

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014222.D
 Acq On : 16 Jun 2023 22:39
 Operator : KP/MD
 Sample : 03224-06RE
 Misc : 7.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-01/02-GRAB-5B1RE

Quant Time: Jun 16 23:29:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

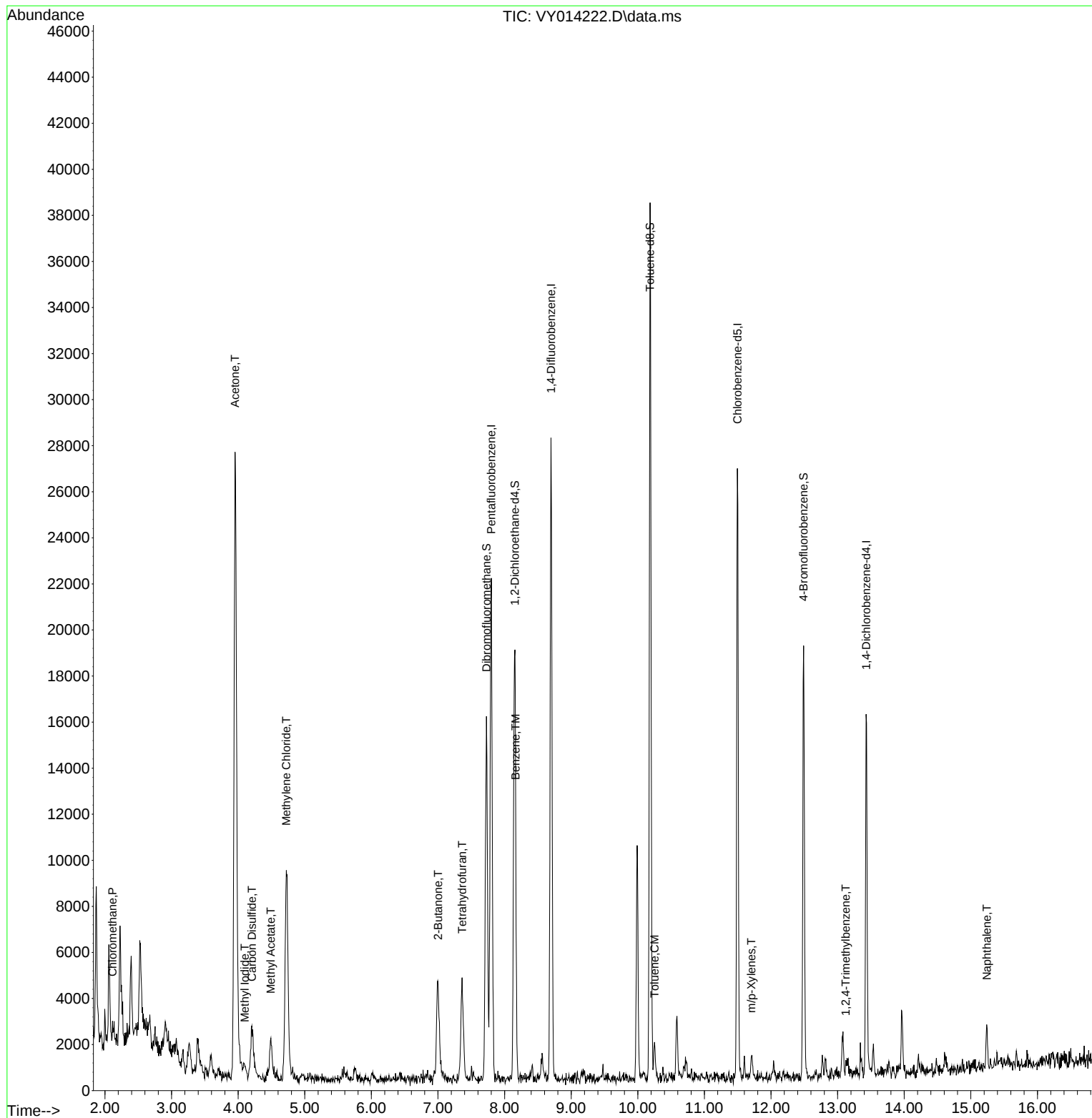
Internal Standards						
1) Pentafluorobenzene	7.801	168	17198	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	23133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	14718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	15809	66.013	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.020%	
35) Dibromofluoromethane	7.728	113	10568	64.418	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.840%	
50) Toluene-d8	10.185	98	25293	41.239	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 82.480%	
62) 4-Bromofluorobenzene	12.489	95	4561	20.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 41.860%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	890	3.662	ug/l	98
10) Methyl Iodide	4.100	142	734	2.869	ug/l #	90
16) Acetone	3.954	43	47346	655.869	ug/l	95
17) Carbon Disulfide	4.204	76	3058	4.806	ug/l #	85
18) Methyl Acetate	4.491	43	3250	11.599	ug/l	97
20) Methylene Chloride	4.722	84	6622	27.091	ug/l #	88
25) 2-Butanone	7.002	43	6667	75.028	ug/l	91
29) Tetrahydrofuran	7.362	42	3135	55.637	ug/l	96
40) Benzene	8.167	78	909	1.195	ug/l #	82
52) Toluene	10.252	92	770	1.633	ug/l	80
68) m/p-Xylenes	11.703	106	309	1.298	ug/l	85
84) 1,2,4-Trimethylbenzene	13.123	105	758	2.568	ug/l #	60
95) Naphthalene	15.239	128	1931	9.568	ug/l	96

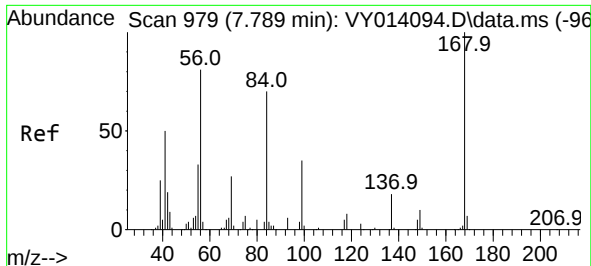
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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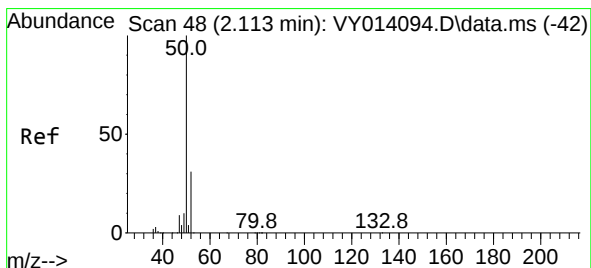
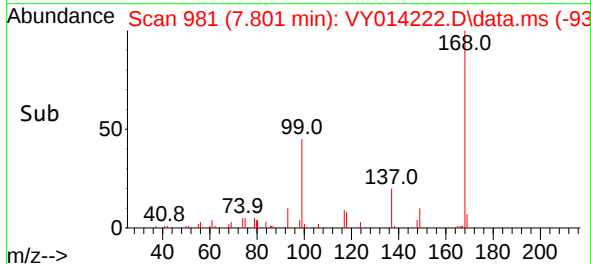
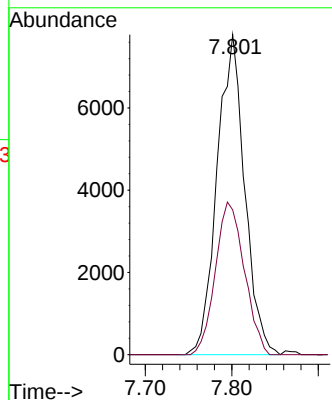
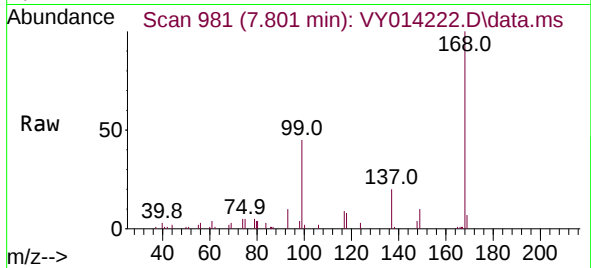




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

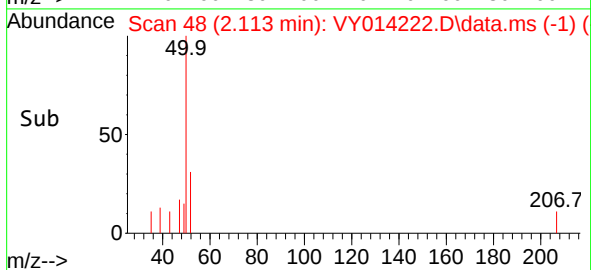
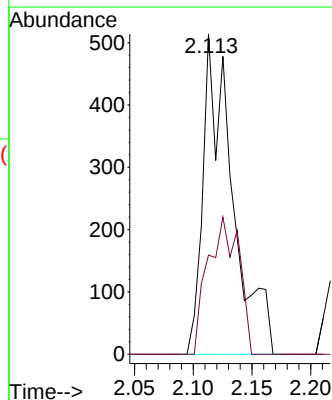
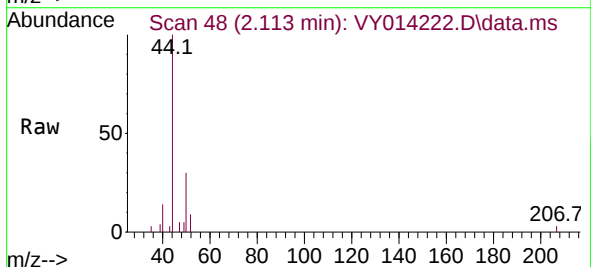
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B1RE

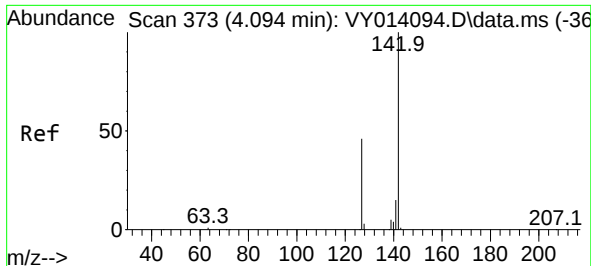
Tgt Ion:168 Resp: 17198
Ion Ratio Lower Upper
168 100
99 45.2 43.4 65.0



#3
Chloromethane
Concen: 3.662 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Tgt Ion: 50 Resp: 890
Ion Ratio Lower Upper
50 100
52 30.9 25.4 38.2

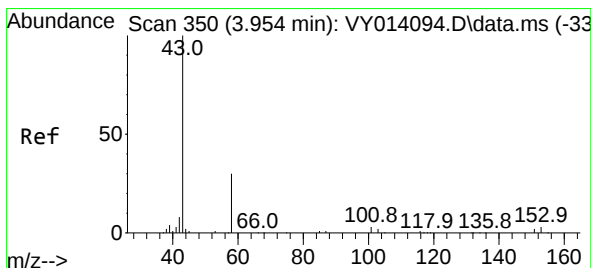
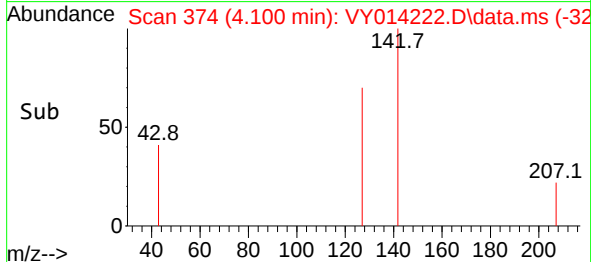
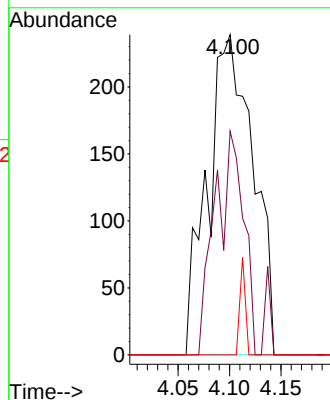
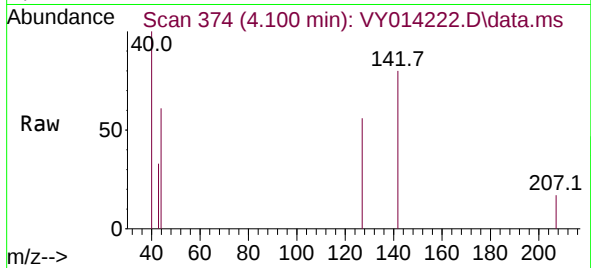




#10
Methyl Iodide
Concen: 2.869 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

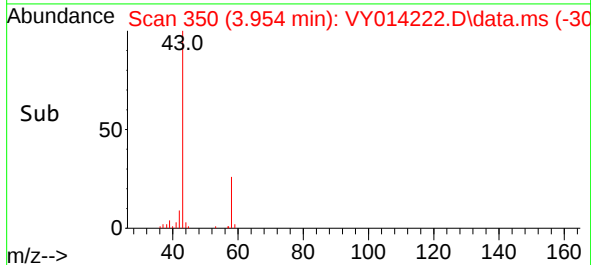
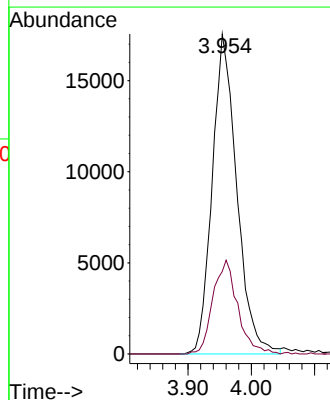
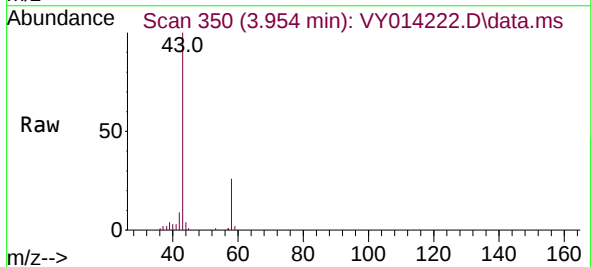
Instrument :
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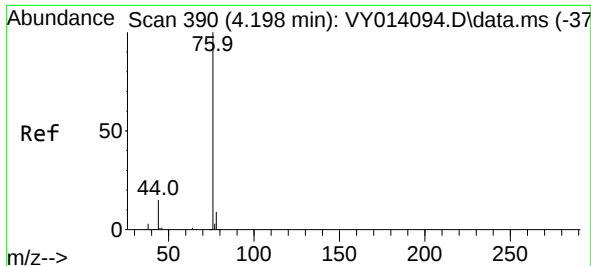
Tgt Ion:142 Resp: 734
Ion Ratio Lower Upper
142 100
127 43.9 37.6 56.4
141 3.7 11.8 17.8#



#16
Acetone
Concen: 655.869 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Tgt Ion: 43 Resp: 47346
Ion Ratio Lower Upper
43 100
58 25.8 22.7 34.1

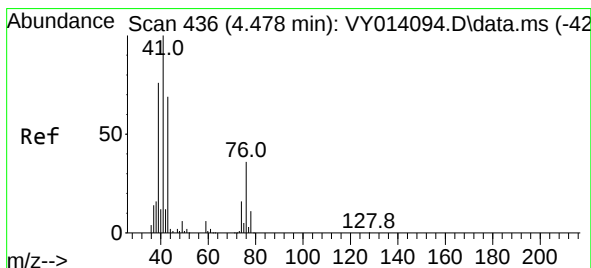
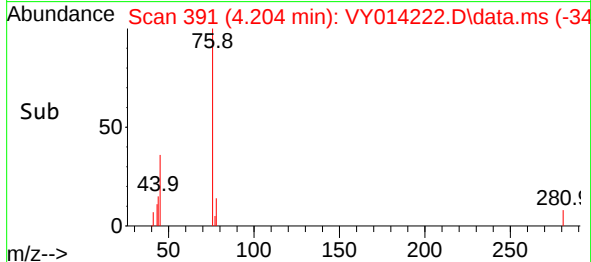
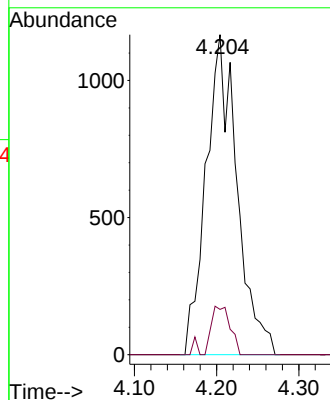
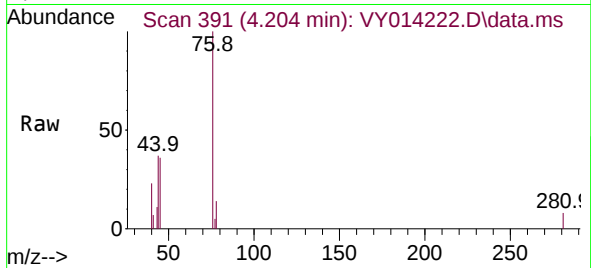




#17
Carbon Disulfide
Concen: 4.806 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

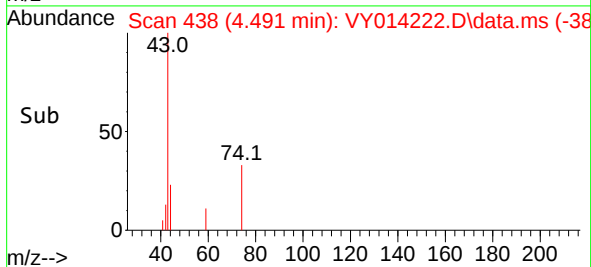
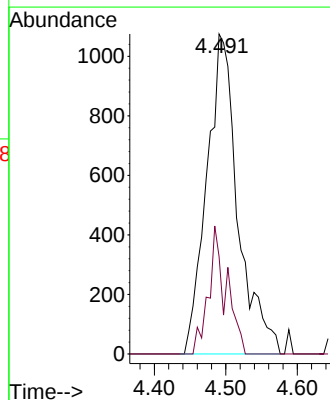
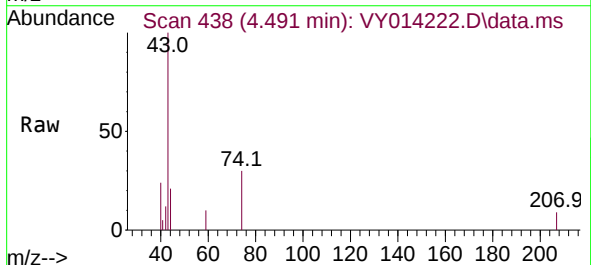
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B1RE

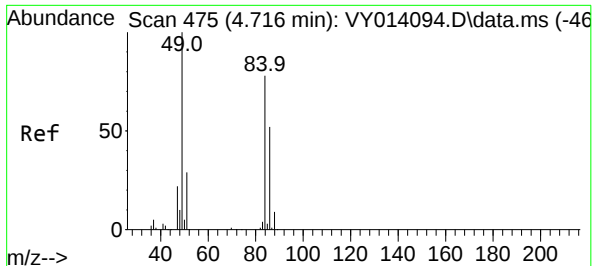
Tgt Ion: 76 Resp: 3058
Ion Ratio Lower Upper
76 100
78 14.1 7.0 10.4#



#18
Methyl Acetate
Concen: 11.599 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.013 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

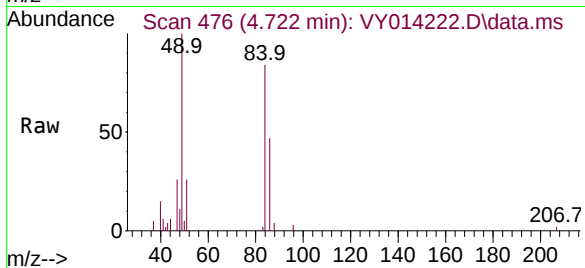
Tgt Ion: 43 Resp: 3250
Ion Ratio Lower Upper
43 100
74 22.9 17.4 26.0



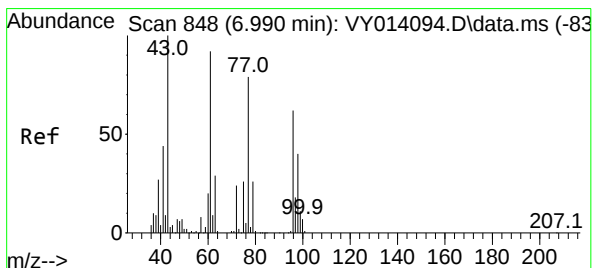
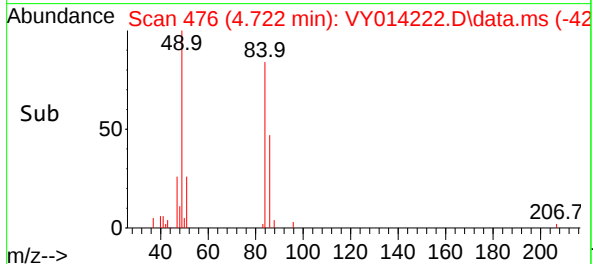
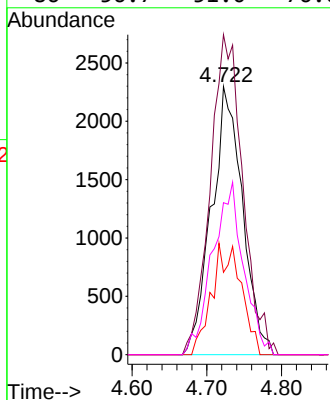


#20
Methylene Chloride
Concen: 27.091 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B1RE

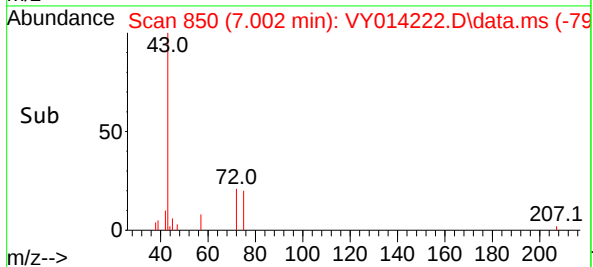
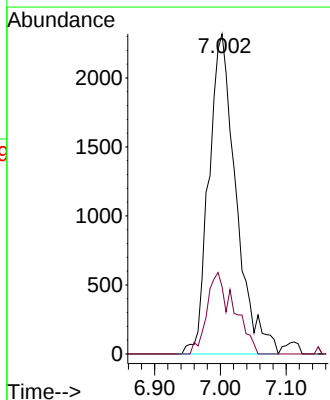
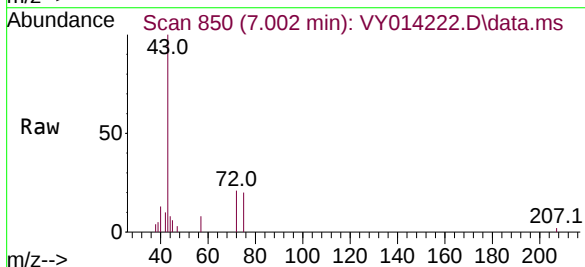


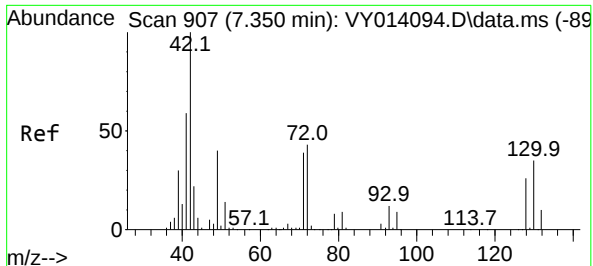
Tgt Ion: 84	Resp: 6622
Ion Ratio	Lower Upper
84 100	
49 119.3	106.9 160.3
51 30.7	33.2 49.8#
86 56.7	51.0 76.6



#25
2-Butanone
Concen: 75.028 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Tgt Ion: 43	Resp: 6667
Ion Ratio	Lower Upper
43 100	
72 21.0	20.5 30.7





#29

Tetrahydrofuran

Concen: 55.637 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY014222.D

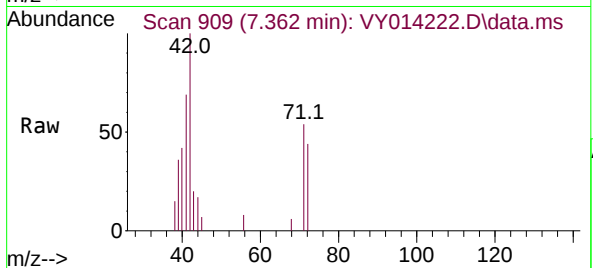
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Instrument :

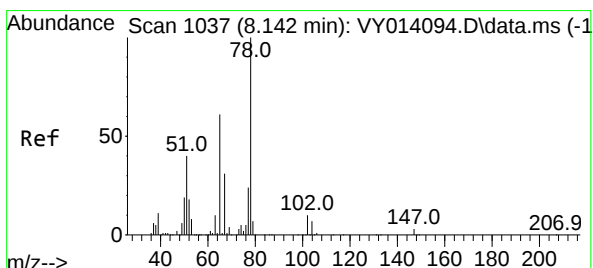
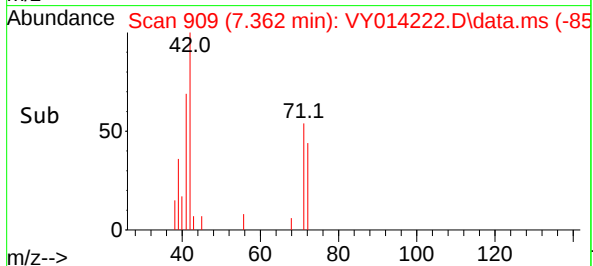
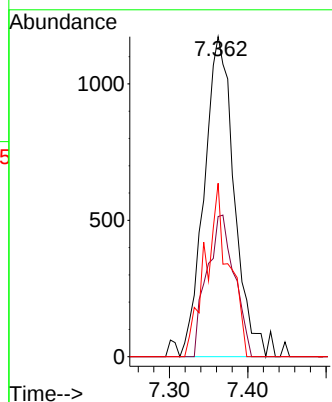
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-01/02-GRAB-5B1RE



Tgt Ion:	42	Resp:	3135
Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.8	49.2
71	42.7	31.0	46.4



#33

1,2-Dichloroethane-d4

Concen: 66.013 ug/l

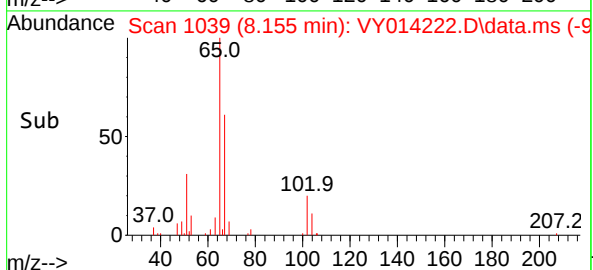
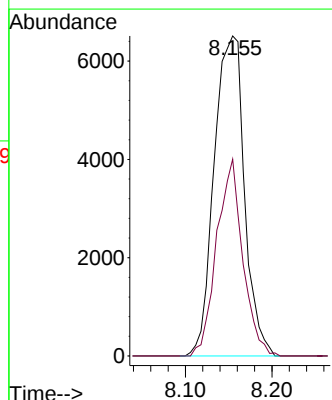
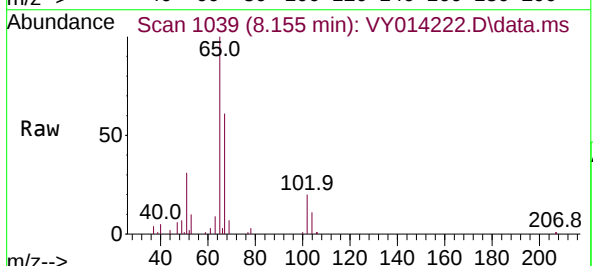
RT: 8.155 min Scan# 1039

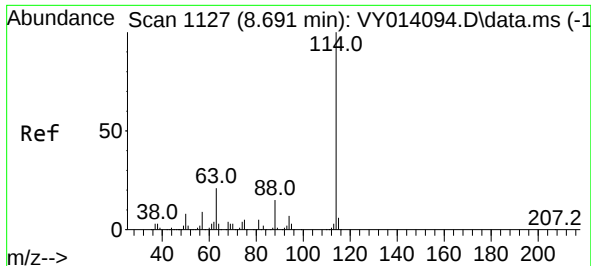
Delta R.T. 0.013 min

Lab File: VY014222.D

Acq: 16 Jun 2023 22:39

Tgt Ion:	65	Resp:	15809
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	101.8

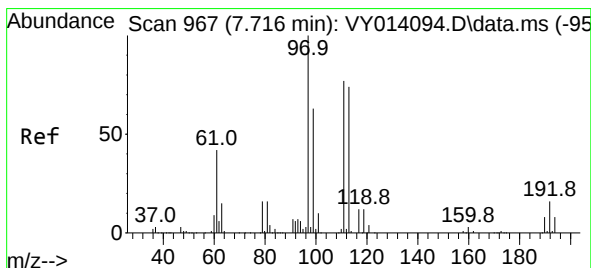
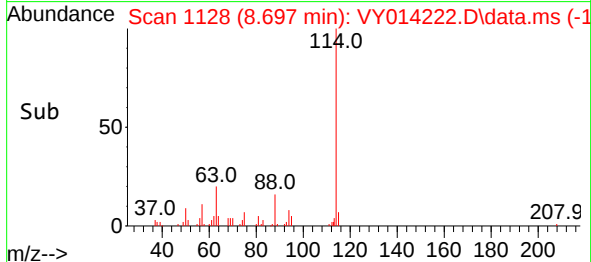
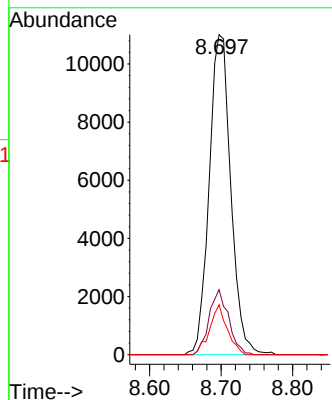
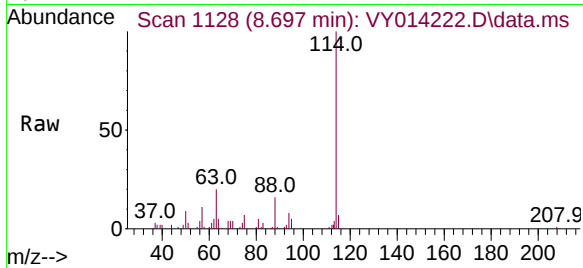




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

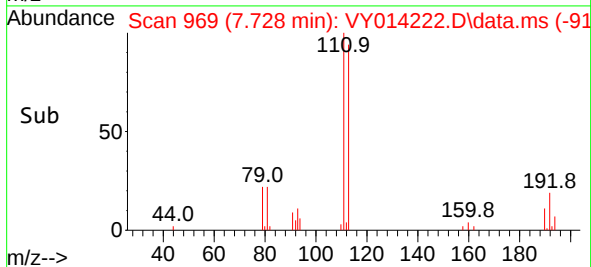
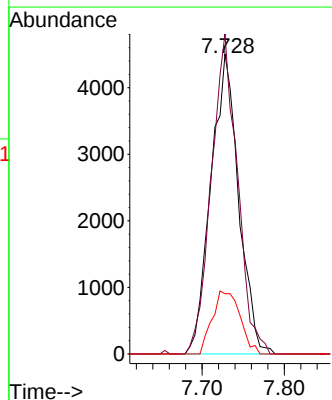
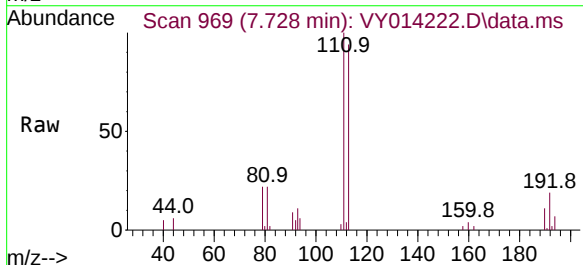
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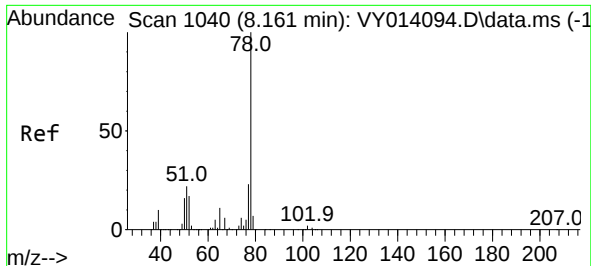
Tgt Ion:114	Resp:	23133
Ion Ratio	Lower	Upper
114	100	
63	20.3	0.0 42.4
88	15.6	0.0 30.6



#35
Dibromofluoromethane
Concen: 64.418 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Tgt Ion:113	Resp:	10568
Ion Ratio	Lower	Upper
113	100	
111	100.5	81.3 121.9
192	20.9	16.9 25.3

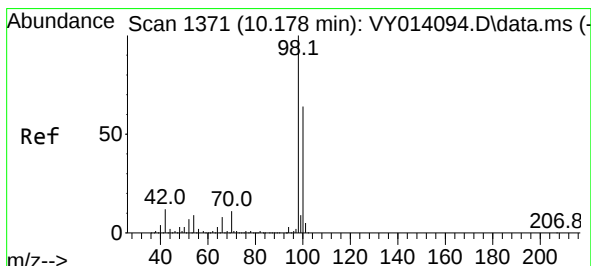
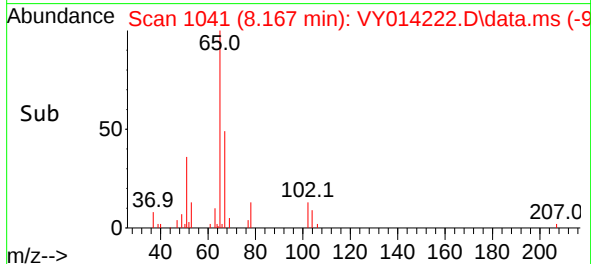
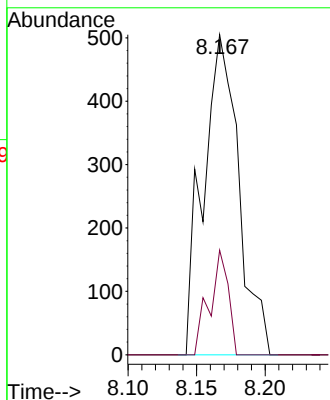
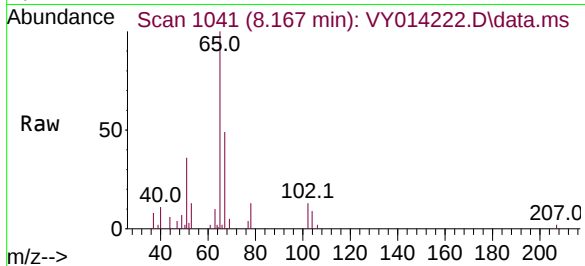




#40
Benzene
Concen: 1.195 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

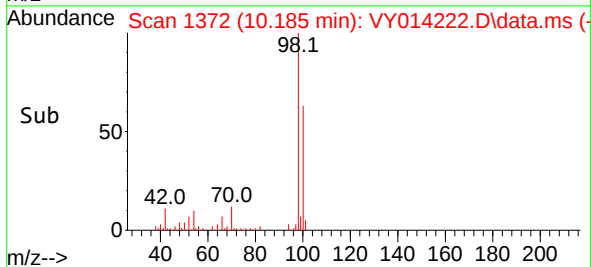
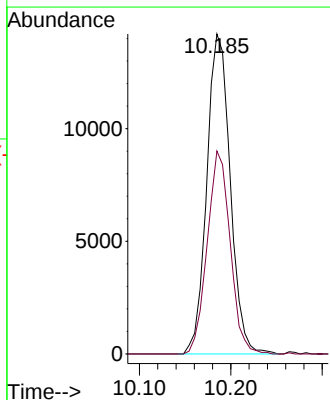
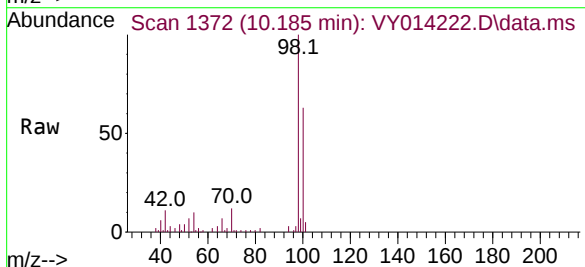
Instrument : MSVOA_Y
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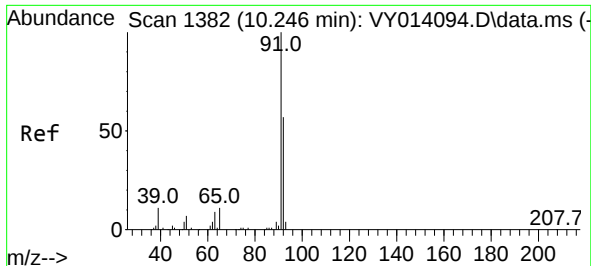
Tgt Ion: 78 Resp: 909
Ion Ratio Lower Upper
78 100
77 32.7 19.0 28.6#



#50
Toluene-d8
Concen: 41.239 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Tgt Ion: 98 Resp: 25293
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1

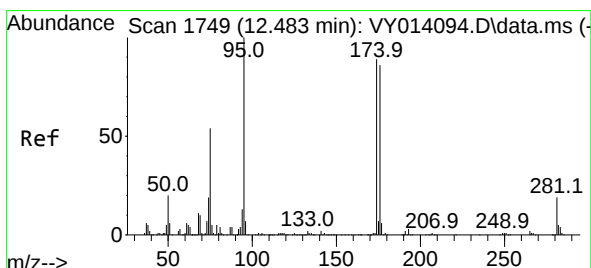
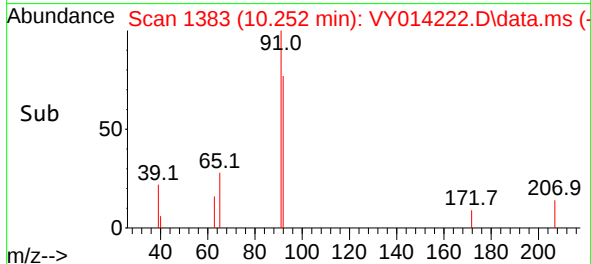
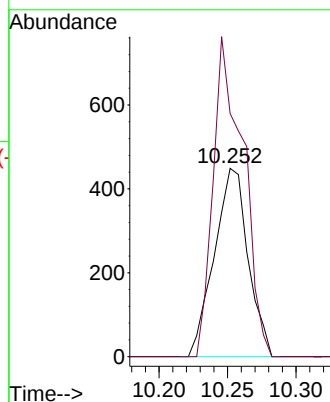
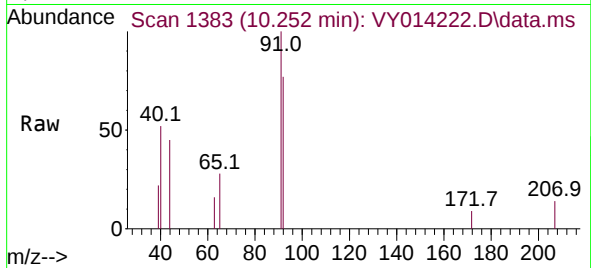




#52
Toluene
Concen: 1.633 ug/l
RT: 10.252 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

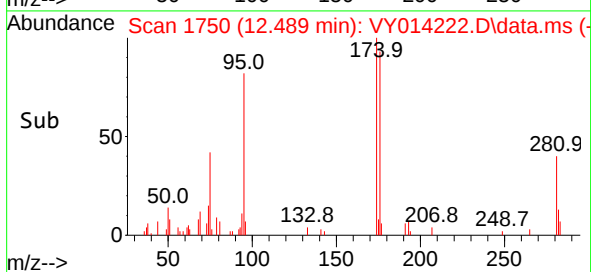
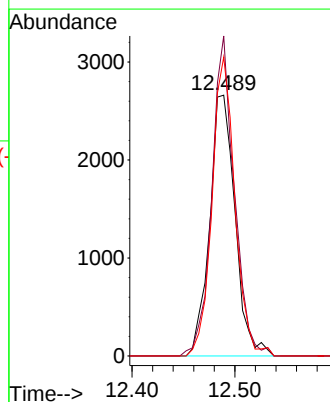
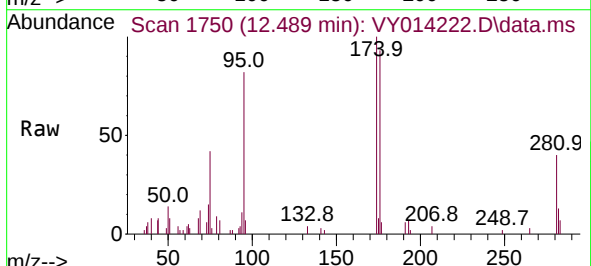
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B1RE

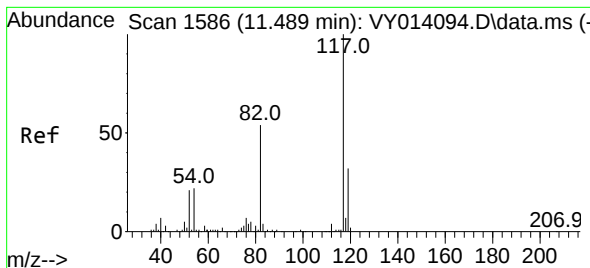
Tgt Ion: 92 Resp: 770
Ion Ratio Lower Upper
92 100
91 150.6 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 20.934 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Tgt Ion: 95 Resp: 4561
Ion Ratio Lower Upper
95 100
174 108.8 0.0 178.2
176 103.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 1170

Delta R.T. 0.006 min

Lab File: VY014222.D

Acq: 16 Jun 2023 22:39

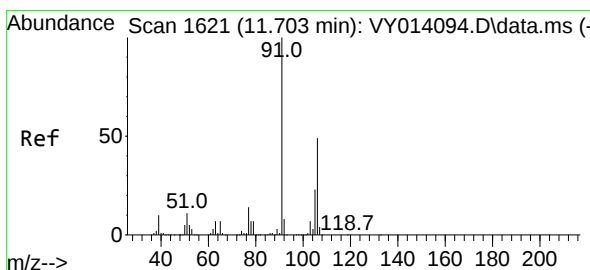
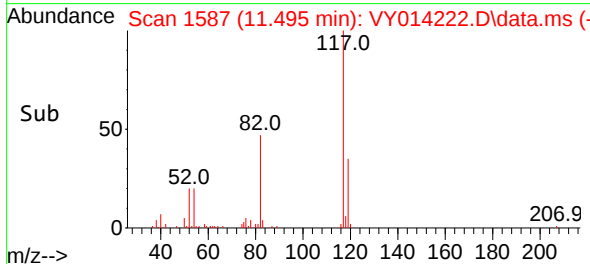
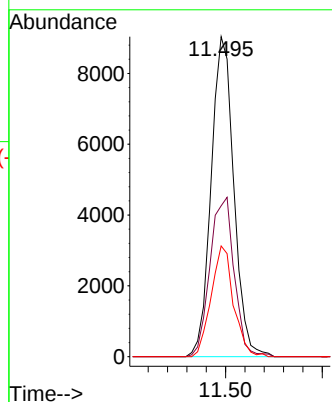
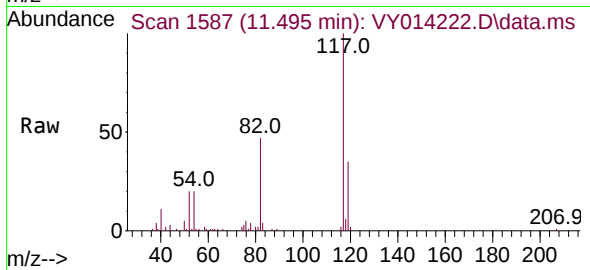
Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-01/02-GRAB-5B1RE

Tgt Ion:	117	Resp:	14718
Ion	Ratio	Lower	Upper
117	100		
82	47.2	43.4	65.0
119	34.6	26.3	39.5



#68

m/p-Xylenes

Concen: 1.298 ug/l

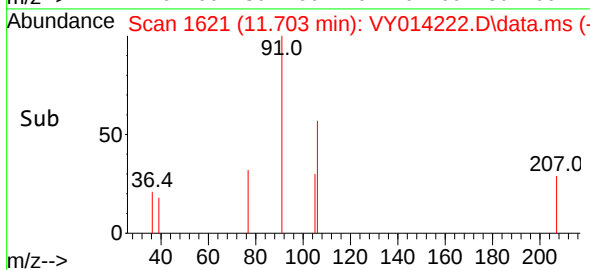
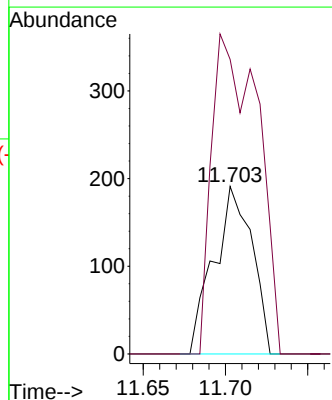
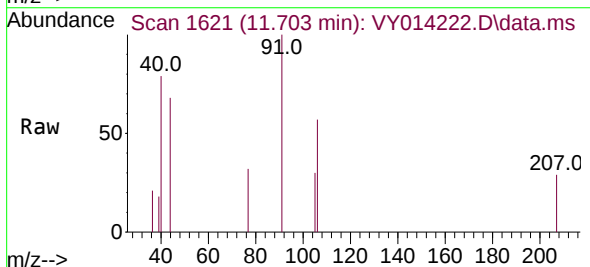
RT: 11.703 min Scan# 1621

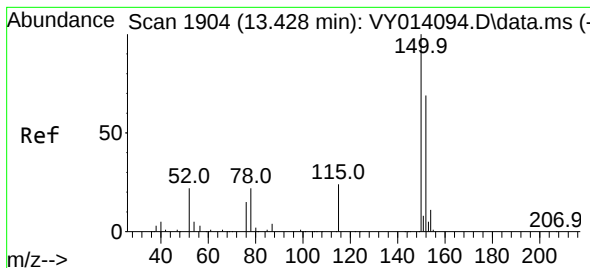
Delta R.T. -0.000 min

Lab File: VY014222.D

Acq: 16 Jun 2023 22:39

Tgt Ion:	106	Resp:	309
Ion	Ratio	Lower	Upper
106	100		
91	230.4	166.1	249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014222.D

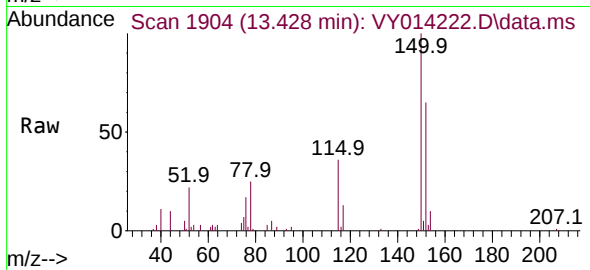
Acq: 16 Jun 2023 22:39

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-01/02-GRAB-5B1RE



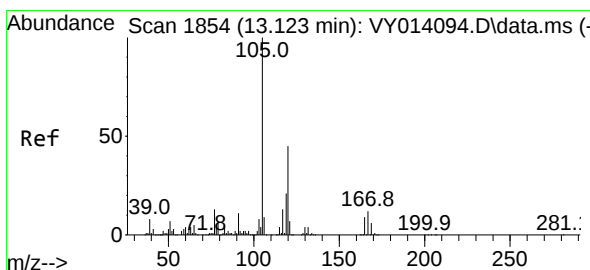
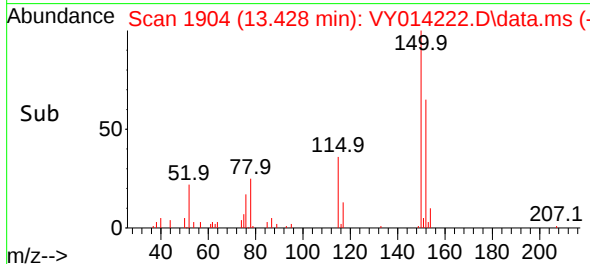
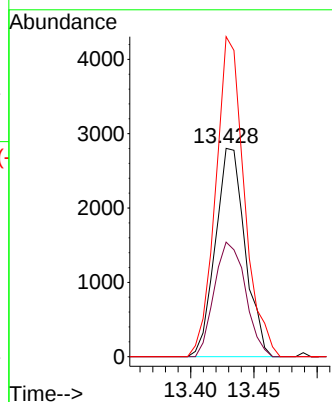
Tgt Ion:152 Resp: 4565

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 148.3 0.0 348.8



#84

1,2,4-Trimethylbenzene

Concen: 2.568 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY014222.D

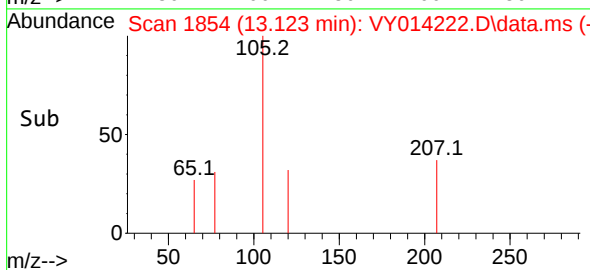
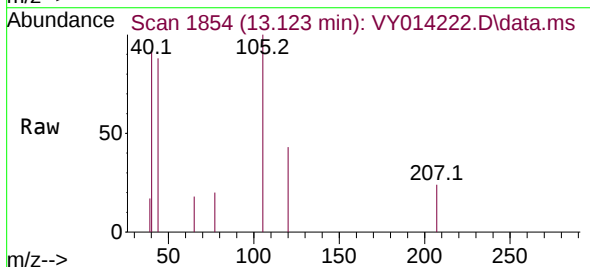
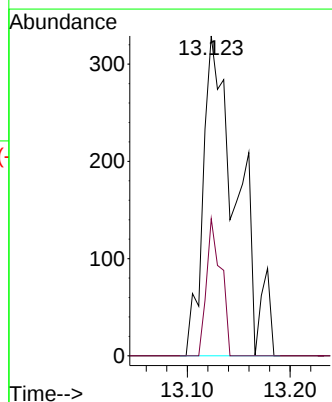
Acq: 16 Jun 2023 22:39

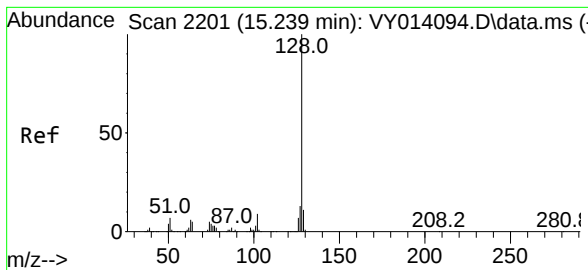
Tgt Ion:105 Resp: 758

Ion Ratio Lower Upper

105 100

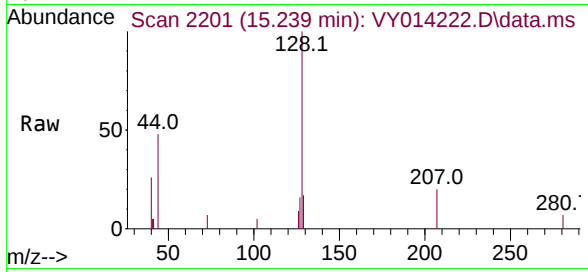
120 18.3 22.2 66.6#





#95
Naphthalene
Concen: 9.568 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014222.D
Acq: 16 Jun 2023 22:39

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-01/02-GRAB-5B1RE



Tgt Ion:	128	Resp:	1931
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.8	16.2
129	9.5	8.6	13.0

