

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014386.D
 Acq On : 22 Jun 2023 17:59
 Operator : KP/MD
 Sample : 03328-18
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW02-0-8-GRAB-7RE

Quant Time: Jun 23 05:00:52 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)

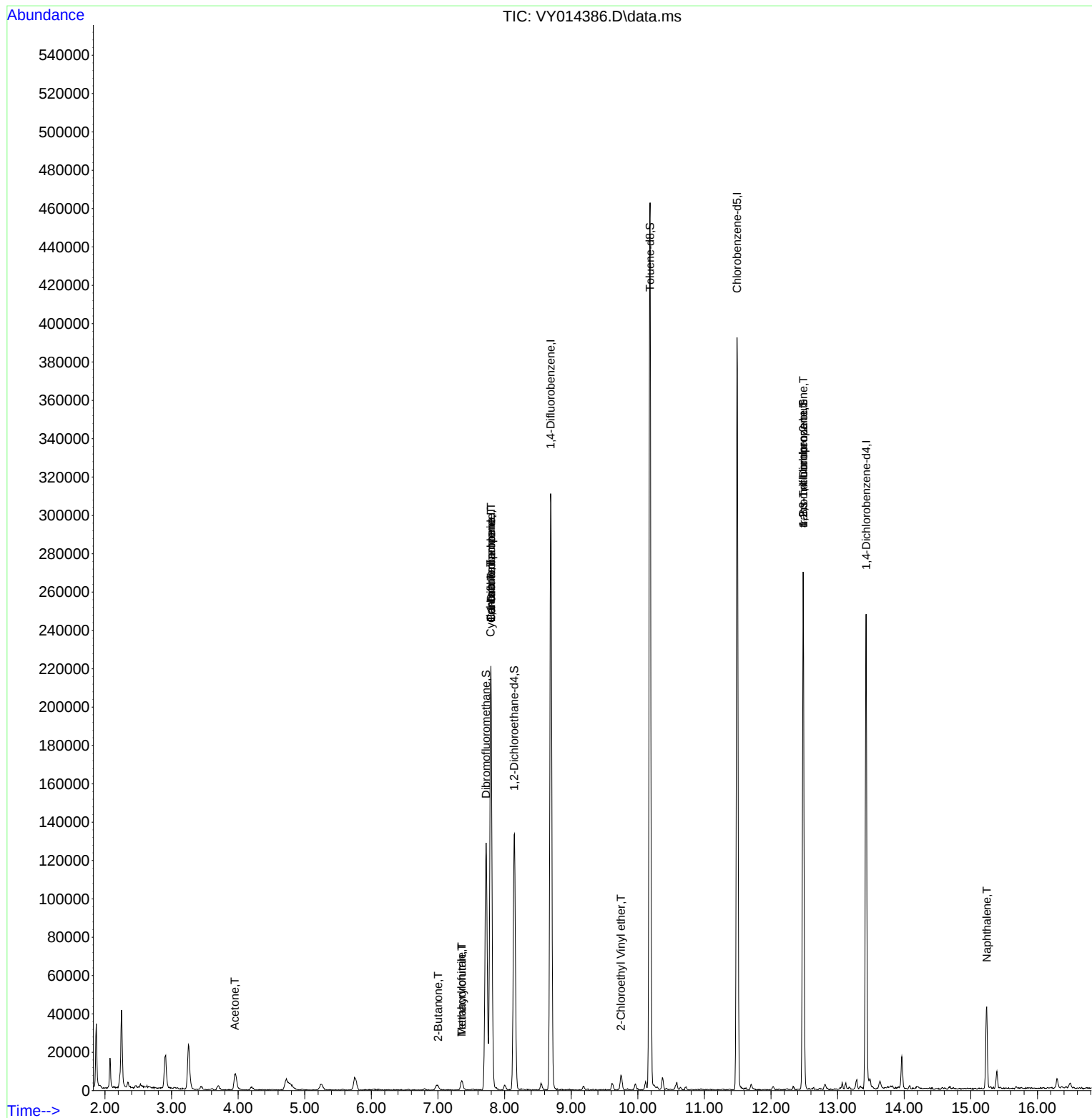
Internal Standards						
1) Pentafluorobenzene	7.795	168	172627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	265399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	212514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	117540	48.896	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.800%		
35) Dibromofluoromethane	7.722	113	87431	46.453	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.900%		
50) Toluene-d8	10.185	98	305460	43.410	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.820%		
62) 4-Bromofluorobenzene	12.483	95	71701	28.685	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	57.360%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	761	Below Cal	#	89
16) Acetone	3.948	43	16057	22.160	ug/l	99
20) Methylene Chloride	4.722	84	3578	Below Cal	#	78
25) 2-Butanone	7.003	43	1081	1.212	ug/l	92
29) Tetrahydrofuran	7.356	42	3493	6.176	ug/l	# 91
31) Cyclohexane	7.789	56	4217	1.310	ug/l	# 6
36) 1,1-Dichloropropene	7.795	75	12489	4.256	ug/l	# 51
38) Carbon Tetrachloride	7.795	117	17582	5.192	ug/l	# 18
41) Methacrylonitrile	7.356	41	2348	2.272	ug/l	# 46
58) 2-Chloroethyl Vinyl ether	9.746	63	18	28.634	ug/l	# 48
76) 1,2,3-Trichloropropane	12.483	75	39522	48.078	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	39522	103.925	ug/l	# 11
95) Naphthalene	15.239	128	36421	13.148	ug/l	98

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

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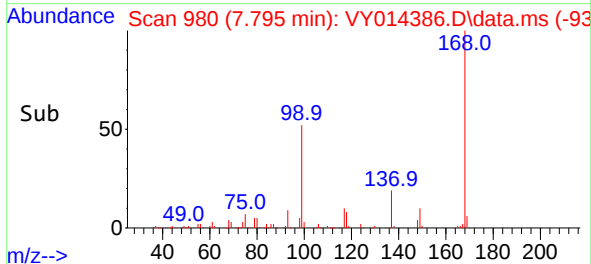
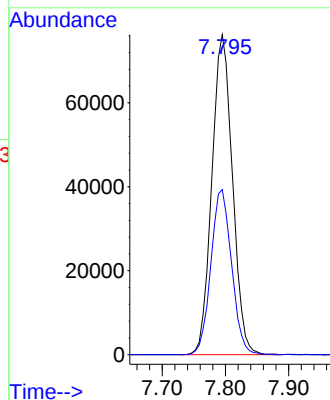
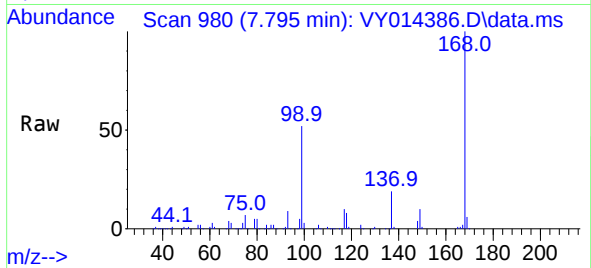




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

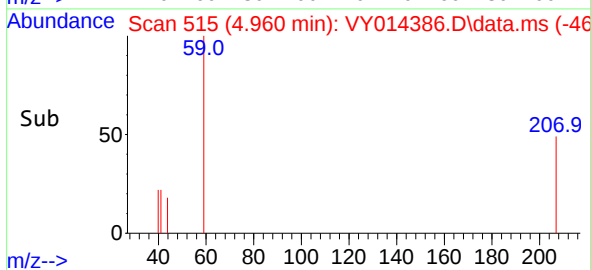
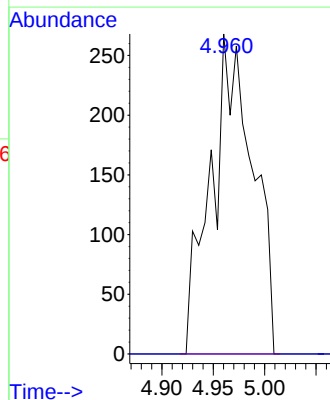
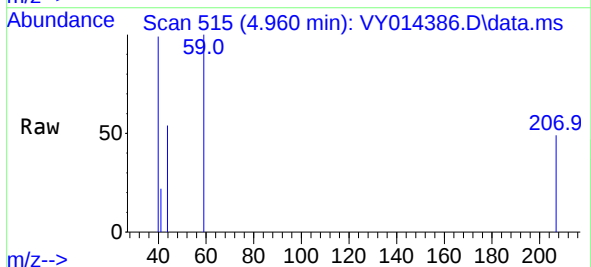
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE

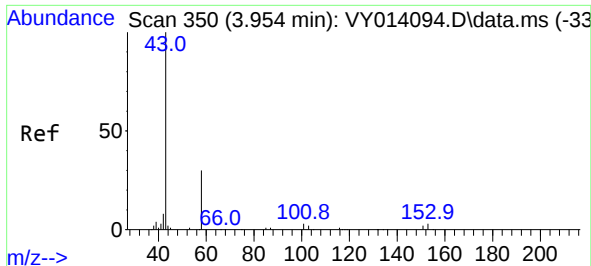
Tgt Ion:168 Resp: 172627
Ion Ratio Lower Upper
168 100
99 51.6 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Tgt Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 22.160 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014386.D

Acq: 22 Jun 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

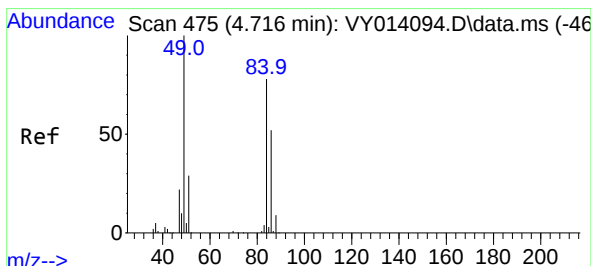
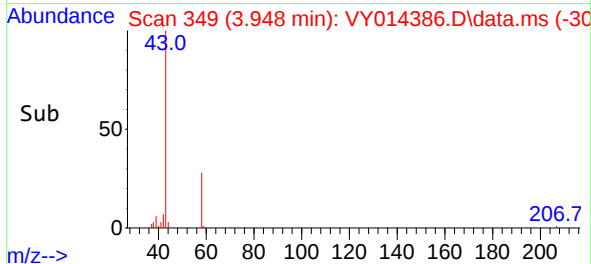
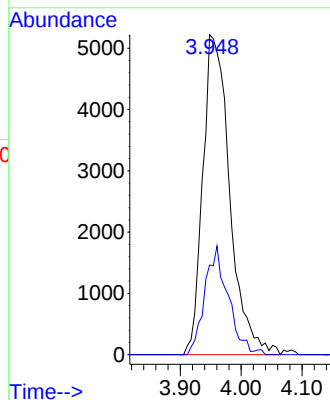
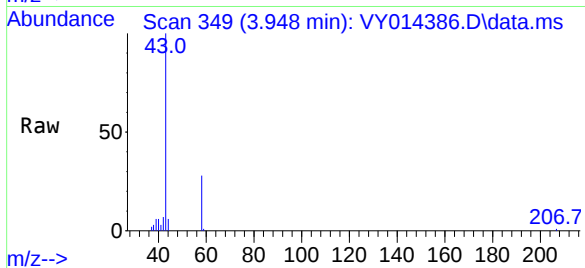
TOTAL-VOC-SW02-0-8-GRAB-7RE

Tgt Ion: 43 Resp: 16057

Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY014386.D

Acq: 22 Jun 2023 17:59

Tgt Ion: 84 Resp: 3578

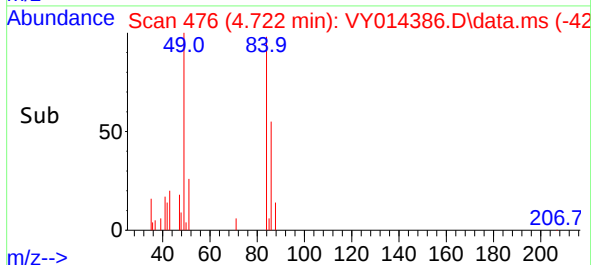
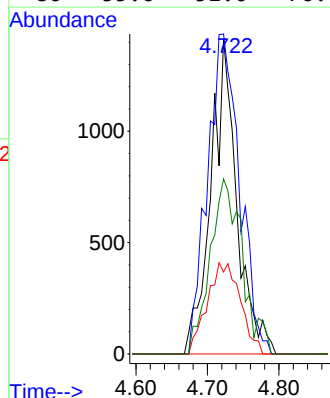
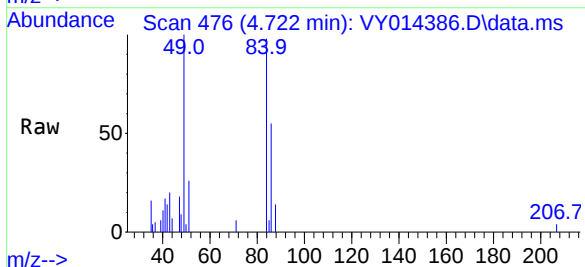
Ion Ratio Lower Upper

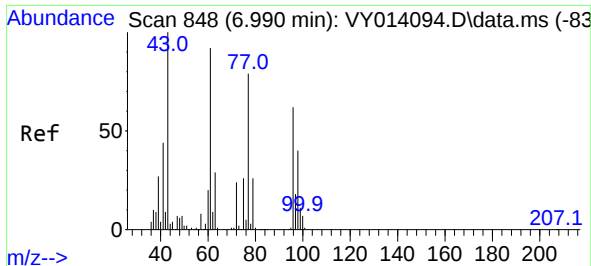
84 100

49 101.6 106.9 160.3#

51 26.0 33.2 49.8#

86 55.6 51.0 76.6

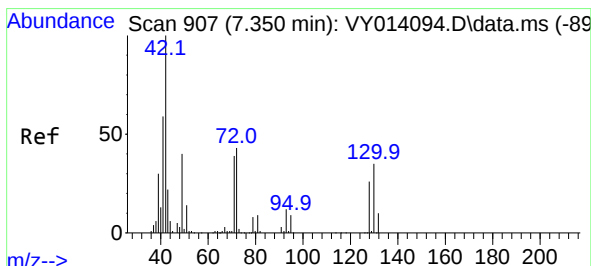
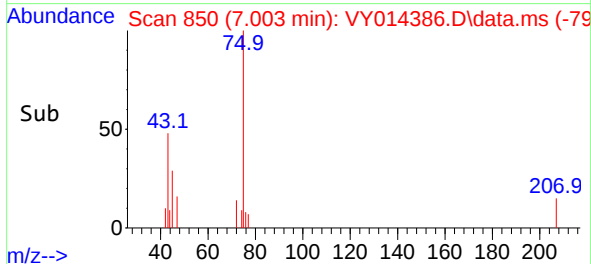
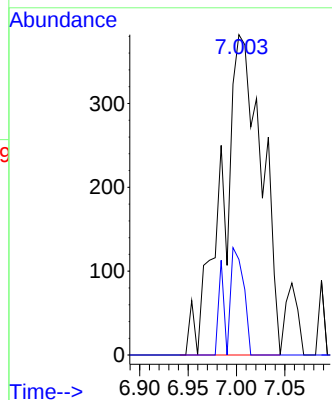
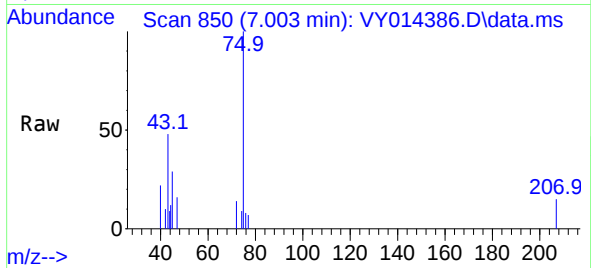




#25
2-Butanone
Concen: 1.212 ug/l
RT: 7.003 min Scan# 81
Delta R.T. 0.013 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

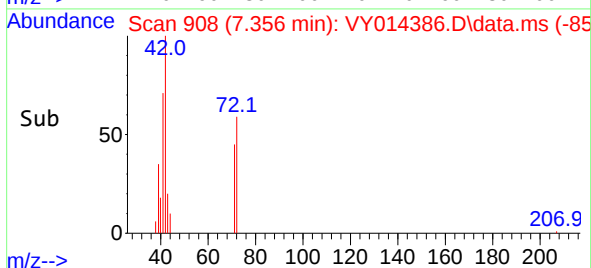
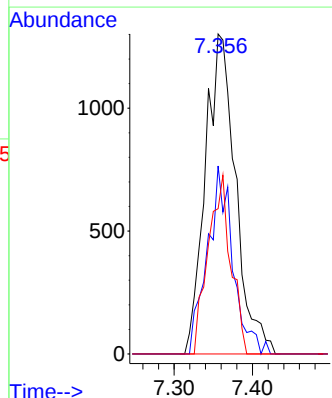
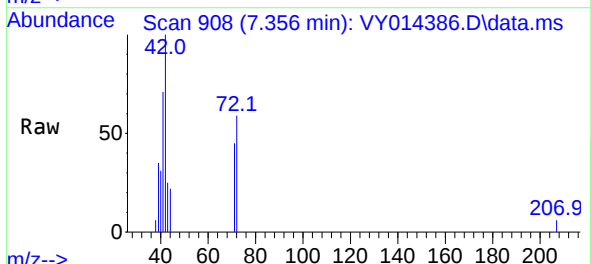
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE

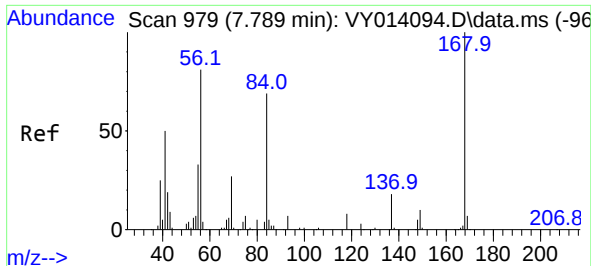
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
72 29.8 20.5 30.7



#29
Tetrahydrofuran
Concen: 6.176 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

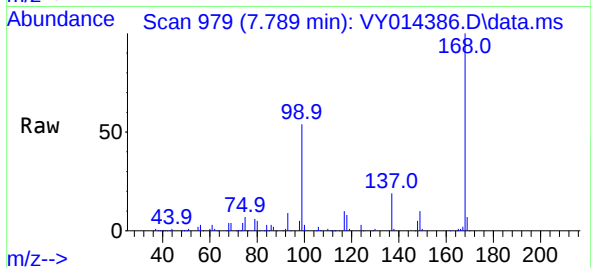
Tgt Ion: 42 Resp: 3493
Ion Ratio Lower Upper
42 100
72 49.4 32.8 49.2#
71 41.7 31.0 46.4



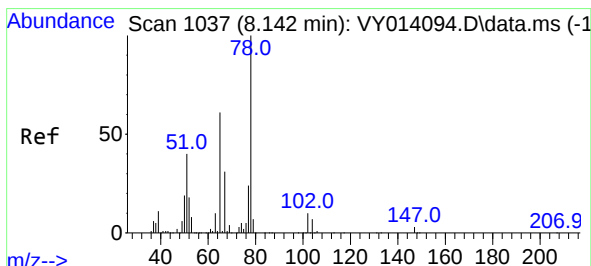
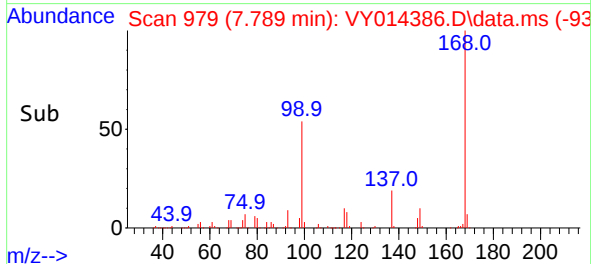
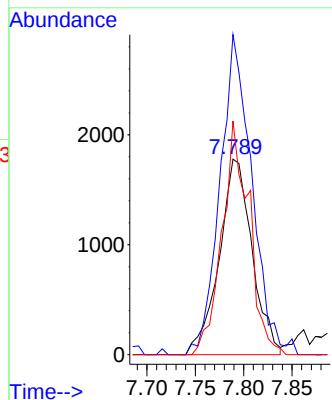


#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE

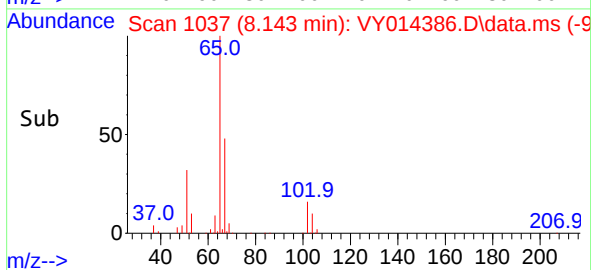
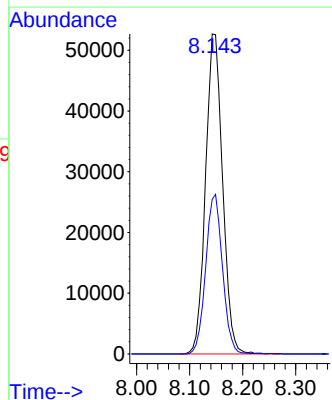
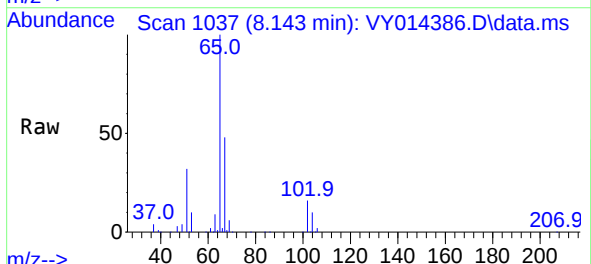


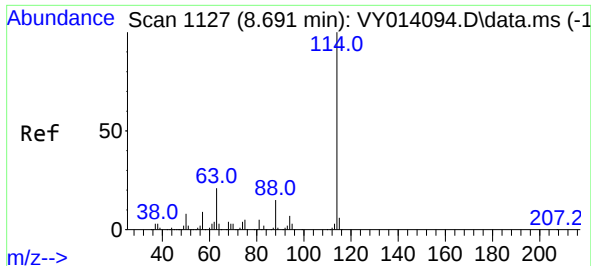
Tgt Ion: 56 Resp: 4217
Ion Ratio Lower Upper
56 100
69 163.6 27.8 41.6#
84 119.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.896 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Tgt Ion: 65 Resp: 117540
Ion Ratio Lower Upper
65 100
67 49.1 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: VY014386.D

Acq: 22 Jun 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW02-0-8-GRAB-7RE

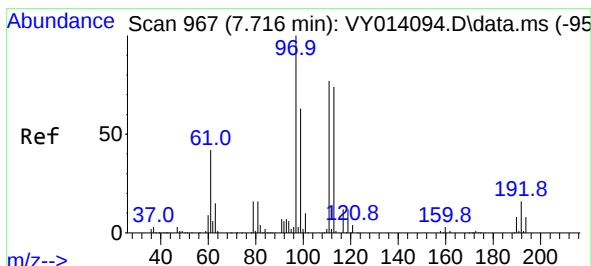
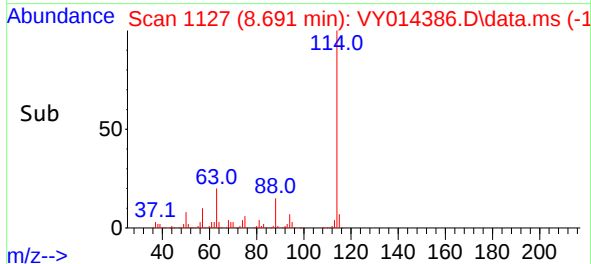
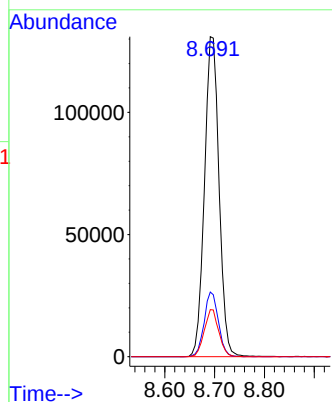
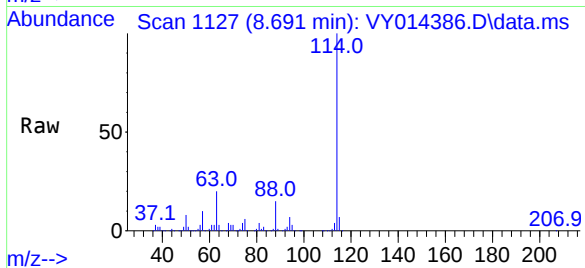
Tgt Ion:114 Resp: 265399

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.453 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014386.D

Acq: 22 Jun 2023 17:59

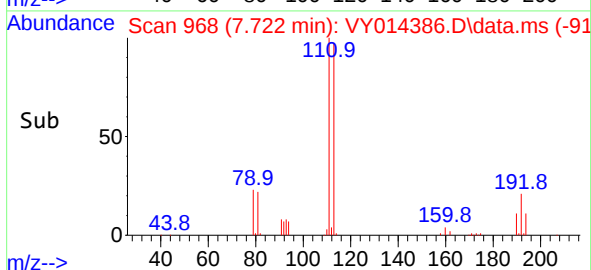
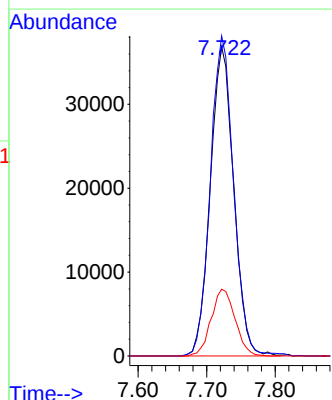
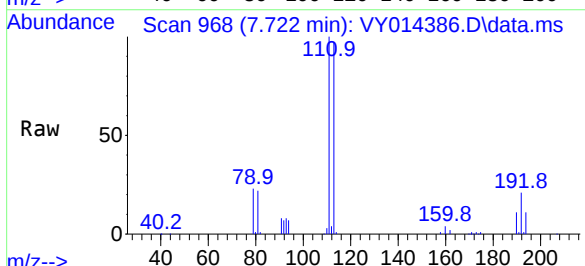
Tgt Ion:113 Resp: 87431

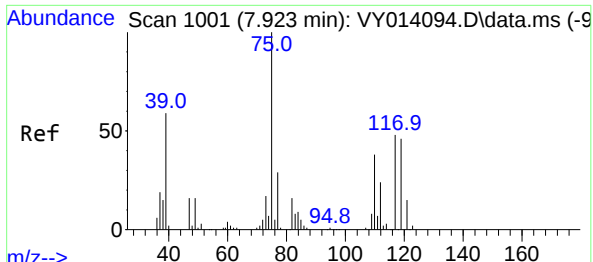
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 22.0 16.9 25.3

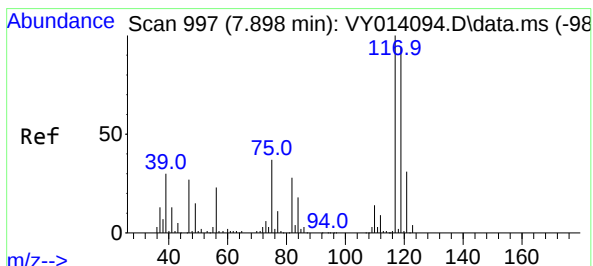
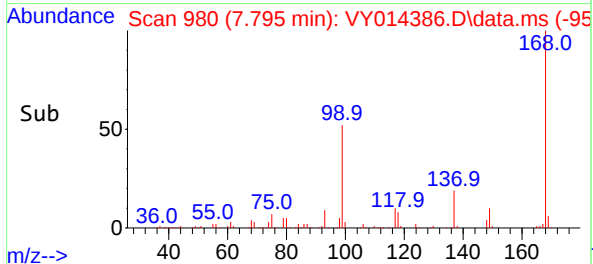
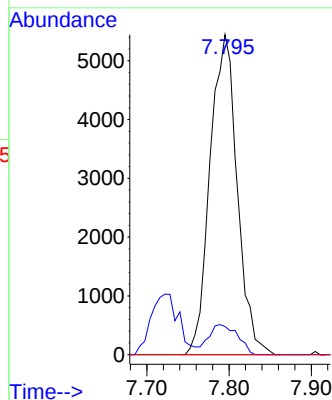
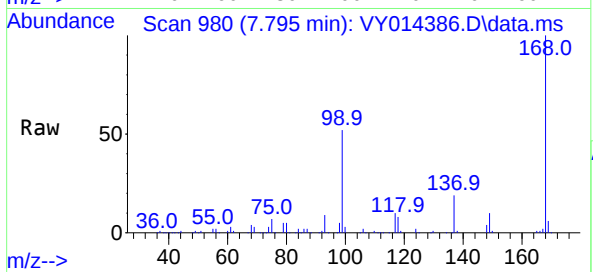




#36
1,1-Dichloropropene
Concen: 4.256 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

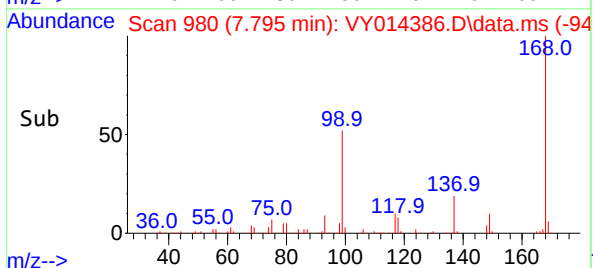
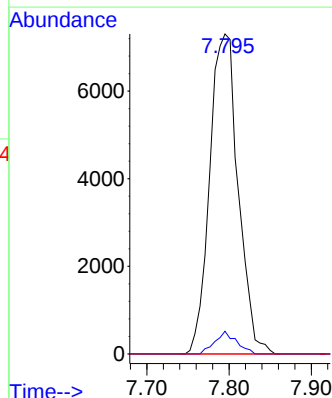
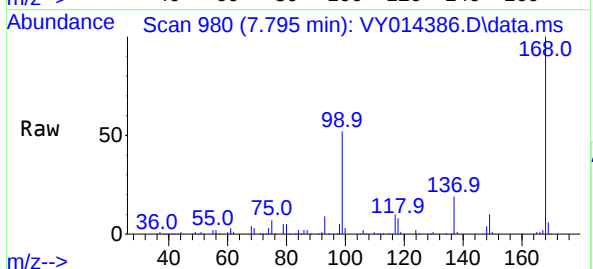
Instrument : MSVOA_Y
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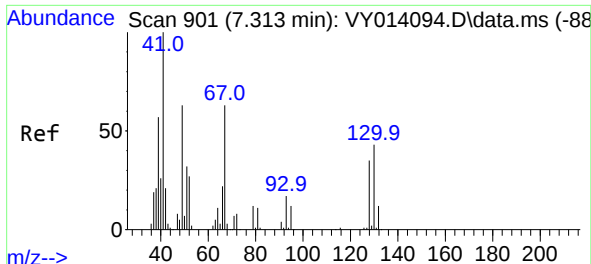
Tgt Ion: 75 Resp: 12489
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.192 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Tgt Ion: 117 Resp: 17582
Ion Ratio Lower Upper
117 100
119 7.1 76.4 114.6#
121 0.0 25.8 38.6#

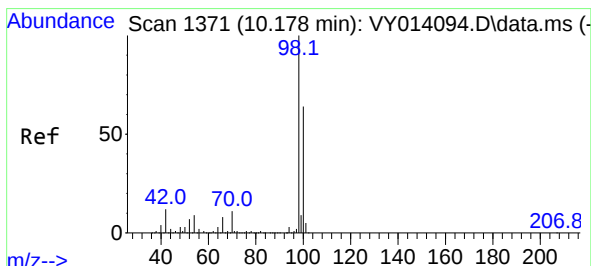
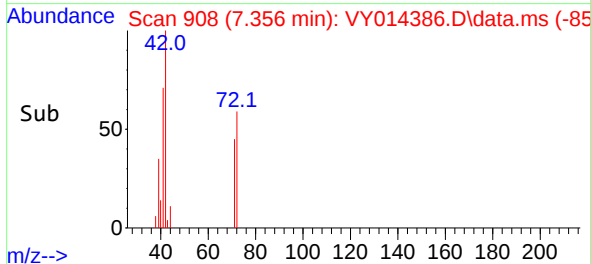
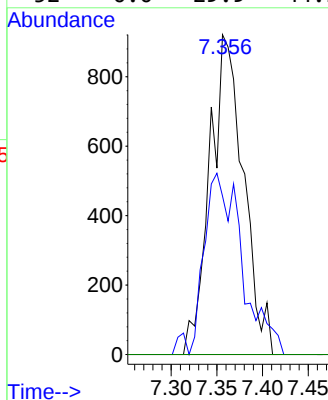
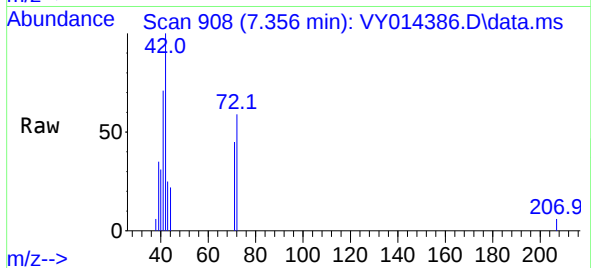




#41
Methacrylonitrile
Concen: 2.272 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

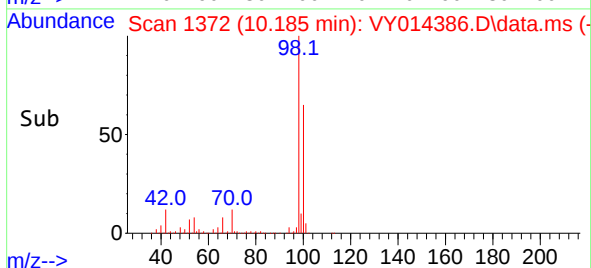
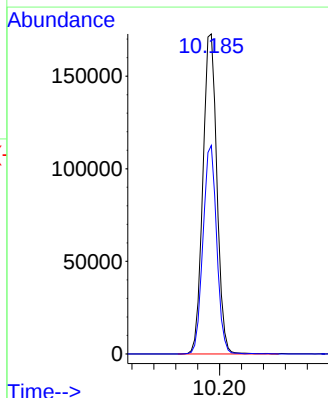
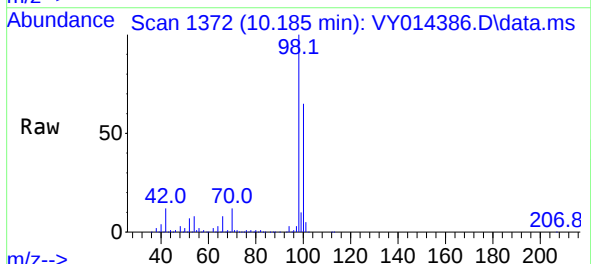
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE

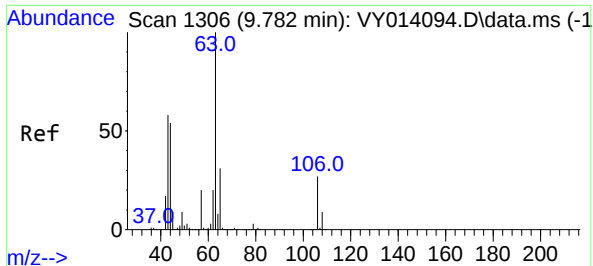
Tgt Ion: 41	Resp: 2348
Ion Ratio	Lower Upper
41 100	
39 65.3	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 43.410 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Tgt Ion: 98	Resp: 305460
Ion Ratio	Lower Upper
98 100	
100 63.6	50.1 75.1

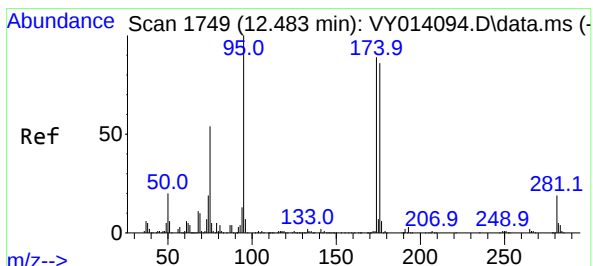
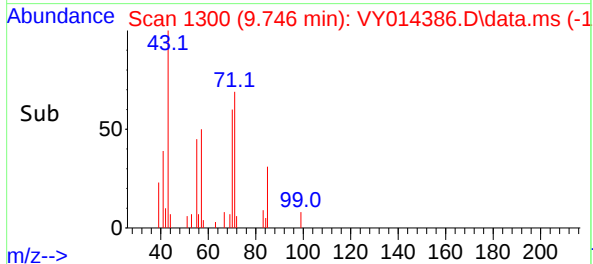
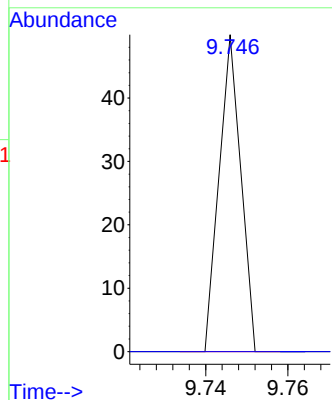
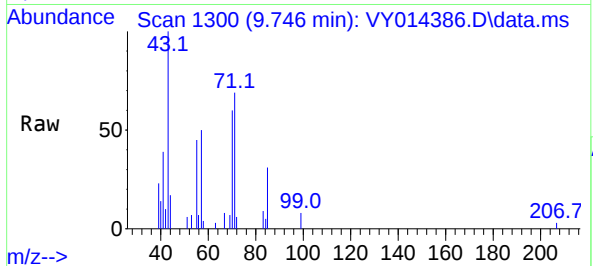




#58
2-Chloroethyl Vinyl ether
Concen: 28.634 ug/l
RT: 9.746 min Scan# 11
Delta R.T. -0.036 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

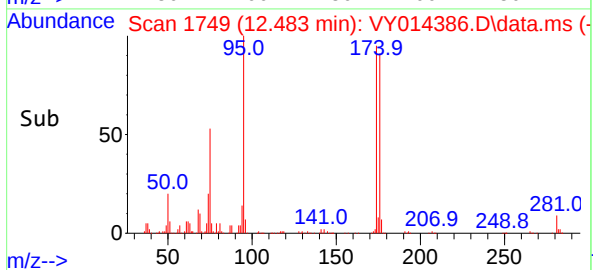
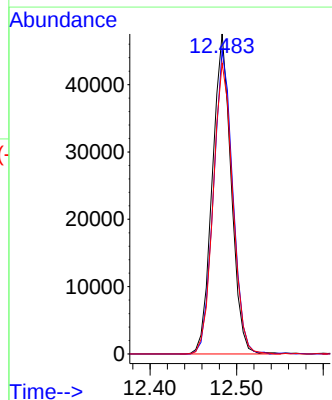
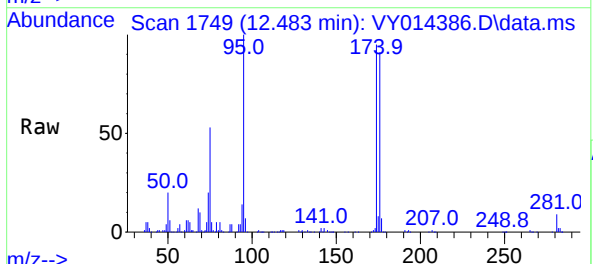
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE

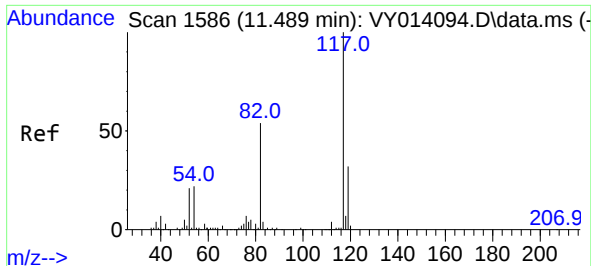
Tgt Ion: 63 Resp: 18
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 28.685 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Tgt Ion: 95 Resp: 71701
Ion Ratio Lower Upper
95 100
174 96.8 0.0 178.2
176 94.3 0.0 173.8

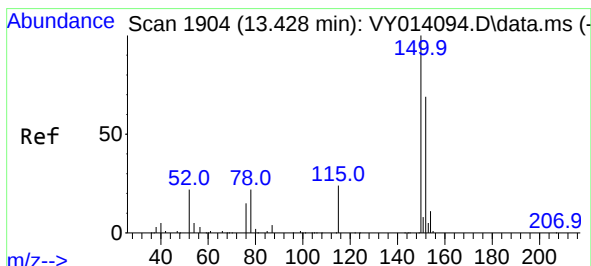
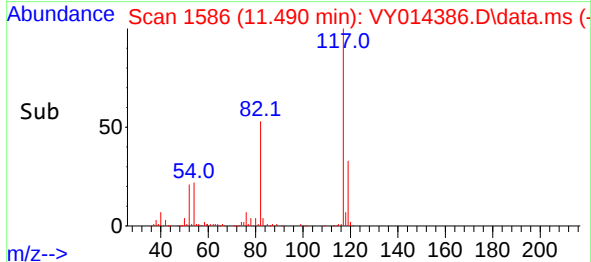
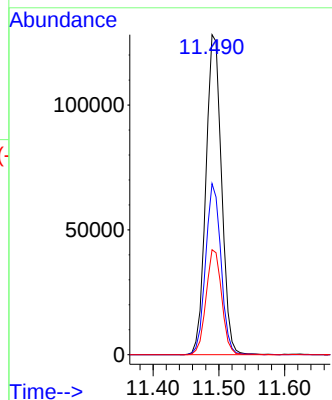
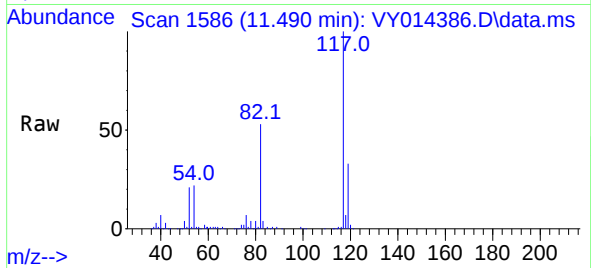




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

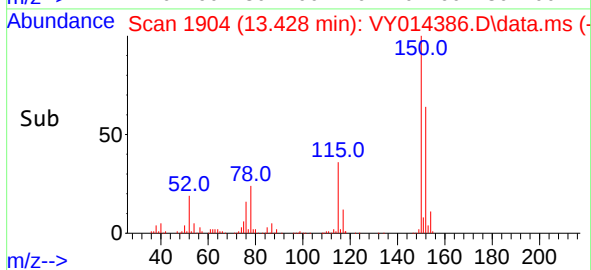
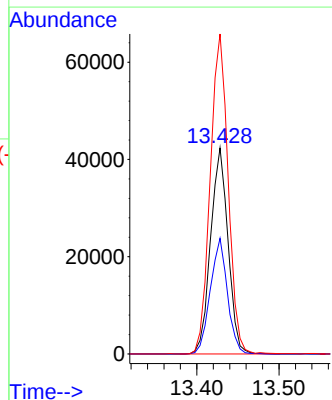
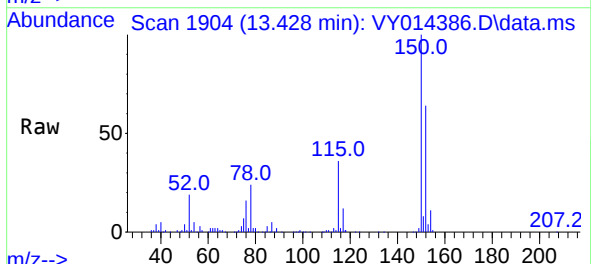
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE

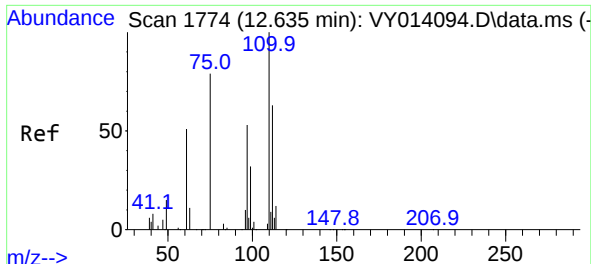
Tgt Ion:117 Resp: 212514
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Tgt Ion:152 Resp: 62657
Ion Ratio Lower Upper
152 100
115 55.0 28.8 86.5
150 159.3 0.0 348.8

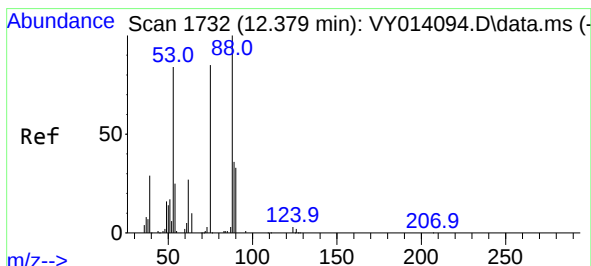
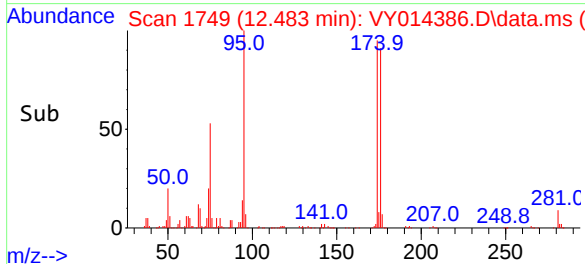
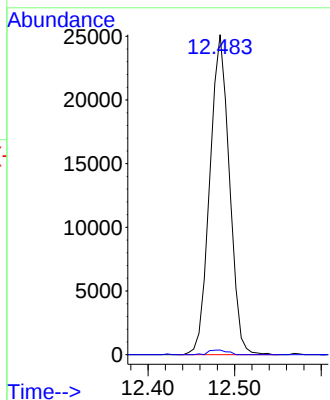
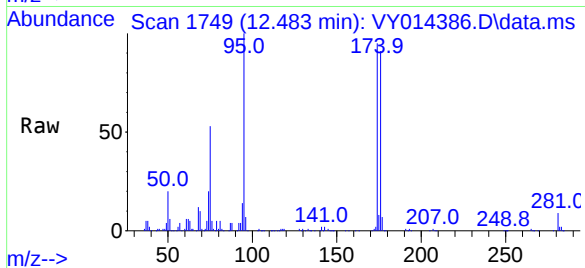




#76
1,2,3-Trichloropropane
Concen: 48.078 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

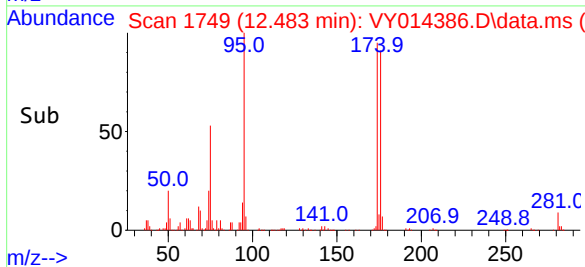
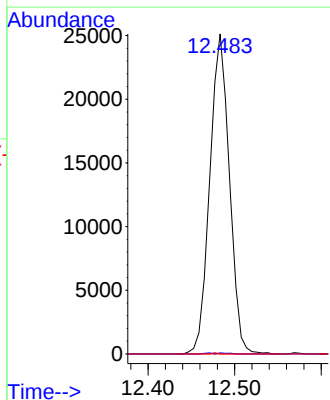
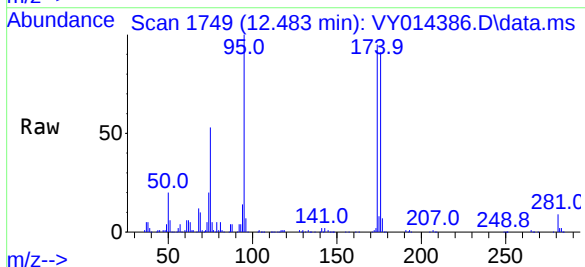
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE

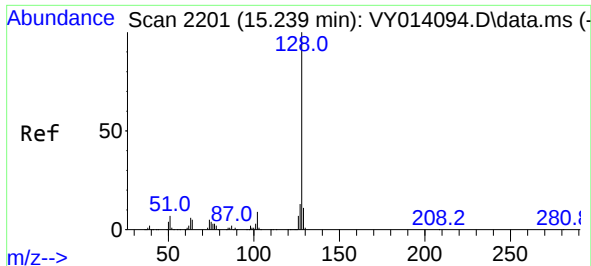
Tgt Ion: 75 Resp: 39522
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.925 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

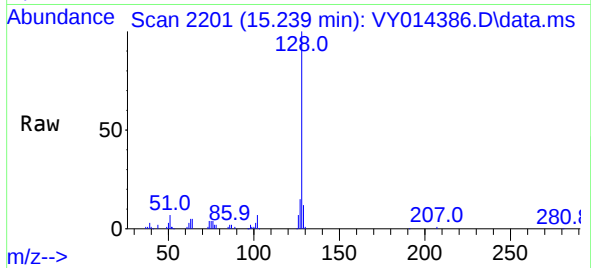
Tgt Ion: 75 Resp: 39522
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#





#95
Naphthalene
Concen: 13.148 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY014386.D
Acq: 22 Jun 2023 17:59

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-7RE



Tgt Ion:	128	Resp:	36421
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	12.2	8.6	13.0

