

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011924\
 Data File : VY017058.D
 Acq On : 19 Jan 2024 16:09
 Operator : SY/MD
 Sample : P1180-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-011824

Quant Time: Jan 19 22:23:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

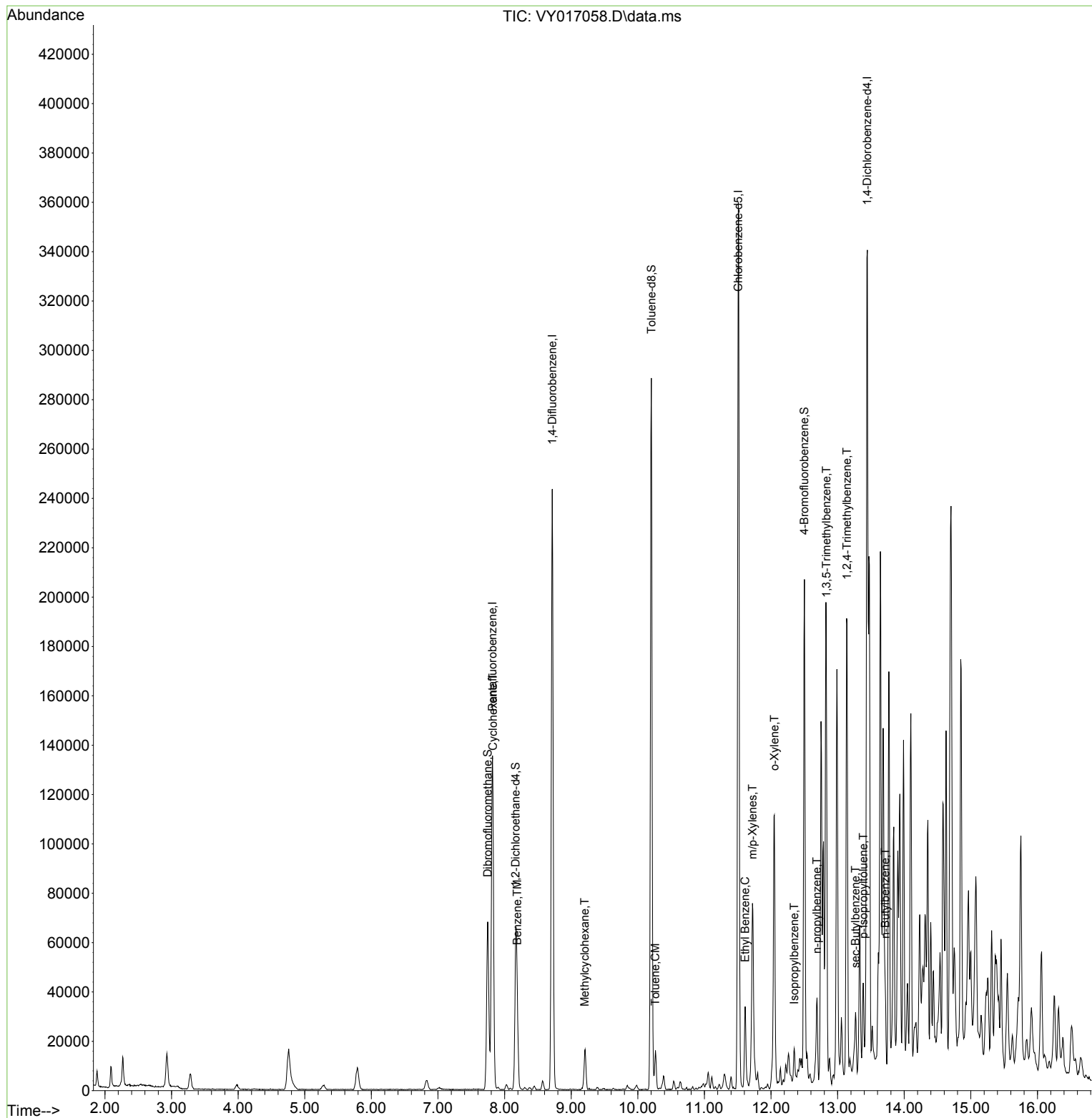
Internal Standards						
1) Pentafluorobenzene	7.819	168	96654	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	206086	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	201470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	83215	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	42475	44.463	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.920%
35) Dibromofluoromethane	7.746	113	48401	36.856	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.720%
50) Toluene-d8	10.203	98	182962	40.458	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.920%
62) 4-Bromofluorobenzene	12.501	95	62235	40.790	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.580%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.825	56	6822	4.161	ug/l #	75
39) Methylcyclohexane	9.203	83	6291	2.924	ug/l #	85
40) Benzene	8.191	78	23622	4.114	ug/l	98
52) Toluene	10.264	92	6343	1.831	ug/l	99
67) Ethyl Benzene	11.611	91	21738	2.877	ug/l	97
68) m/p-Xylenes	11.721	106	18378	6.626	ug/l	96
69) o-Xylene	12.050	106	29338	11.283	ug/l	99
73) Isopropylbenzene	12.349	105	8531	1.255	ug/l	98
78) n-propylbenzene	12.690	91	25554	3.093	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	60898	11.331	ug/l	99
84) 1,2,4-Trimethylbenzene	13.142	105	100384	18.967	ug/l	98
85) sec-Butylbenzene	13.270	105	14350	2.046	ug/l	87
86) p-Isopropyltoluene	13.385	119	12255	2.117	ug/l	98
89) n-Butylbenzene	13.715	91	16002	2.875	ug/l #	72

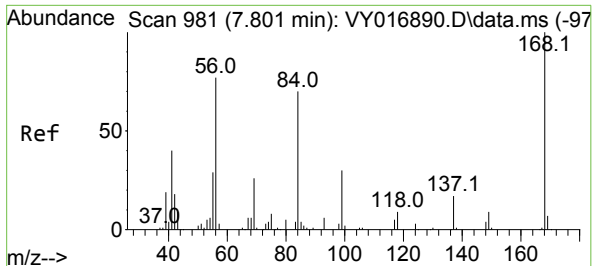
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EO-01-011824

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Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
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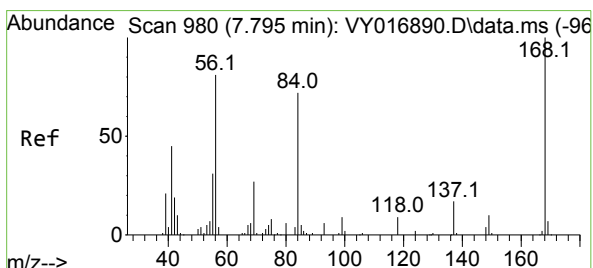
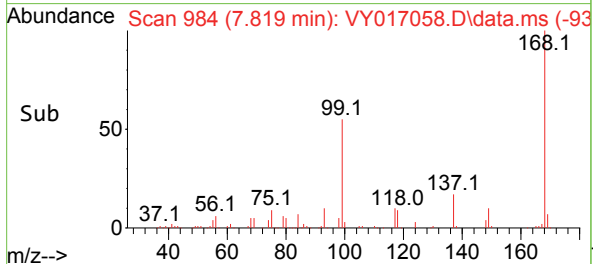
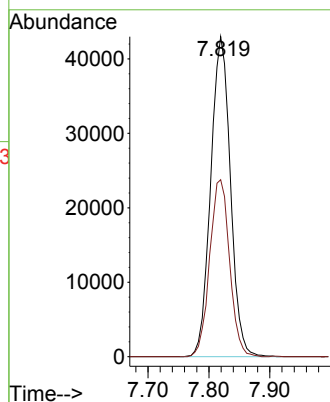
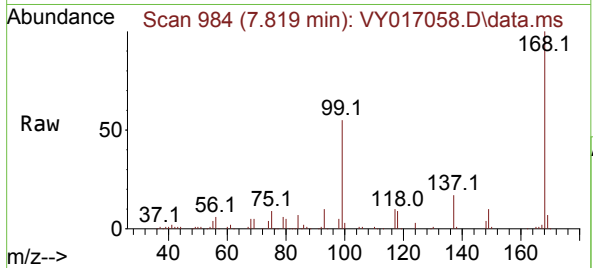




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.819 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

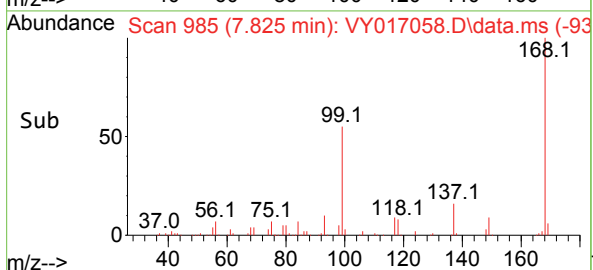
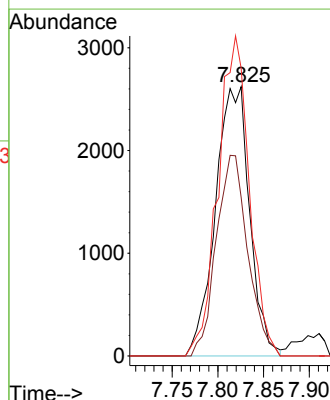
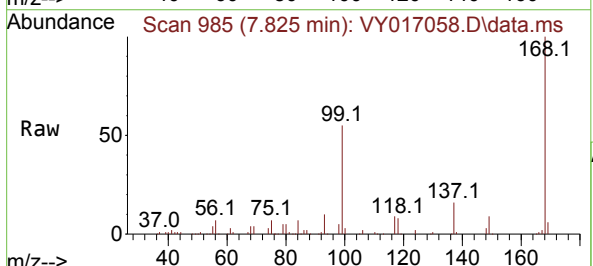
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-011824

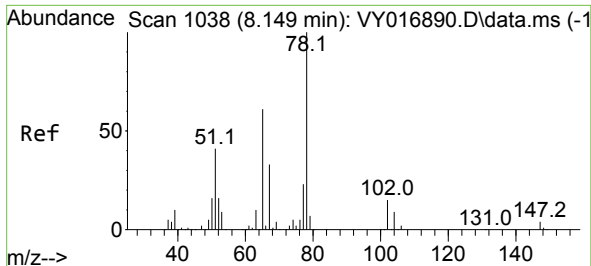
Tgt Ion:168 Resp: 96654
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#31
Cyclohexane
Concen: 4.161 ug/l
RT: 7.825 min Scan# 985
Delta R.T. 0.024 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

Tgt Ion: 56 Resp: 6822
Ion Ratio Lower Upper
56 100
69 58.9 27.0 40.6#
84 106.8 71.8 107.6

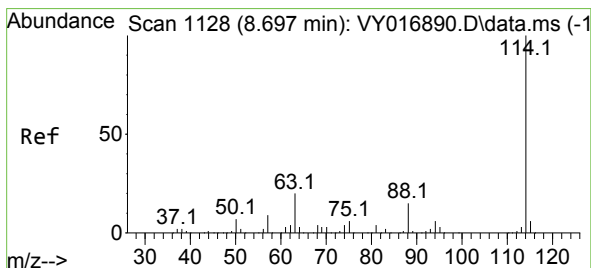
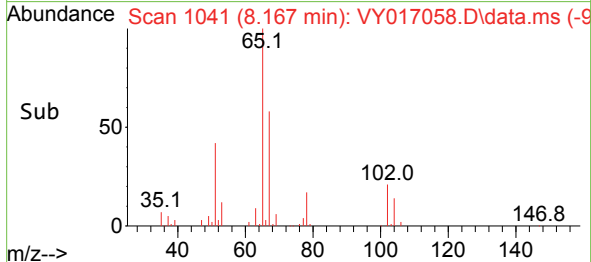
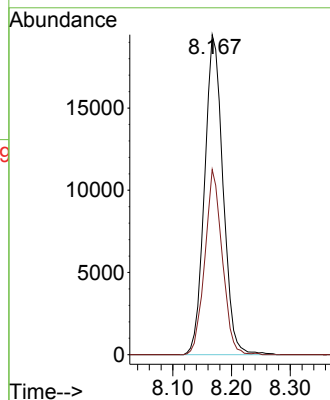
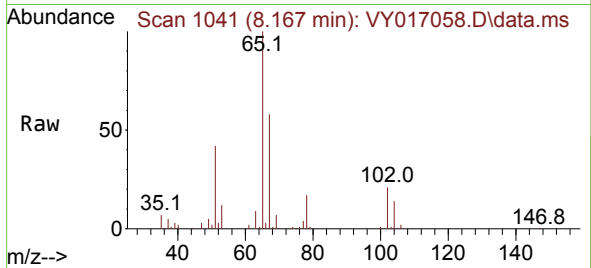




#33
 1,2-Dichloroethane-d4
 Concen: 44.463 ug/l
 RT: 8.167 min Scan# 110
 Delta R.T. 0.012 min
 Lab File: VY017058.D
 Acq: 19 Jan 2024 16:09

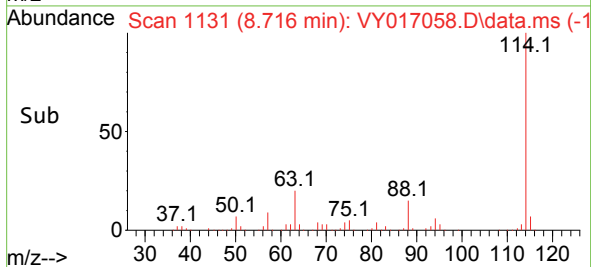
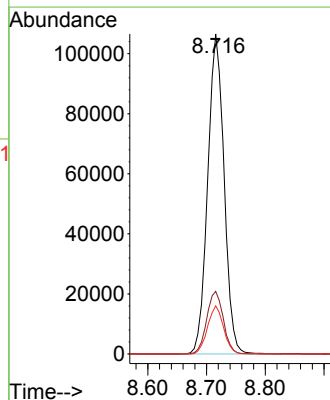
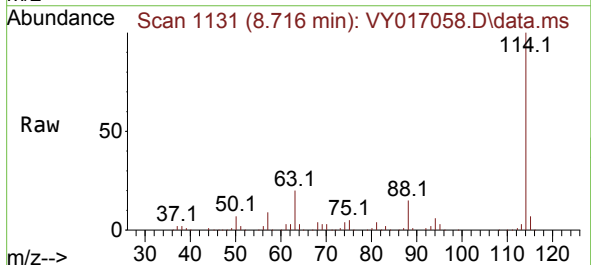
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-011824

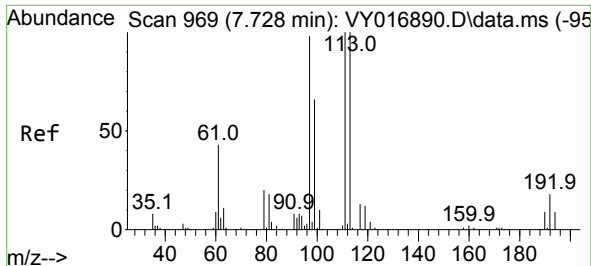
Tgt Ion: 65 Resp: 42475
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.716 min Scan# 1131
 Delta R.T. 0.013 min
 Lab File: VY017058.D
 Acq: 19 Jan 2024 16:09

Tgt Ion: 114 Resp: 206086
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.4
 88 15.1 0.0 29.0

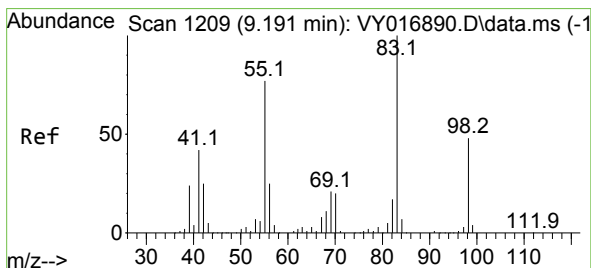
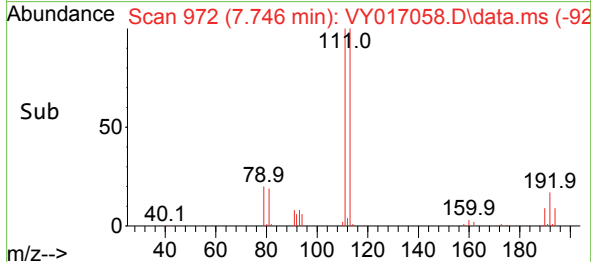
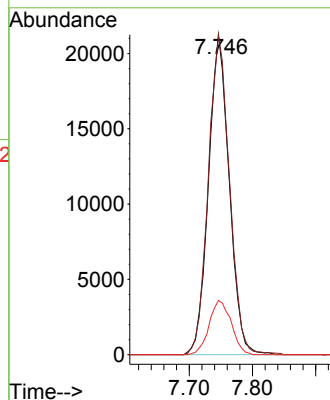
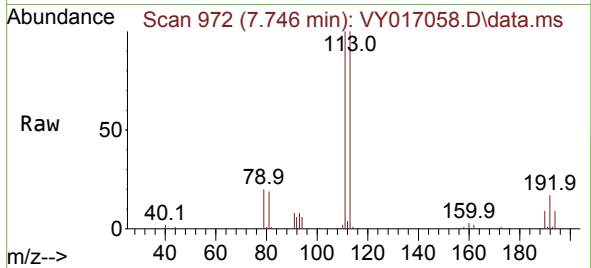




#35
Dibromofluoromethane
Concen: 36.856 ug/l
RT: 7.746 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

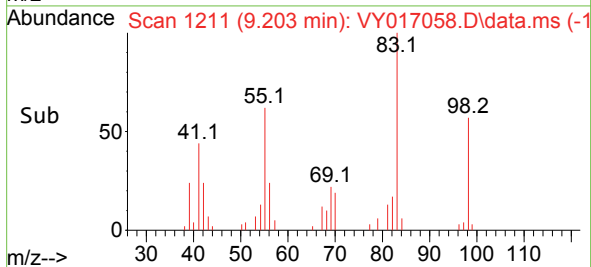
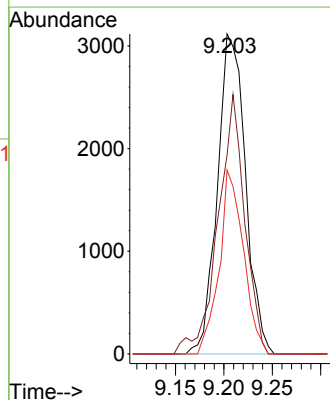
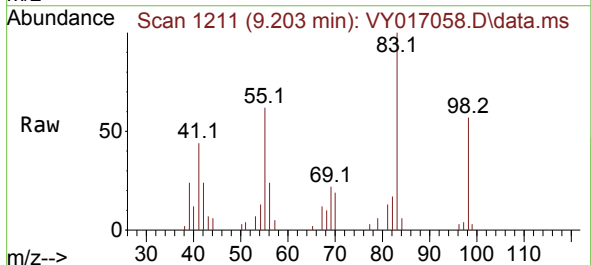
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-011824

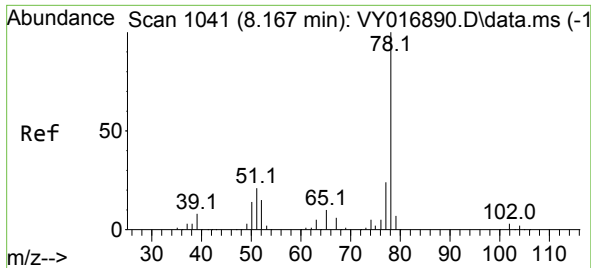
Tgt Ion:113 Resp: 48401
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 18.0 14.5 21.7



#39
Methylcyclohexane
Concen: 2.924 ug/l
RT: 9.203 min Scan# 1211
Delta R.T. 0.012 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

Tgt Ion: 83 Resp: 6291
Ion Ratio Lower Upper
83 100
55 62.2 59.7 89.5
98 57.5 38.0 57.0#

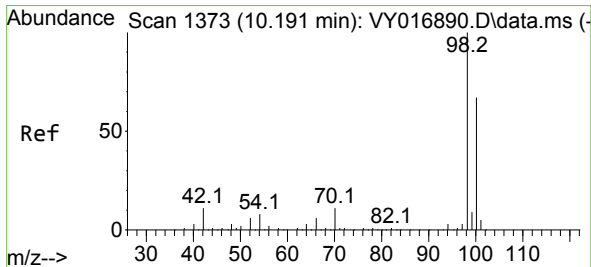
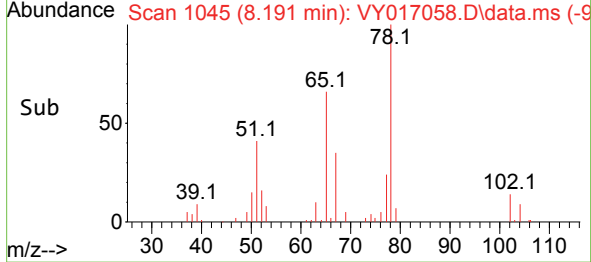
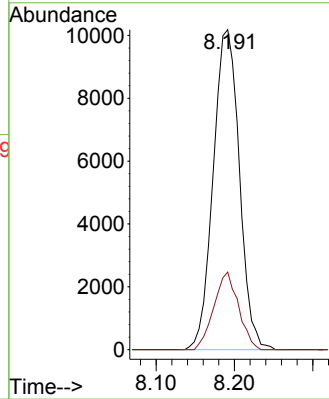
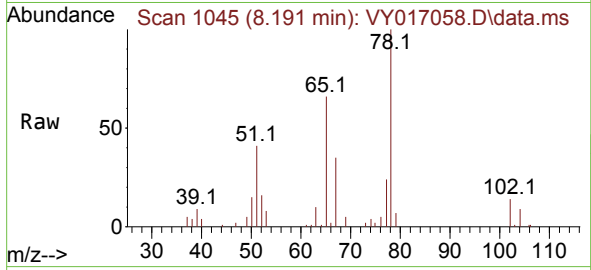




#40
Benzene
Concen: 4.114 ug/l
RT: 8.191 min Scan# 1045
Delta R.T. 0.018 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

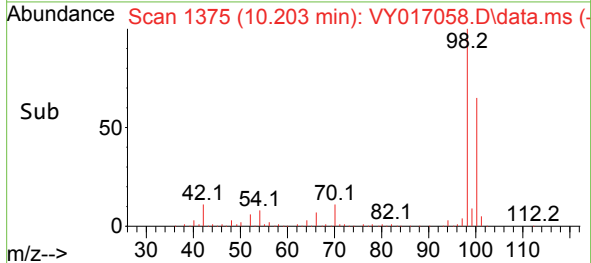
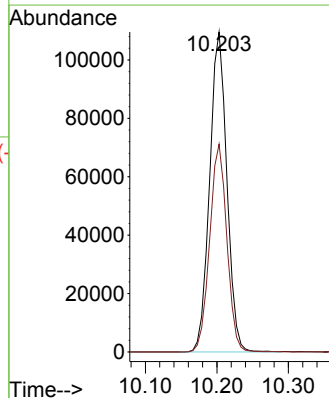
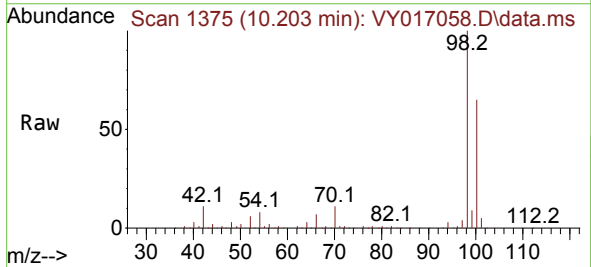
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-011824

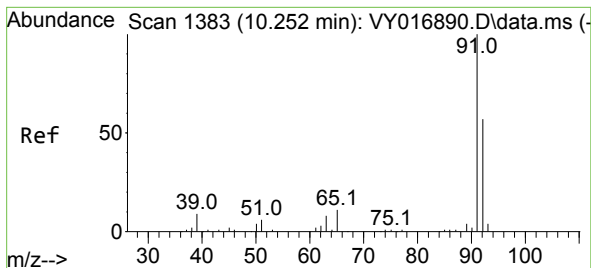
Tgt Ion: 78 Resp: 23622
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2



#50
Toluene-d8
Concen: 40.458 ug/l
RT: 10.203 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

Tgt Ion: 98 Resp: 182962
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5





#52

Toluene

Concen: 1.831 ug/l

RT: 10.264 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017058.D

Acq: 19 Jan 2024 16:09

Instrument :

MSVOA_Y

ClientSampleId :

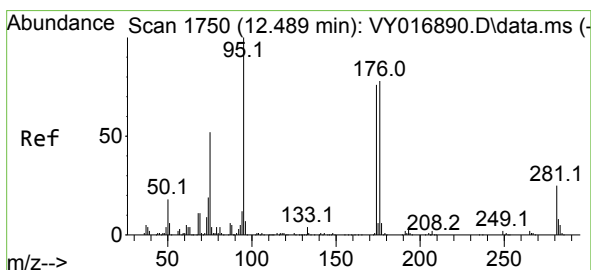
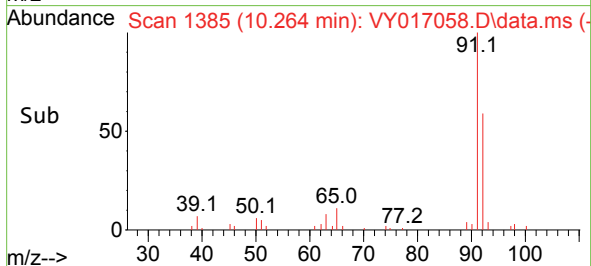
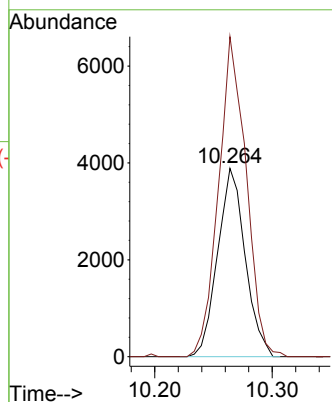
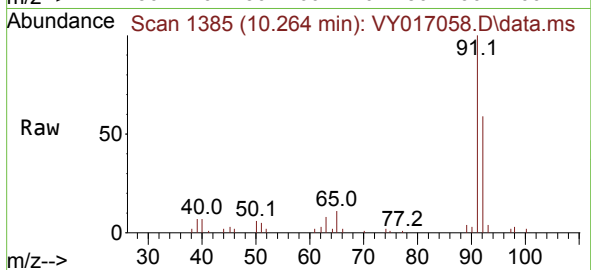
EO-01-011824

Tgt Ion: 92 Resp: 6343

Ion Ratio Lower Upper

92 100

91 170.3 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 40.790 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.012 min

Lab File: VY017058.D

Acq: 19 Jan 2024 16:09

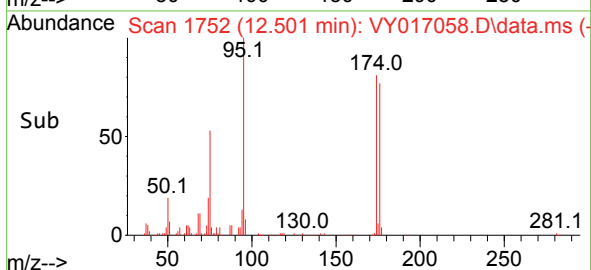
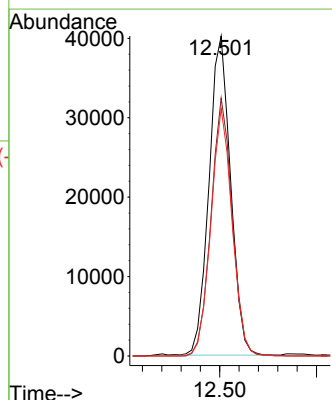
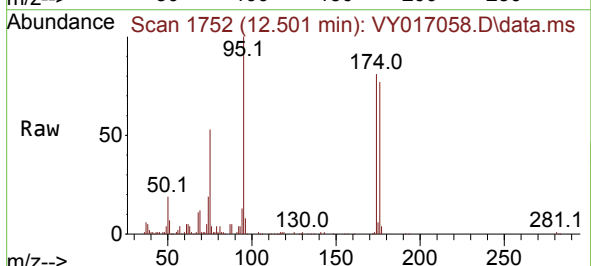
Tgt Ion: 95 Resp: 62235

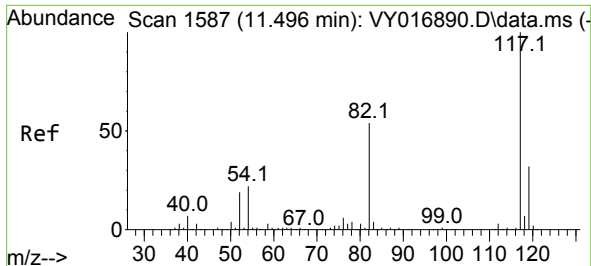
Ion Ratio Lower Upper

95 100

174 79.4 0.0 160.0

176 76.3 0.0 151.8

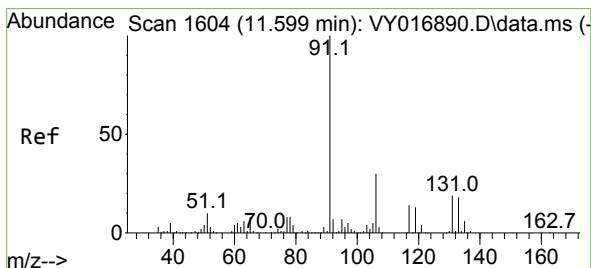
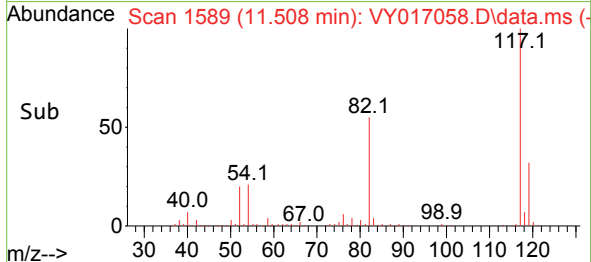
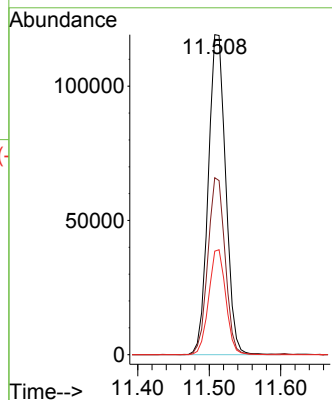
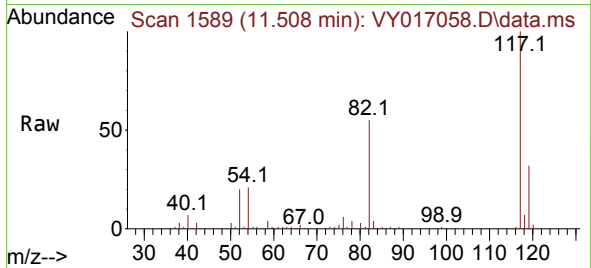




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

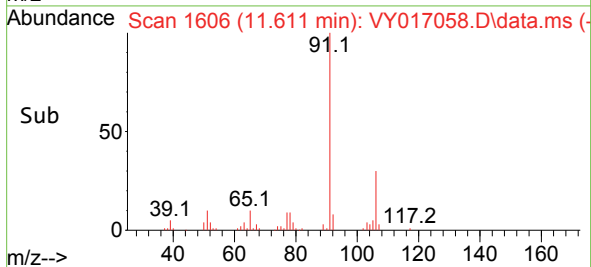
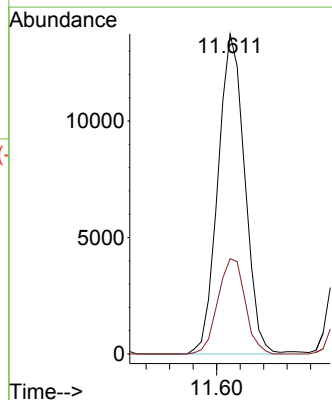
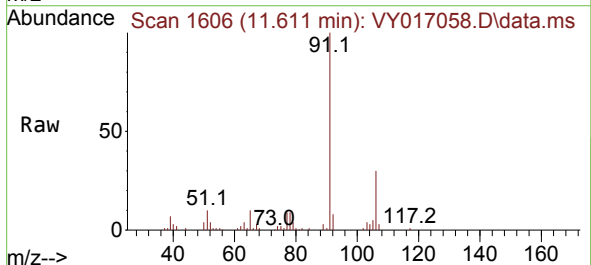
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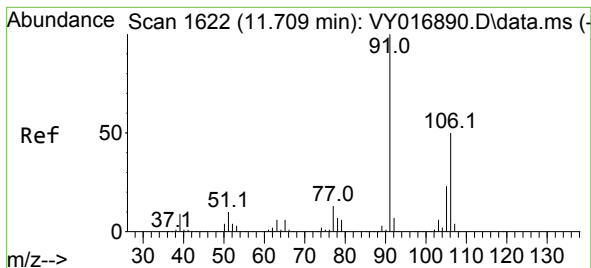
Tgt Ion:117 Resp: 201470
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 32.4 26.5 39.7



#67
Ethyl Benzene
Concen: 2.877 ug/l
RT: 11.611 min Scan# 1606
Delta R.T. 0.012 min
Lab File: VY017058.D
Acq: 19 Jan 2024 16:09

Tgt Ion: 91 Resp: 21738
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.4





#68

m/p-Xylenes

Concen: 6.626 ug/l

RT: 11.721 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017058.D

Acq: 19 Jan 2024 16:09

Instrument :

MSVOA_Y

ClientSampleId :

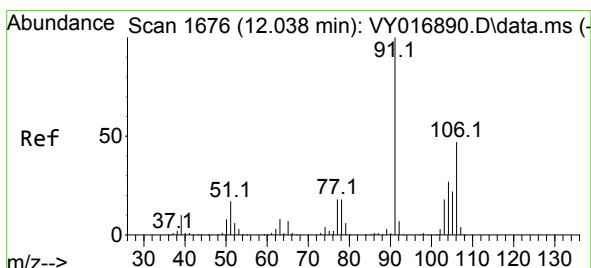
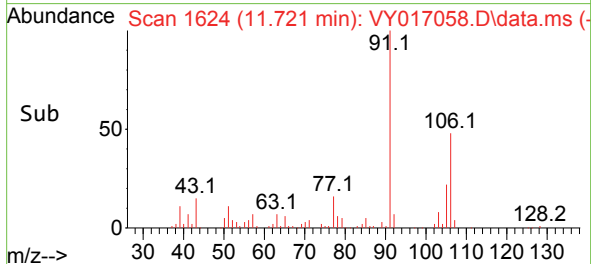
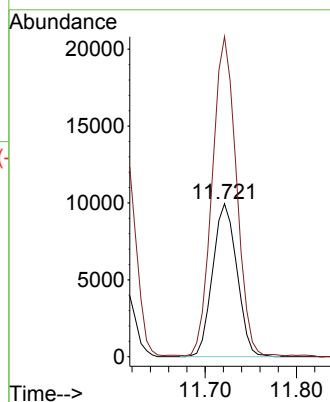
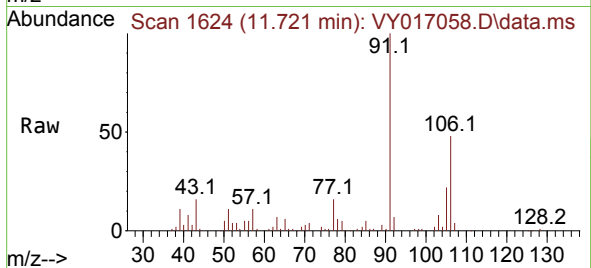
EO-01-011824

Tgt Ion:106 Resp: 18378

Ion Ratio Lower Upper

106 100

91 207.7 160.7 241.1



#69

o-Xylene

Concen: 11.283 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.012 min

Lab File: VY017058.D

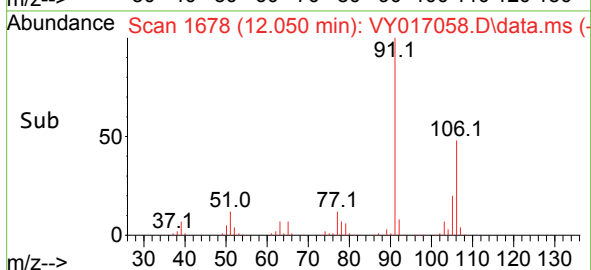
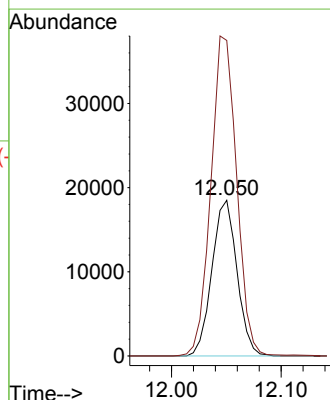
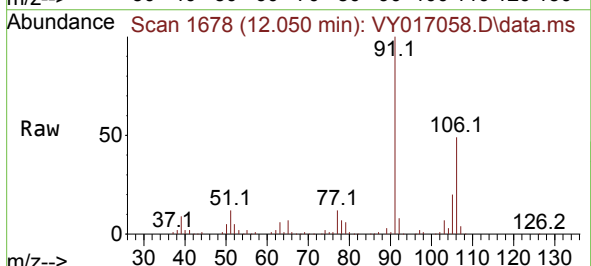
Acq: 19 Jan 2024 16:09

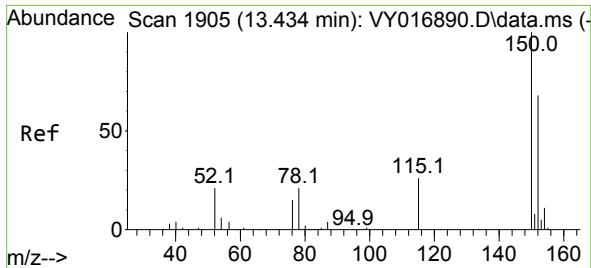
Tgt Ion:106 Resp: 29338

Ion Ratio Lower Upper

106 100

91 211.8 106.5 319.5

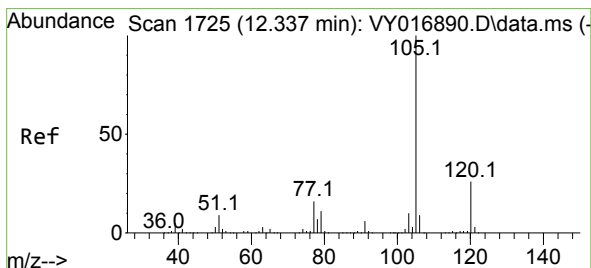
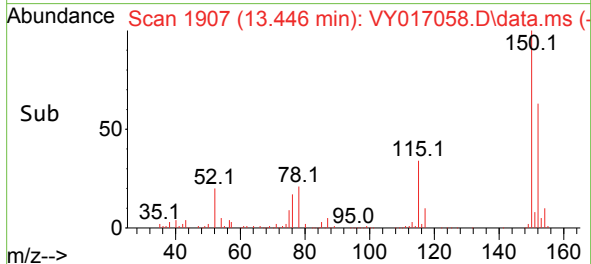
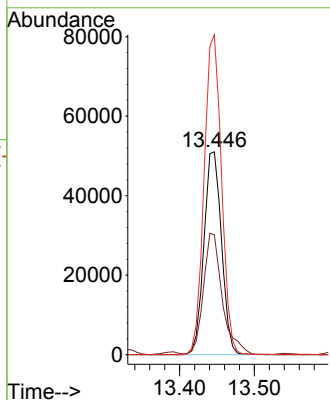
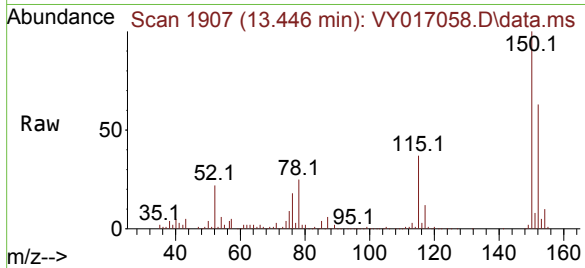




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.446 min Scan# 1907
 Delta R.T. 0.012 min
 Lab File: VY017058.D
 Acq: 19 Jan 2024 16:09

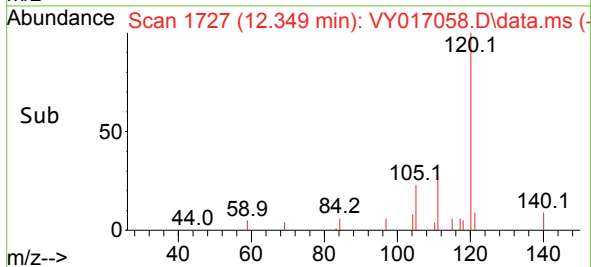
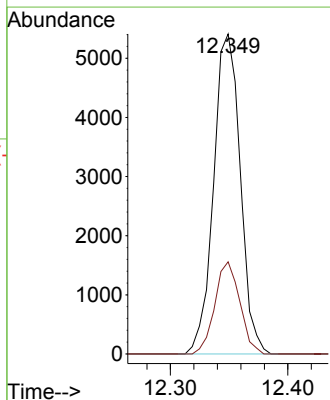
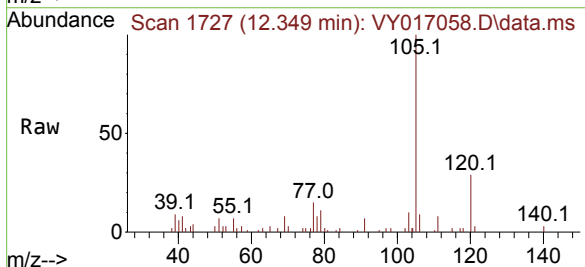
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-011824

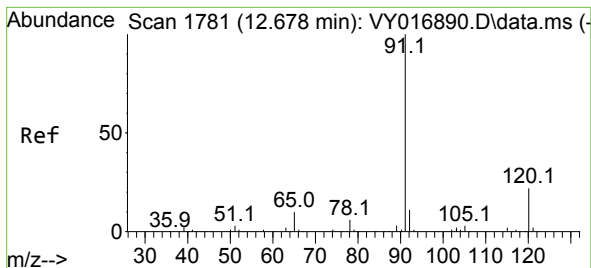
Tgt Ion:152 Resp: 83215
 Ion Ratio Lower Upper
 152 100
 115 64.5 30.0 90.0
 150 156.4 0.0 344.6



#73
 Isopropylbenzene
 Concen: 1.255 ug/l
 RT: 12.349 min Scan# 1727
 Delta R.T. 0.012 min
 Lab File: VY017058.D
 Acq: 19 Jan 2024 16:09

Tgt Ion:105 Resp: 8531
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.0 39.0





#78

n-propylbenzene

Concen: 3.093 ug/l

RT: 12.690 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017058.D

Acq: 19 Jan 2024 16:09

Instrument :

MSVOA_Y

ClientSampleId :

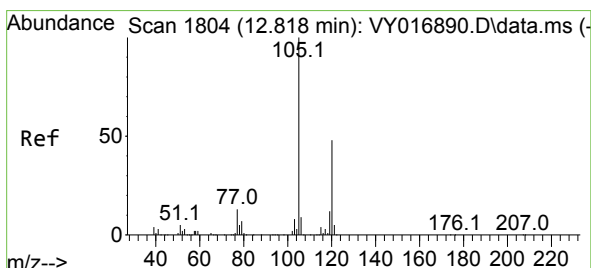
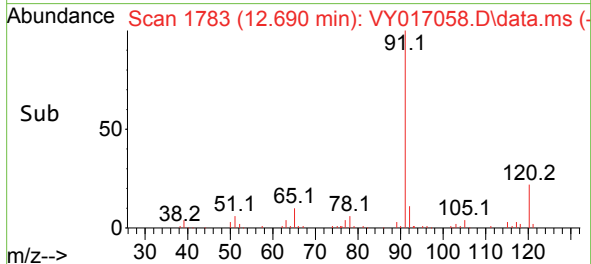
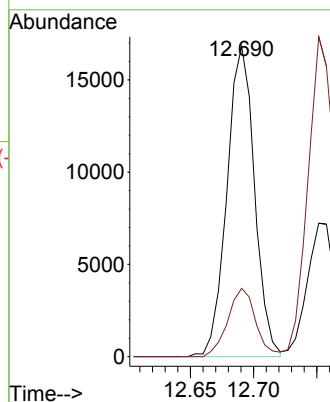
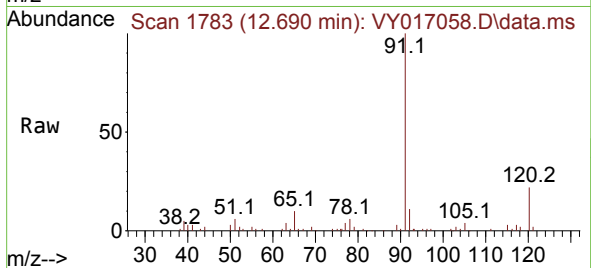
EO-01-011824

Tgt Ion: 91 Resp: 25554

Ion Ratio Lower Upper

91 100

120 22.3 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 11.331 ug/l

RT: 12.831 min Scan# 1806

Delta R.T. 0.013 min

Lab File: VY017058.D

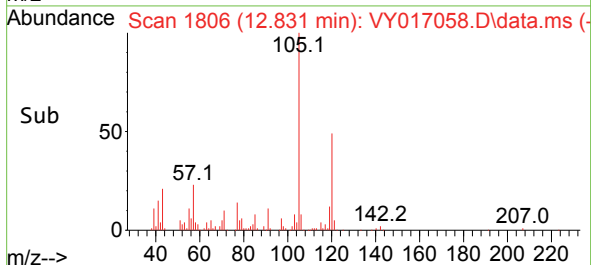
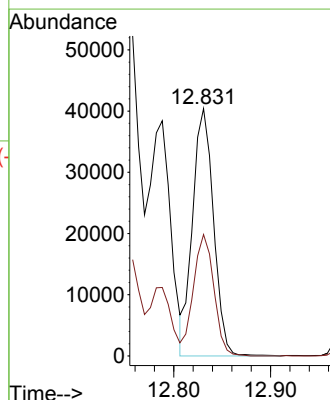
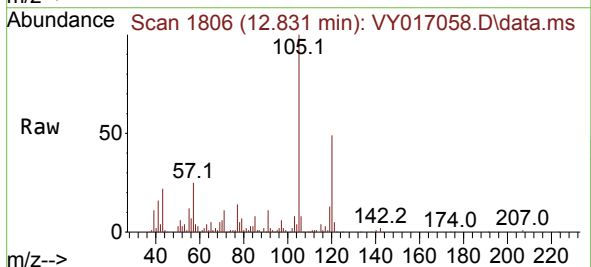
Acq: 19 Jan 2024 16:09

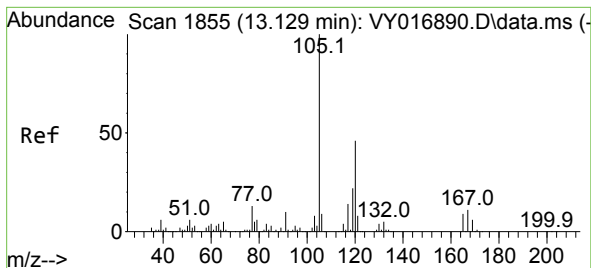
Tgt Ion:105 Resp: 60898

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 18.967 ug/l

RT: 13.142 min Scan# 1855

Delta R.T. 0.013 min

Lab File: VY017058.D

Acq: 19 Jan 2024 16:09

Instrument :

MSVOA_Y

ClientSampleId :

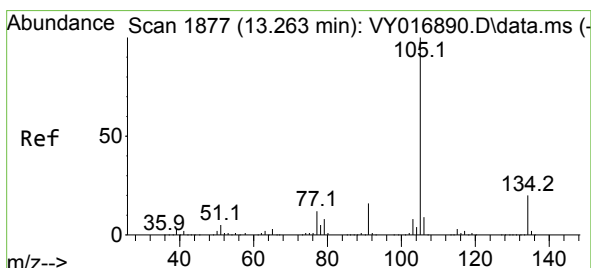
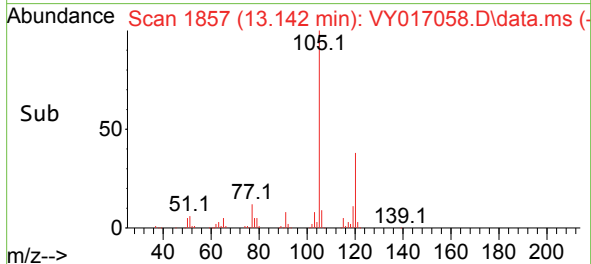
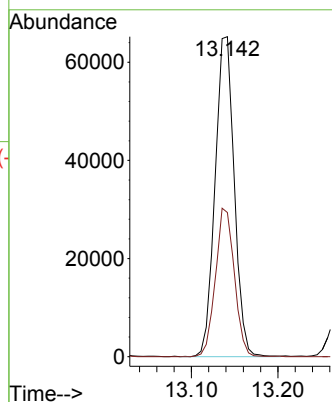
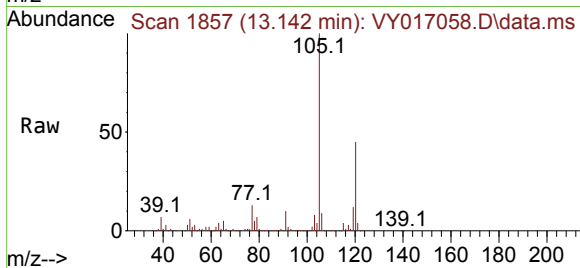
EO-01-011824

Tgt Ion:105 Resp: 100384

Ion Ratio Lower Upper

105 100

120 45.8 22.1 66.3



#85

sec-Butylbenzene

Concen: 2.046 ug/l

RT: 13.270 min Scan# 1878

Delta R.T. 0.007 min

Lab File: VY017058.D

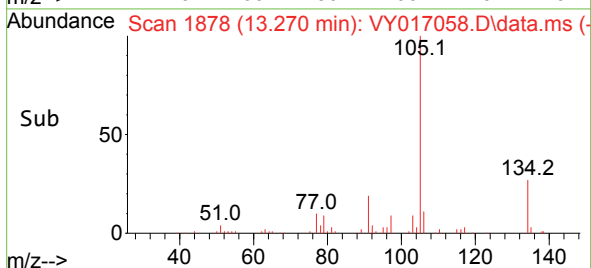
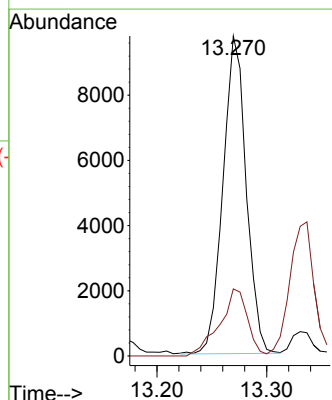
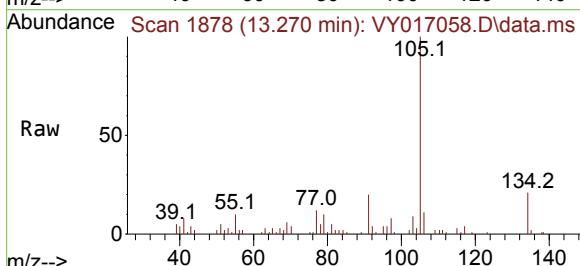
Acq: 19 Jan 2024 16:09

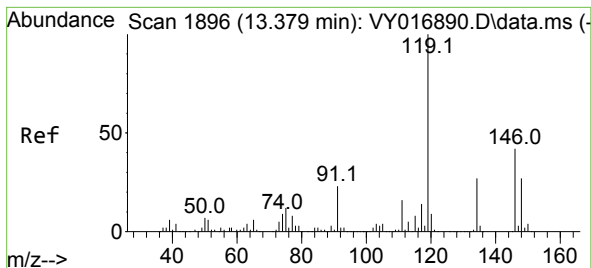
Tgt Ion:105 Resp: 14350

Ion Ratio Lower Upper

105 100

134 25.3 9.7 28.9





#86

p-Isopropyltoluene

Concen: 2.117 ug/l

RT: 13.385 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY017058.D

Acq: 19 Jan 2024 16:09

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-011824

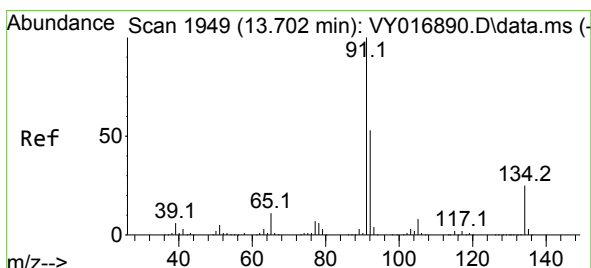
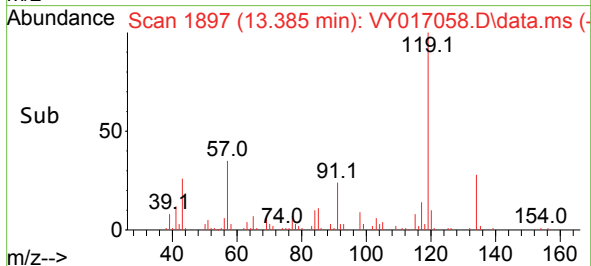
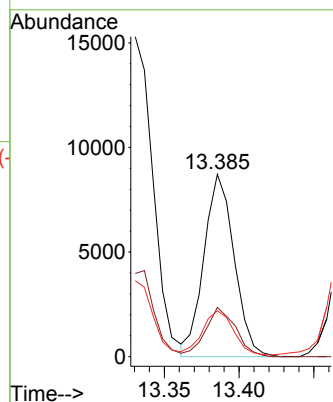
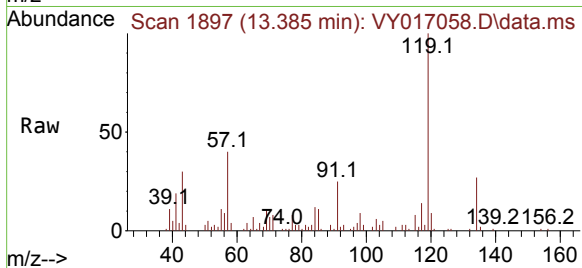
Tgt Ion:119 Resp: 12255

Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.1

91 24.6 11.7 35.0



#89

n-Butylbenzene

Concen: 2.875 ug/l

RT: 13.715 min Scan# 1951

Delta R.T. 0.013 min

Lab File: VY017058.D

Acq: 19 Jan 2024 16:09

Tgt Ion: 91 Resp: 16002

Ion Ratio Lower Upper

91 100

92 65.4 26.4 79.2

134 0.0 12.3 36.8#

