

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010108.D
 Acq On : 19 Aug 2022 17:04
 Operator : KP/MD
 Sample : N4200-01
 Misc : 11.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S13

Quant Time: Aug 22 02:42:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

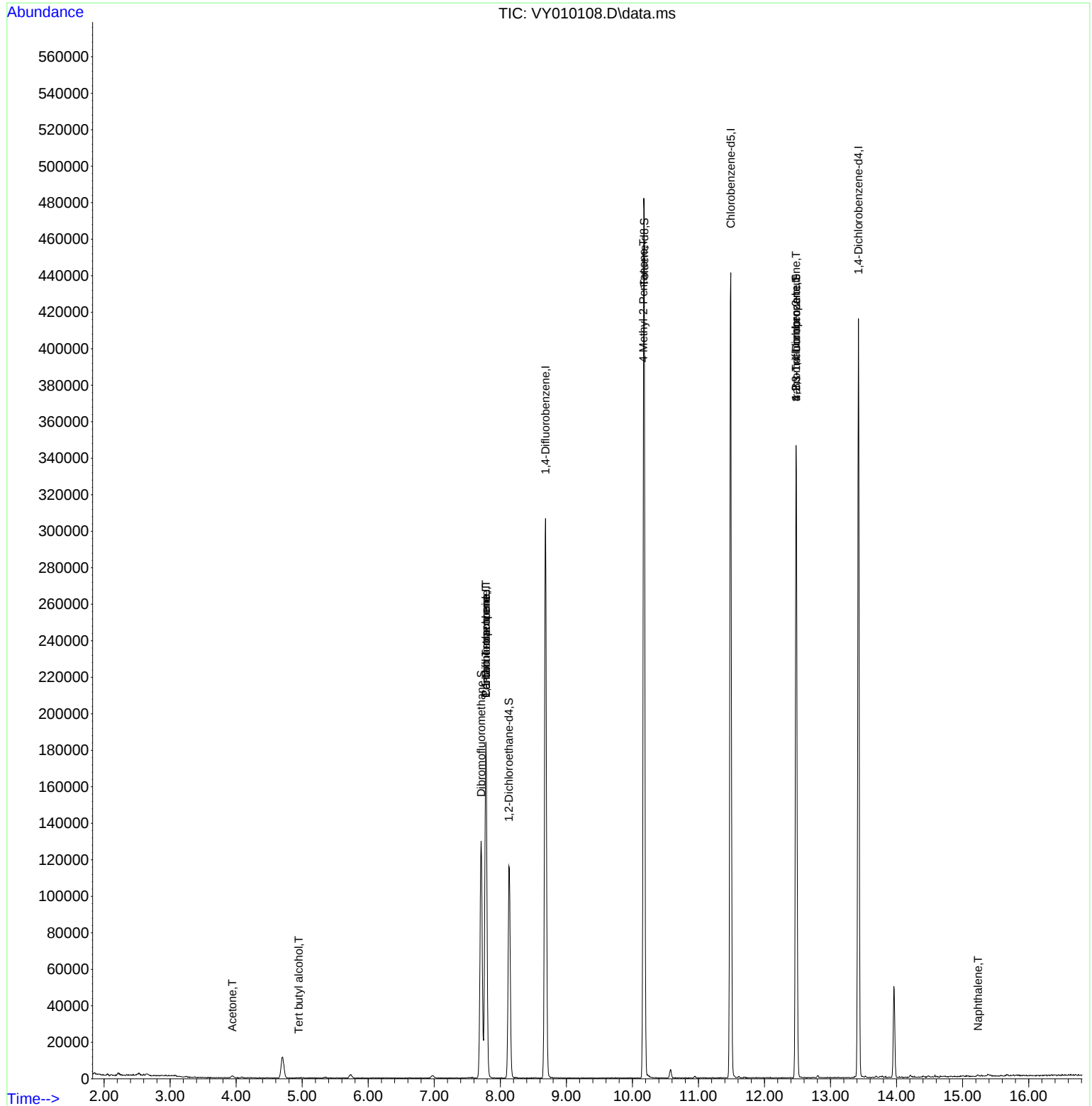
Internal Standards						
1) Pentafluorobenzene	7.783	168	153252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	257419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	108695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	89293	71.134	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 142.260%	
35) Dibromofluoromethane	7.710	113	93601	59.715	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 119.420%	
50) Toluene-d8	10.179	98	329795	56.150	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 112.300%	
62) 4-Bromofluorobenzene	12.477	95	98897	47.127	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 94.260%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.948	59	110	11.264	ug/l #	73
16) Acetone	3.942	43	1825	5.809	ug/l	98
20) Methylene Chloride	4.704	84	9013	Below Cal		94
36) 1,1-Dichloropropene	7.783	75	10137	4.052	ug/l #	49
38) Carbon Tetrachloride	7.783	117	14141	5.389	ug/l #	16
51) 4-Methyl-2-Pentanone	10.166	43	1303	1.050	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	47654	46.813	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47654	94.025	ug/l #	18
95) Naphthalene	15.233	128	799	4.066	ug/l #	69

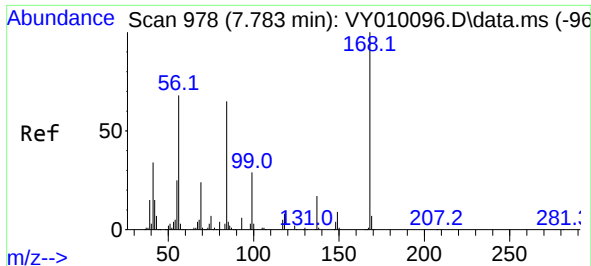
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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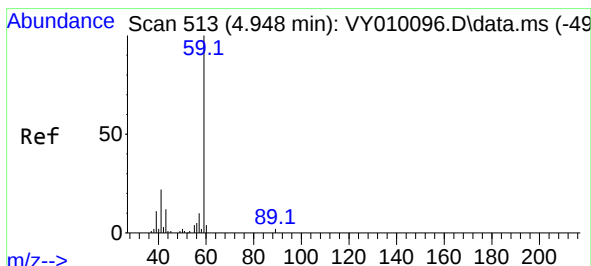
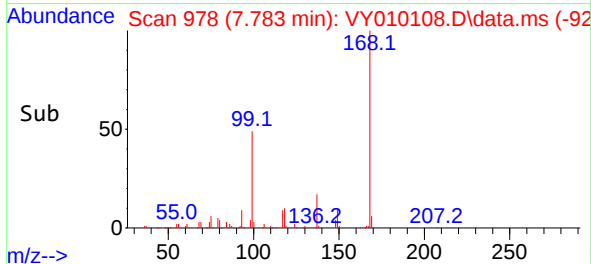
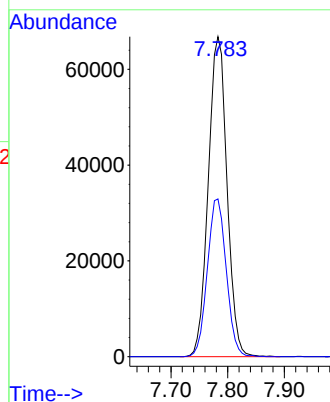
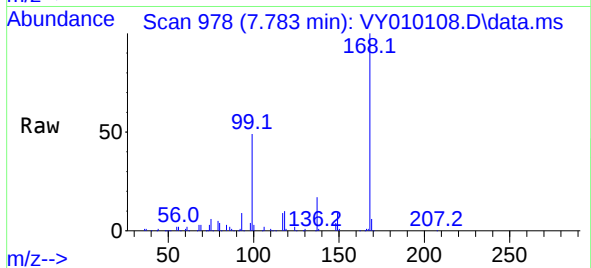




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

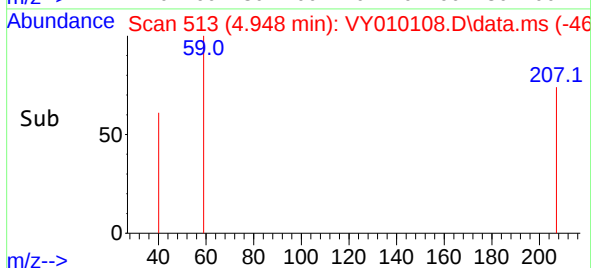
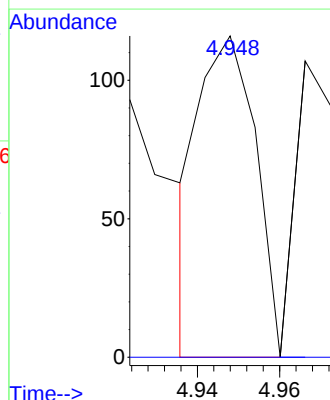
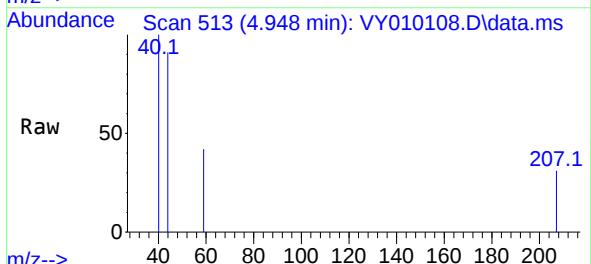
Instrument :
MSVOA_Y
ClientSampleId :
S13

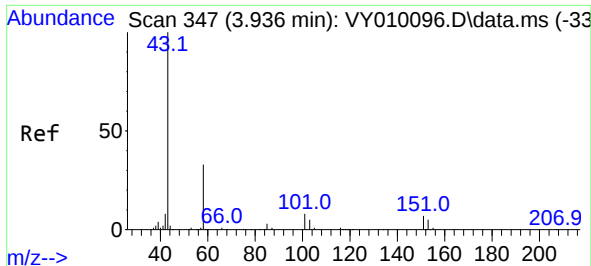
Tgt Ion:168 Resp: 153252
Ion Ratio Lower Upper
168 100
99 49.3 40.7 61.1



#11
Tert butyl alcohol
Concen: 11.264 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

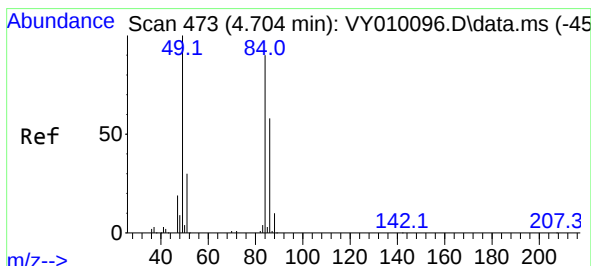
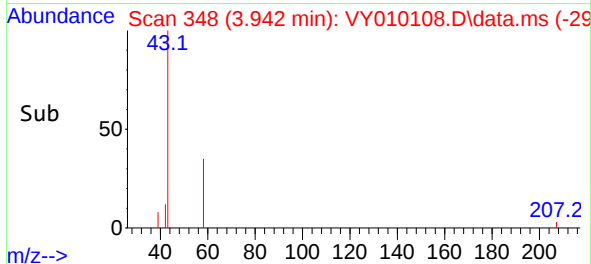
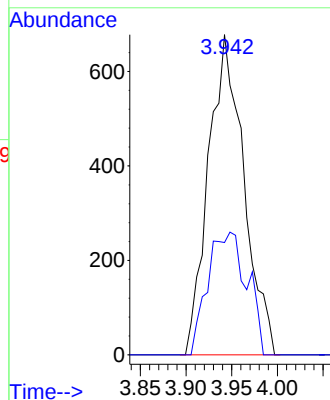
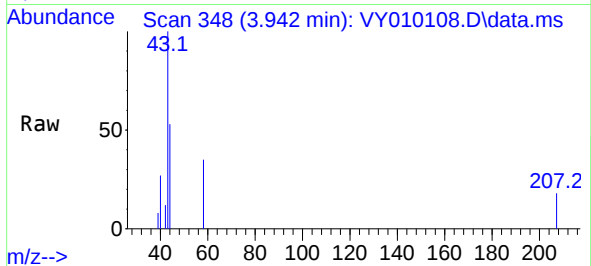




#16
Acetone
Concen: 5.809 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

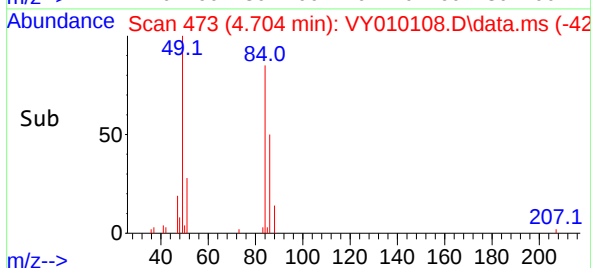
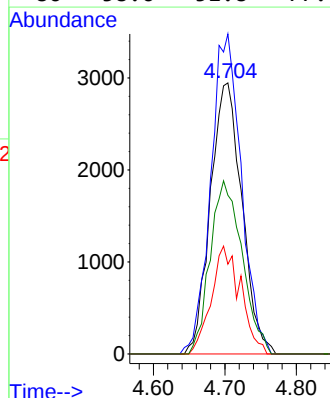
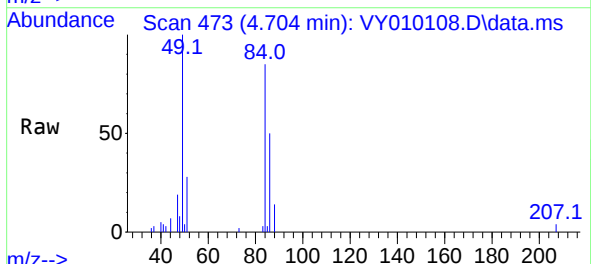
Instrument :
MSVOA_Y
ClientSampleId :
S13

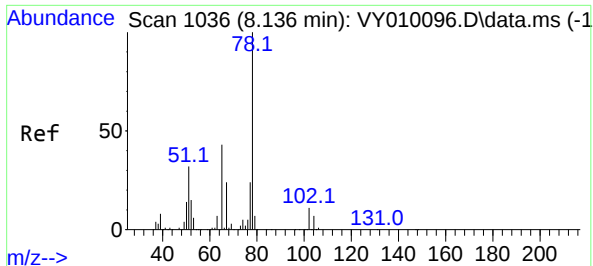
Tgt Ion: 43 Resp: 1825
Ion Ratio Lower Upper
43 100
58 35.1 27.4 41.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

Tgt Ion: 84 Resp: 9013
Ion Ratio Lower Upper
84 100
49 118.1 89.0 133.4
51 33.1 27.0 40.6
86 58.6 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 71.134 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY010108.D

Acq: 19 Aug 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

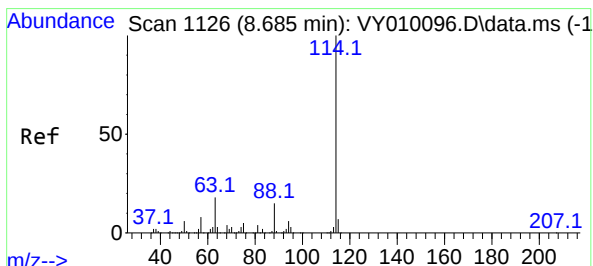
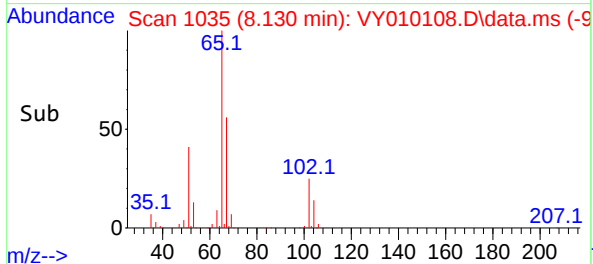
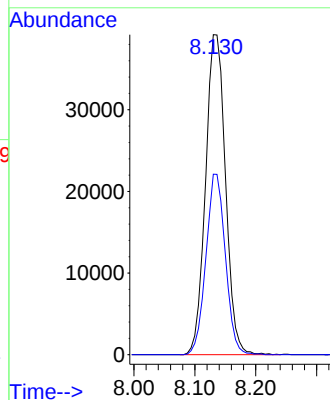
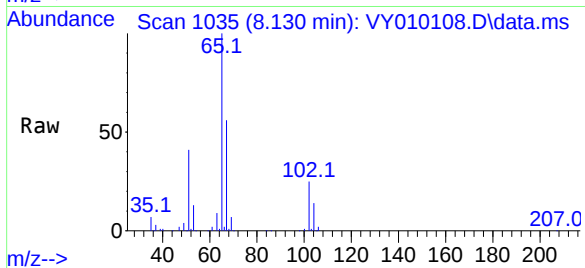
S13

Tgt Ion: 65 Resp: 89293

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010108.D

Acq: 19 Aug 2022 17:04

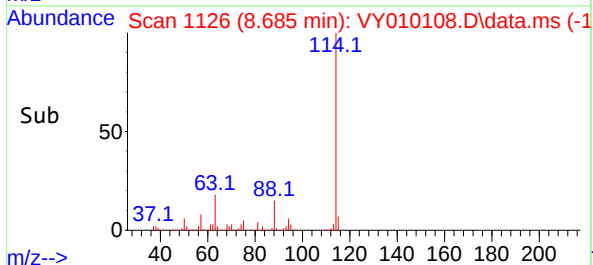
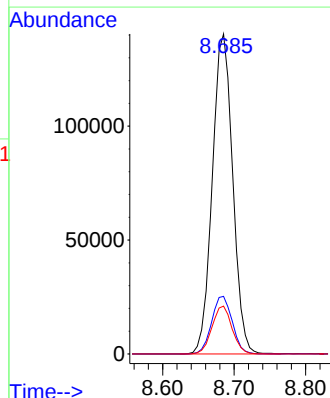
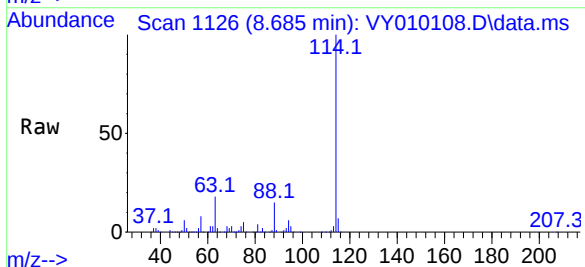
Tgt Ion:114 Resp: 278176

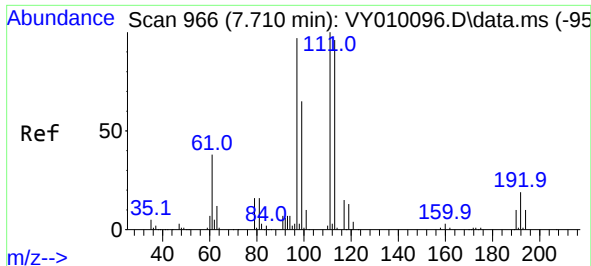
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 14.9 0.0 29.6

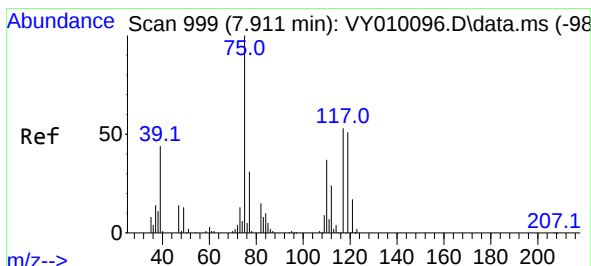
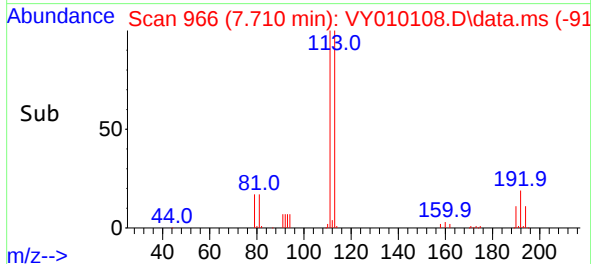
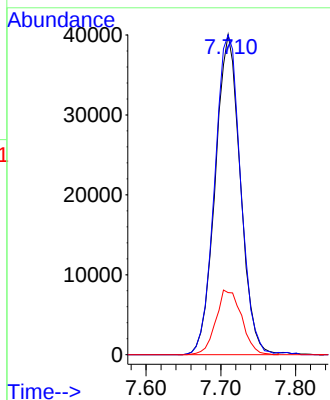
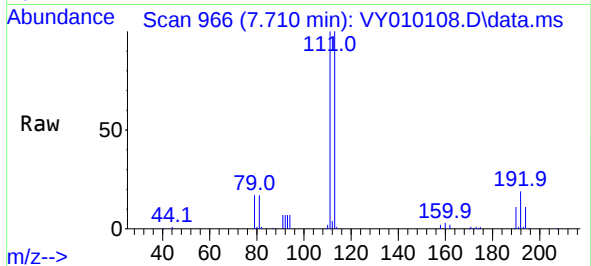




#35
Dibromofluoromethane
Concen: 59.715 ug/l
RT: 7.710 min Scan# 913
Delta R.T. -0.000 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

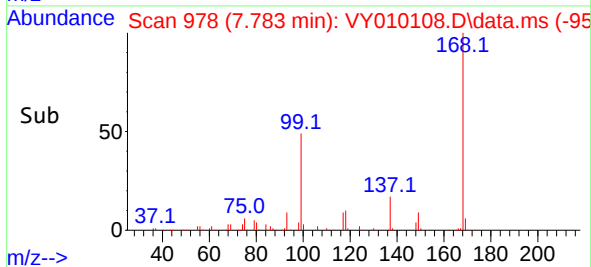
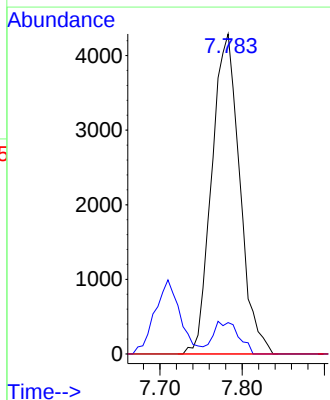
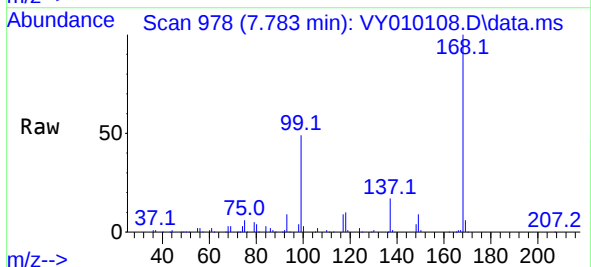
Instrument :
MSVOA_Y
ClientSampleId :
S13

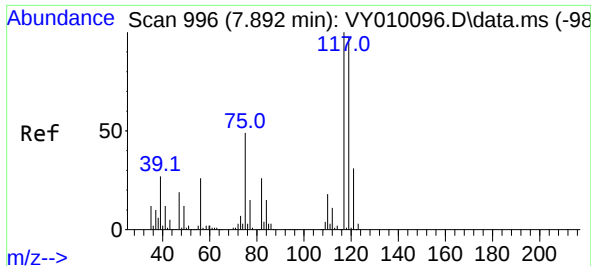
Tgt Ion:113 Resp: 93601
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 20.7 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.052 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

Tgt Ion: 75 Resp: 10137
Ion Ratio Lower Upper
75 100
110 9.2 18.6 56.0#
77 0.0 24.9 37.3#

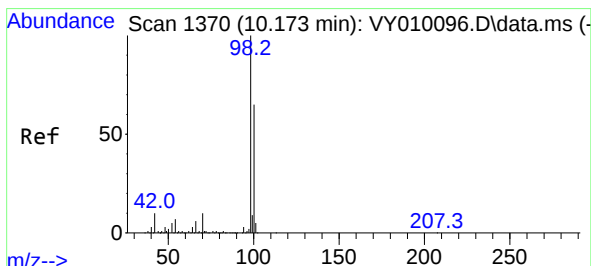
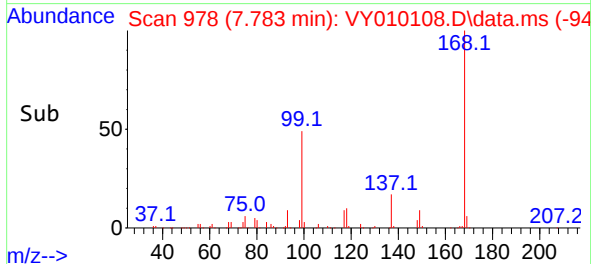
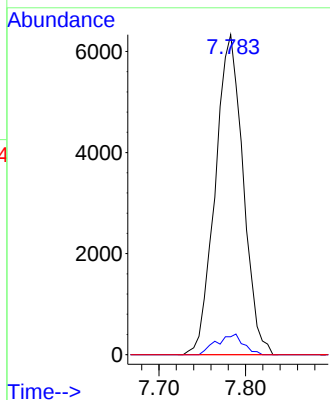
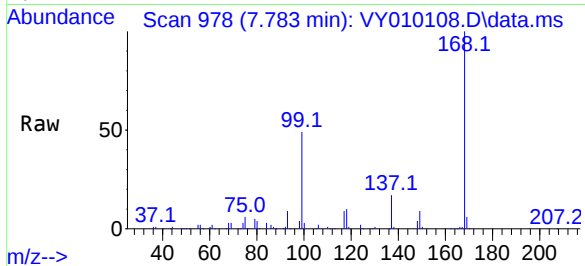




#38
Carbon Tetrachloride
Concen: 5.389 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

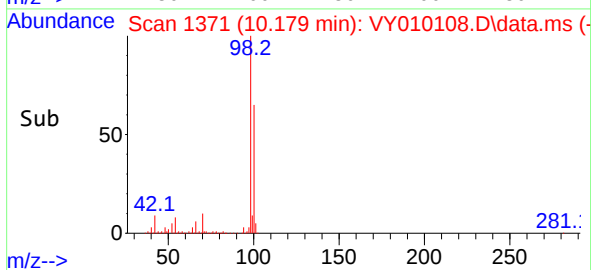
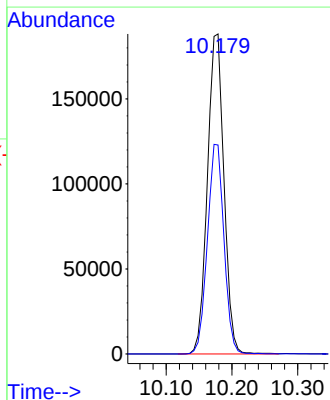
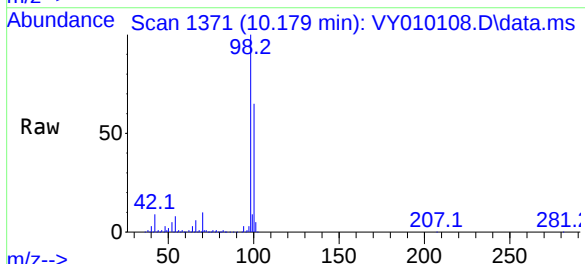
Instrument :
MSVOA_Y
ClientSampleId :
S13

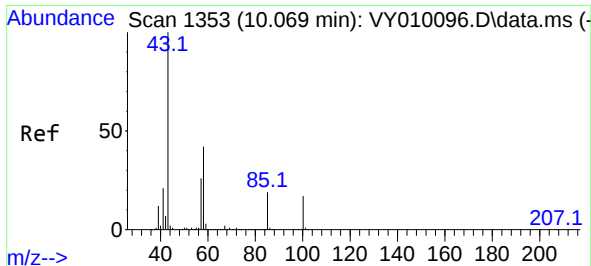
Tgt Ion:117 Resp: 14141
Ion Ratio Lower Upper
117 100
119 5.6 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 56.150 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

Tgt Ion: 98 Resp: 329795
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.050 ug/l

RT: 10.166 min Scan# 1369

Delta R.T. 0.097 min

Lab File: VY010108.D

Acq: 19 Aug 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

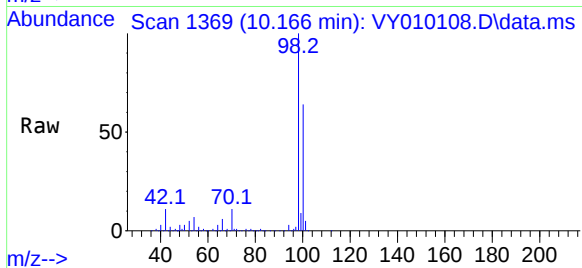
S13

Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

58 204.5 33.3 49.9#



Abundance

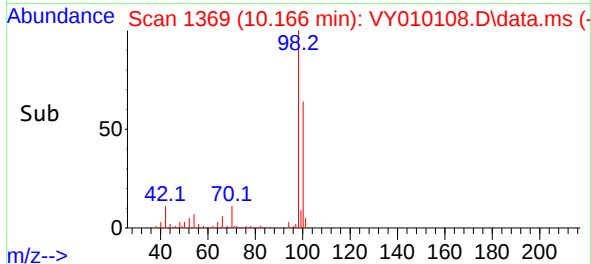
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1000

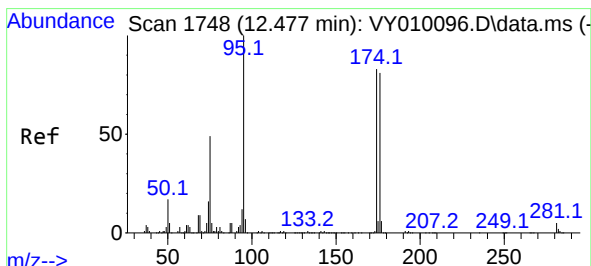
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Time-->



10.167



#62

4-Bromofluorobenzene

Concen: 47.127 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY010108.D

Acq: 19 Aug 2022 17:04

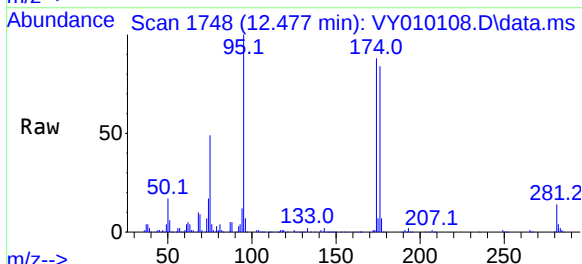
Tgt Ion: 95 Resp: 98897

Ion Ratio Lower Upper

95 100

174 89.3 0.0 173.8

176 84.8 0.0 167.2



Abundance

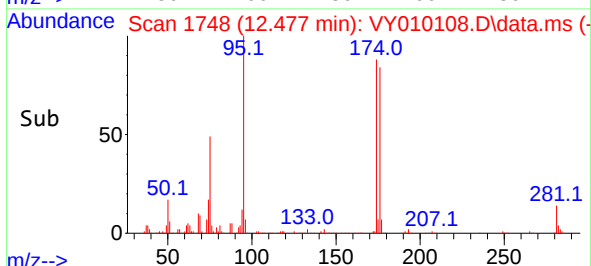
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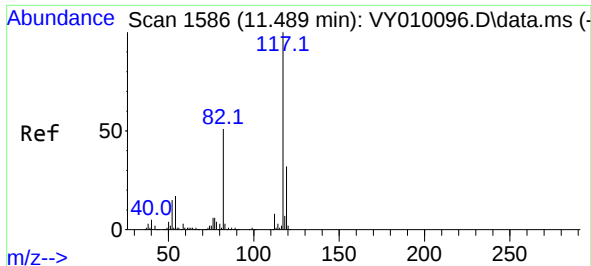
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Time-->



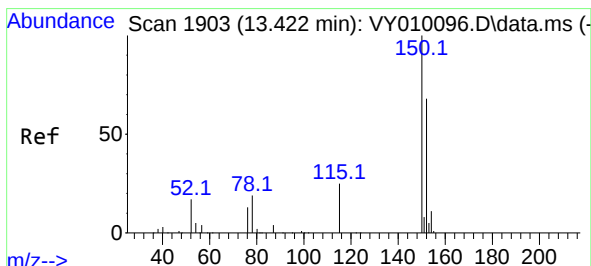
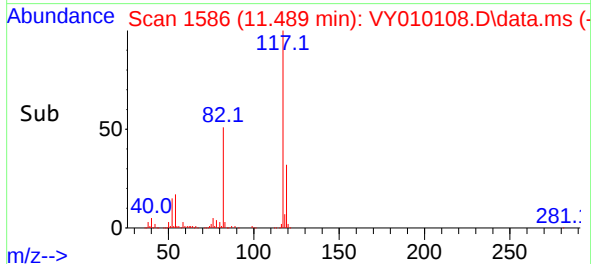
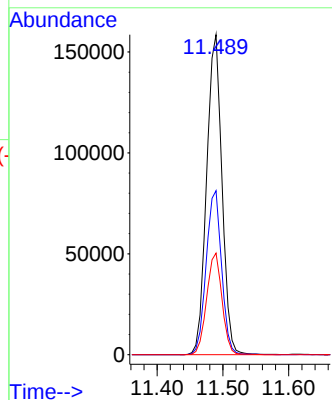
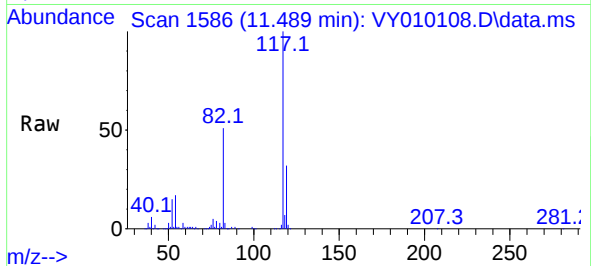
12.477



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

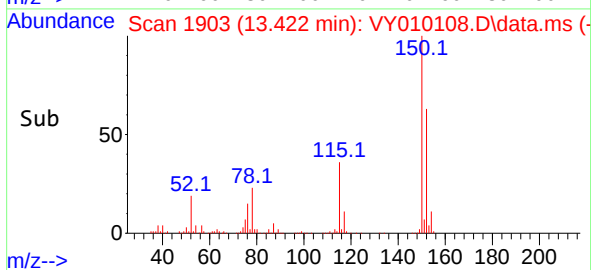
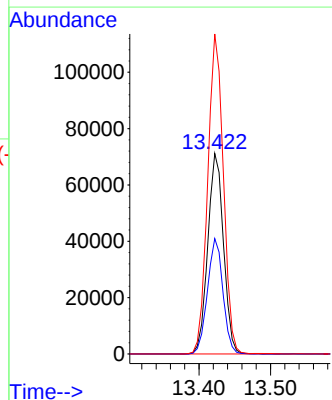
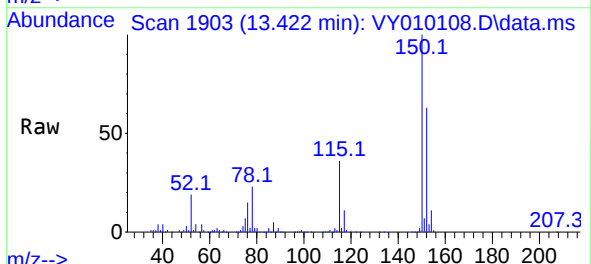
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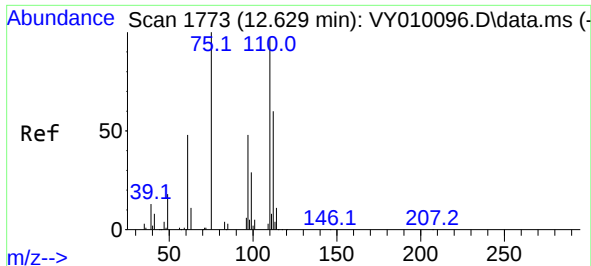
Tgt Ion:117 Resp: 257419
Ion Ratio Lower Upper
117 100
82 51.3 40.6 61.0
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

Tgt Ion:152 Resp: 108695
Ion Ratio Lower Upper
152 100
115 56.6 28.1 84.2
150 158.9 0.0 346.2

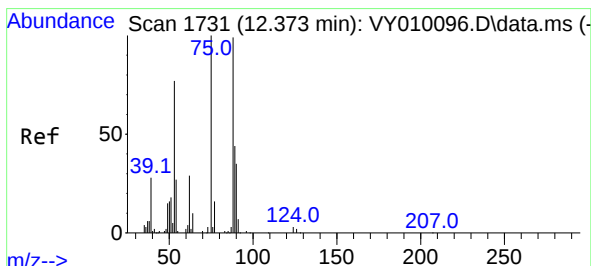
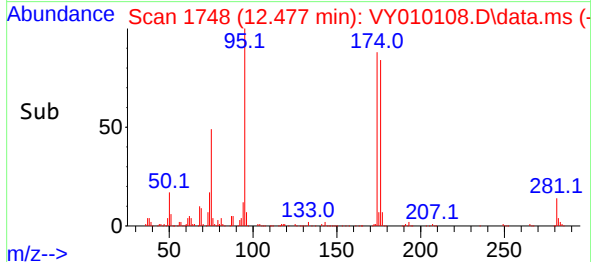
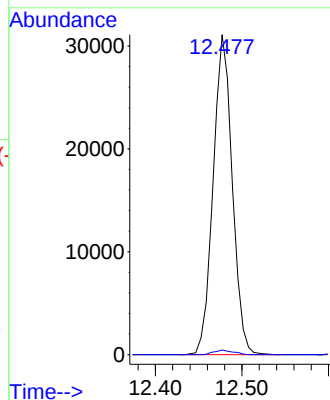
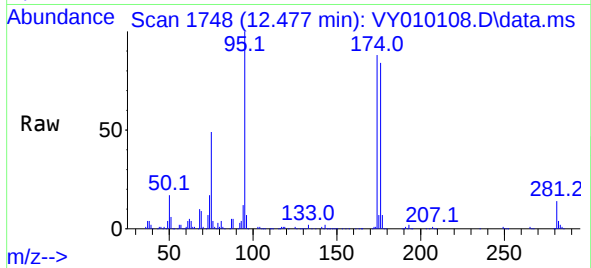




#76
1,2,3-Trichloropropane
Concen: 46.813 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

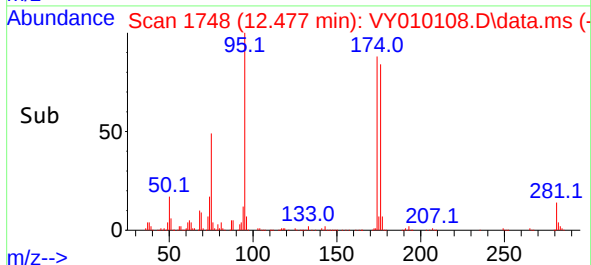
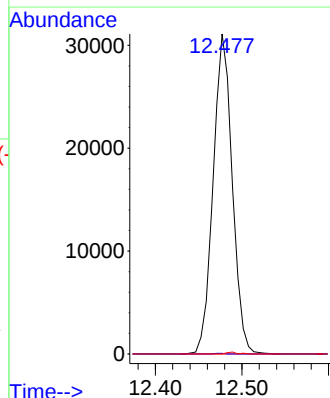
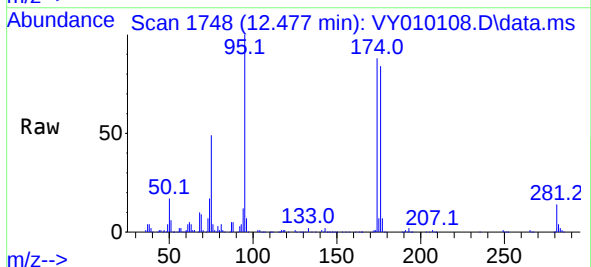
Instrument :
MSVOA_Y
ClientSampleId :
S13

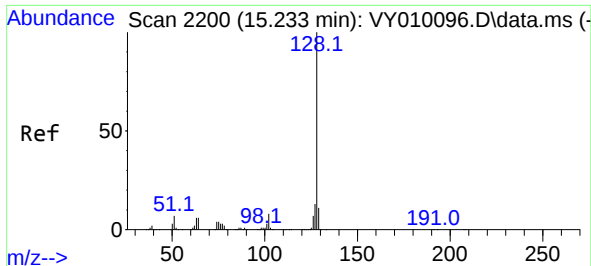
Tgt Ion: 75 Resp: 47654
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.025 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010108.D
Acq: 19 Aug 2022 17:04

Tgt Ion: 75 Resp: 47654
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.3 36.8 55.2#





#95

Naphthalene

Concen: 4.066 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY010108.D

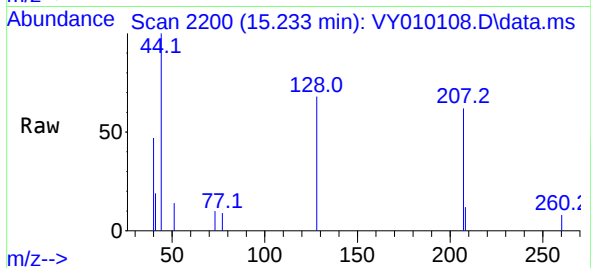
Acq: 19 Aug 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

S13



Tgt Ion:	128	Resp:	799
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.9	13.3#

