

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120621\
 Data File : VW021189.D
 Acq On : 07 Dec 2021 00:03
 Operator : SY/VA
 Sample : M4888-10
 Misc : 5.01g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B5

Quant Time: Dec 07 07:51:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 07 07:23:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	25853	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	13747	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2595	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	13595	37.743	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	= 150.960	%#	
7) Chloroethane-d5	2.885	69	9076	37.640	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	= 150.560	%#	
11) 1,1-Dichloroethene-d2	4.019	63	13631	23.688	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	= 94.760	%	
21) 2-Butanone-d5	7.080	46	4819	58.654	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	= 117.300	%	
24) Chloroform-d	7.653	84	18969	29.298	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	= 117.200	%	
26) 1,2-Dichloroethane-d4	8.305	65	9868	27.860	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	= 111.440	%	
32) Benzene-d6	8.275	84	34639	49.280	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	= 197.120	%#	
36) 1,2-Dichloropropane-d6	9.274	67	10332	52.894	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	= 211.560	%#	
41) Toluene-d8	10.323	98	24243	33.637	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	= 134.560	%#	
43) trans-1,3-Dichloroprop...	10.579	79	1826	20.587	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	= 82.360	%	
47) 2-Hexanone-d5	10.926	63	3192	85.411	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	= 170.820	%#	
56) 1,1,2,2-Tetrachloroeth...	12.688	84	6696	37.054	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	= 148.200	%#	
66) 1,2-Dichlorobenzene-d4	13.853	152	2559	27.522	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	= 110.080	%	
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	289	3.862	ug/L	78
16) Methylene chloride	4.915	84	1615	3.965	ug/L	84
22) 2-Butanone	7.141	43	689	6.652	ug/L #	52
27) 1,2-Dichloroethane	8.409	62	1232	2.961	ug/L #	77
33) Benzene	8.360	78	965	1.234	ug/L	100
34) Trichloroethene	8.841	95	832	3.858	ug/L #	5
35) Methylcyclohexane	9.274	83	2803	7.721	ug/L #	15
37) 1,2-Dichloropropane	9.274	63	1307	7.397	ug/L #	88
39) cis-1,3-Dichloropropene	10.030	75	232	0.812	ug/L #	43
42) Toluene	10.390	91	1917	2.147	ug/L	85
46) Tetrachloroethene	10.859	164	1068	5.408	ug/L	90
48) 2-Hexanone	10.951	43	183	2.108	ug/L #	41
49) Dibromochloromethane	10.866	129	1028	5.553	ug/L #	10
52) Ethylbenzene	11.731	91	629	0.626	ug/L	83
53) m,p-Xylene	11.835	106	933	2.244	ug/L	95
54) o-Xylene	12.164	106	253	0.645	ug/L	80
61) 1,2,3-Trichloropropane	12.609	75	57	1.311	ug/L #	40
62) 1,3,5-Trimethylbenzene	13.249	105	111	0.368	ug/L #	30
71) Naphthalene	15.371	128	213	1.117	ug/L #	69

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EX8B5

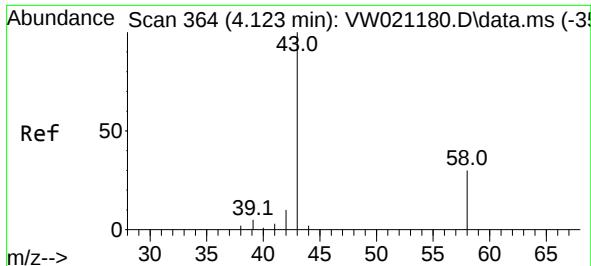
Quant Time: Dec 07 07:51:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 07 07:23:32 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quant Time: Dec 07 07:51:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
Quant Title : SFAM01.0
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Response via : Initial Calibration





#13

Acetone

Concen: 3.862 ug/L

RT: 4.129 min Scan# 364

Delta R.T. 0.006 min

Lab File: VW021189.D

Acq: 07 Dec 2021 00:03

Instrument :

MSVOA_W

ClientSampleId :

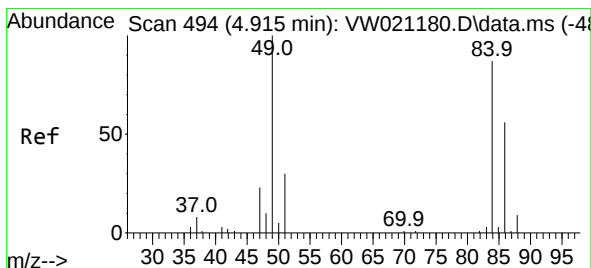
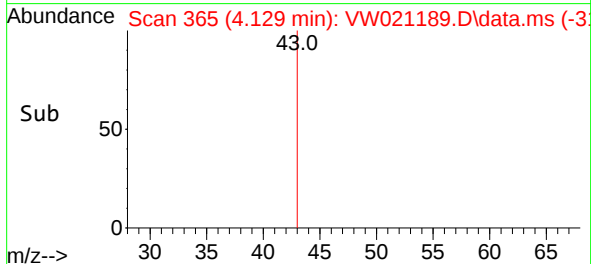
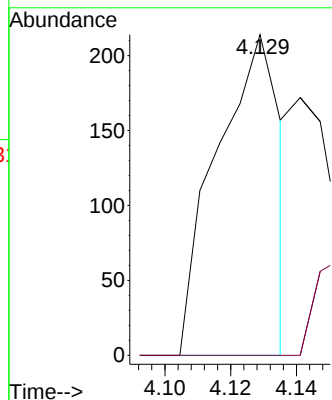
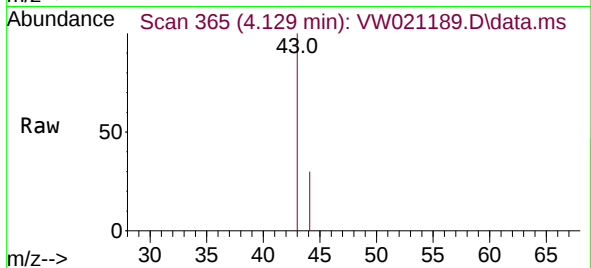
EX8B5

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

58 15.2 0.0 52.8



#16

Methylene chloride

Concen: 3.965 ug/L

RT: 4.915 min Scan# 494

Delta R.T. -0.000 min

Lab File: VW021189.D

Acq: 07 Dec 2021 00:03

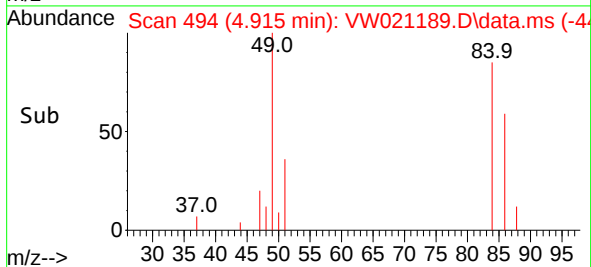
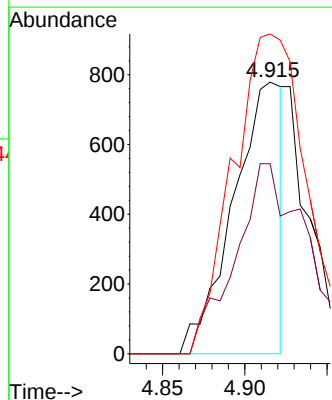
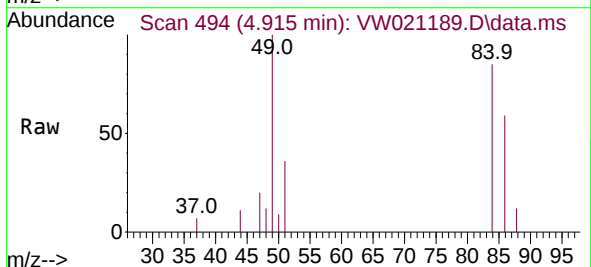
Tgt Ion: 84 Resp: 1615

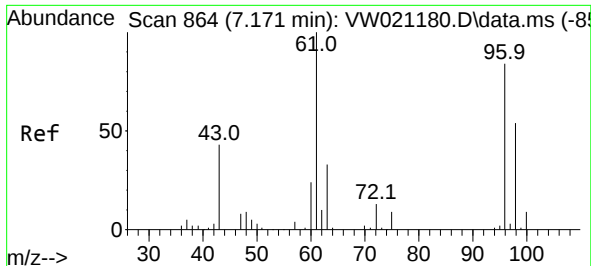
Ion Ratio Lower Upper

84 100

86 70.0 45.5 84.5

49 117.7 100.5 186.7

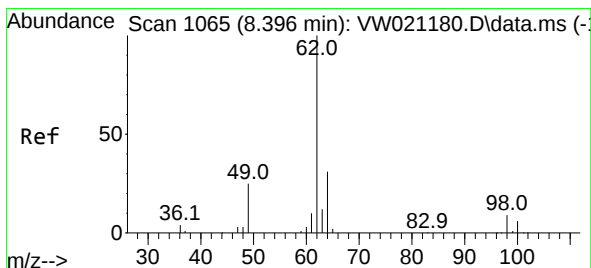
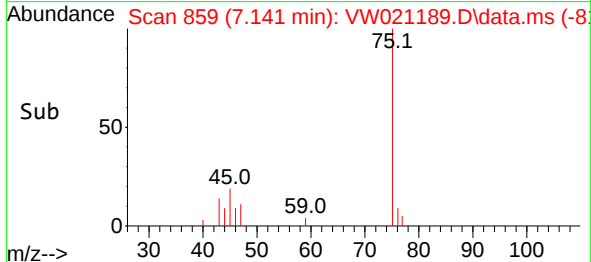
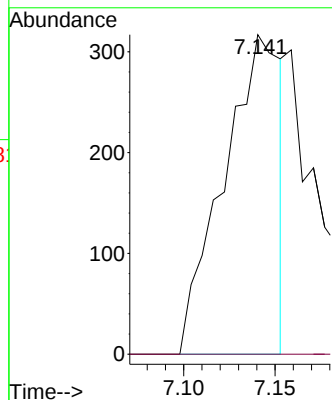
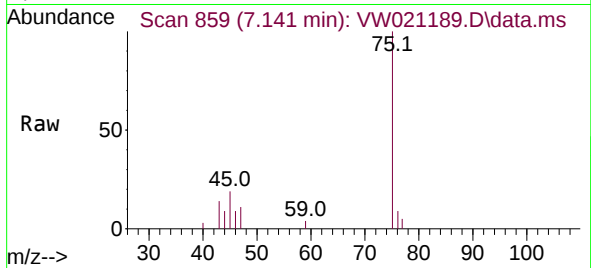




#22
2-Butanone
Concen: 6.652 ug/L
RT: 7.141 min Scan# 81
Delta R.T. -0.031 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

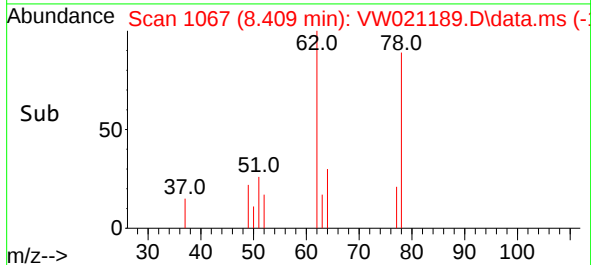
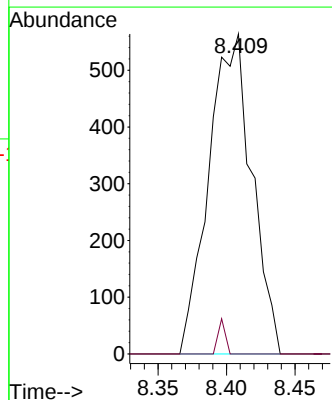
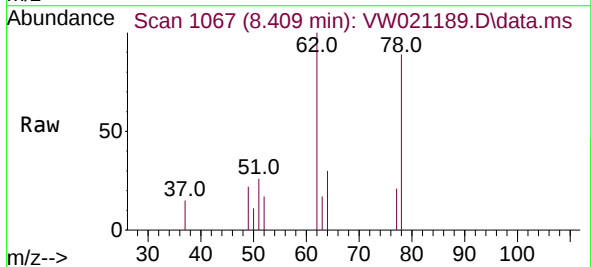
Instrument :
MSVOA_W
ClientSampleId :
EX8B5

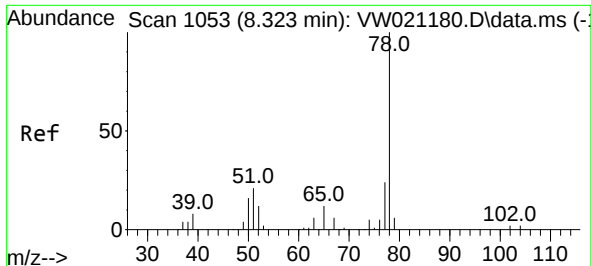
Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#27
1,2-Dichloroethane
Concen: 2.961 ug/L
RT: 8.409 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

Tgt Ion: 62 Resp: 1232
Ion Ratio Lower Upper
62 100
98 0.0 6.5 9.7#

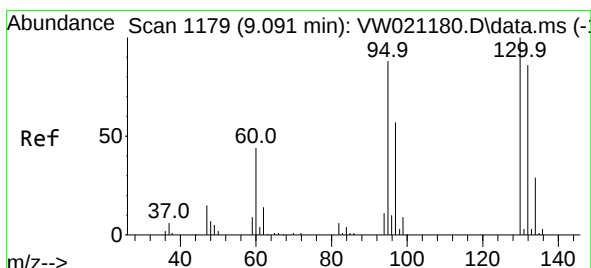
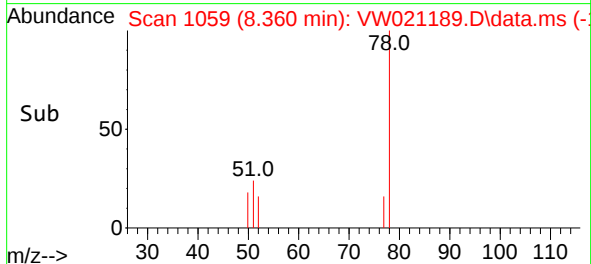
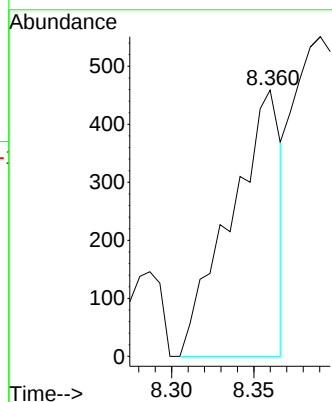
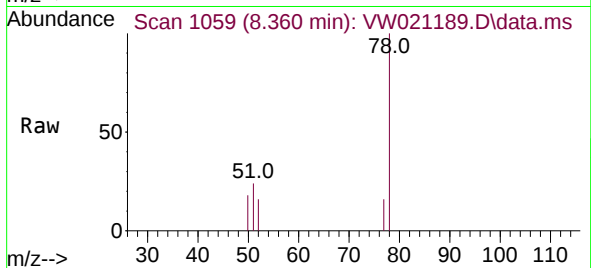




#33
Benzene
Concen: 1.234 ug/L
RT: 8.360 min Scan# 1138
Delta R.T. 0.037 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

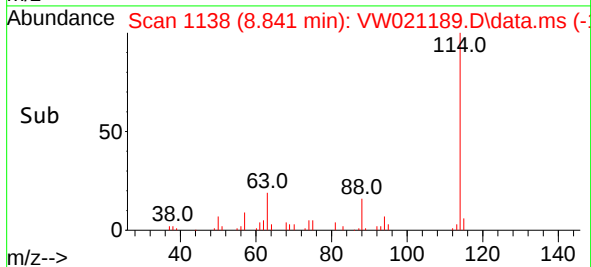
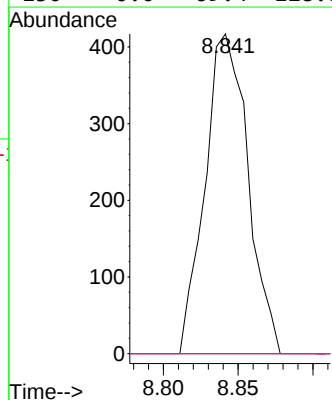
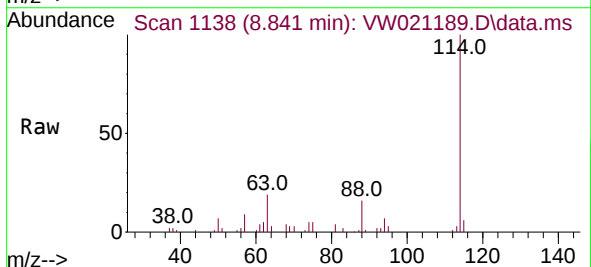
Instrument :
MSVOA_W
ClientSampleId :
EX8B5

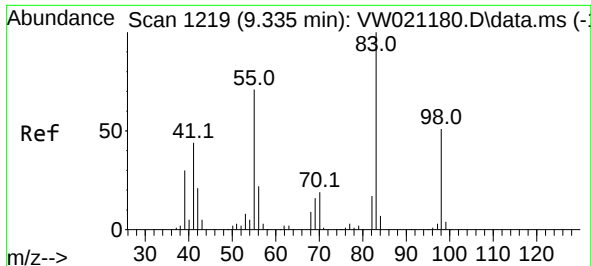
Tgt Ion: 78 Resp: 965



#34
Trichloroethene
Concen: 3.858 ug/L
RT: 8.841 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

Tgt Ion: 95 Resp: 832
Ion Ratio Lower Upper
95 100
97 0.0 47.0 87.2#
132 0.0 65.5 121.6#
130 0.0 69.4 128.8#





#35

Methylcyclohexane

Concen: 7.721 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.061 min

Lab File: VW021189.D

Acq: 07 Dec 2021 00:03

Instrument :

MSVOA_W

ClientSampleId :

EX8B5

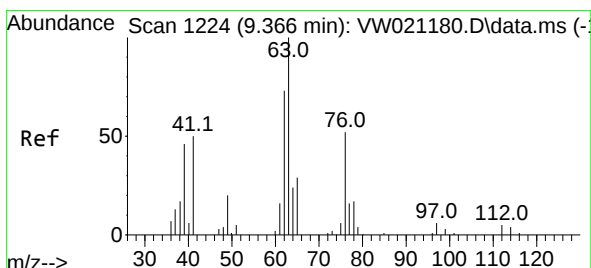
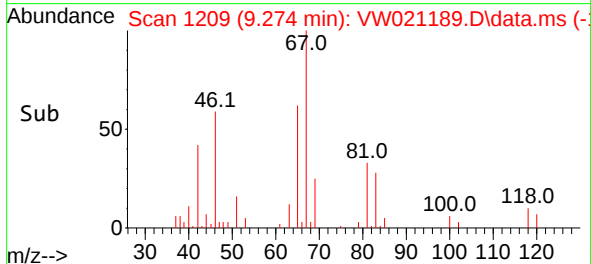
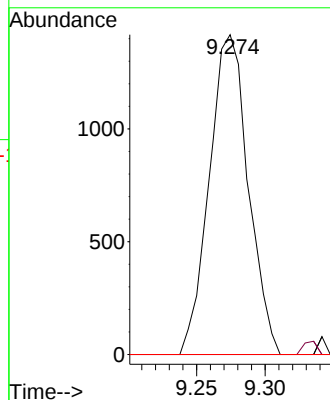
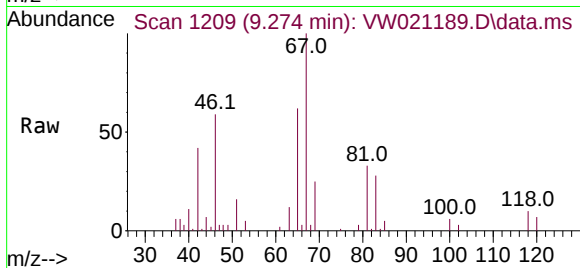
Tgt Ion: 83 Resp: 2803

Ion Ratio Lower Upper

83 100

55 1.4 70.8 106.2#

98 0.0 37.7 56.5#



#37

1,2-Dichloropropane

Concen: 7.397 ug/L

RT: 9.274 min Scan# 1209

Delta R.T. -0.091 min

Lab File: VW021189.D

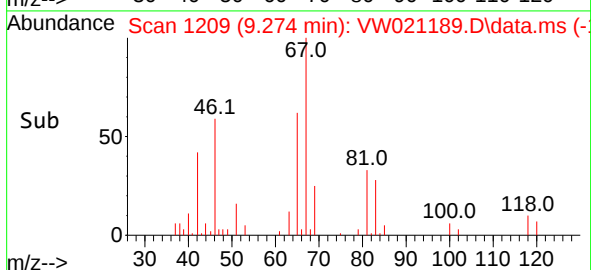
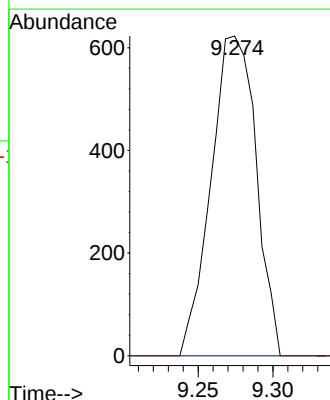
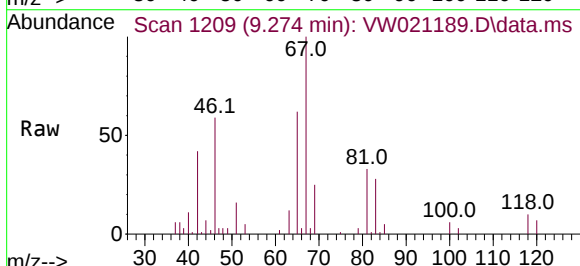
Acq: 07 Dec 2021 00:03

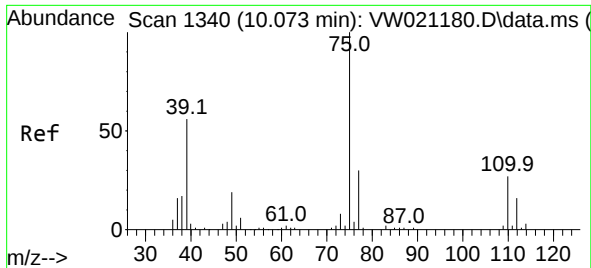
Tgt Ion: 63 Resp: 1307

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.812 ug/L

RT: 10.030 min Scan# 11

Delta R.T. -0.043 min

Lab File: VW021189.D

Acq: 07 Dec 2021 00:03

Instrument :

MSVOA_W

ClientSampleId :

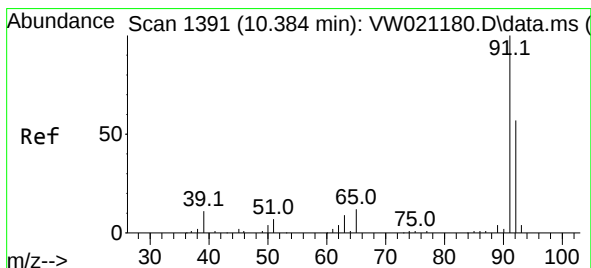
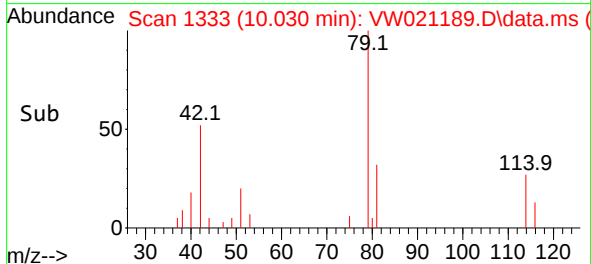
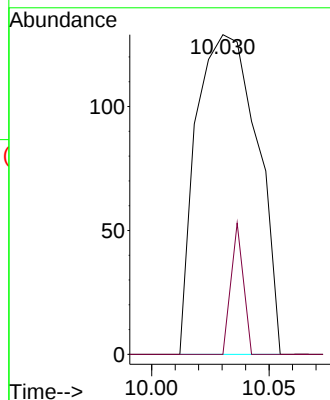
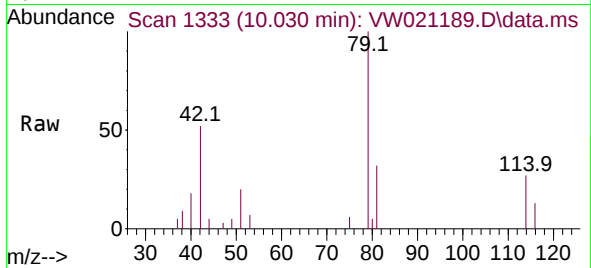
EX8B5

Tgt Ion: 75 Resp: 232

Ion Ratio Lower Upper

75 100

77 0.0 21.8 40.6#



#42

Toluene

Concen: 2.147 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.006 min

Lab File: VW021189.D

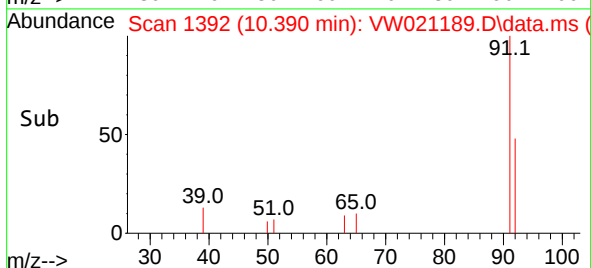
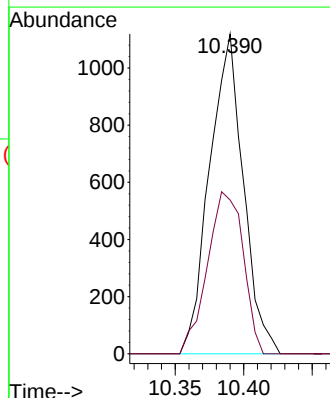
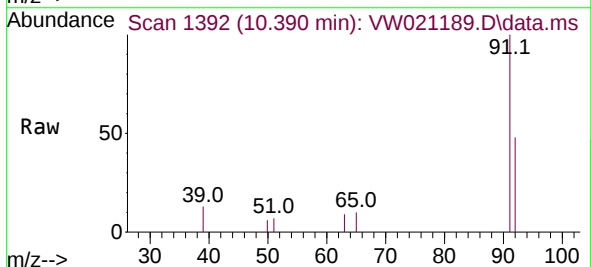
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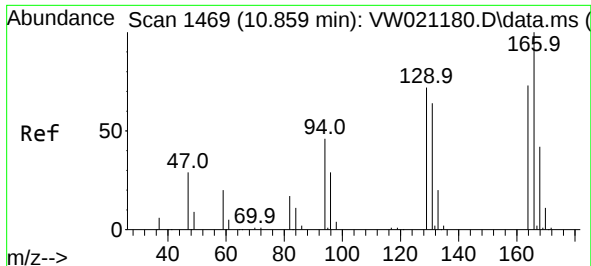
Tgt Ion: 91 Resp: 1917

Ion Ratio Lower Upper

91 100

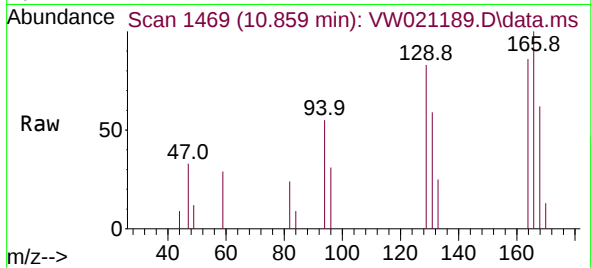
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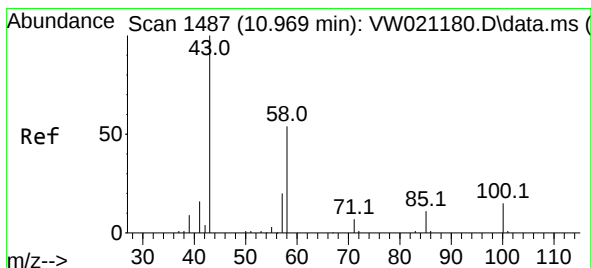
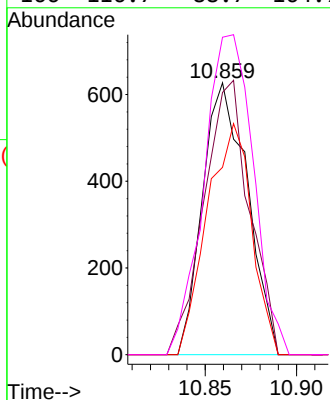
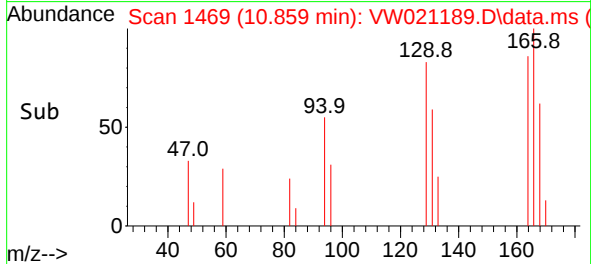
#46
Tetrachloroethene
Concen: 5.408 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW021189.D
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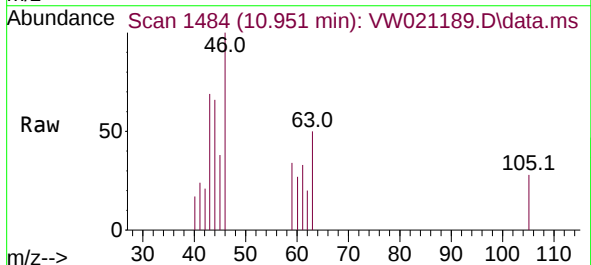


Tgt Ion:164 Resp: 1068

Ion	Ratio	Lower	Upper
164	100		
129	96.5	65.5	121.7
131	68.9	59.7	110.9
166	116.7	88.7	164.7

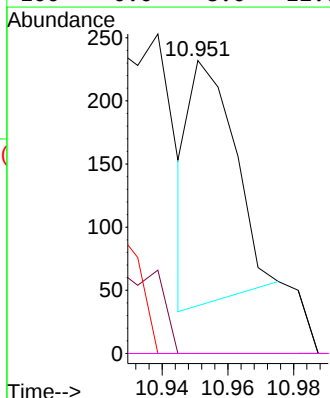
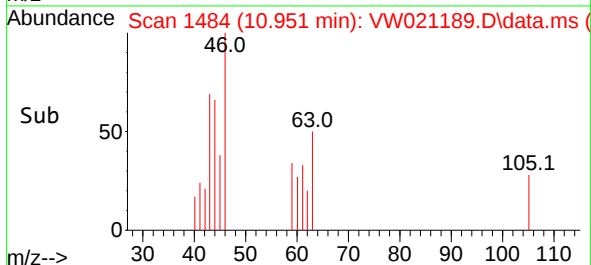


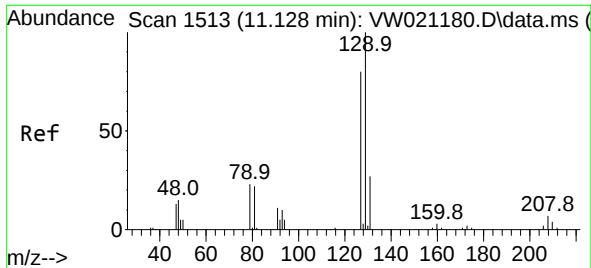
#48
2-Hexanone
Concen: 2.108 ug/L
RT: 10.951 min Scan# 1484
Delta R.T. -0.018 min
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Acq: 07 Dec 2021 00:03



Tgt Ion: 43 Resp: 183

Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.2	60.2#
57	0.0	14.3	21.5#
100	0.0	8.0	12.0#

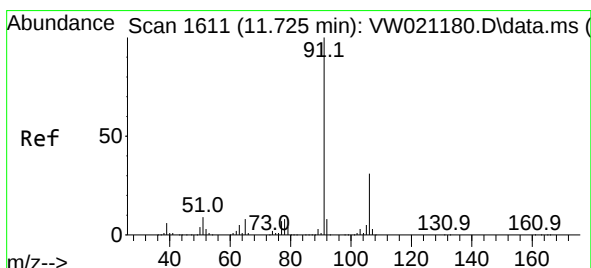
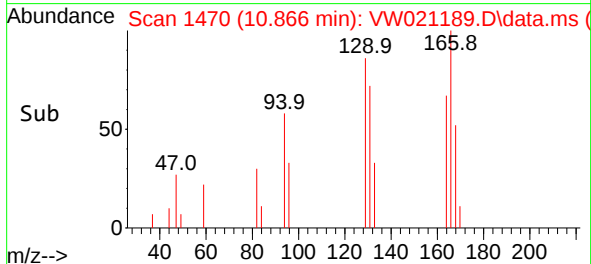
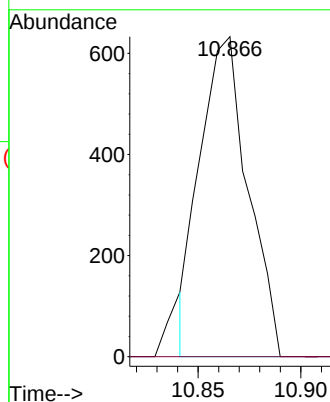
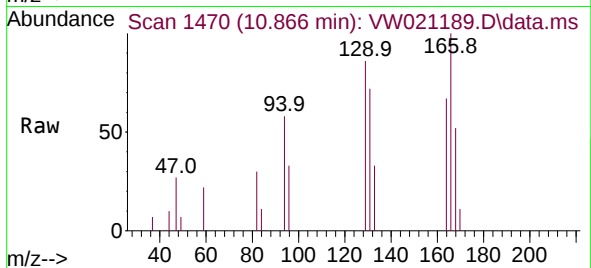




#49
Dibromochloromethane
Concen: 5.553 ug/L
RT: 10.866 min Scan# 14
Delta R.T. -0.262 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

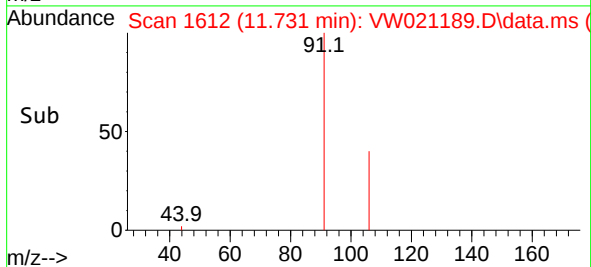
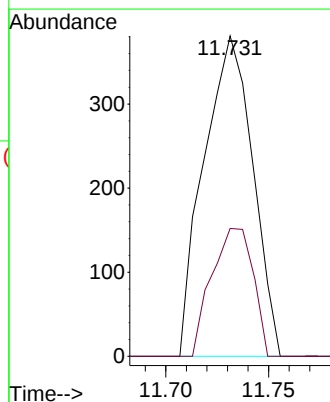
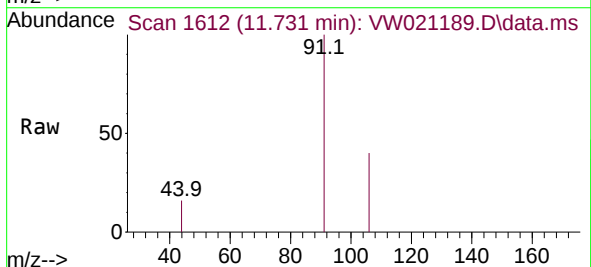
Instrument :
MSVOA_W
ClientSampleId :
EX8B5

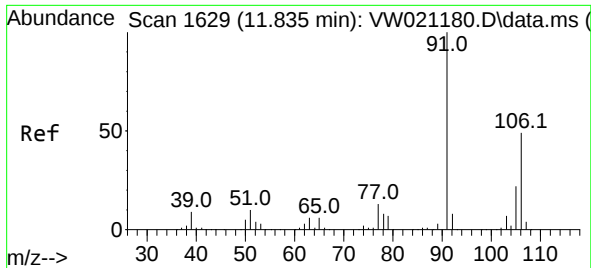
Tgt Ion:129 Resp: 1028
Ion Ratio Lower Upper
129 100
127 0.0 55.7 103.5#



#52
Ethylbenzene
Concen: 0.626 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

Tgt Ion: 91 Resp: 629
Ion Ratio Lower Upper
91 100
106 39.9 21.5 39.9

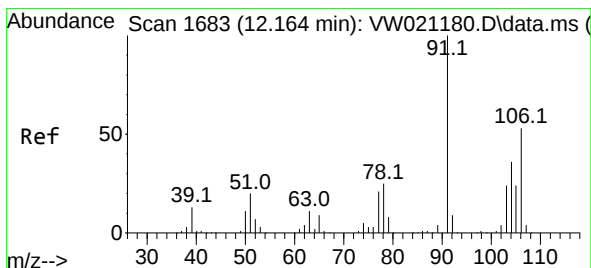
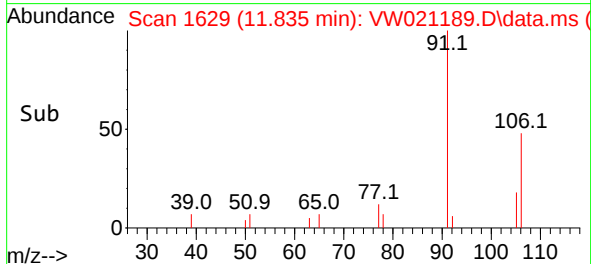
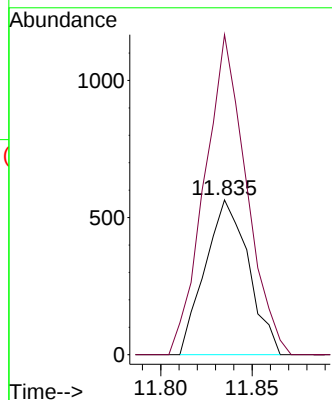
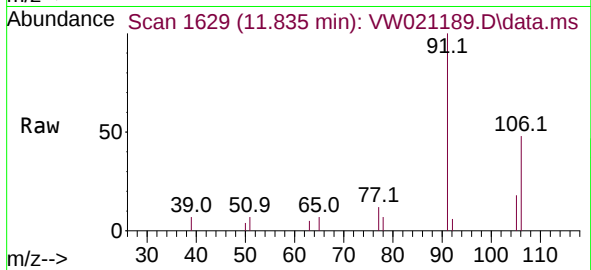




#53
m,p-Xylene
Concen: 2.244 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

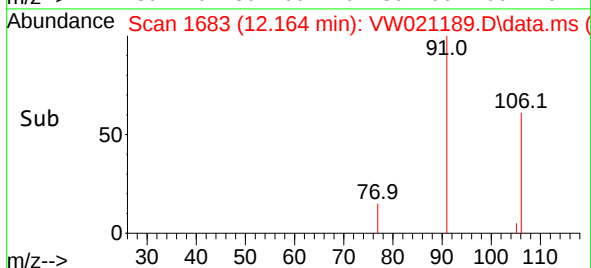
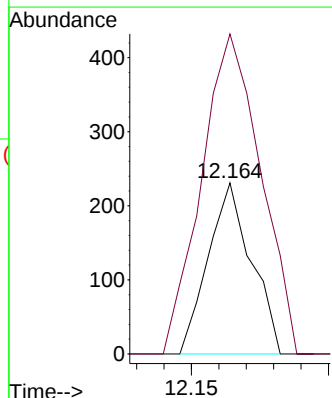
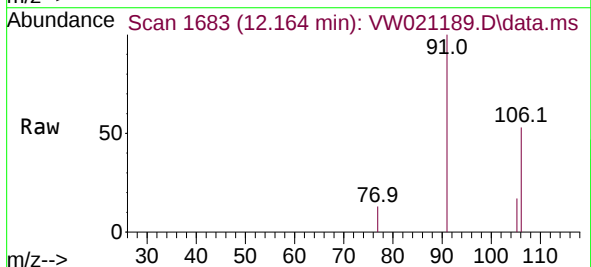
Instrument :
MSVOA_W
ClientSampleId :
EX8B5

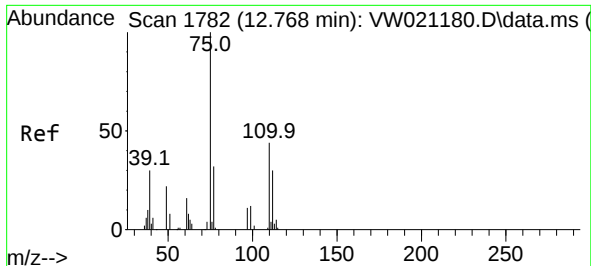
Tgt Ion:106 Resp: 933
Ion Ratio Lower Upper
106 100
91 206.9 149.9 278.3



#54
o-Xylene
Concen: 0.645 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW021189.D
Acq: 07 Dec 2021 00:03

Tgt Ion:106 Resp: 253
Ion Ratio Lower Upper
106 100
91 187.0 153.6 285.3





#61

1,2,3-Trichloropropane

Concen: 1.311 ug/L

RT: 12.609 min Scan# 11

Delta R.T. -0.159 min

Lab File: VW021189.D

Acq: 07 Dec 2021 00:03

Instrument :

MSVOA_W

ClientSampleId :

EX8B5

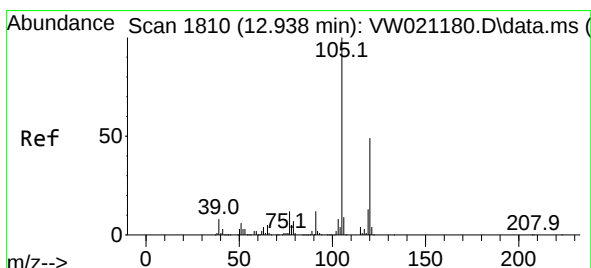
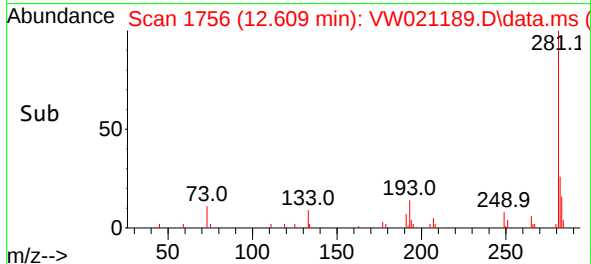
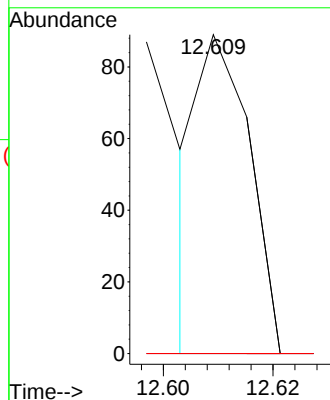
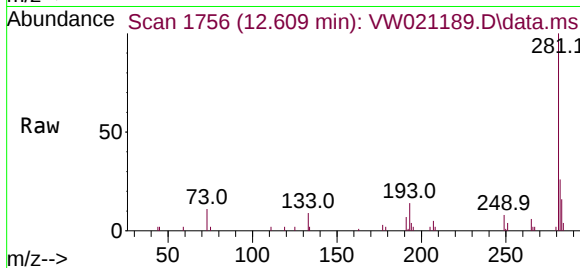
Tgt Ion: 75 Resp: 57

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

110 0.0 29.0 43.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.368 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.311 min

Lab File: VW021189.D

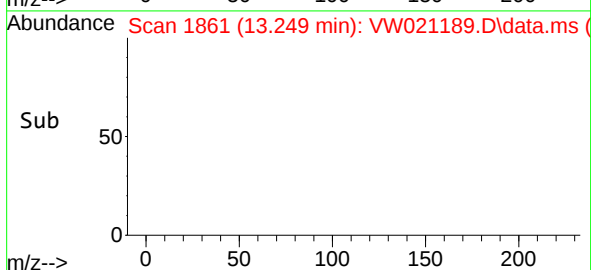
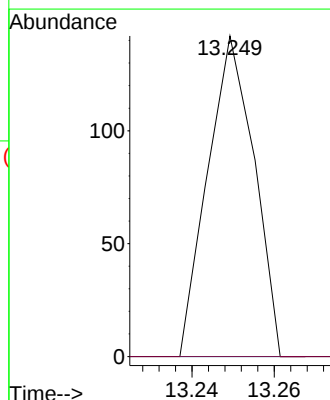
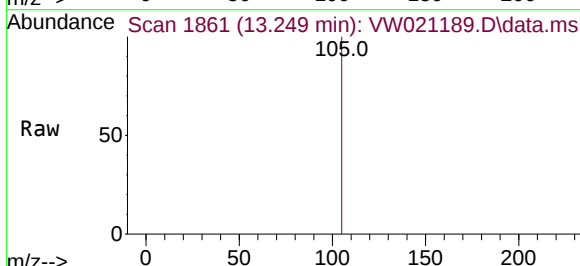
Acq: 07 Dec 2021 00:03

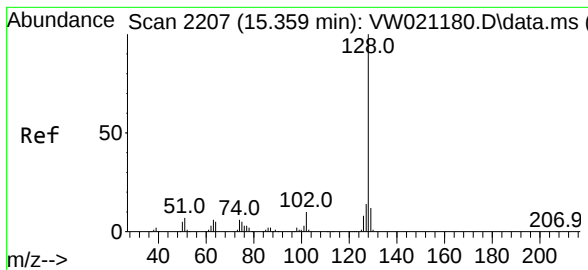
Tgt Ion: 105 Resp: 111

Ion Ratio Lower Upper

105 100

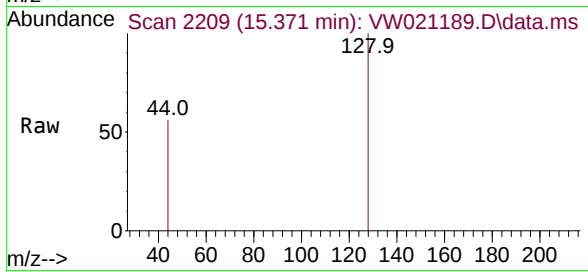
120 0.0 37.4 56.2#





#71
 Naphthalene
 Concen: 1.117 ug/L
 RT: 15.371 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VW021189.D
 Acq: 07 Dec 2021 00:03

Instrument :
 MSVOA_W
 ClientSampleId :
 EX8B5



Tgt Ion:128 Resp: 213

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	12.8#

