

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121221\
 Data File : VW021345.D
 Acq On : 12 Dec 2021 02:45
 Operator : SY/VA
 Sample : M5062-18
 Misc : 6.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 13 03:23:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 10 23:12:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	74077	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	63159	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	25295	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	30147	22.345	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.400%
7) Chloroethane-d5	2.879	69	23432	26.273	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.080%
11) 1,1-Dichloroethene-d2	4.013	63	37359	20.771	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.080%
21) 2-Butanone-d5	7.080	46	12421	65.314	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.620%
24) Chloroform-d	7.647	84	58445	28.311	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.240%
26) 1,2-Dichloroethane-d4	8.305	65	29999	27.319	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.280%
32) Benzene-d6	8.275	84	104189	30.095	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	120.400%
36) 1,2-Dichloropropane-d6	9.275	67	30979	33.366	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	133.480%#
41) Toluene-d8	10.323	98	99199	28.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.160%
43) trans-1,3-Dichloroprop...	10.579	79	12894	30.161	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	120.640%
47) 2-Hexanone-d5	10.921	63	9760	71.088	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.180%#
56) 1,1,2,2-Tetrachloroeth...	12.689	84	24425	30.602	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	122.400%#
66) 1,2-Dichlorobenzene-d4	13.853	152	22204	22.650	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.600%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.044	96	15937	17.357	ug/L	85
16) Methylene chloride	4.922	84	7639	6.241	ug/L	82
19) 1,1-Dichloroethane	6.214	63	24277	15.561	ug/L	98
20) cis-1,2-Dichloroethene	7.171	96	1918	1.829	ug/L	81
34) Trichloroethene	9.092	95	256512	265.588	ug/L	90
37) 1,2-Dichloropropane	9.275	63	3860	5.030	ug/L	# 88
39) cis-1,3-Dichloropropene	10.030	75	1185	0.980	ug/L	# 81
45) 1,1,2-Trichloroethane	10.866	97	54739	87.145	ug/L	# 41
46) Tetrachloroethene	10.878	164	7000383	7629.857	ug/L	91
48) 2-Hexanone	10.927	43	1191	3.927	ug/L	# 69
52) Ethylbenzene	11.731	91	4002	0.870	ug/L	98
53) m,p-Xylene	11.835	106	9140	4.927	ug/L	80
54) o-Xylene	12.164	106	4494	2.553	ug/L	85
63) 1,2,4-Trimethylbenzene	13.249	105	3043	1.055	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	1305	0.914	ug/L	# 87
71) Naphthalene	15.365	128	1157	0.731	ug/L	# 77

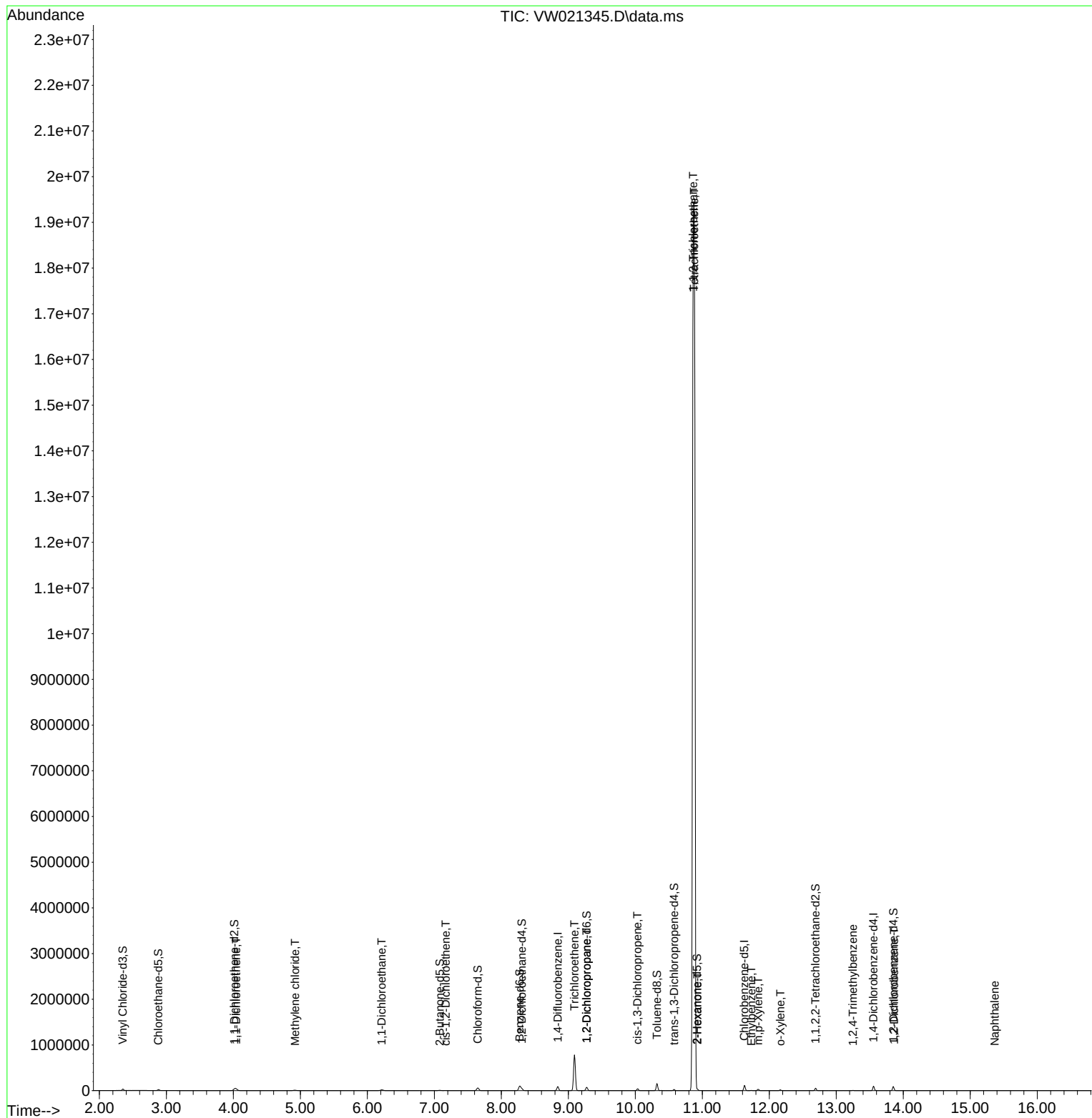
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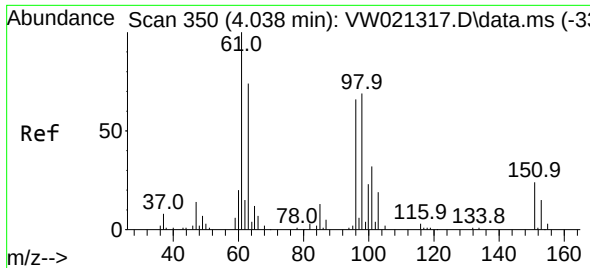
Instrument :
MSVOA_W
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121221\
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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 13 03:23:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 10 23:12:45 2021
Response via : Initial Calibration

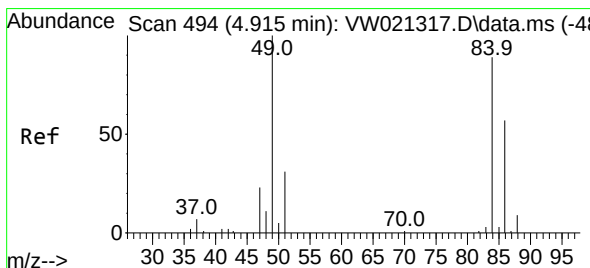
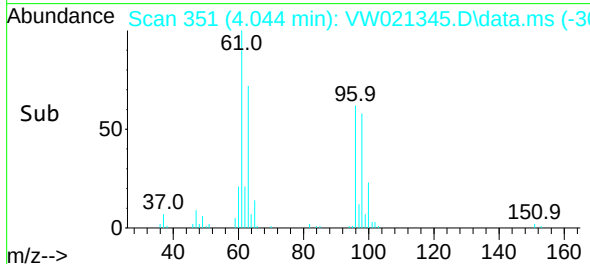
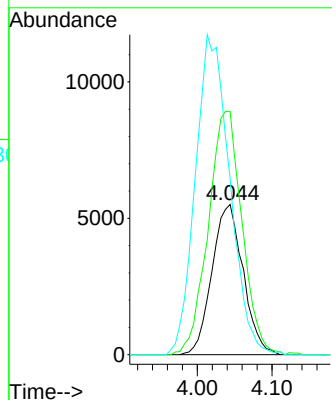
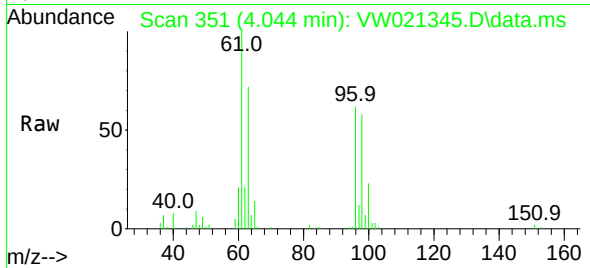




#12
 1,1-Dichloroethene
 Concen: 17.357 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. -0.000 min
 Lab File: VW021345.D
 Acq: 12 Dec 2021 02:45

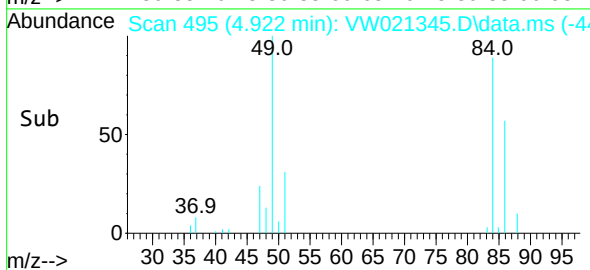
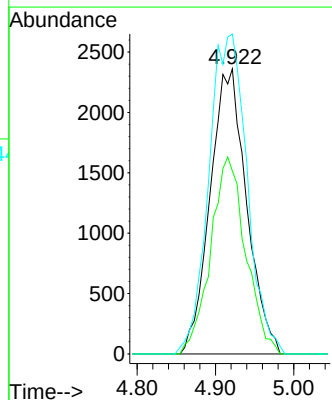
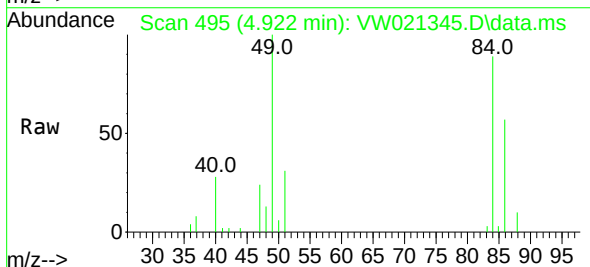
Instrument :
 MSVOA_W
 ClientSampleId :

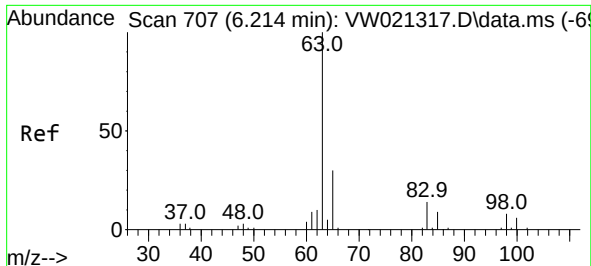
Tgt Ion: 96 Resp: 15937
 Ion Ratio Lower Upper
 96 100
 61 162.0 138.3 256.9
 63 117.2 82.6 153.4



#16
 Methylene chloride
 Concen: 6.241 ug/L
 RT: 4.922 min Scan# 495
 Delta R.T. 0.006 min
 Lab File: VW021345.D
 Acq: 12 Dec 2021 02:45

Tgt Ion: 84 Resp: 7639
 Ion Ratio Lower Upper
 84 100
 86 64.2 45.5 84.5
 49 112.2 100.5 186.7





#19

1,1-Dichloroethane

Concen: 15.561 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW021345.D

Acq: 12 Dec 2021 02:45

Instrument :

MSVOA_W

ClientSampleId :

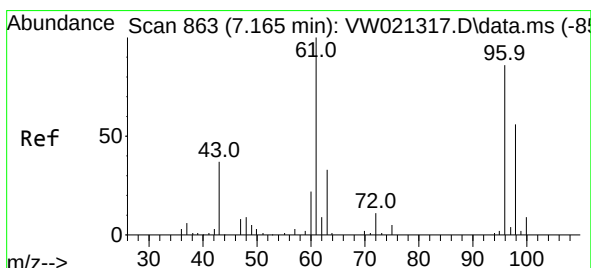
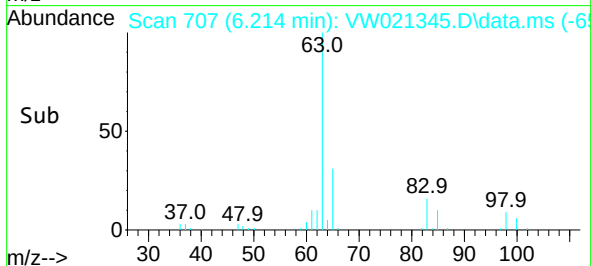
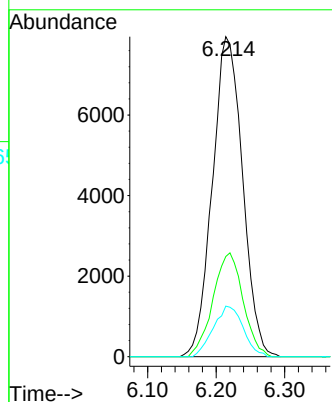
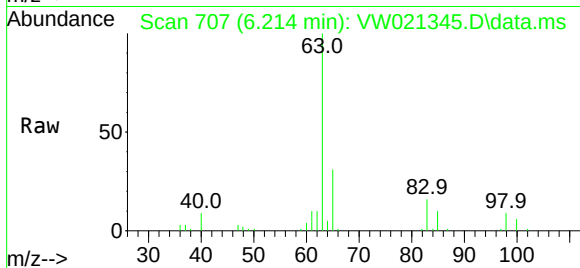
Tgt Ion: 63 Resp: 24277

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

83 15.8 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 1.829 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.000 min

Lab File: VW021345.D

Acq: 12 Dec 2021 02:45

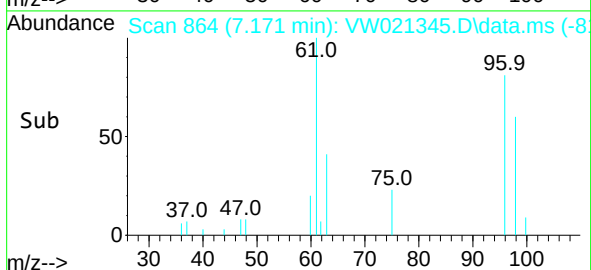
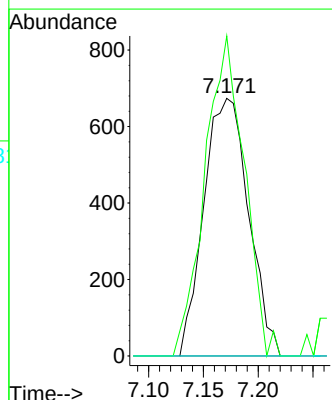
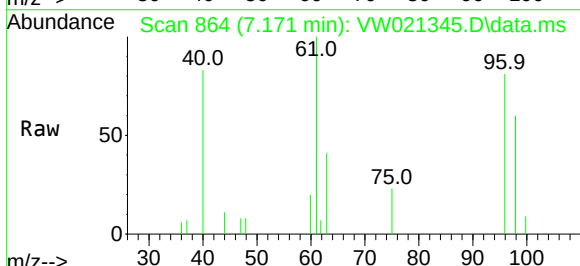
Tgt Ion: 96 Resp: 1918

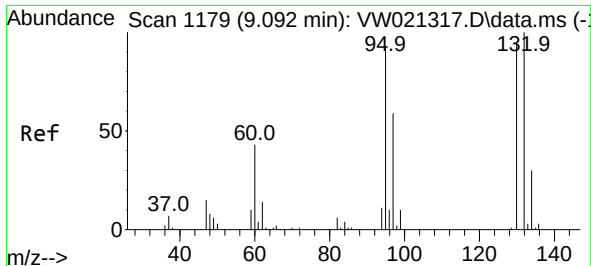
Ion Ratio Lower Upper

96 100

61 124.2 103.7 192.7

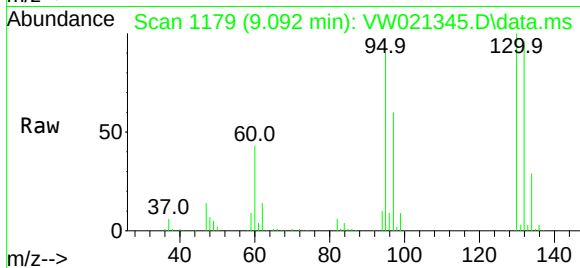
68 0.0 0.0 0.0



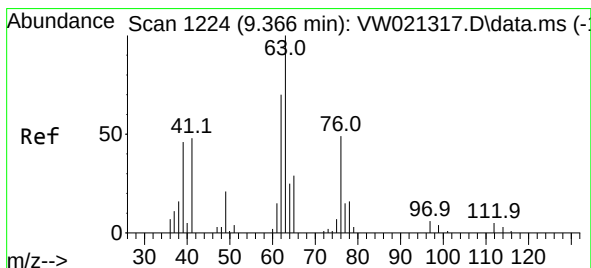
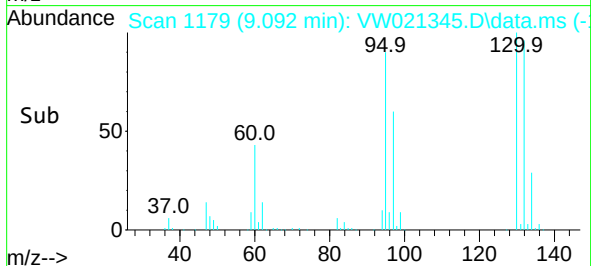
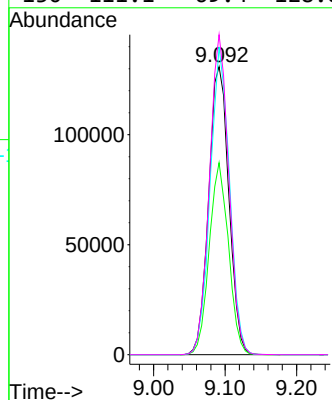


#34
Trichloroethene
Concen: 265.588 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW021345.D
Acq: 12 Dec 2021 02:45

Instrument :
MSVOA_W
ClientSampleId :

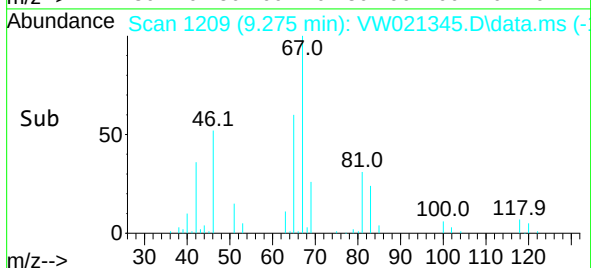
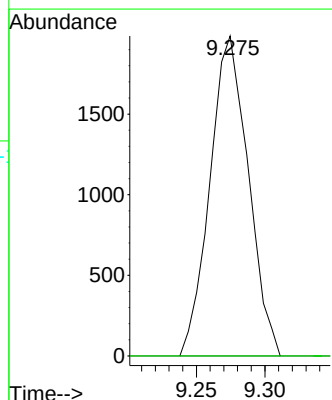
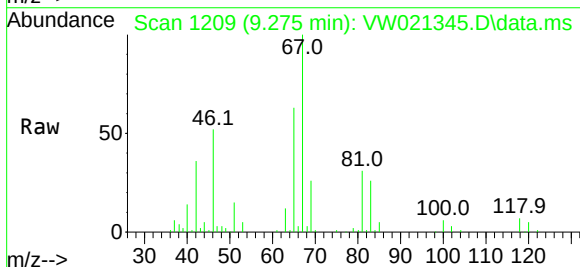


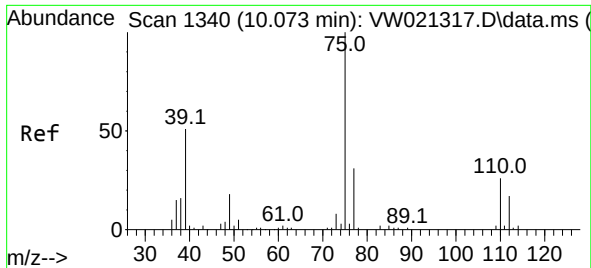
Tgt Ion: 95 Resp: 256512
Ion Ratio Lower Upper
95 100
97 66.7 47.0 87.2
132 106.8 65.5 121.6
130 111.1 69.4 128.8



#37
1,2-Dichloropropane
Concen: 5.030 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW021345.D
Acq: 12 Dec 2021 02:45

Tgt Ion: 63 Resp: 3860
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.980 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021345.D

Acq: 12 Dec 2021 02:45

Instrument :

MSVOA_W

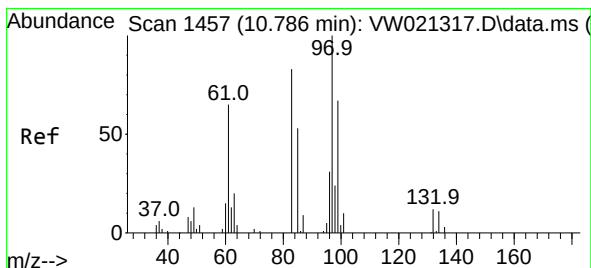
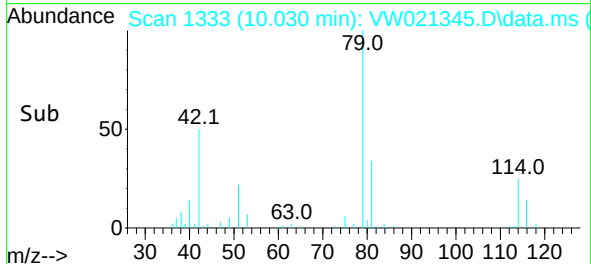
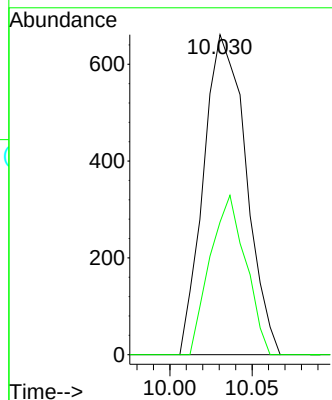
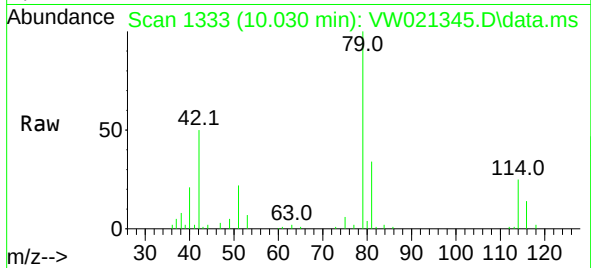
ClientSampleId :

Tgt Ion: 75 Resp: 1185

Ion Ratio Lower Upper

75 100

77 41.5 21.8 40.6#



#45

1,1,2-Trichloroethane

Concen: 87.145 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. 0.079 min

Lab File: VW021345.D

Acq: 12 Dec 2021 02:45

Tgt Ion: 97 Resp: 54739

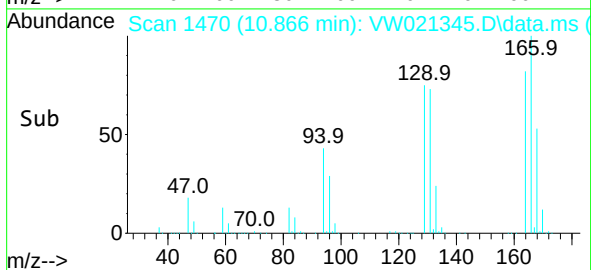
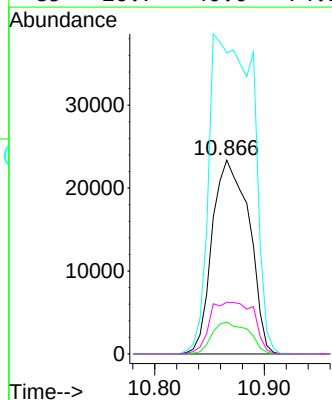
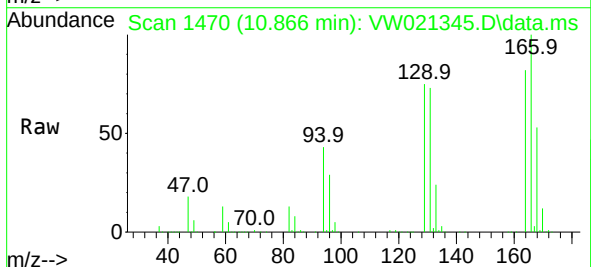
Ion Ratio Lower Upper

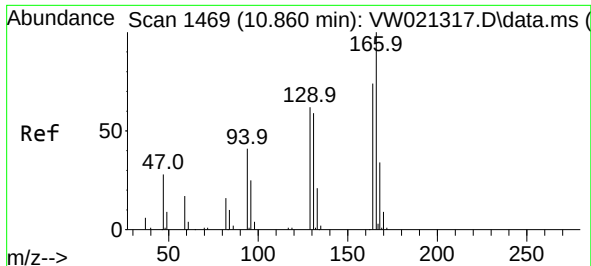
97 100

99 16.5 43.0 79.8#

83 155.4 62.6 116.3#

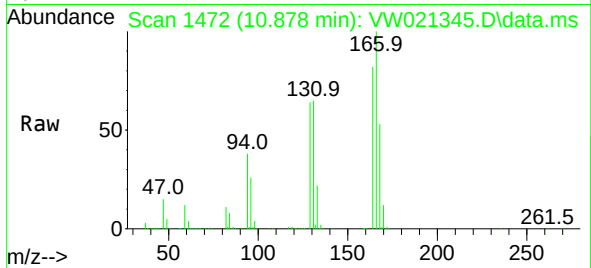
85 26.7 40.0 74.2#



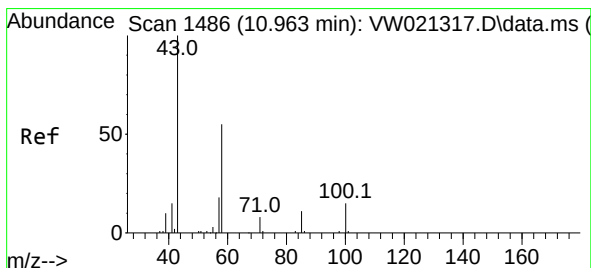
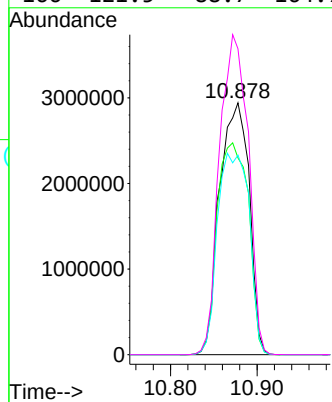
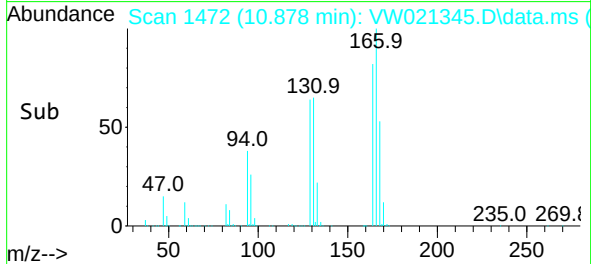


#46
Tetrachloroethene
Concen: 7629.857 ug/L
RT: 10.878 min Scan# 1469
Delta R.T. 0.018 min
Lab File: VW021345.D
Acq: 12 Dec 2021 02:45

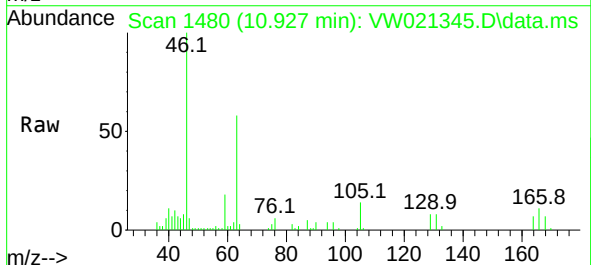
Instrument :
MSVOA_W
ClientSampleId :



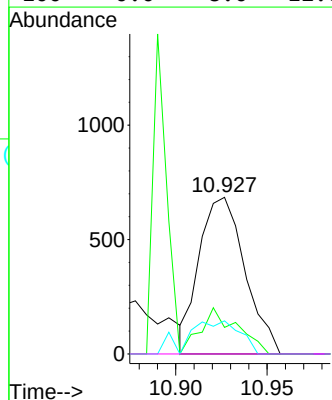
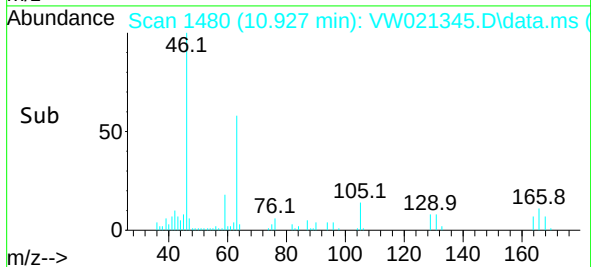
Tgt Ion:164 Resp: 7000383
Ion Ratio Lower Upper
164 100
129 78.1 65.5 121.7
131 79.2 59.7 110.9
166 121.5 88.7 164.7

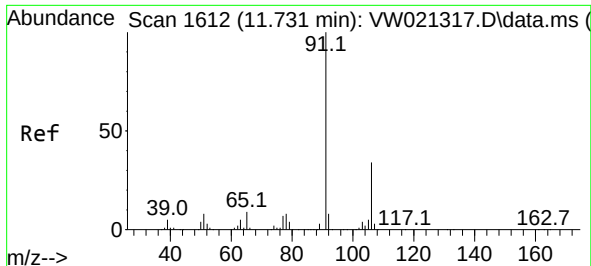


#48
2-Hexanone
Concen: 3.927 ug/L
RT: 10.927 min Scan# 1480
Delta R.T. -0.043 min
Lab File: VW021345.D
Acq: 12 Dec 2021 02:45



Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
58 23.9 40.2 60.2#
57 11.3 14.3 21.5#
100 0.0 8.0 12.0#





#52

Ethylbenzene

Concen: 0.870 ug/L

RT: 11.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021345.D

Acq: 12 Dec 2021 02:45

Instrument :

MSVOA_W

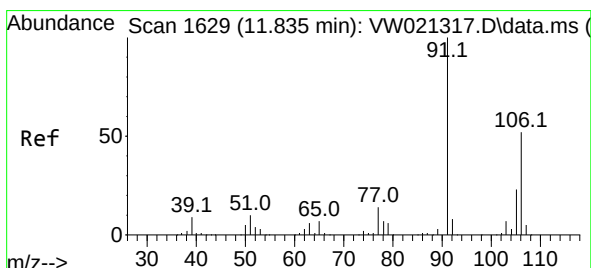
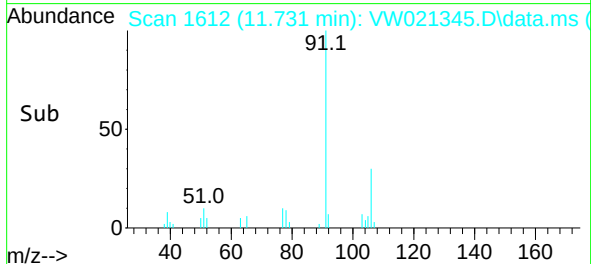
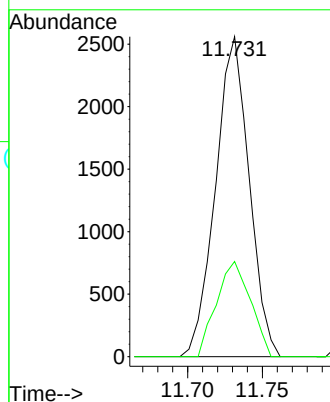
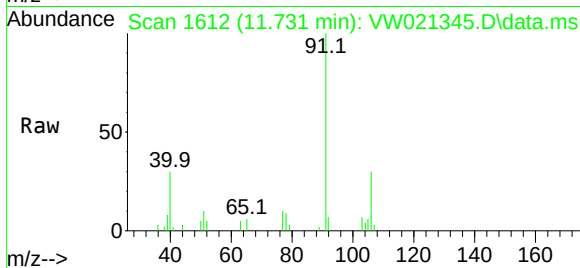
ClientSampleId :

Tgt Ion: 91 Resp: 4002

Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



#53

m,p-Xylene

Concen: 4.927 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.006 min

Lab File: VW021345.D

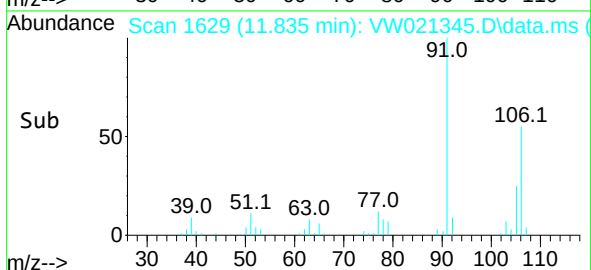
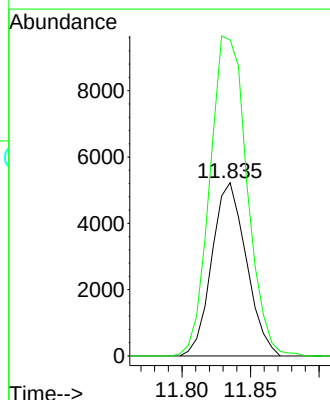
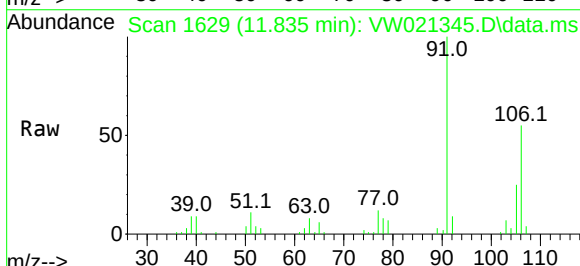
Acq: 12 Dec 2021 02:45

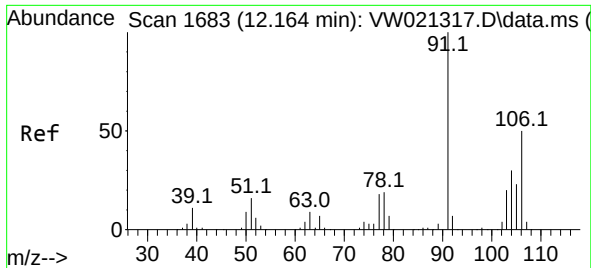
Tgt Ion:106 Resp: 9140

Ion Ratio Lower Upper

106 100

91 182.4 149.9 278.3

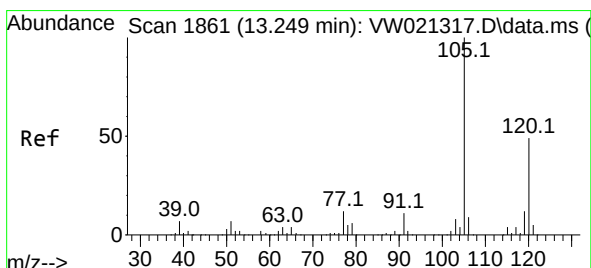
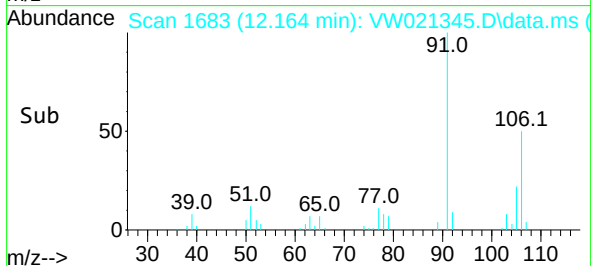
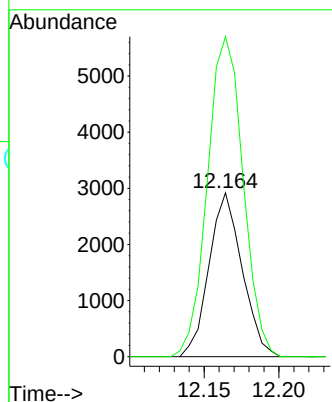
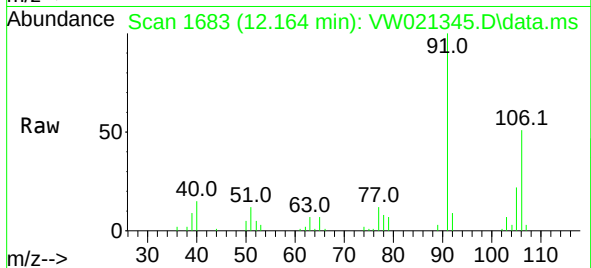




#54
o-Xylene
Concen: 2.553 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021345.D
Acq: 12 Dec 2021 02:45

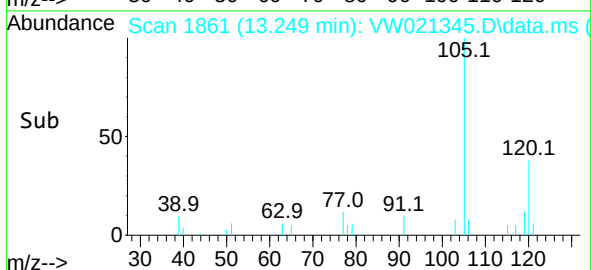
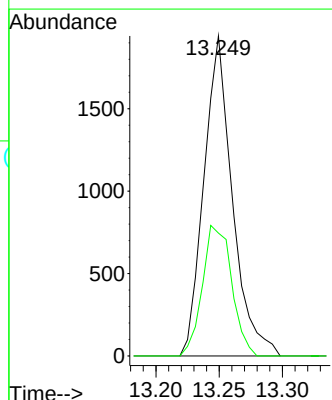
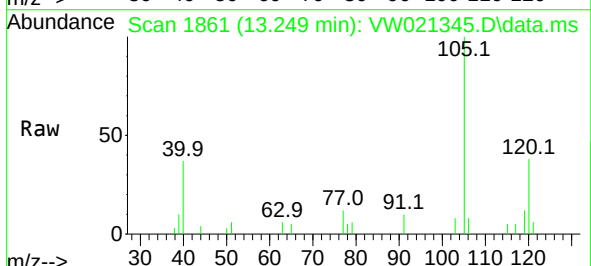
Instrument :
MSVOA_W
ClientSampleId :

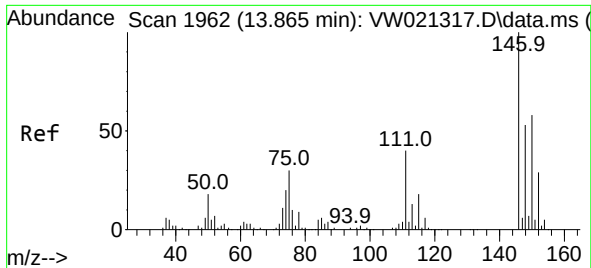
Tgt Ion:106 Resp: 4494
Ion Ratio Lower Upper
106 100
91 195.3 153.6 285.3



#63
1,2,4-Trimethylbenzene
Concen: 1.055 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW021345.D
Acq: 12 Dec 2021 02:45

Tgt Ion:105 Resp: 3043
Ion Ratio Lower Upper
105 100
120 41.9 35.0 52.6





#67

1,2-Dichlorobenzene

Concen: 0.914 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

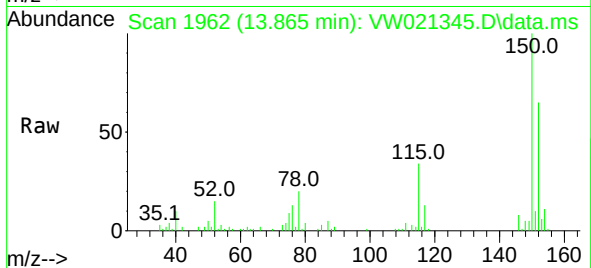
Lab File: VW021345.D

Acq: 12 Dec 2021 02:45

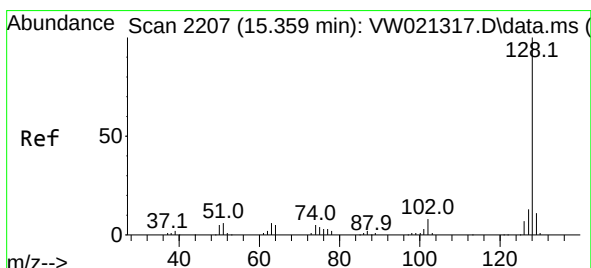
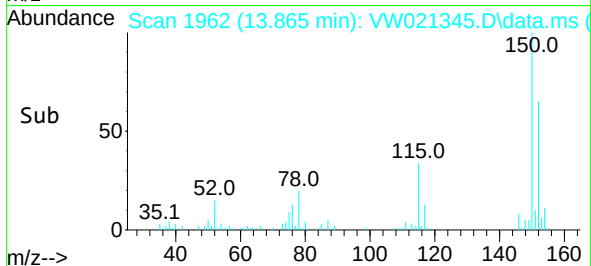
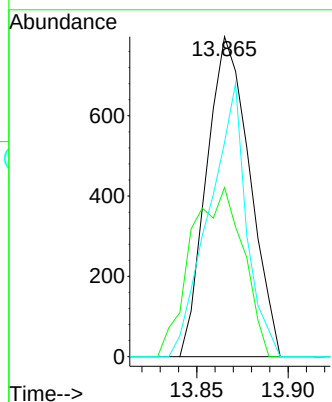
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	146	Resp:	1305
Ion	Ratio	Lower	Upper
146	100		
111	52.8	33.1	49.7#
148	66.9	47.4	71.2



#71

Naphthalene

Concen: 0.731 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VW021345.D

Acq: 12 Dec 2021 02:45

Tgt Ion:	128	Resp:	1157
Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.7	16.1#
129	0.0	8.6	12.8#

