

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY021015.D
 Acq On : 31 Jan 2025 17:17
 Operator : SY/MD
 Sample : Q1244-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-01302025

Quant Time: Jan 31 22:27:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	204809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	367314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	352145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156100	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108395	62.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.320%
35) Dibromofluoromethane	7.634	113	119603	54.162	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.320%
50) Toluene-d8	10.109	98	436823	50.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.360%
62) 4-Bromofluorobenzene	12.408	95	157033	54.298	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	108.600%

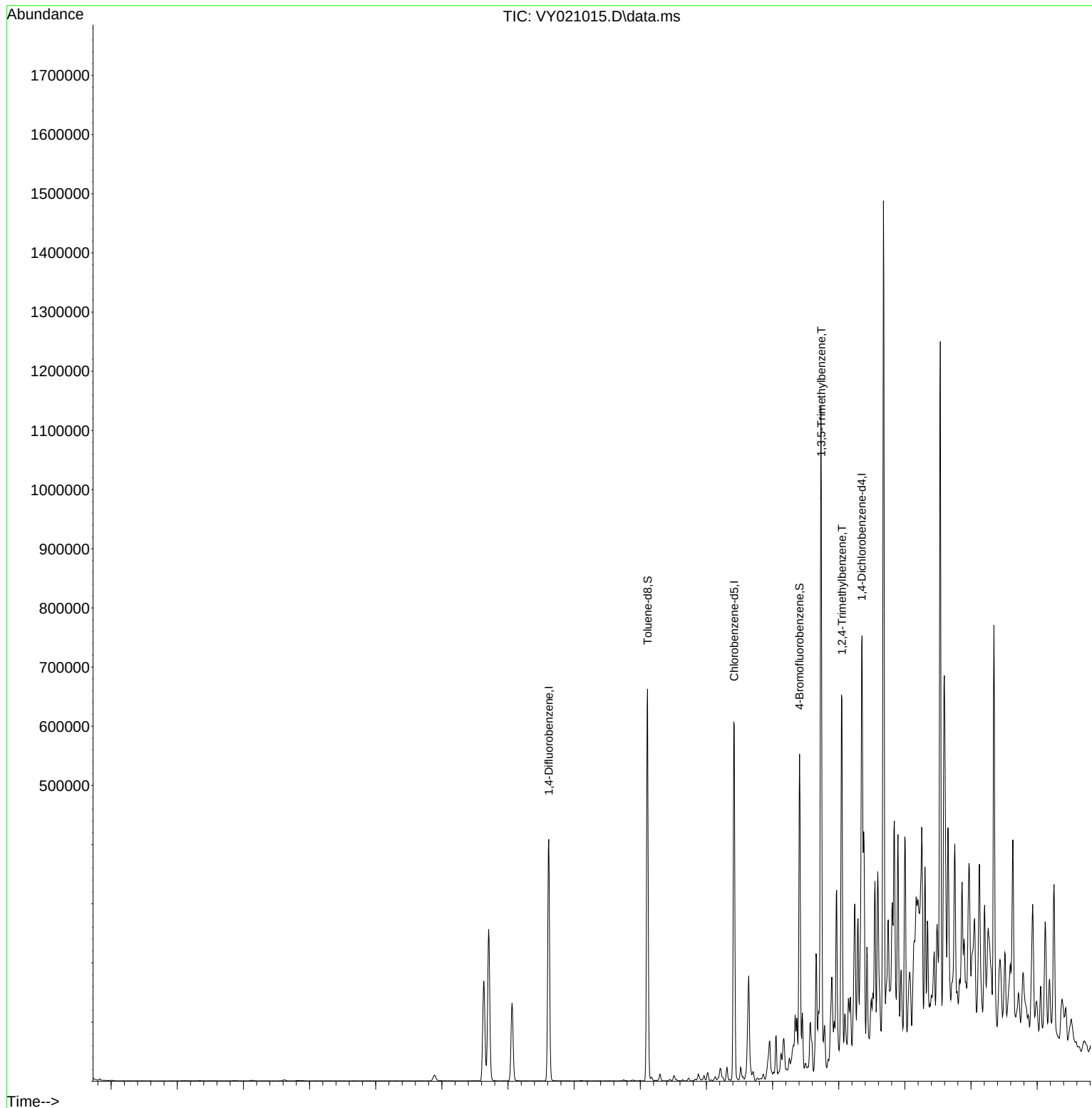
Target Compounds						Qvalue
67) Ethyl Benzene	11.517	91	14333	1.116	ug/l	97
68) m/p-Xylenes	11.627	106	24137	4.890	ug/l	99
69) o-Xylene	11.956	106	14634	3.190	ug/l	98
73) Isopropylbenzene	12.255	105	11258	1.027	ug/l	98
78) n-propylbenzene	12.597	91	34210	2.662	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	81842	9.112	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	327152	37.288	ug/l	99
85) sec-Butylbenzene	13.176	105	38953	3.303	ug/l	87
86) p-Isopropyltoluene	13.292	119	31352	3.163	ug/l	99
89) n-Butylbenzene	13.621	91	32511	3.662	ug/l #	70

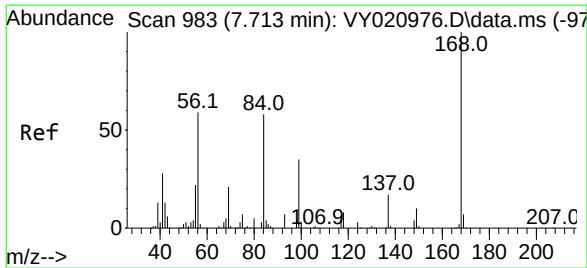
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
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Quant Title : SW846 8260
QLast Update : Fri Jan 31 16:50:06 2025
Response via : Initial Calibration

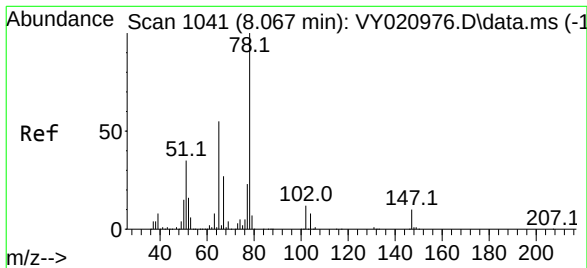
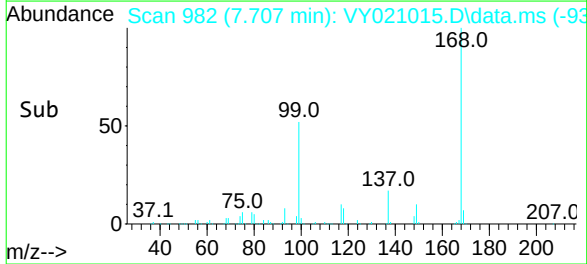
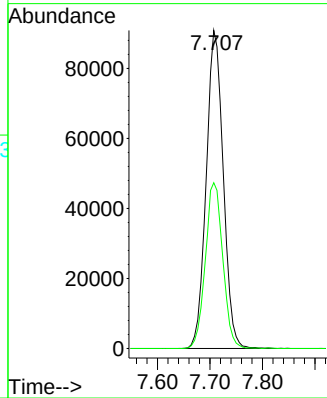
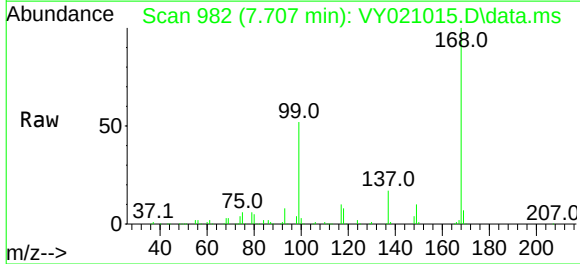




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY021015.D
Acq: 31 Jan 2025 17:17

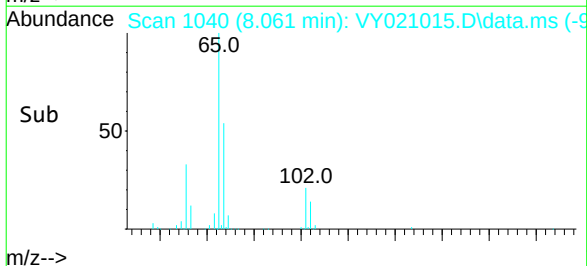
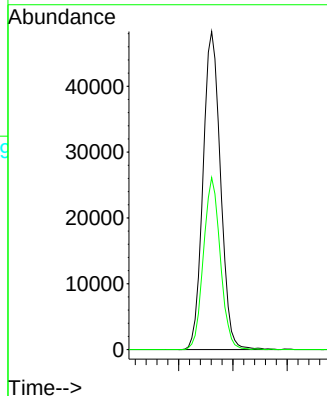
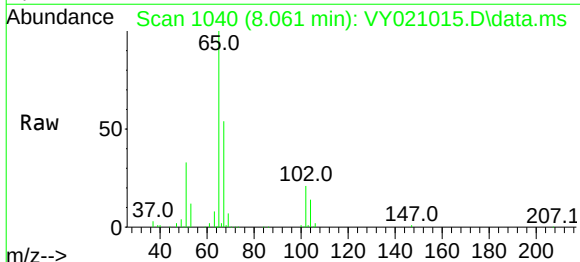
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-01302025

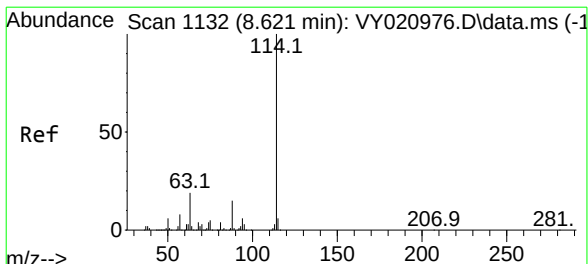
Tgt Ion:168 Resp: 204809
Ion Ratio Lower Upper
168 100
99 52.1 42.2 63.2



#33
1,2-Dichloroethane-d4
Concen: 62.161 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021015.D
Acq: 31 Jan 2025 17:17

Tgt Ion: 65 Resp: 108395
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.4

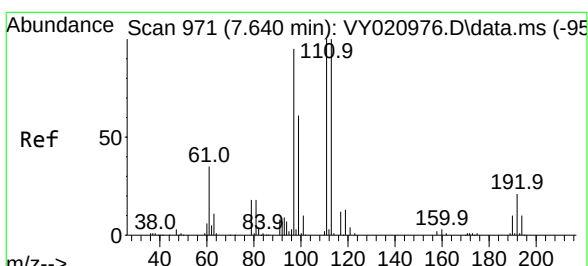
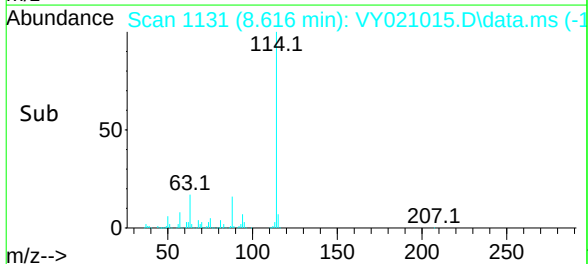
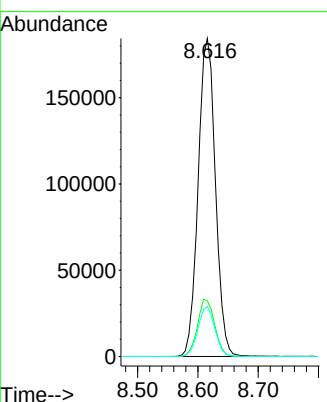
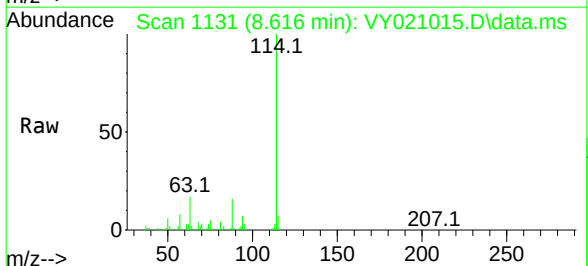




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 111
 Delta R.T. -0.006 min
 Lab File: VY021015.D
 Acq: 31 Jan 2025 17:17

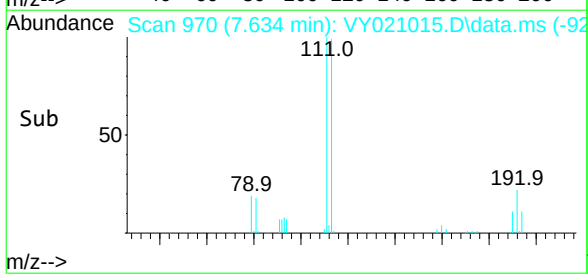
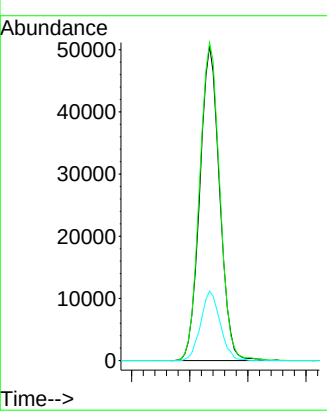
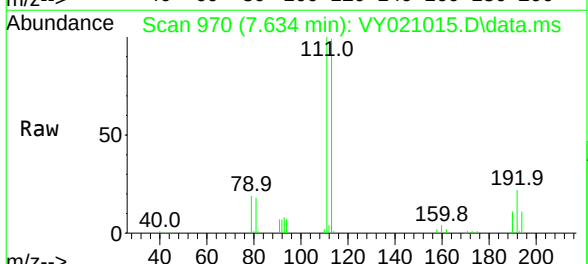
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-01302025

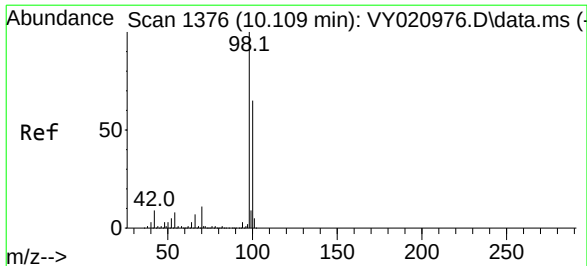
Tgt Ion:	114	Resp:	367314
Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	37.2
88	15.7	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 54.162 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. -0.006 min
 Lab File: VY021015.D
 Acq: 31 Jan 2025 17:17

Tgt Ion:	113	Resp:	119603
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	21.8	16.8	25.2





#50

Toluene-d8

Concen: 50.682 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

Instrument :

MSVOA_Y

ClientSampleId :

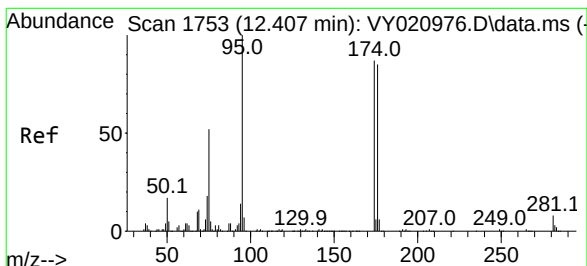
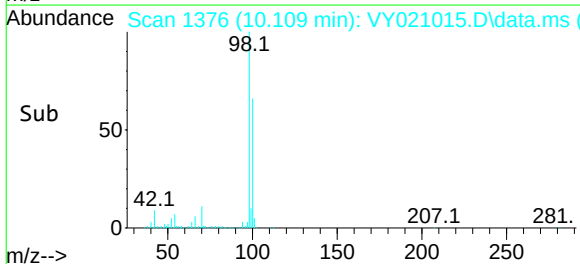
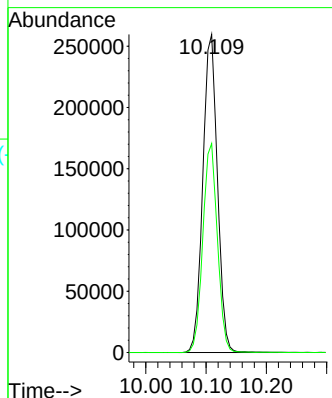
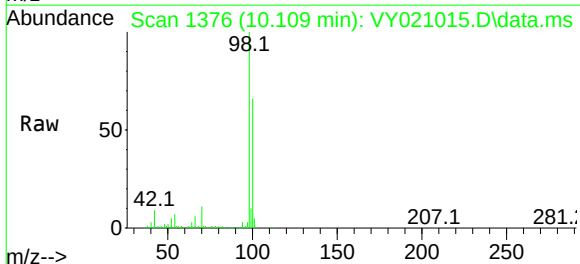
EO-02-01302025

Tgt Ion: 98 Resp: 436823

Ion Ratio Lower Upper

98 100

100 65.4 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 54.298 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

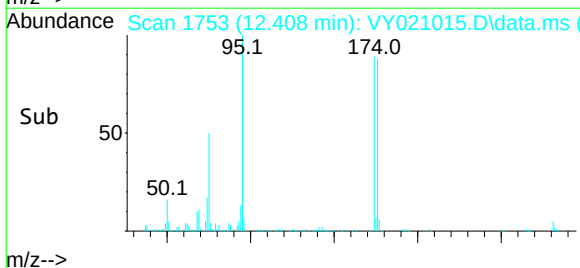
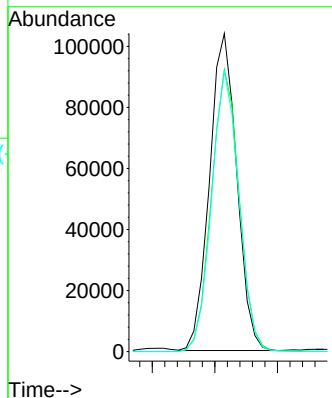
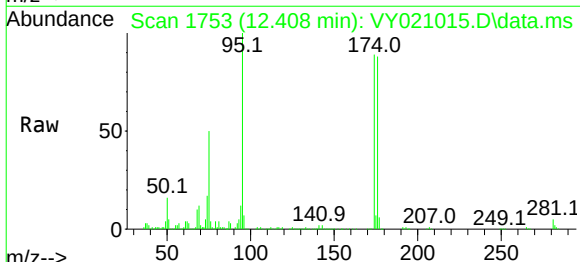
Tgt Ion: 95 Resp: 157033

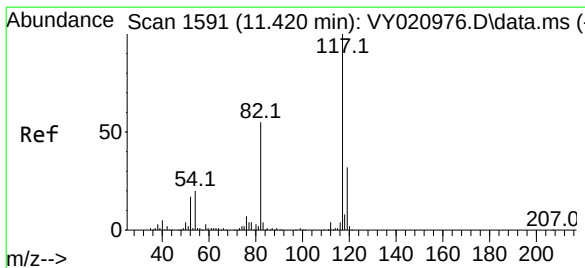
Ion Ratio Lower Upper

95 100

174 90.4 0.0 181.2

176 88.4 0.0 175.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

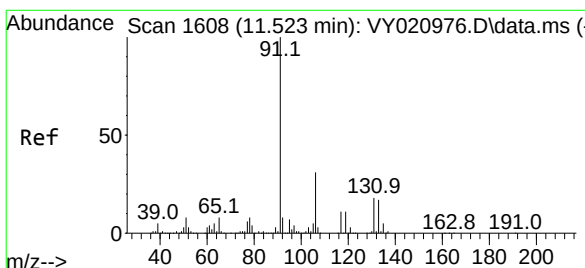
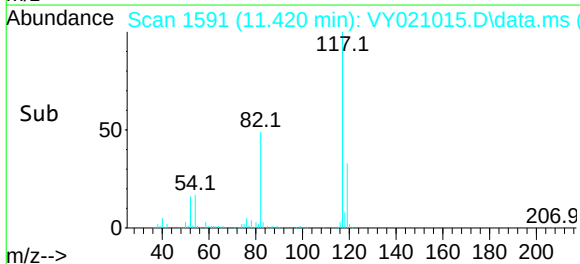
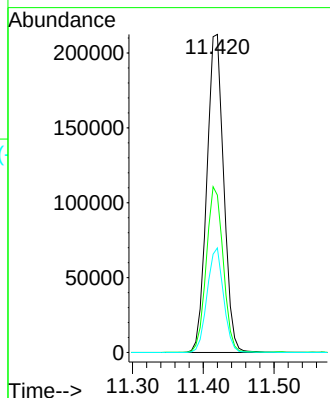
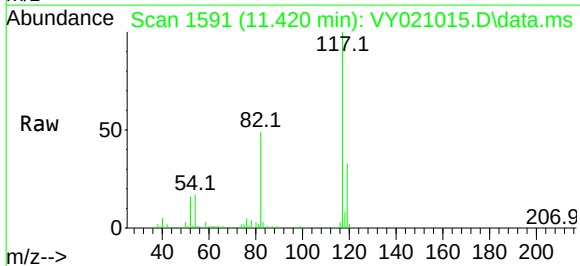
Instrument :

MSVOA_Y

ClientSampleId :

EO-02-01302025

Tgt Ion:	117	Resp:	352145
Ion	Ratio	Lower	Upper
117	100		
82	49.4	44.2	66.2
119	32.9	25.9	38.9



#67

Ethyl Benzene

Concen: 1.116 ug/l

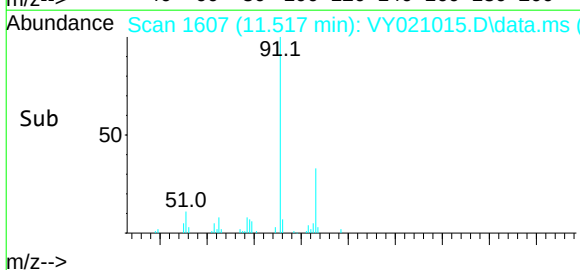
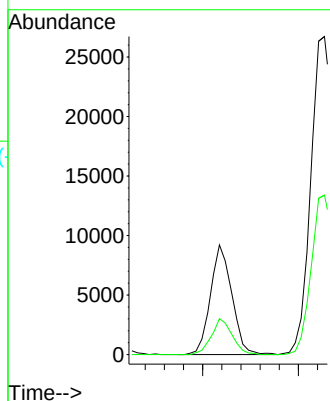
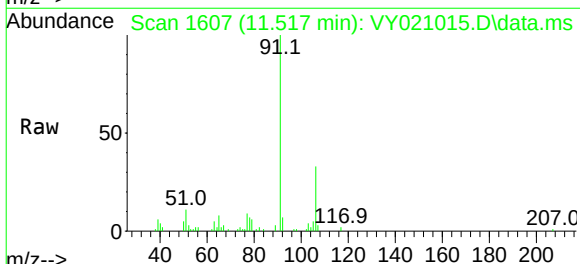
RT: 11.517 min Scan# 1607

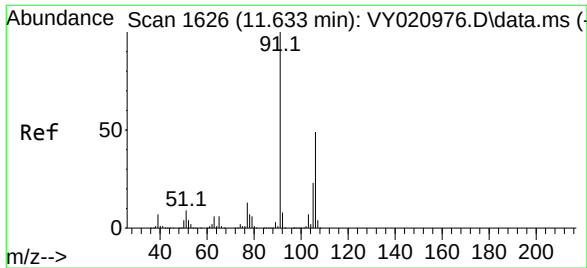
Delta R.T. -0.006 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

Tgt Ion:	91	Resp:	14333
Ion	Ratio	Lower	Upper
91	100		
106	32.7	24.9	37.3





#68

m/p-Xylenes

Concen: 4.890 ug/l

RT: 11.627 min Scan# 1626

Delta R.T. -0.006 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

Instrument :

MSVOA_Y

ClientSampleId :

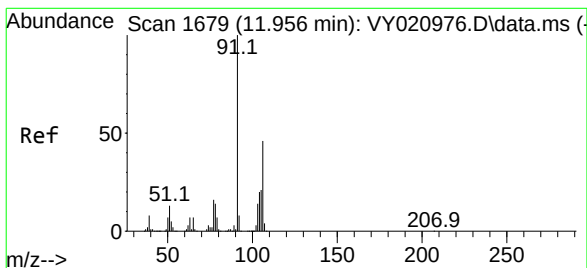
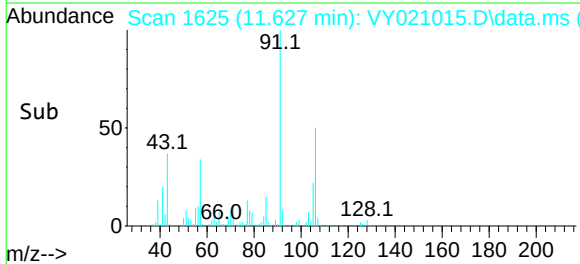
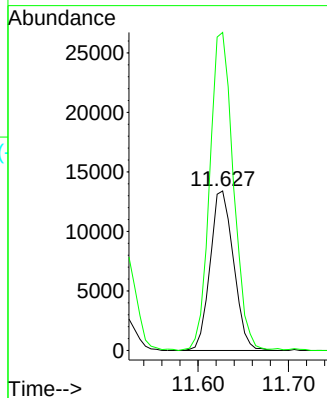
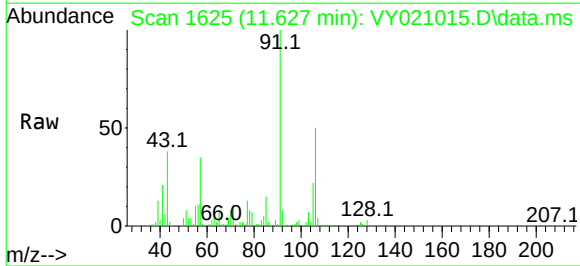
EO-02-01302025

Tgt Ion:106 Resp: 24137

Ion Ratio Lower Upper

106 100

91 202.0 160.0 240.0



#69

o-Xylene

Concen: 3.190 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY021015.D

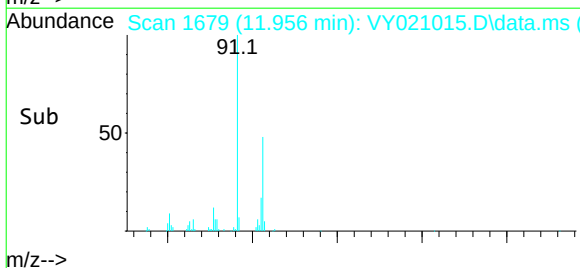
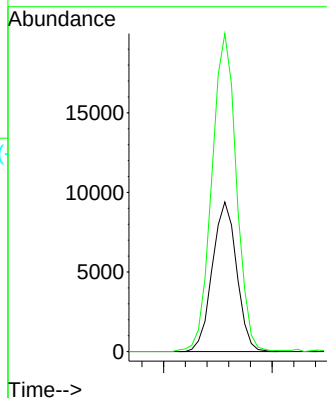
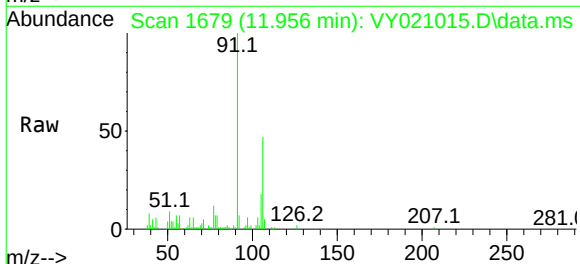
Acq: 31 Jan 2025 17:17

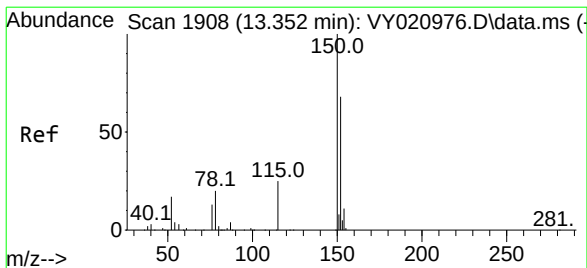
Tgt Ion:106 Resp: 14634

Ion Ratio Lower Upper

106 100

91 214.6 105.8 317.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 19

Delta R.T. -0.006 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

Instrument :

MSVOA_Y

ClientSampleId :

EO-02-01302025

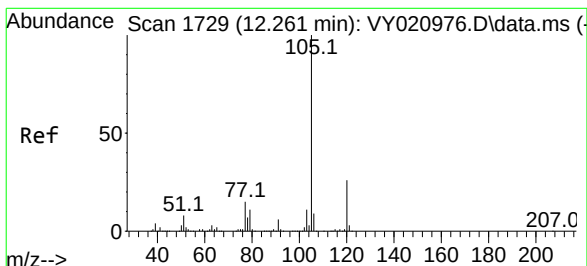
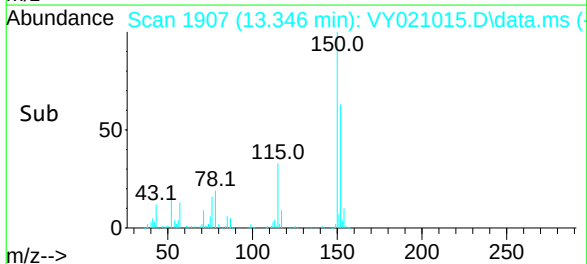
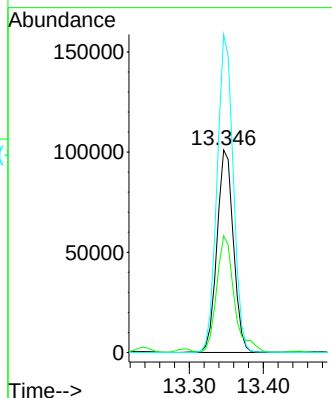
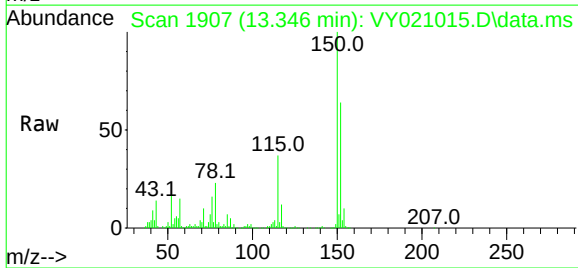
Tgt Ion:152 Resp: 156100

Ion Ratio Lower Upper

152 100

115 61.2 28.4 85.2

150 154.4 0.0 342.8



#73

Isopropylbenzene

Concen: 1.027 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.006 min

Lab File: VY021015.D

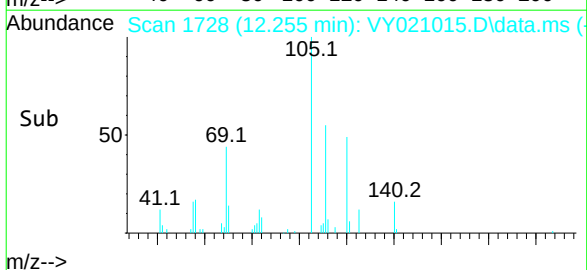
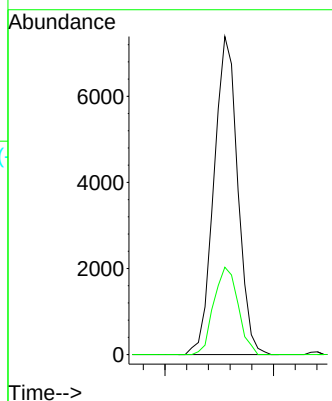
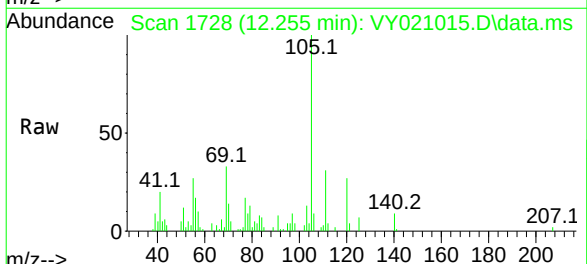
Acq: 31 Jan 2025 17:17

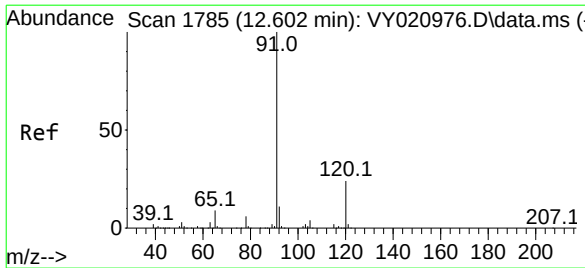
Tgt Ion:105 Resp: 11258

Ion Ratio Lower Upper

105 100

120 28.0 13.4 40.2





#78

n-propylbenzene

Concen: 2.662 ug/l

RT: 12.597 min Scan# 17

Delta R.T. -0.006 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

Instrument :

MSVOA_Y

ClientSampleId :

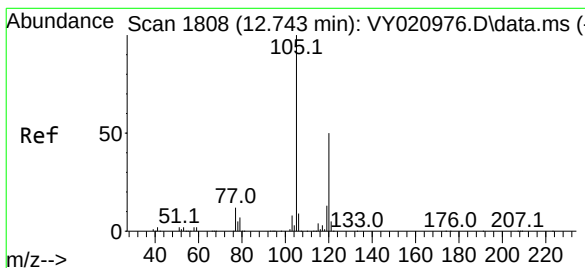
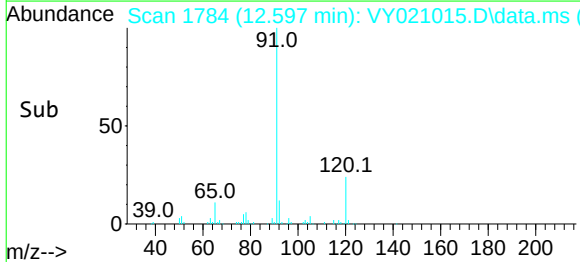
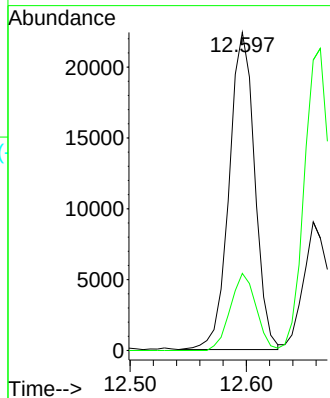
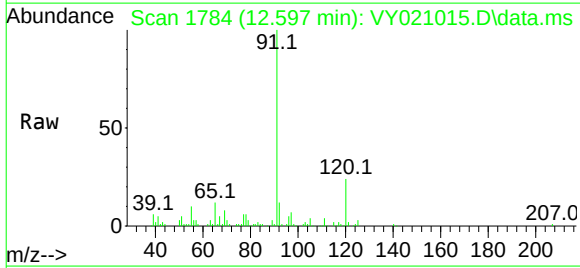
EO-02-01302025

Tgt Ion: 91 Resp: 34210

Ion Ratio Lower Upper

91 100

120 24.5 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 9.112 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.006 min

Lab File: VY021015.D

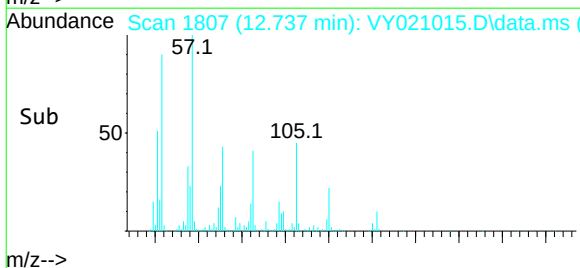
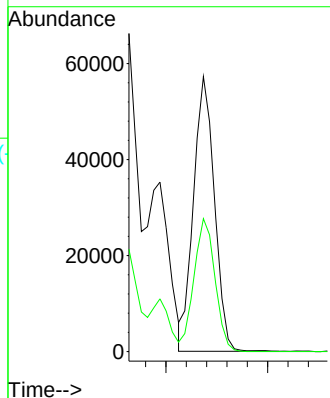
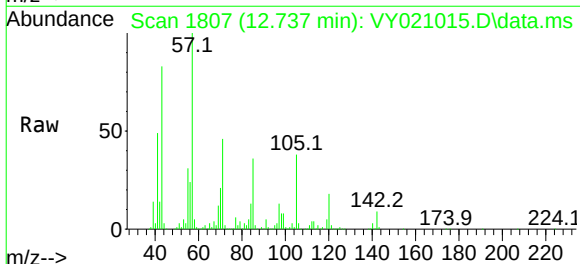
Acq: 31 Jan 2025 17:17

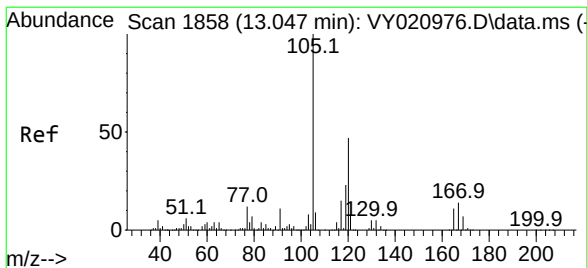
Tgt Ion:105 Resp: 81842

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.9





#84

1,2,4-Trimethylbenzene

Concen: 37.288 ug/l

RT: 13.048 min Scan# 18

Delta R.T. 0.000 min

Lab File: VY021015.D

Acq: 31 Jan 2025 17:17

Instrument :

MSVOA_Y

ClientSampleId :

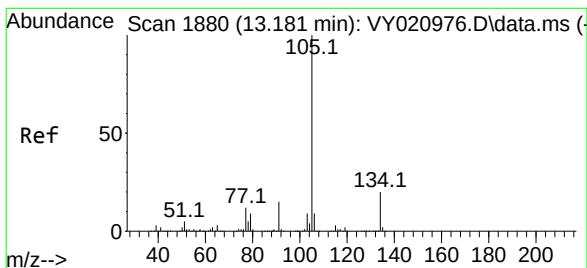
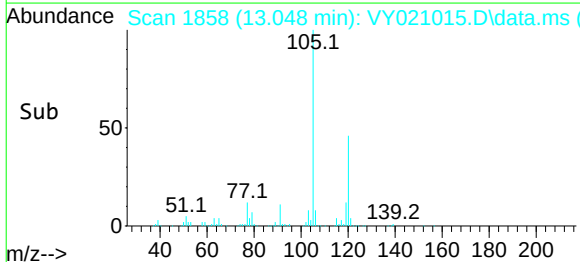
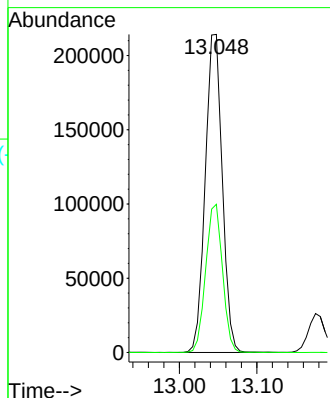
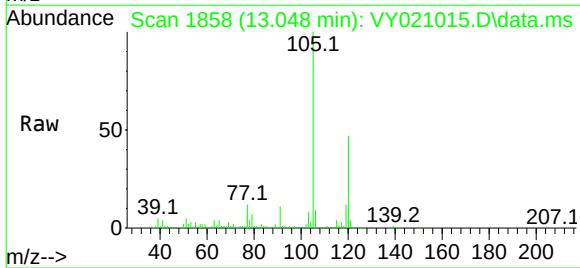
EO-02-01302025

Tgt Ion:105 Resp: 327152

Ion Ratio Lower Upper

105 100

120 46.0 22.7 68.0



#85

sec-Butylbenzene

Concen: 3.303 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY021015.D

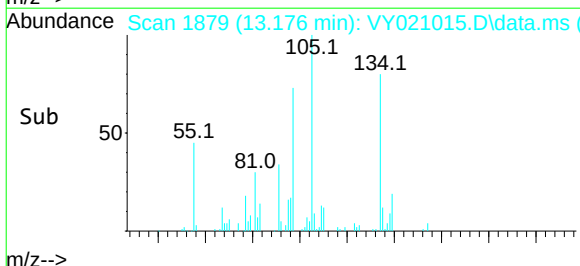
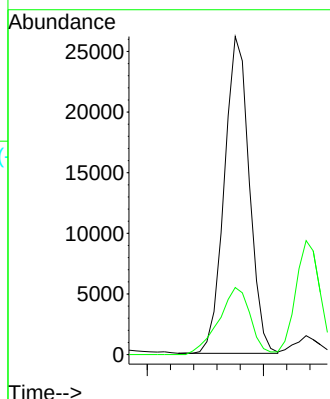
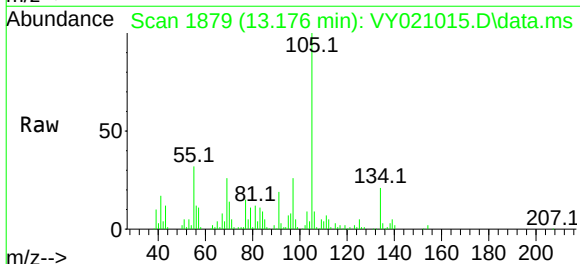
Acq: 31 Jan 2025 17:17

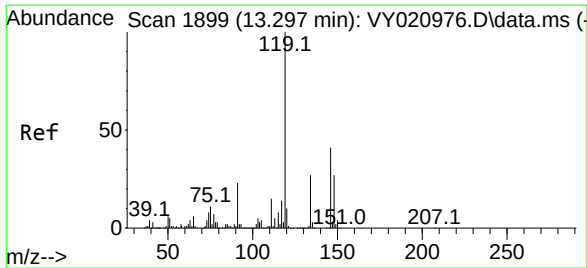
Tgt Ion:105 Resp: 38953

Ion Ratio Lower Upper

105 100

134 26.7 10.3 30.8

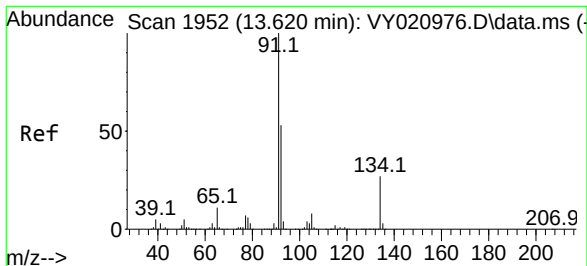
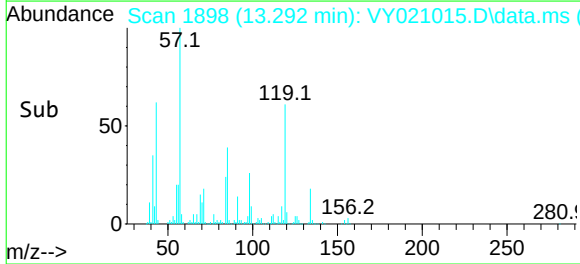
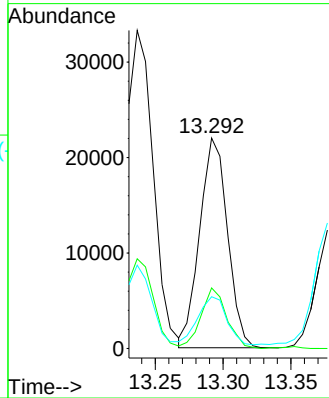
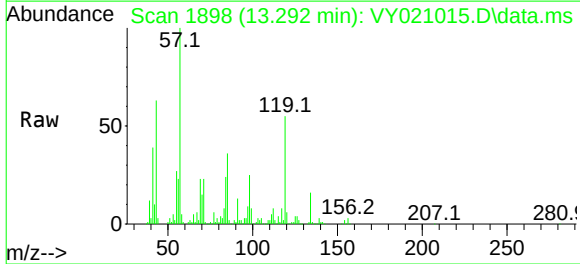




#86
p-Isopropyltoluene
Concen: 3.163 ug/l
RT: 13.292 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VY021015.D
Acq: 31 Jan 2025 17:17

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-01302025

Tgt Ion:	119	Resp:	31352
Ion Ratio	Lower	Upper	
119	100		
134	26.7	13.1	39.3
91	23.9	11.5	34.5



#89
n-Butylbenzene
Concen: 3.662 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VY021015.D
Acq: 31 Jan 2025 17:17

Tgt Ion:	91	Resp:	32511
Ion Ratio	Lower	Upper	
91	100		
92	66.8	26.7	80.1
134	0.0	13.7	41.1#

