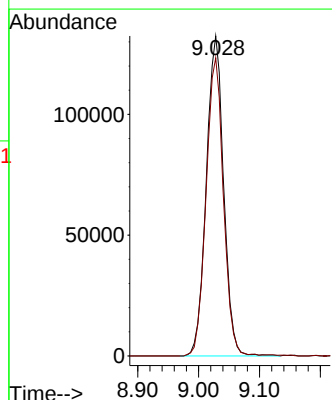
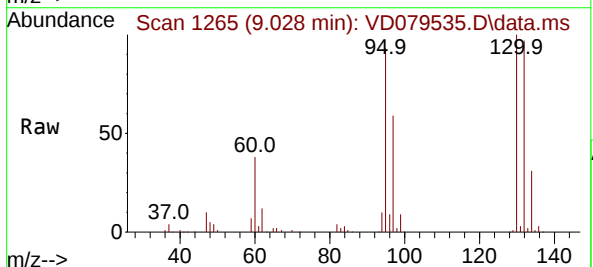
Acq: 01 Aug 2024 19:40

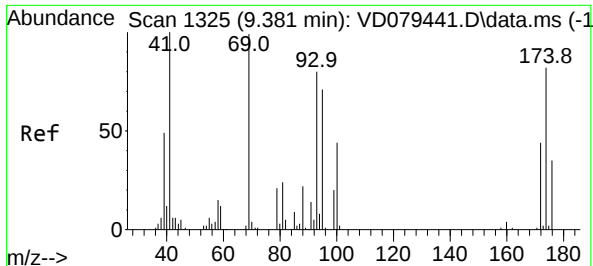
Tgt Ion:130 Resp: 262198

Ion Ratio Lower Upper

130 100

95 93.1 0.0 177.8





#49

1,4-Dioxane

Concen: 34.036 ug/l

RT: 9.393 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-12.5-13-072024

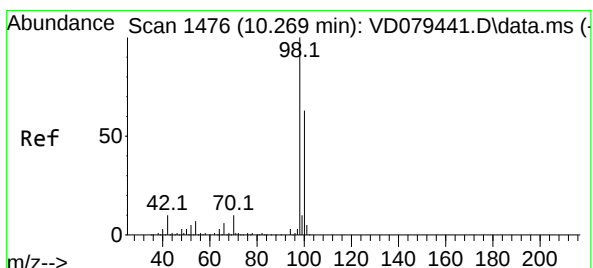
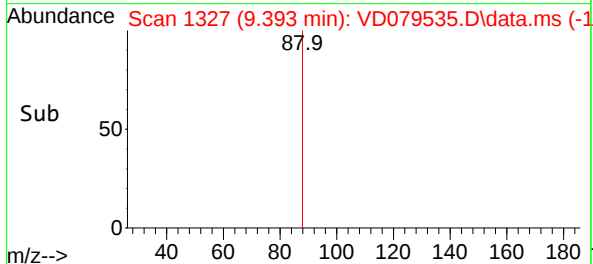
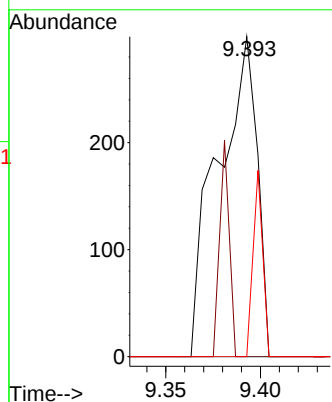
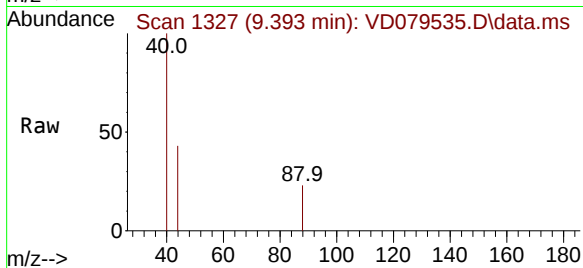
Tgt Ion: 88 Resp: 432

Ion Ratio Lower Upper

88 100

43 16.4 21.5 32.3#

58 14.1 42.2 63.4#



#50

Toluene-d8

Concen: 47.931 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079535.D

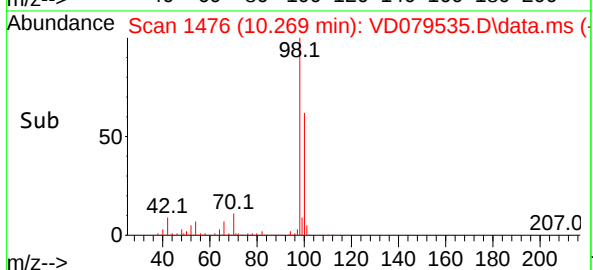
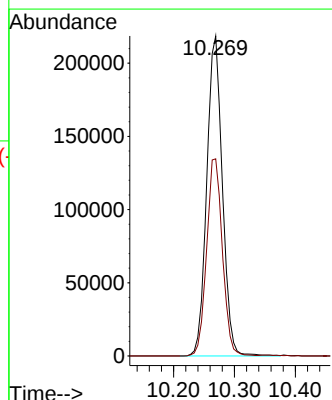
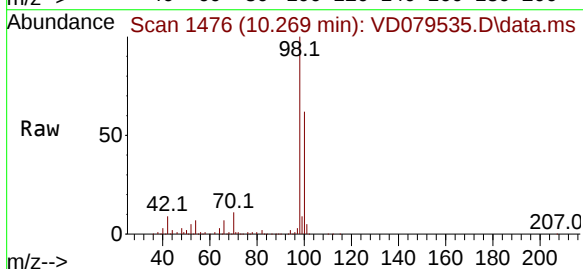
Acq: 01 Aug 2024 19:40

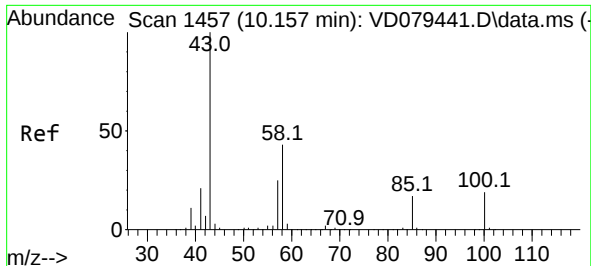
Tgt Ion: 98 Resp: 389836

Ion Ratio Lower Upper

98 100

100 62.2 51.6 77.4

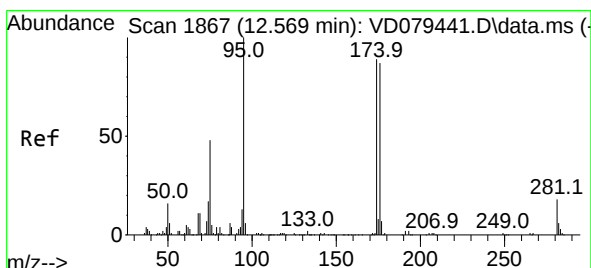
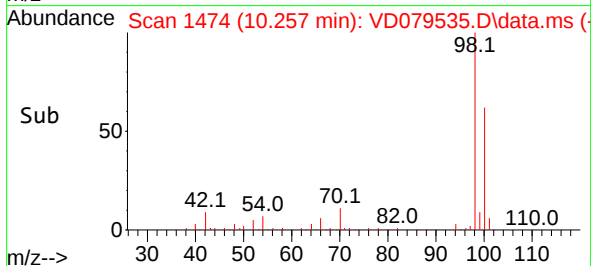
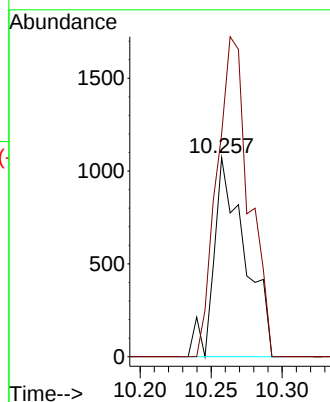
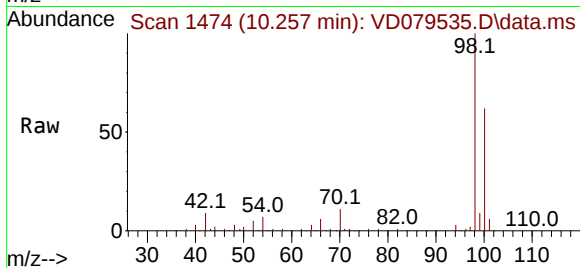




#51
4-Methyl-2-Pentanone
Concen: 1.450 ug/l
RT: 10.257 min Scan# 1457
Delta R.T. 0.100 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

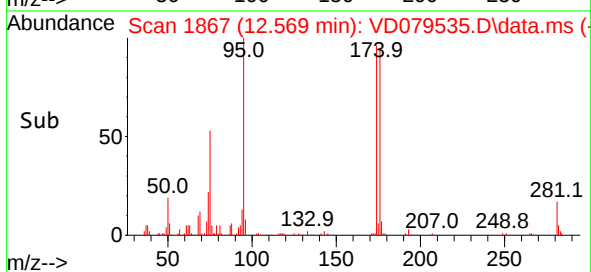
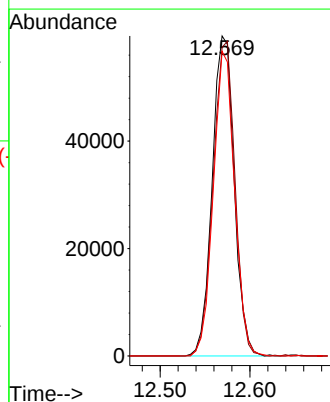
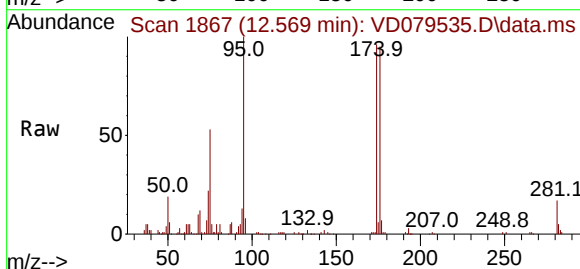
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

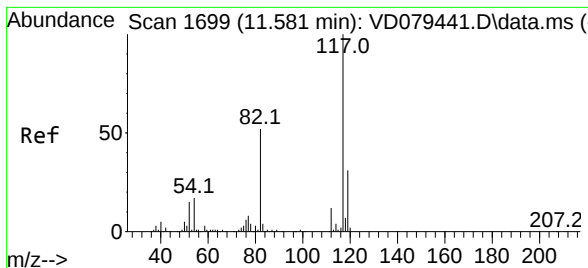
Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
58 166.8 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 42.996 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Tgt Ion: 95 Resp: 101195
Ion Ratio Lower Upper
95 100
174 97.7 0.0 195.4
176 92.0 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD079535.D

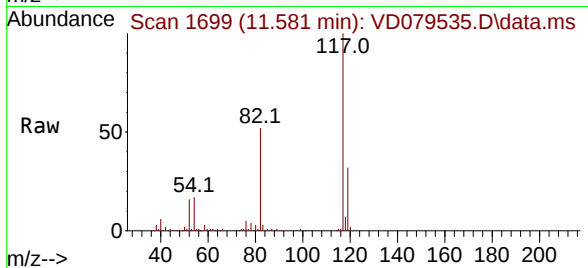
Acq: 01 Aug 2024 19:40

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-12.5-13-072024



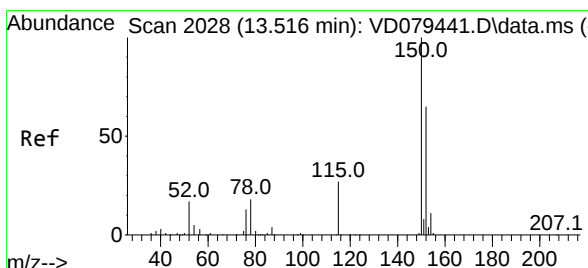
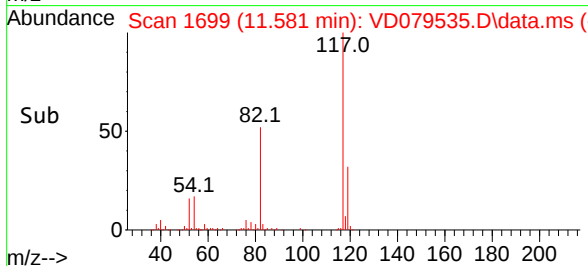
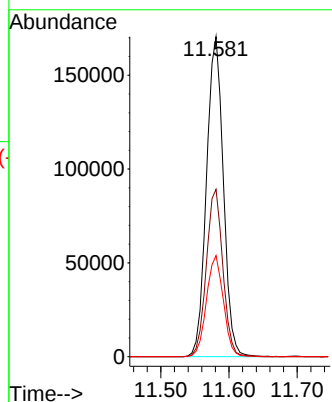
Tgt Ion:117 Resp: 293114

Ion Ratio Lower Upper

117 100

82 52.3 39.8 59.6

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

Lab File: VD079535.D

Acq: 01 Aug 2024 19:40

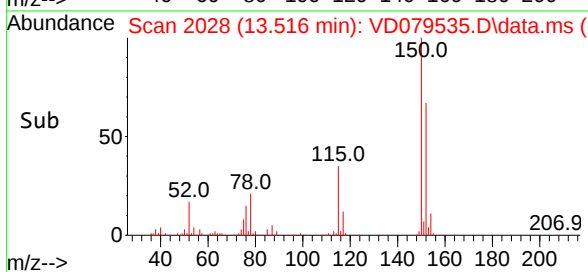
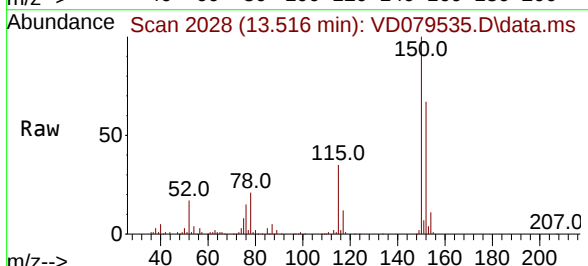
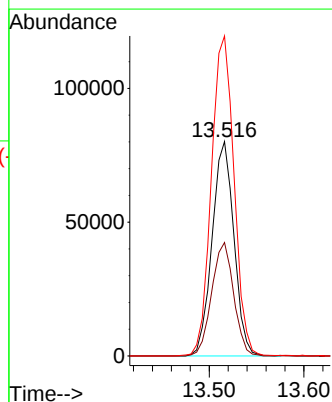
Tgt Ion:152 Resp: 128357

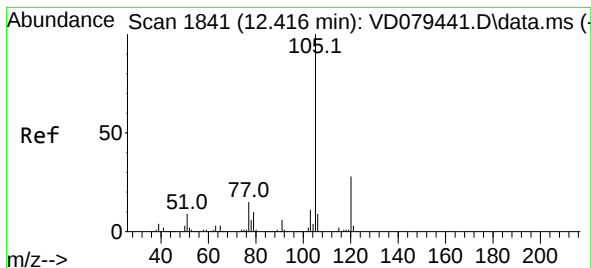
Ion Ratio Lower Upper

152 100

115 53.2 26.5 79.5

150 154.7 0.0 341.6





#73

Isopropylbenzene

Concen: 3.633 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079535.D

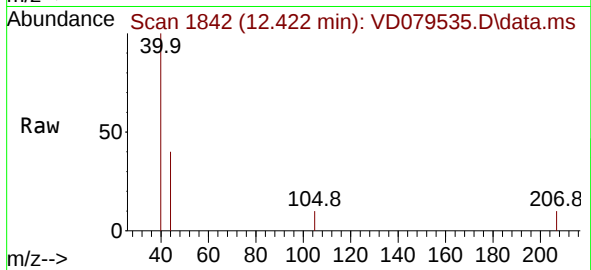
Acq: 01 Aug 2024 19:40

Instrument :

MSVOA_D

ClientSampleId :

S-847-G1-SO-12.5-13-072024

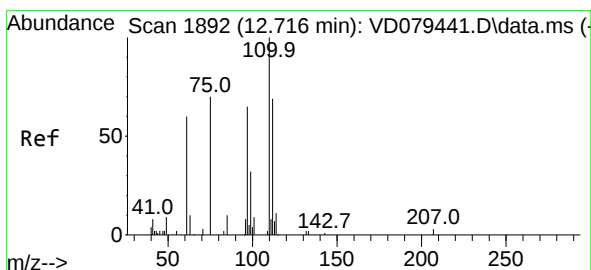
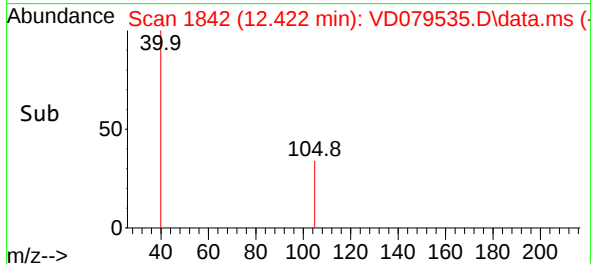
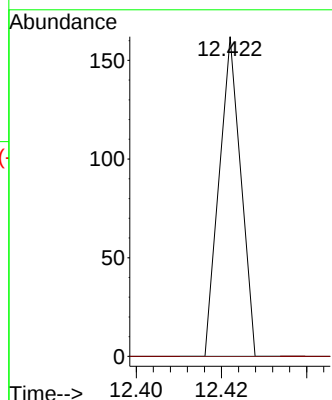


Tgt Ion:105 Resp: 57

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 46.996 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079535.D

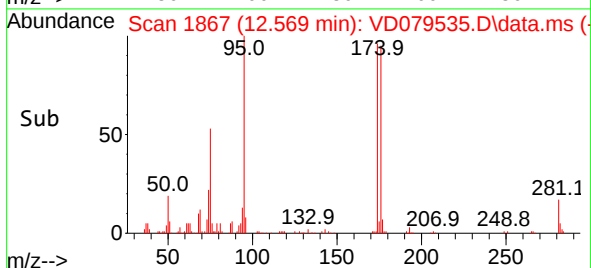
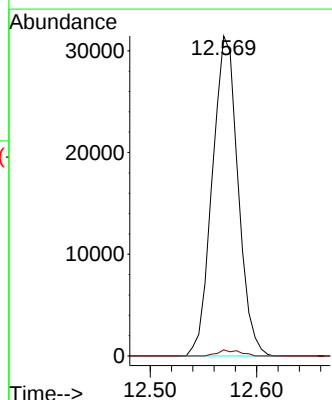
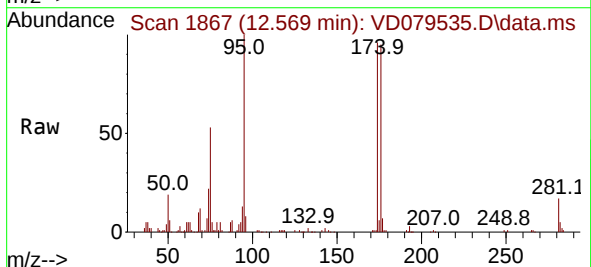
Acq: 01 Aug 2024 19:40

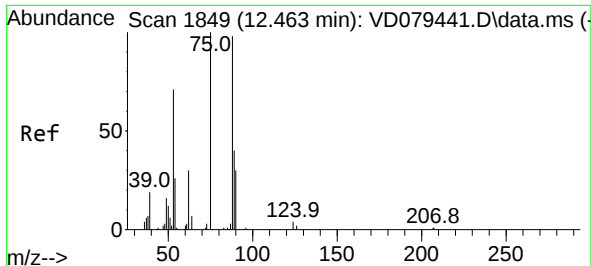
Tgt Ion: 75 Resp: 52728

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

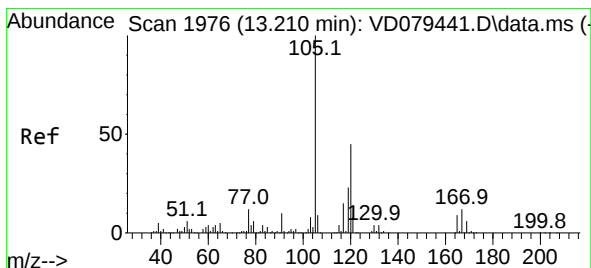
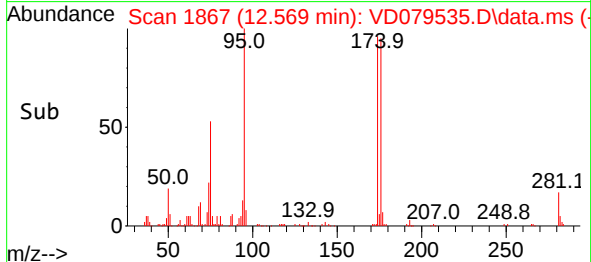
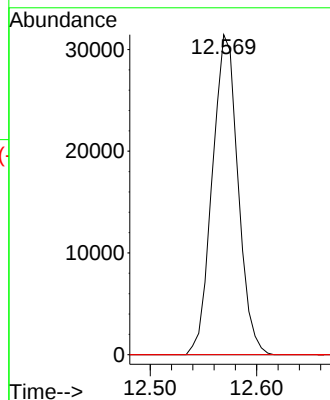
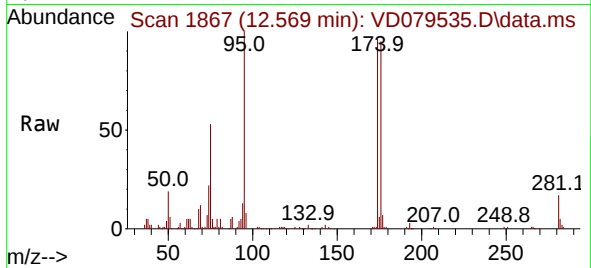




#81
trans-1,4-Dichloro-2-butene
Concen: 89.634 ug/l
RT: 12.569 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

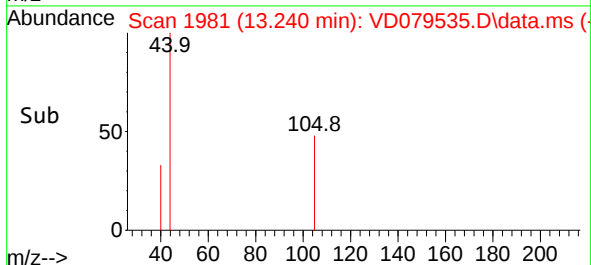
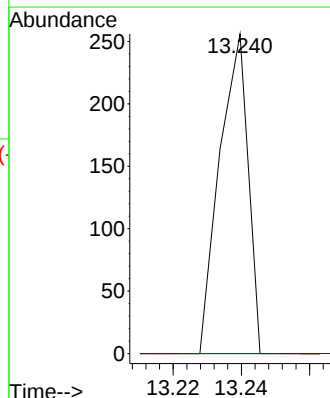
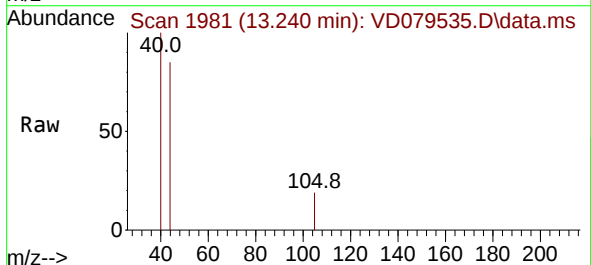
Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

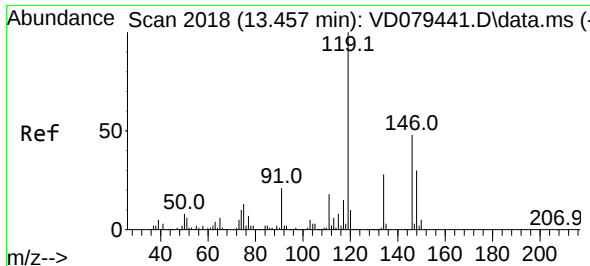
Tgt Ion:	75	Resp:	52728
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.446 ug/l
RT: 13.240 min Scan# 1981
Delta R.T. 0.036 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Tgt Ion:	105	Resp:	148
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	71.0#

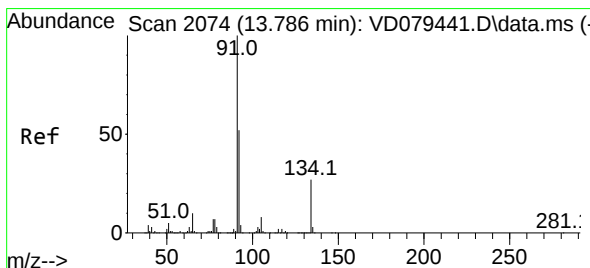
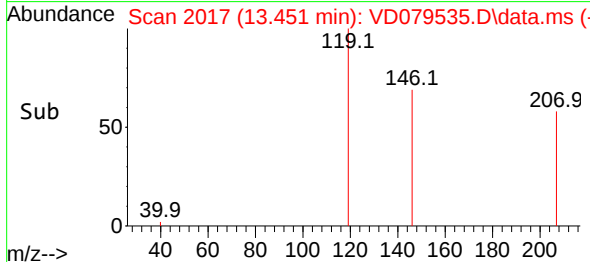
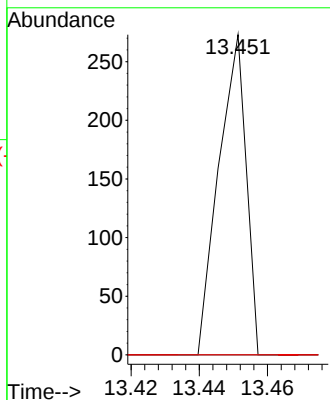
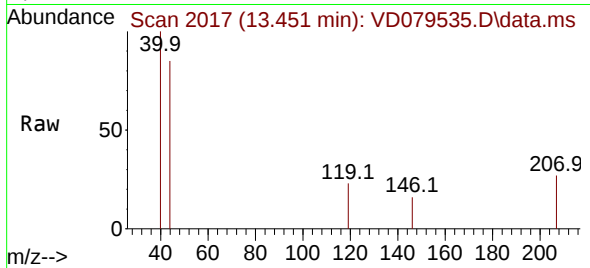




#86
p-Isopropyltoluene
Concen: 3.902 ug/l
RT: 13.451 min Scan# 2017
Delta R.T. -0.006 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Instrument :
MSVOA_D
ClientSampleId :
S-847-G1-SO-12.5-13-072024

Tgt Ion:	119	Resp:	152
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89
n-Butylbenzene
Concen: 3.792 ug/l
RT: 13.769 min Scan# 2071
Delta R.T. -0.012 min
Lab File: VD079535.D
Acq: 01 Aug 2024 19:40

Tgt Ion:	91	Resp:	86
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.7	77.0#
134	0.0	13.6	40.8#

