

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008529.D
 Acq On : 27 Apr 2022 15:58
 Operator : KP/MD
 Sample : N2577-07
 Misc : 8.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-04-(25-30)

Quant Time: Apr 28 01:33:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

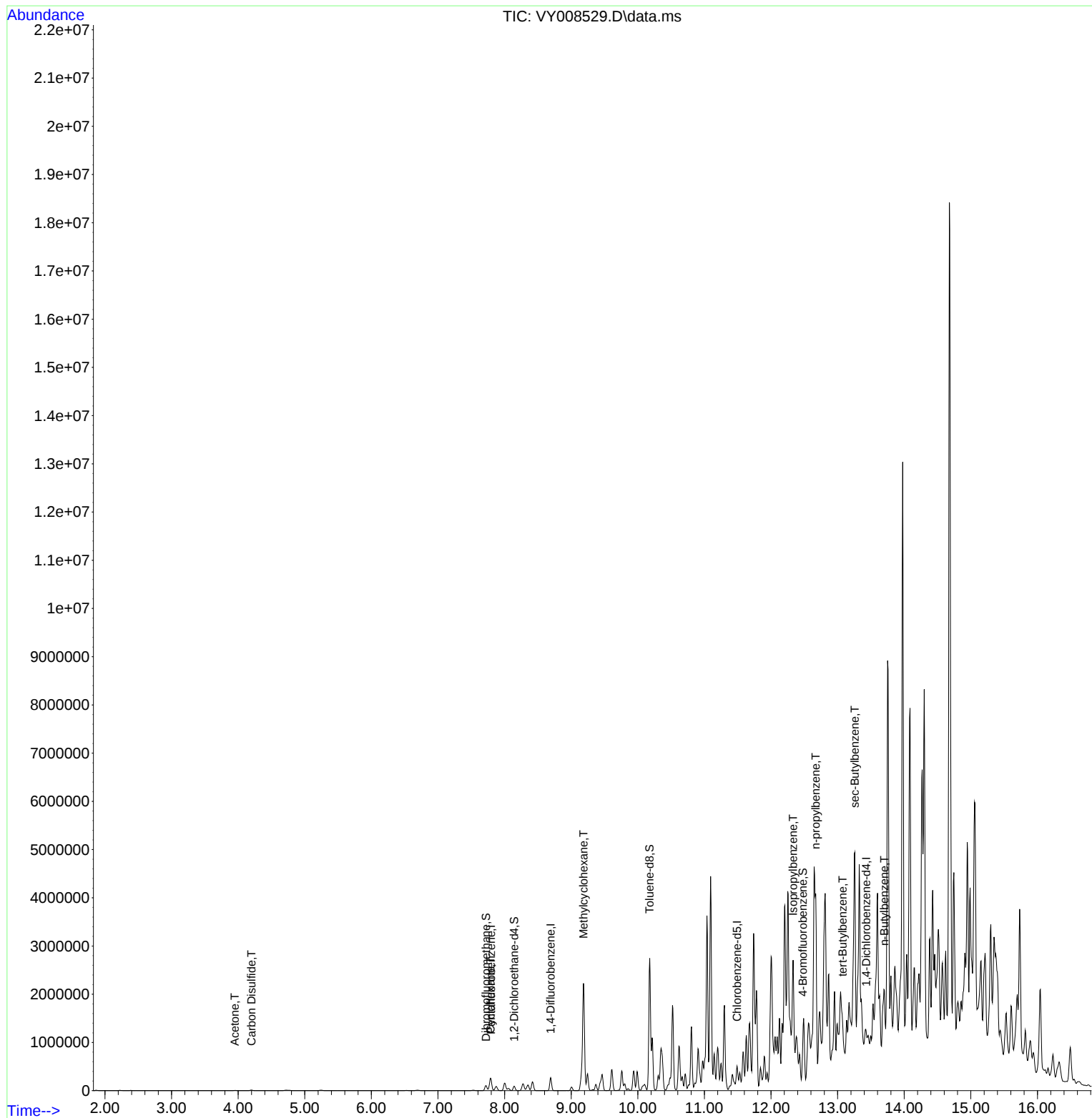
Internal Standards						
1) Pentafluorobenzene	7.795	168	134431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	245311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249841	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	69975	44.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.480%
35) Dibromofluoromethane	7.722	113	76318	48.205	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.420%
50) Toluene-d8	10.179	98	449884	70.382	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	140.760%#
62) 4-Bromofluorobenzene	12.477	95	179982	84.426	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	168.860%#
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	7657	20.783	ug/l #	89
17) Carbon Disulfide	4.198	76	26450	6.020	ug/l	99
31) Cyclohexane	7.789	56	56152	21.594	ug/l #	81
39) Methylcyclohexane	9.185	83	1031872	320.010	ug/l #	81
73) Isopropylbenzene	12.331	105	1135694	107.445	ug/l	97
78) n-propylbenzene	12.672	91	2426911	191.421	ug/l	93
83) tert-Butylbenzene	13.074	119	133405	17.516	ug/l	99
85) sec-Butylbenzene	13.257	105	2112192	183.761	ug/l #	75
89) n-Butylbenzene	13.702	91	568393	65.056	ug/l #	82

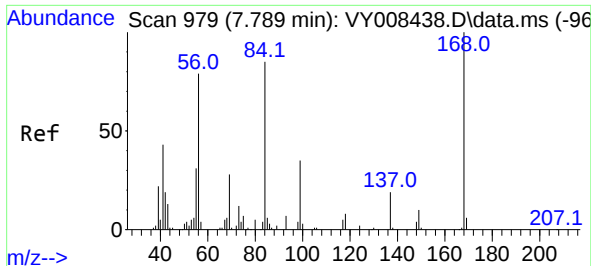
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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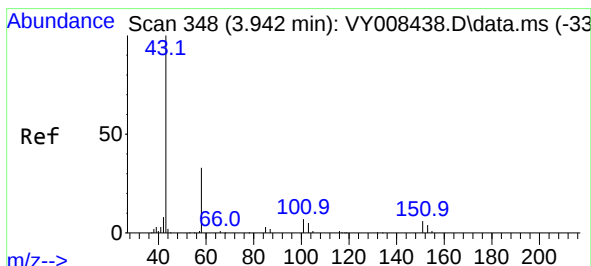
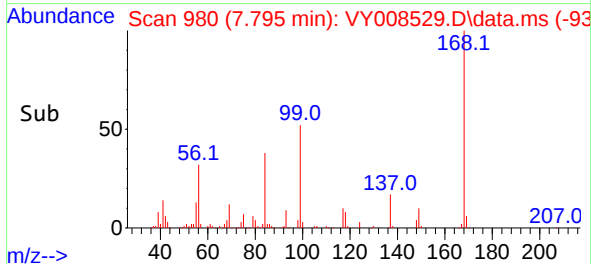
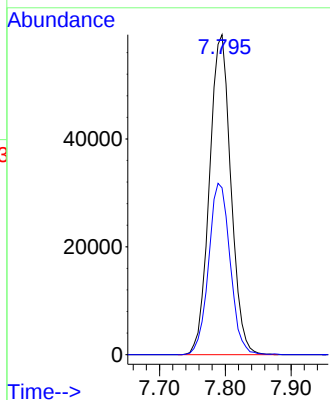
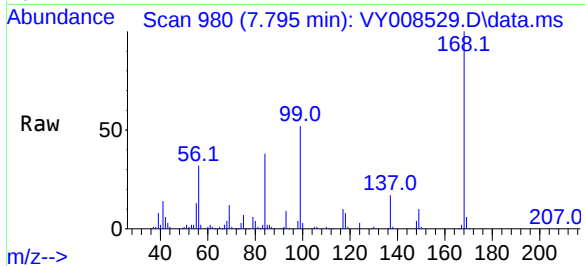




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

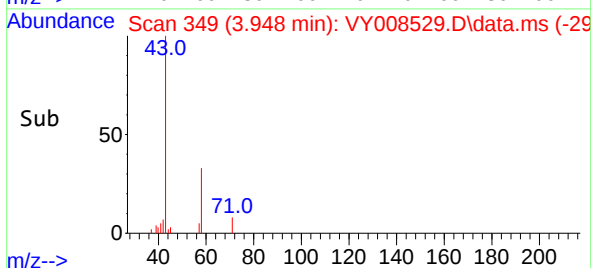
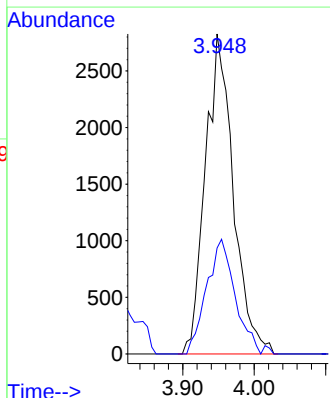
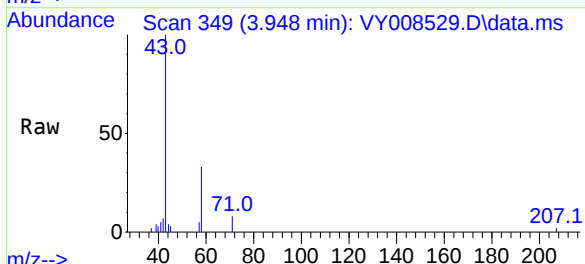
Instrument :
MSVOA_Y
ClientSampleId :
GT-04-(25-30)

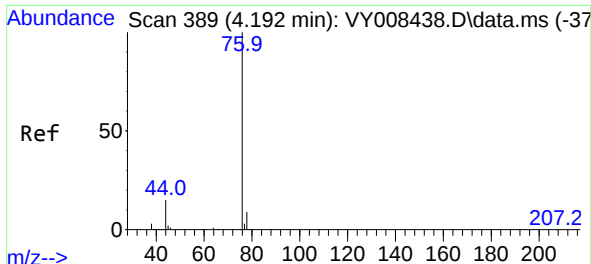
Tgt Ion:168 Resp: 134431
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#16
Acetone
Concen: 20.783 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

Tgt Ion: 43 Resp: 7657
Ion Ratio Lower Upper
43 100
58 33.1 22.0 33.0#

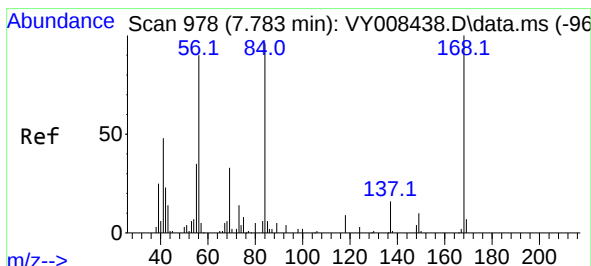
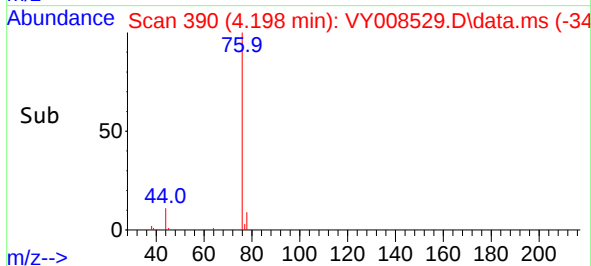
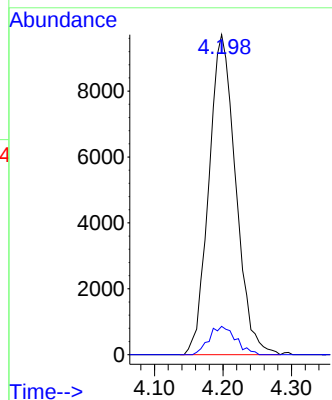
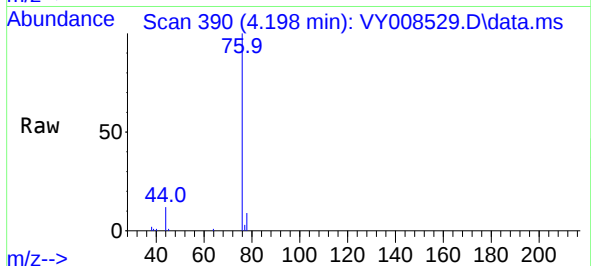




#17
Carbon Disulfide
Concen: 6.020 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

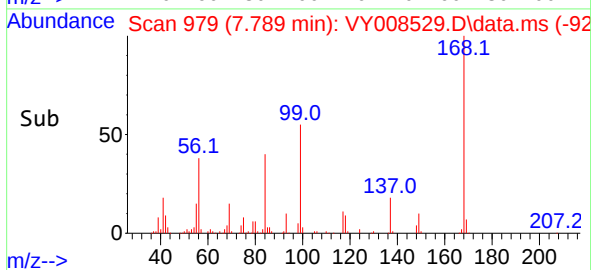
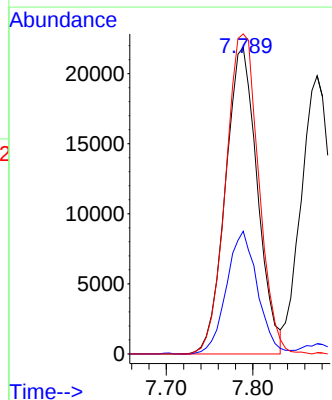
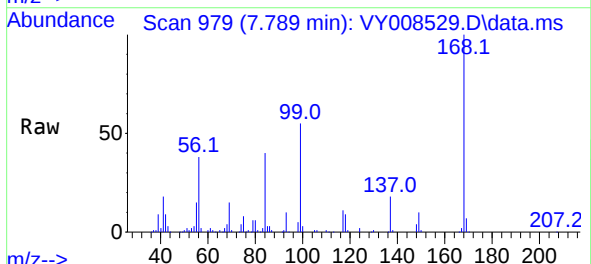
Instrument :
MSVOA_Y
ClientSampleId :
GT-04-(25-30)

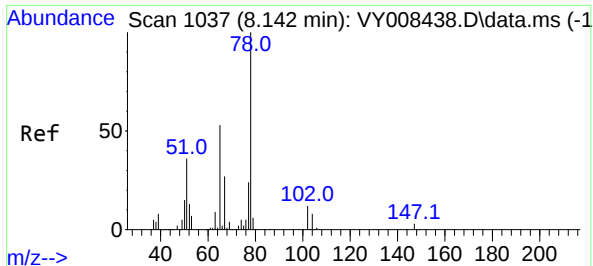
Tgt Ion: 76 Resp: 26450
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#31
Cyclohexane
Concen: 21.594 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

Tgt Ion: 56 Resp: 56152
Ion Ratio Lower Upper
56 100
69 40.0 26.7 40.1
84 104.4 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 44.239 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008529.D

Acq: 27 Apr 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

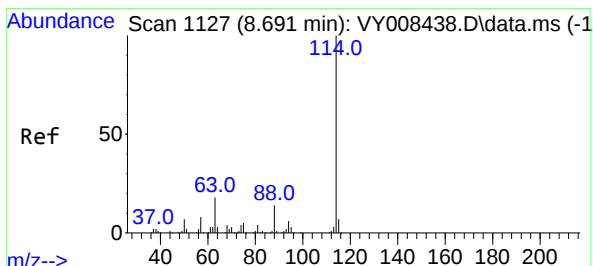
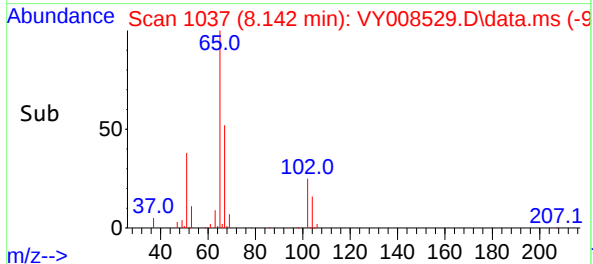
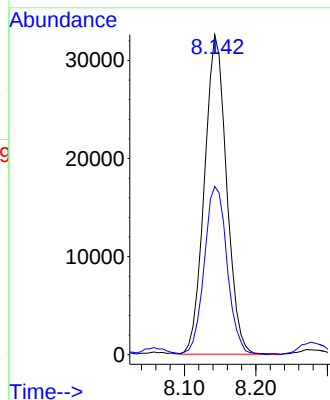
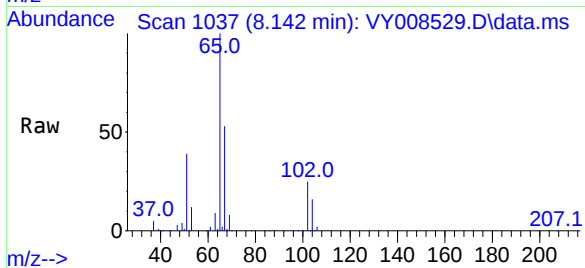
GT-04-(25-30)

Tgt Ion: 65 Resp: 69975

Ion Ratio Lower Upper

65 100

67 54.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008529.D

Acq: 27 Apr 2022 15:58

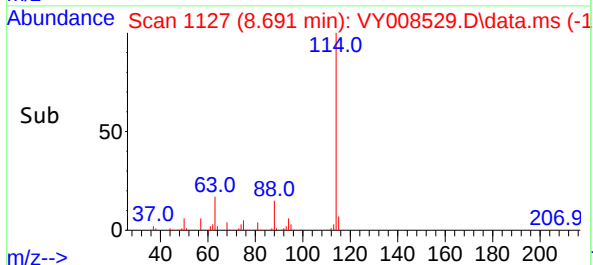
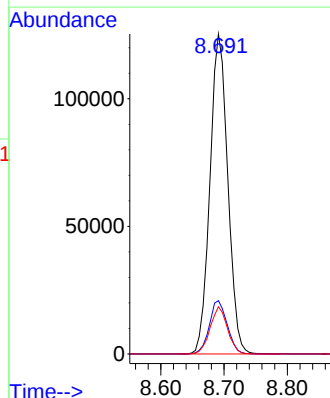
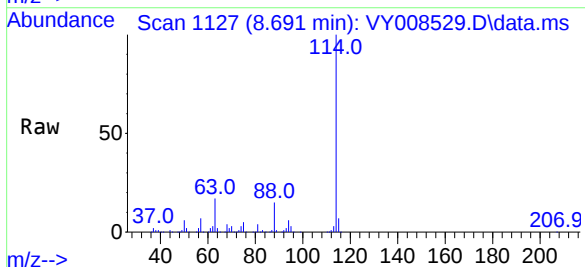
Tgt Ion: 114 Resp: 245311

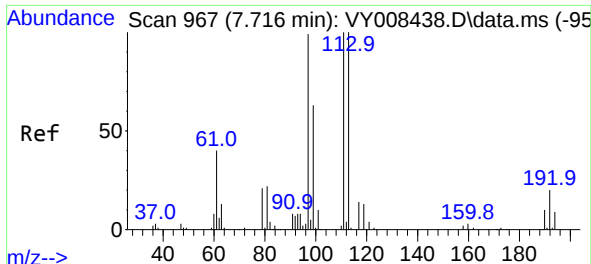
Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 14.7 0.0 31.8

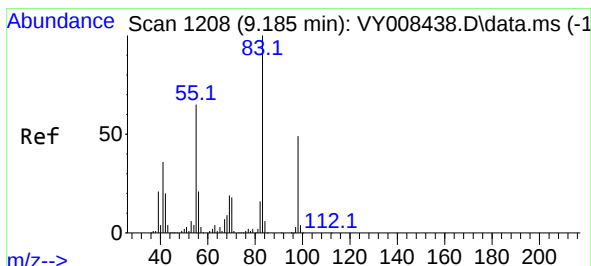
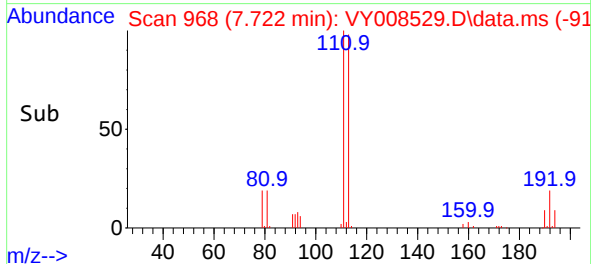
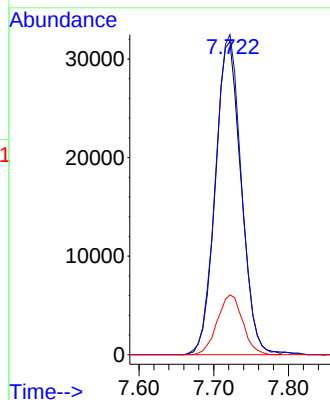
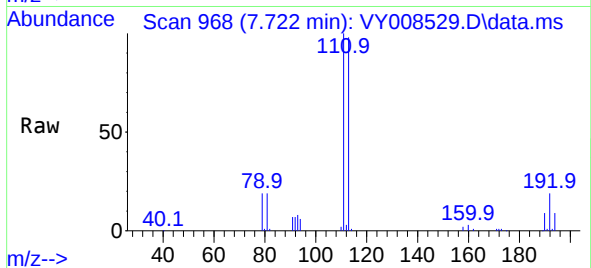




#35
Dibromofluoromethane
Concen: 48.205 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

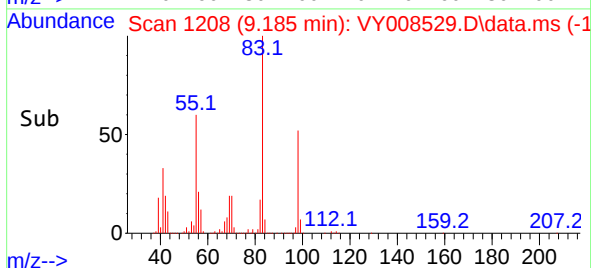
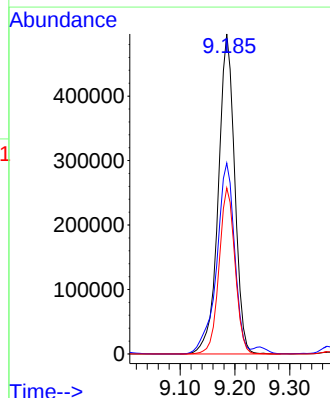
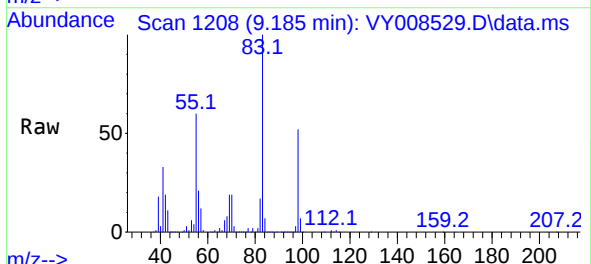
Instrument :
MSVOA_Y
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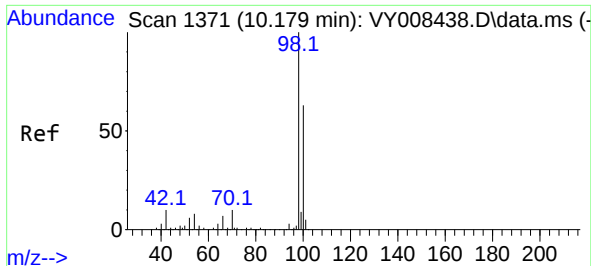
Tgt Ion:113 Resp: 76318
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.8 17.6 26.4



#39
Methylcyclohexane
Concen: 320.010 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

Tgt Ion: 83 Resp: 1031872
Ion Ratio Lower Upper
83 100
55 59.6 66.5 99.7#
98 51.9 37.9 56.9

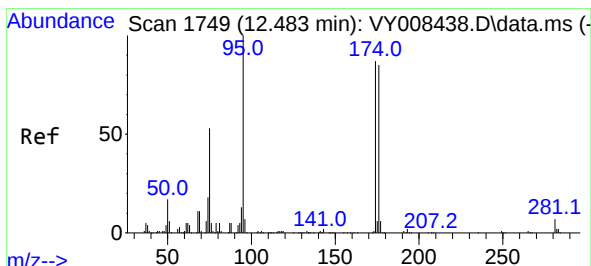
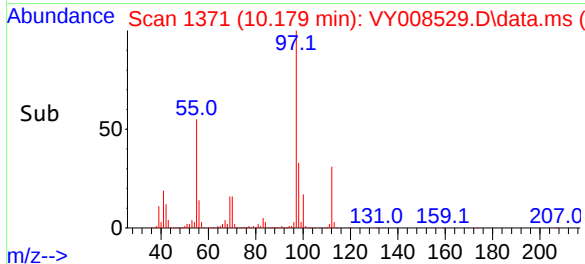
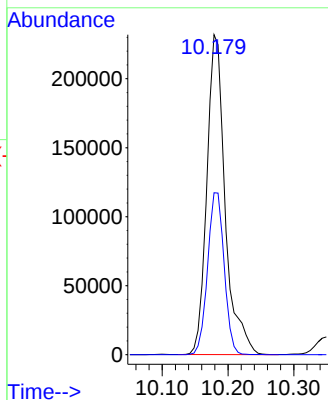
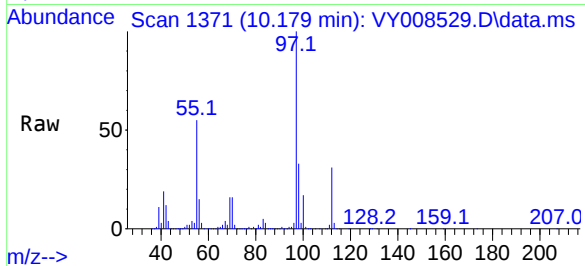




#50
Toluene-d8
Concen: 70.382 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

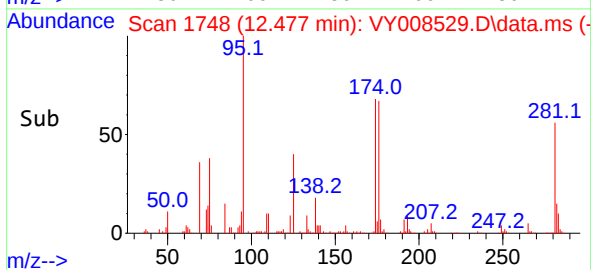
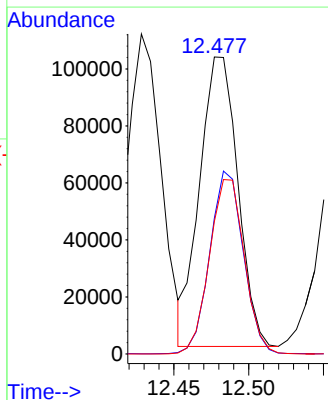
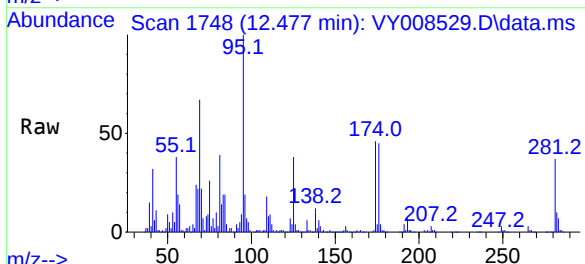
Instrument :
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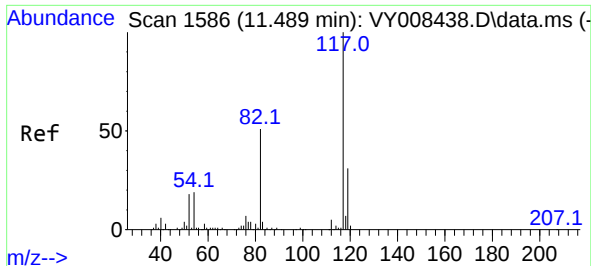
Tgt Ion: 98 Resp: 449884
Ion Ratio Lower Upper
98 100
100 45.6 50.2 75.2#



#62
4-Bromofluorobenzene
Concen: 84.426 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

Tgt Ion: 95 Resp: 179982
Ion Ratio Lower Upper
95 100
174 55.8 0.0 177.0
176 55.2 0.0 175.8

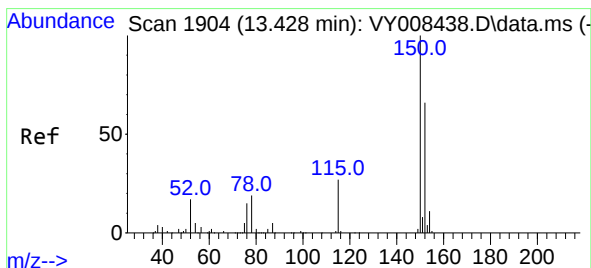
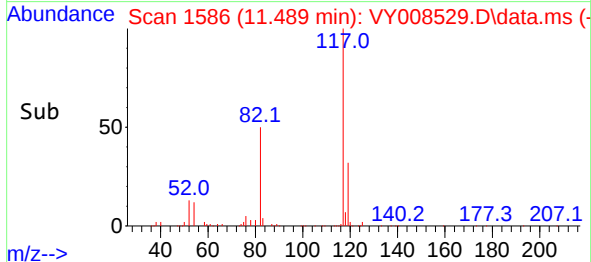
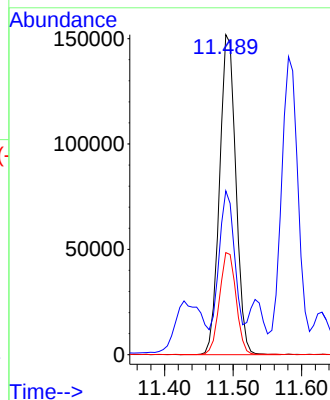
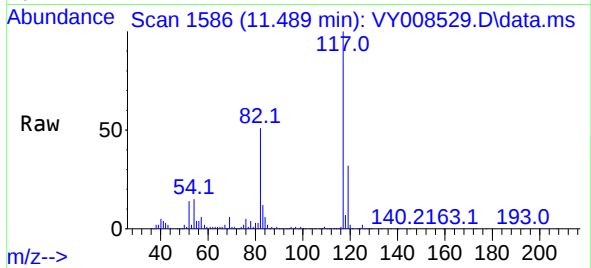




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

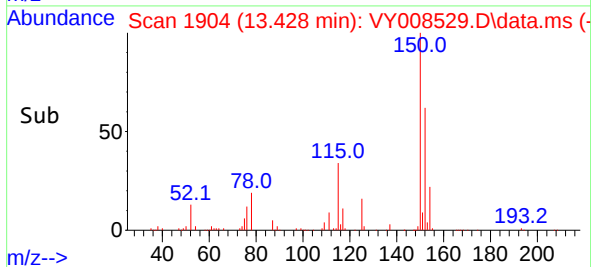
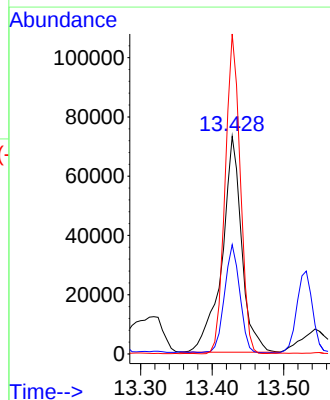
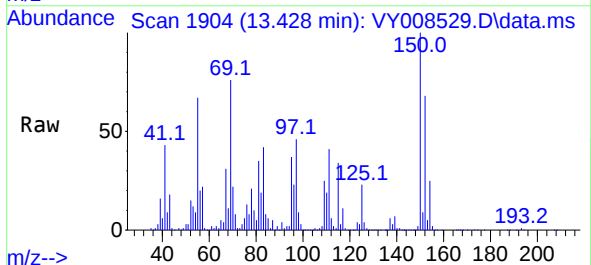
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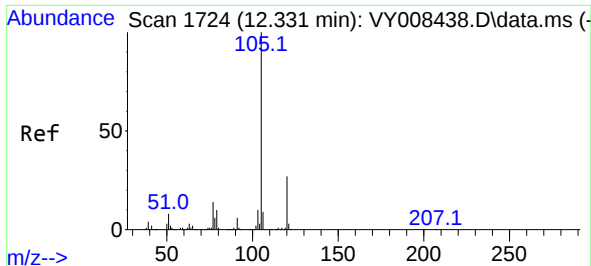
Tgt Ion:117 Resp: 249841
Ion Ratio Lower Upper
117 100
82 36.4 43.0 64.4#
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

Tgt Ion:152 Resp: 139410
Ion Ratio Lower Upper
152 100
115 39.2 28.2 84.7
150 113.7 0.0 347.6

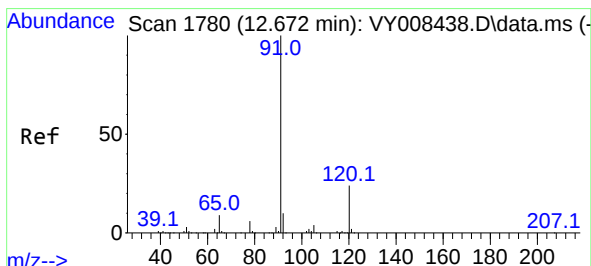
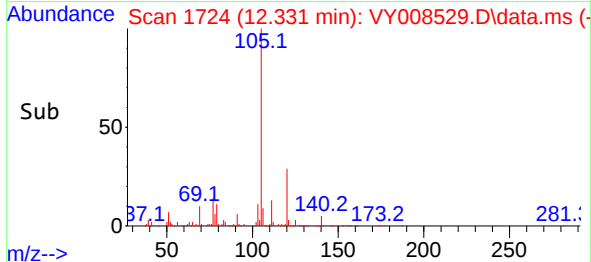
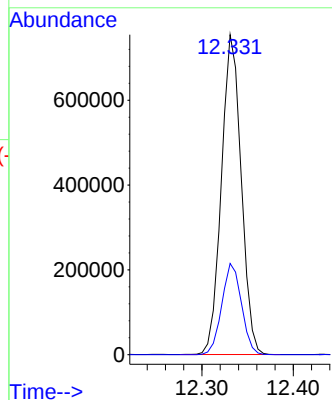
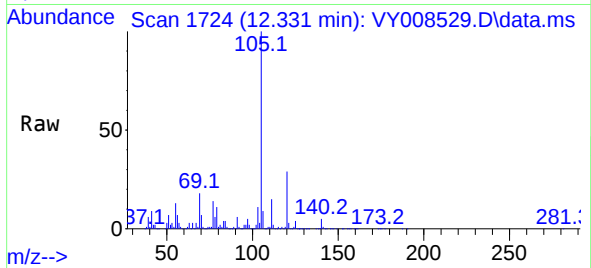




#73
Isopropylbenzene
Concen: 107.445 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

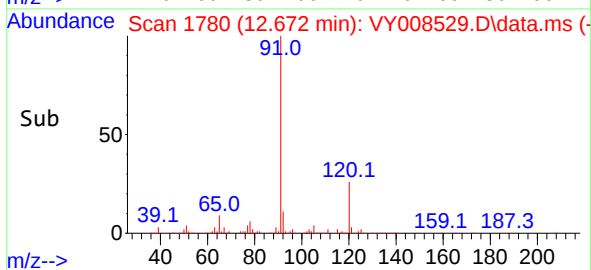
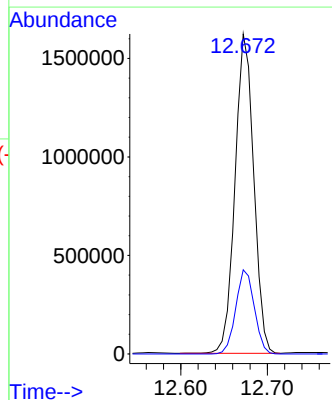
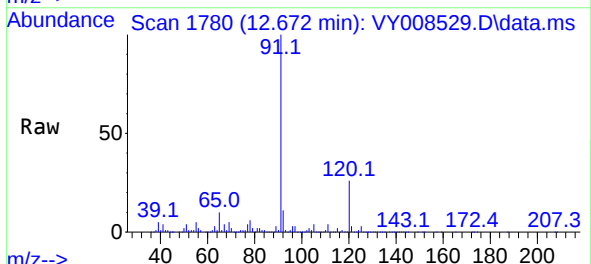
Instrument :
MSVOA_Y
ClientSampleId :
GT-04-(25-30)

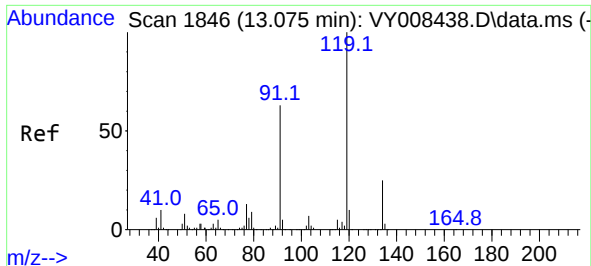
Tgt Ion:105 Resp: 1135694
Ion Ratio Lower Upper
105 100
120 28.4 13.4 40.2



#78
n-propylbenzene
Concen: 191.421 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

Tgt Ion: 91 Resp: 2426911
Ion Ratio Lower Upper
91 100
120 26.1 11.3 33.9

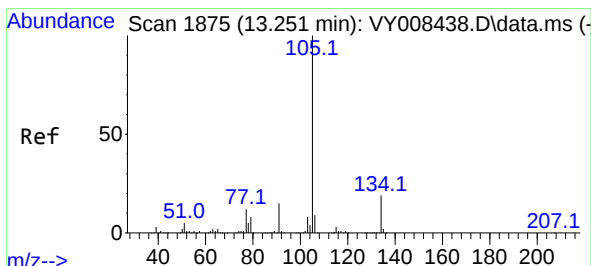
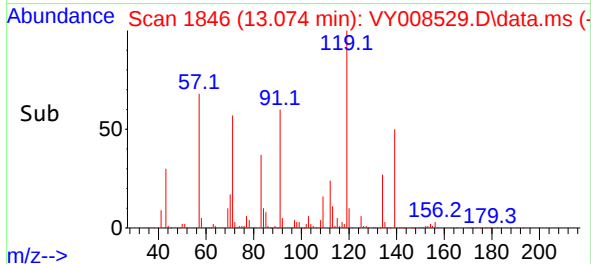
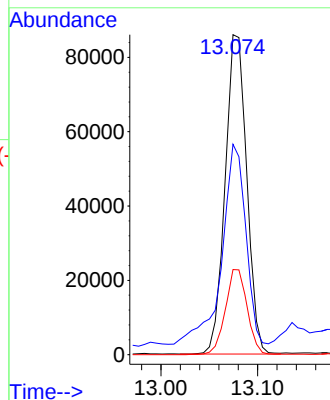
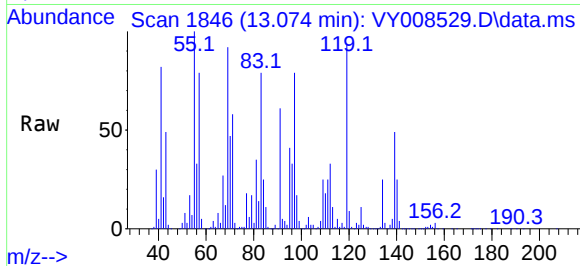




#83
tert-Butylbenzene
Concen: 17.516 ug/l
RT: 13.074 min Scan# 119
Delta R.T. -0.001 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

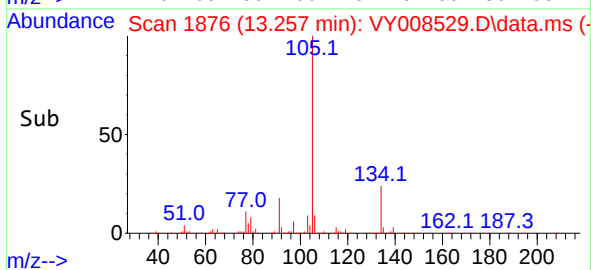
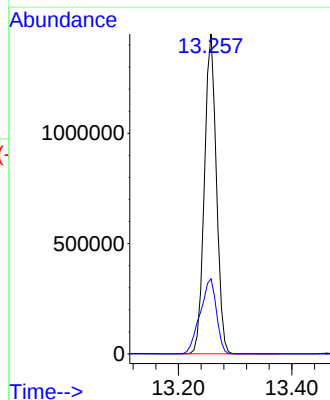
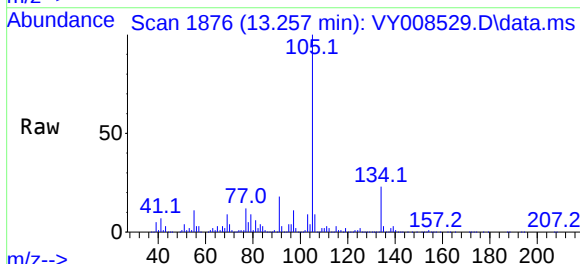
Instrument :
MSVOA_Y
ClientSampleId :
GT-04-(25-30)

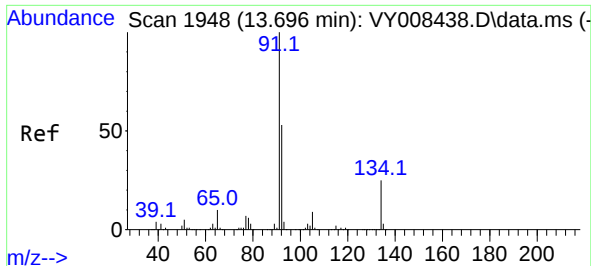
Tgt Ion:119 Resp: 133405
Ion Ratio Lower Upper
119 100
91 69.1 34.8 104.4
134 27.2 13.3 39.9



#85
sec-Butylbenzene
Concen: 183.761 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY008529.D
Acq: 27 Apr 2022 15:58

Tgt Ion:105 Resp: 2112192
Ion Ratio Lower Upper
105 100
134 32.0 10.2 30.4#





#89

n-Butylbenzene

Concen: 65.056 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY008529.D

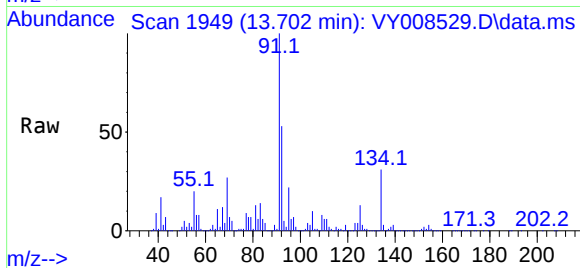
Acq: 27 Apr 2022 15:58

Instrument :

MSVOA_Y

ClientSampleId :

GT-04-(25-30)



Tgt Ion: 91 Resp: 568393

Ion Ratio Lower Upper

91 100

92 50.1 26.3 78.9

134 50.5 13.0 38.9#

