

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015316.D
 Acq On : 24 Aug 2023 16:55
 Operator : SY/MD
 Sample : 04119-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT2674

Quant Time: Aug 25 03:21:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

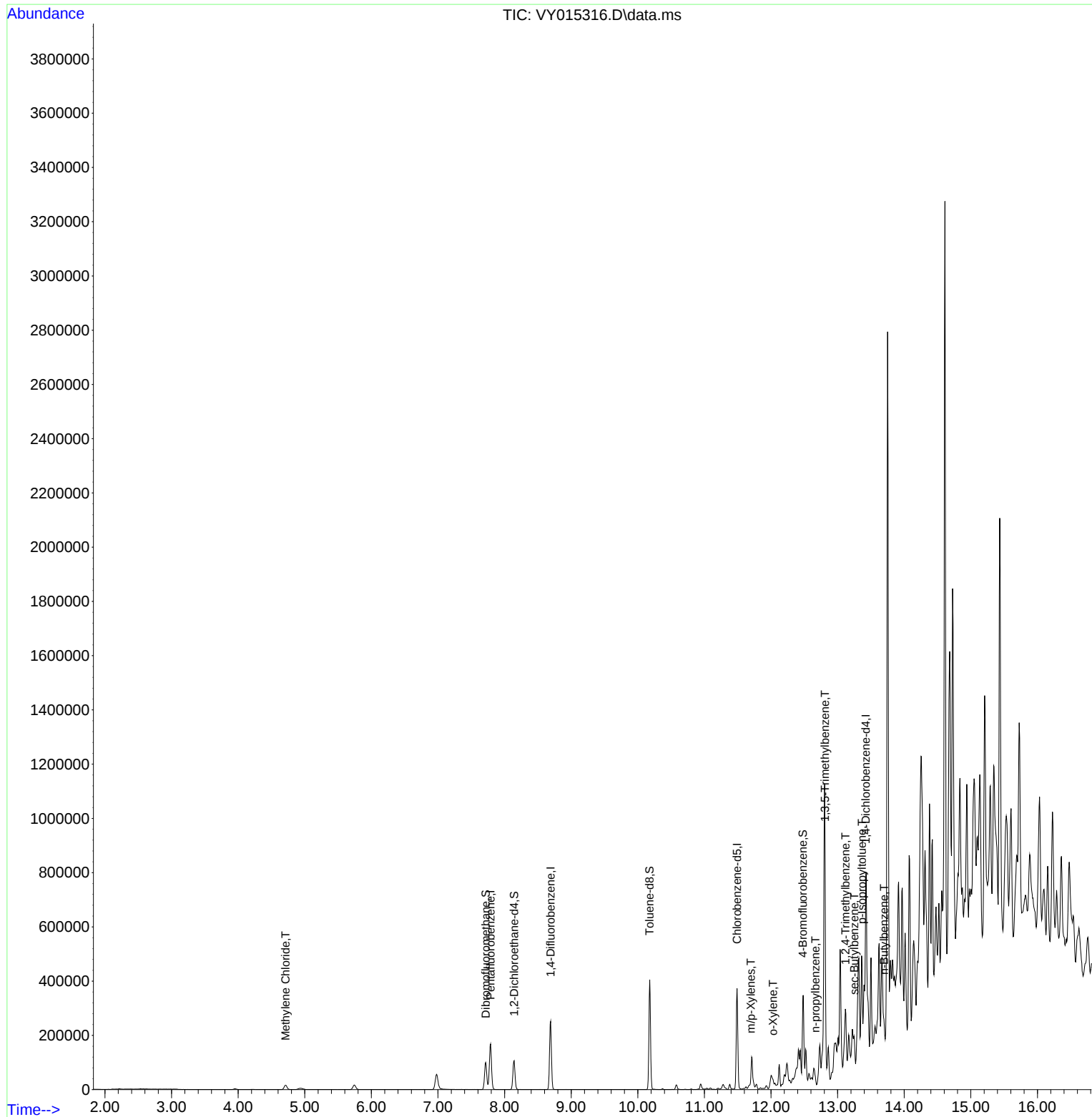
Internal Standards						
1) Pentafluorobenzene	7.789	168	129598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	216746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	201096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84288	54.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.360%	
35) Dibromofluoromethane	7.716	113	69514	49.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.700%	
50) Toluene-d8	10.179	98	255625	49.246	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.477	95	90749	47.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.740%	
Target Compounds						Qvalue
20) Methylene Chloride	4.710	84	11952	6.007	ug/l	94
68) m/p-Xylenes	11.697	106	2565	1.052	ug/l	99
69) o-Xylene	12.032	106	4313	1.776	ug/l	96
78) n-propylbenzene	12.666	91	7584	1.039	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	51588	10.068	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	100541	19.637	ug/l	99
85) sec-Butylbenzene	13.251	105	19018	2.770	ug/l	89
86) p-Isopropyltoluene	13.367	119	30315	5.325	ug/l	97
89) n-Butylbenzene	13.696	91	26512	4.939	ug/l #	67

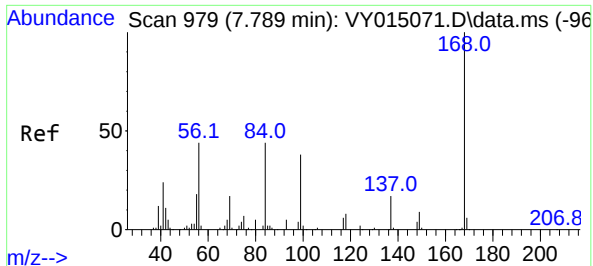
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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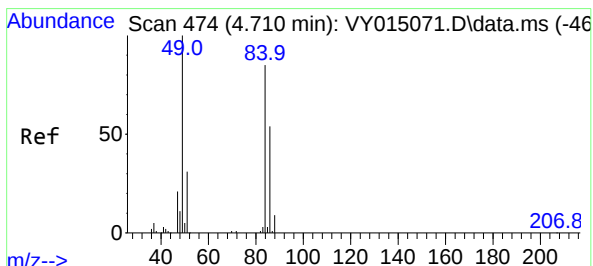
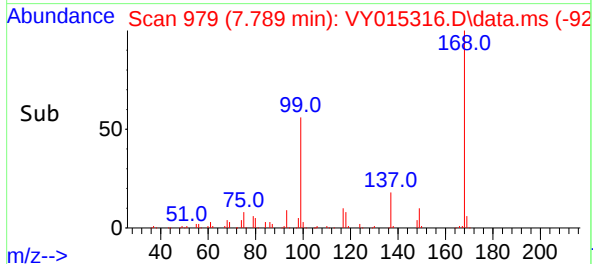
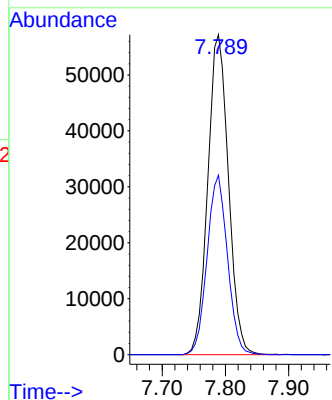
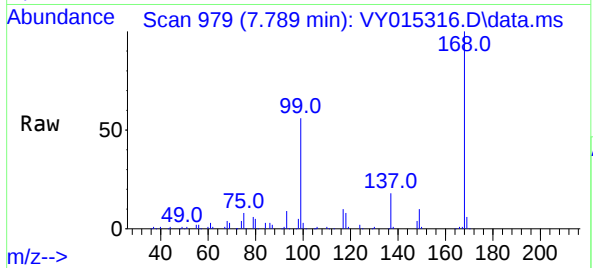




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

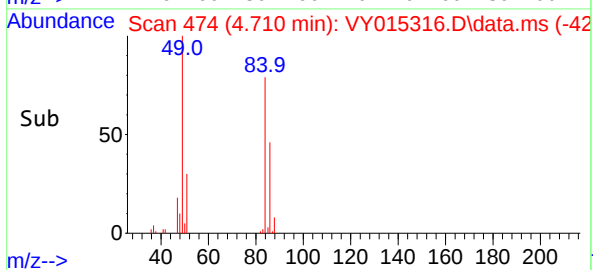
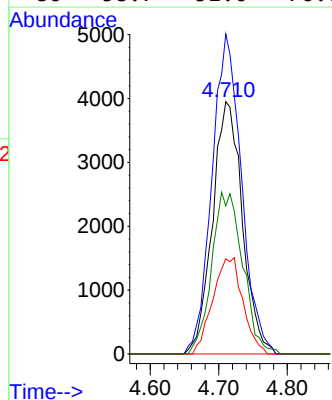
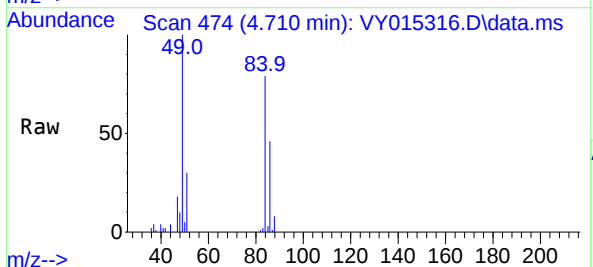
Instrument :
MSVOA_Y
ClientSampleId :
RT2674

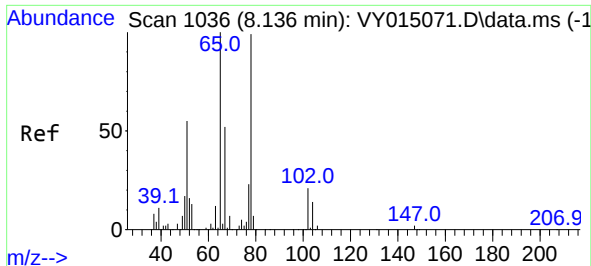
Tgt Ion:168 Resp: 129598
Ion Ratio Lower Upper
168 100
99 56.1 43.4 65.0



#20
Methylene Chloride
Concen: 6.007 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Tgt Ion: 84 Resp: 11952
Ion Ratio Lower Upper
84 100
49 126.8 106.9 160.3
51 37.7 33.2 49.8
86 58.7 51.0 76.6

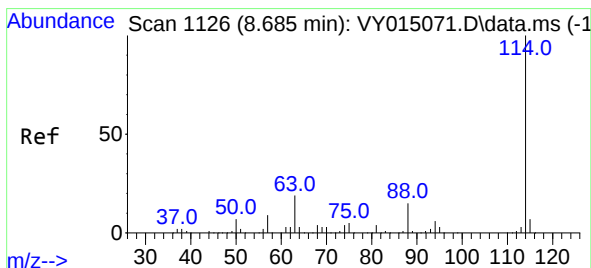
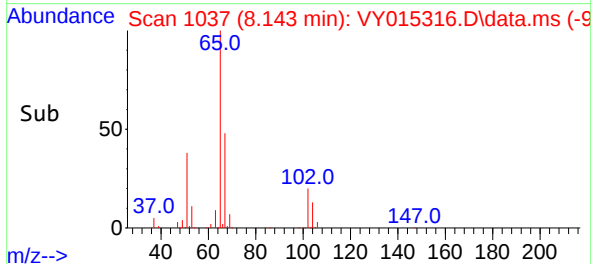
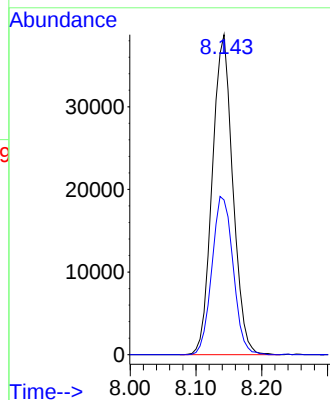
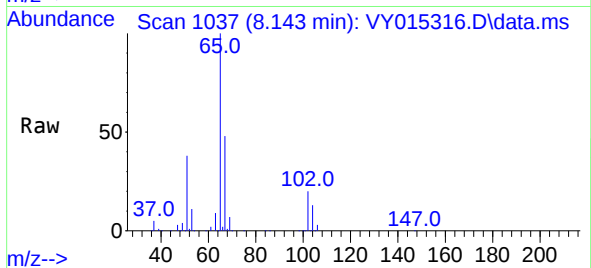




#33
1,2-Dichloroethane-d4
Concen: 54.180 ug/l
RT: 8.143 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

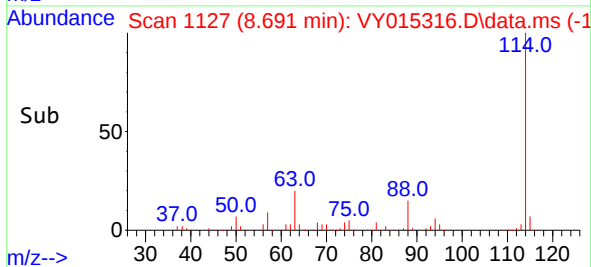
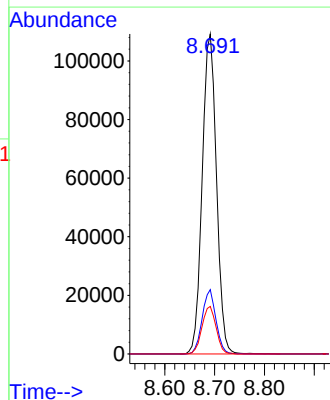
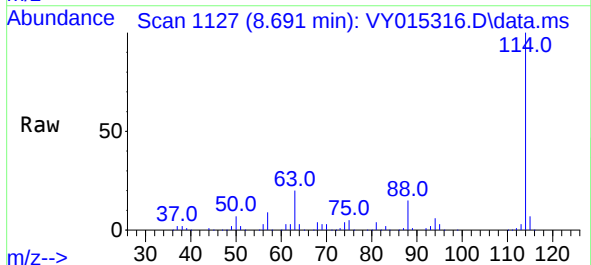
Instrument :
MSVOA_Y
ClientSampleId :
RT2674

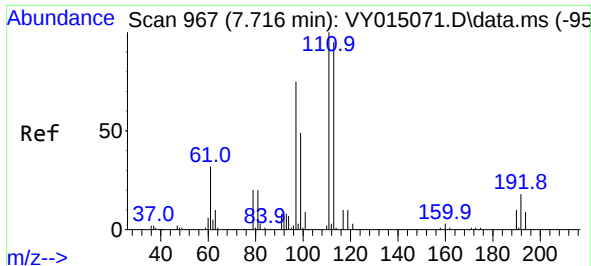
Tgt Ion: 65 Resp: 84288
Ion Ratio Lower Upper
65 100
67 51.1 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Tgt Ion: 114 Resp: 216746
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.4
88 14.9 0.0 30.6

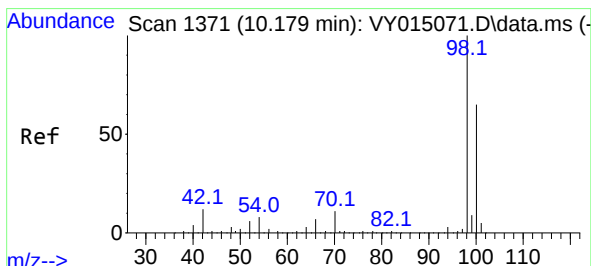
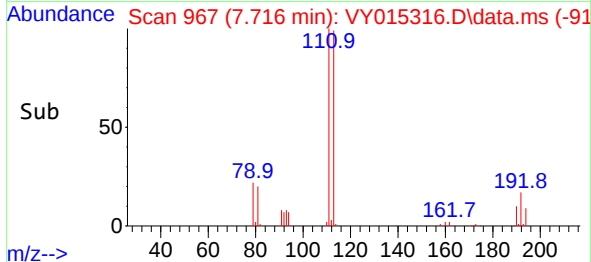
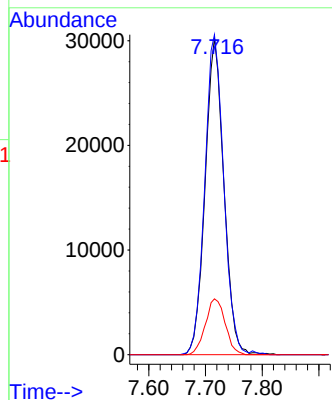
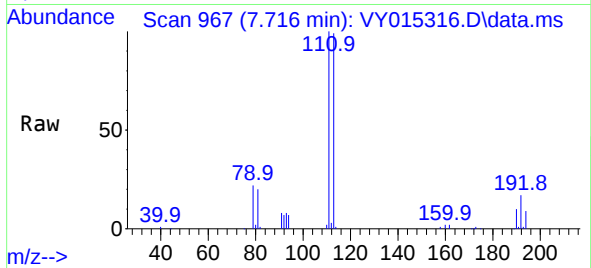




#35
Dibromofluoromethane
Concen: 49.852 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

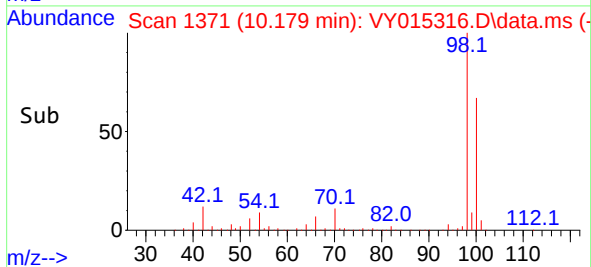
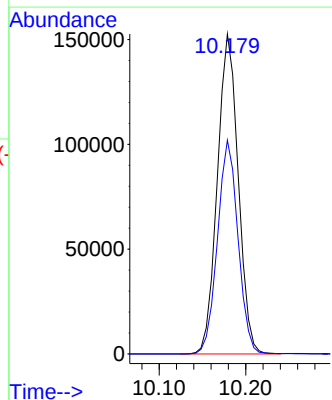
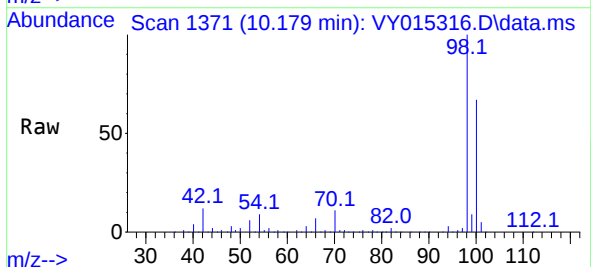
Instrument :
MSVOA_Y
ClientSampleId :
RT2674

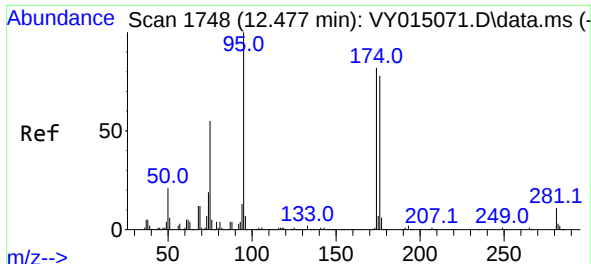
Tgt Ion:113 Resp: 69514
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 18.6 16.9 25.3



#50
Toluene-d8
Concen: 49.246 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Tgt Ion: 98 Resp: 255625
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

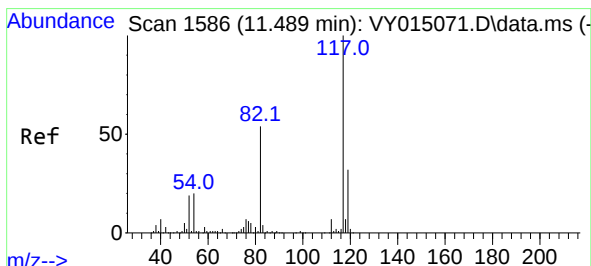
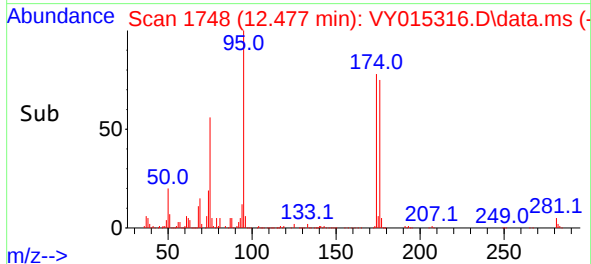
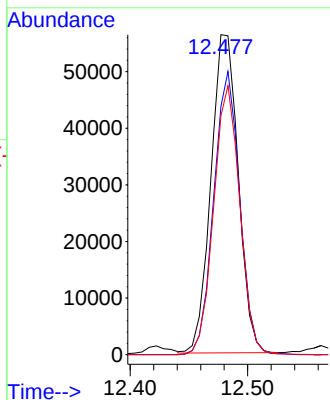
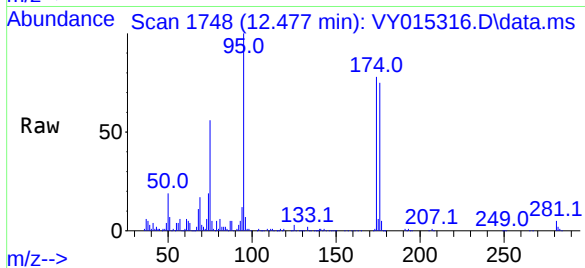




#62
4-Bromofluorobenzene
Concen: 47.866 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

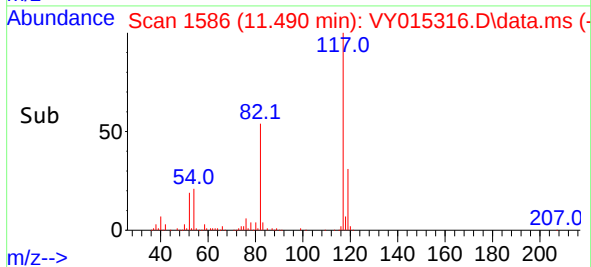
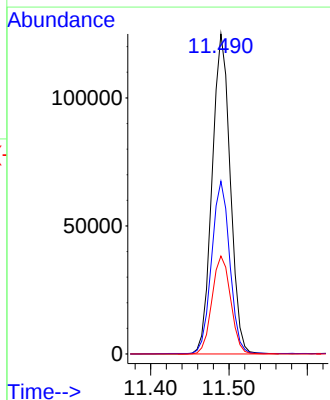
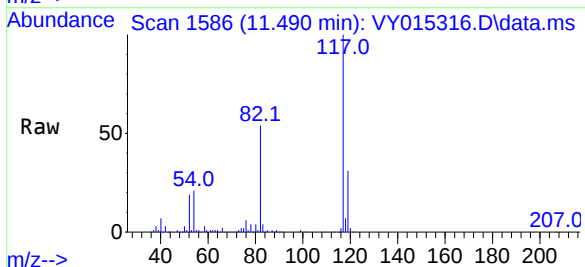
Instrument :
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ClientSampleId :
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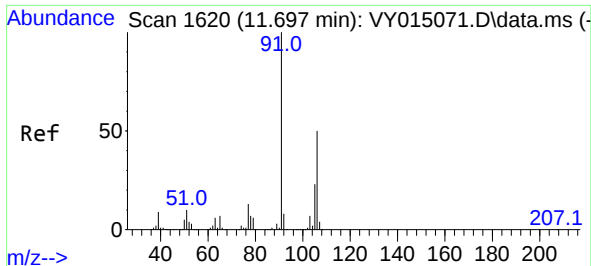
Tgt Ion:	95	Resp:	90749
Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	178.2
176	81.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Tgt Ion:	117	Resp:	201096
Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.4	65.0
119	30.6	26.3	39.5

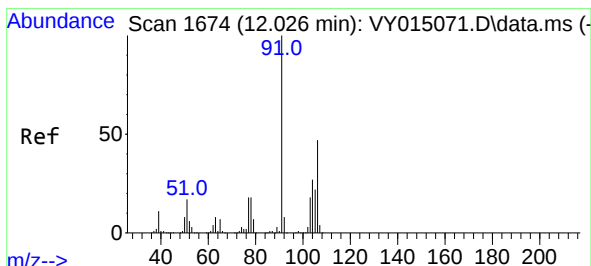
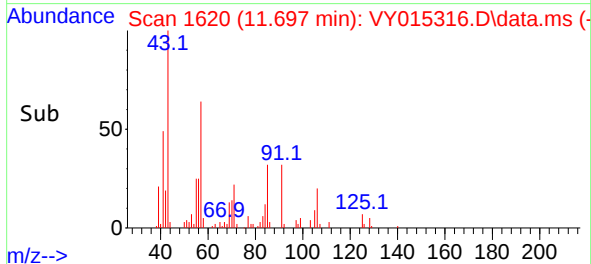
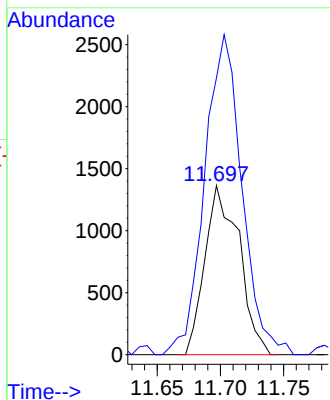
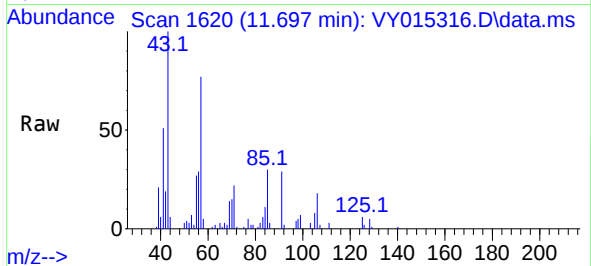




#68
m/p-Xylenes
Concen: 1.052 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

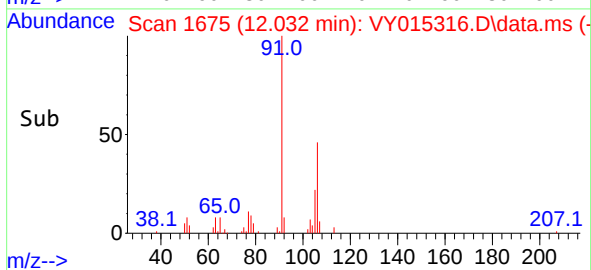
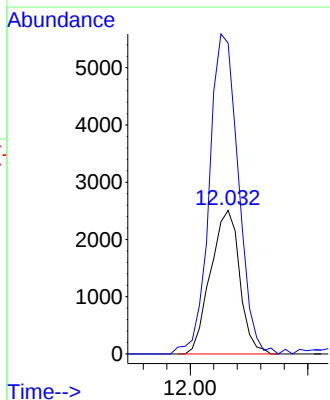
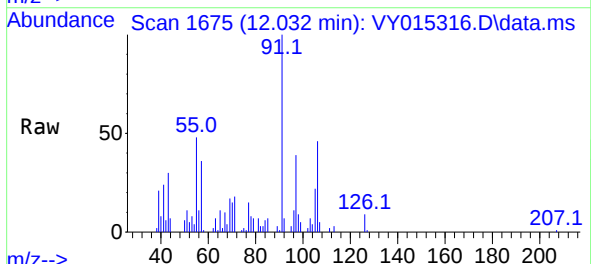
Instrument :
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RT2674

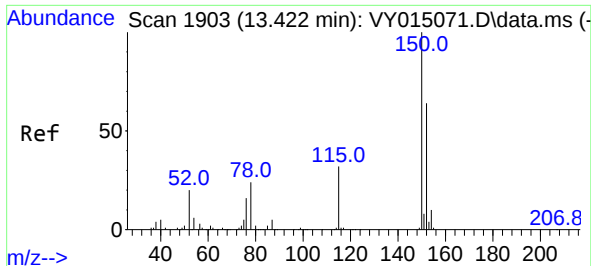
Tgt Ion:106 Resp: 2565
Ion Ratio Lower Upper
106 100
91 206.5 166.1 249.1



#69
o-Xylene
Concen: 1.776 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Tgt Ion:106 Resp: 4313
Ion Ratio Lower Upper
106 100
91 222.2 108.1 324.3

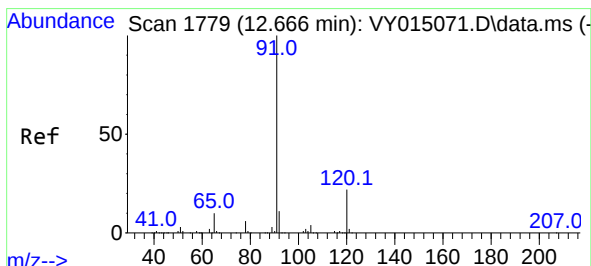
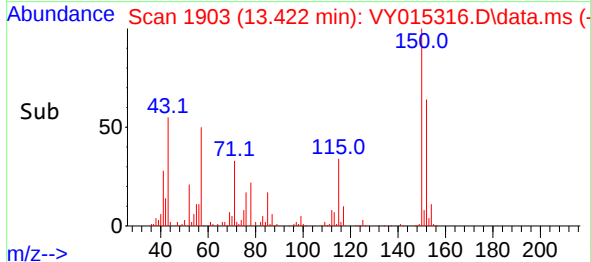
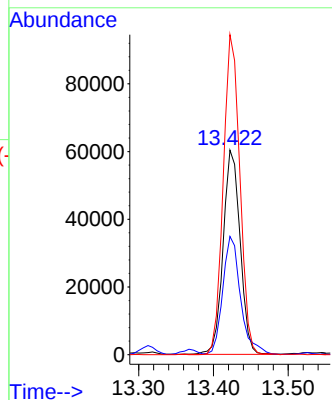
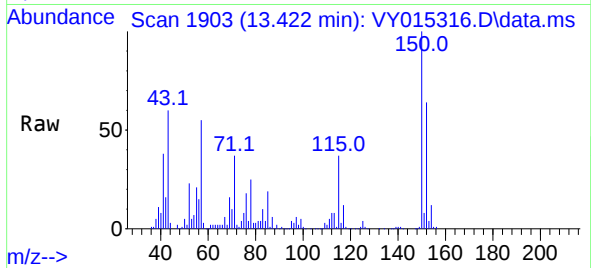




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

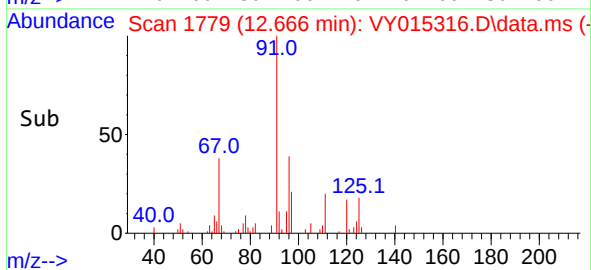
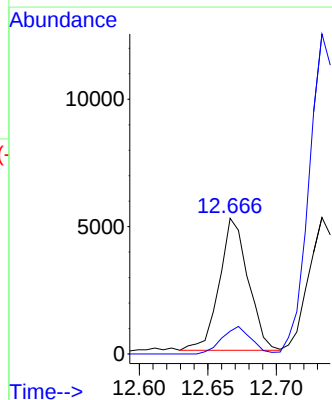
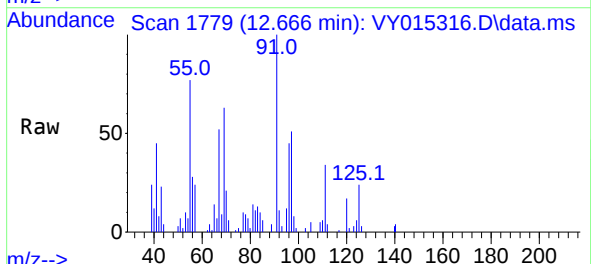
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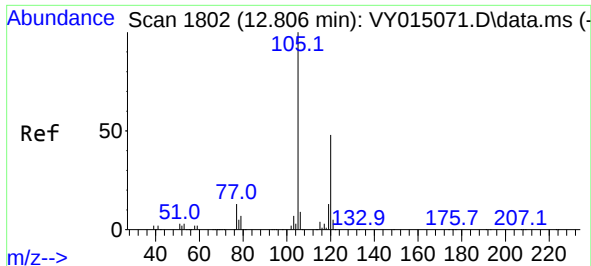
Tgt Ion:152 Resp: 95589
Ion Ratio Lower Upper
152 100
115 60.6 28.8 86.5
150 153.3 0.0 348.8



#78
n-propylbenzene
Concen: 1.039 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Tgt Ion: 91 Resp: 7584
Ion Ratio Lower Upper
91 100
120 21.0 11.5 34.4

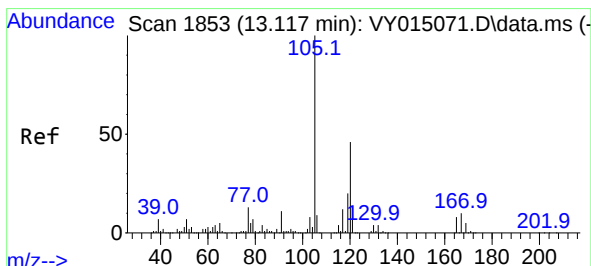
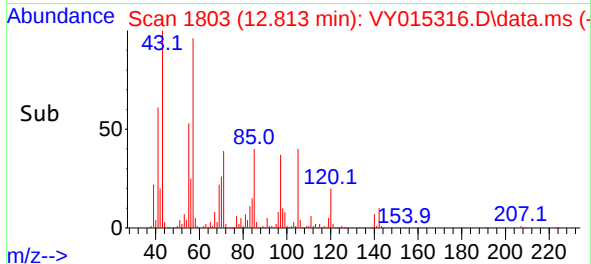
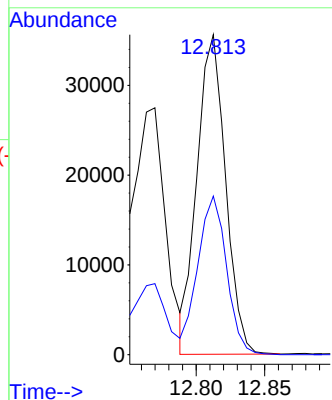
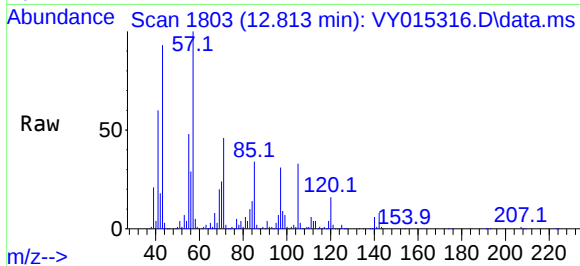




#80
1,3,5-Trimethylbenzene
Concen: 10.068 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

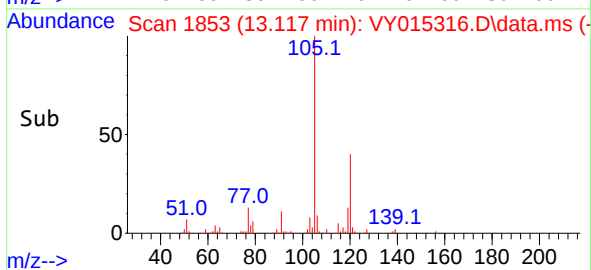
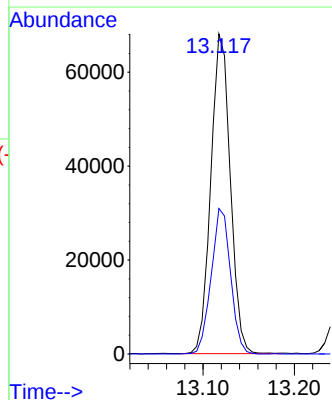
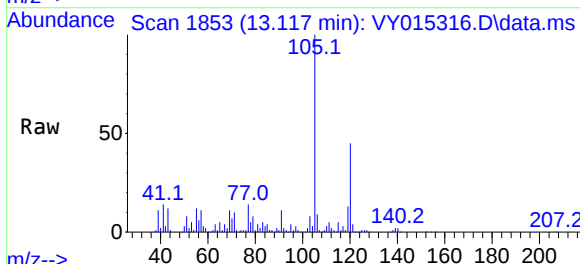
Instrument :
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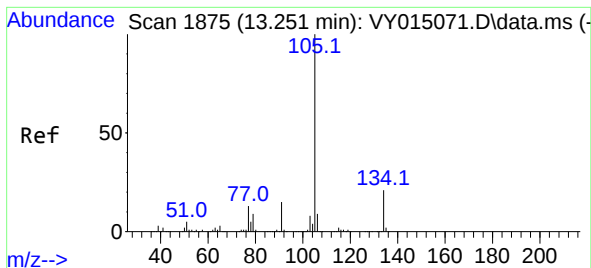
Tgt Ion:105 Resp: 51588
Ion Ratio Lower Upper
105 100
120 50.1 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 19.637 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Tgt Ion:105 Resp: 100541
Ion Ratio Lower Upper
105 100
120 45.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 2.770 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015316.D

Acq: 24 Aug 2023 16:55

Instrument :

MSVOA_Y

ClientSampleId :

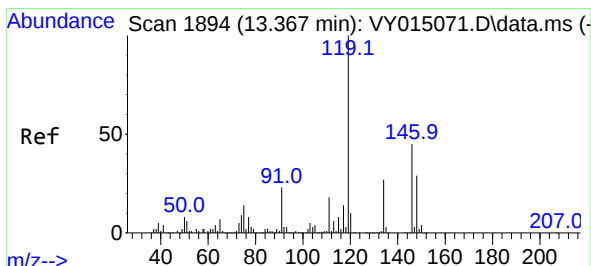
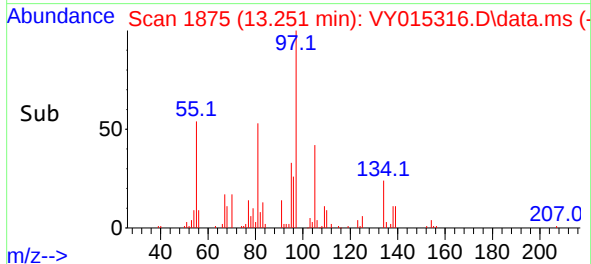
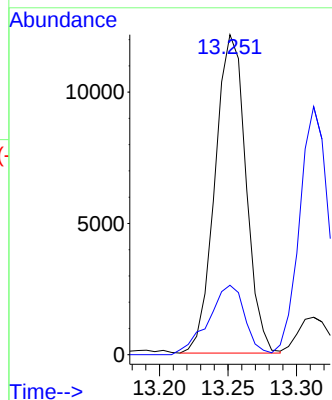
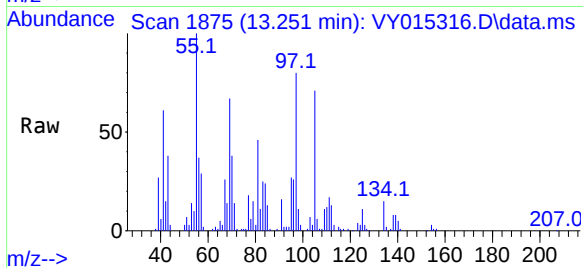
RT2674

Tgt Ion:105 Resp: 19018

Ion Ratio Lower Upper

105 100

134 25.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 5.325 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015316.D

Acq: 24 Aug 2023 16:55

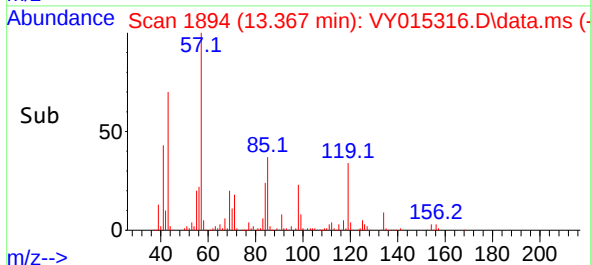
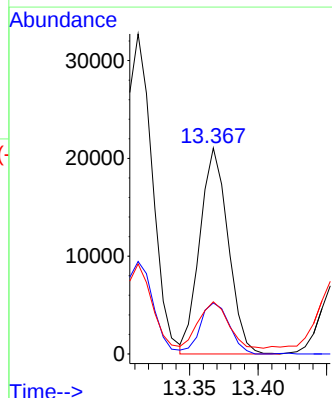
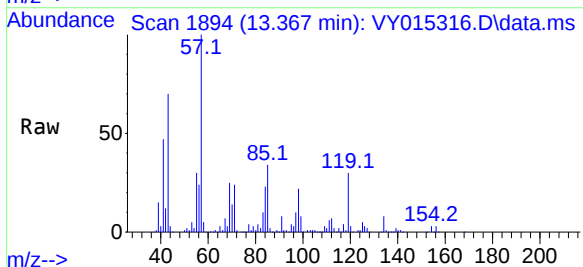
Tgt Ion:119 Resp: 30315

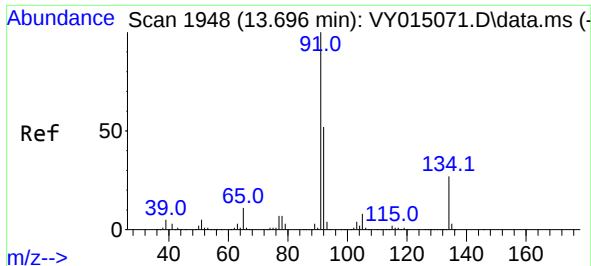
Ion Ratio Lower Upper

119 100

134 25.2 13.3 39.8

91 23.2 12.4 37.4





#89
n-Butylbenzene
Concen: 4.939 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY015316.D
Acq: 24 Aug 2023 16:55

Instrument :
MSVOA_Y
ClientSampleId :
RT2674

Tgt Ion: 91 Resp: 26512
Ion Ratio Lower Upper
91 100
92 67.8 25.4 76.0
134 0.0 12.6 37.6#

