

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013059.D
 Acq On : 23 Mar 2023 13:58
 Operator : KP/MD
 Sample : 02033-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-1-032123

Quant Time: Mar 24 05:03:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	1594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	330	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1055	120.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	241.760%#
35) Dibromofluoromethane	7.716	113	543	56.446	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.900%
50) Toluene-d8	10.179	98	1839	52.292	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.580%
62) 4-Bromofluorobenzene	12.477	95	454	38.248	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.500%

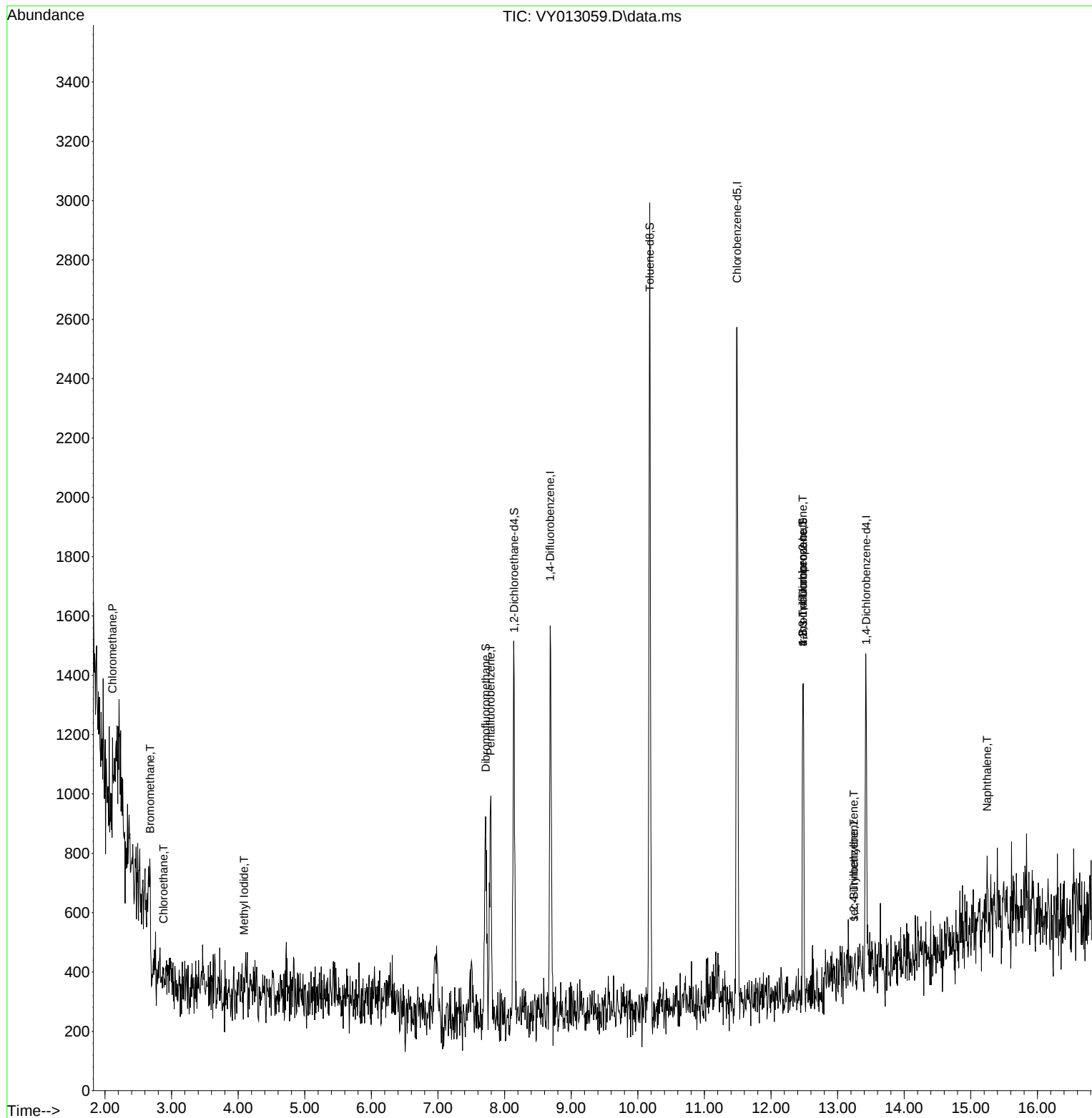
Target Compounds						Qvalue
3) Chloromethane	2.113	50	109	10.524	ug/l	98
5) Bromomethane	2.680	94	79	13.689	ug/l	# 72
6) Chloroethane	2.881	64	23	4.043	ug/l	# 43
10) Methyl Iodide	4.088	142	28	2.264	ug/l	# 40
20) Methylene Chloride	4.716	84	56	Below Cal		# 5
76) 1,2,3-Trichloropropane	12.477	75	256	64.963	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	256	134.605	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.245	105	70	3.709	ug/l	# 30
85) sec-Butylbenzene	13.245	105	70	2.754	ug/l	# 56
95) Naphthalene	15.245	128	74	6.055	ug/l	# 69

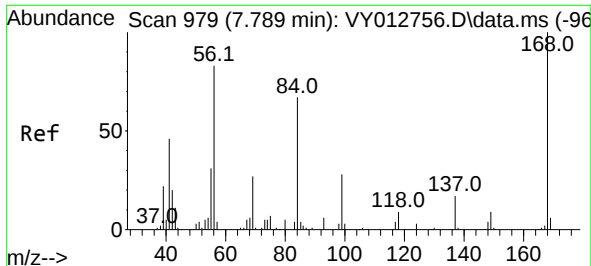
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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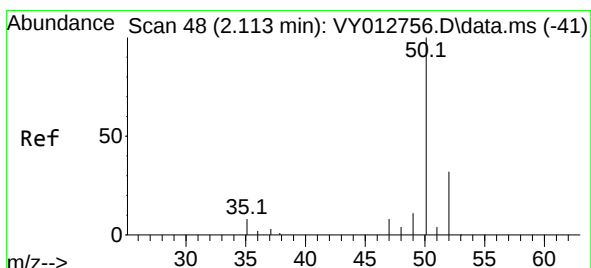
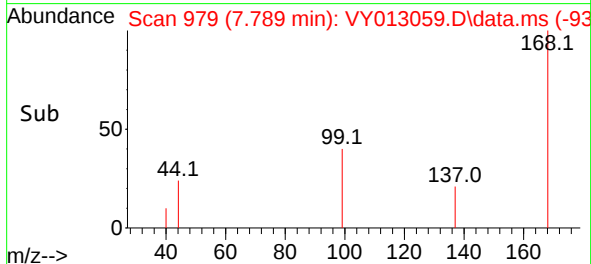
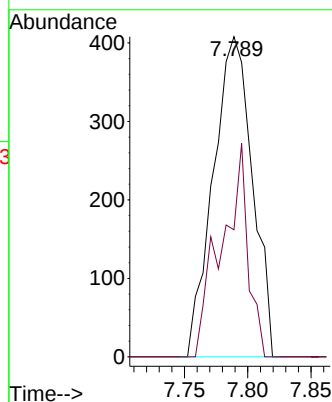
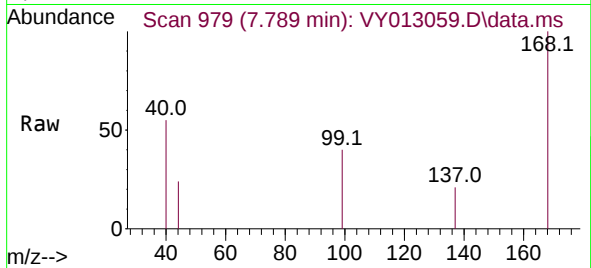




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

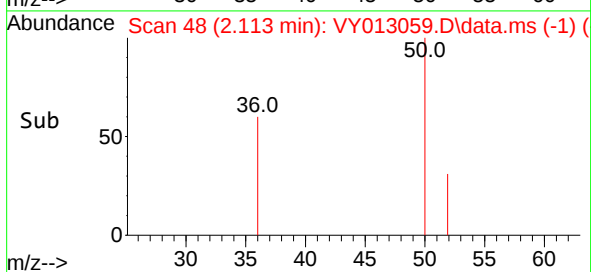
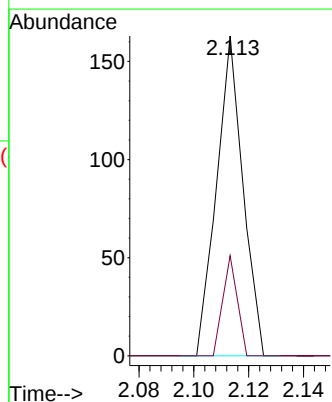
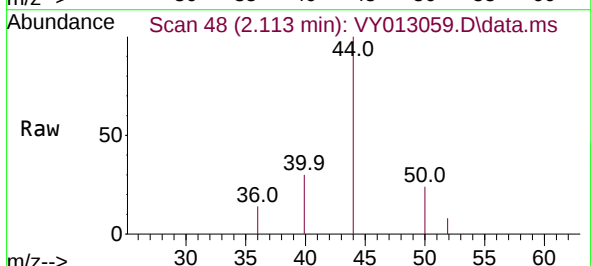
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-032123

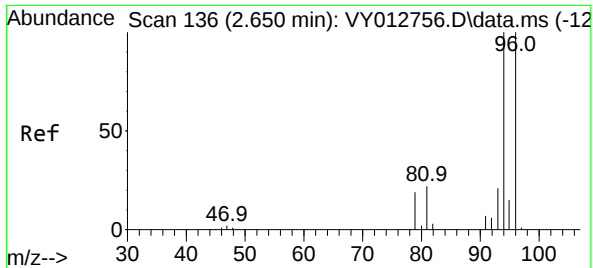
Tgt Ion:168 Resp: 879
Ion Ratio Lower Upper
168 100
99 39.7 41.7 62.5#



#3
Chloromethane
Concen: 10.524 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

Tgt Ion: 50 Resp: 109
Ion Ratio Lower Upper
50 100
52 31.3 26.0 39.0





#5

Bromomethane

Concen: 13.689 ug/l

RT: 2.680 min Scan# 141

Delta R.T. 0.030 min

Lab File: VY013059.D

Acq: 23 Mar 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

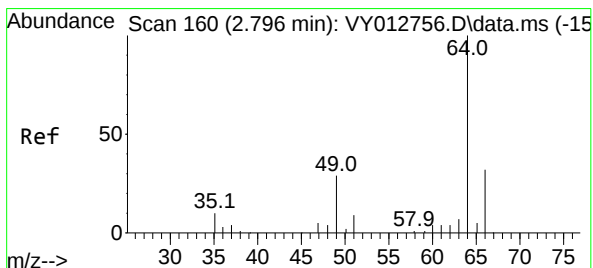
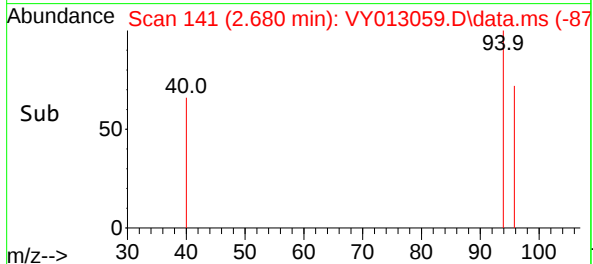
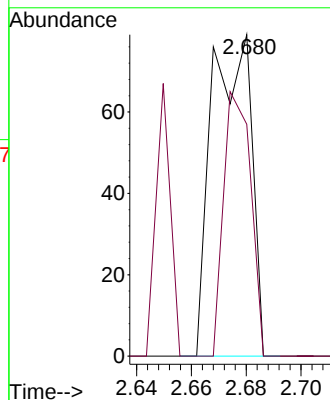
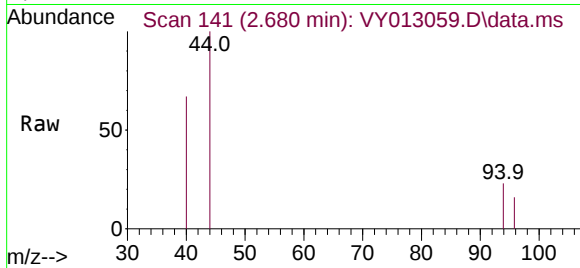
EO-1-032123

Tgt Ion: 94 Resp: 79

Ion Ratio Lower Upper

94 100

96 72.2 80.3 120.5#



#6

Chloroethane

Concen: 4.043 ug/l

RT: 2.881 min Scan# 174

Delta R.T. 0.085 min

Lab File: VY013059.D

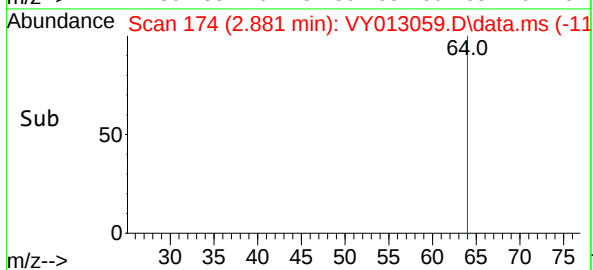
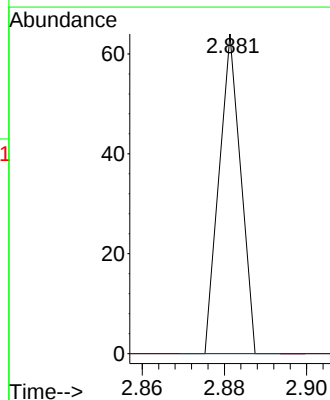
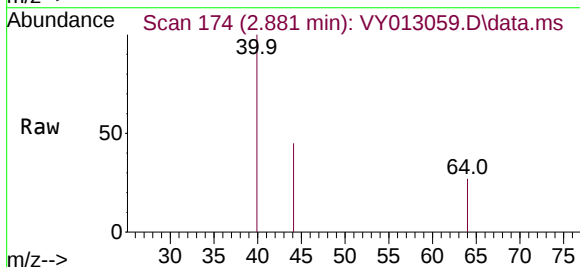
Acq: 23 Mar 2023 13:58

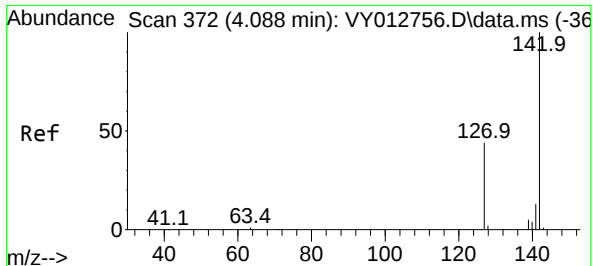
Tgt Ion: 64 Resp: 23

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#





#10

Methyl Iodide

Concen: 2.264 ug/l

RT: 4.088 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY013059.D

Acq: 23 Mar 2023 13:58

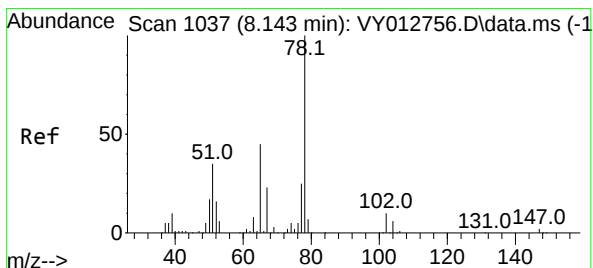
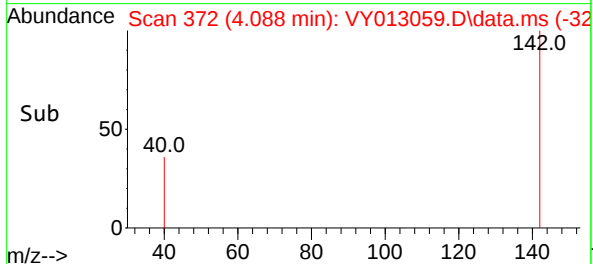
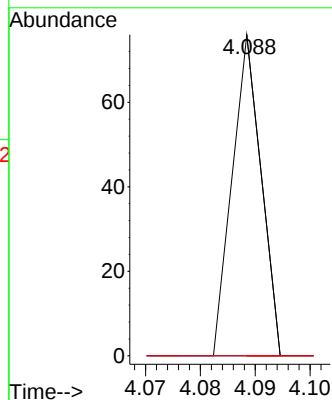
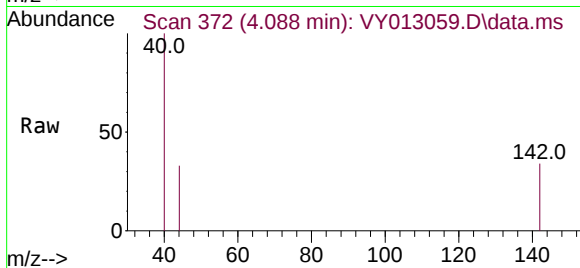
Instrument :

MSVOA_Y

ClientSampleId :

EO-1-032123

Tgt Ion:142	Resp:	28
Ion	Ratio	Lower Upper
142	100	
127	0.0	35.4 53.2#
141	0.0	11.3 16.9#



#33

1,2-Dichloroethane-d4

Concen: 120.885 ug/l

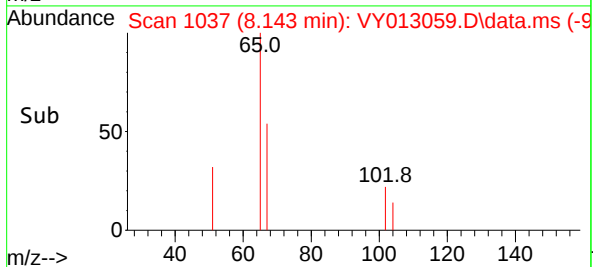
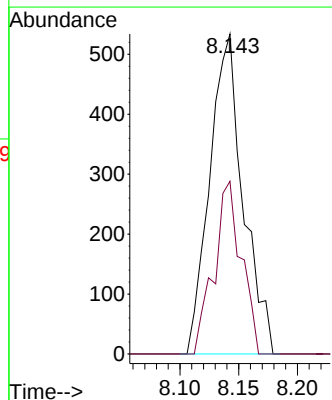
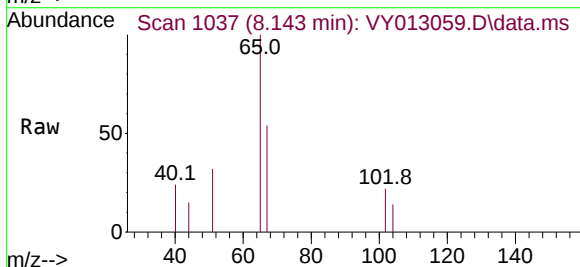
RT: 8.143 min Scan# 1037

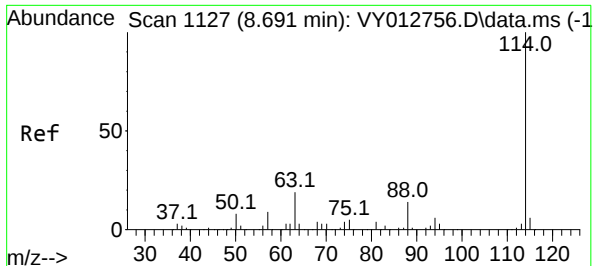
Delta R.T. -0.000 min

Lab File: VY013059.D

Acq: 23 Mar 2023 13:58

Tgt Ion: 65	Resp:	1055
Ion	Ratio	Lower Upper
65	100	
67	44.1	0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013059.D

Acq: 23 Mar 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-032123

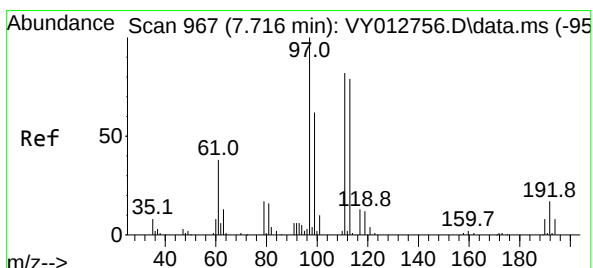
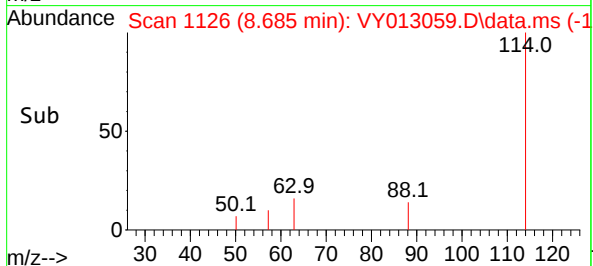
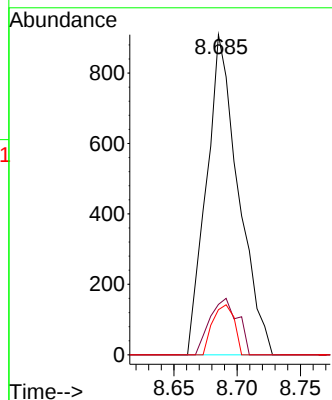
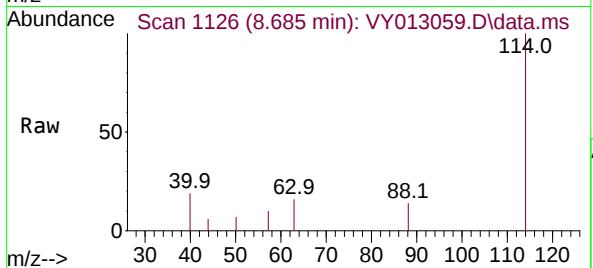
Tgt Ion:114 Resp: 1594

Ion Ratio Lower Upper

114 100

63 15.7 0.0 37.4

88 14.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 56.446 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY013059.D

Acq: 23 Mar 2023 13:58

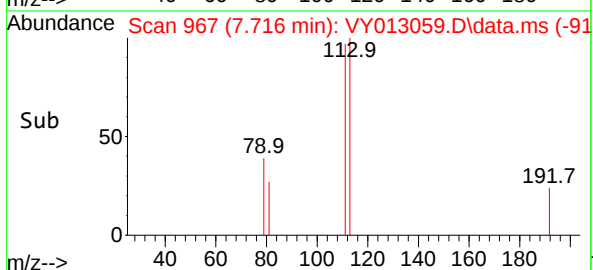
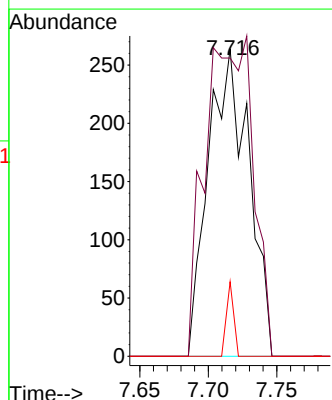
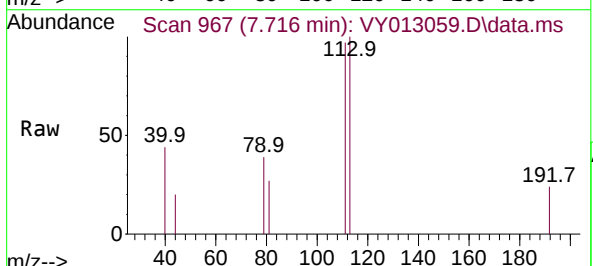
Tgt Ion:113 Resp: 543

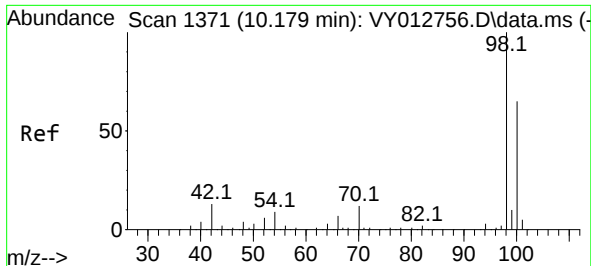
Ion Ratio Lower Upper

113 100

111 122.5 82.2 123.2

192 4.2 16.8 25.2#

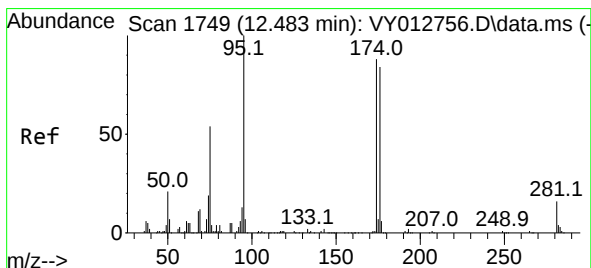
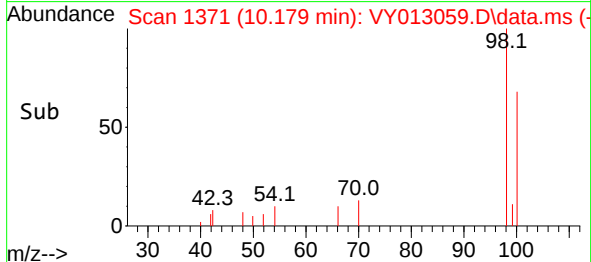
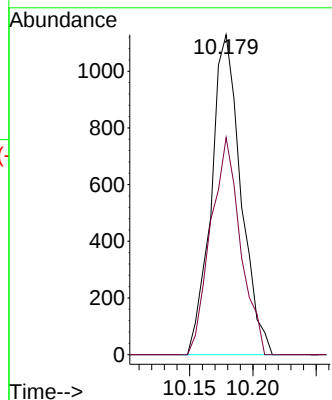
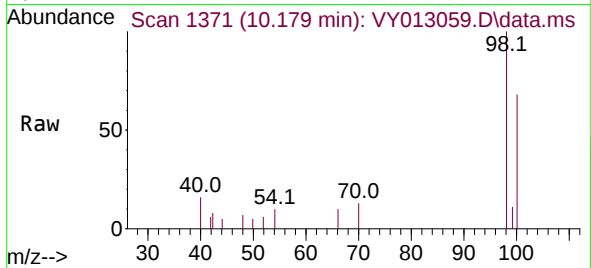




#50
Toluene-d8
Concen: 52.292 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

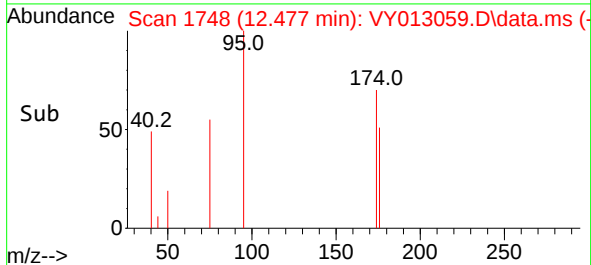
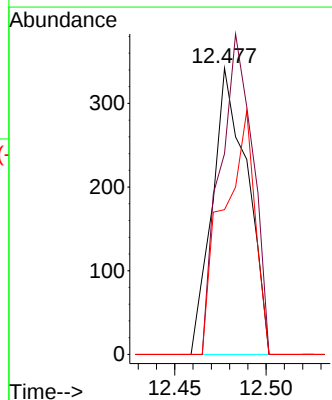
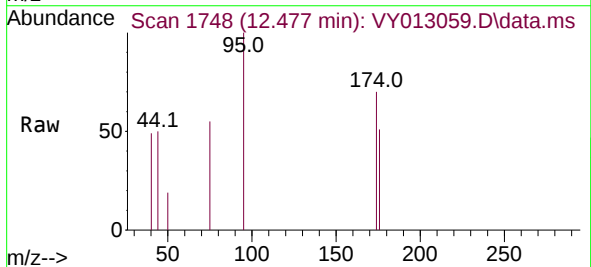
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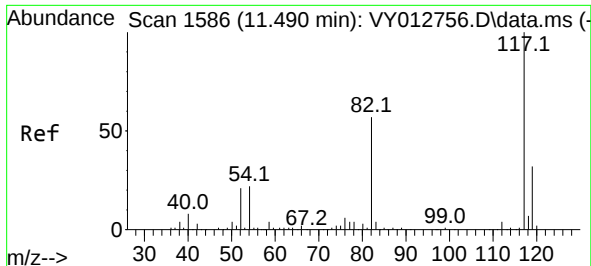
Tgt Ion: 98 Resp: 1839
Ion Ratio Lower Upper
98 100
100 68.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 38.248 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

Tgt Ion: 95 Resp: 454
Ion Ratio Lower Upper
95 100
174 105.1 0.0 176.6
176 77.3 0.0 170.2

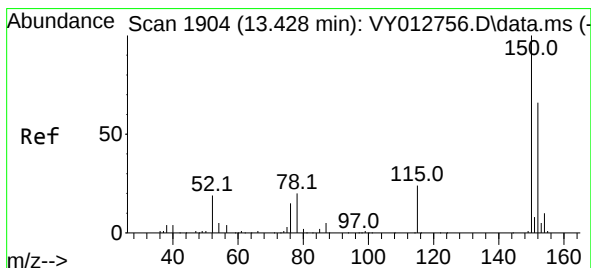
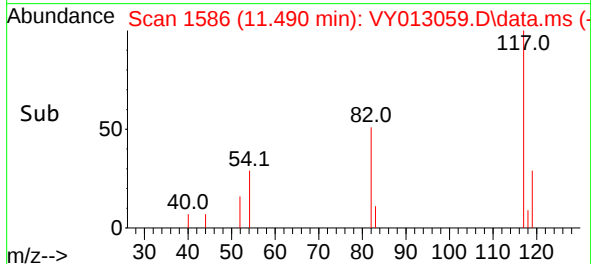
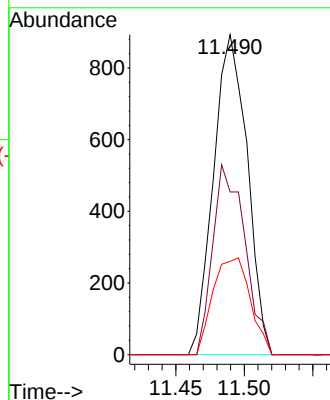
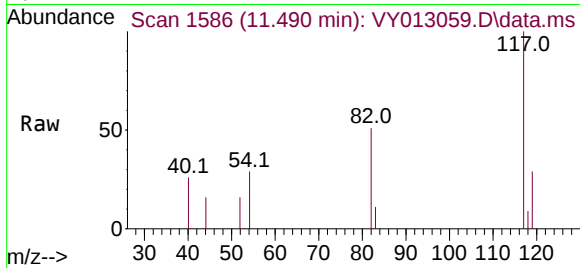




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

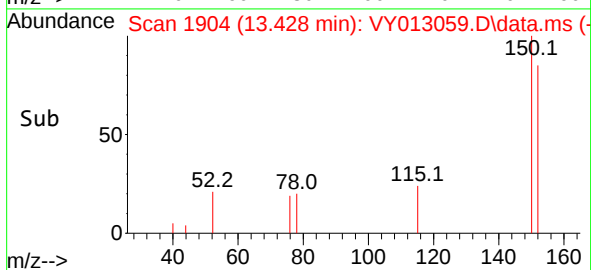
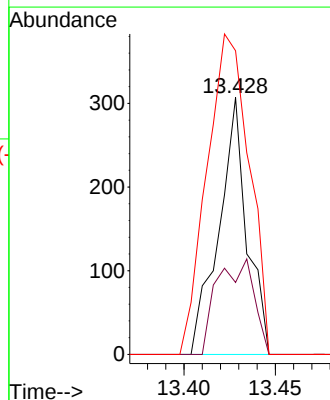
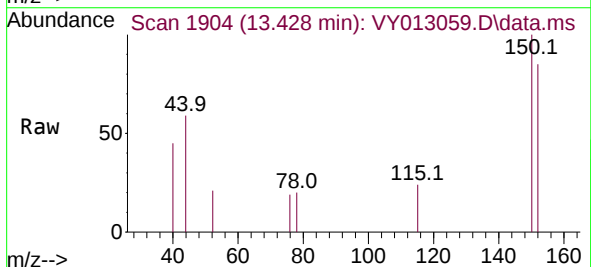
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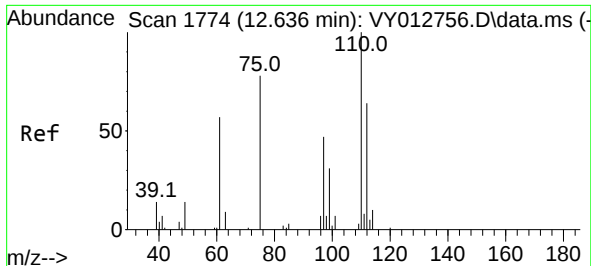
Tgt Ion:	117	Resp:	1528
Ion	Ratio	Lower	Upper
117	100		
82	50.8	45.4	68.0
119	29.1	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

Tgt Ion:	152	Resp:	330
Ion	Ratio	Lower	Upper
152	100		
115	48.5	27.1	81.3
150	186.7	0.0	347.8

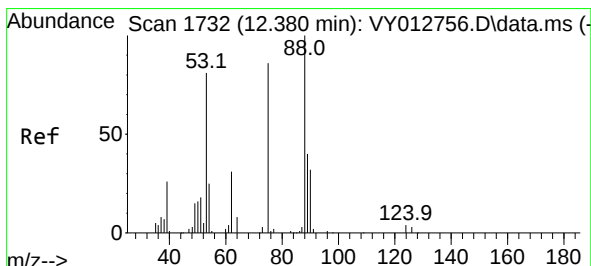
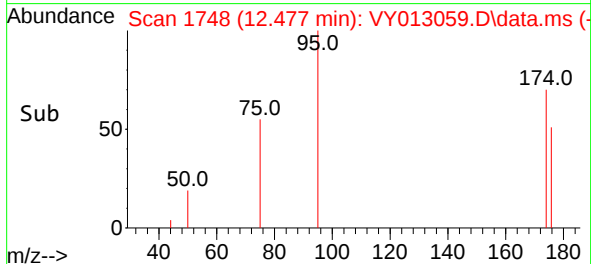
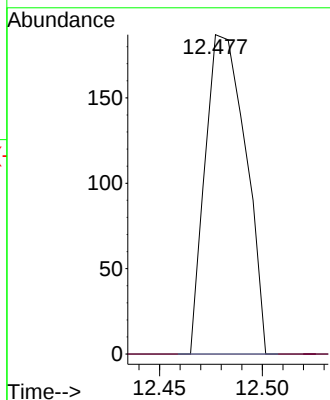
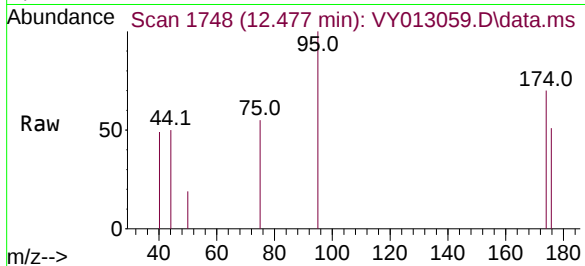




#76
1,2,3-Trichloropropane
Concen: 64.963 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

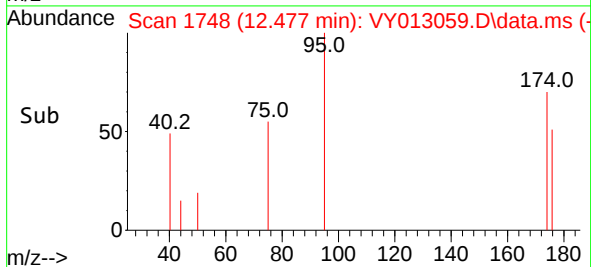
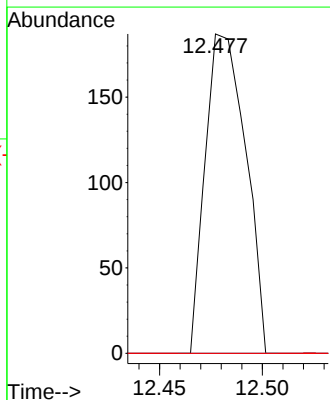
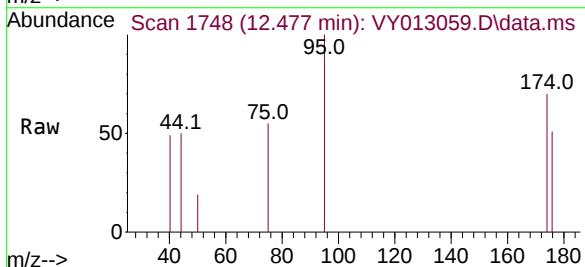
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-032123

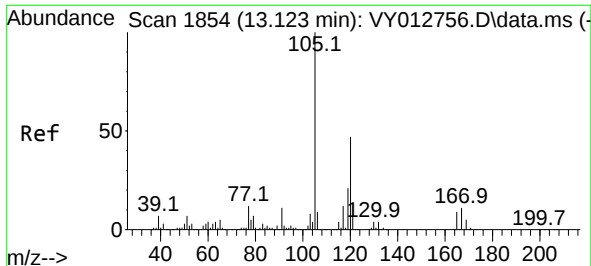
Tgt Ion: 75 Resp: 256
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 134.605 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

Tgt Ion: 75 Resp: 256
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

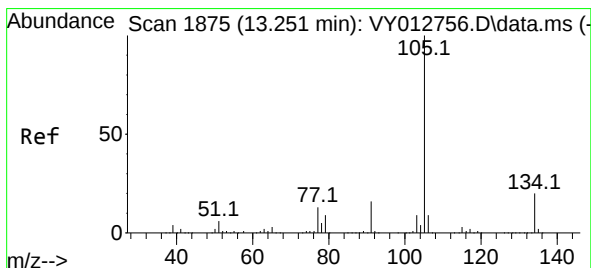
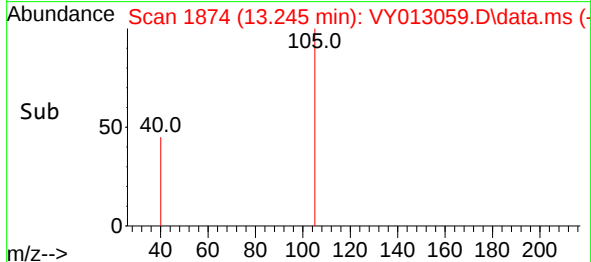
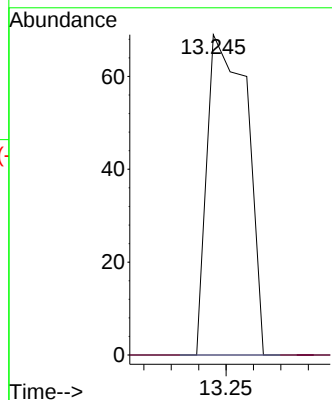
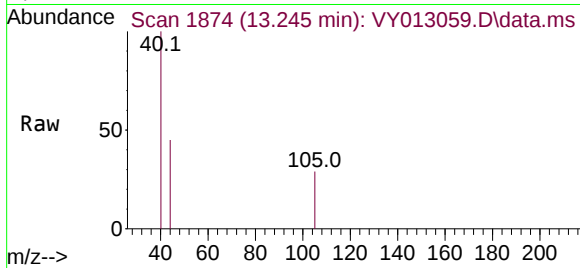




#84
1,2,4-Trimethylbenzene
Concen: 3.709 ug/l
RT: 13.245 min Scan# 1854
Delta R.T. 0.122 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

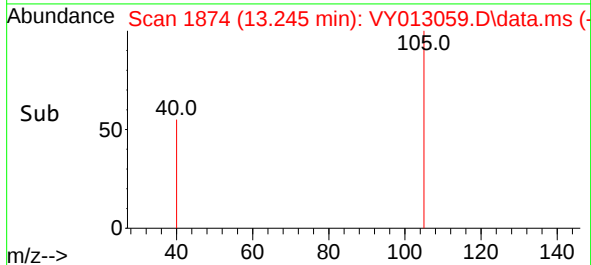
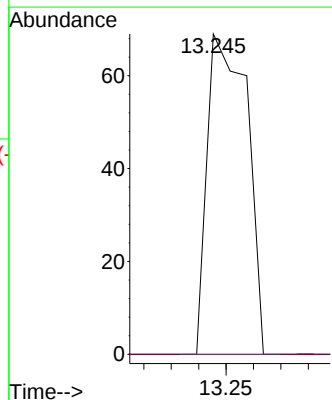
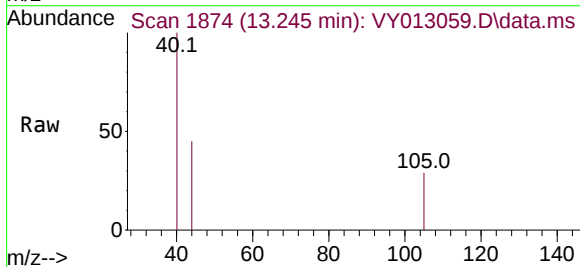
Instrument :
MSVOA_Y
ClientSampleId :
EO-1-032123

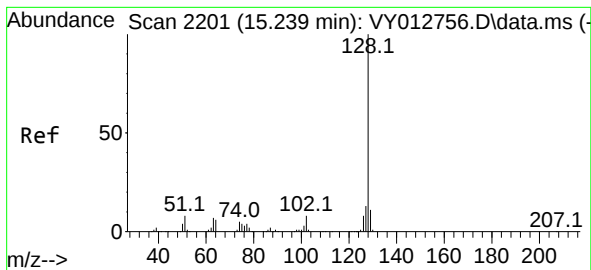
Tgt Ion:105 Resp: 70
Ion Ratio Lower Upper
105 100
120 0.0 23.0 69.0#



#85
sec-Butylbenzene
Concen: 2.754 ug/l
RT: 13.245 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VY013059.D
Acq: 23 Mar 2023 13:58

Tgt Ion:105 Resp: 70
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#95

Naphthalene

Concen: 6.055 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY013059.D

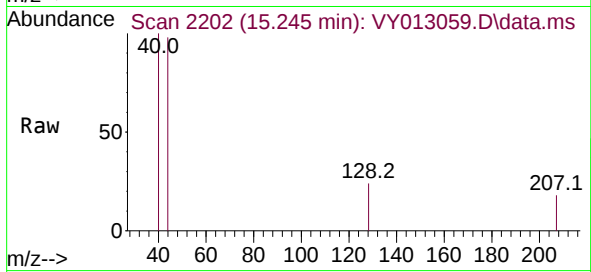
Acq: 23 Mar 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

EO-1-032123



Tgt Ion:128 Resp: 74

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

