

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110123\
 Data File : VY016170.D
 Acq On : 01 Nov 2023 15:50
 Operator : SY/MD
 Sample : 05102-04
 Misc : 4.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 67S-SB04-1419

Quant Time: Nov 02 02:27:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

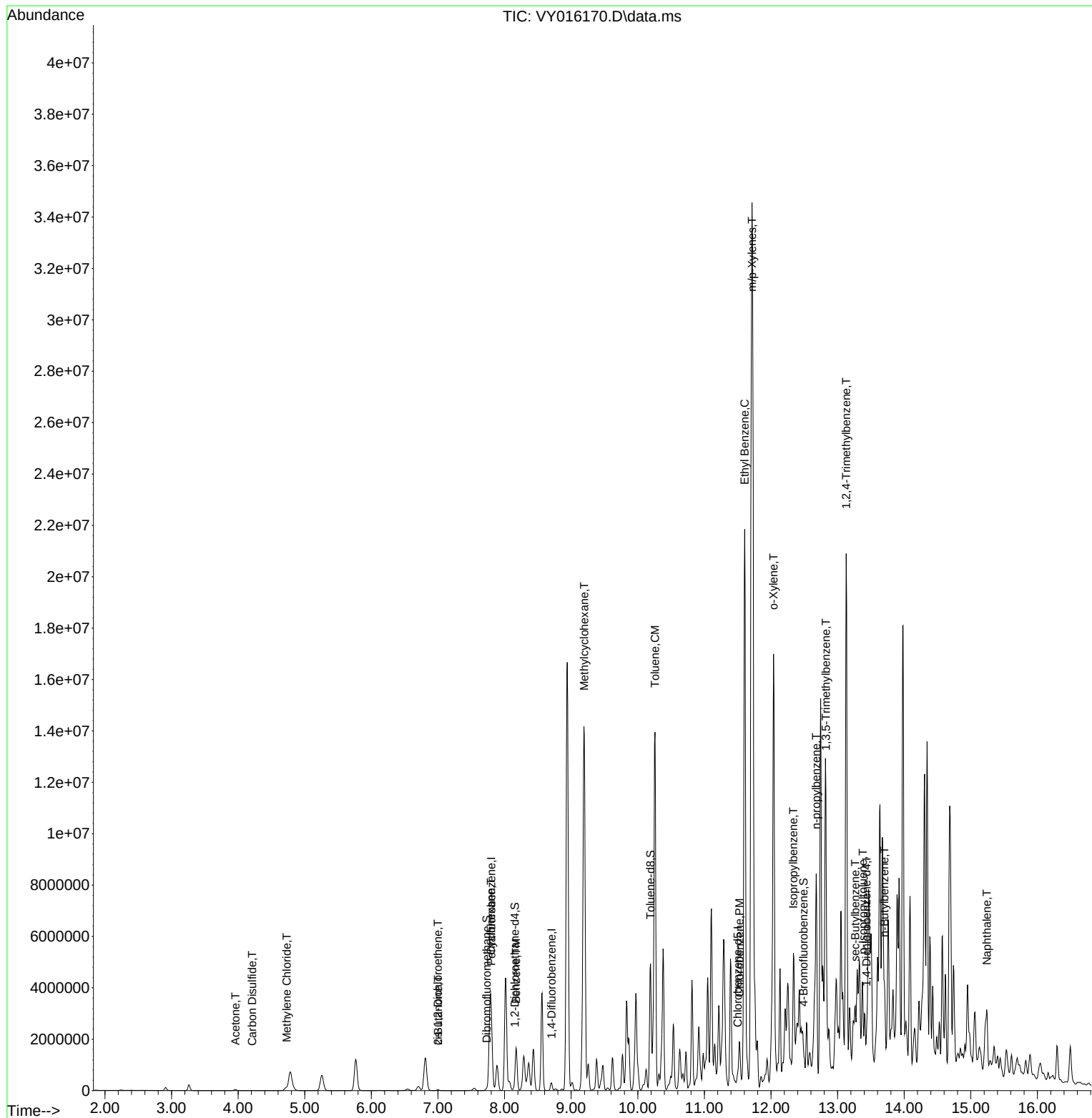
Internal Standards						
1) Pentafluorobenzene	7.801	168	132119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	217869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	191363	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	92164	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	72761	58.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.700%	
35) Dibromofluoromethane	7.734	113	59694	45.958	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.920%	
50) Toluene-d8	10.191	98	498283	96.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 193.520%#	
62) 4-Bromofluorobenzene	12.489	95	131888	74.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 149.800%#	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	55160	281.945	ug/l	92
17) Carbon Disulfide	4.210	76	12565	4.814	ug/l	99
20) Methylene Chloride	4.729	84	15217	9.643	ug/l	# 76
25) 2-Butanone	7.003	43	26574	77.912	ug/l	# 87
27) cis-1,2-Dichloroethene	6.997	96	3172	2.213	ug/l	90
31) Cyclohexane	7.795	56	1655889	871.313	ug/l	# 96
39) Methylcyclohexane	9.197	83	4551799	2033.149	ug/l	# 81
40) Benzene	8.173	78	1653072	307.004	ug/l	99
52) Toluene	10.258	92	6252193	1791.894	ug/l	87
65) Chlorobenzene	11.526	112	735379	193.422	ug/l	99
67) Ethyl Benzene	11.605	91	14457890	2126.098	ug/l	# 81
68) m/p-Xylenes	11.715	106	14825666	5642.053	ug/l	# 68
69) o-Xylene	12.038	106	4383768	1747.291	ug/l	90
73) Isopropylbenzene	12.337	105	2625949	379.832	ug/l	99
78) n-propylbenzene	12.678	91	5681281	695.083	ug/l	96
80) 1,3,5-Trimethylbenzene	12.825	105	3118883	556.838	ug/l	97
84) 1,2,4-Trimethylbenzene	13.130	105	10605818	1913.628	ug/l	91
85) sec-Butylbenzene	13.264	105	922272	125.383	ug/l	# 67
86) p-Isopropyltoluene	13.380	119	433334	71.081	ug/l	100
89) n-Butylbenzene	13.703	91	1552402	277.138	ug/l	# 76
95) Naphthalene	15.239	128	1762895	549.623	ug/l	99

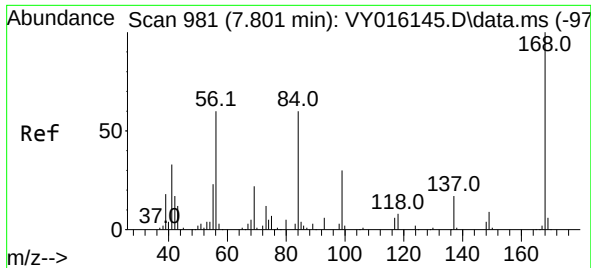
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 02 02:27:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

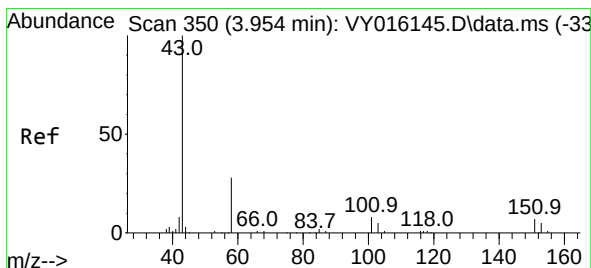
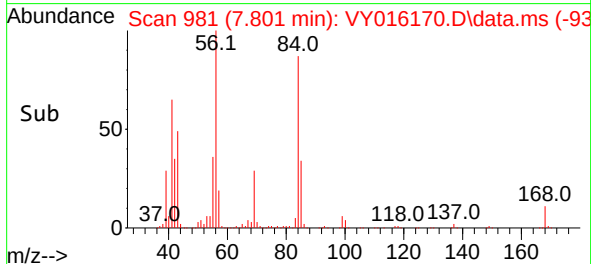
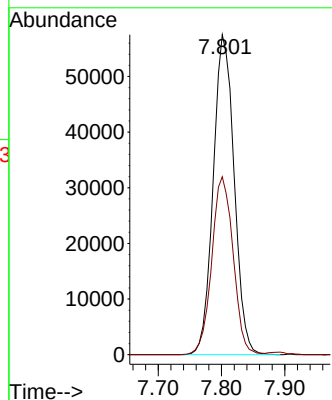
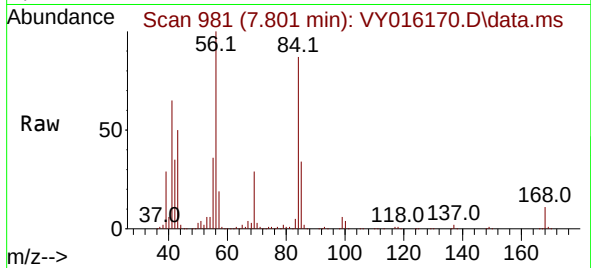




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

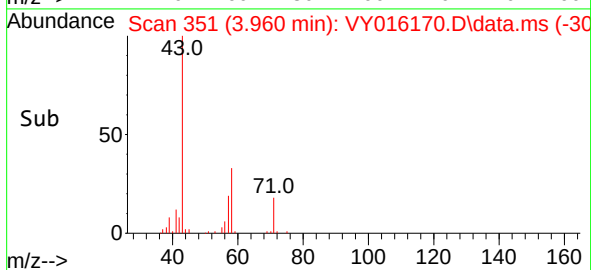
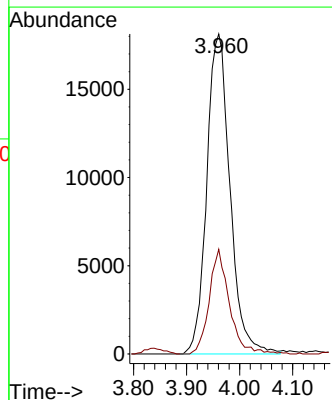
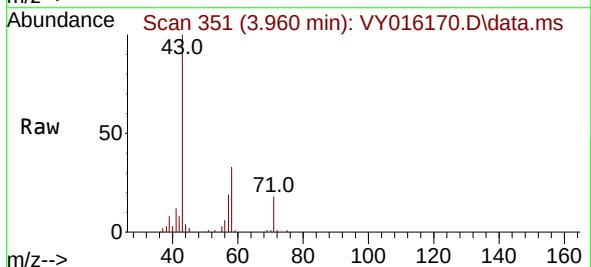
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

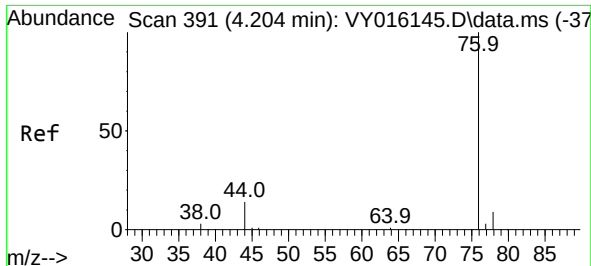
Tgt Ion:168 Resp: 132119
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#16
Acetone
Concen: 281.945 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 43 Resp: 55160
Ion Ratio Lower Upper
43 100
58 32.7 22.7 34.1





#17

Carbon Disulfide

Concen: 4.814 ug/l

RT: 4.210 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

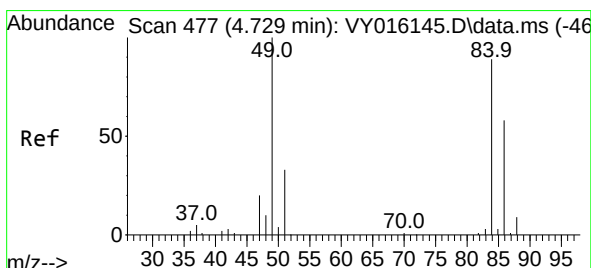
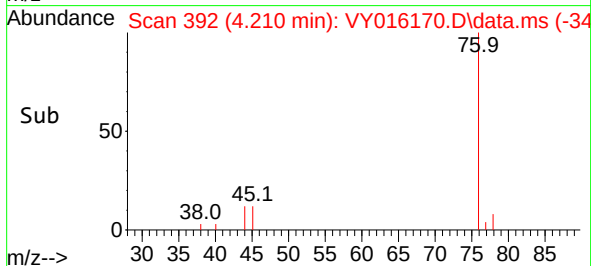
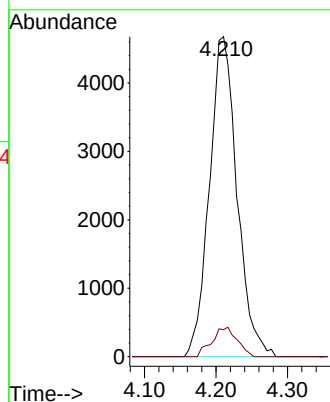
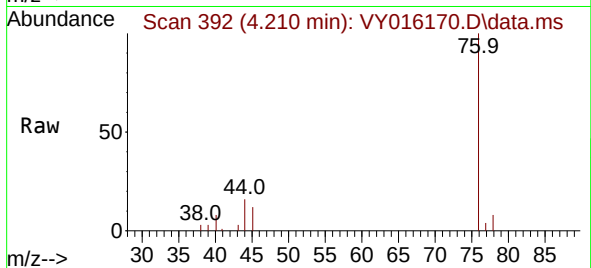
67S-SB04-1419

Tgt Ion: 76 Resp: 12565

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4



#20

Methylene Chloride

Concen: 9.643 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Tgt Ion: 84 Resp: 15217

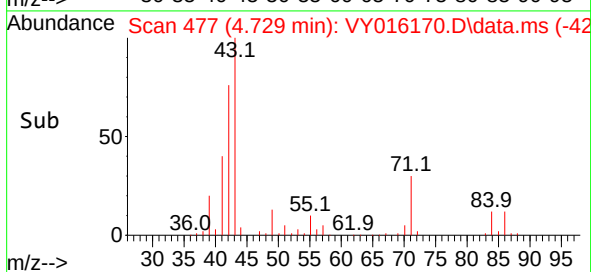
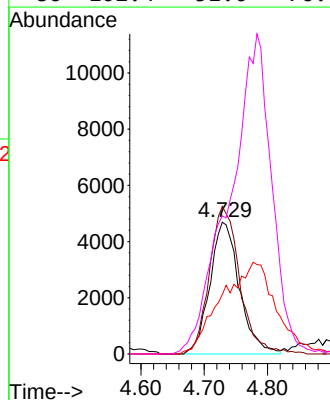
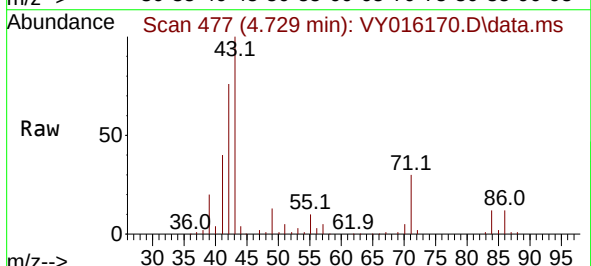
Ion Ratio Lower Upper

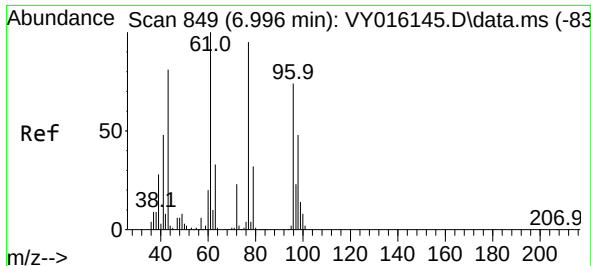
84 100

49 112.1 106.9 160.3

51 45.0 33.2 49.8

86 102.4 51.0 76.6#

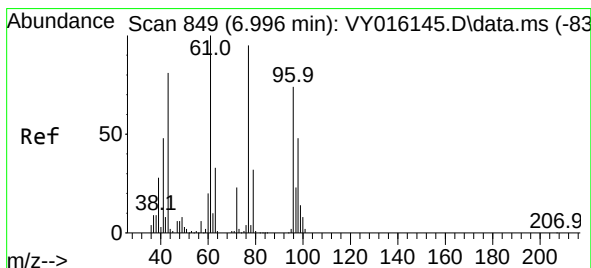
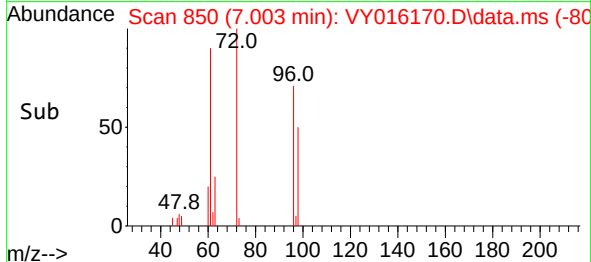
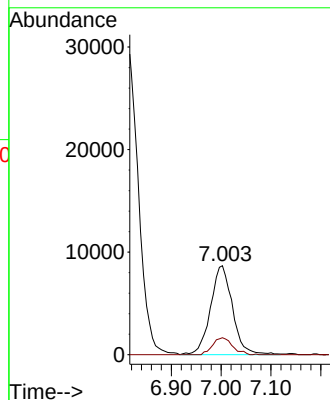
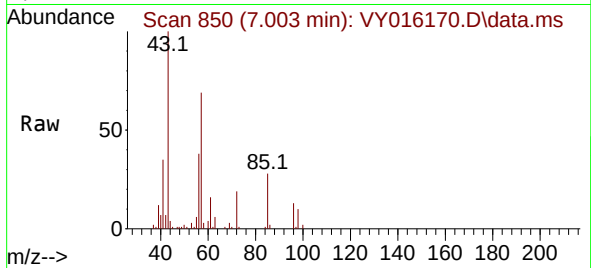




#25
2-Butanone
Concen: 77.912 ug/l
RT: 7.003 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

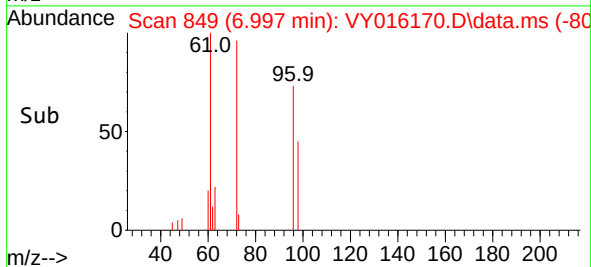
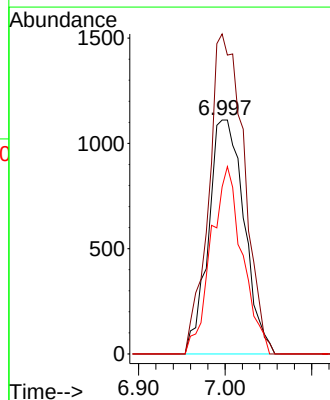
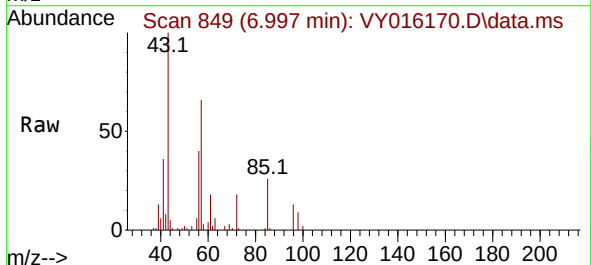
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

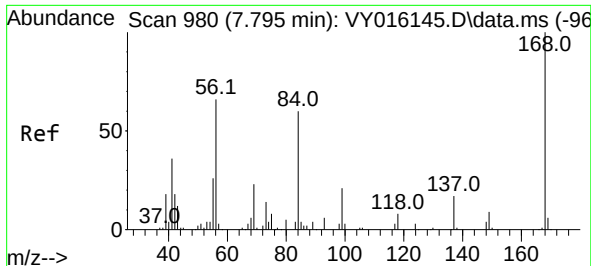
Tgt Ion: 43 Resp: 26574
Ion Ratio Lower Upper
43 100
72 19.0 20.5 30.7#



#27
cis-1,2-Dichloroethene
Concen: 2.213 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 96 Resp: 3172
Ion Ratio Lower Upper
96 100
61 135.3 0.0 301.4
98 70.6 0.0 130.4

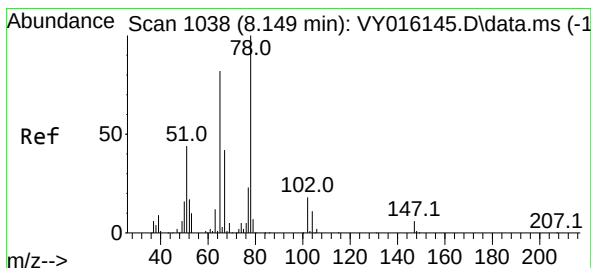
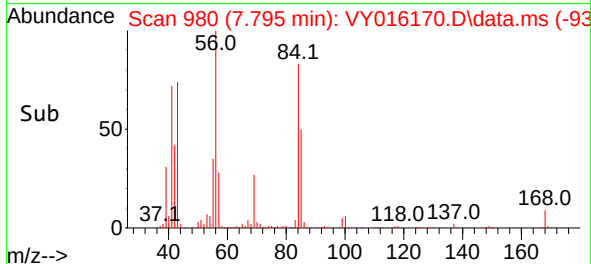
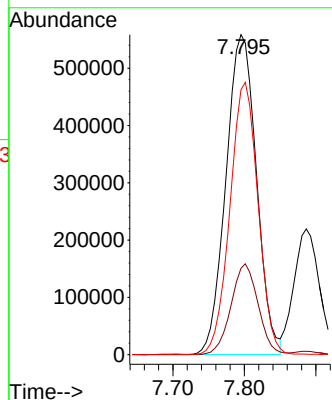
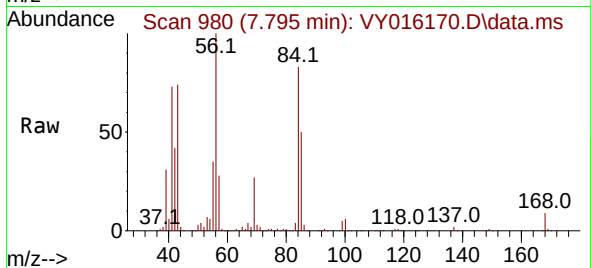




#31
Cyclohexane
Concen: 871.313 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

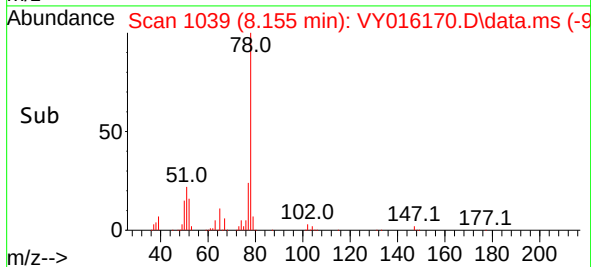
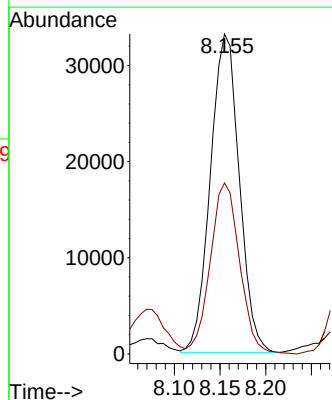
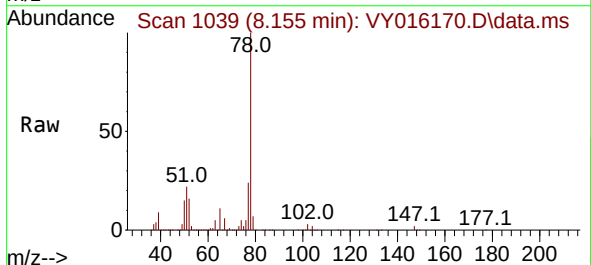
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

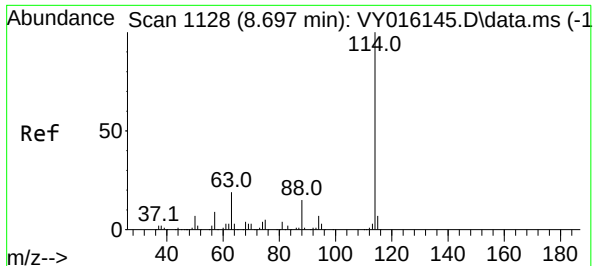
Tgt Ion: 56 Resp: 1655889
Ion Ratio Lower Upper
56 100
69 26.8 27.8 41.6#
84 82.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 58.855 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 65 Resp: 72761
Ion Ratio Lower Upper
65 100
67 54.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

67S-SB04-1419

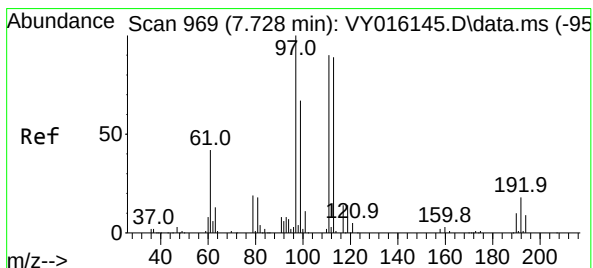
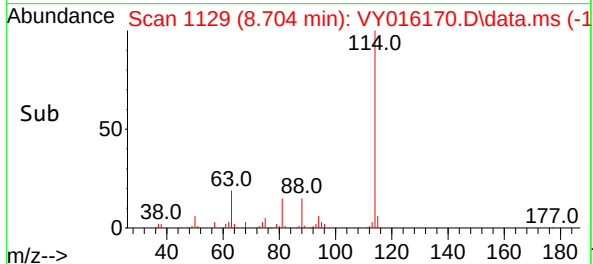
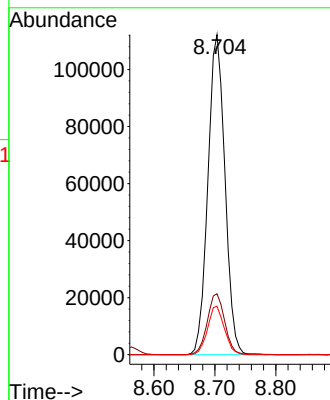
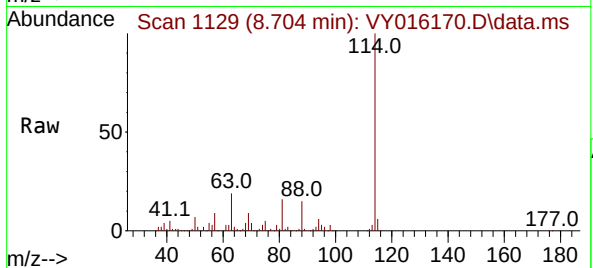
Tgt Ion:114 Resp: 217869

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.958 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

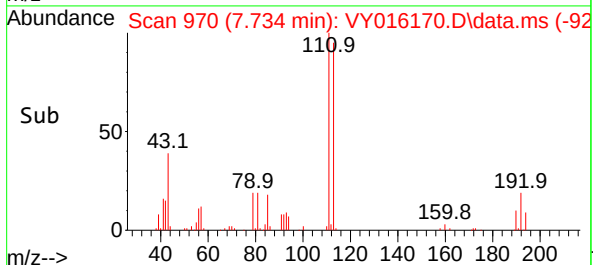
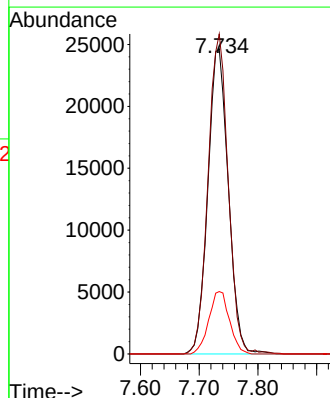
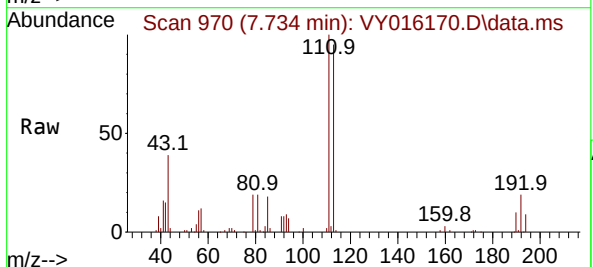
Tgt Ion:113 Resp: 59694

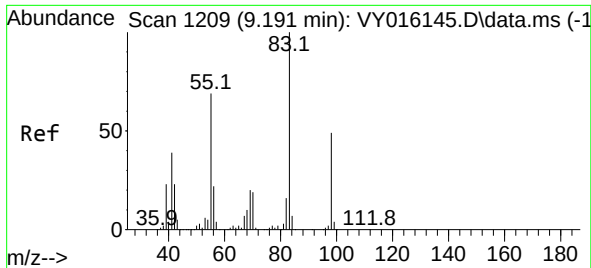
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 20.6 16.9 25.3

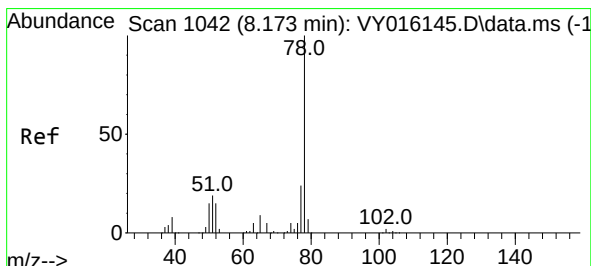
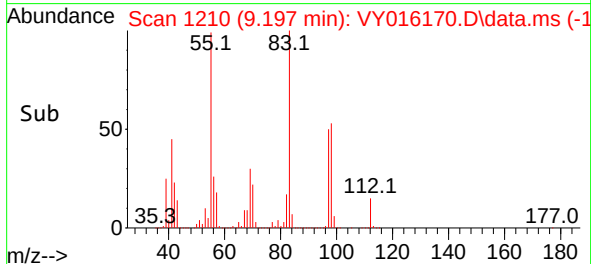
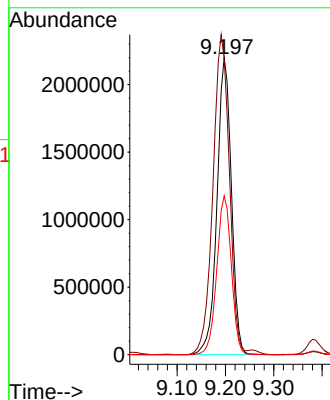
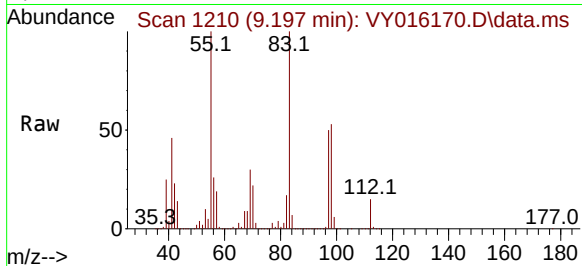




#39
Methylcyclohexane
Concen: 2033.149 ug/l
RT: 9.197 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

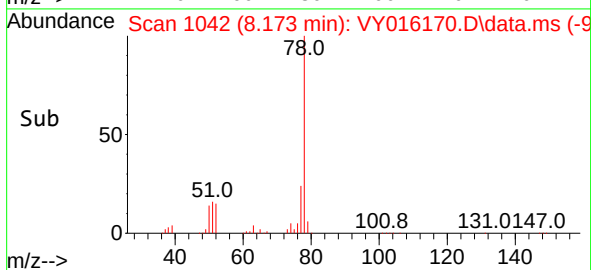
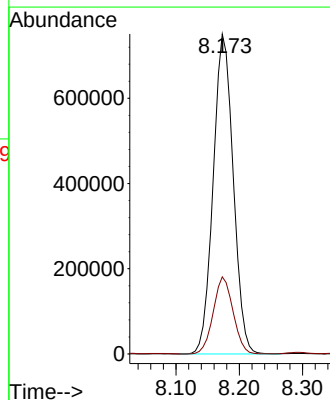
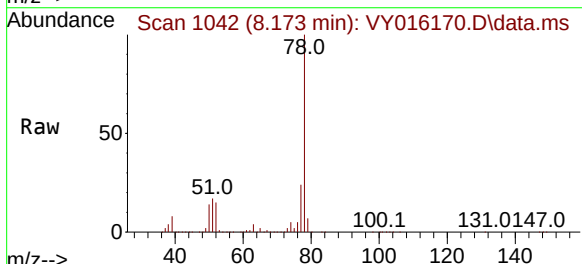
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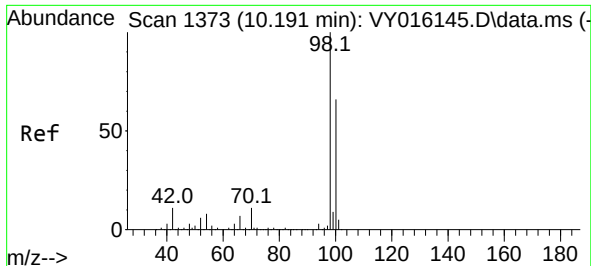
Tgt Ion: 83 Resp: 4551799
Ion Ratio Lower Upper
83 100
55 99.7 63.0 94.4#
98 53.5 37.4 56.2



#40
Benzene
Concen: 307.004 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 78 Resp: 1653072
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

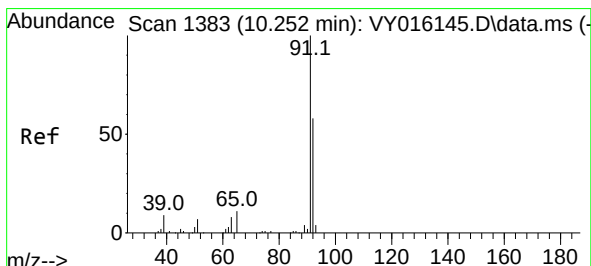
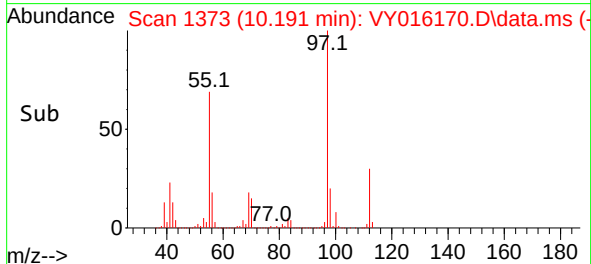
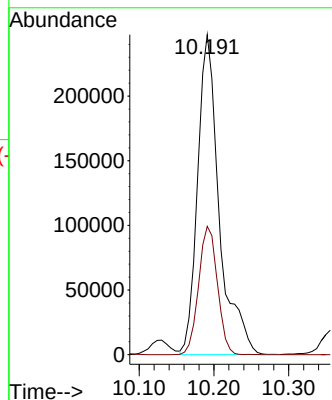
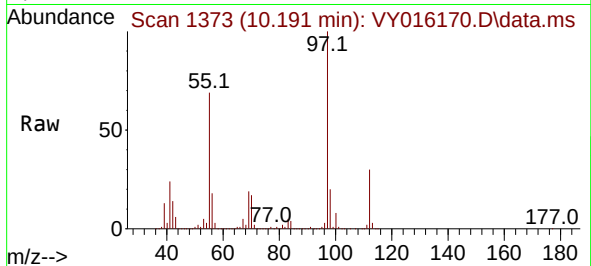




#50
Toluene-d8
Concen: 96.758 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

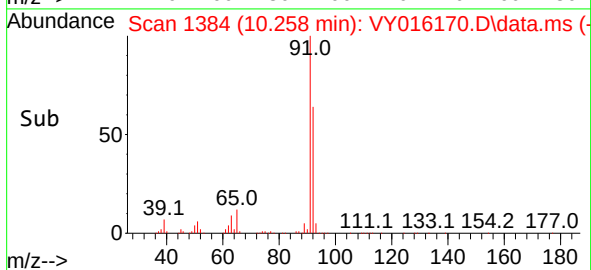
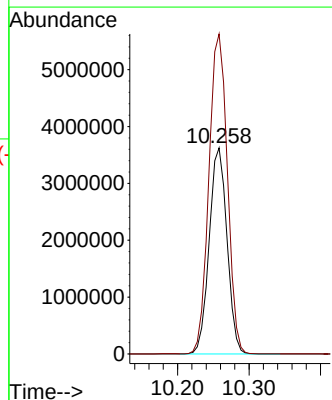
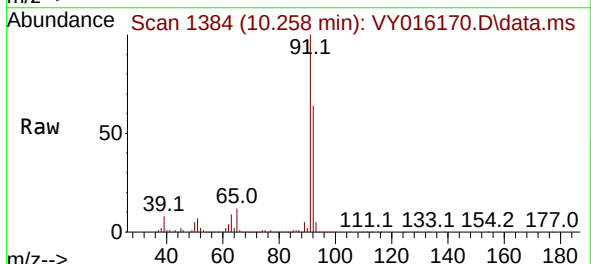
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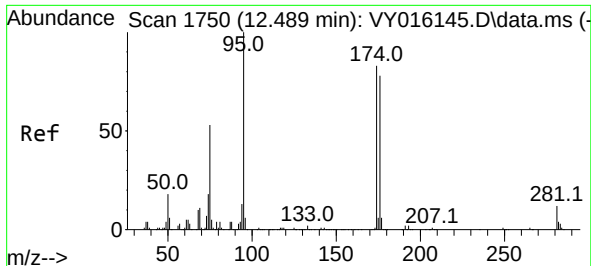
Tgt Ion: 98 Resp: 498283
Ion Ratio Lower Upper
98 100
100 34.7 50.1 75.1#



#52
Toluene
Concen: 1791.894 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 92 Resp: 6252193
Ion Ratio Lower Upper
92 100
91 161.1 143.8 215.6

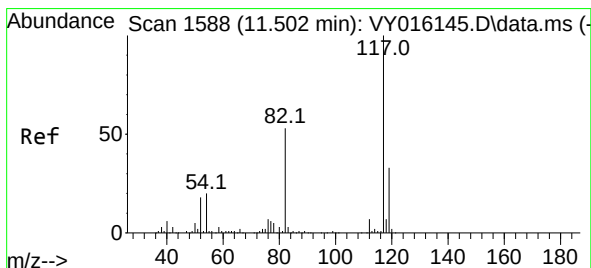
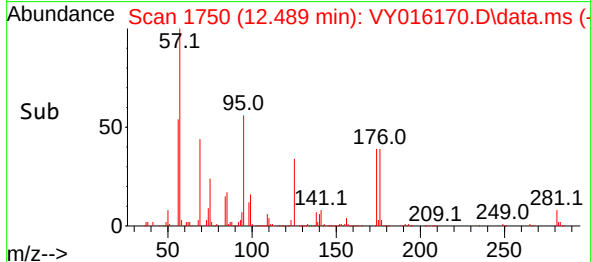
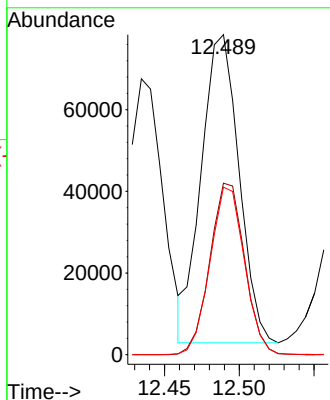
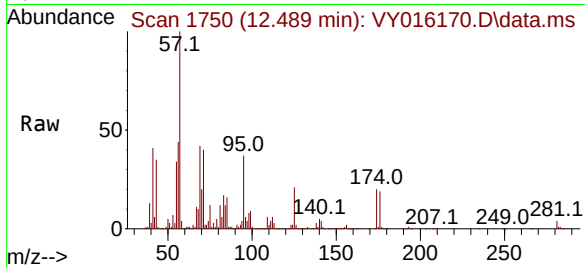




#62
4-Bromofluorobenzene
Concen: 74.896 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

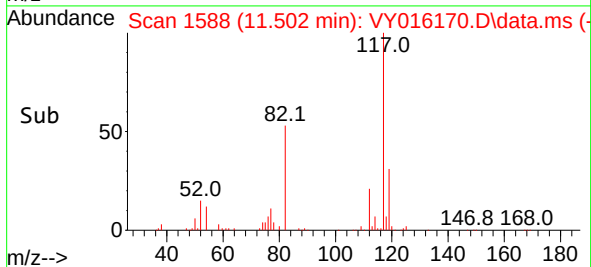
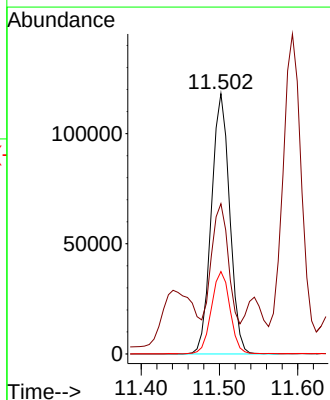
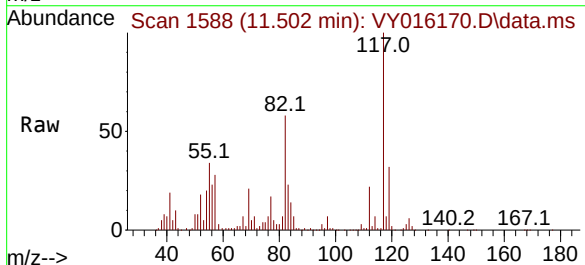
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

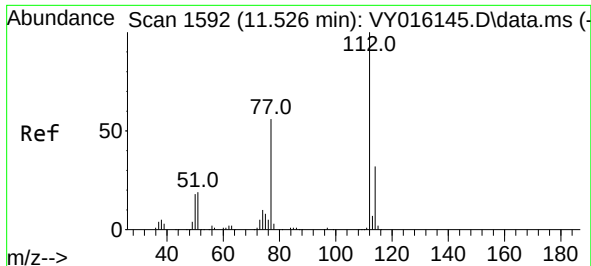
Tgt Ion: 95 Resp: 131888
Ion Ratio Lower Upper
95 100
174 51.5 0.0 178.2
176 50.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion:117 Resp: 191363
Ion Ratio Lower Upper
117 100
82 34.0 43.4 65.0#
119 31.5 26.3 39.5

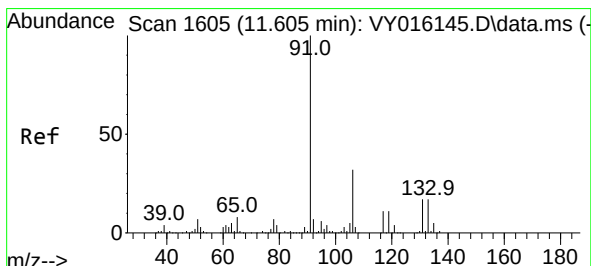
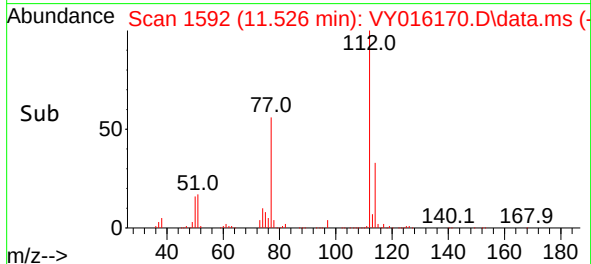
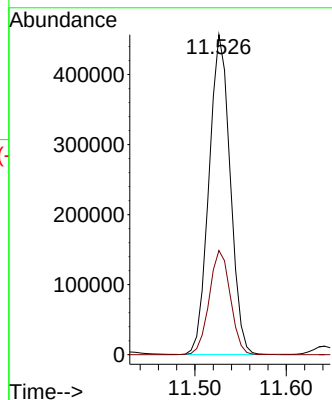
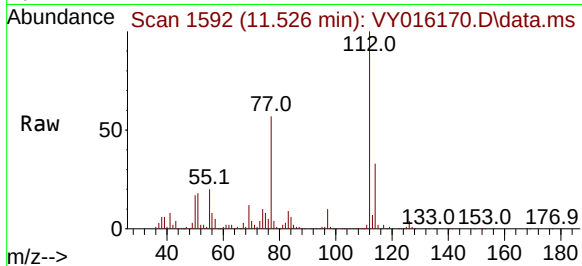




#65
Chlorobenzene
Concen: 193.422 ug/l
RT: 11.526 min Scan# 111
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

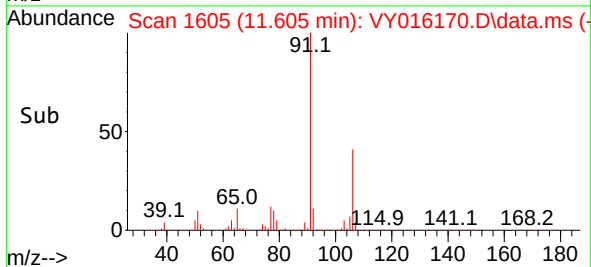
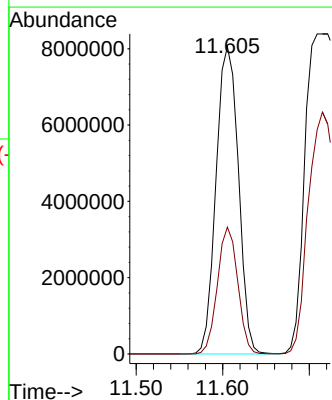
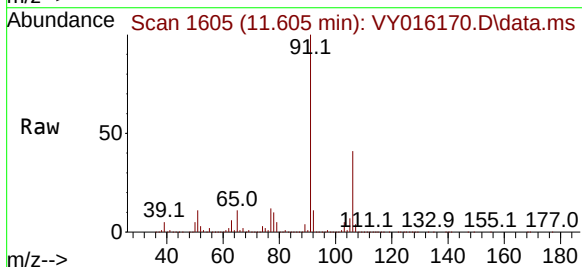
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

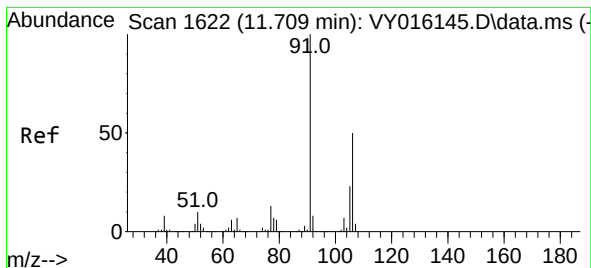
Tgt Ion:112 Resp: 735379
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 2126.098 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion: 91 Resp:14457890
Ion Ratio Lower Upper
91 100
106 41.3 24.6 36.8#

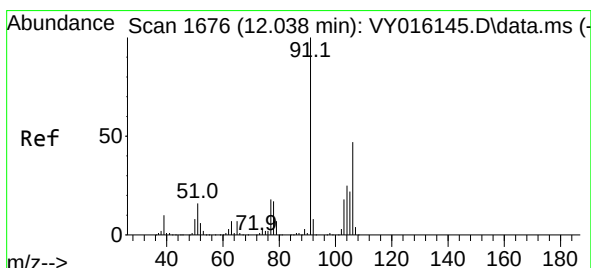
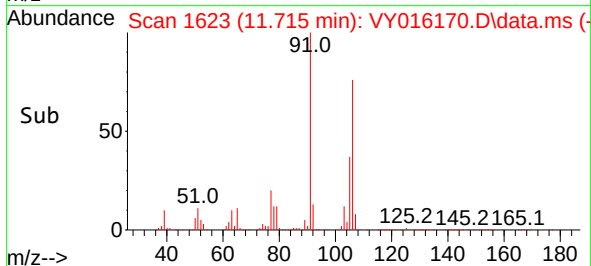
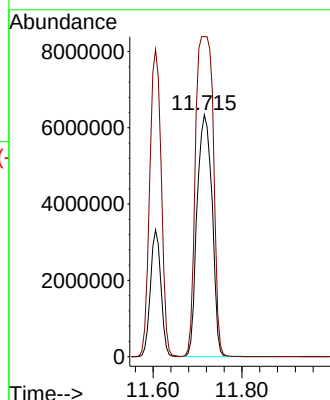
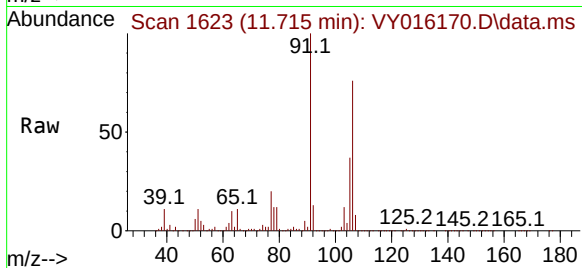




#68
m/p-Xylenes
Concen: 5642.053 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

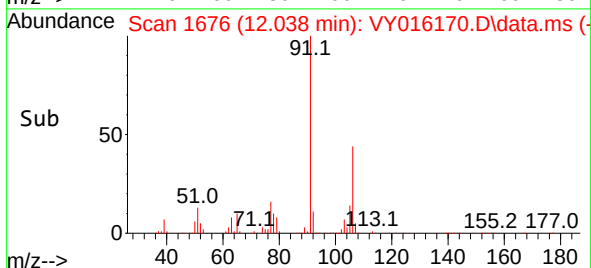
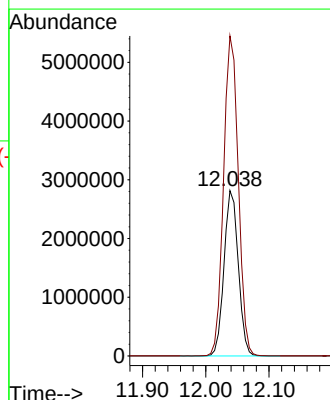
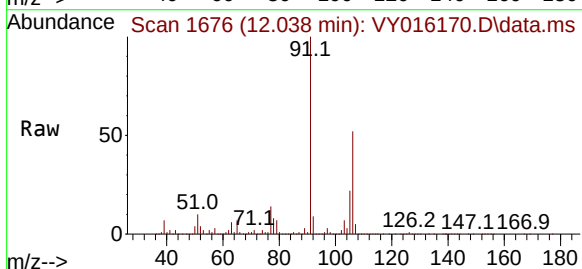
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

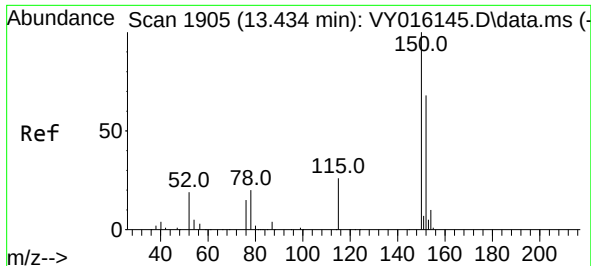
Tgt Ion:106 Resp:14825666
Ion Ratio Lower Upper
106 100
91 157.2 166.1 249.1#



#69
o-Xylene
Concen: 1747.291 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion:106 Resp: 4383768
Ion Ratio Lower Upper
106 100
91 199.9 108.1 324.3

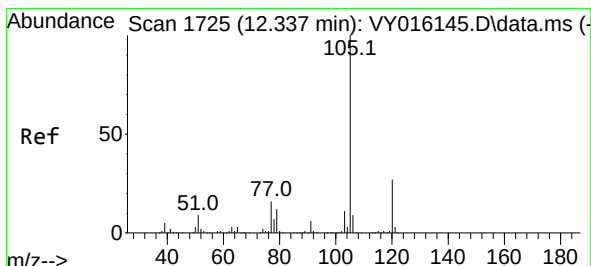
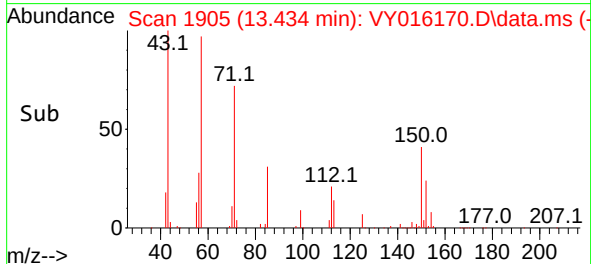
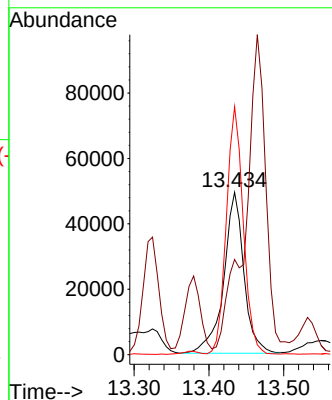
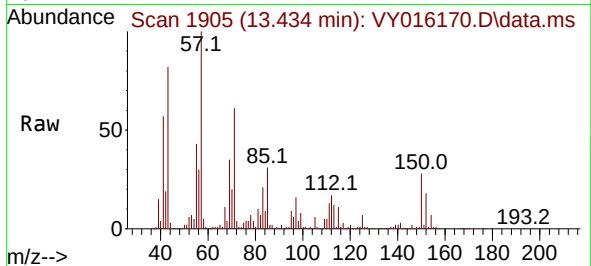




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

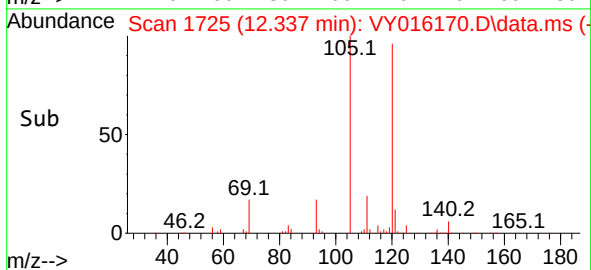
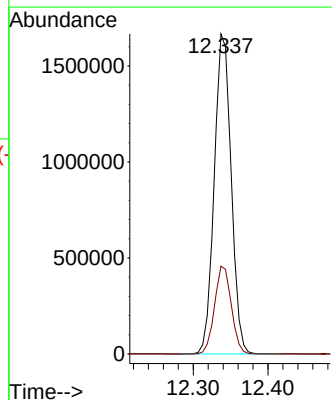
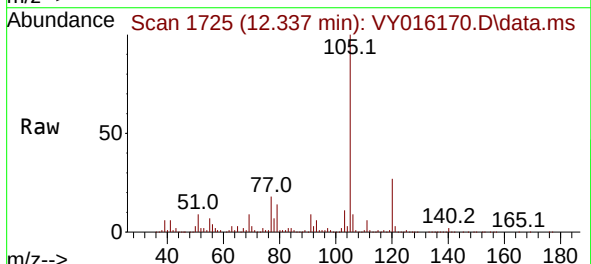
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

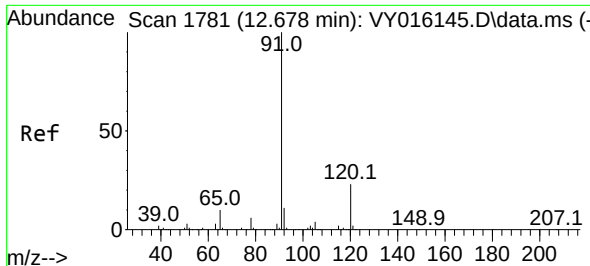
Tgt Ion:152 Resp: 92164
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5#
150 128.6 0.0 348.8



#73
Isopropylbenzene
Concen: 379.832 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion:105 Resp: 2625949
Ion Ratio Lower Upper
105 100
120 27.2 13.3 39.9

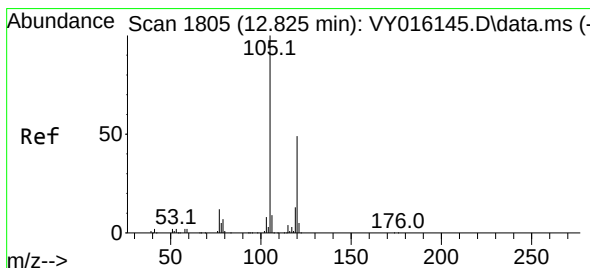
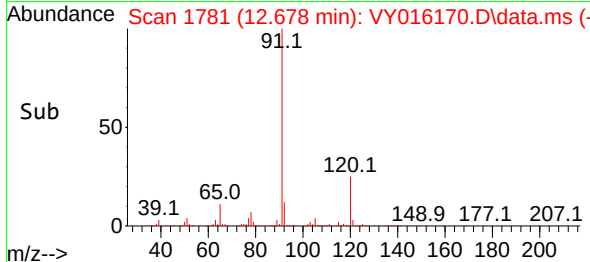
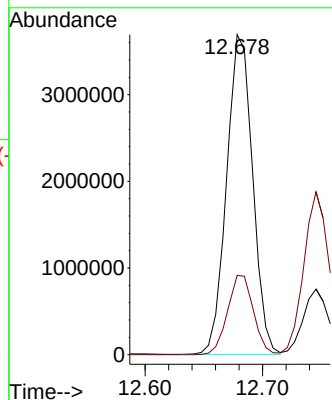
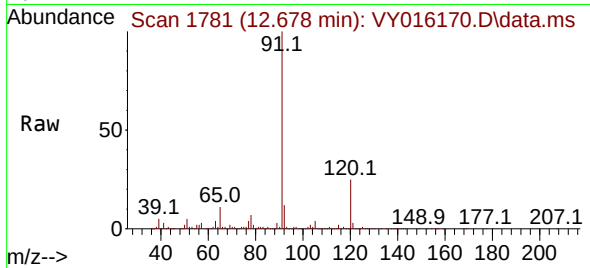




#78
n-propylbenzene
Concen: 695.083 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

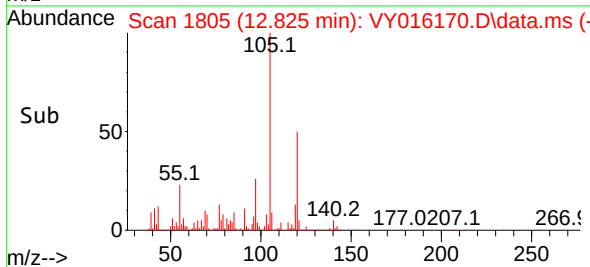
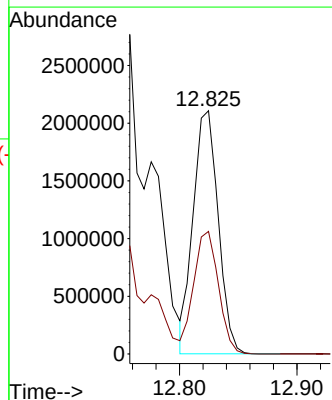
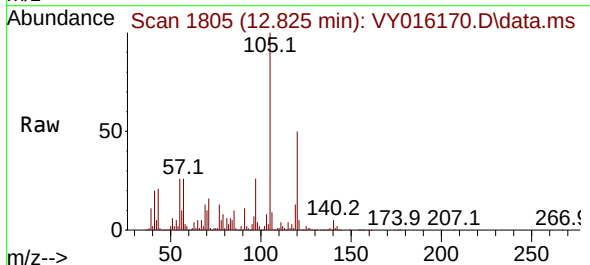
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

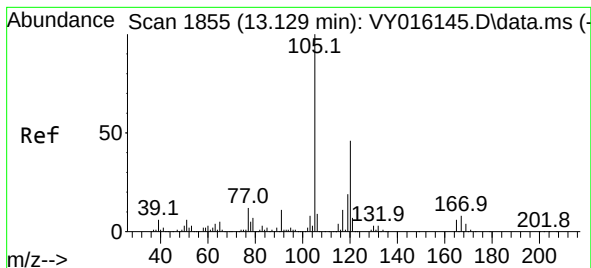
Tgt Ion: 91 Resp: 5681281
Ion Ratio Lower Upper
91 100
120 24.7 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 556.838 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Tgt Ion:105 Resp: 3118883
Ion Ratio Lower Upper
105 100
120 50.0 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 1913.628 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY016170.D

Acq: 01 Nov 2023 15:50

Instrument :

MSVOA_Y

ClientSampleId :

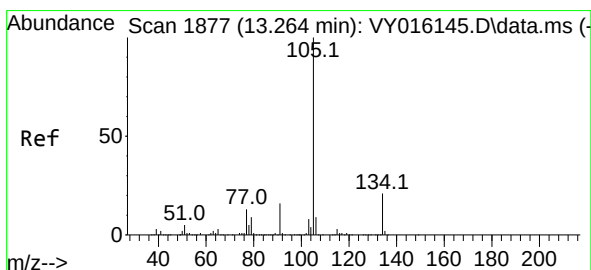
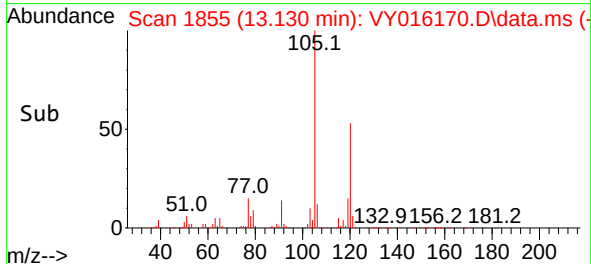
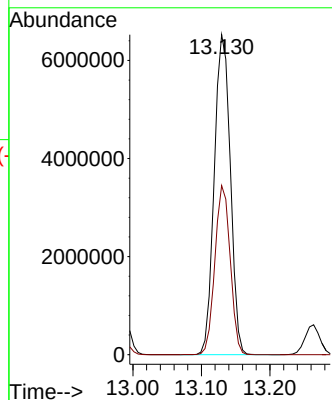
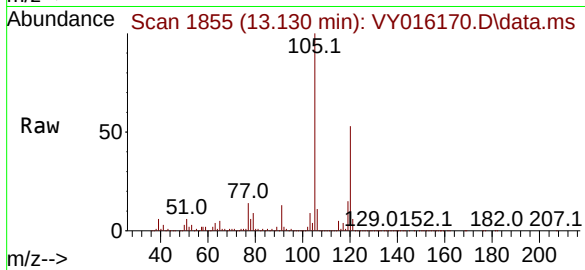
67S-SB04-1419

Tgt Ion:105 Resp:10605818

Ion Ratio Lower Upper

105 100

120 50.3 22.2 66.6



#85

sec-Butylbenzene

Concen: 125.383 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VY016170.D

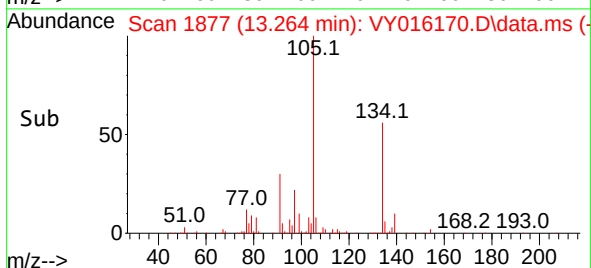
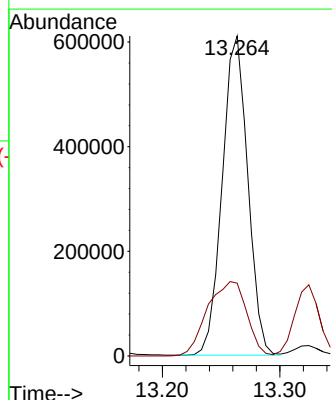
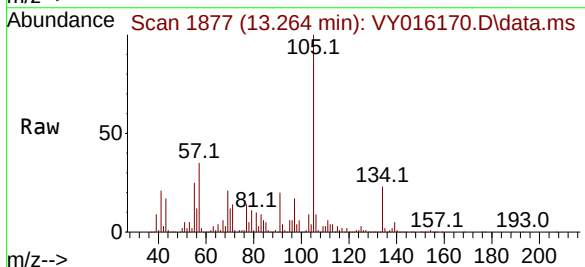
Acq: 01 Nov 2023 15:50

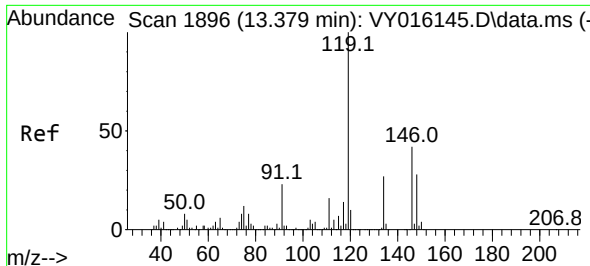
Tgt Ion:105 Resp: 922272

Ion Ratio Lower Upper

105 100

134 35.8 10.2 30.6#

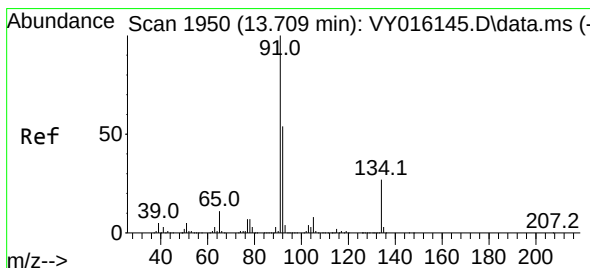
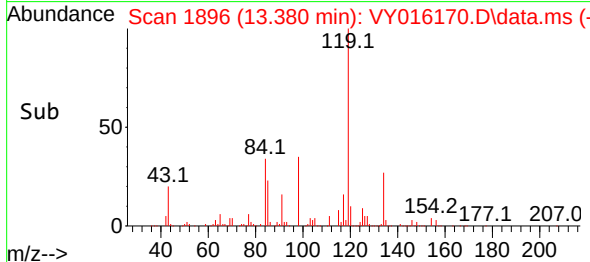
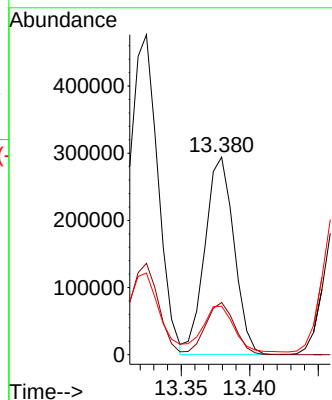
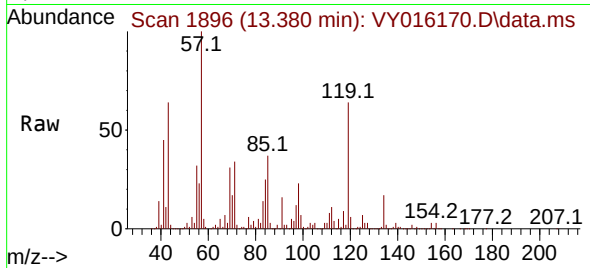




#86
p-Isopropyltoluene
Concen: 71.081 ug/l
RT: 13.380 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

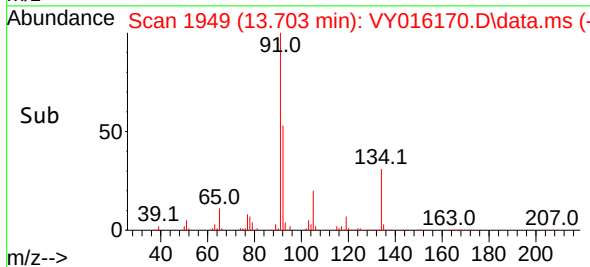
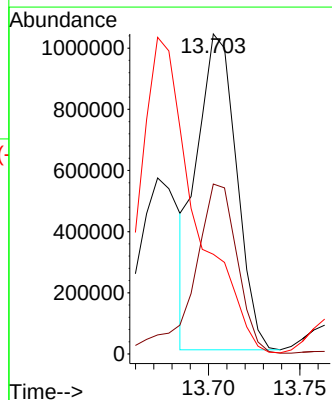
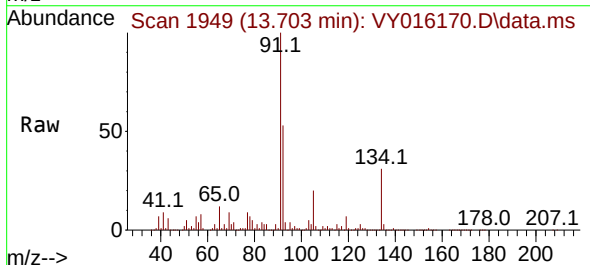
Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419

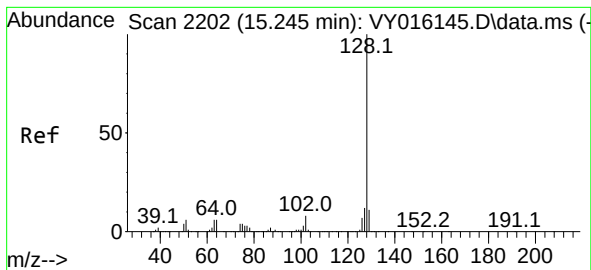
Tgt Ion:119 Resp: 433334
Ion Ratio Lower Upper
119 100
134 26.4 13.3 39.8
91 25.3 12.4 37.4



#89
n-Butylbenzene
Concen: 277.138 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

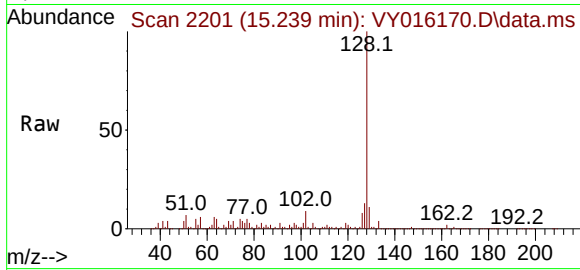
Tgt Ion: 91 Resp: 1552402
Ion Ratio Lower Upper
91 100
92 58.8 25.4 76.0
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 549.623 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY016170.D
Acq: 01 Nov 2023 15:50

Instrument :
MSVOA_Y
ClientSampleId :
67S-SB04-1419



Tgt Ion:128 Resp: 1762895
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.4 8.6 13.0

