

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014291.D
 Acq On : 20 Jun 2023 18:17
 Operator : KP/MD
 Sample : 03298-13
 Misc : 8.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jun 21 02:09:16 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)

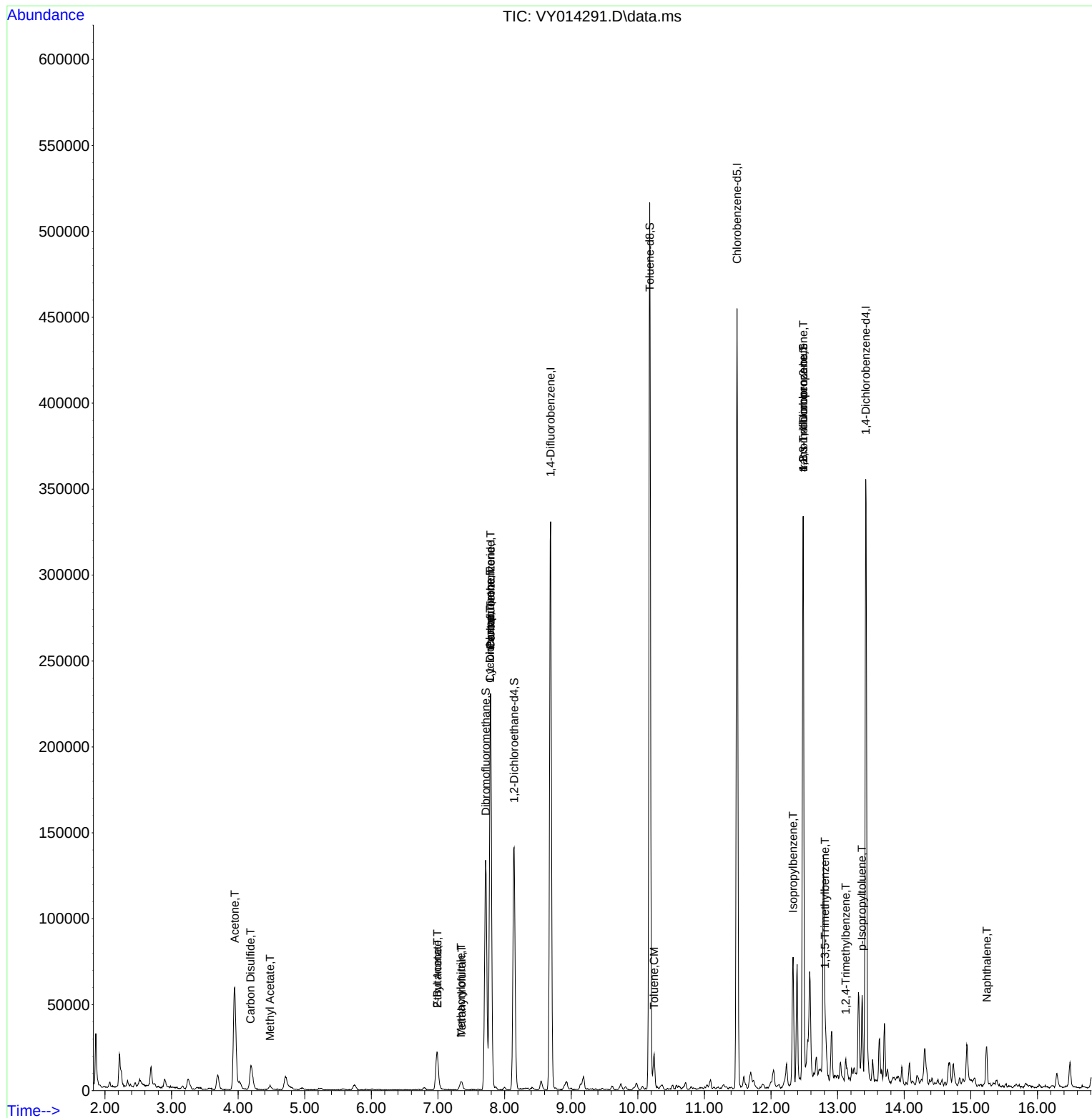
Internal Standards						
1) Pentafluorobenzene	7.789	168	174393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	273943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	237552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115893	47.723	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.440%		
35) Dibromofluoromethane	7.716	113	91302	46.996	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.000%		
50) Toluene-d8	10.179	98	330936	45.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.120%		
62) 4-Bromofluorobenzene	12.483	95	93575	36.268	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	72.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	2395	Below Cal	#	90
13) Acrolein	3.728	56	103	Below Cal	#	14
16) Acetone	3.948	43	107910	147.416	ug/l	96
17) Carbon Disulfide	4.186	76	20539	3.183	ug/l	99
18) Methyl Acetate	4.478	43	3750	1.320	ug/l	95
20) Methylene Chloride	4.710	84	5287	Below Cal	#	83
25) 2-Butanone	6.990	43	29812	33.085	ug/l	99
29) Tetrahydrofuran	7.356	42	3277	5.735	ug/l	# 92
31) Cyclohexane	7.783	56	4944	1.520	ug/l	# 27
36) 1,1-Dichloropropene	7.783	75	13068	4.315	ug/l	# 50
37) Ethyl Acetate	6.990	43	29812	14.266	ug/l	# 84
38) Carbon Tetrachloride	7.789	117	16655	4.765	ug/l	# 16
41) Methacrylonitrile	7.344	41	2392	2.243	ug/l	# 30
52) Toluene	10.246	92	7852	1.406	ug/l	98
73) Isopropylbenzene	12.331	105	41157	5.957	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	52249	43.974	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.812	105	6110	1.033	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	52249	95.054	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.123	105	7231	1.235	ug/l	97
86) p-Isopropyltoluene	13.367	119	25885	4.138	ug/l	97
95) Naphthalene	15.239	128	20074	5.014	ug/l	99

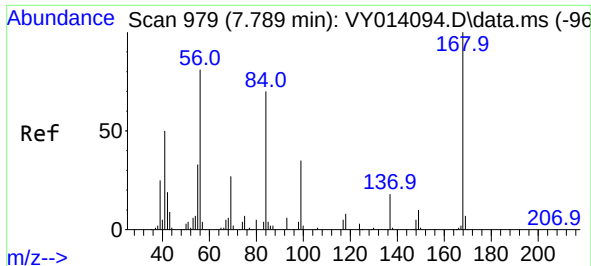
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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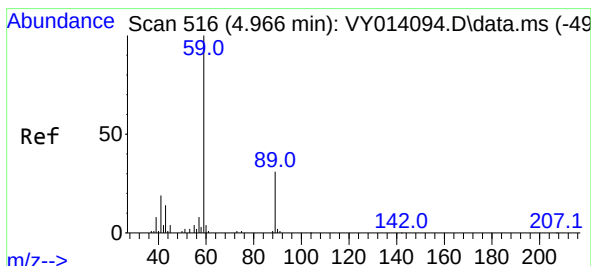
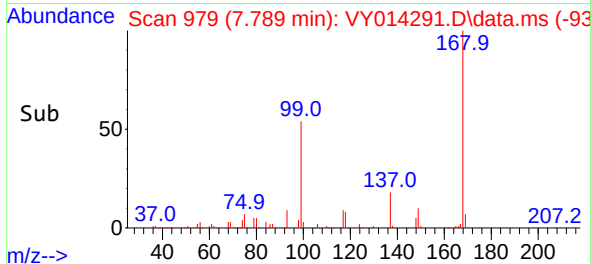
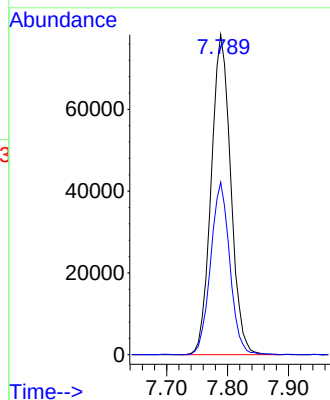
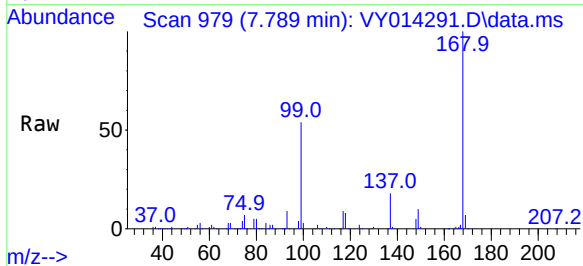




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

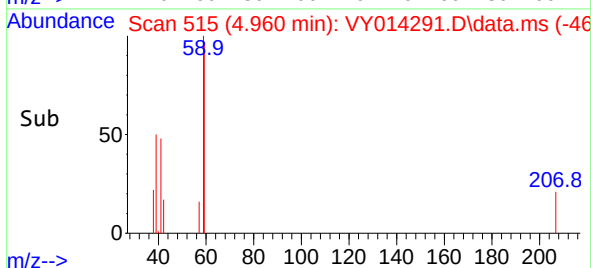
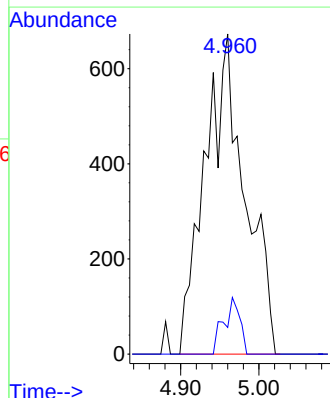
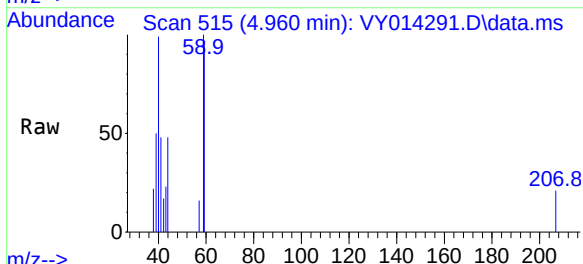
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

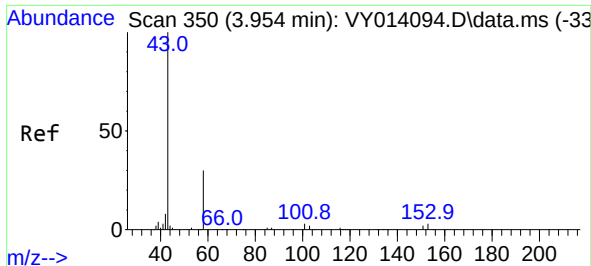
Tgt Ion:168 Resp: 174393
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 59 Resp: 2395
Ion Ratio Lower Upper
59 100
57 7.1 3.0 4.4#

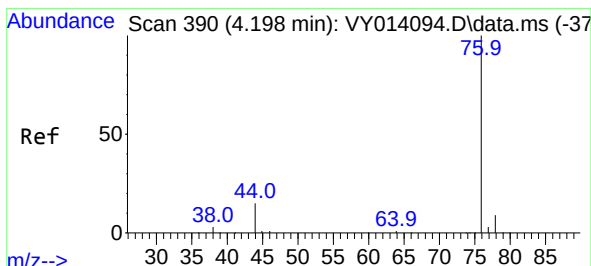
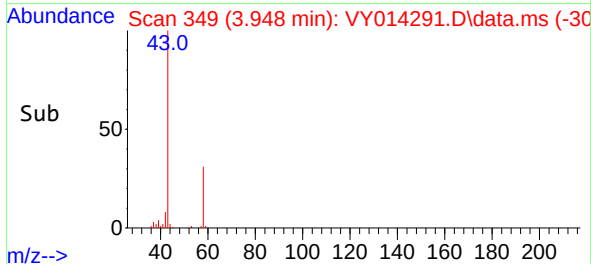
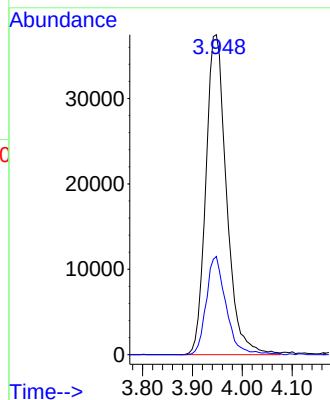
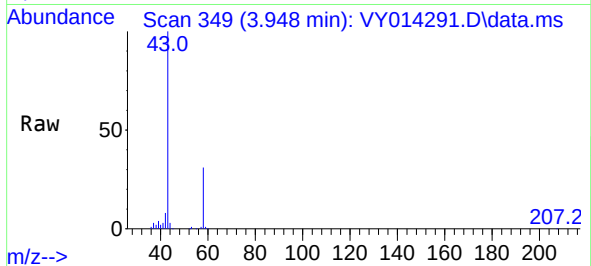




#16
Acetone
Concen: 147.416 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

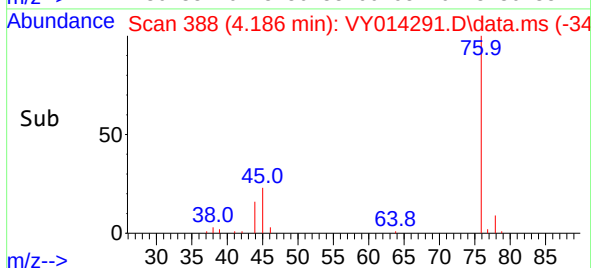
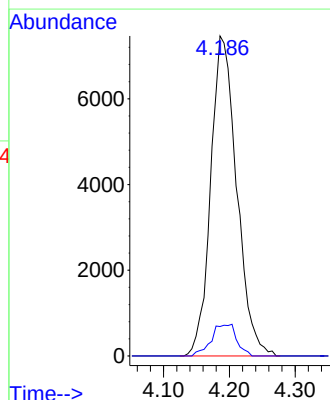
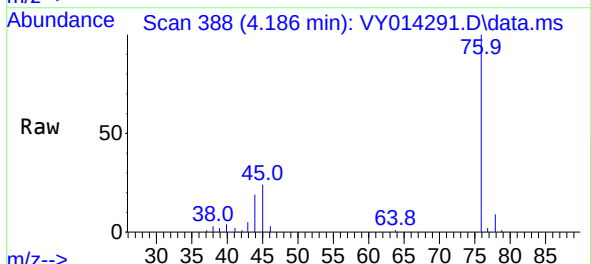
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

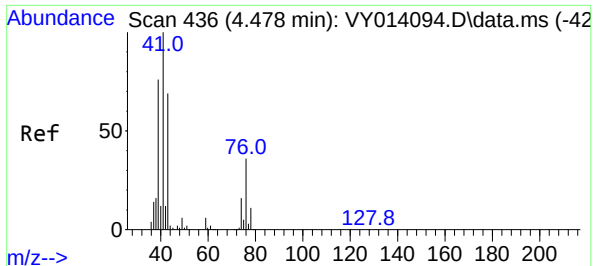
Tgt Ion: 43 Resp: 107910
Ion Ratio Lower Upper
43 100
58 30.7 22.7 34.1



#17
Carbon Disulfide
Concen: 3.183 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.012 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 76 Resp: 20539
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

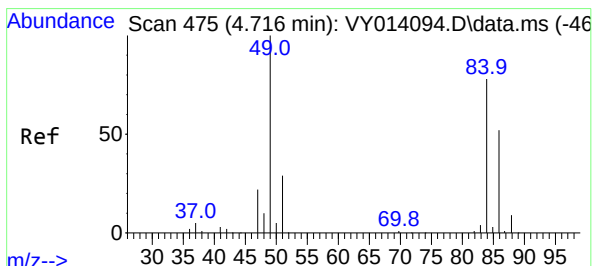
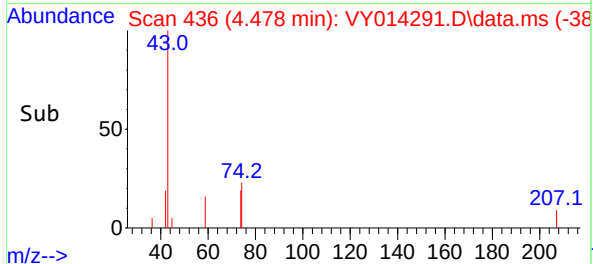
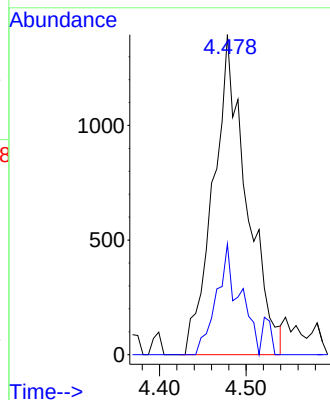
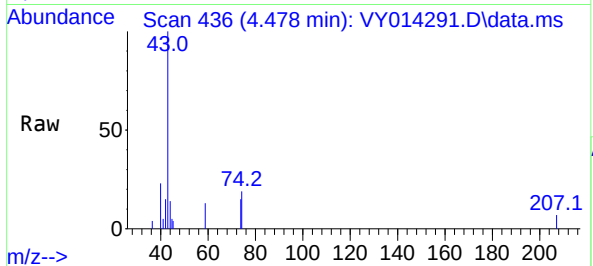




#18
Methyl Acetate
Concen: 1.320 ug/l
RT: 4.478 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

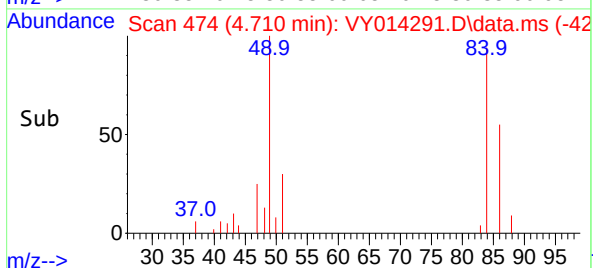
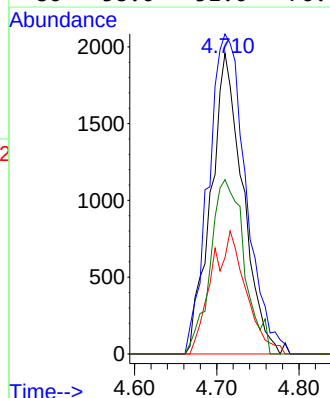
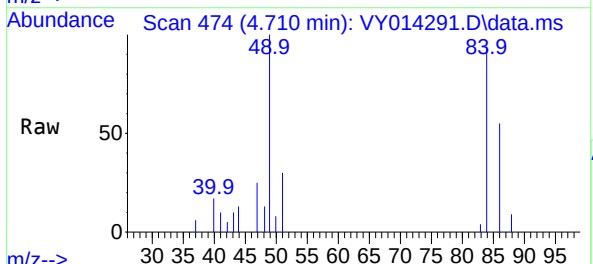
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

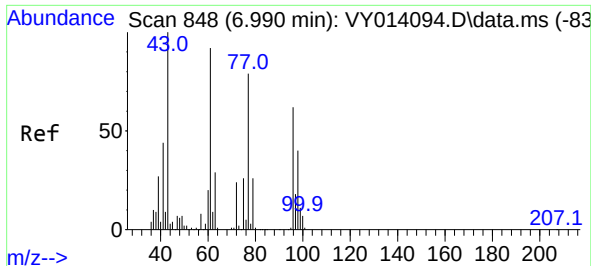
Tgt Ion: 43 Resp: 3750
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 84 Resp: 5287
Ion Ratio Lower Upper
84 100
49 106.4 106.9 160.3#
51 32.0 33.2 49.8#
86 58.0 51.0 76.6

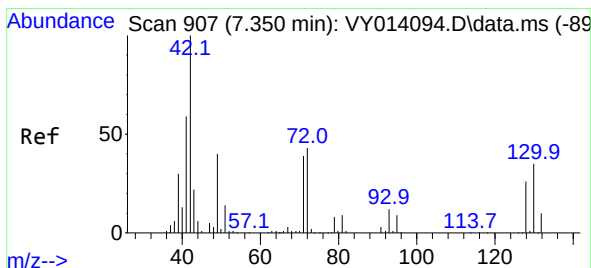
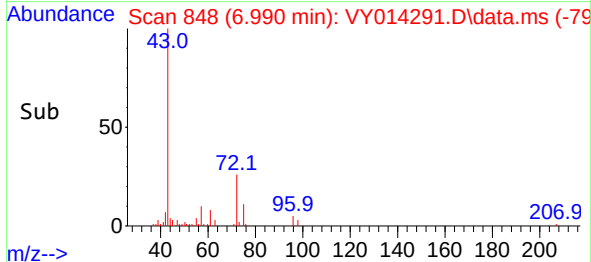
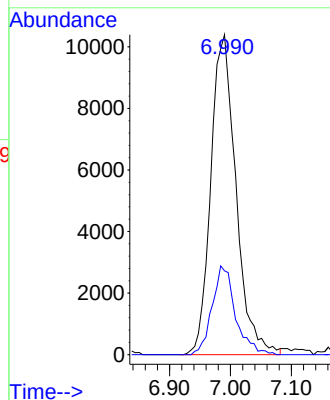
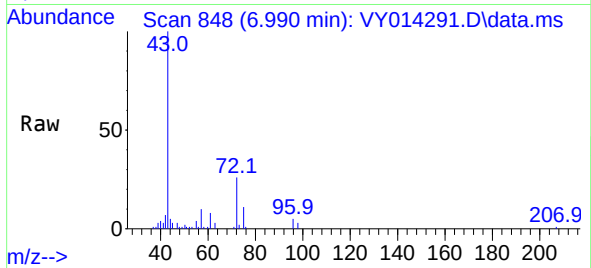




#25
2-Butanone
Concen: 33.085 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

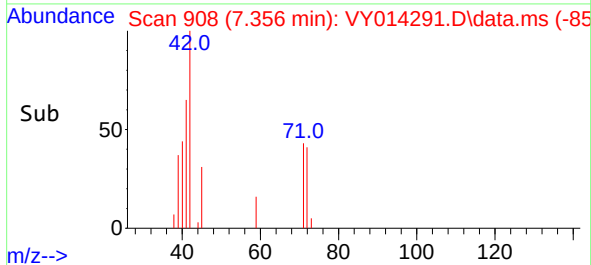
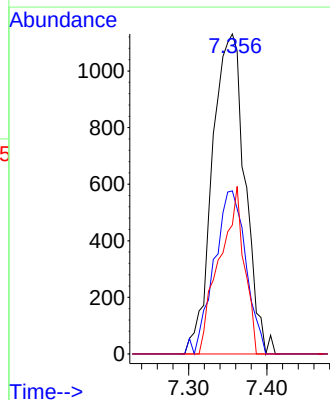
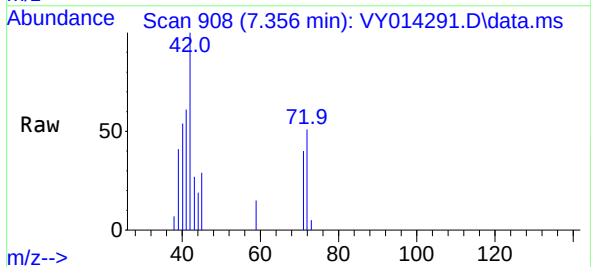
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

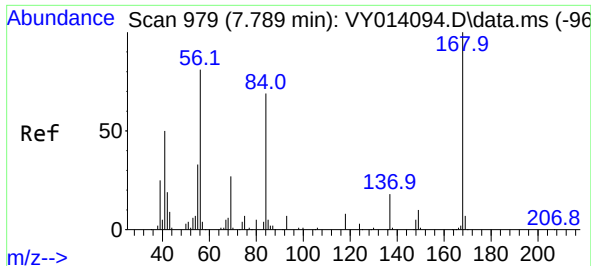
Tgt Ion: 43 Resp: 29812
Ion Ratio Lower Upper
43 100
72 26.2 20.5 30.7



#29
Tetrahydrofuran
Concen: 5.735 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 42 Resp: 3277
Ion Ratio Lower Upper
42 100
72 49.6 32.8 49.2#
71 39.4 31.0 46.4

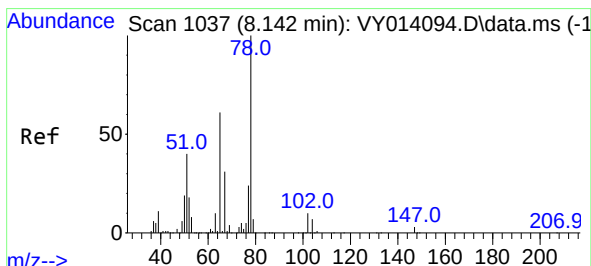
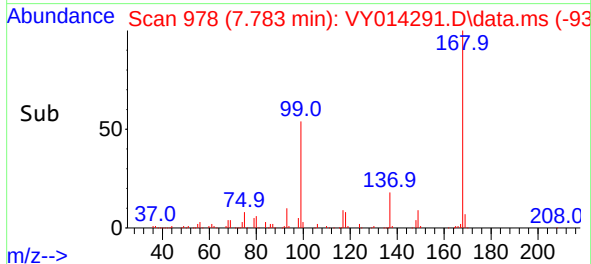
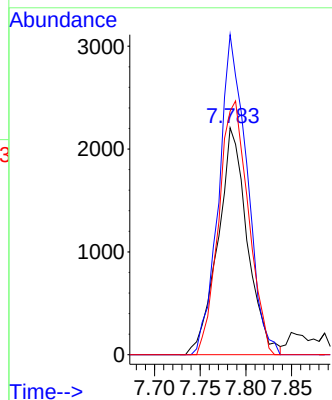
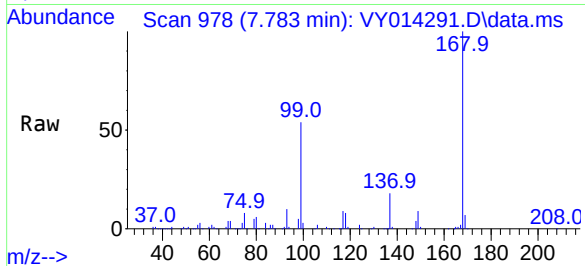




#31
Cyclohexane
Concen: 1.520 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

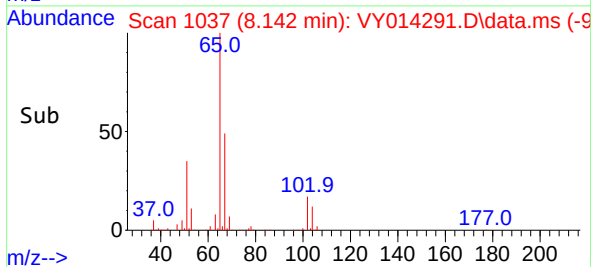
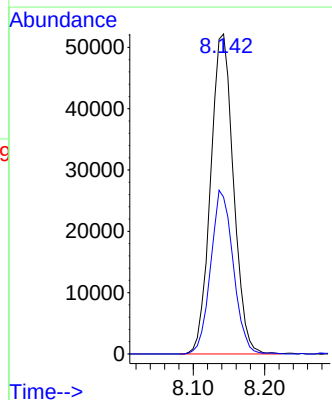
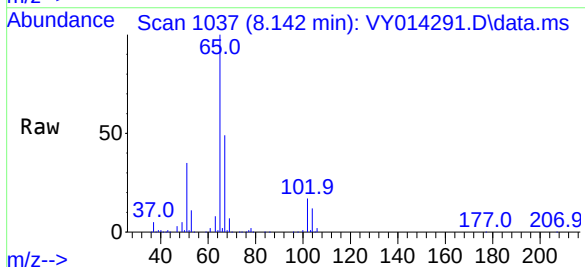
Instrument :
MSVOA_Y
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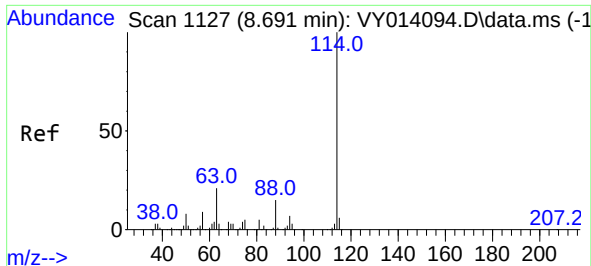
Tgt Ion: 56 Resp: 4944
Ion Ratio Lower Upper
56 100
69 141.0 27.8 41.6#
84 107.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.723 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 65 Resp: 115893
Ion Ratio Lower Upper
65 100
67 50.5 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: VY014291.D

Acq: 20 Jun 2023 18:17

Instrument :

MSVOA_Y

ClientSampleId :

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

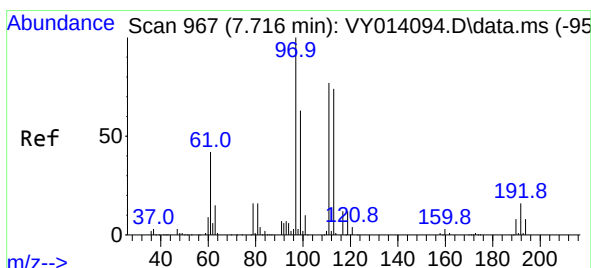
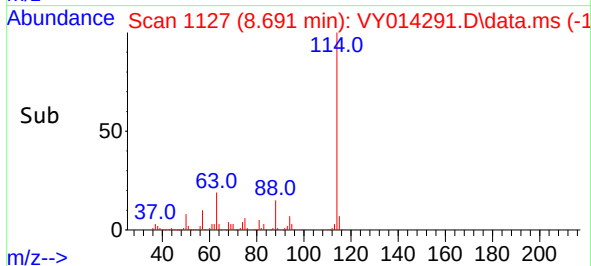
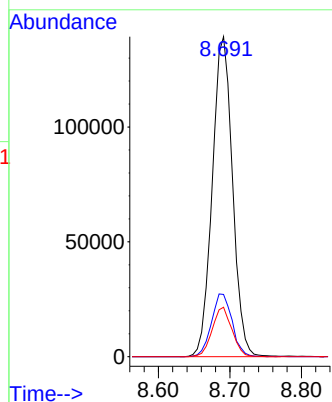
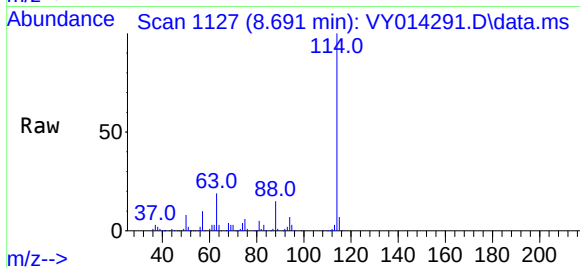
Tgt Ion:114 Resp: 273943

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.996 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014291.D

Acq: 20 Jun 2023 18:17

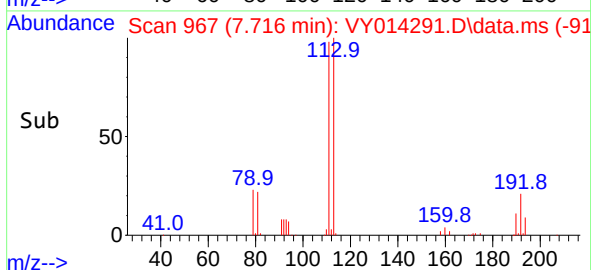
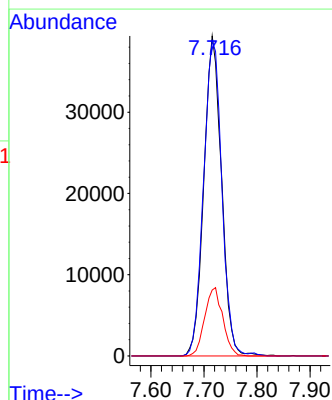
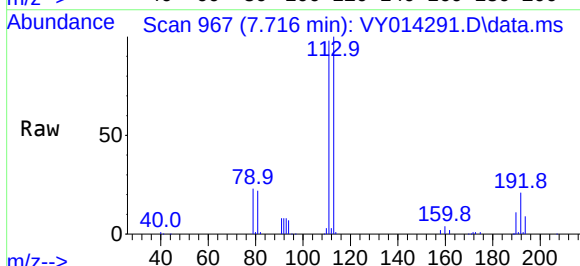
Tgt Ion:113 Resp: 91302

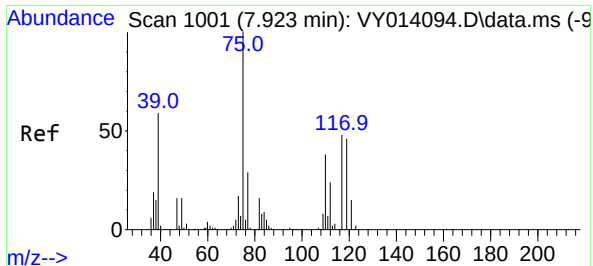
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 21.7 16.9 25.3

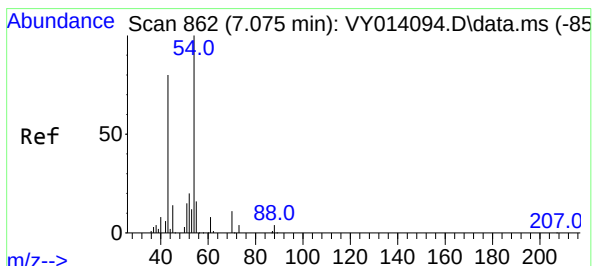
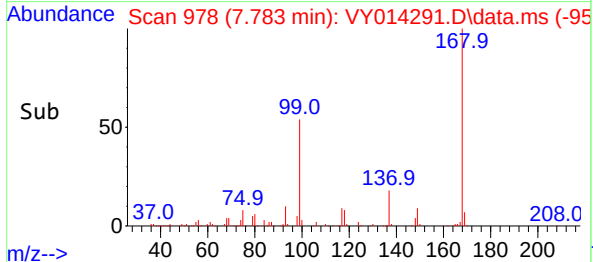
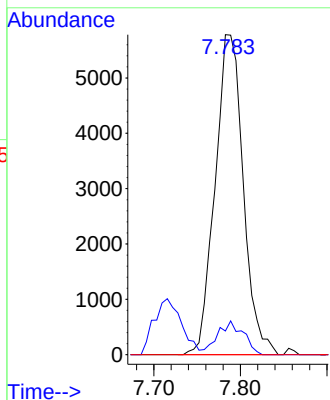
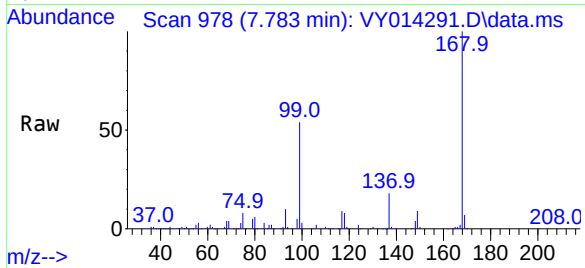




#36
1,1-Dichloropropene
Concen: 4.315 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

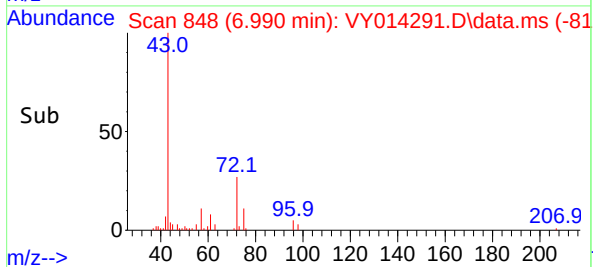
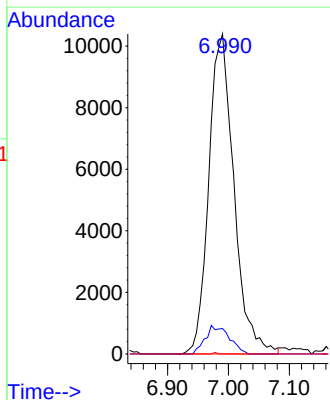
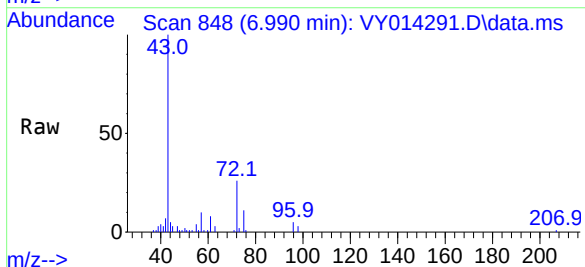
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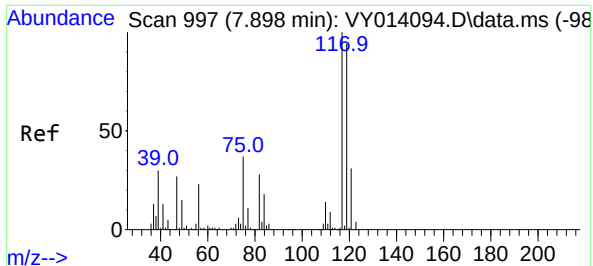
Tgt Ion: 75 Resp: 13068
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 14.266 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.085 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

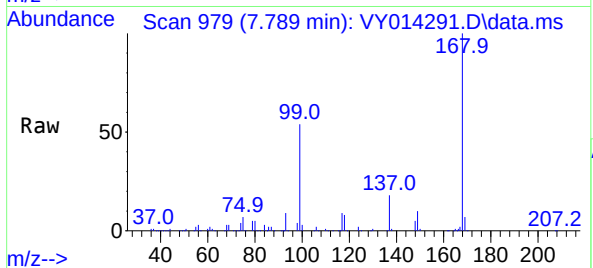
Tgt Ion: 43 Resp: 29812
Ion Ratio Lower Upper
43 100
61 8.4 10.1 15.1#
70 0.1 7.1 10.7#



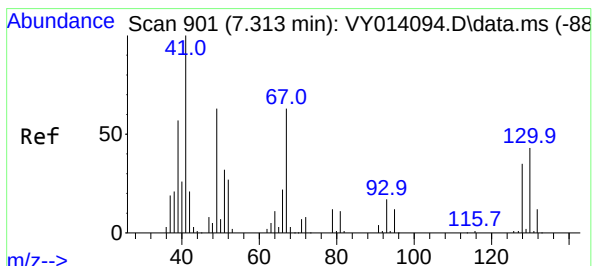
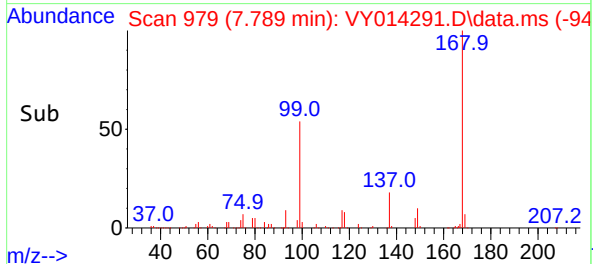
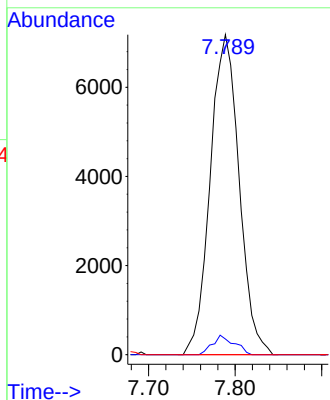


#38
Carbon Tetrachloride
Concen: 4.765 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.109 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

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

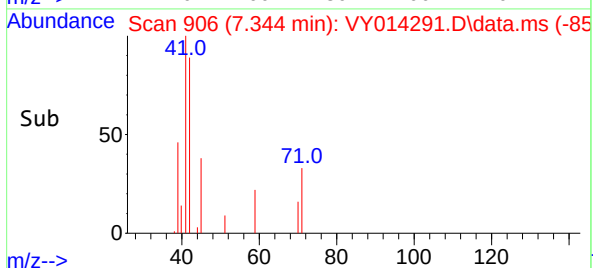
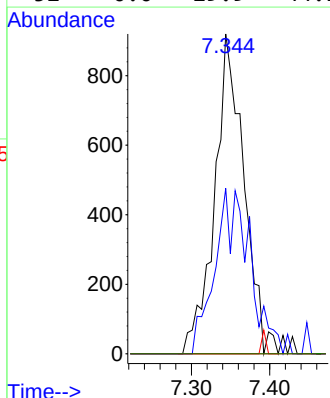
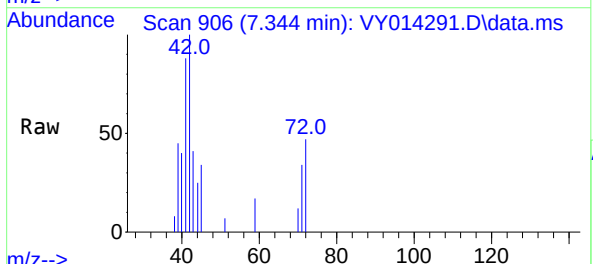


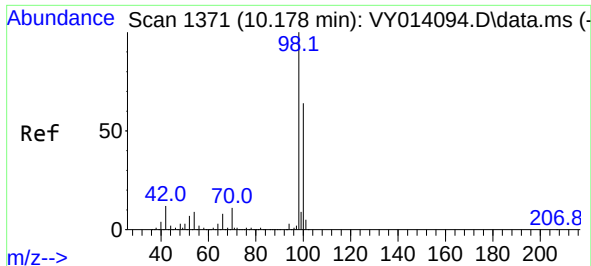
Tgt Ion:117 Resp: 16655
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.243 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.031 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 41 Resp: 2392
Ion Ratio Lower Upper
41 100
39 29.4 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

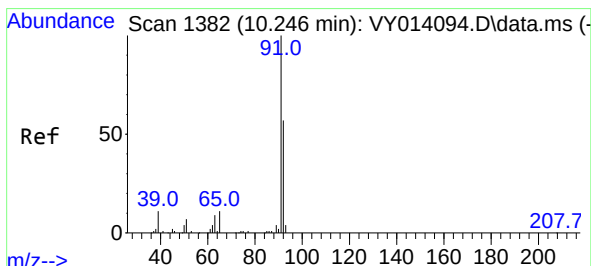
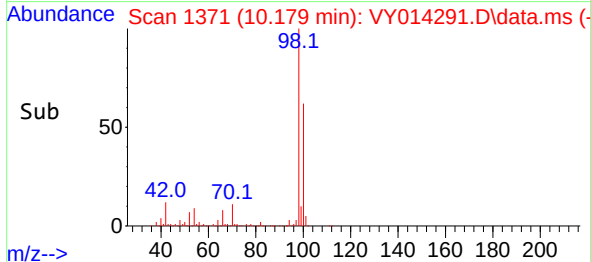
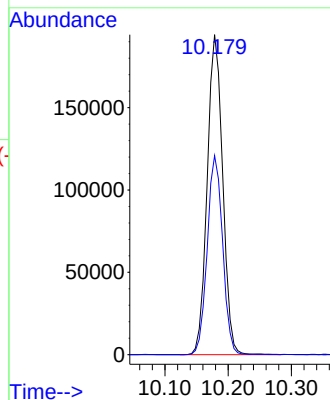
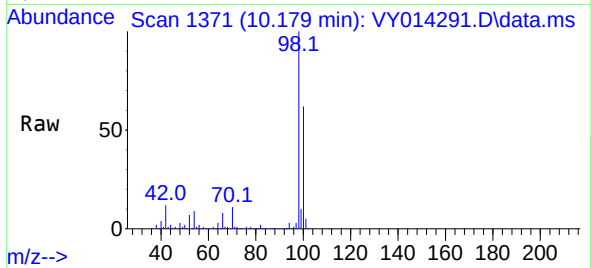




#50
Toluene-d8
Concen: 45.564 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

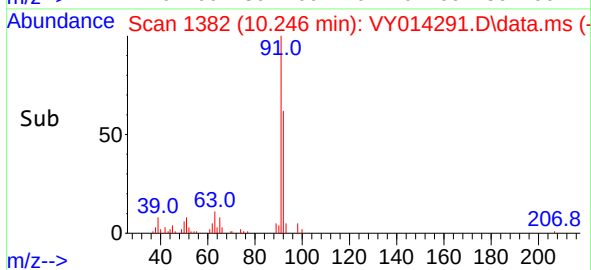
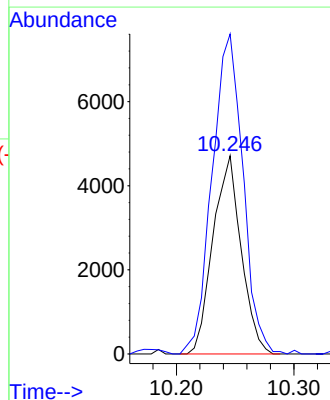
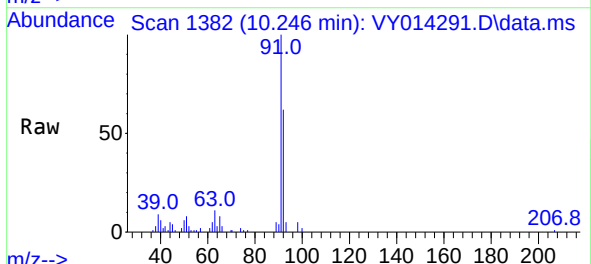
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

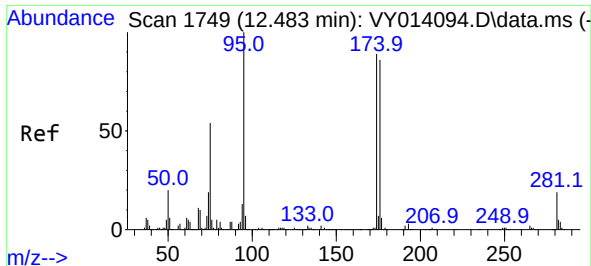
Tgt Ion: 98 Resp: 330936
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1



#52
Toluene
Concen: 1.406 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 92 Resp: 7852
Ion Ratio Lower Upper
92 100
91 176.5 143.8 215.6

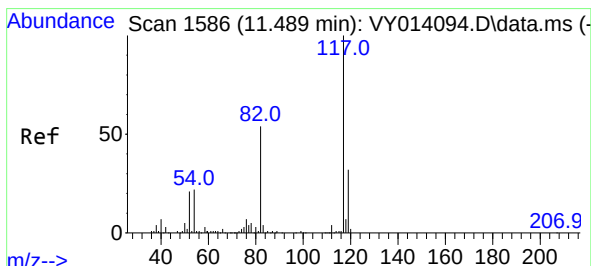
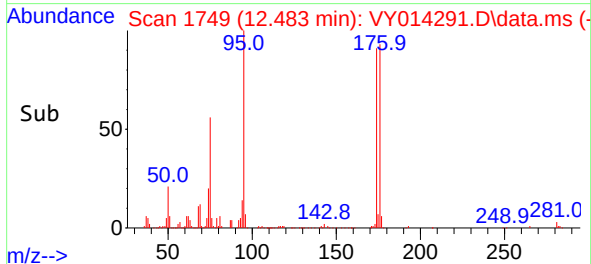
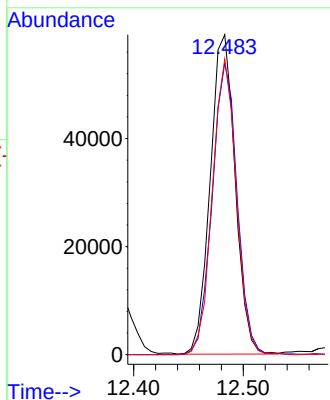
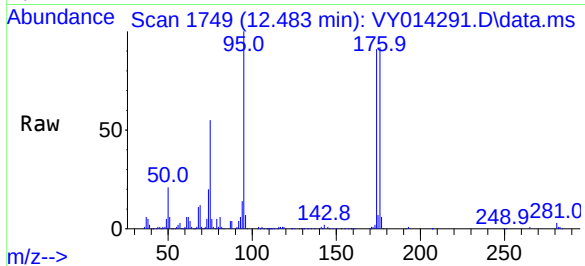




#62
4-Bromofluorobenzene
Concen: 36.268 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

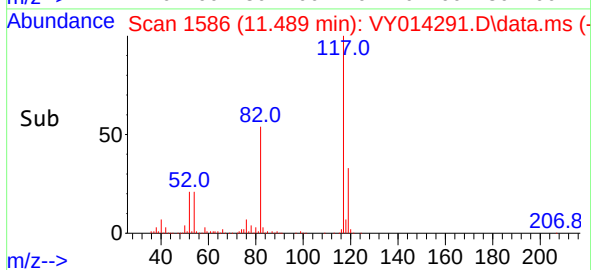
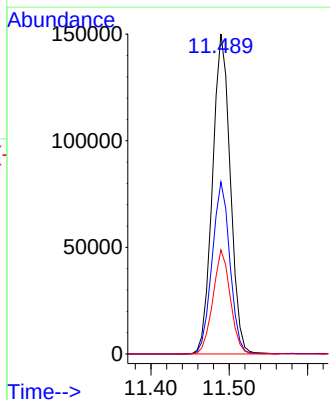
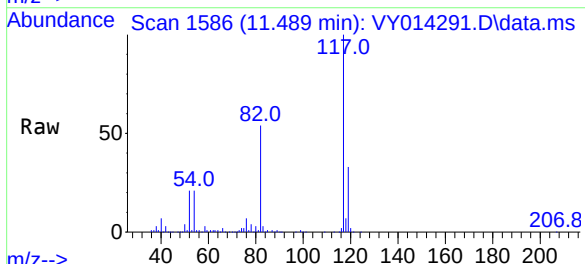
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

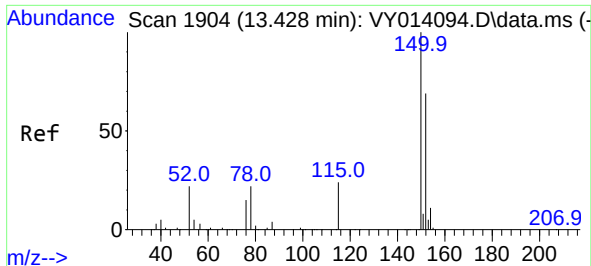
Tgt Ion:	95	Resp:	93575
Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	178.2
176	89.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion:	117	Resp:	237552
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.4	65.0
119	32.5	26.3	39.5

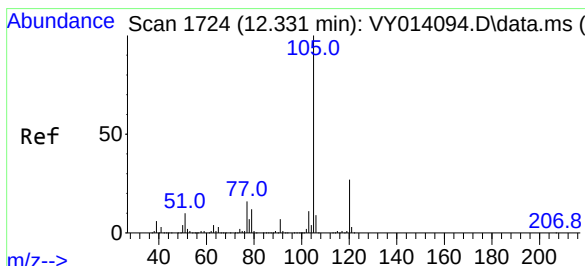
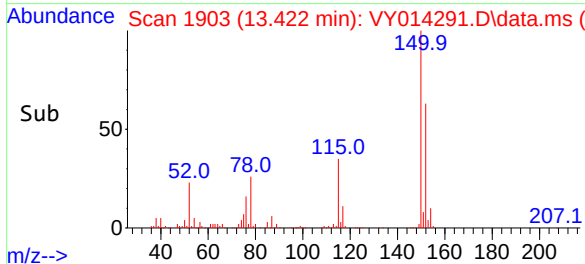
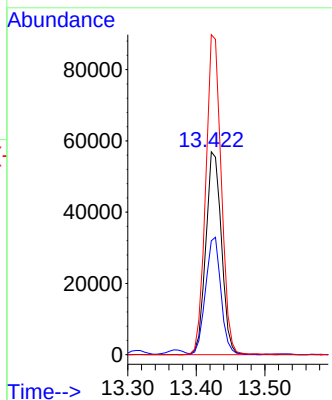
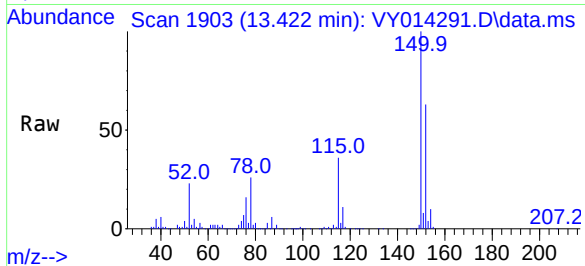




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

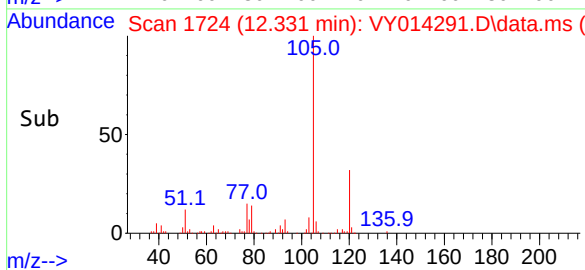
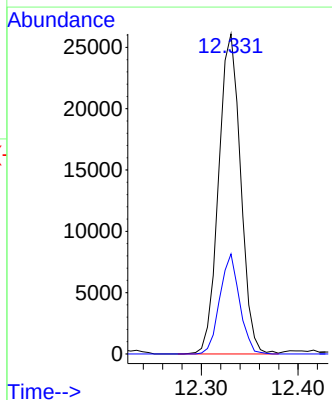
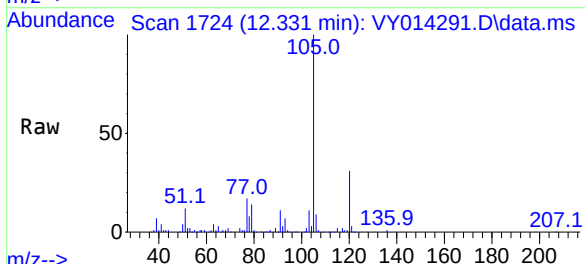
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

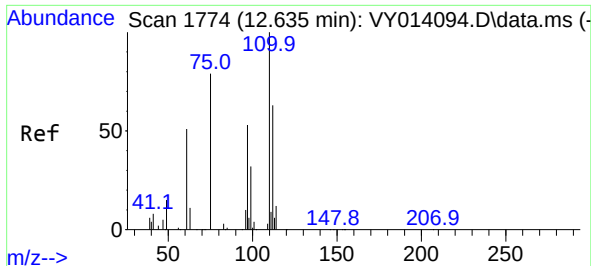
Tgt Ion:152 Resp: 90565
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.5
150 156.5 0.0 348.8



#73
Isopropylbenzene
Concen: 5.957 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion:105 Resp: 41157
Ion Ratio Lower Upper
105 100
120 27.9 13.3 39.9

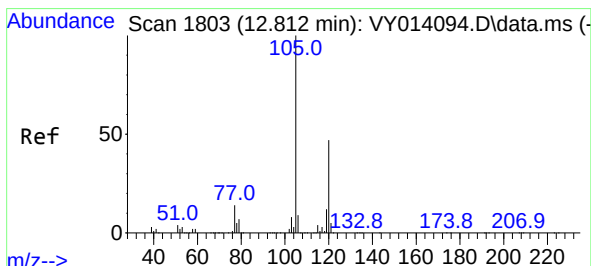
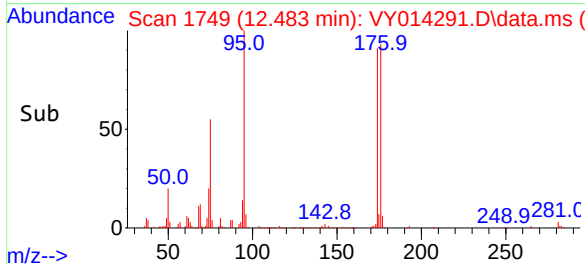
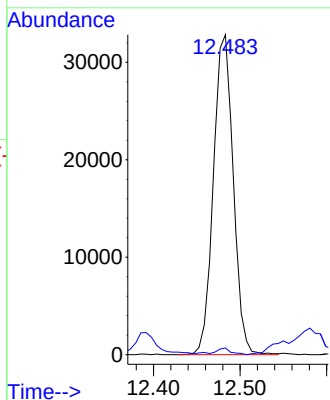
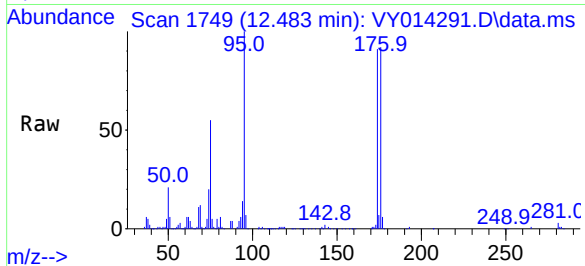




#76
1,2,3-Trichloropropane
Concen: 43.974 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

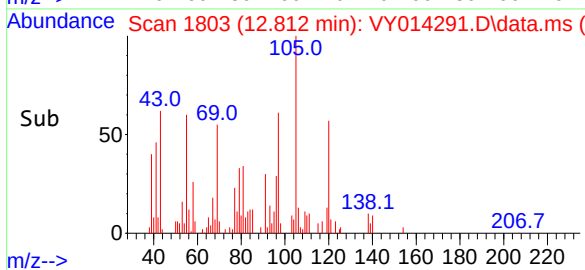
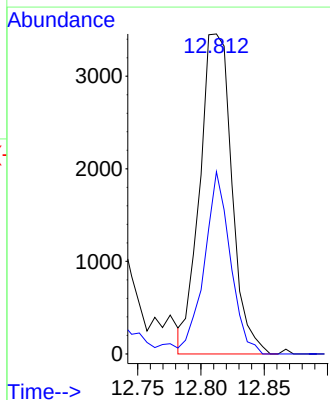
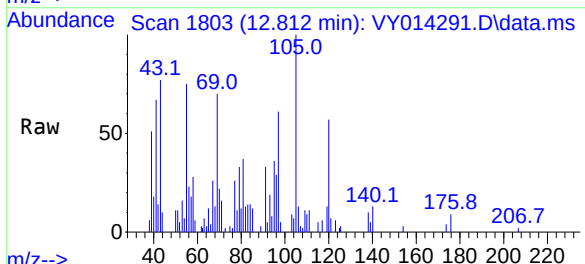
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

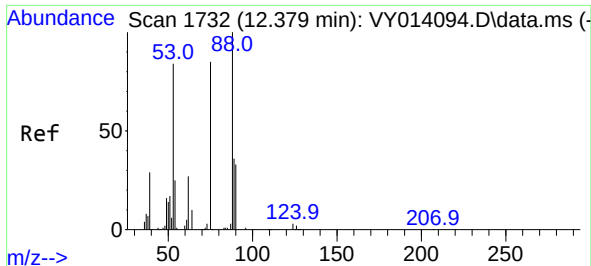
Tgt Ion: 75 Resp: 52249
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.033 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion:105 Resp: 6110
Ion Ratio Lower Upper
105 100
120 46.0 23.9 71.7

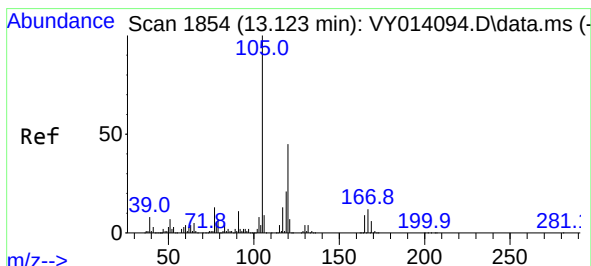
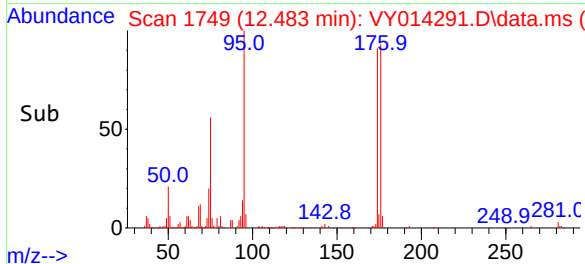
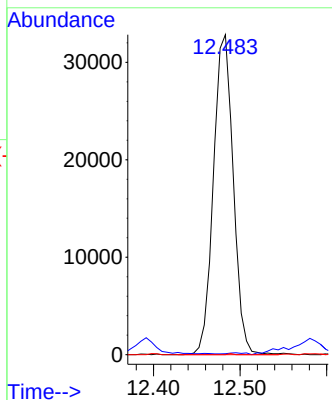
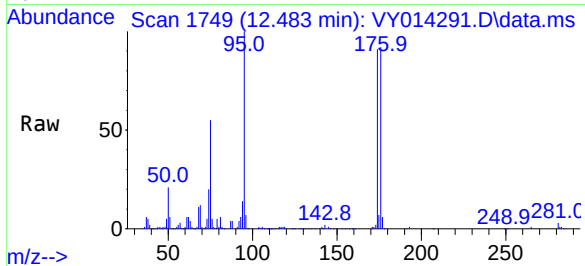




#81
trans-1,4-Dichloro-2-butene
Concen: 95.054 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

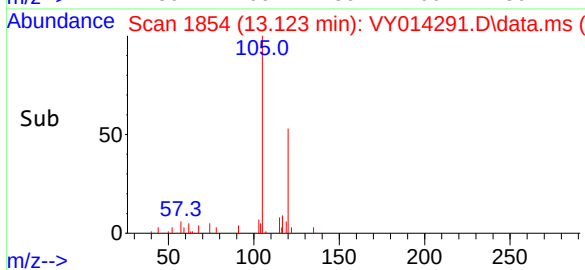
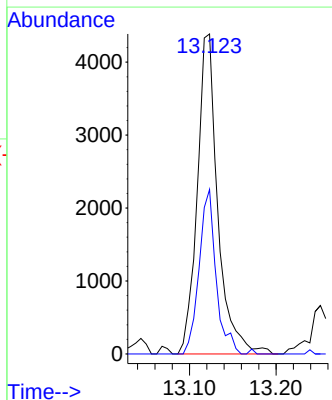
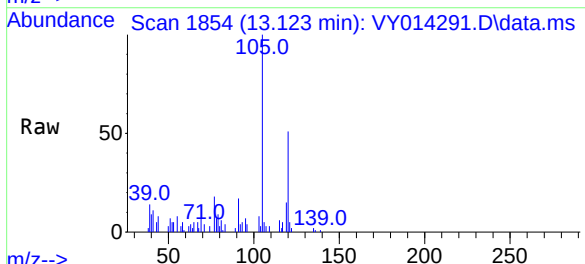
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TP6-07-5N-4

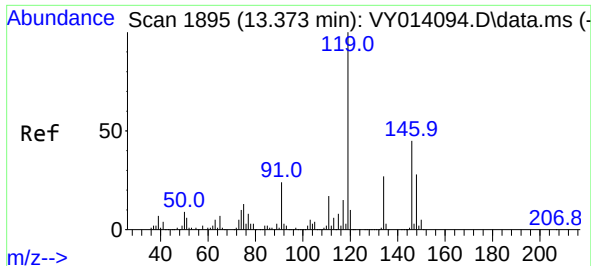
Tgt Ion: 75 Resp: 52249
Ion Ratio Lower Upper
75 100
53 0.6 77.8 116.8#
89 0.1 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.235 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion: 105 Resp: 7231
Ion Ratio Lower Upper
105 100
120 42.4 22.2 66.6

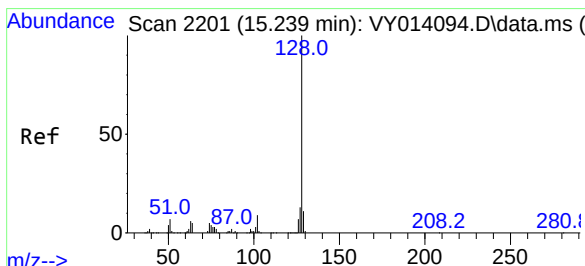
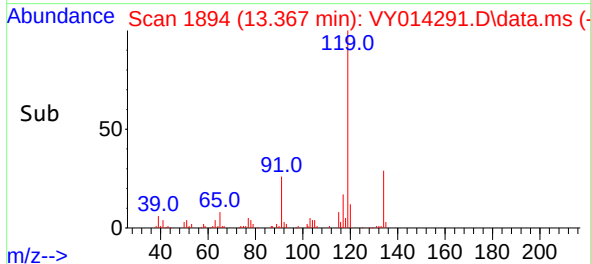
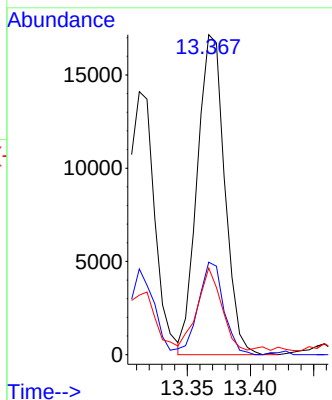
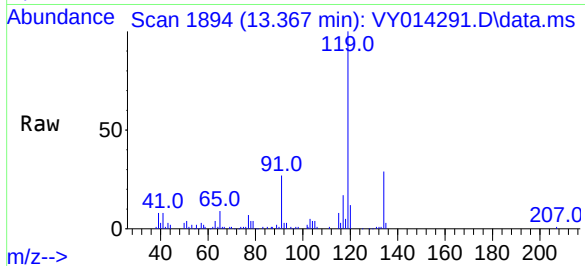




#86
p-Isopropyltoluene
Concen: 4.138 ug/l
RT: 13.367 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

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

Tgt Ion:119	Resp:	25885
Ion Ratio	Lower	Upper
119	100	
134	27.2	13.3 39.8
91	22.5	12.4 37.4



#95
Naphthalene
Concen: 5.014 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY014291.D
Acq: 20 Jun 2023 18:17

Tgt Ion:128	Resp:	20074
Ion Ratio	Lower	Upper
128	100	
127	14.0	10.8 16.2
129	11.0	8.6 13.0

