

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042722\
 Data File : VY008531.D
 Acq On : 27 Apr 2022 16:45
 Operator : KP/MD
 Sample : N2577-08
 Misc : 6.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-11-(15-20)

Quant Time: Apr 28 01:33:54 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)

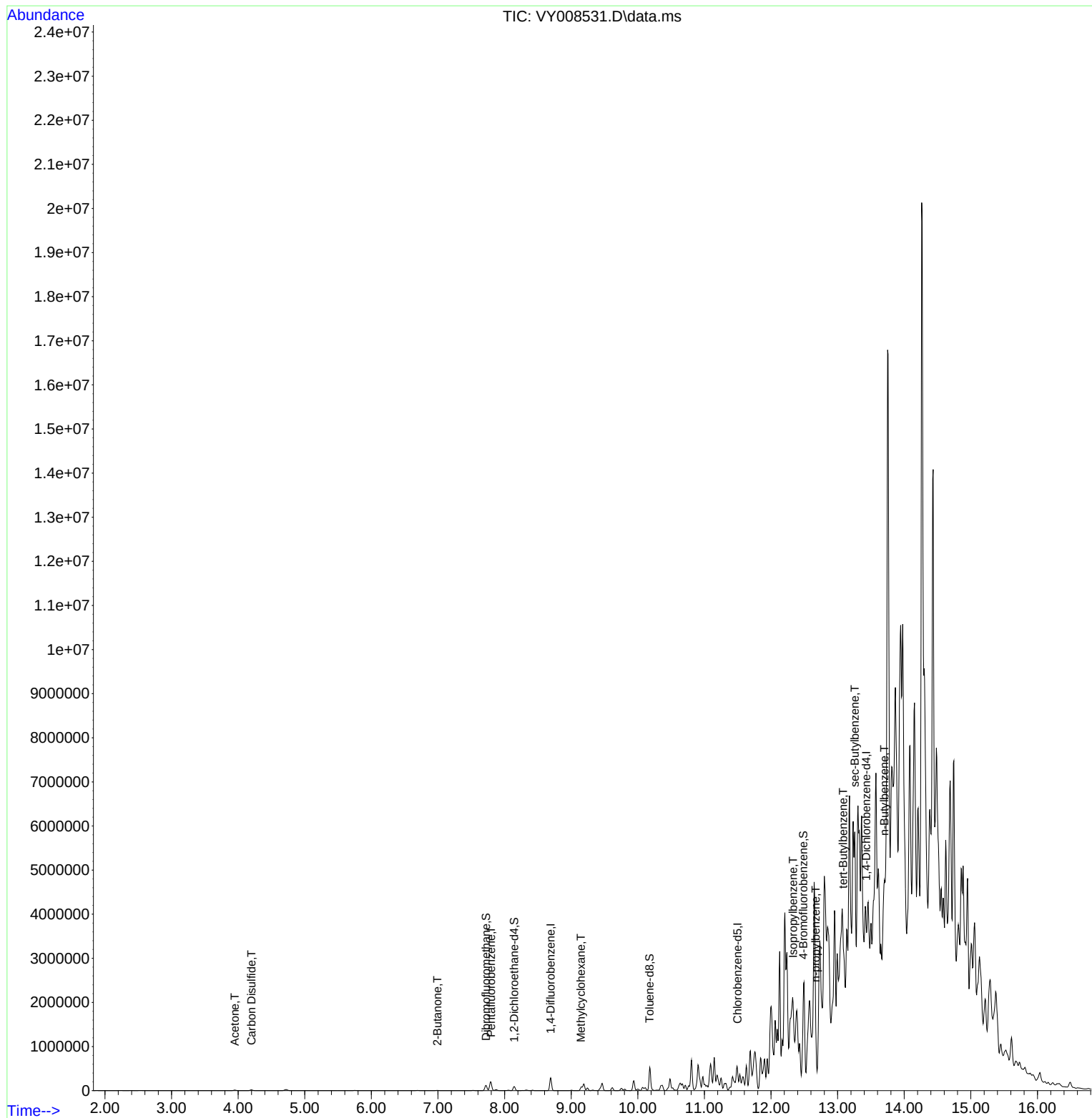
Internal Standards						
1) Pentafluorobenzene	7.795	168	172498	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	275920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	249006	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	224037	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72033	35.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.980%
35) Dibromofluoromethane	7.722	113	86091	48.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.700%
50) Toluene-d8	10.179	98	319755	45.272	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.540%
62) 4-Bromofluorobenzene	12.483	95	222627	92.845	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	185.680%#
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	22502	47.598	ug/l	# 87
17) Carbon Disulfide	4.198	76	40166	7.125	ug/l	98
25) 2-Butanone	6.990	43	8395	11.478	ug/l	# 69
39) Methylcyclohexane	9.148	83	33368	9.200	ug/l	# 59
73) Isopropylbenzene	12.331	105	152575	8.982	ug/l	97
78) n-propylbenzene	12.672	91	166984	8.196	ug/l	98
83) tert-Butylbenzene	13.081	119	93868	7.669	ug/l	88
85) sec-Butylbenzene	13.257	105	674338	36.507	ug/l	# 59
89) n-Butylbenzene	13.702	91	145245	10.345	ug/l	# 70

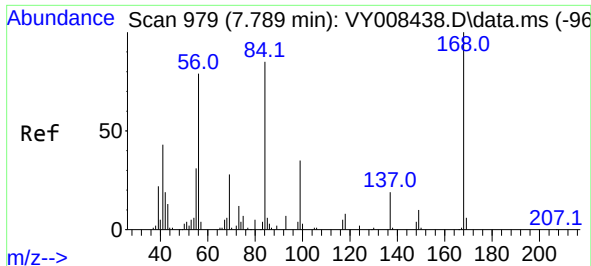
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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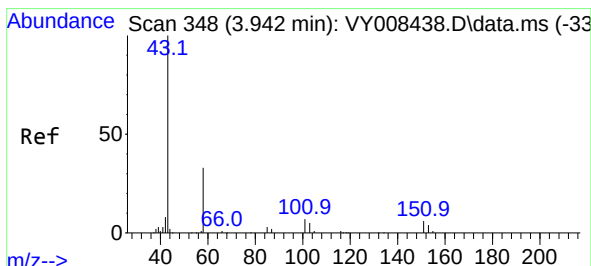
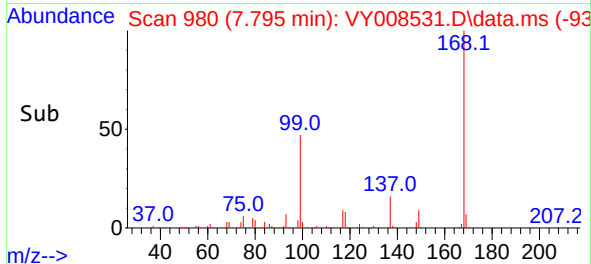
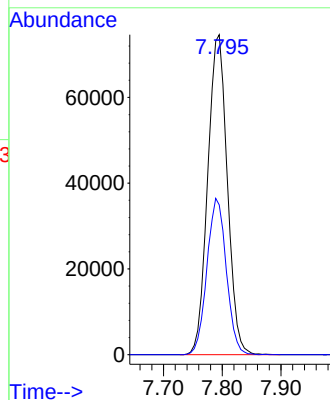
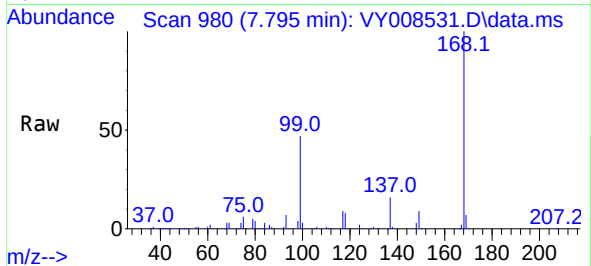




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

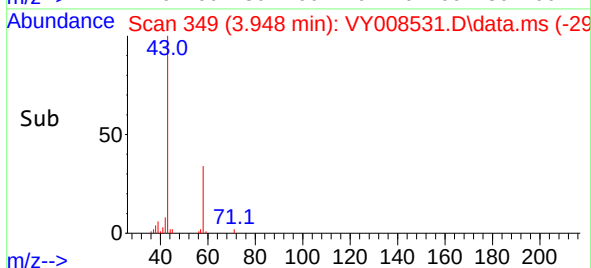
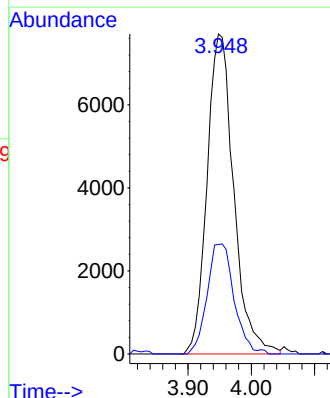
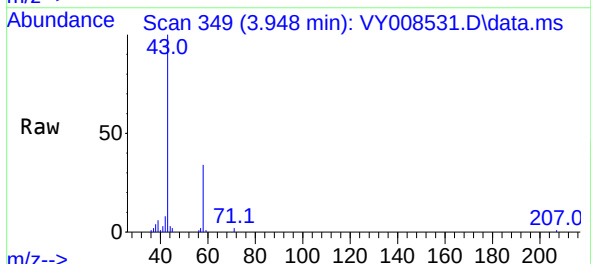
Instrument :
MSVOA_Y
ClientSampleId :
GT-11-(15-20)

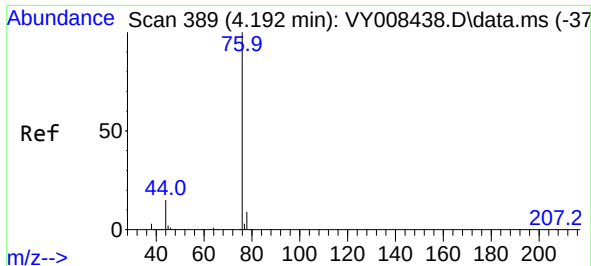
Tgt Ion:168 Resp: 172498
Ion Ratio Lower Upper
168 100
99 46.8 46.9 70.3#



#16
Acetone
Concen: 47.598 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

Tgt Ion: 43 Resp: 22502
Ion Ratio Lower Upper
43 100
58 34.2 22.0 33.0#

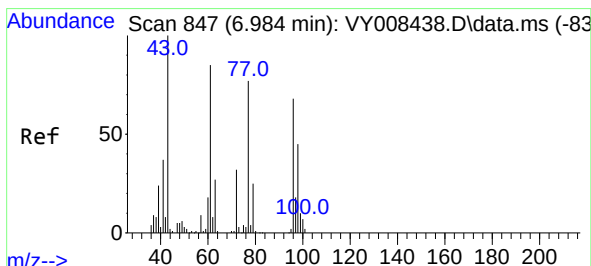
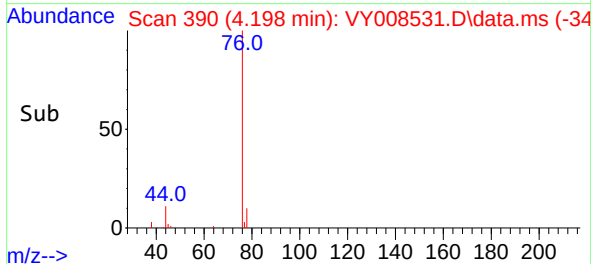
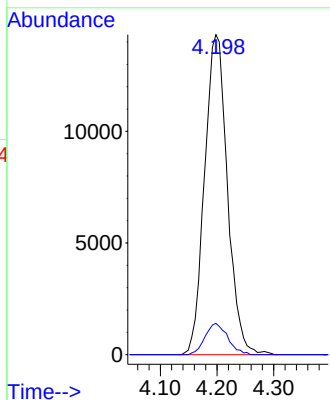
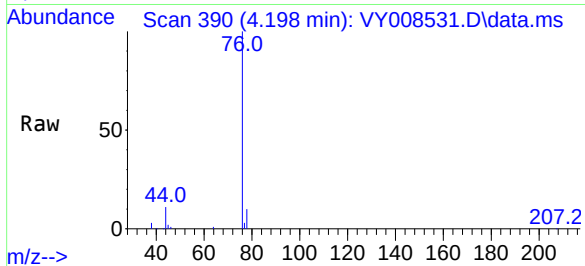




#17
Carbon Disulfide
Concen: 7.125 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

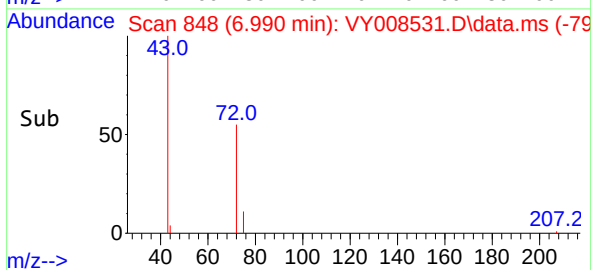
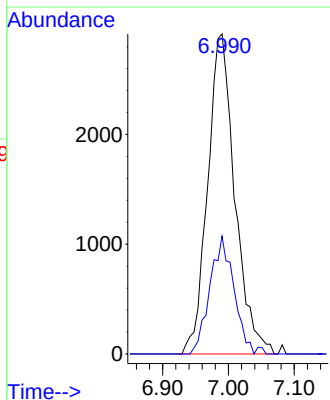
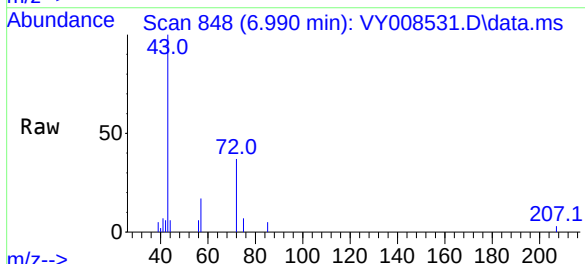
Instrument :
MSVOA_Y
ClientSampleId :
GT-11-(15-20)

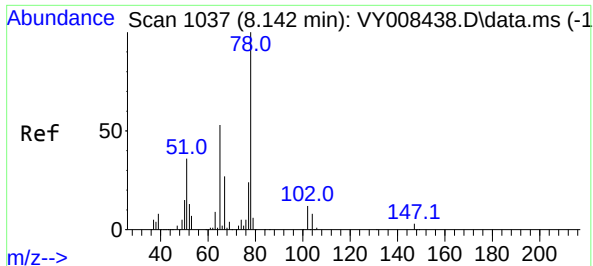
Tgt Ion: 76 Resp: 40166
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#25
2-Butanone
Concen: 11.478 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

Tgt Ion: 43 Resp: 8395
Ion Ratio Lower Upper
43 100
72 36.8 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 35.490 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008531.D

Acq: 27 Apr 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

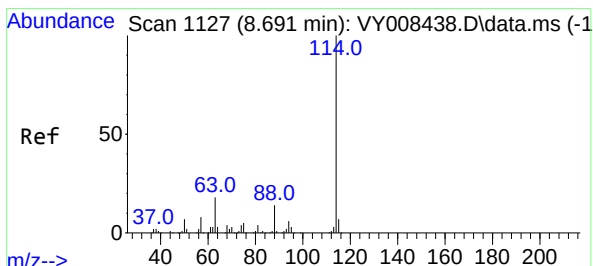
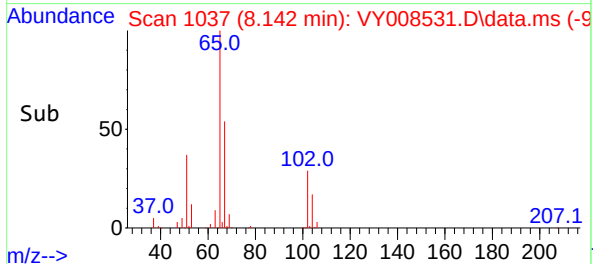
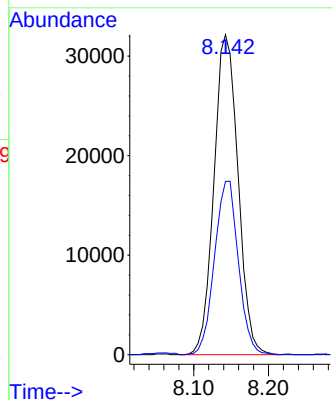
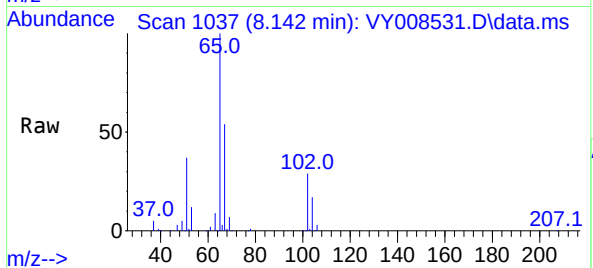
GT-11-(15-20)

Tgt Ion: 65 Resp: 72033

Ion Ratio Lower Upper

65 100

67 53.7 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: VY008531.D

Acq: 27 Apr 2022 16:45

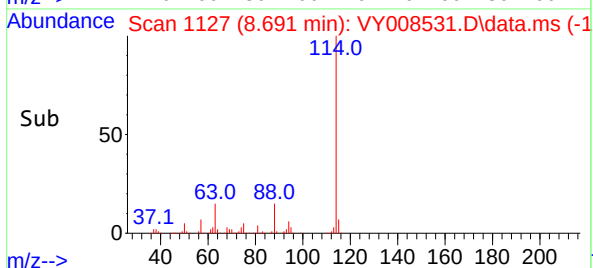
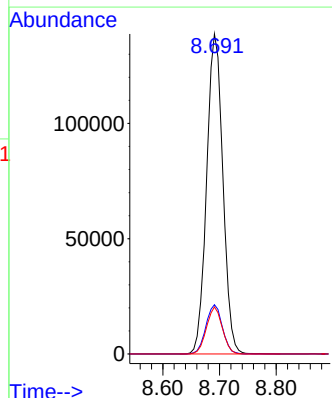
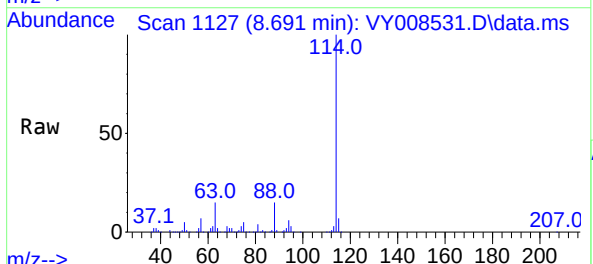
Tgt Ion: 114 Resp: 275920

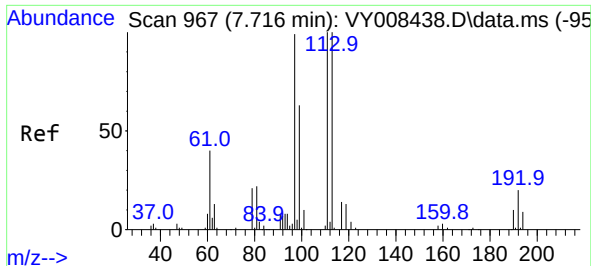
Ion Ratio Lower Upper

114 100

63 15.4 0.0 43.2

88 14.7 0.0 31.8

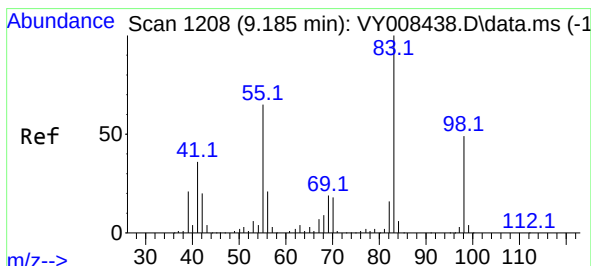
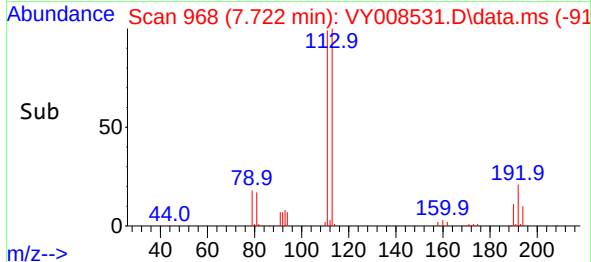
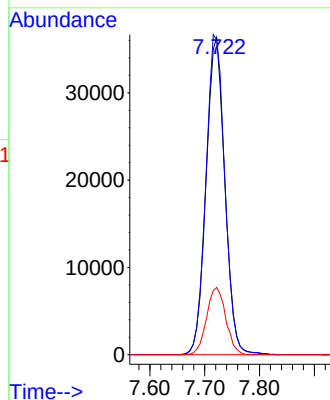
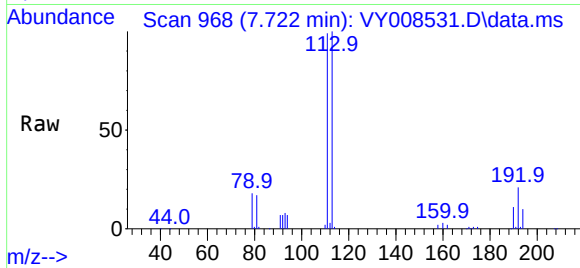




#35
Dibromofluoromethane
Concen: 48.346 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

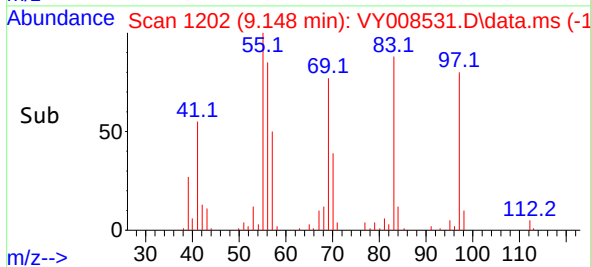
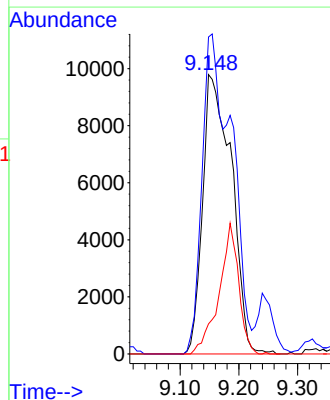
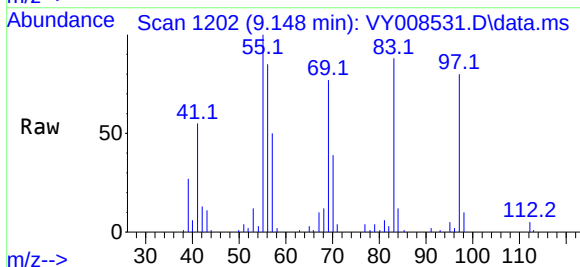
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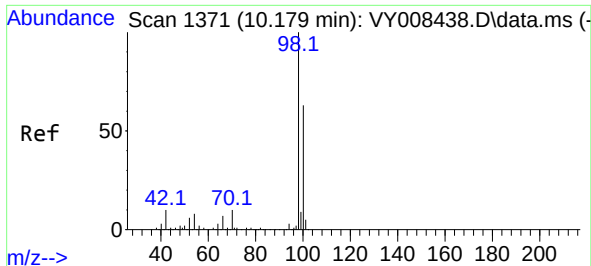
Tgt Ion:113 Resp: 86091
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 21.7 17.6 26.4



#39
Methylcyclohexane
Concen: 9.200 ug/l
RT: 9.148 min Scan# 1202
Delta R.T. -0.037 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

Tgt Ion: 83 Resp: 33368
Ion Ratio Lower Upper
83 100
55 113.4 66.5 99.7#
98 10.8 37.9 56.9#

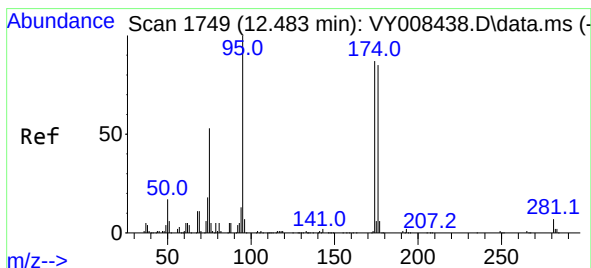
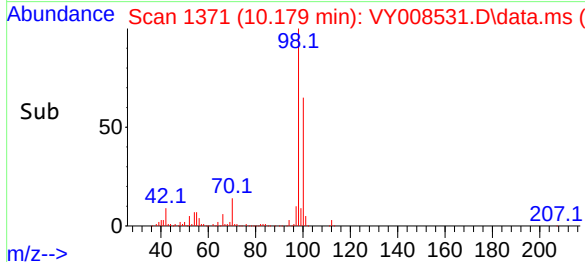
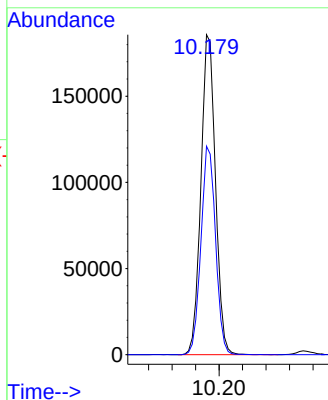
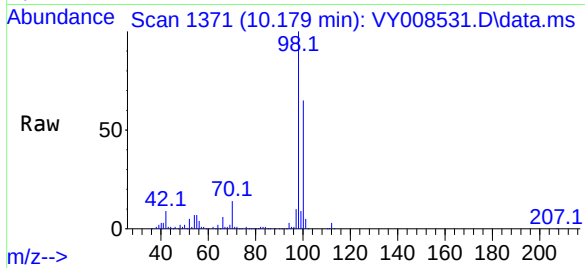




#50
Toluene-d8
Concen: 45.272 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

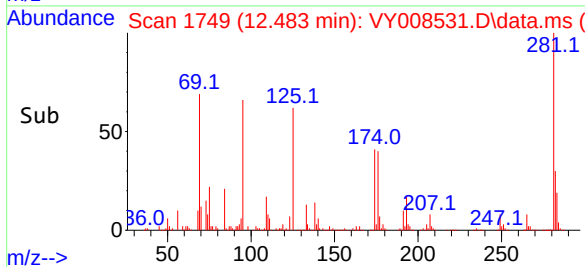
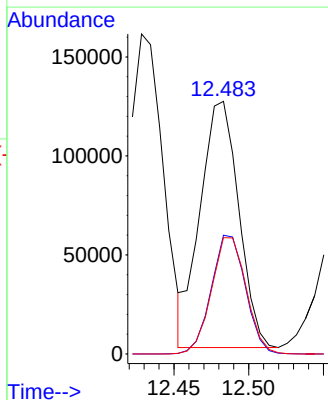
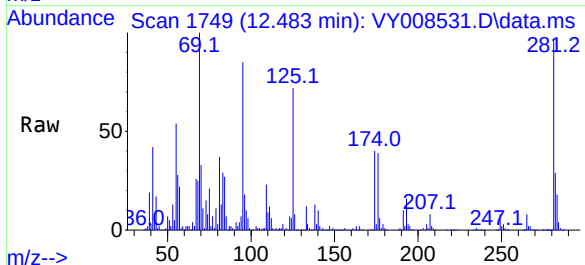
Instrument :
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GT-11-(15-20)

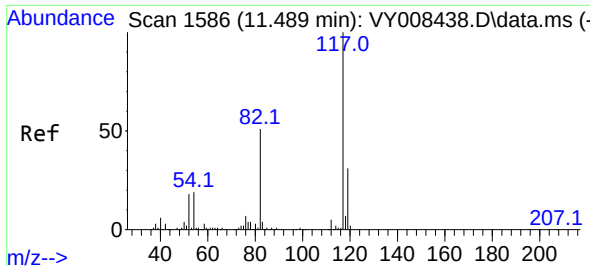
Tgt Ion: 98 Resp: 319755
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 92.845 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

Tgt Ion: 95 Resp: 222627
Ion Ratio Lower Upper
95 100
174 42.8 0.0 177.0
176 42.8 0.0 175.8

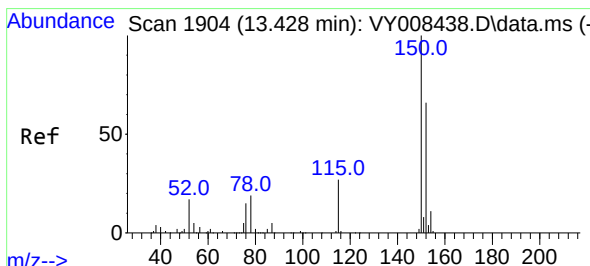
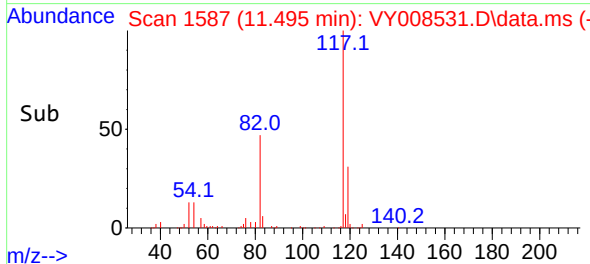
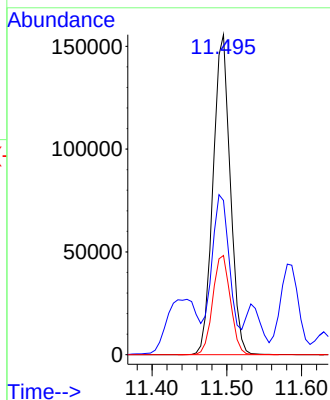
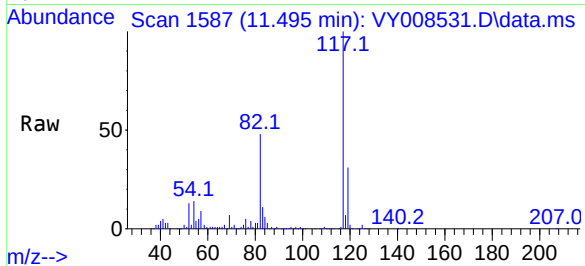




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

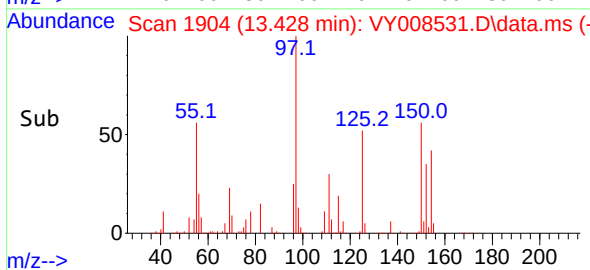
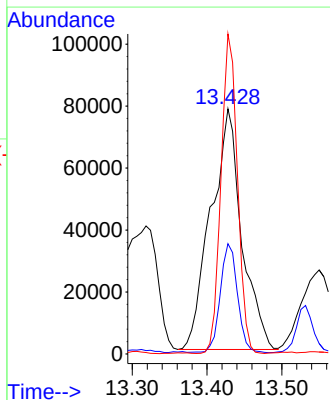
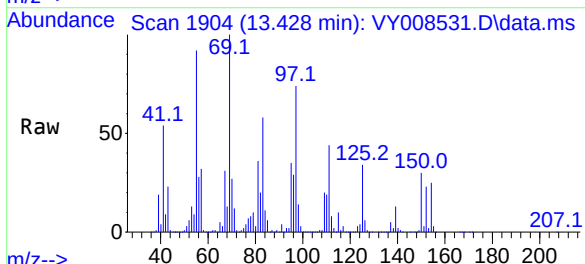
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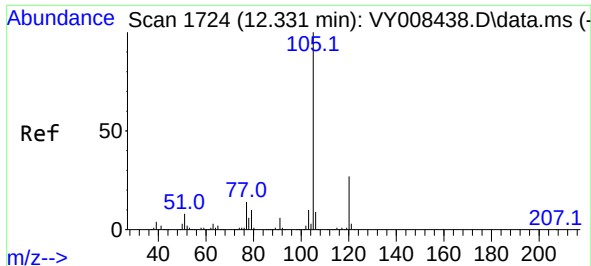
Tgt Ion:117 Resp: 249006
Ion Ratio Lower Upper
117 100
82 36.1 43.0 64.4#
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

Tgt Ion:152 Resp: 224037
Ion Ratio Lower Upper
152 100
115 25.2 28.2 84.7#
150 70.6 0.0 347.6

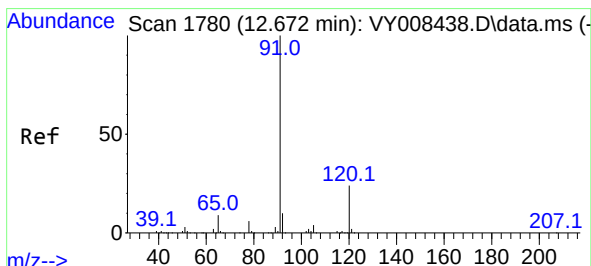
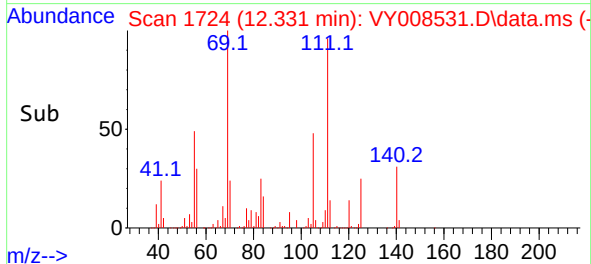
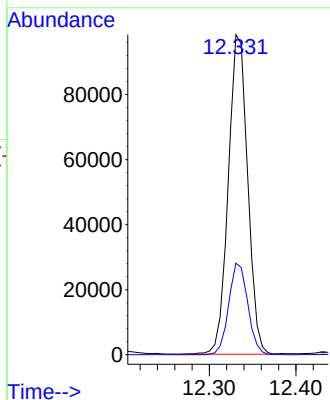
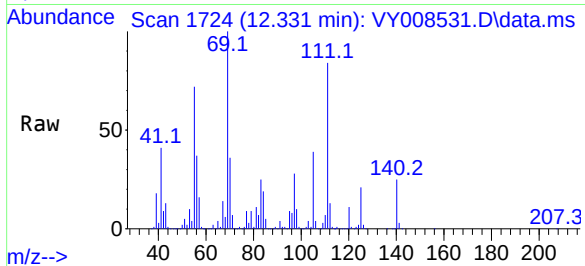




#73
Isopropylbenzene
Concen: 8.982 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

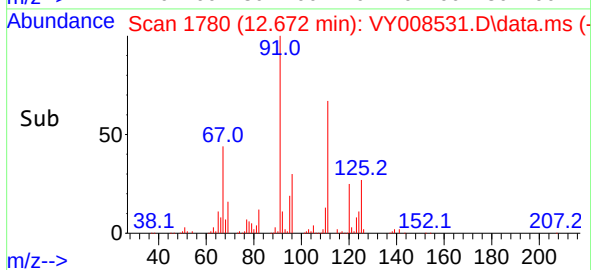
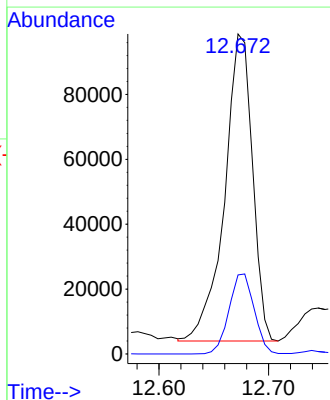
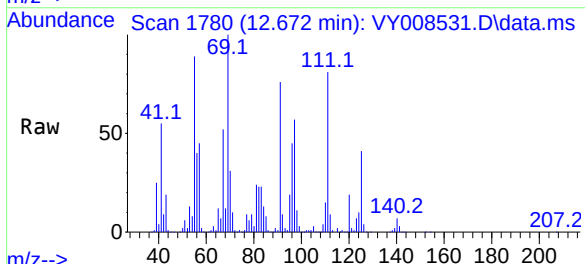
Instrument :
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GT-11-(15-20)

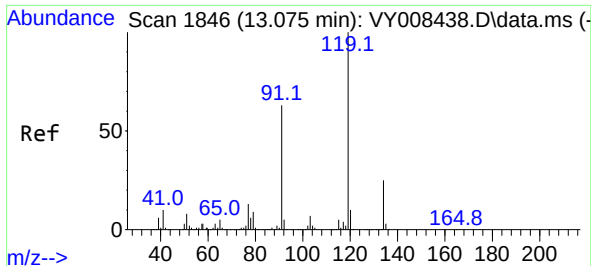
Tgt Ion:105 Resp: 152575
Ion Ratio Lower Upper
105 100
120 28.2 13.4 40.2



#78
n-propylbenzene
Concen: 8.196 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

Tgt Ion: 91 Resp: 166984
Ion Ratio Lower Upper
91 100
120 23.6 11.3 33.9

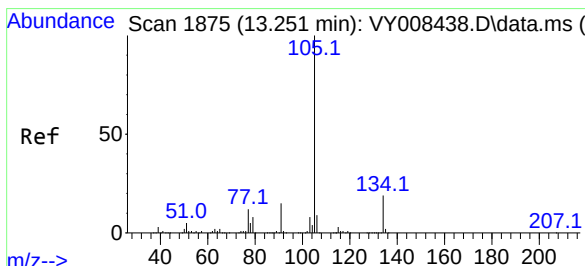
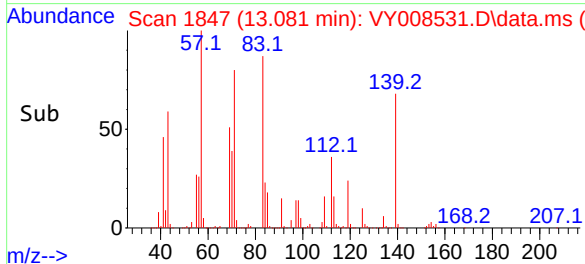
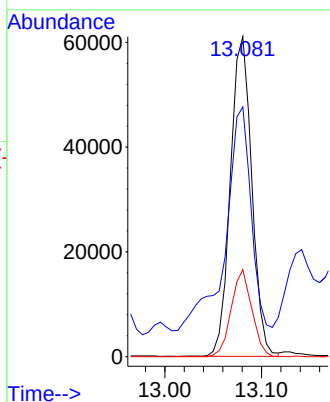
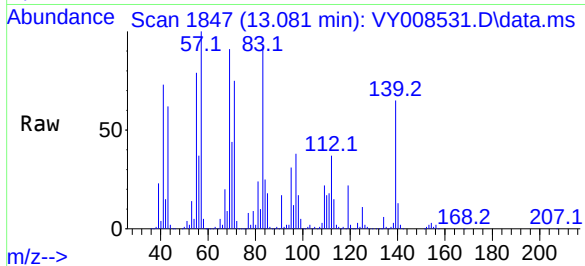




#83
tert-Butylbenzene
Concen: 7.669 ug/l
RT: 13.081 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

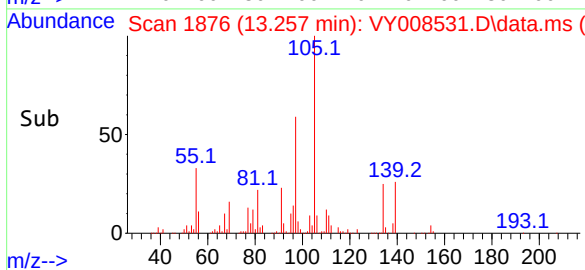
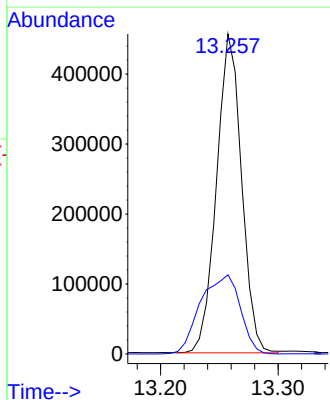
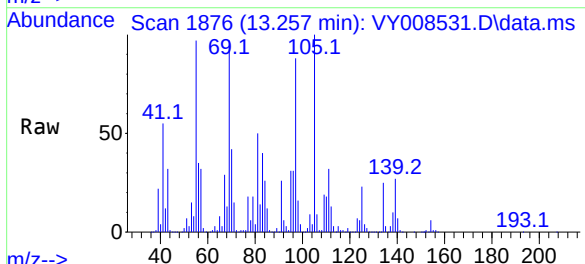
Instrument :
MSVOA_Y
ClientSampleId :
GT-11-(15-20)

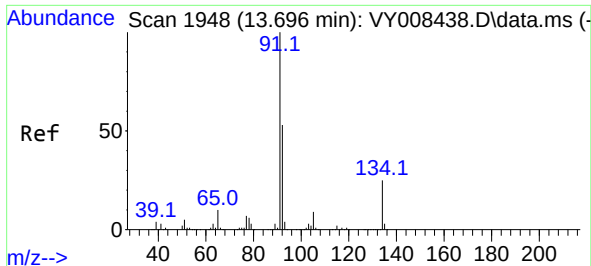
Tgt Ion:119 Resp: 93868
Ion Ratio Lower Upper
119 100
91 83.3 34.8 104.4
134 26.2 13.3 39.9



#85
sec-Butylbenzene
Concen: 36.507 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY008531.D
Acq: 27 Apr 2022 16:45

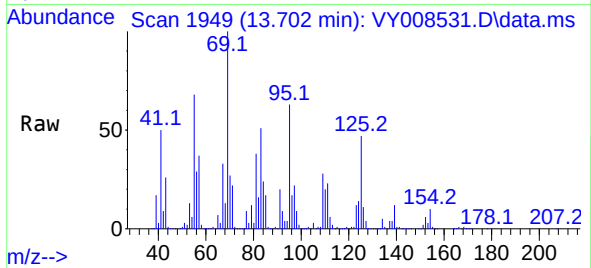
Tgt Ion:105 Resp: 674338
Ion Ratio Lower Upper
105 100
134 39.3 10.2 30.4#





#89
 n-Butylbenzene
 Concen: 10.345 ug/l
 RT: 13.702 min Scan# 1949
 Delta R.T. 0.006 min
 Lab File: VY008531.D
 Acq: 27 Apr 2022 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 GT-11-(15-20)



Tgt Ion: 91 Resp: 145245

Ion	Ratio	Lower	Upper
91	100		
92	38.8	26.3	78.9
134	52.8	13.0	38.9#

