

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014428.D
 Acq On : 26 Jun 2023 12:56
 Operator : KP/MD
 Sample : 03298-13
 Misc : 10.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TP6-07-5N-4

Quant Time: Jun 27 01:45:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

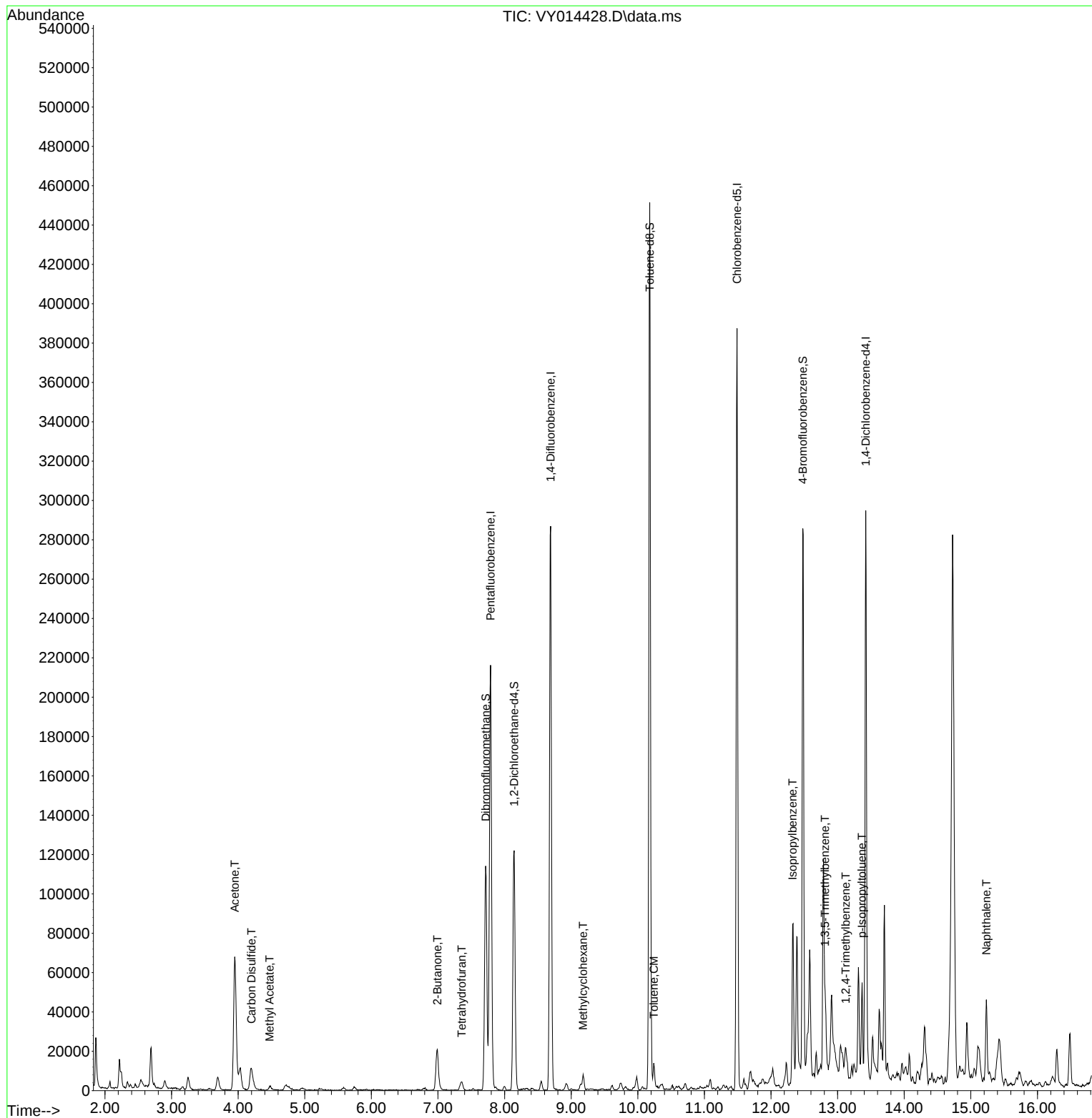
Internal Standards						
1) Pentafluorobenzene	7.789	168	166457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	108698	52.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.180%	
35) Dibromofluoromethane	7.715	113	76310	49.830	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.660%	
50) Toluene-d8	10.178	98	288369	47.371	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.740%	
62) 4-Bromofluorobenzene	12.477	95	78713	36.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.440%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	121544	186.898	ug/l	96
17) Carbon Disulfide	4.198	76	18432	3.884	ug/l	97
18) Methyl Acetate	4.472	43	3821	1.709	ug/l #	86
25) 2-Butanone	6.990	43	27853	34.387	ug/l	95
29) Tetrahydrofuran	7.356	42	2658	5.503	ug/l #	80
39) Methylcyclohexane	9.179	83	2743	1.010	ug/l	93
52) Toluene	10.239	92	4851	1.128	ug/l	95
73) Isopropylbenzene	12.324	105	44666	8.999	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	6207	1.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	8359	1.965	ug/l	94
86) p-Isopropyltoluene	13.367	119	26634	5.779	ug/l	95
95) Naphthalene	15.232	128	34582	10.895	ug/l	98

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

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Response via : Initial Calibration

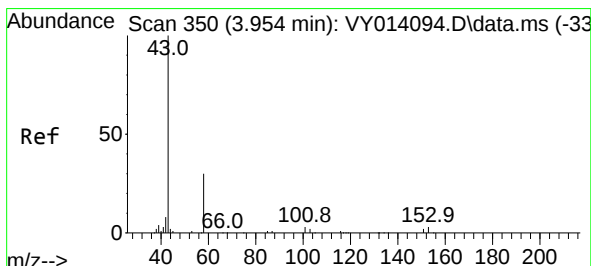
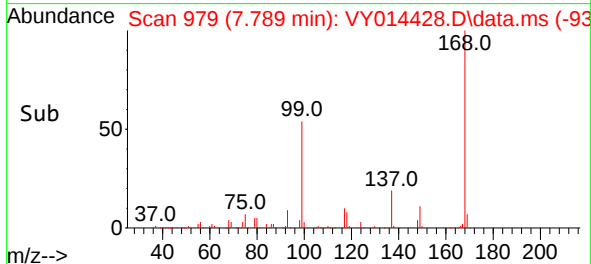
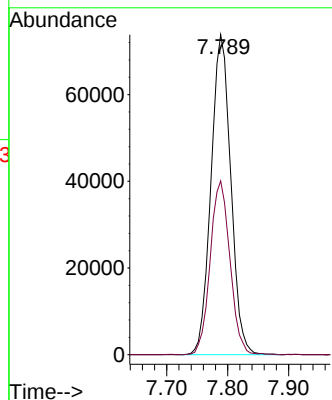
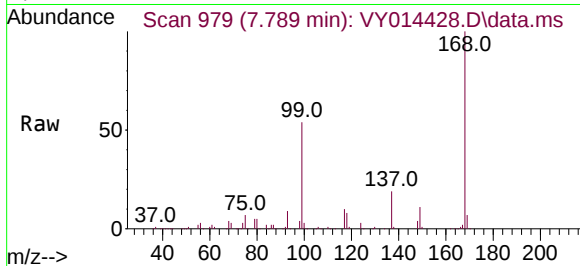




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

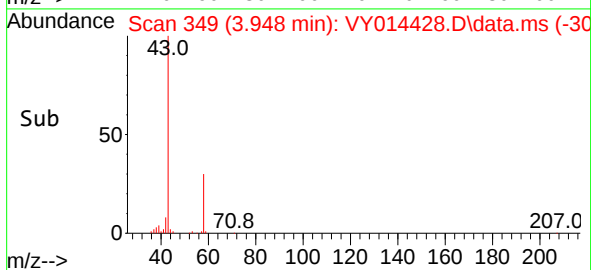
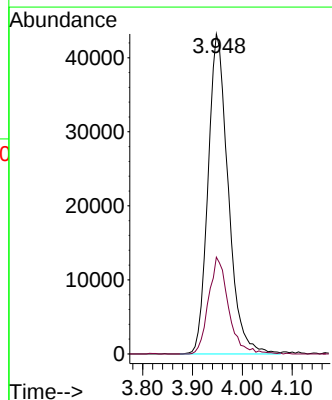
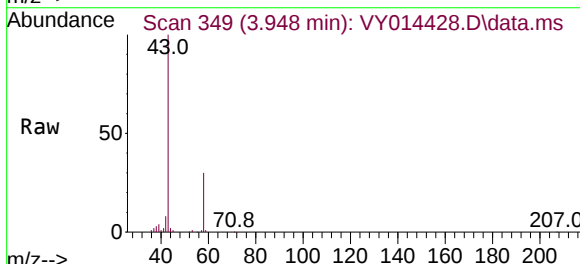
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

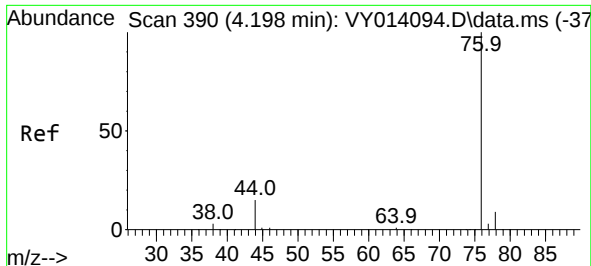
Tgt Ion:168 Resp: 166457
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#16
Acetone
Concen: 186.898 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion: 43 Resp: 121544
Ion Ratio Lower Upper
43 100
58 30.3 22.7 34.1

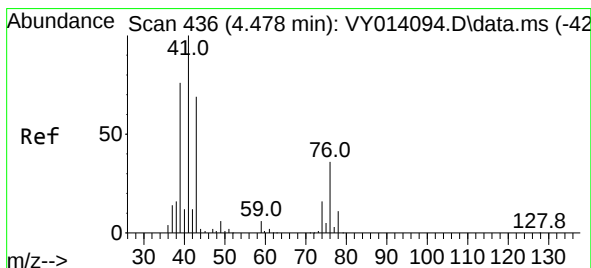
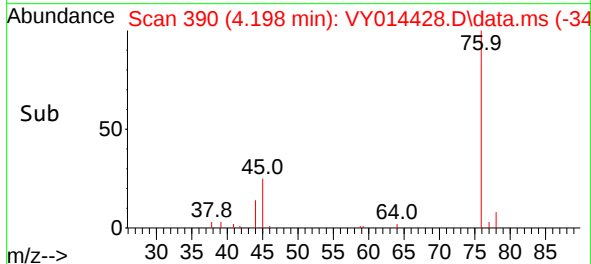
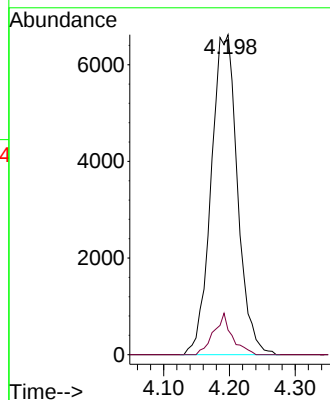
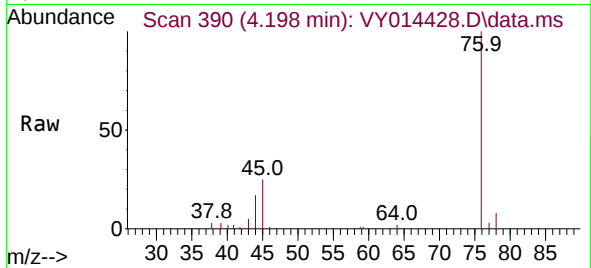




#17
Carbon Disulfide
Concen: 3.884 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

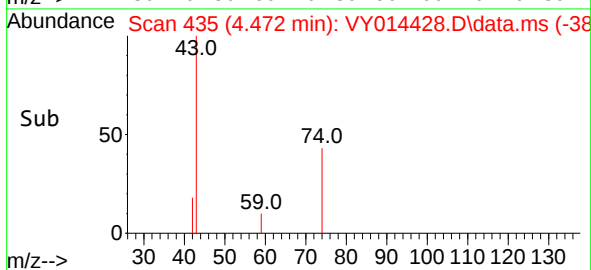
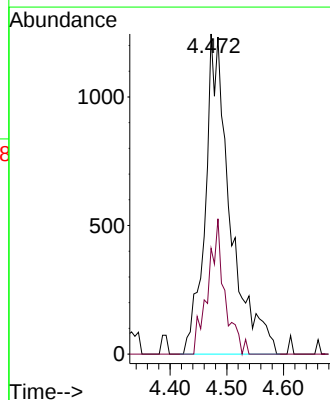
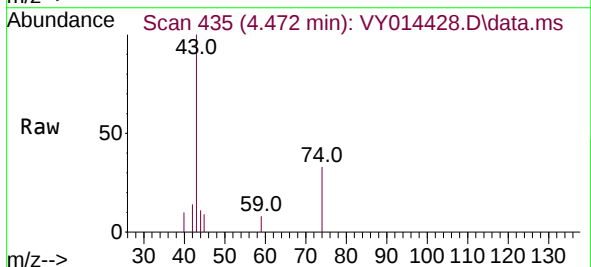
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

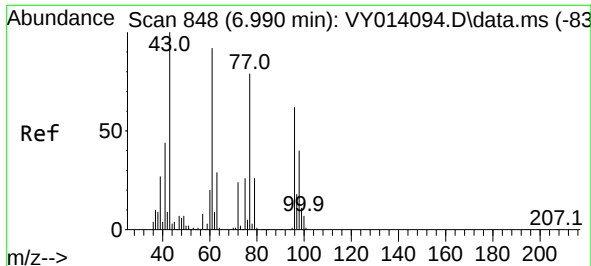
Tgt Ion: 76 Resp: 18432
Ion Ratio Lower Upper
76 100
78 7.7 7.0 10.4



#18
Methyl Acetate
Concen: 1.709 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion: 43 Resp: 3821
Ion Ratio Lower Upper
43 100
74 28.2 17.4 26.0#

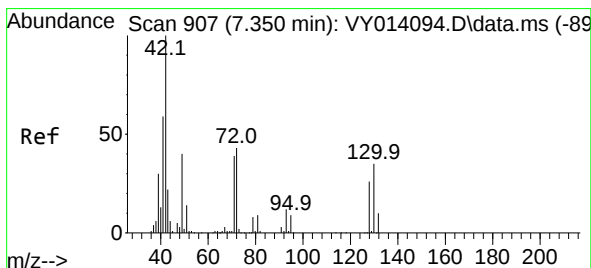
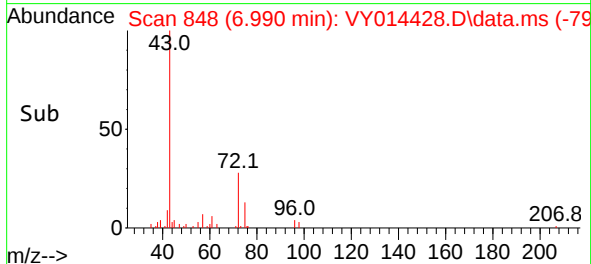
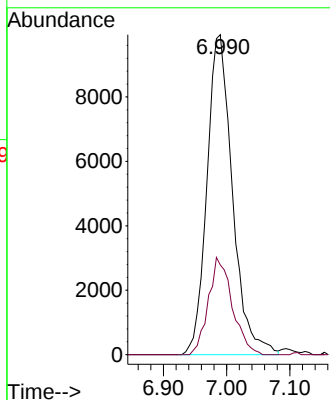
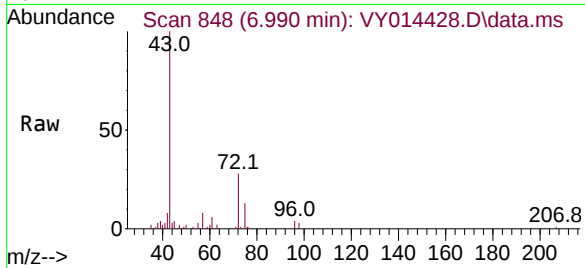




#25
2-Butanone
Concen: 34.387 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

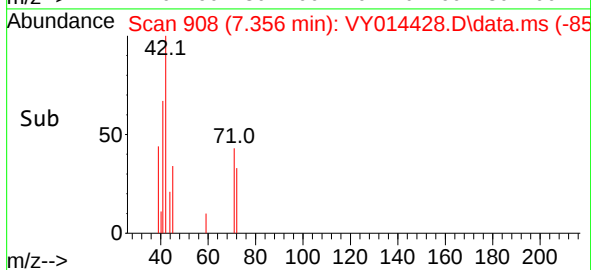
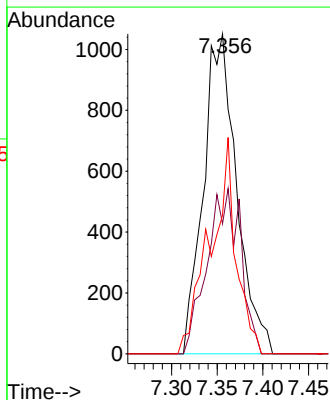
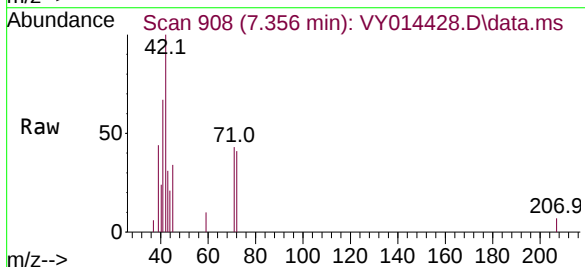
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

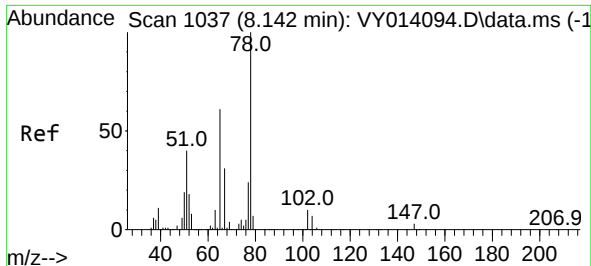
Tgt Ion: 43 Resp: 27853
Ion Ratio Lower Upper
43 100
72 28.0 20.5 30.7



#29
Tetrahydrofuran
Concen: 5.503 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion: 42 Resp: 2658
Ion Ratio Lower Upper
42 100
72 52.1 32.8 49.2#
71 52.4 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 52.595 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014428.D

Acq: 26 Jun 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

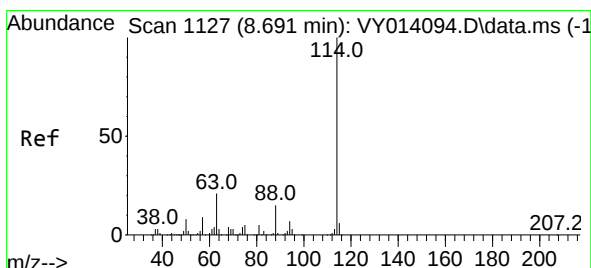
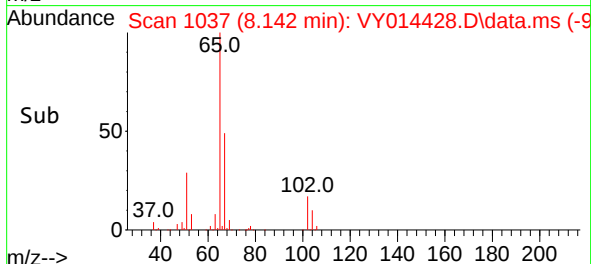
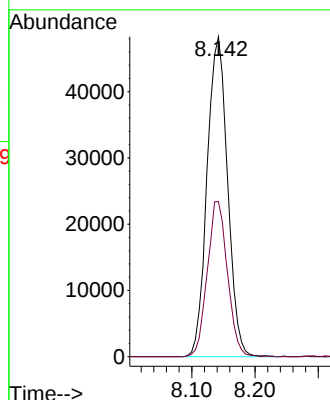
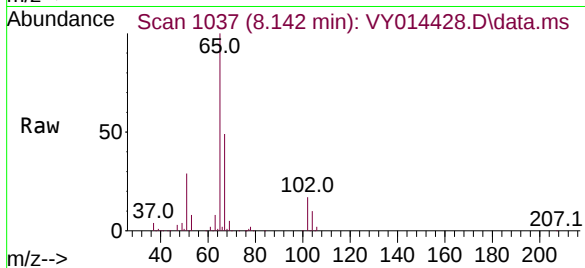
TOTAL-VOC-TP6-07-5N-4

Tgt Ion: 65 Resp: 108698

Ion Ratio Lower Upper

65 100

67 47.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY014428.D

Acq: 26 Jun 2023 12:56

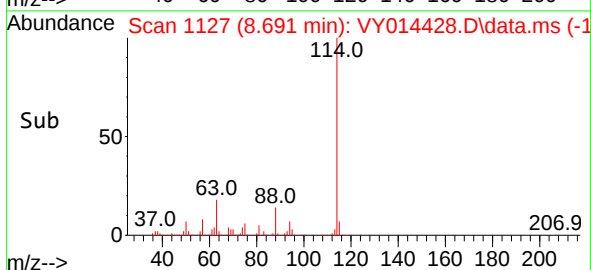
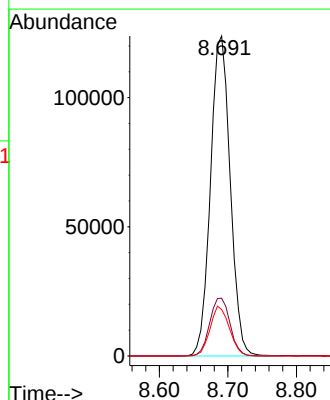
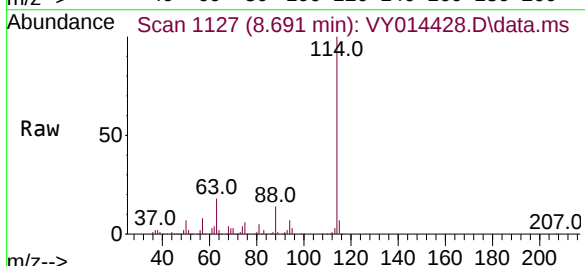
Tgt Ion: 114 Resp: 247870

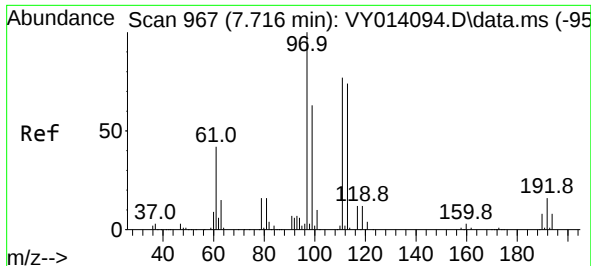
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 14.5 0.0 30.6

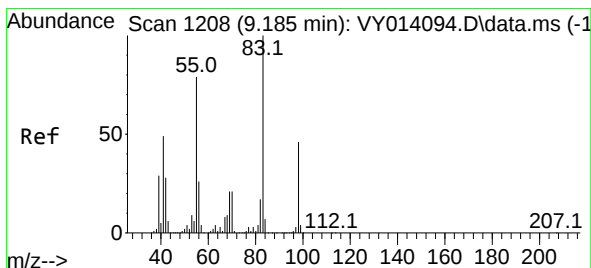
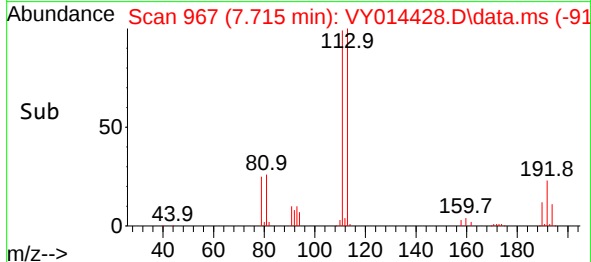
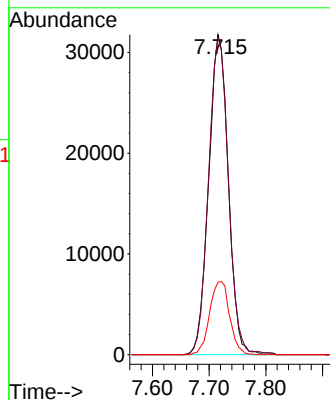
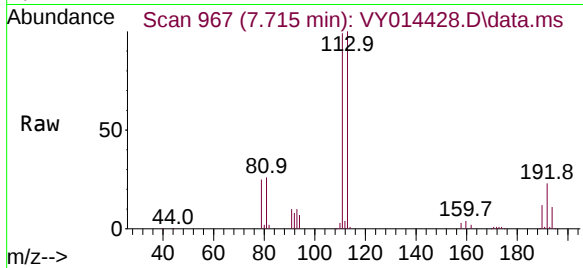




#35
Dibromofluoromethane
Concen: 49.830 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

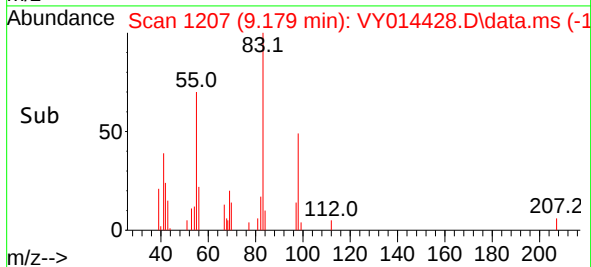
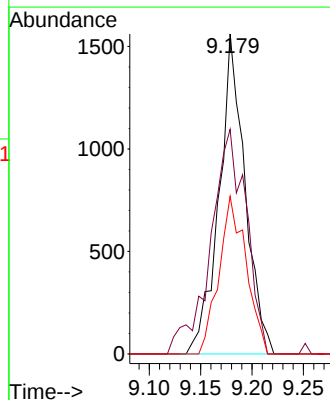
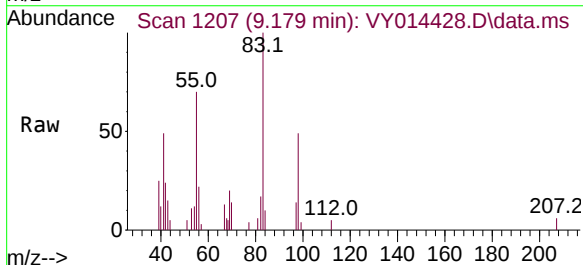
Instrument :
MSVOA_Y
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TOTAL-VOC-TP6-07-5N-4

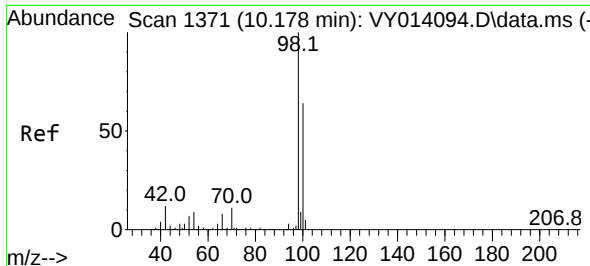
Tgt Ion:113 Resp: 76310
Ion Ratio Lower Upper
113 100
111 100.7 81.3 121.9
192 23.2 16.9 25.3



#39
Methylcyclohexane
Concen: 1.010 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion: 83 Resp: 2743
Ion Ratio Lower Upper
83 100
55 70.2 63.0 94.4
98 49.3 37.4 56.2

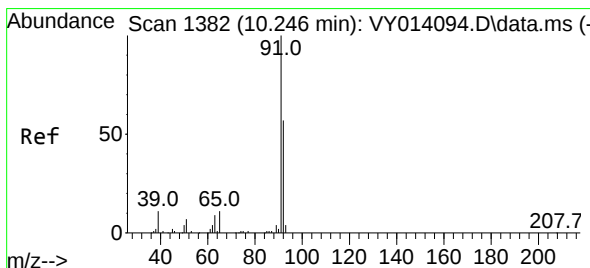
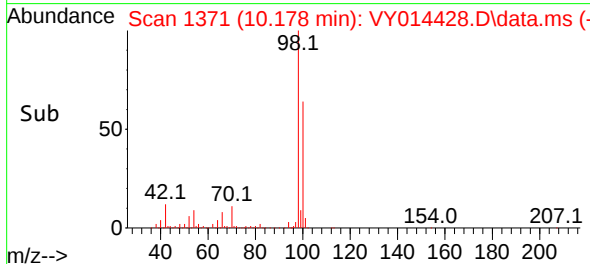
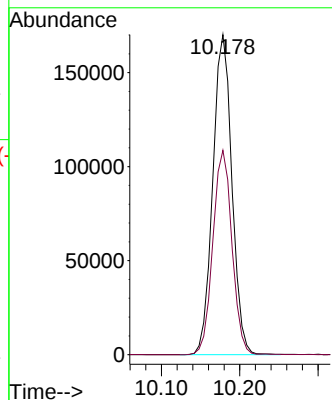
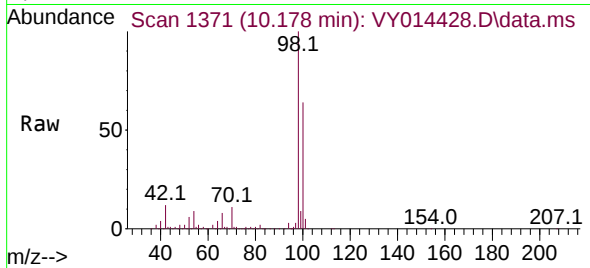




#50
Toluene-d8
Concen: 47.371 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

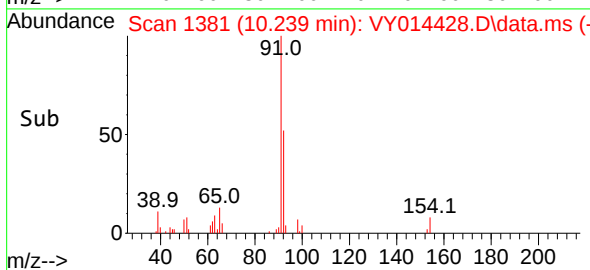
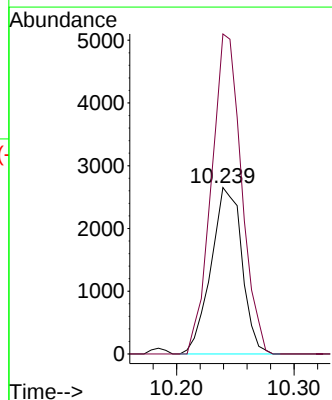
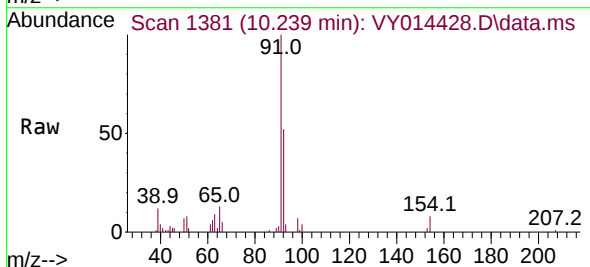
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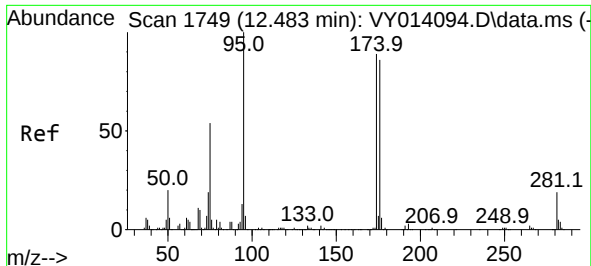
Tgt Ion: 98 Resp: 288369
Ion Ratio Lower Upper
98 100
100 63.7 50.1 75.1



#52
Toluene
Concen: 1.128 ug/l
RT: 10.239 min Scan# 1381
Delta R.T. -0.007 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion: 92 Resp: 4851
Ion Ratio Lower Upper
92 100
91 186.8 143.8 215.6

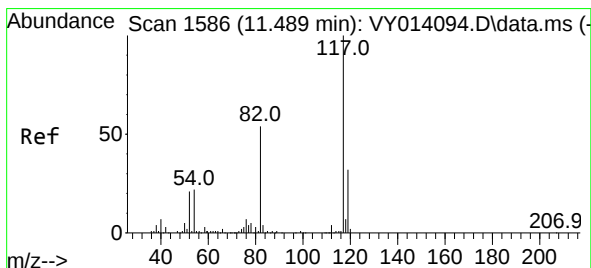
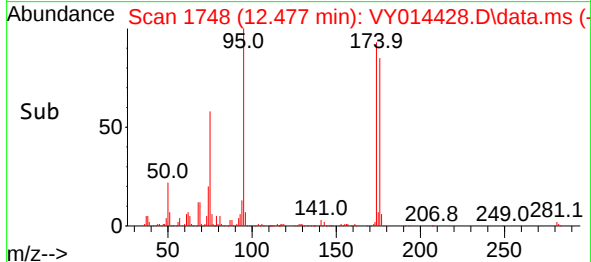
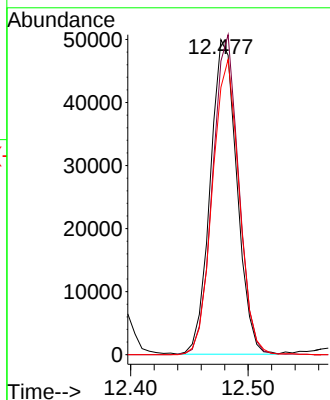
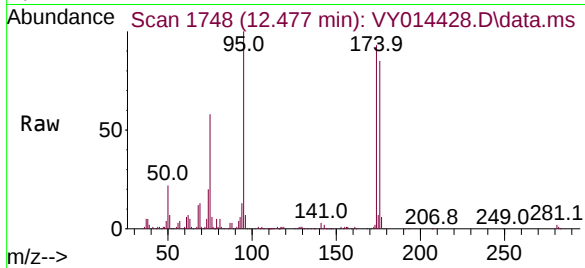




#62
4-Bromofluorobenzene
Concen: 36.219 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

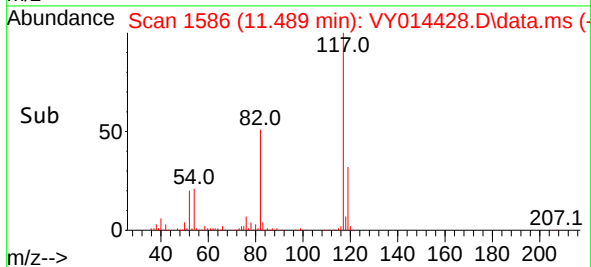
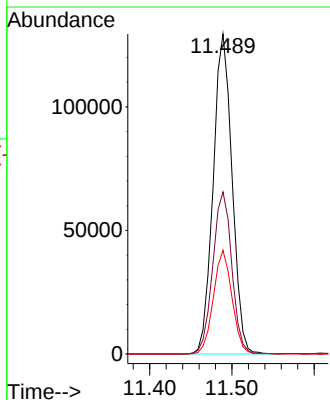
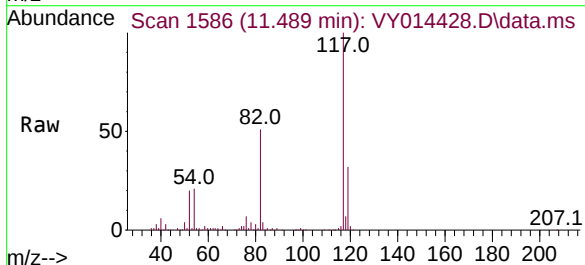
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

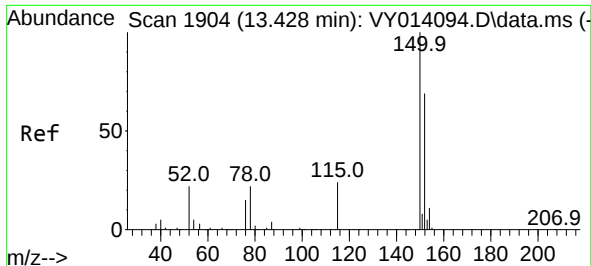
Tgt Ion: 95 Resp: 78713
Ion Ratio Lower Upper
95 100
174 99.3 0.0 178.2
176 94.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion: 117 Resp: 207395
Ion Ratio Lower Upper
117 100
82 50.7 43.4 65.0
119 32.4 26.3 39.5

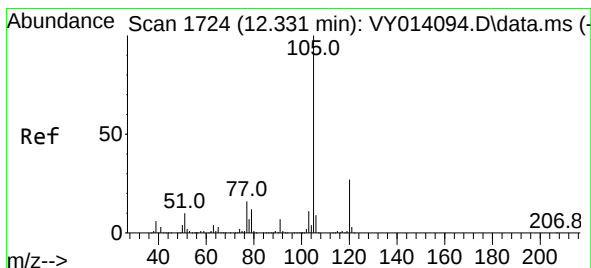
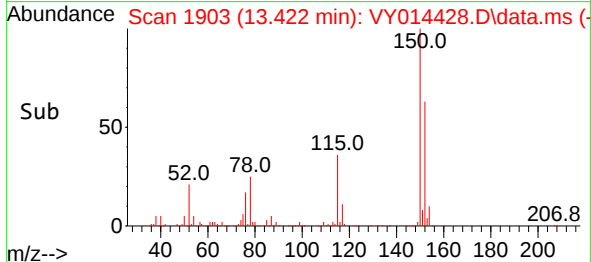
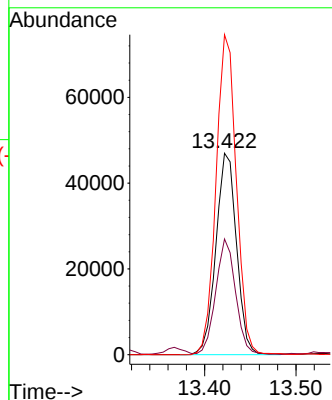
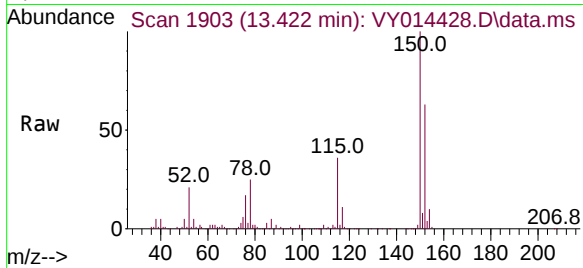




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

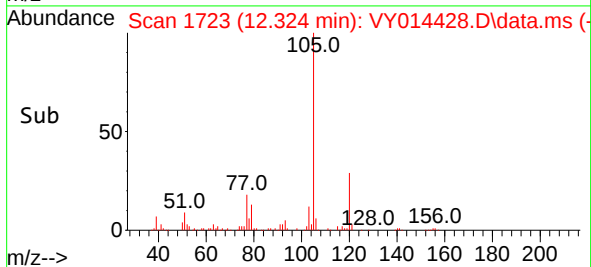
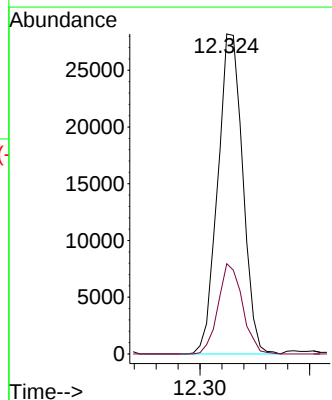
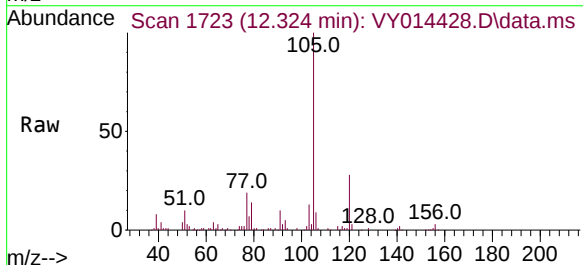
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

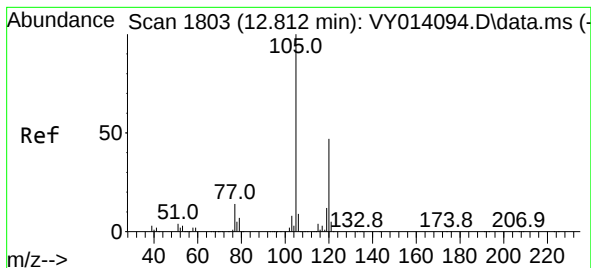
Tgt Ion:152 Resp: 73708
Ion Ratio Lower Upper
152 100
115 54.9 28.8 86.5
150 156.5 0.0 348.8



#73
Isopropylbenzene
Concen: 8.999 ug/l
RT: 12.324 min Scan# 1723
Delta R.T. -0.007 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion:105 Resp: 44666
Ion Ratio Lower Upper
105 100
120 27.4 13.3 39.9





#80

1,3,5-Trimethylbenzene

Concen: 1.446 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY014428.D

Acq: 26 Jun 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

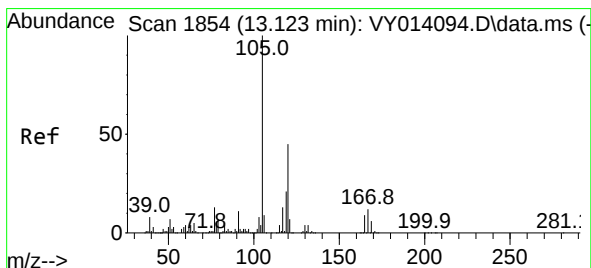
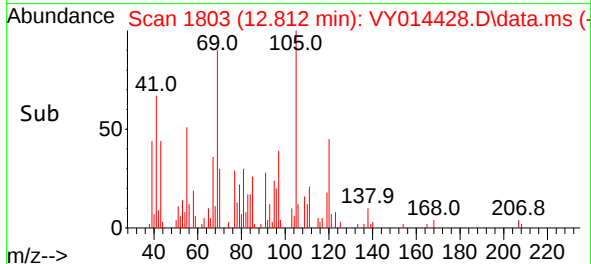
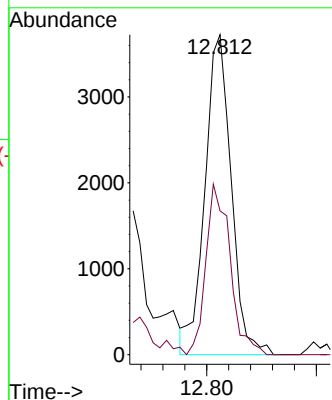
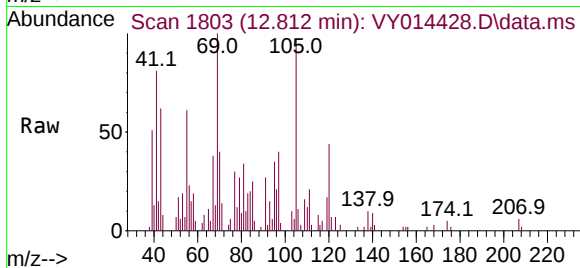
TOTAL-VOC-TP6-07-5N-4

Tgt Ion:105 Resp: 6207

Ion Ratio Lower Upper

105 100

120 49.0 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 1.965 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY014428.D

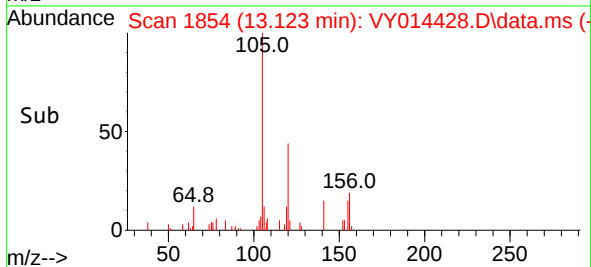
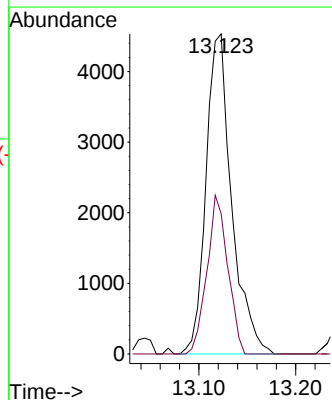
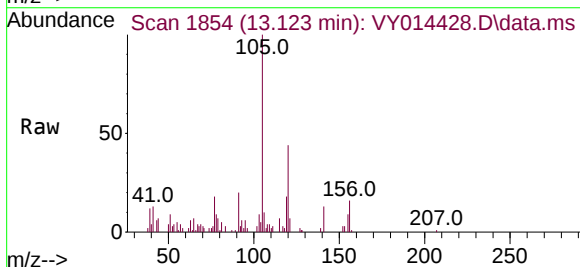
Acq: 26 Jun 2023 12:56

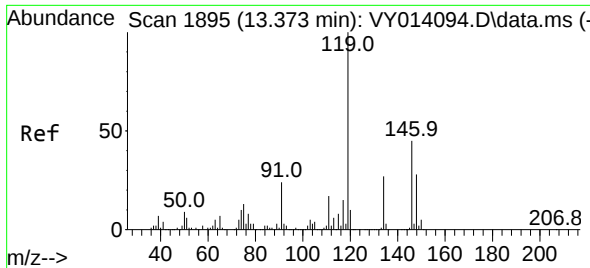
Tgt Ion:105 Resp: 8359

Ion Ratio Lower Upper

105 100

120 40.2 22.2 66.6

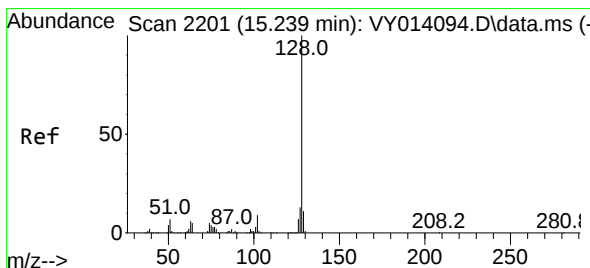
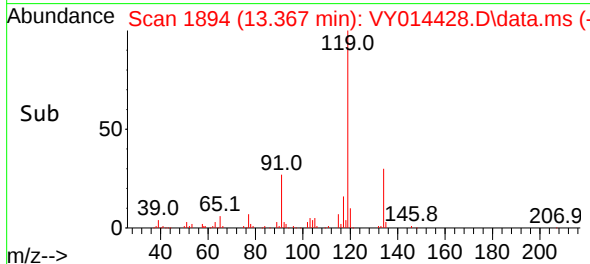
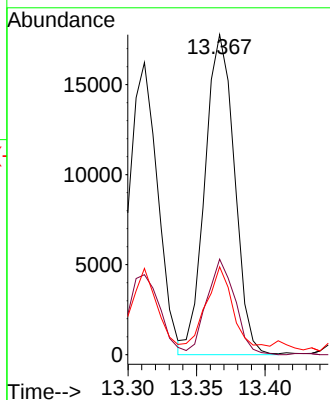
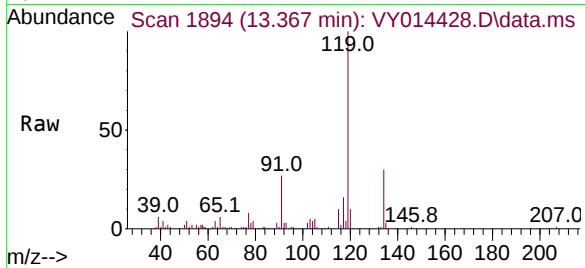




#86
p-Isopropyltoluene
Concen: 5.779 ug/l
RT: 13.367 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

Tgt Ion:	119	Resp:	26634
Ion	Ratio	Lower	Upper
119	100		
134	28.4	13.3	39.8
91	22.1	12.4	37.4



#95
Naphthalene
Concen: 10.895 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY014428.D
Acq: 26 Jun 2023 12:56

Tgt Ion:	128	Resp:	34582
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	11.9	8.6	13.0

