

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110824\
 Data File : VY020225.D
 Acq On : 08 Nov 2024 12:05
 Operator : SY/MD
 Sample : P4734-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-11062024

Quant Time: Nov 08 13:15:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

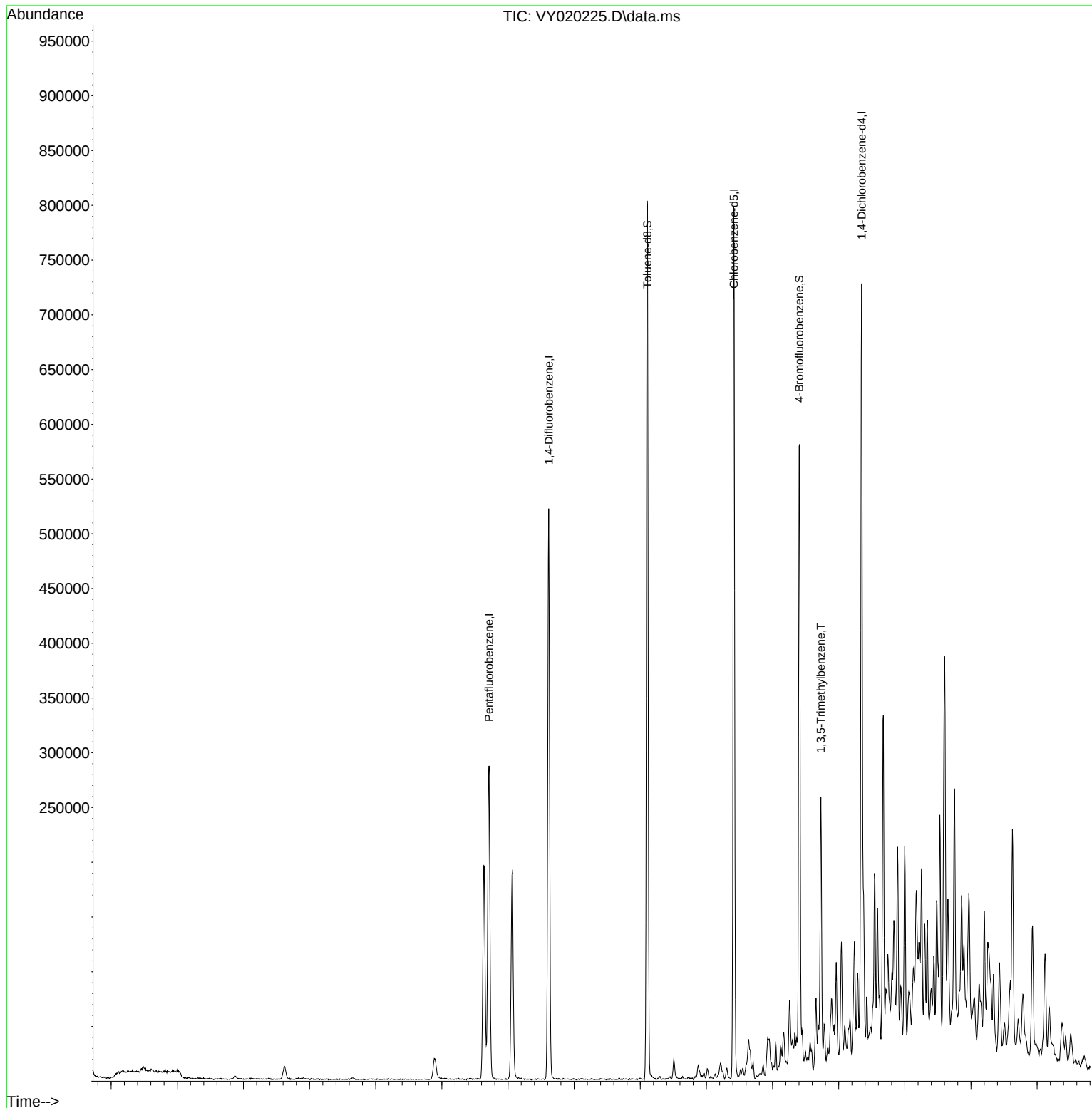
Internal Standards						
1) Pentafluorobenzene	7.713	168	198725	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	405471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148865	60.021	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.040%	
35) Dibromofluoromethane	7.634	113	137250	53.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.480%	
50) Toluene-d8	10.109	98	506401	49.349	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.700%	
62) 4-Bromofluorobenzene	12.402	95	165821	49.750	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 99.500%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	5558	9.636	ug/l	92
20) Methylene Chloride	4.616	84	8382	3.235	ug/l #	71
80) 1,3,5-Trimethylbenzene	12.731	105	37379	4.052	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	50367	5.513	ug/l	97
86) p-Isopropyltoluene	13.292	119	10587	1.065	ug/l	97
89) n-Butylbenzene	13.615	91	14284	1.434	ug/l #	69

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

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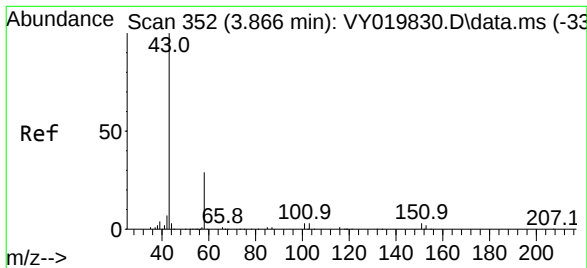
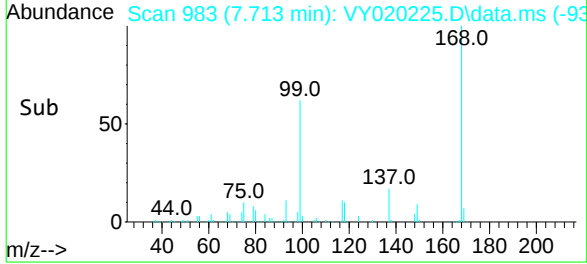
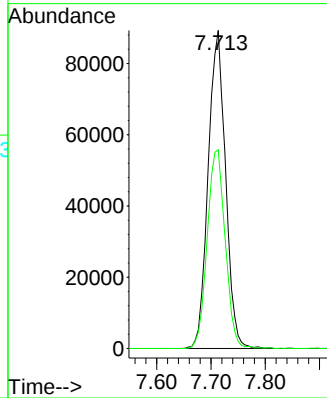
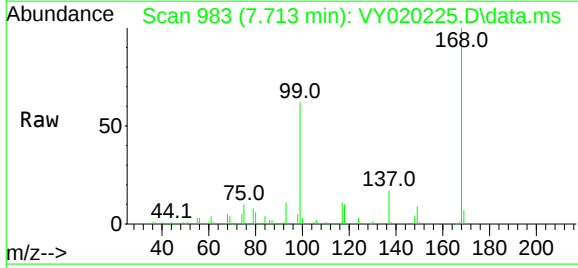




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020225.D
Acq: 08 Nov 2024 12:05

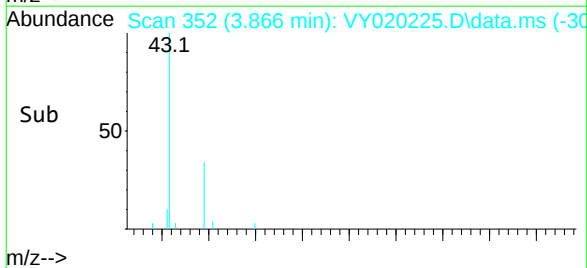
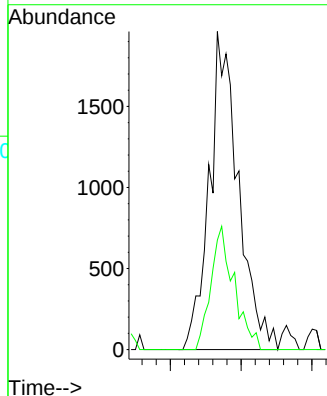
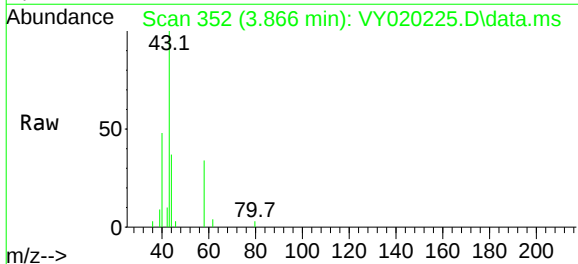
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

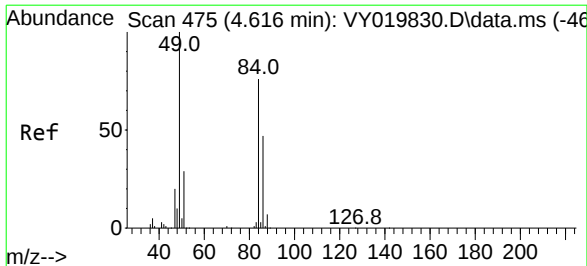
Tgt Ion: 168 Resp: 198725
Ion Ratio Lower Upper
168 100
99 62.5 39.1 58.7#



#16
Acetone
Concen: 9.636 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY020225.D
Acq: 08 Nov 2024 12:05

Tgt Ion: 43 Resp: 5558
Ion Ratio Lower Upper
43 100
58 34.4 31.7 47.5

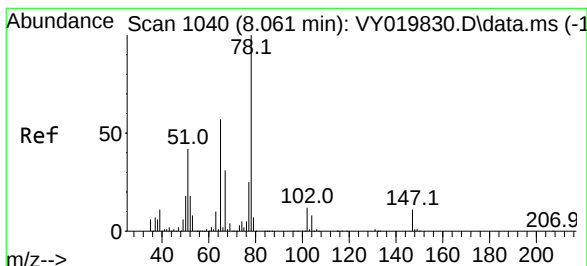
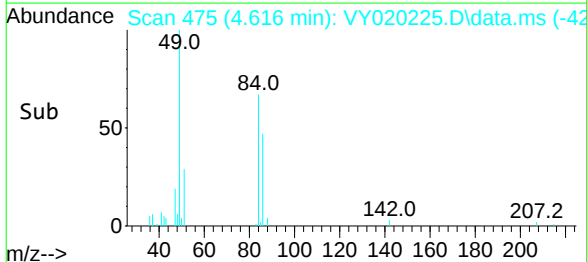
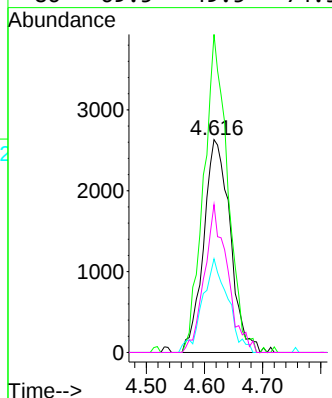
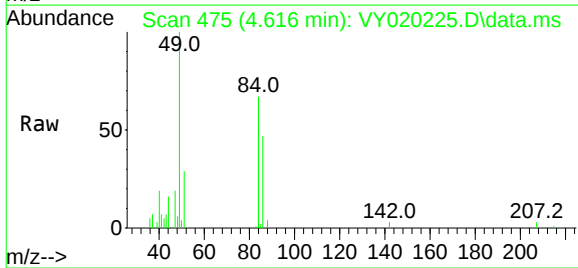




#20
Methylene Chloride
Concen: 3.235 ug/l
RT: 4.616 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY020225.D
Acq: 08 Nov 2024 12:05

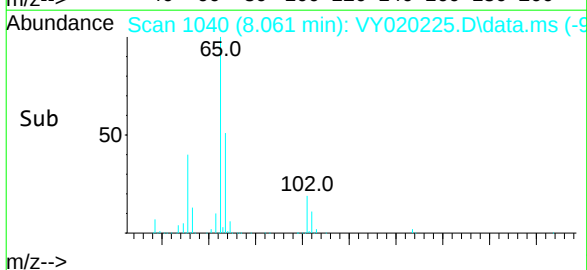
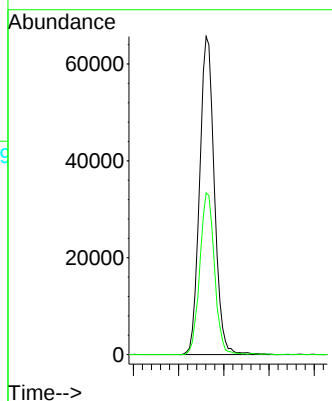
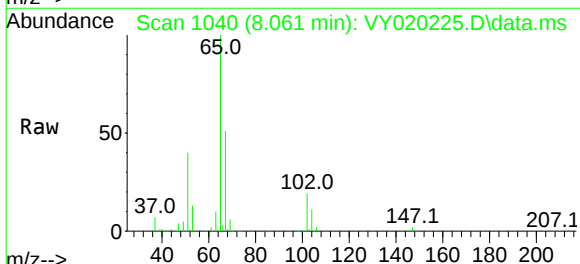
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

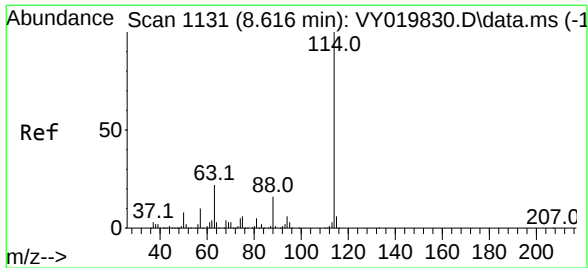
Tgt Ion:	84	Resp:	8382
Ion	Ratio	Lower	Upper
84	100		
49	149.4	84.4	126.6#
51	44.0	26.0	39.0#
86	69.5	49.5	74.3



#33
1,2-Dichloroethane-d4
Concen: 60.021 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020225.D
Acq: 08 Nov 2024 12:05

Tgt Ion:	65	Resp:	148865
Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	109.6

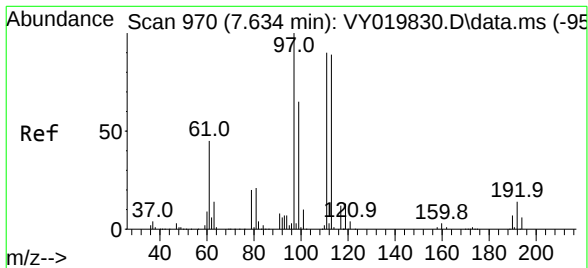
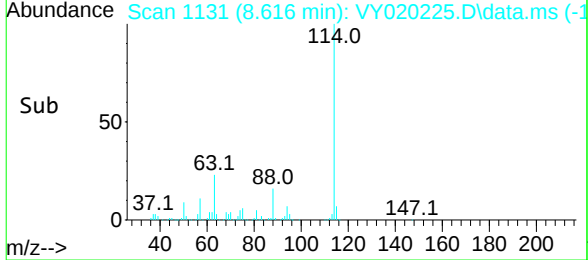
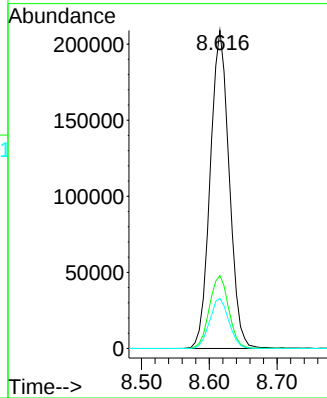
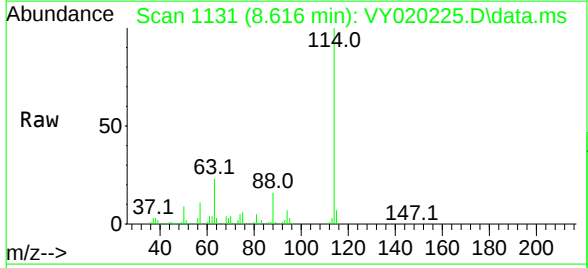




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020225.D
Acq: 08 Nov 2024 12:05

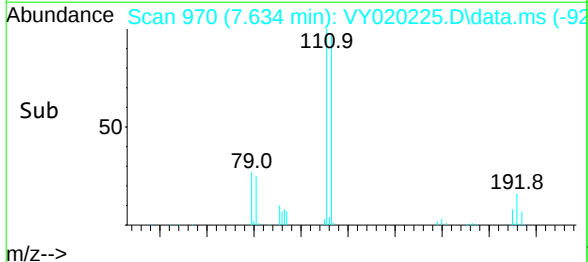
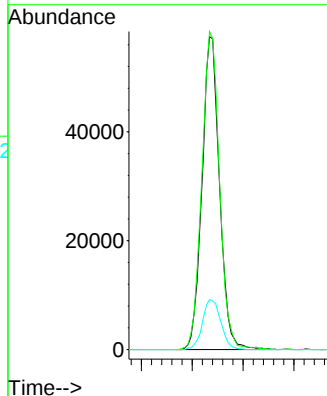
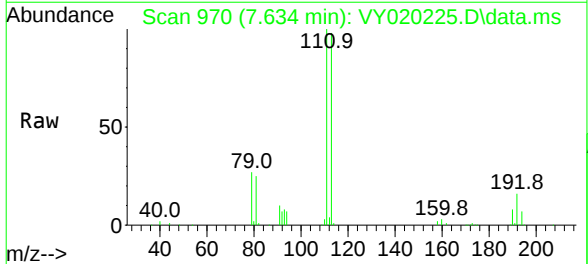
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

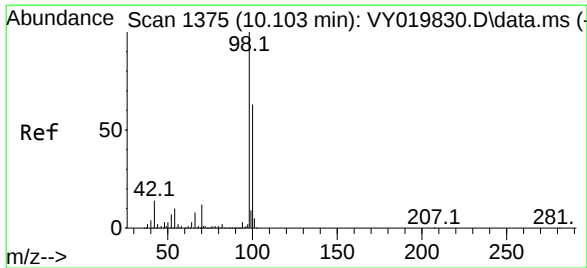
Tgt Ion:114 Resp: 405471
Ion Ratio Lower Upper
114 100
63 22.9 0.0 35.0
88 15.7 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.240 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020225.D
Acq: 08 Nov 2024 12:05

Tgt Ion:113 Resp: 137250
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 16.7 15.9 23.9





#50

Toluene-d8

Concen: 49.349 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY020225.D

Acq: 08 Nov 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

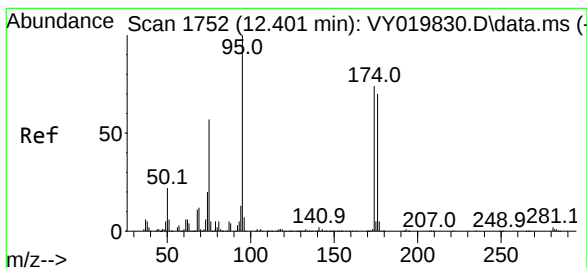
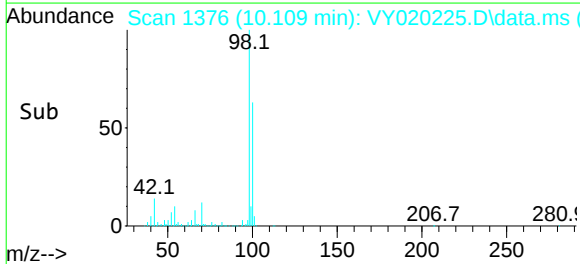
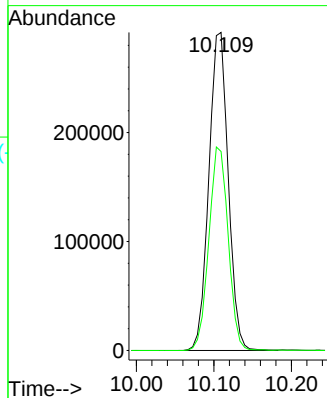
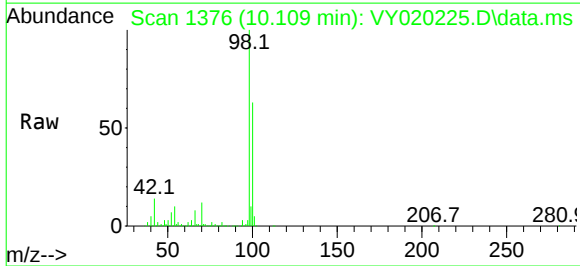
EO-03-11062024

Tgt Ion: 98 Resp: 506401

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 49.750 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY020225.D

Acq: 08 Nov 2024 12:05

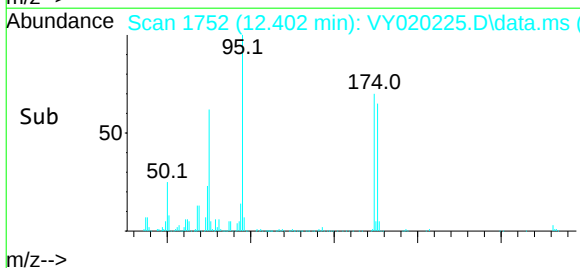
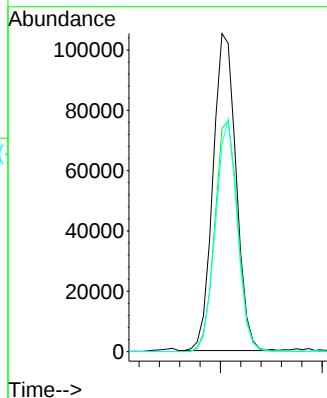
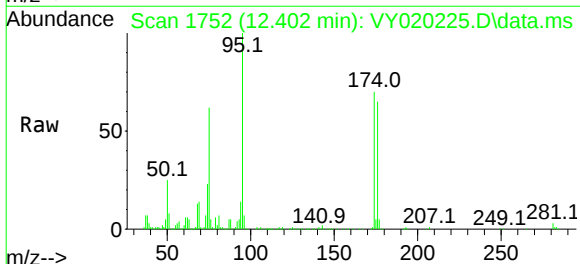
Tgt Ion: 95 Resp: 165821

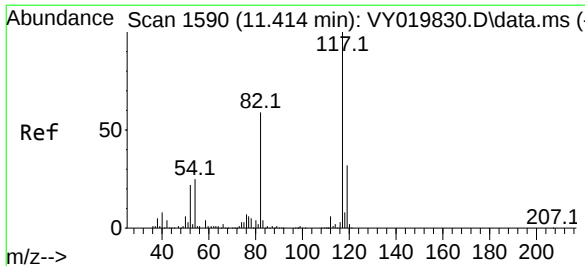
Ion Ratio Lower Upper

95 100

174 72.8 0.0 175.6

176 69.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY020225.D

Acq: 08 Nov 2024 12:05

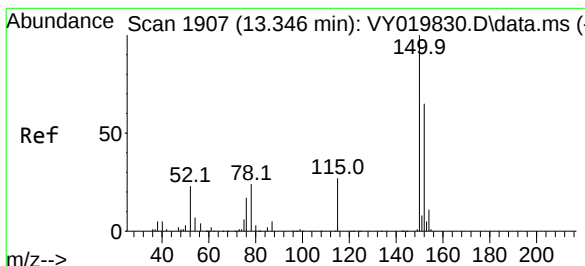
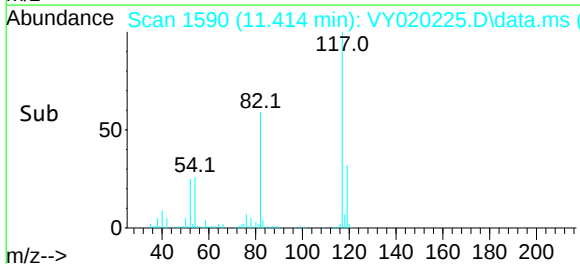
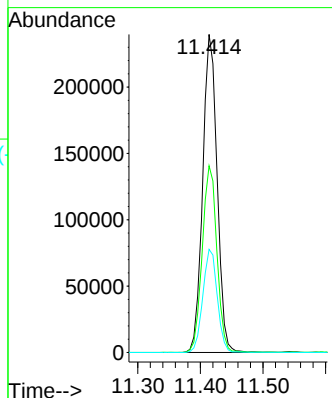
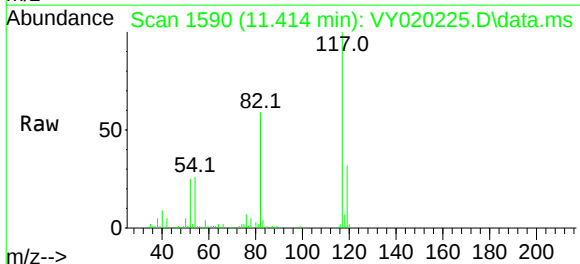
Instrument :

MSVOA_Y

ClientSampleId :

EO-03-11062024

Tgt Ion:	117	Resp:	383399
Ion	Ratio	Lower	Upper
117	100		
82	58.7	42.4	63.6
119	32.4	25.9	38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

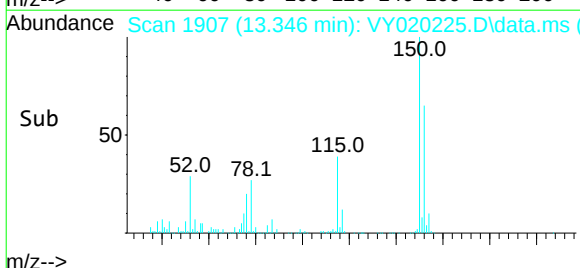
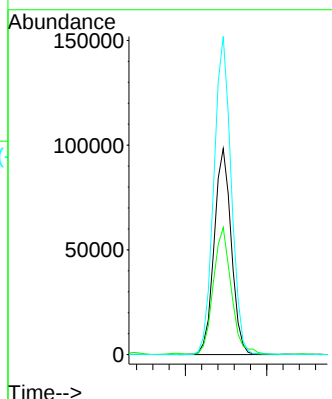
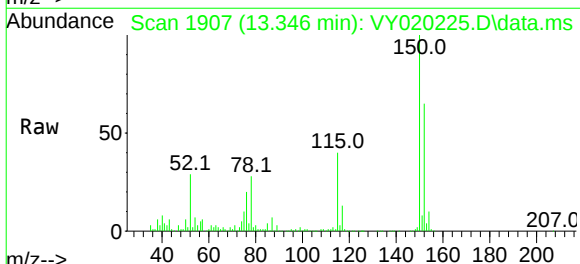
RT: 13.346 min Scan# 1907

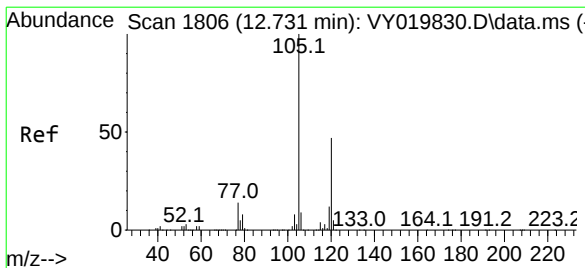
Delta R.T. 0.000 min

Lab File: VY020225.D

Acq: 08 Nov 2024 12:05

Tgt Ion:	152	Resp:	143825
Ion	Ratio	Lower	Upper
152	100		
115	64.5	28.2	84.7
150	156.7	0.0	345.6





#80

1,3,5-Trimethylbenzene

Concen: 4.052 ug/l

RT: 12.731 min Scan# 1806

Delta R.T. -0.006 min

Lab File: VY020225.D

Acq: 08 Nov 2024 12:05

Instrument :

MSVOA_Y

ClientSampleId :

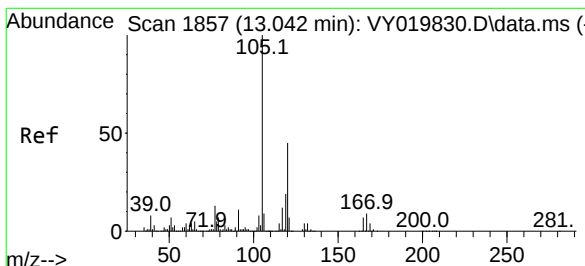
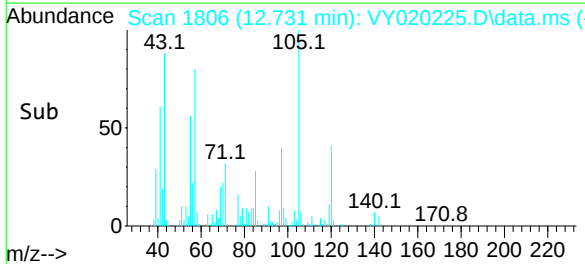
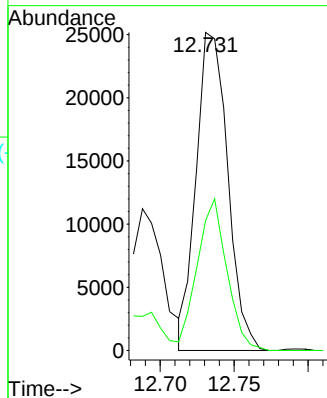
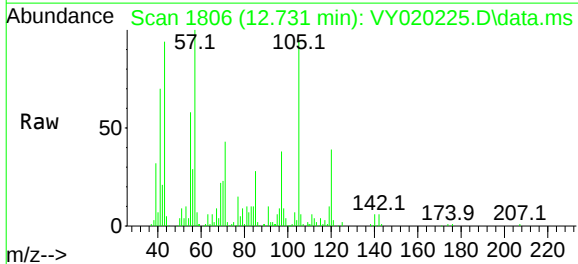
EO-03-11062024

Tgt Ion:105 Resp: 37379

Ion Ratio Lower Upper

105 100

120 44.7 25.1 75.2



#84

1,2,4-Trimethylbenzene

Concen: 5.513 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020225.D

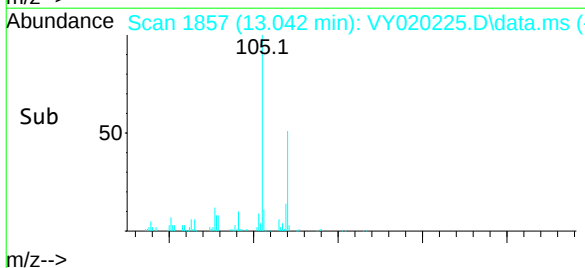
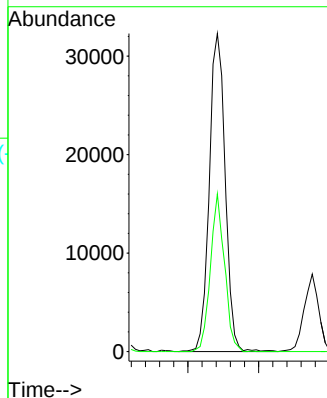
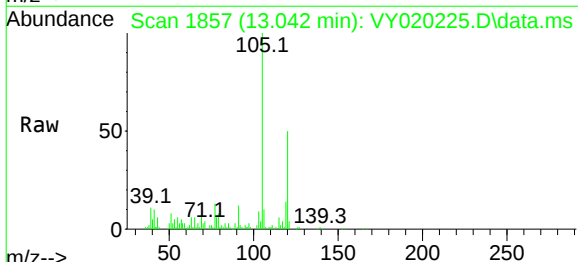
Acq: 08 Nov 2024 12:05

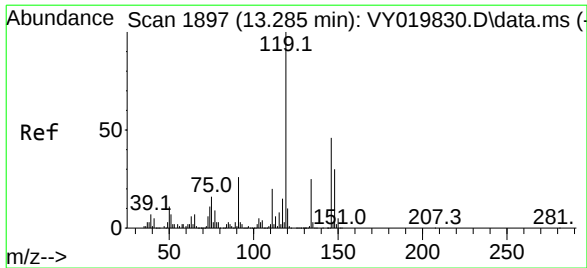
Tgt Ion:105 Resp: 50367

Ion Ratio Lower Upper

105 100

120 44.1 23.2 69.6





#86

p-Isopropyltoluene

Concen: 1.065 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020225.D

Acq: 08 Nov 2024 12:05

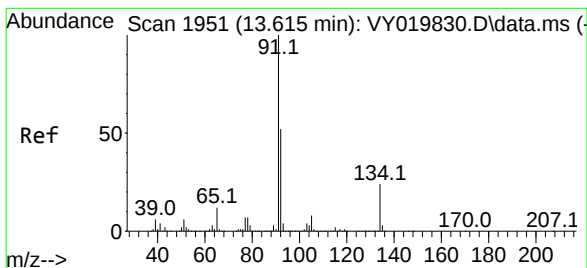
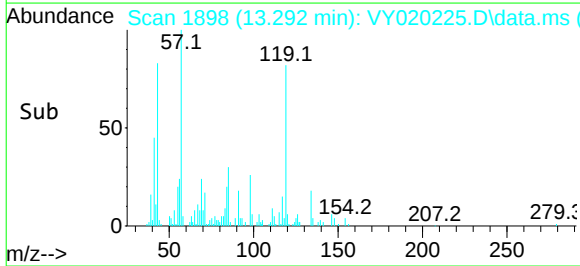
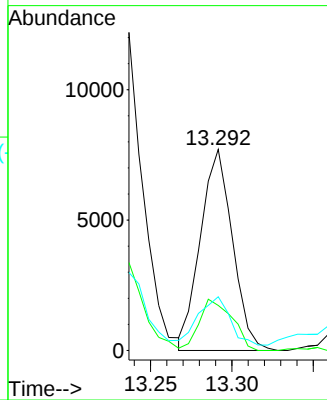
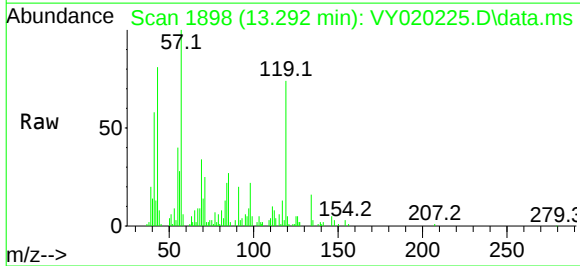
Instrument :

MSVOA_Y

ClientSampleId :

EO-03-11062024

Tgt Ion:	119	Resp:	10587
Ion Ratio	Lower	Upper	
119	100		
134	26.1	13.1	39.3
91	24.1	10.7	32.1



#89

n-Butylbenzene

Concen: 1.434 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY020225.D

Acq: 08 Nov 2024 12:05

Tgt Ion:	91	Resp:	14284
Ion Ratio	Lower	Upper	
91	100		
92	67.8	26.6	79.7
134	0.0	12.9	38.7

