

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120321\
 Data File : VW021066.D
 Acq On : 03 Dec 2021 16:04
 Operator : SY/VA
 Sample : M4881-03RE
 Misc : 3.61g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 04 01:39:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 04 01:31:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	54151	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.633	117	28114	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	6106	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	17839	23.645	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.560%
7) Chloroethane-d5	2.885	69	15287	30.268	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.080%
11) 1,1-Dichloroethene-d2	4.019	63	21025	17.444	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.760%
21) 2-Butanone-d5	7.079	46	9497	55.186	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.380%
24) Chloroform-d	7.646	84	46211	34.075	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	136.320%
26) 1,2-Dichloroethane-d4	8.305	65	22742	30.653	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.600%
32) Benzene-d6	8.274	84	64473	44.851	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	179.400%#
36) 1,2-Dichloropropane-d6	9.274	67	24115	60.367	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	241.480%#
41) Toluene-d8	10.323	98	44995	30.526	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	122.120%
43) trans-1,3-Dichloroprop...	10.579	79	4805	26.490	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.960%
47) 2-Hexanone-d5	10.920	63	5878	76.907	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	153.820%#
56) 1,1,2,2-Tetrachloroeth...	12.688	84	14298	38.688	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	154.760%#
66) 1,2-Dichlorobenzene-d4	13.853	152	5710	26.100	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.400%
Target Compounds						Qvalue
13) Acetone	4.129	43	569	3.630	ug/L	95
16) Methylene chloride	4.921	84	4519	5.297	ug/L	77
22) 2-Butanone	7.140	43	2565	11.824	ug/L #	52
29) Cyclohexane	7.963	56	308	0.497	ug/L #	1
34) Trichloroethene	8.841	95	1573	3.566	ug/L #	5
35) Methylcyclohexane	9.335	83	1773	2.388	ug/L	89
37) 1,2-Dichloropropane	9.274	63	3119	8.632	ug/L #	88
39) cis-1,3-Dichloropropene	10.036	75	528	0.903	ug/L	87
42) Toluene	10.384	91	2242	1.228	ug/L	94
48) 2-Hexanone	10.951	43	1388	7.816	ug/L #	41
62) 1,3,5-Trimethylbenzene	12.944	105	346	0.487	ug/L	88
63) 1,2,4-Trimethylbenzene	13.249	105	616	0.862	ug/L	88
69) 1,3,5-Trichlorobenzene	14.627	180	244	0.831	ug/L #	76
70) 1,2,4-trichlorobenzene	15.127	180	216	0.895	ug/L #	83
71) Naphthalene	15.365	128	642	1.431	ug/L #	77
72) 1,2,3-Trichlorobenzene	15.554	180	288	1.368	ug/L #	68

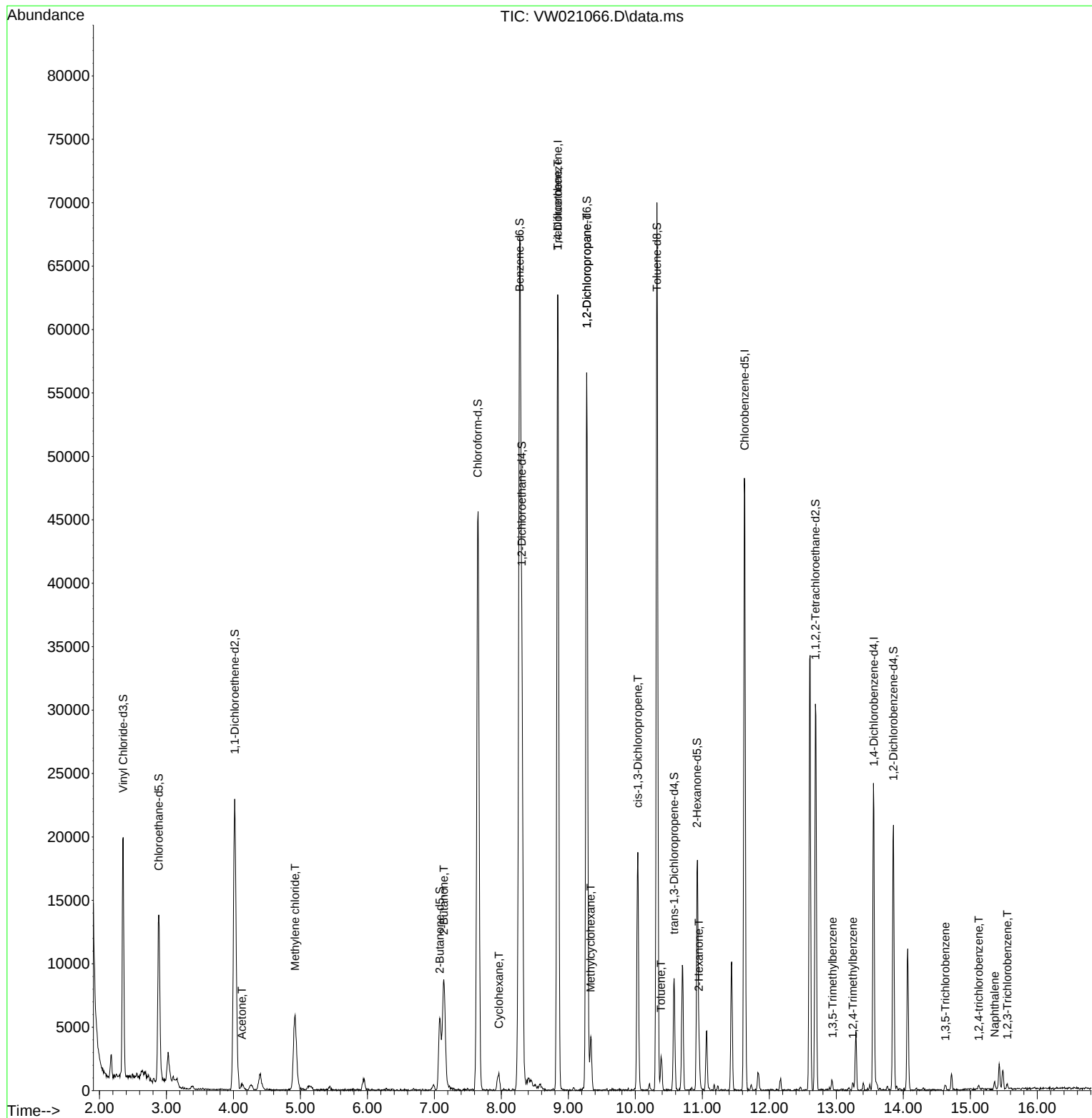
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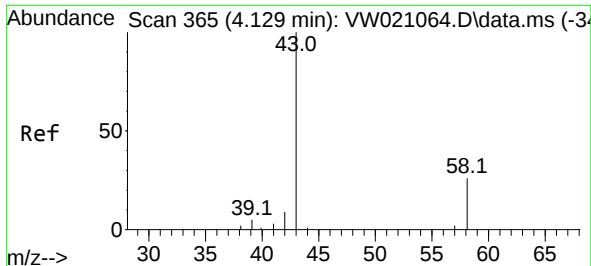
Instrument :
MSVOA_W
ClientSampleId :

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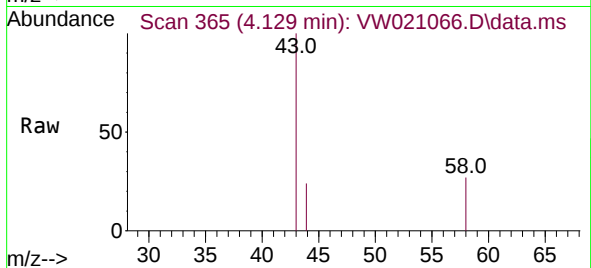
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Quant Title : SFAM01.0
QLast Update : Sat Dec 04 01:31:24 2021
Response via : Initial Calibration



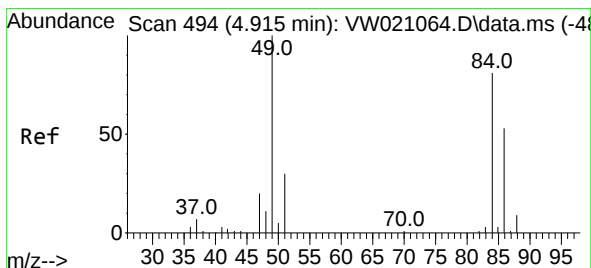
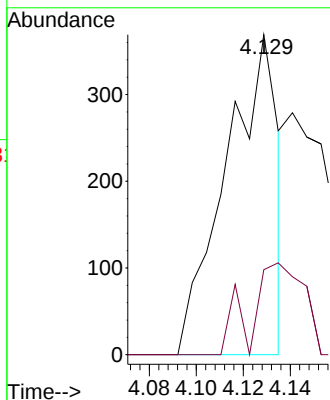
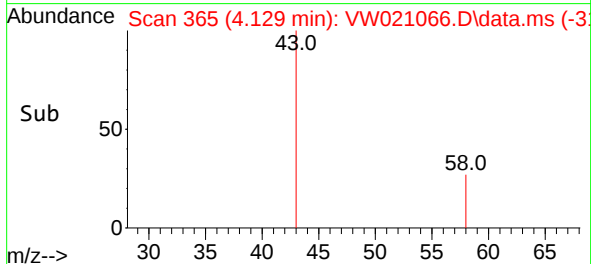


#13
Acetone
Concen: 3.630 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.000 min
Lab File: VW021066.D
Acq: 03 Dec 2021 16:04

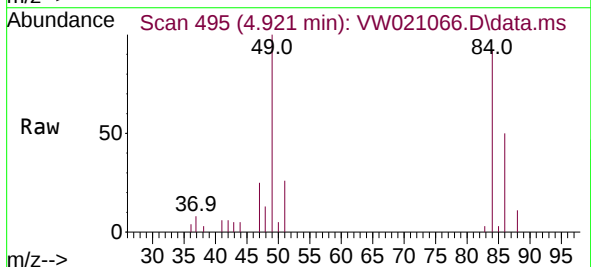
Instrument :
MSVOA_W
ClientSampleId :



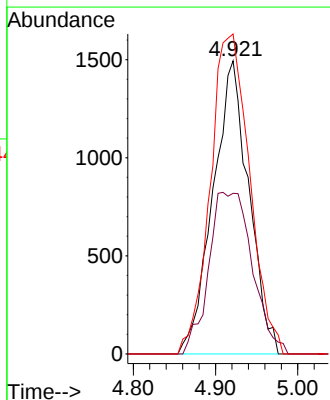
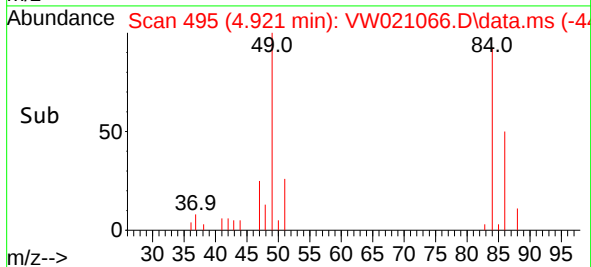
Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
58 23.9 0.0 52.8

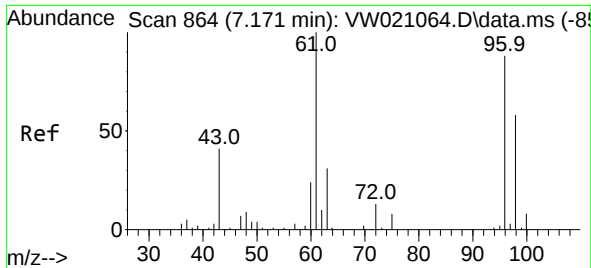


#16
Methylene chloride
Concen: 5.297 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW021066.D
Acq: 03 Dec 2021 16:04



Tgt Ion: 84 Resp: 4519
Ion Ratio Lower Upper
84 100
86 54.8 45.5 84.5
49 109.2 100.5 186.7

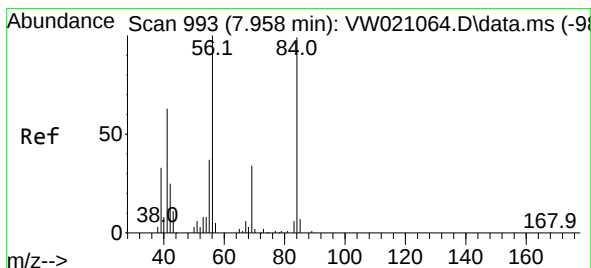
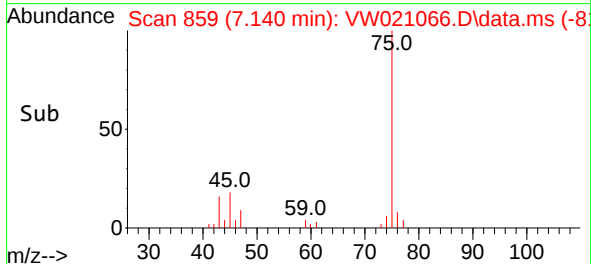
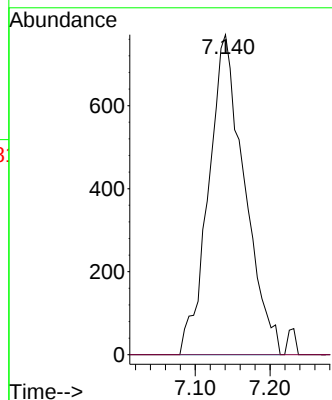
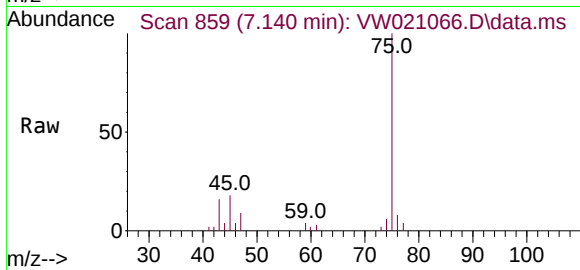




#22
2-Butanone
Concen: 11.824 ug/L
RT: 7.140 min Scan# 864
Delta R.T. -0.031 min
Lab File: VW021066.D
Acq: 03 Dec 2021 16:04

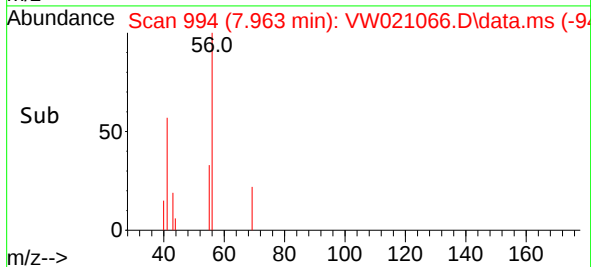
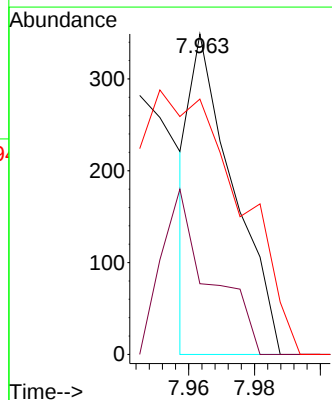
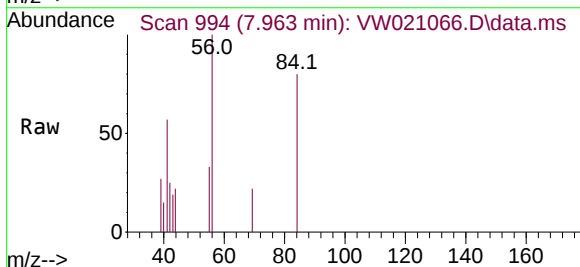
Instrument :
MSVOA_W
ClientSampleId :

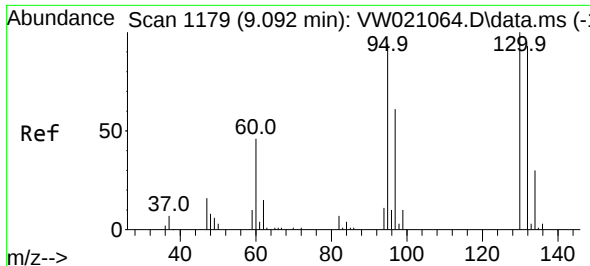
Tgt Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#



#29
Cyclohexane
Concen: 0.497 ug/L
RT: 7.963 min Scan# 994
Delta R.T. 0.006 min
Lab File: VW021066.D
Acq: 03 Dec 2021 16:04

Tgt Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
69 51.6 23.5 35.3#
84 235.7 63.4 95.2#





#34

Trichloroethene

Concen: 3.566 ug/L

RT: 8.841 min Scan# 1179

Delta R.T. -0.250 min

Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 1573

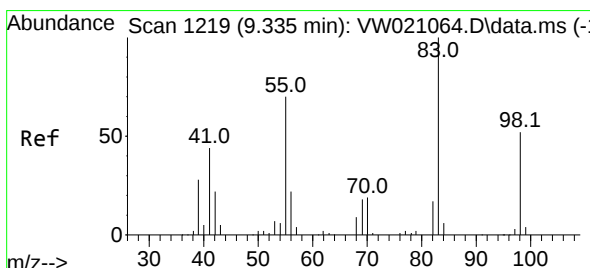
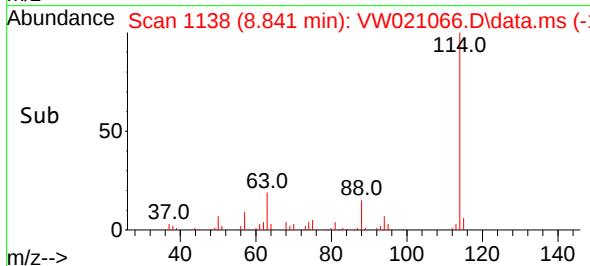
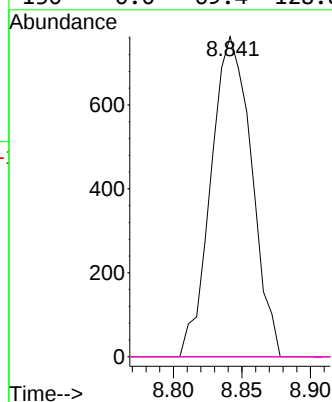
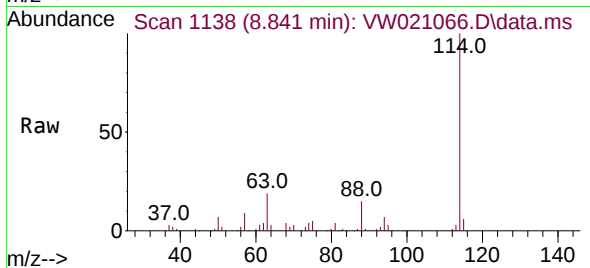
Ion Ratio Lower Upper

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: 2.388 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

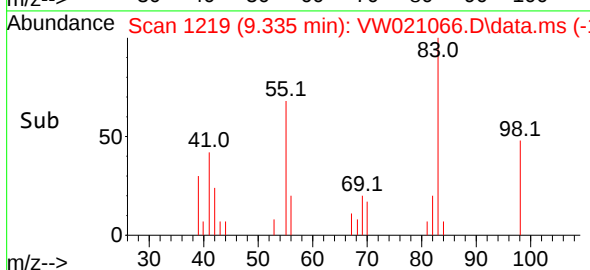
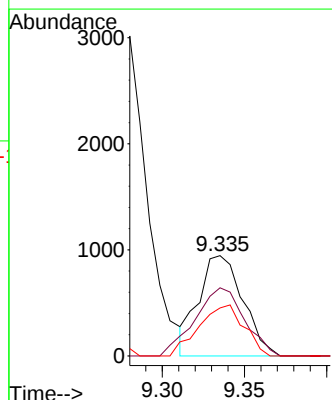
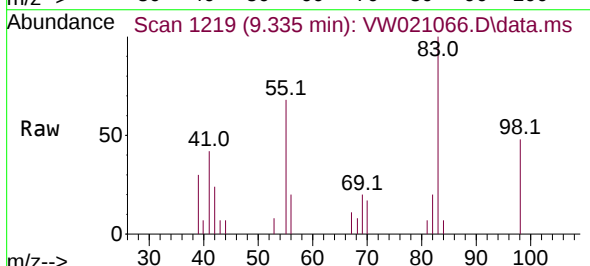
Tgt Ion: 83 Resp: 1773

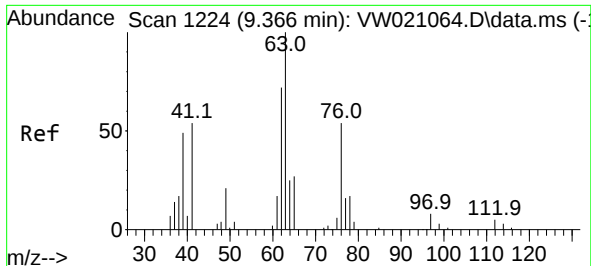
Ion Ratio Lower Upper

83 100

55 75.5 70.8 106.2

98 51.7 37.7 56.5





#37

1,2-Dichloropropane

Concen: 8.632 ug/L

RT: 9.274 min Scan# 11

Delta R.T. -0.092 min

Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

Instrument :

MSVOA_W

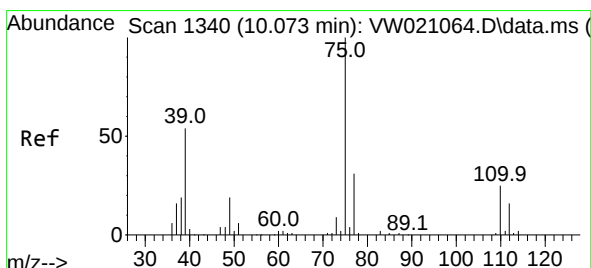
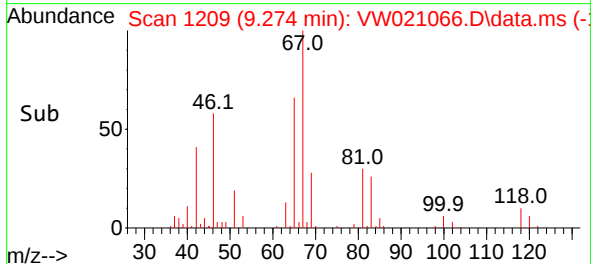
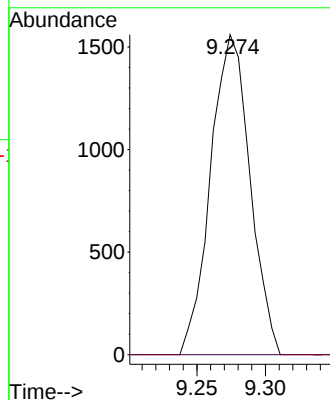
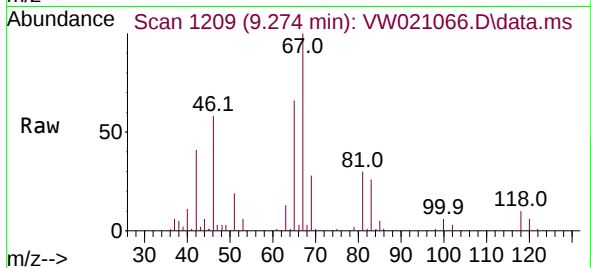
ClientSampleId :

Tgt Ion: 63 Resp: 3119

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.903 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.037 min

Lab File: VW021066.D

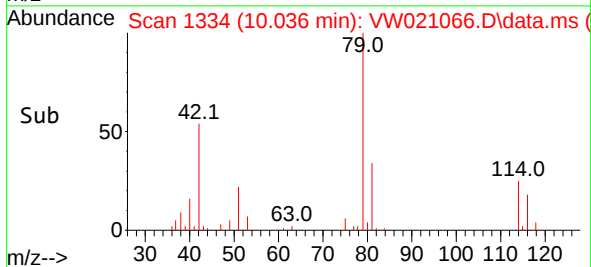
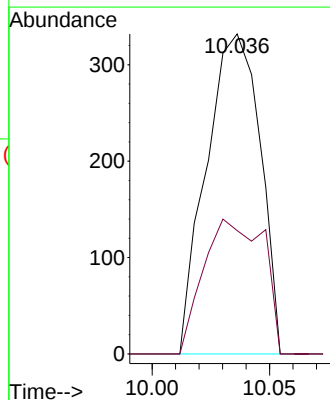
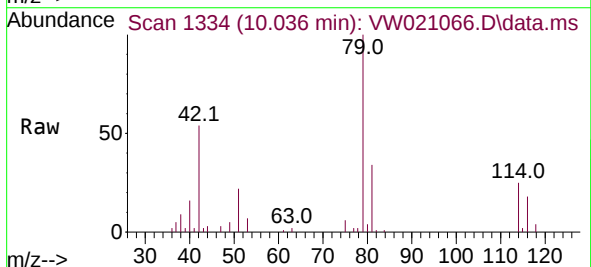
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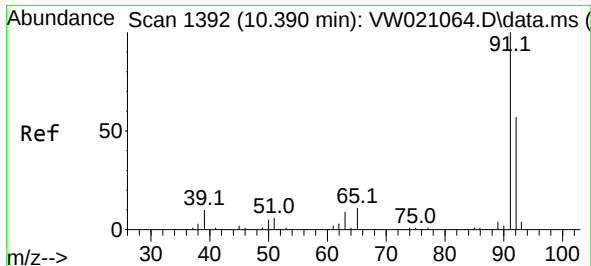
Tgt Ion: 75 Resp: 528

Ion Ratio Lower Upper

75 100

77 38.6 21.8 40.6

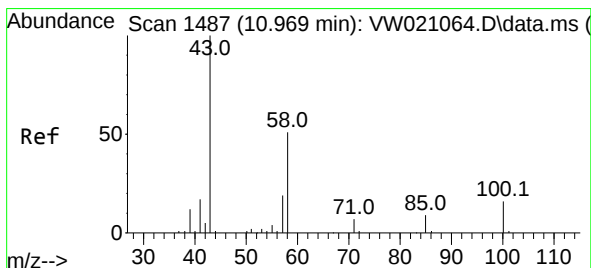
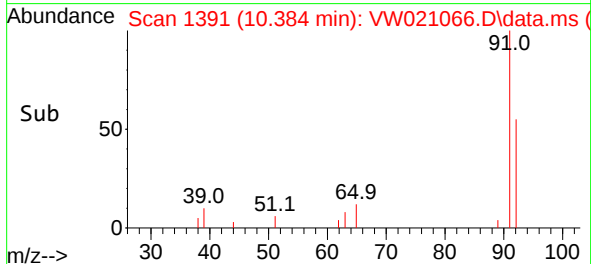
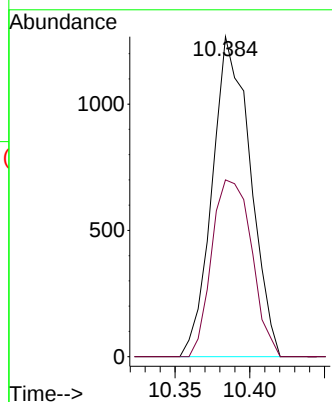
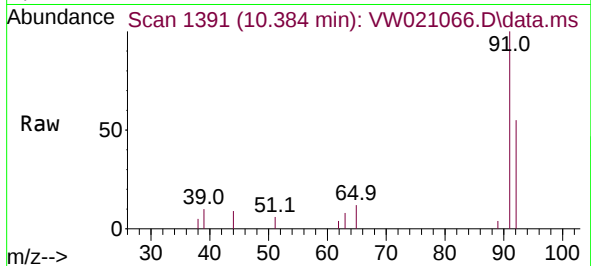




#42
Toluene
Concen: 1.228 ug/L
RT: 10.384 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW021066.D
Acq: 03 Dec 2021 16:04

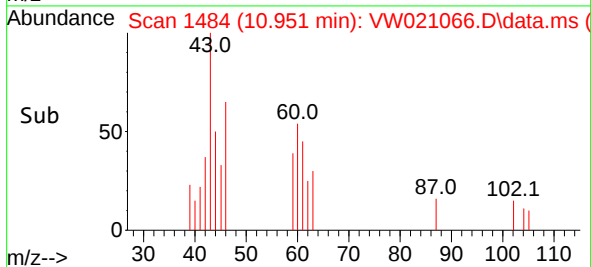
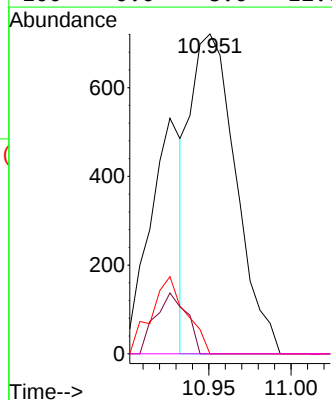
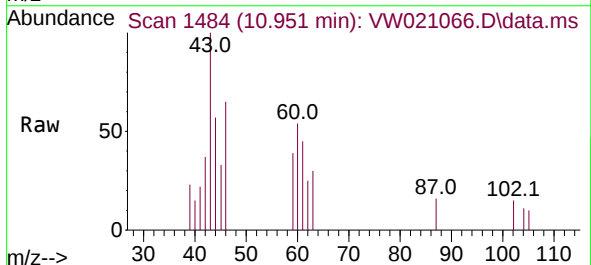
Instrument :
MSVOA_W
ClientSampleId :

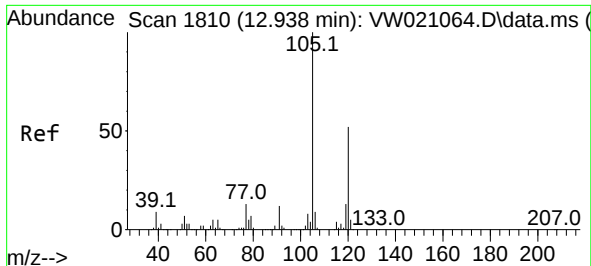
Tgt Ion: 91 Resp: 2242
Ion Ratio Lower Upper
91 100
92 55.2 41.7 77.5



#48
2-Hexanone
Concen: 7.816 ug/L
RT: 10.951 min Scan# 1484
Delta R.T. -0.019 min
Lab File: VW021066.D
Acq: 03 Dec 2021 16:04

Tgt Ion: 43 Resp: 1388
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#





#62

1,3,5-Trimethylbenzene

Concen: 0.487 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

Instrument :

MSVOA_W

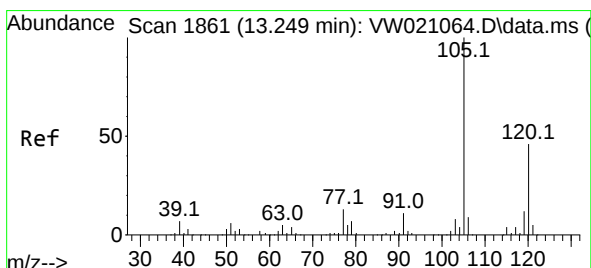
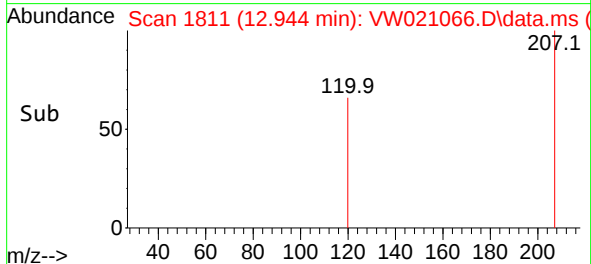
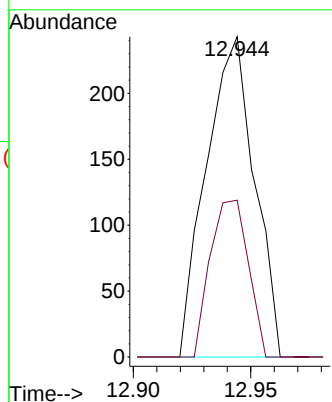
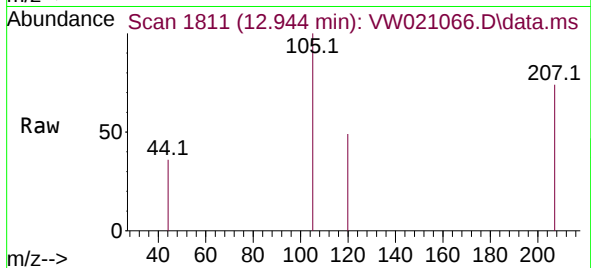
ClientSampleId :

Tgt Ion:105 Resp: 346

Ion Ratio Lower Upper

105 100

120 38.7 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 0.862 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW021066.D

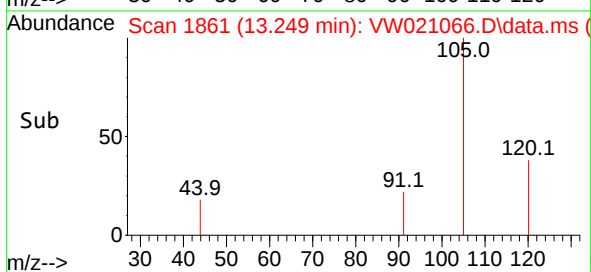
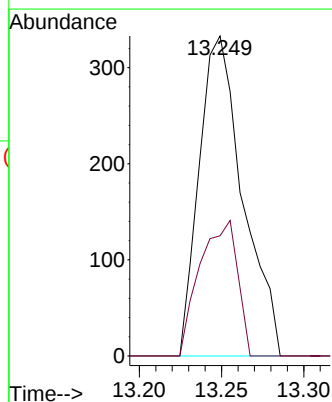
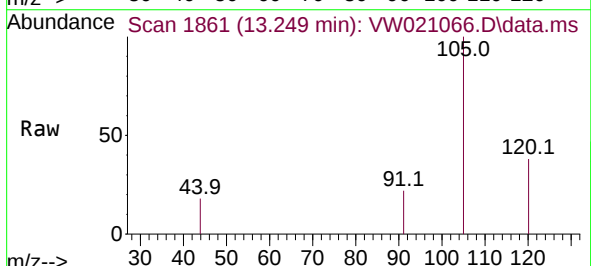
Acq: 03 Dec 2021 16:04

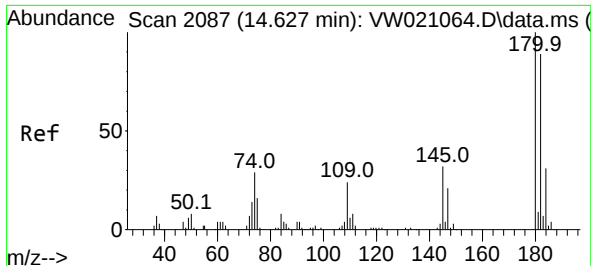
Tgt Ion:105 Resp: 616

Ion Ratio Lower Upper

105 100

120 36.4 35.0 52.6





#69

1,3,5-Trichlorobenzene

Concen: 0.831 ug/L

RT: 14.627 min Scan# 2087

Delta R.T. -0.000 min

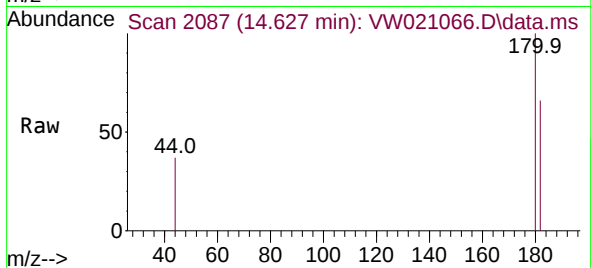
Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 244

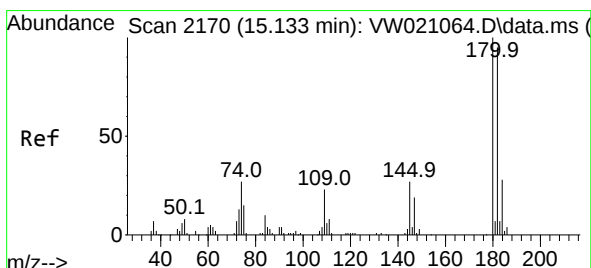
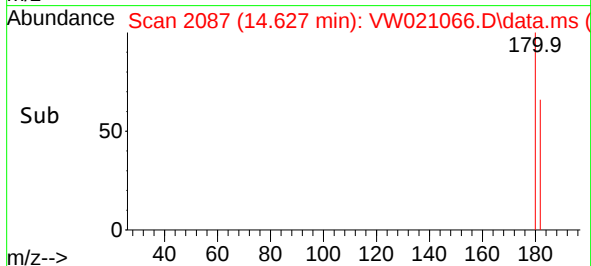
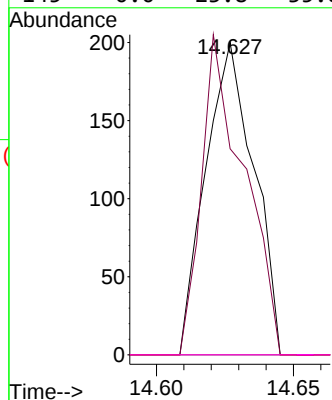
Ion Ratio Lower Upper

180 100

182 90.6 75.4 113.0

184 0.0 23.8 35.8#

145 0.0 23.8 35.8#



#70

1,2,4-trichlorobenzene

Concen: 0.895 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

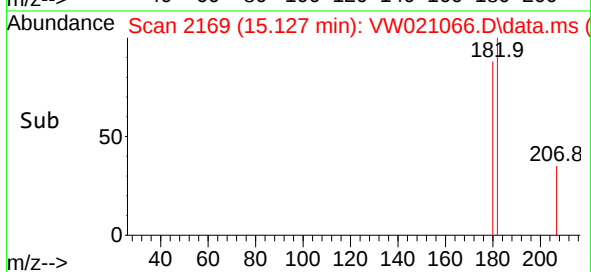
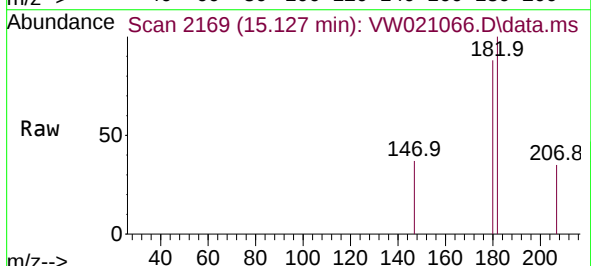
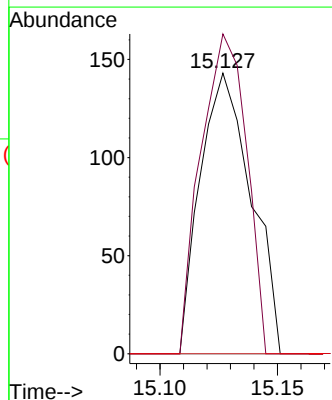
Tgt Ion:180 Resp: 216

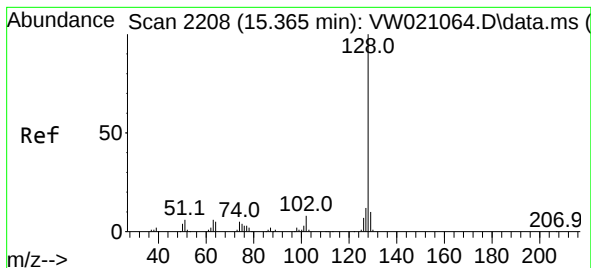
Ion Ratio Lower Upper

180 100

182 102.3 79.0 118.6

145 0.0 26.0 39.0#





#71

Naphthalene

Concen: 1.431 ug/L

RT: 15.365 min Scan# 21

Delta R.T. -0.000 min

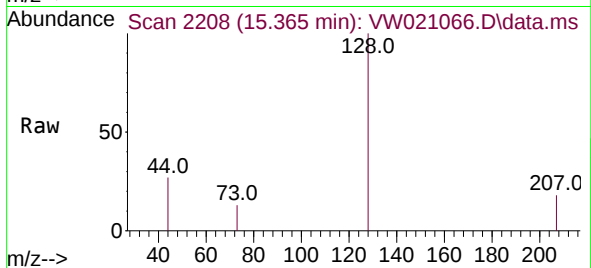
Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

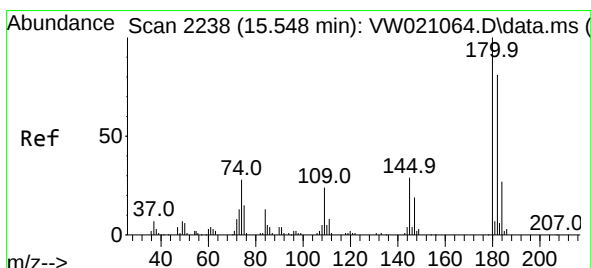
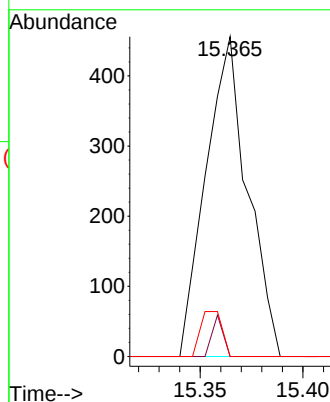
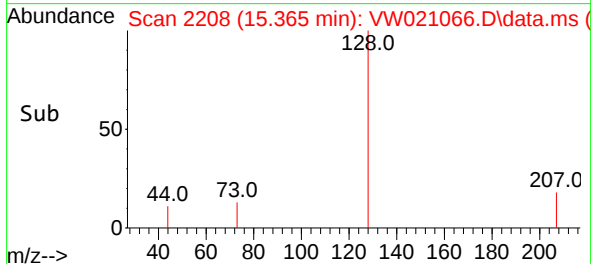
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	128	Resp:	642
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	7.3	8.6	12.8#



#72

1,2,3-Trichlorobenzene

Concen: 1.368 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW021066.D

Acq: 03 Dec 2021 16:04

Tgt Ion:	180	Resp:	288
Ion	Ratio	Lower	Upper
180	100		
182	74.0	76.6	114.8#
145	0.0	27.4	41.0#

