

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072522\
 Data File : VY009678.D
 Acq On : 25 Jul 2022 11:53
 Operator : KP/MD
 Sample : N3773-17
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-3(8.5-9)

Quant Time: Jul 26 05:55:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	182205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	282799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	272354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130560	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	80446	46.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.360%
35) Dibromofluoromethane	7.710	113	80961	45.442	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.880%
50) Toluene-d8	10.173	98	408348	59.621	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	119.240%
62) 4-Bromofluorobenzene	12.477	95	133340	60.082	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	120.160%

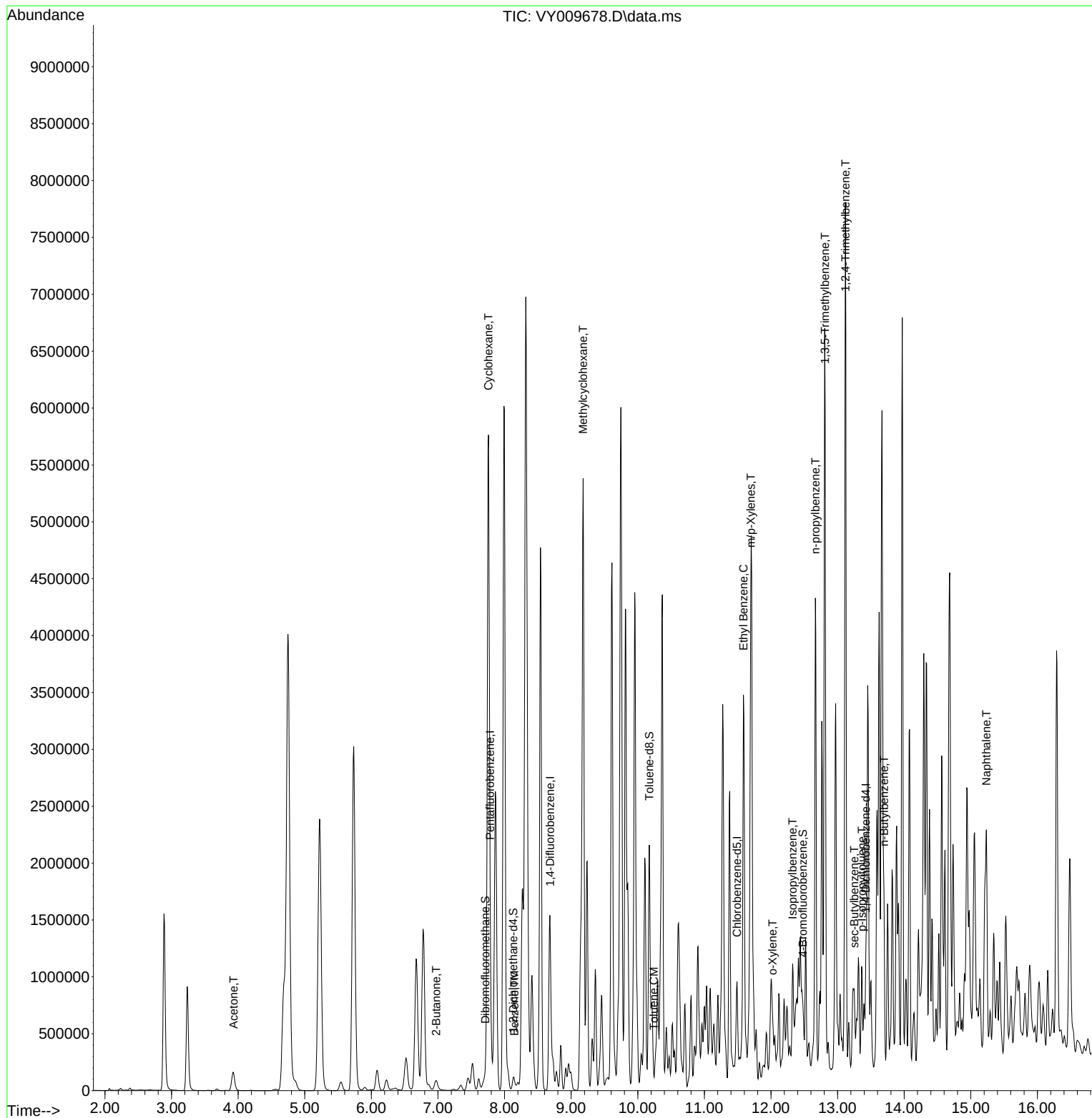
Target Compounds						Qvalue
16) Acetone	3.930	43	110891	254.384	ug/l #	72
25) 2-Butanone	6.972	43	48160	75.739	ug/l #	73
31) Cyclohexane	7.759	56	1234896	406.416	ug/l #	55
39) Methylcyclohexane	9.179	83	1709028	526.459	ug/l	94
40) Benzene	8.149	78	16429	2.133	ug/l	98
52) Toluene	10.240	92	6412	1.314	ug/l	86
67) Ethyl Benzene	11.587	91	2080593	212.555	ug/l	96
68) m/p-Xylenes	11.697	106	1021056	262.103	ug/l	91
69) o-Xylene	12.026	106	51784	14.205	ug/l	95
73) Isopropylbenzene	12.325	105	562339	62.209	ug/l	100
78) n-propylbenzene	12.666	91	3073346	281.367	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	2481318	332.194	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	3896470	521.608	ug/l	96
85) sec-Butylbenzene	13.252	105	370142	37.620	ug/l #	51
86) p-Isopropyltoluene	13.367	119	172439	20.855	ug/l	96
89) n-Butylbenzene	13.697	91	733331	97.110	ug/l #	71
95) Naphthalene	15.233	128	1335208	283.648	ug/l	99

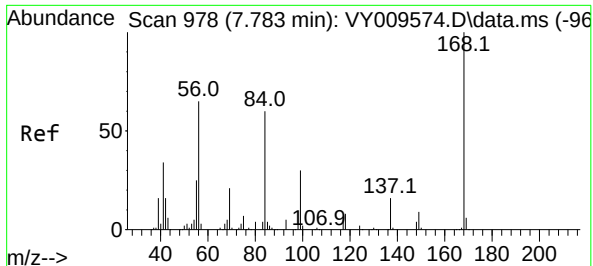
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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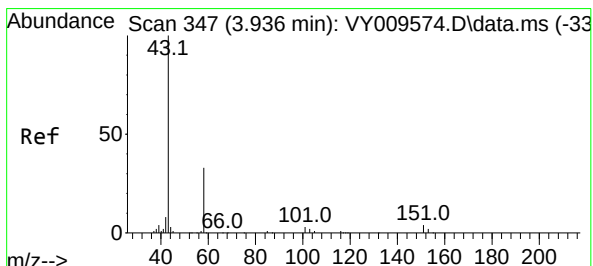
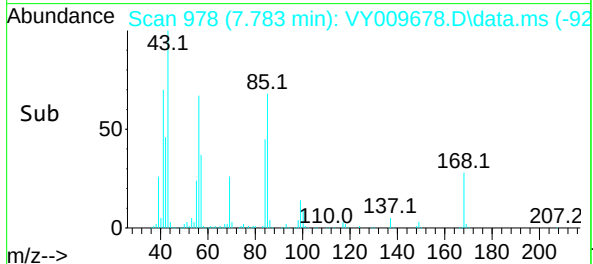
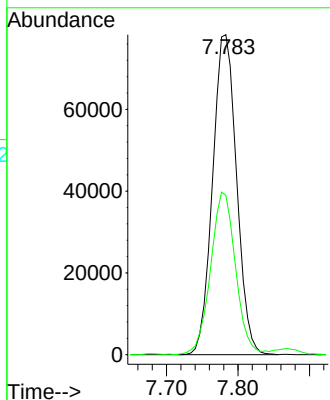
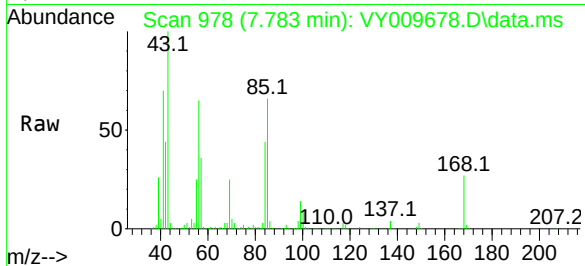




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

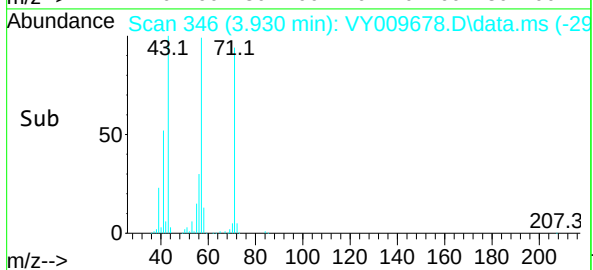
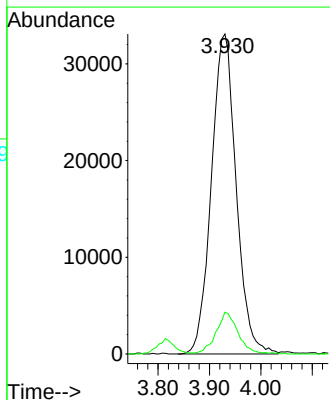
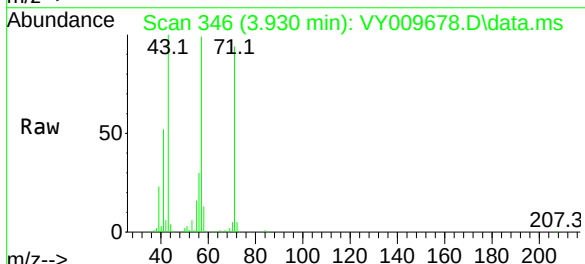
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(8.5-9)

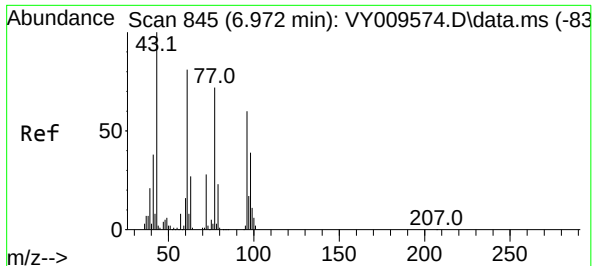
Tgt Ion:168 Resp: 182205
Ion Ratio Lower Upper
168 100
99 49.7 46.9 70.3



#16
Acetone
Concen: 254.384 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Tgt Ion: 43 Resp: 110891
Ion Ratio Lower Upper
43 100
58 12.8 22.0 33.0#





#25

2-Butanone

Concen: 75.739 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY009678.D

Acq: 25 Jul 2022 11:53

Instrument :

MSVOA_Y

ClientSampleId :

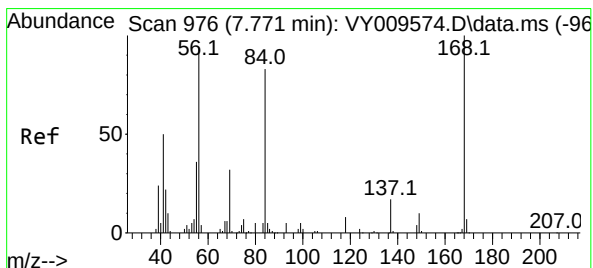
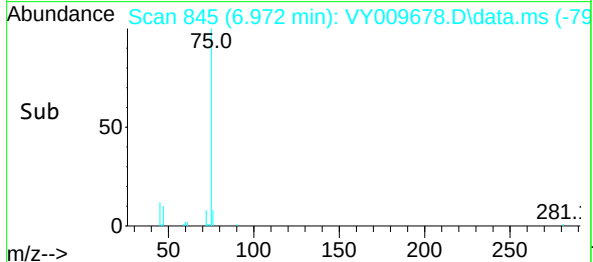
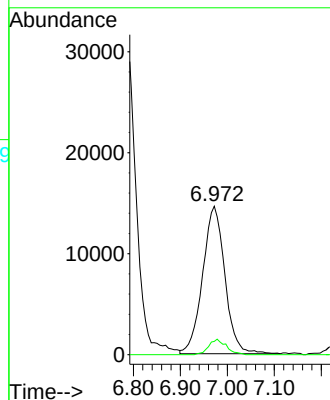
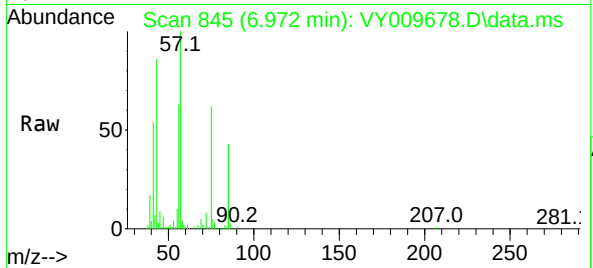
DL-3(8.5-9)

Tgt Ion: 43 Resp: 48160

Ion Ratio Lower Upper

43 100

72 9.0 17.7 26.5#



#31

Cyclohexane

Concen: 406.416 ug/l

RT: 7.759 min Scan# 974

Delta R.T. -0.012 min

Lab File: VY009678.D

Acq: 25 Jul 2022 11:53

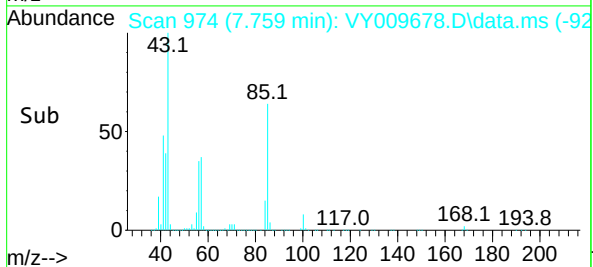
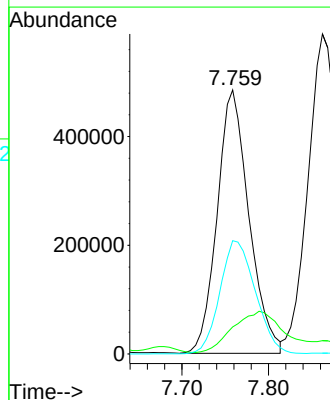
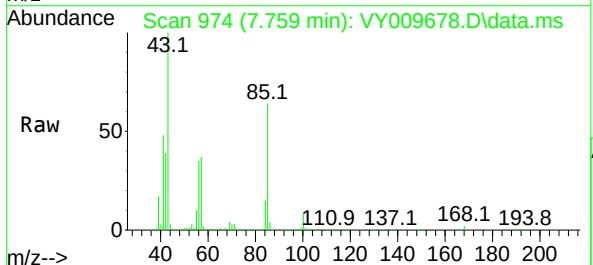
Tgt Ion: 56 Resp: 1234896

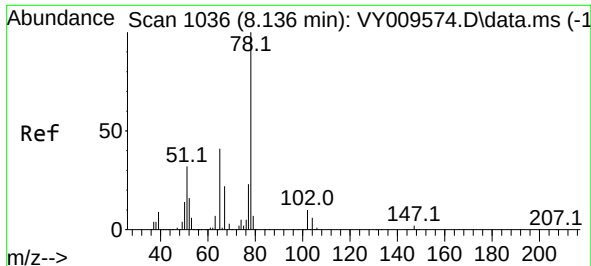
Ion Ratio Lower Upper

56 100

69 8.9 26.7 40.1#

84 43.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 46.684 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY009678.D

Acq: 25 Jul 2022 11:53

Instrument :

MSVOA_Y

ClientSampleId :

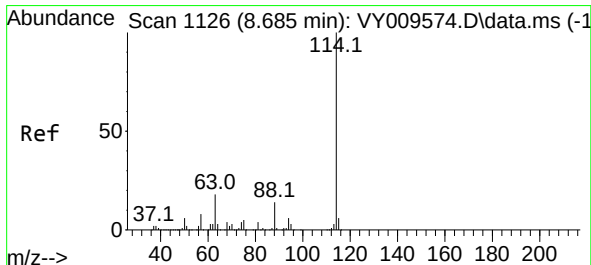
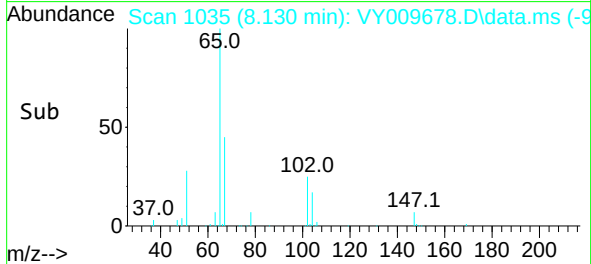
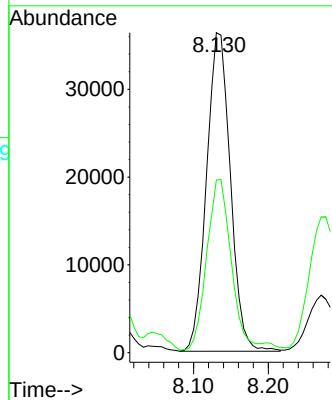
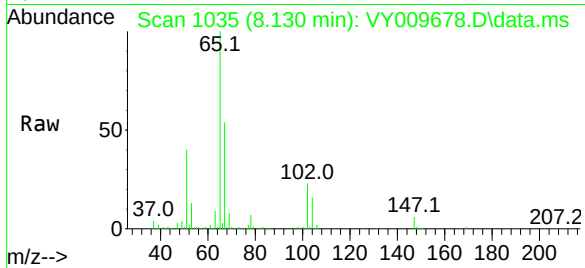
DL-3(8.5-9)

Tgt Ion: 65 Resp: 80446

Ion Ratio Lower Upper

65 100

67 54.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009678.D

Acq: 25 Jul 2022 11:53

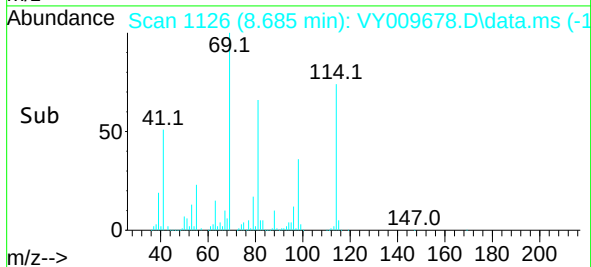
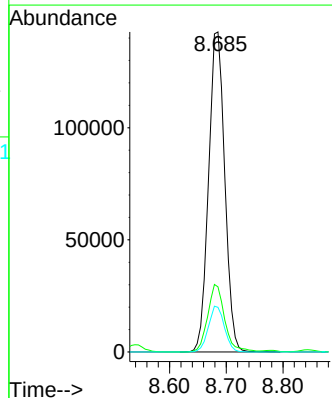
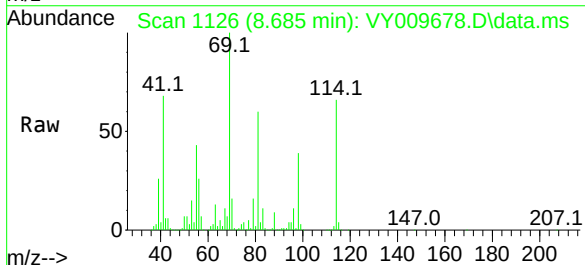
Tgt Ion: 114 Resp: 282799

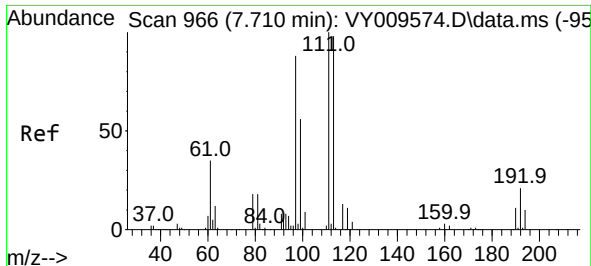
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 13.9 0.0 31.8

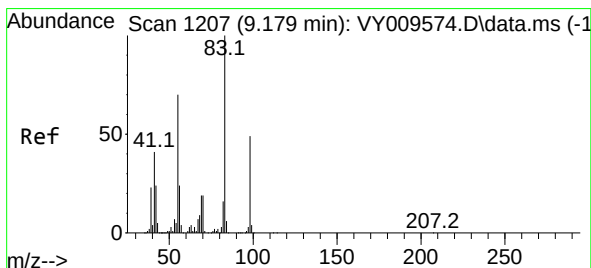
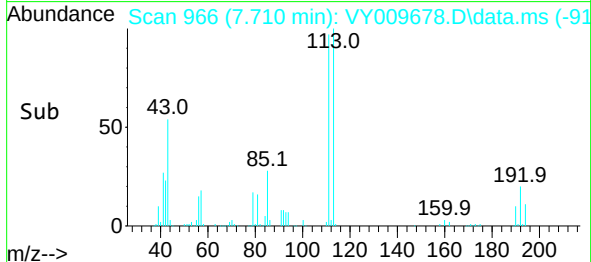
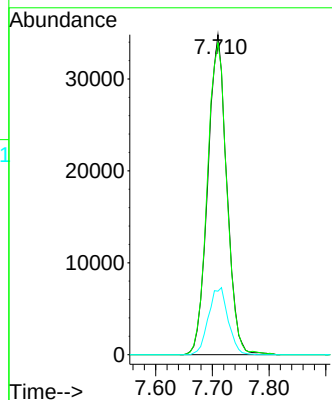
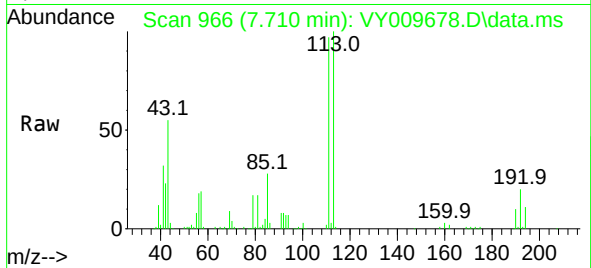




#35
Dibromofluoromethane
Concen: 45.442 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

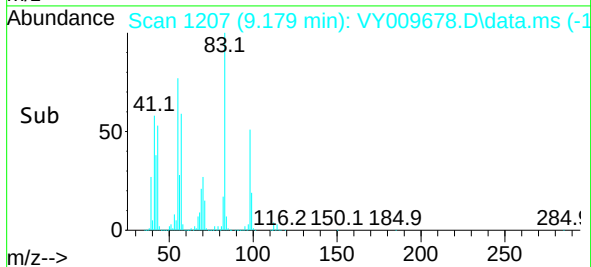
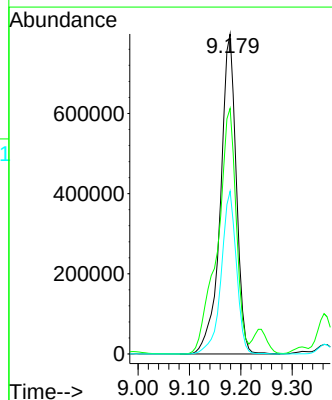
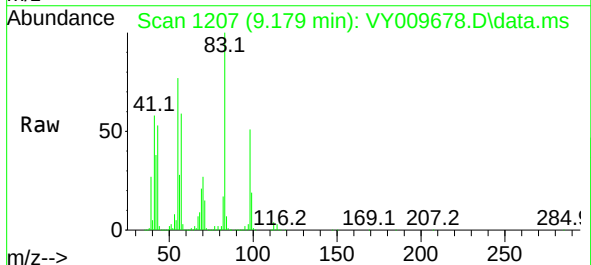
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(8.5-9)

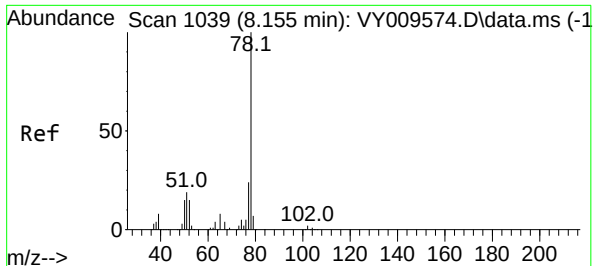
Tgt Ion:113 Resp: 80961
Ion Ratio Lower Upper
113 100
111 100.4 82.6 124.0
192 21.6 17.6 26.4



#39
Methylcyclohexane
Concen: 526.459 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Tgt Ion: 83 Resp: 1709028
Ion Ratio Lower Upper
83 100
55 76.7 66.5 99.7
98 50.8 37.9 56.9

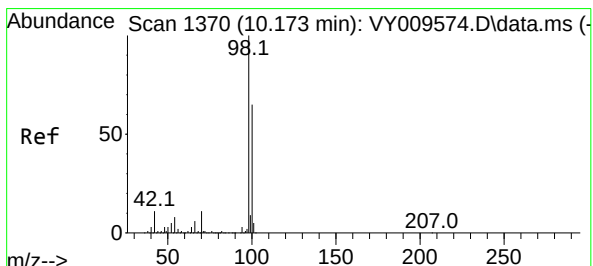
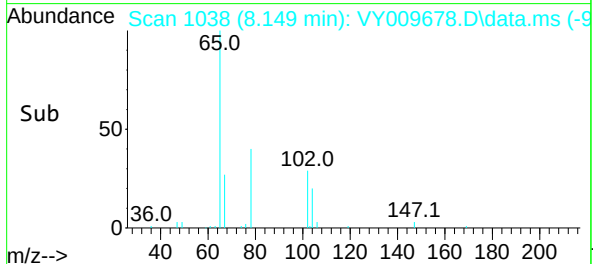
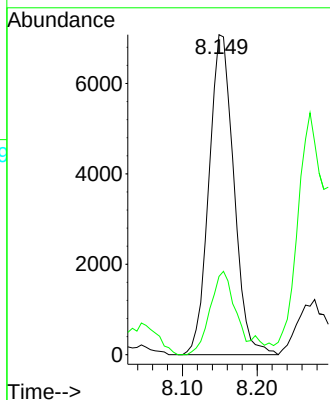
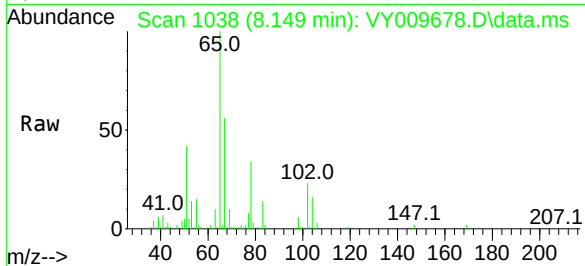




#40
Benzene
Concen: 2.133 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

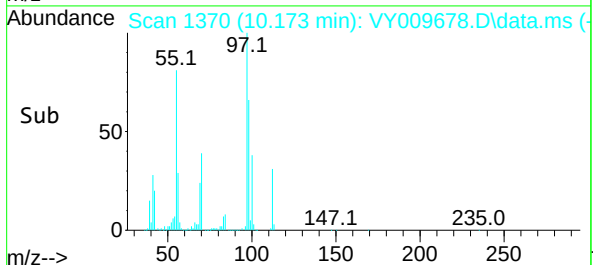
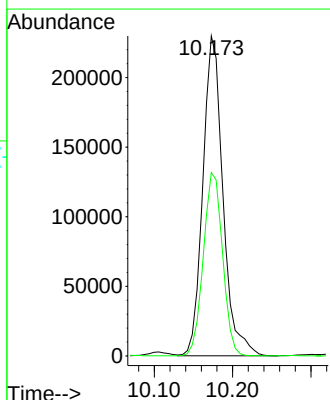
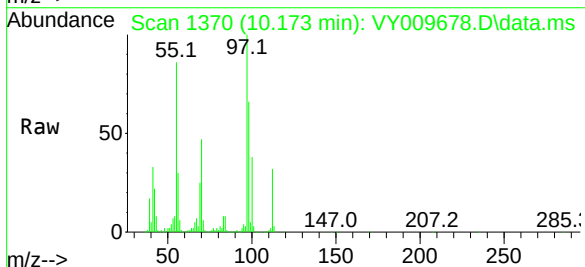
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DL-3(8.5-9)

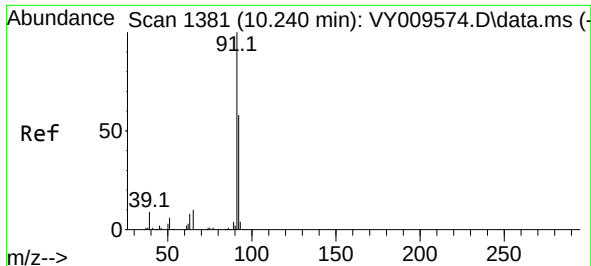
Tgt Ion: 78 Resp: 16429
Ion Ratio Lower Upper
78 100
77 24.4 20.4 30.6



#50
Toluene-d8
Concen: 59.621 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Tgt Ion: 98 Resp: 408348
Ion Ratio Lower Upper
98 100
100 54.9 50.2 75.2

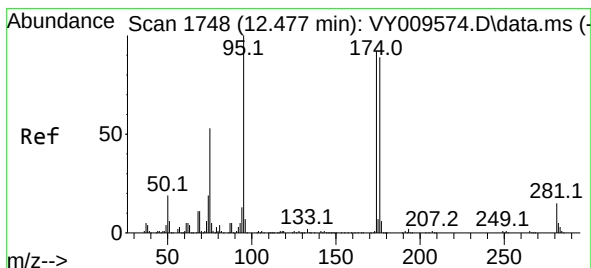
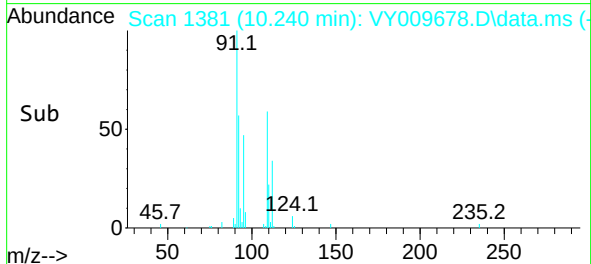
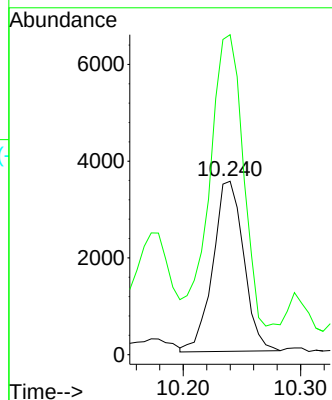
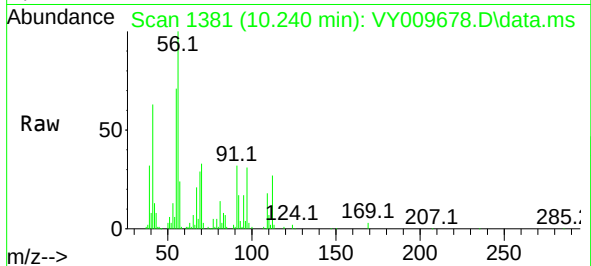




#52
Toluene
Concen: 1.314 ug/l
RT: 10.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

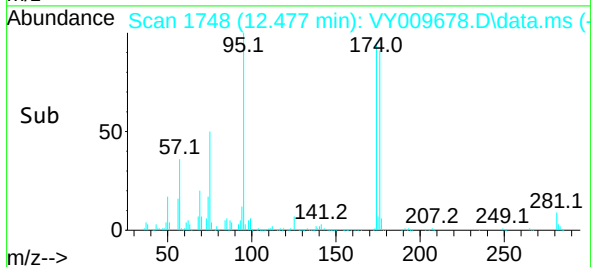
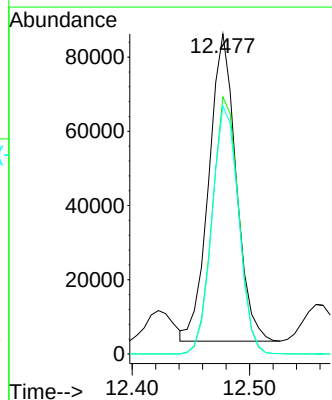
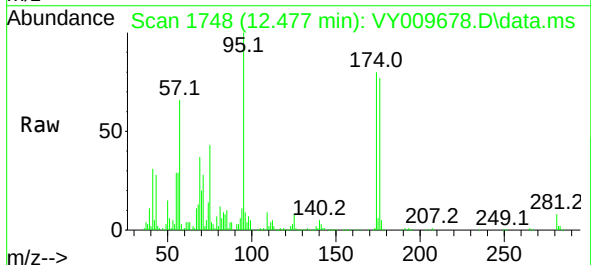
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DL-3(8.5-9)

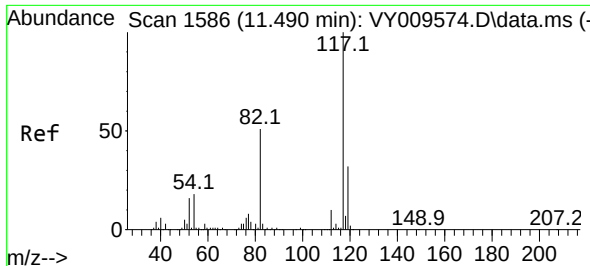
Tgt Ion: 92 Resp: 6412
Ion Ratio Lower Upper
92 100
91 198.6 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 60.082 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Tgt Ion: 95 Resp: 133340
Ion Ratio Lower Upper
95 100
174 81.2 0.0 177.0
176 78.7 0.0 175.8

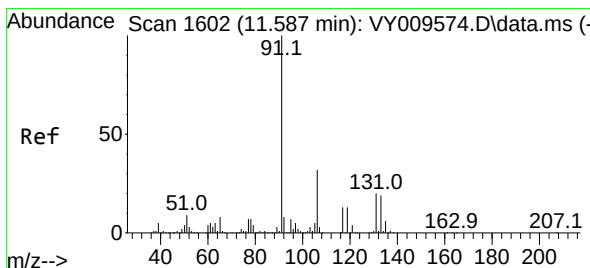
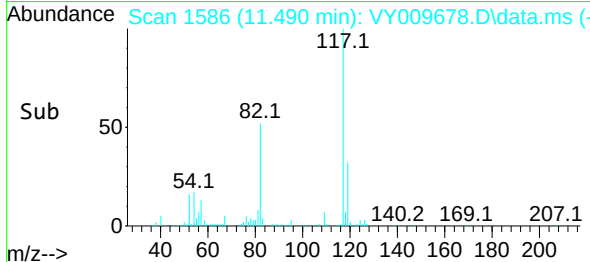
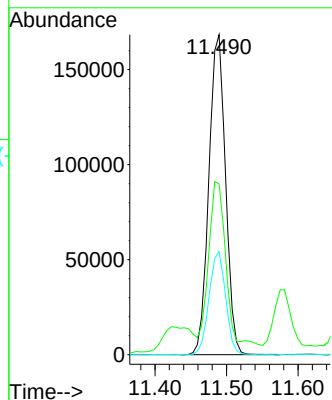
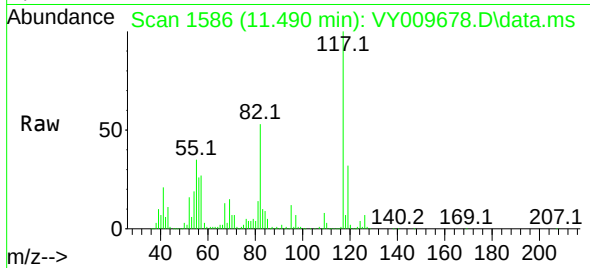




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

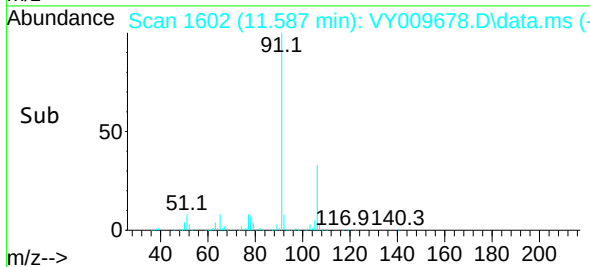
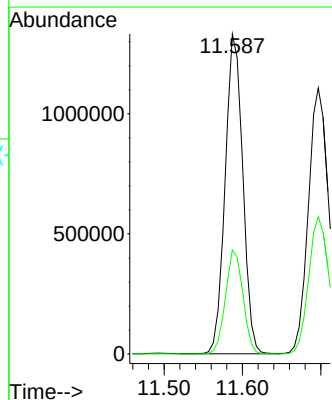
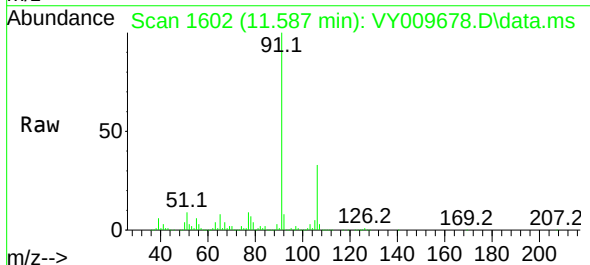
Instrument :
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DL-3(8.5-9)

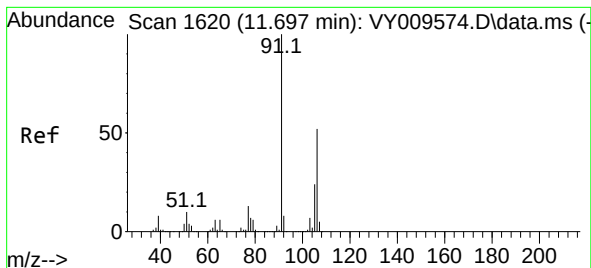
Tgt Ion:117 Resp: 272354
Ion Ratio Lower Upper
117 100
82 45.2 43.0 64.4
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 212.555 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Tgt Ion: 91 Resp: 2080593
Ion Ratio Lower Upper
91 100
106 32.5 24.5 36.7

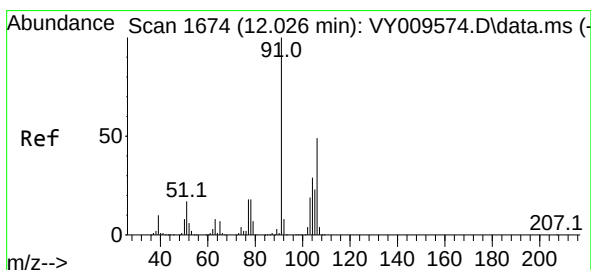
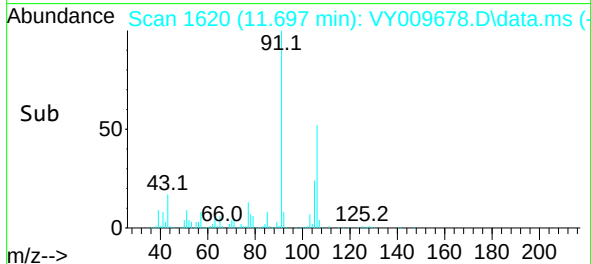
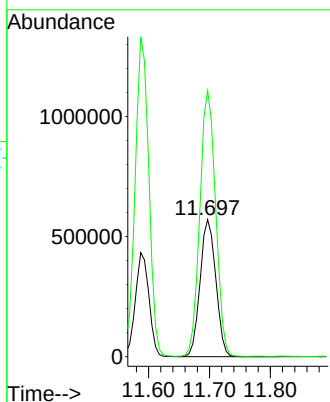
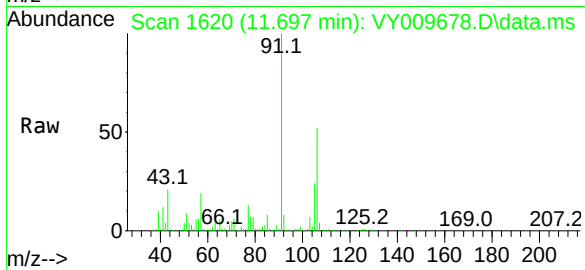




#68
m/p-Xylenes
Concen: 262.103 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

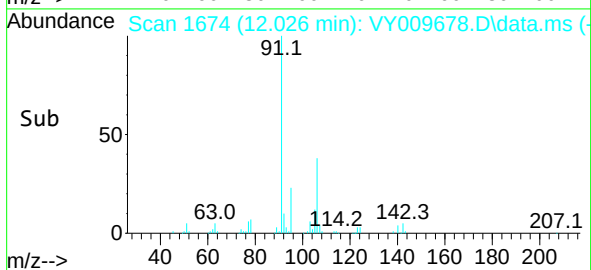
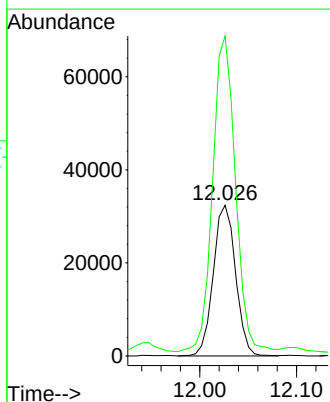
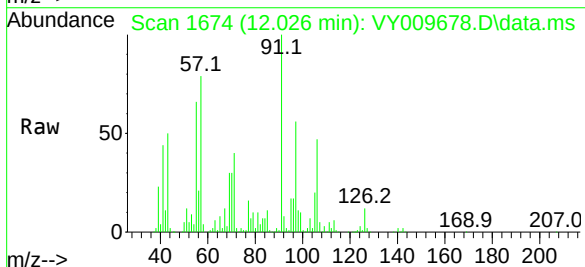
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(8.5-9)

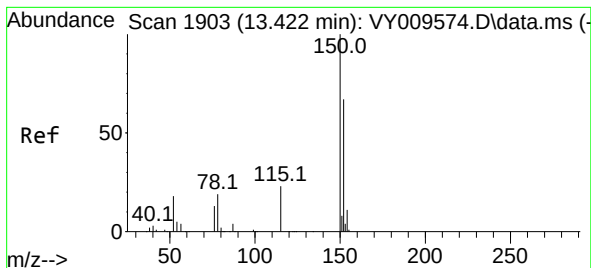
Tgt Ion:106 Resp: 1021056
Ion Ratio Lower Upper
106 100
91 194.6 166.6 249.8



#69
o-Xylene
Concen: 14.205 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Tgt Ion:106 Resp: 51784
Ion Ratio Lower Upper
106 100
91 213.2 110.3 331.0

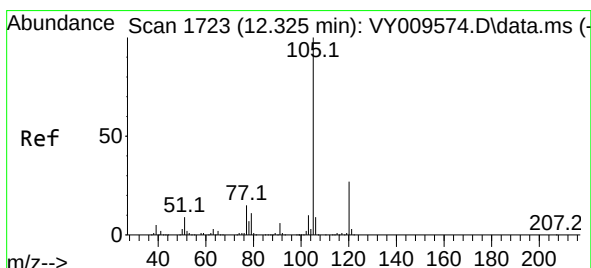
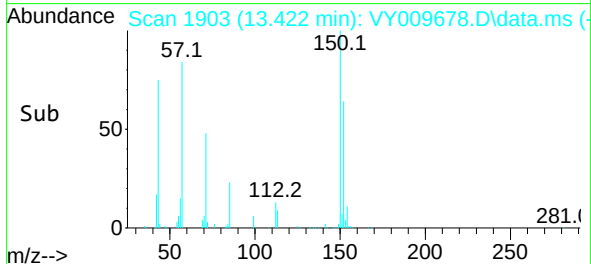
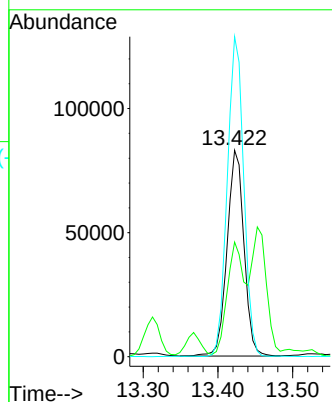
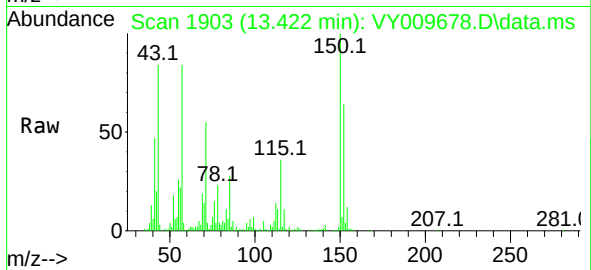




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009678.D
 Acq: 25 Jul 2022 11:53

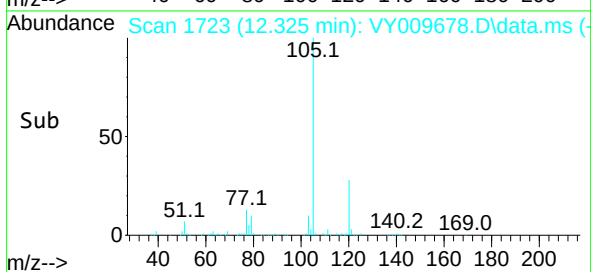
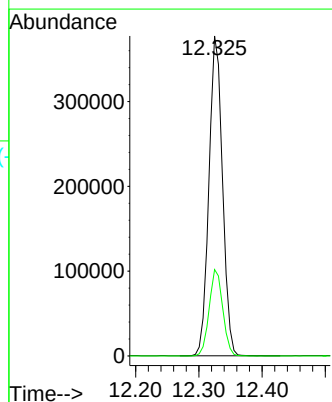
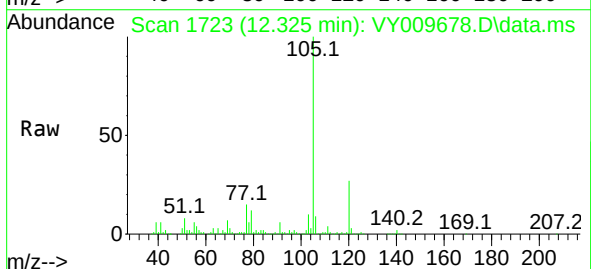
Instrument :
 MSVOA_Y
 ClientSampleId :
 DL-3(8.5-9)

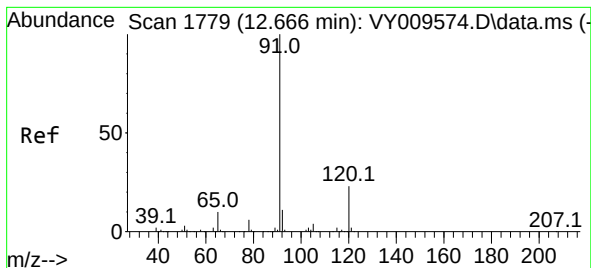
Tgt Ion:152 Resp: 130560
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.2 84.7
 150 151.3 0.0 347.6



#73
 Isopropylbenzene
 Concen: 62.209 ug/l
 RT: 12.325 min Scan# 1723
 Delta R.T. 0.000 min
 Lab File: VY009678.D
 Acq: 25 Jul 2022 11:53

Tgt Ion:105 Resp: 562339
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.4 40.2





#78

n-propylbenzene

Concen: 281.367 ug/l

RT: 12.666 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009678.D

Acq: 25 Jul 2022 11:53

Instrument :

MSVOA_Y

ClientSampleId :

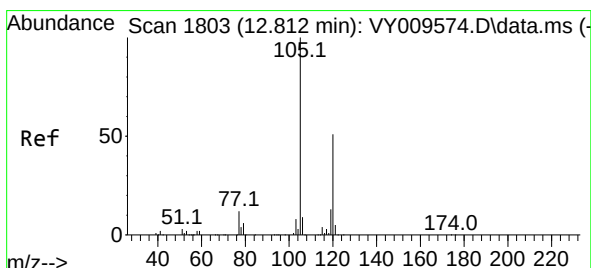
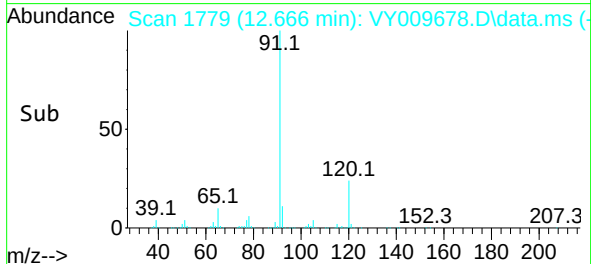
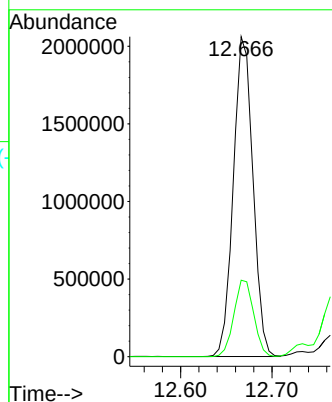
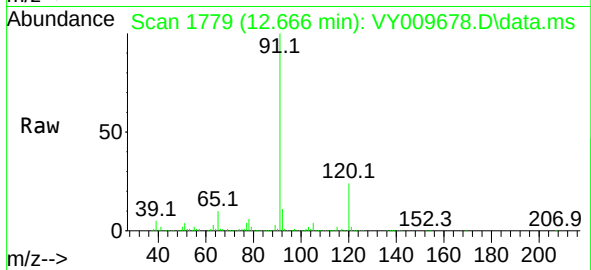
DL-3(8.5-9)

Tgt Ion: 91 Resp: 3073346

Ion Ratio Lower Upper

91 100

120 24.2 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 332.194 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY009678.D

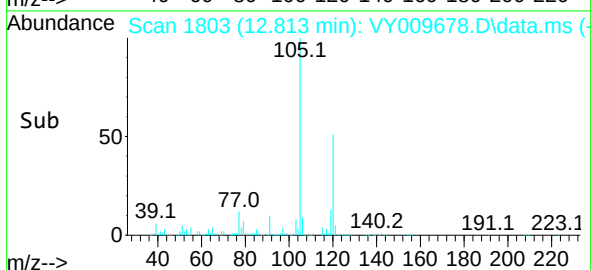
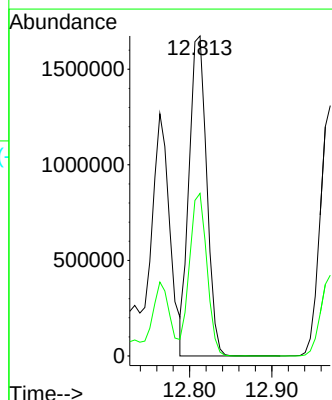
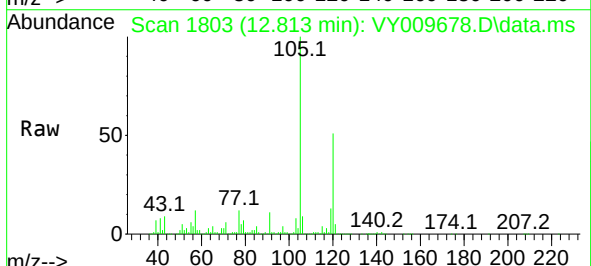
Acq: 25 Jul 2022 11:53

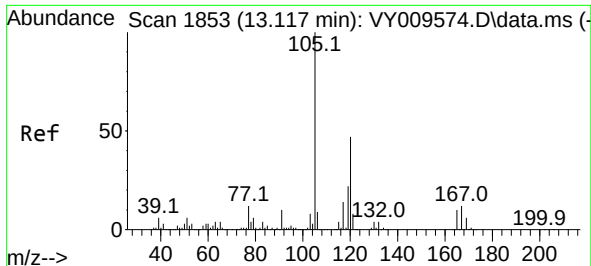
Tgt Ion:105 Resp: 2481318

Ion Ratio Lower Upper

105 100

120 50.4 24.4 73.4

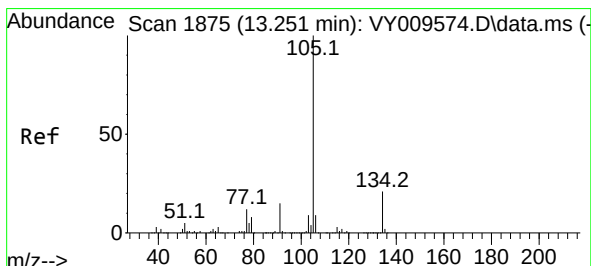
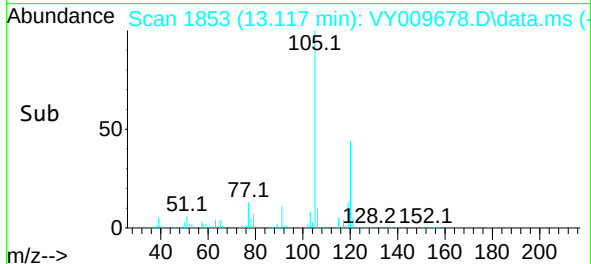
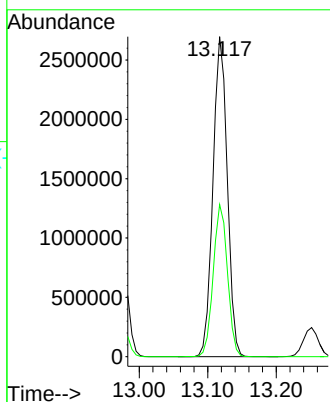
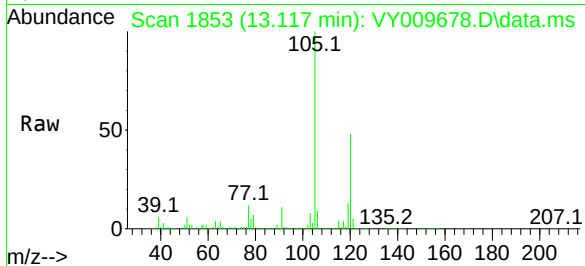




#84
1,2,4-Trimethylbenzene
Concen: 521.608 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

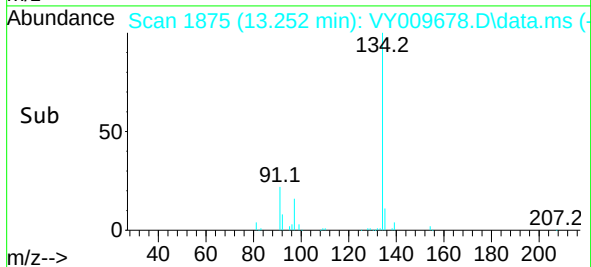
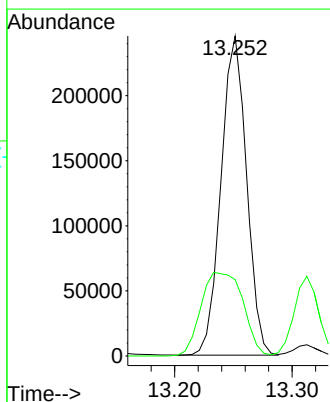
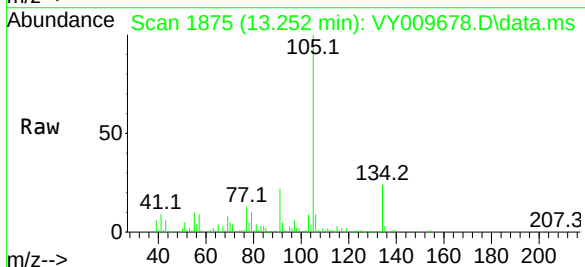
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(8.5-9)

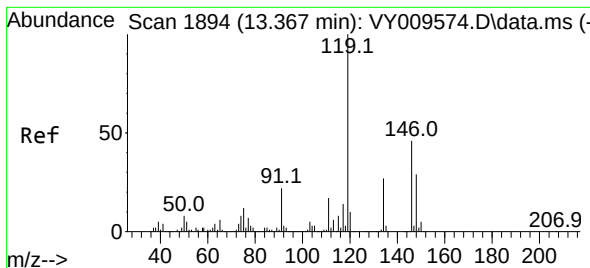
Tgt Ion:105 Resp: 3896470
Ion Ratio Lower Upper
105 100
120 47.3 22.3 66.9



#85
sec-Butylbenzene
Concen: 37.620 ug/l
RT: 13.252 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Tgt Ion:105 Resp: 370142
Ion Ratio Lower Upper
105 100
134 42.9 10.2 30.4#

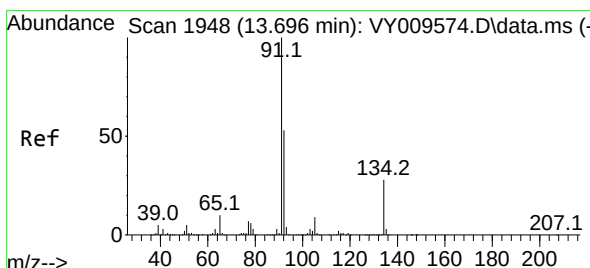
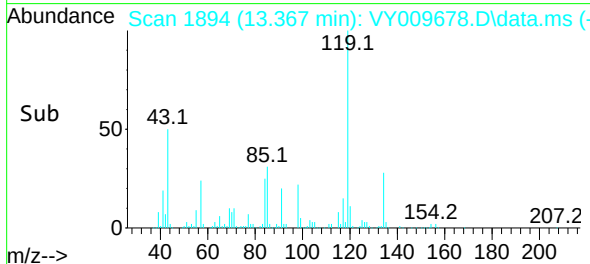
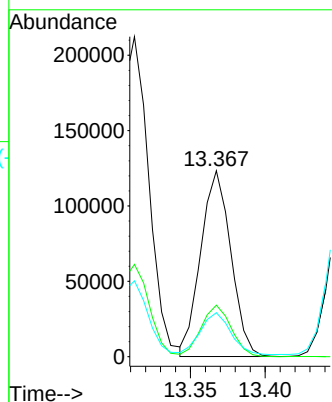
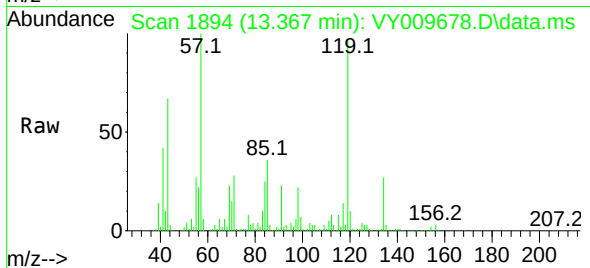




#86
p-Isopropyltoluene
Concen: 20.855 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

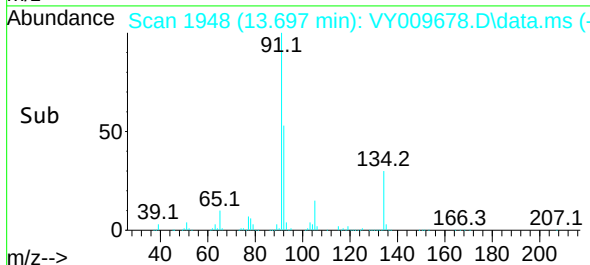
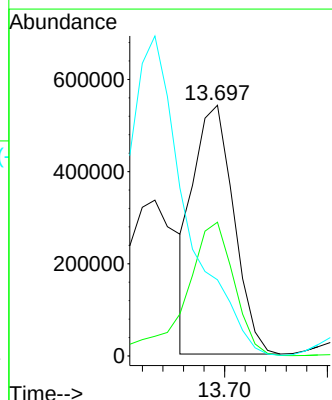
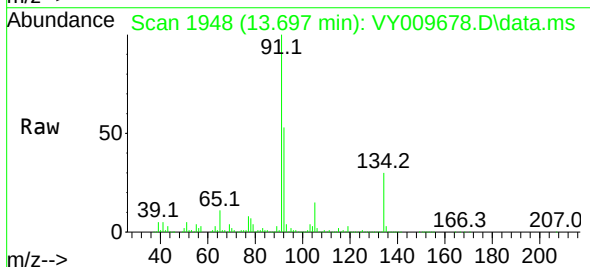
Instrument :
MSVOA_Y
ClientSampleId :
DL-3(8.5-9)

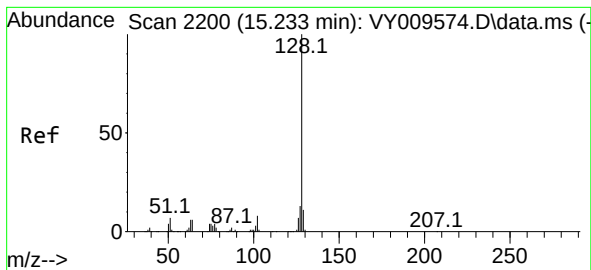
Tgt Ion:119 Resp: 172439
Ion Ratio Lower Upper
119 100
134 27.7 13.2 39.5
91 22.6 12.4 37.2



#89
n-Butylbenzene
Concen: 97.110 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

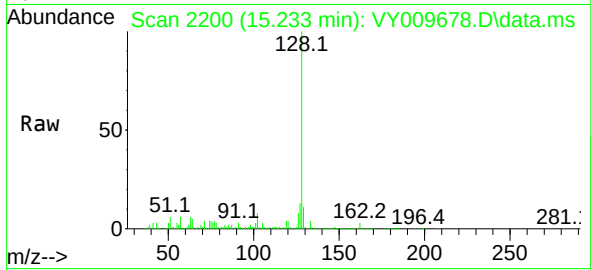
Tgt Ion: 91 Resp: 733331
Ion Ratio Lower Upper
91 100
92 65.2 26.3 78.9
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 283.648 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY009678.D
Acq: 25 Jul 2022 11:53

Instrument :
MSVOA_Y
ClientSampleId :
DL-3(8.5-9)



Tgt Ion:128 Resp: 1335208
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 11.3 8.4 12.6

