

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014158.D
 Acq On : 14 Jun 2023 17:03
 Operator : KP/MD
 Sample : 03224-19
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 15 01:43:39 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)

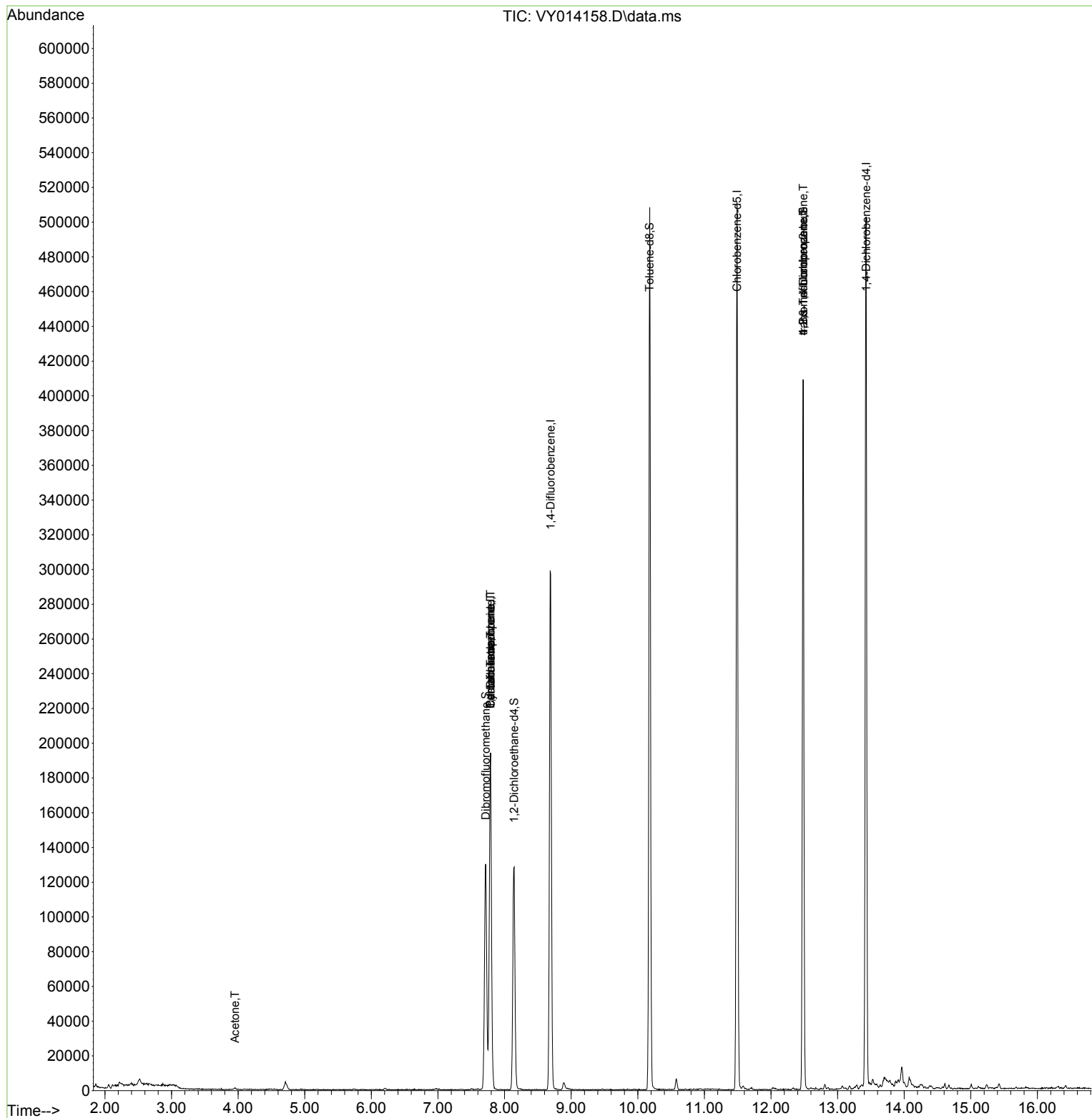
Internal Standards						
1) Pentafluorobenzene	7.789	168	148620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	255025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	266924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107905	52.139	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 104.280%		
35) Dibromofluoromethane	7.716	113	87037	48.124	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 96.240%		
50) Toluene-d8	10.179	98	317437	46.947	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 93.900%		
62) 4-Bromofluorobenzene	12.483	95	111613	46.469	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 92.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.973	59	38	Below Cal	#	89
13) Acrolein	3.747	56	96	Below Cal	#	43
16) Acetone	3.954	43	1585	2.541	ug/l	91
20) Methylene Chloride	4.710	84	2833	Below Cal		90
31) Cyclohexane	7.789	56	3432	1.238	ug/l #	40
36) 1,1-Dichloropropene	7.789	75	11320	4.015	ug/l #	51
38) Carbon Tetrachloride	7.789	117	14436	4.437	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	61688	36.000	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61688	77.818	ug/l #	11

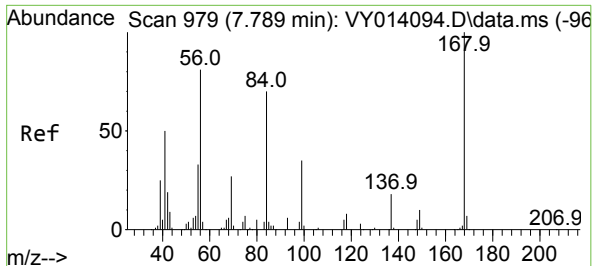
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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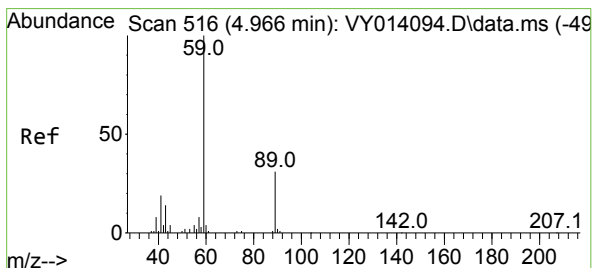
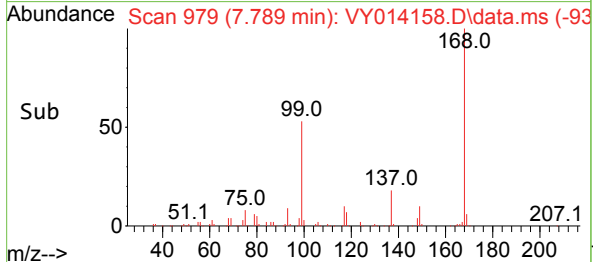
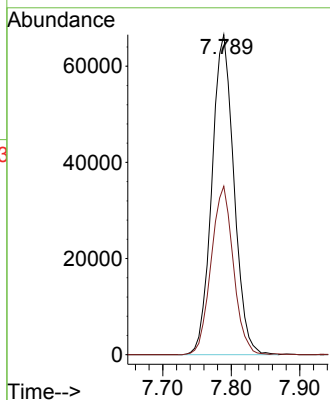
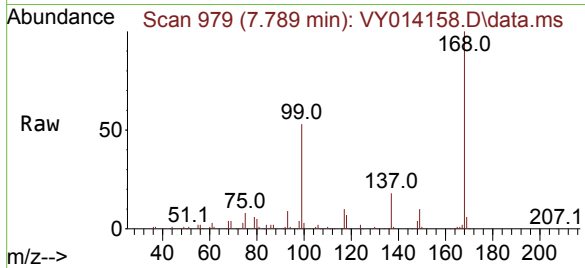




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

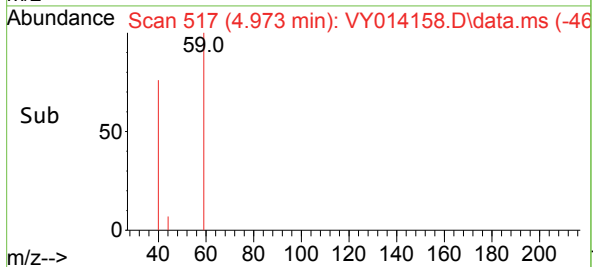
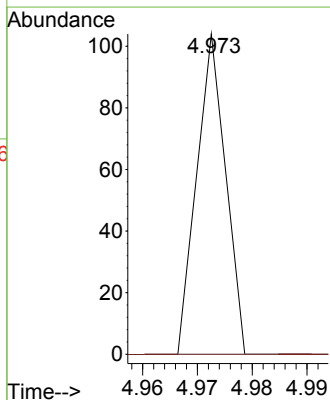
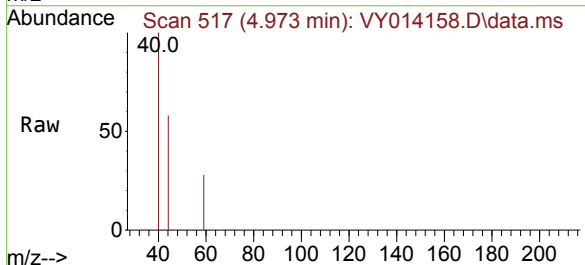
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MSVOA_Y
ClientSampleId :
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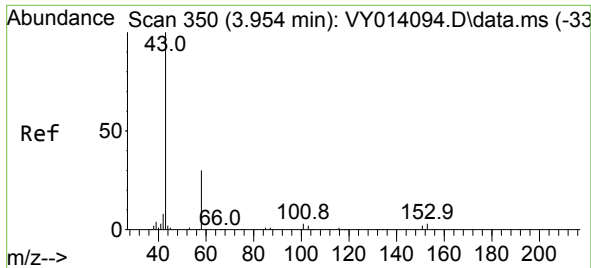
Tgt Ion:168 Resp: 148620
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.007 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 59 Resp: 38
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 2.541 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014158.D

Acq: 14 Jun 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

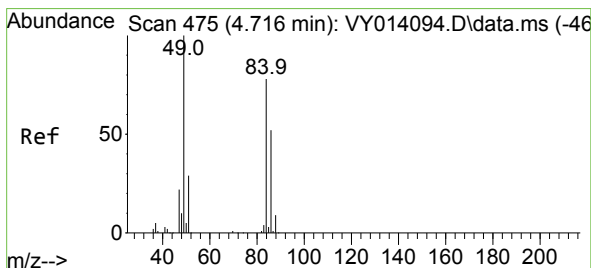
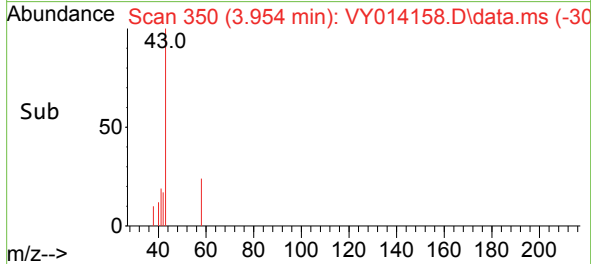
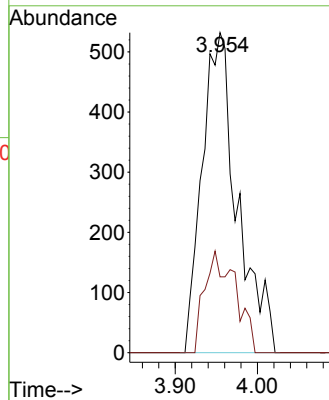
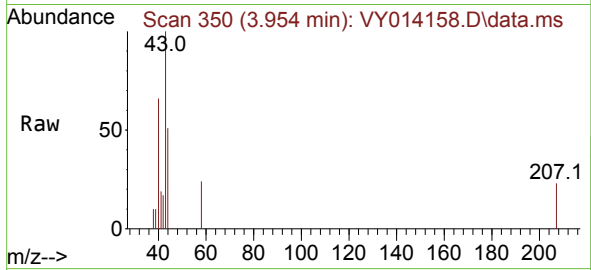
TRIP-BLANK

Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

43 100

58 23.7 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014158.D

Acq: 14 Jun 2023 17:03

Tgt Ion: 84 Resp: 2833

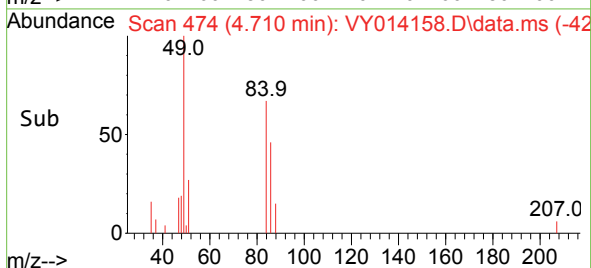
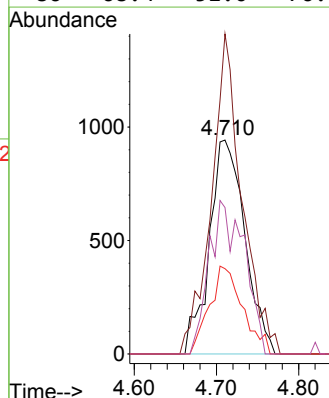
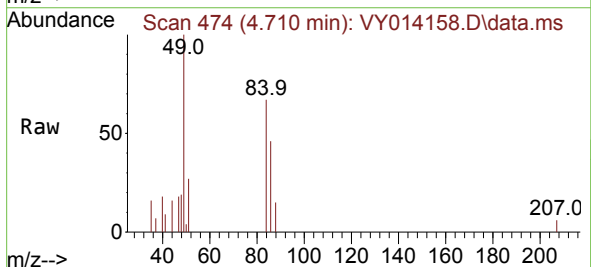
Ion Ratio Lower Upper

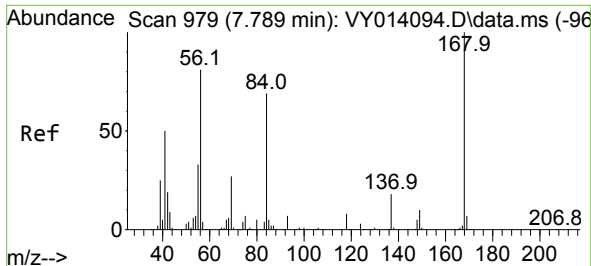
84 100

49 149.5 106.9 160.3

51 39.9 33.2 49.8

86 68.4 51.0 76.6

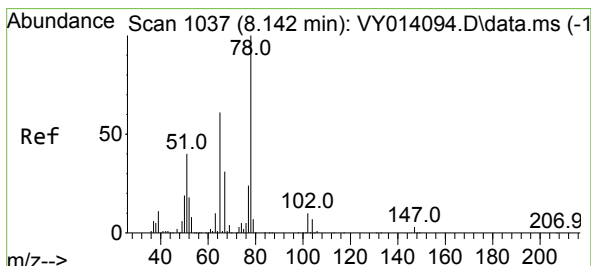
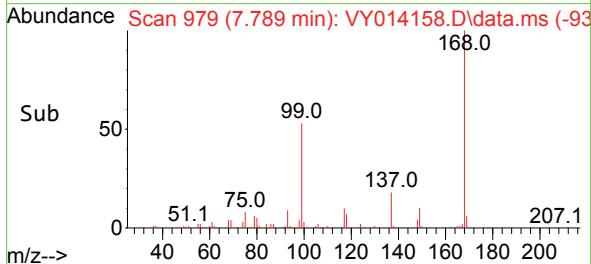
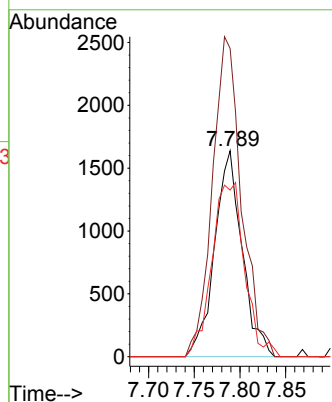
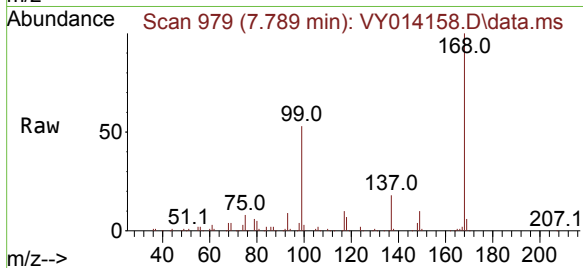




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

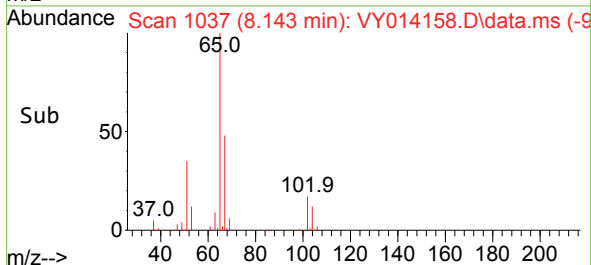
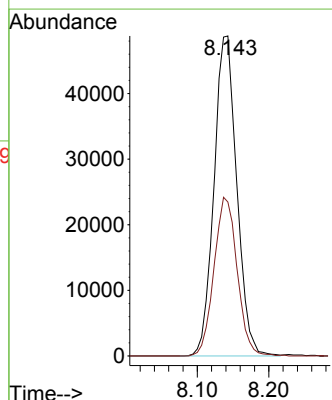
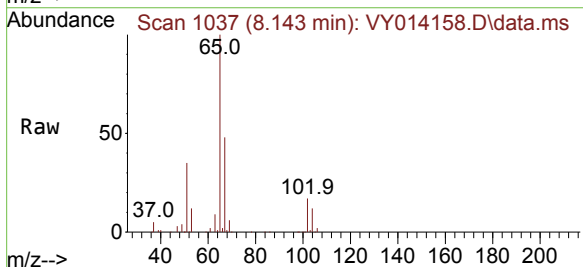
Instrument :
MSVOA_Y
ClientSampleId :
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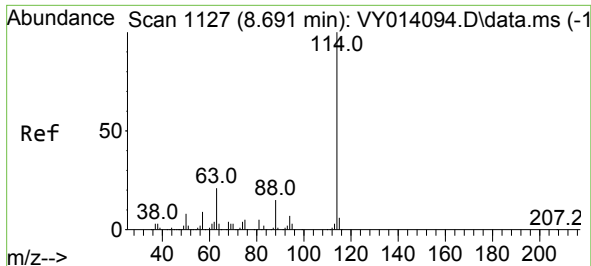
Tgt Ion: 56 Resp: 3432
Ion Ratio Lower Upper
56 100
69 149.6 27.8 41.6#
84 80.9 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 52.139 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 65 Resp: 107905
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

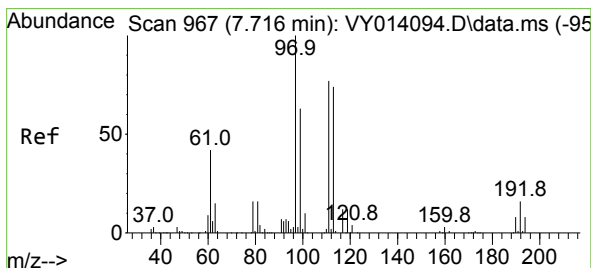
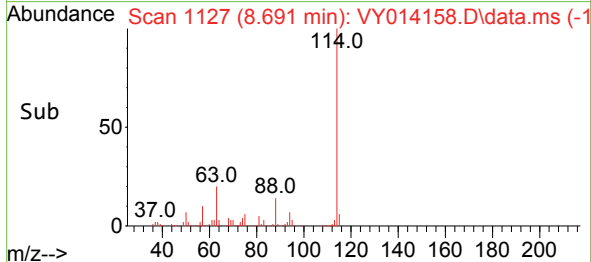
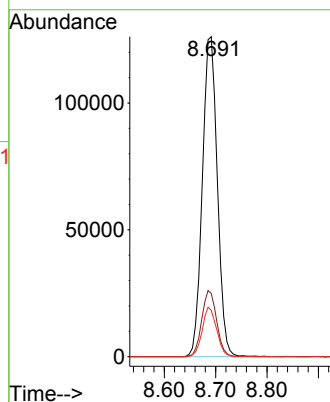
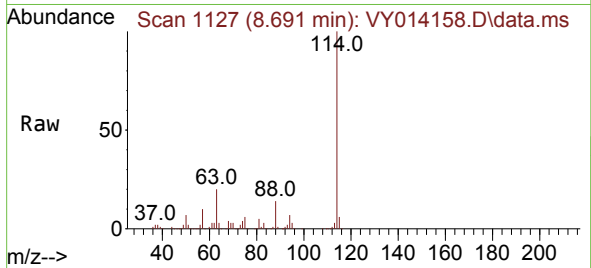




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014158.D
 Acq: 14 Jun 2023 17:03

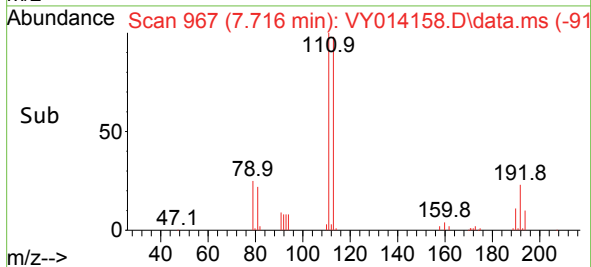
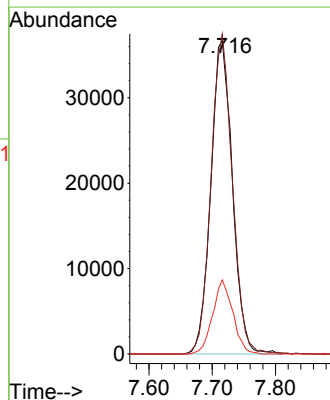
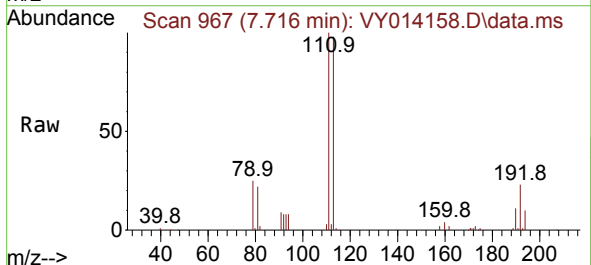
Instrument :
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 ClientSampleId :
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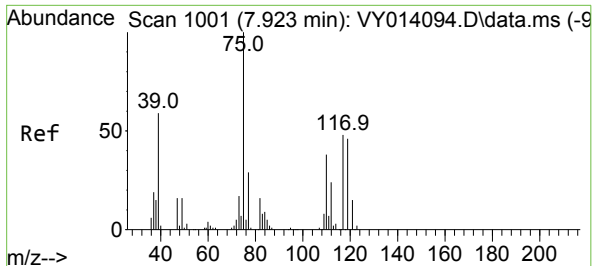
Tgt Ion:	114	Resp:	255025
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.4
88	14.5	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 48.124 ug/l
 RT: 7.716 min Scan# 967
 Delta R.T. -0.000 min
 Lab File: VY014158.D
 Acq: 14 Jun 2023 17:03

Tgt Ion:	113	Resp:	87037
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.3	121.9
192	22.0	16.9	25.3

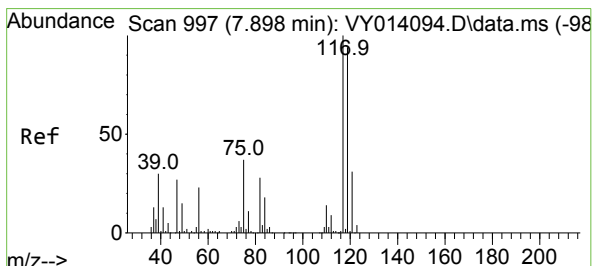
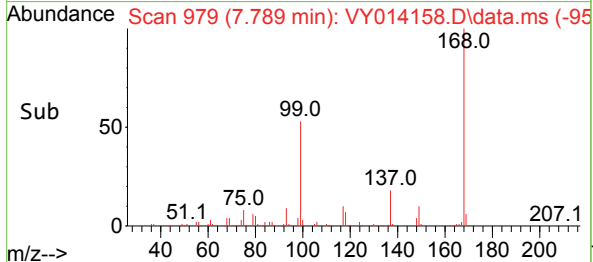
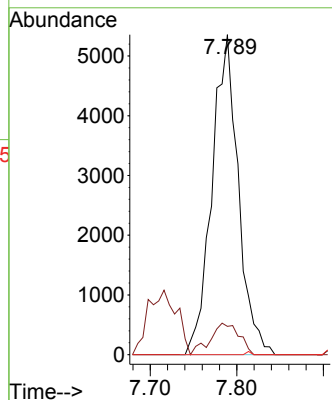
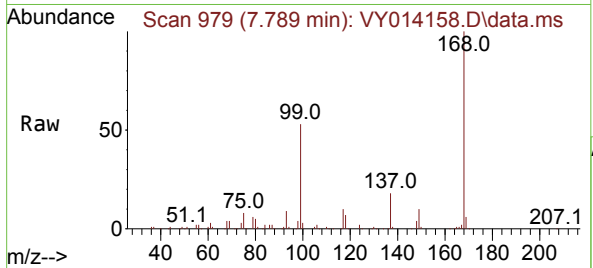




#36
1,1-Dichloropropene
Concen: 4.015 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

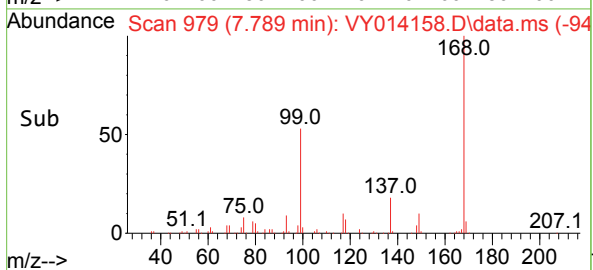
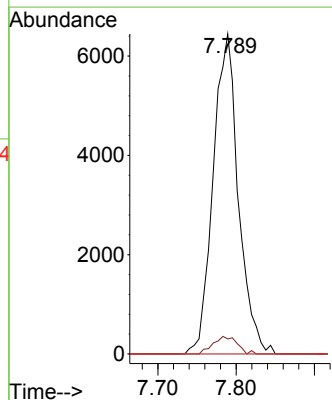
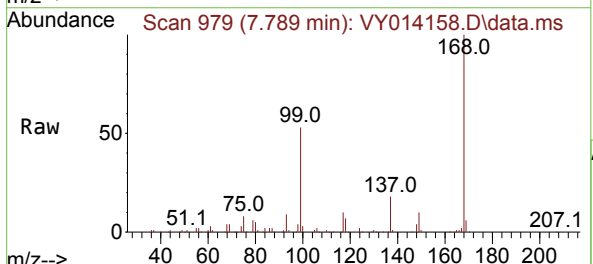
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ClientSampleId :
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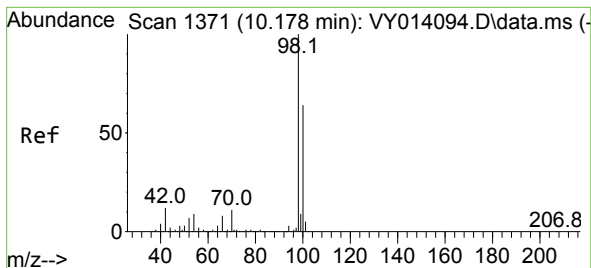
Tgt Ion: 75 Resp: 11320
Ion Ratio Lower Upper
75 100
110 10.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.437 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

Tgt Ion:117 Resp: 14436
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#

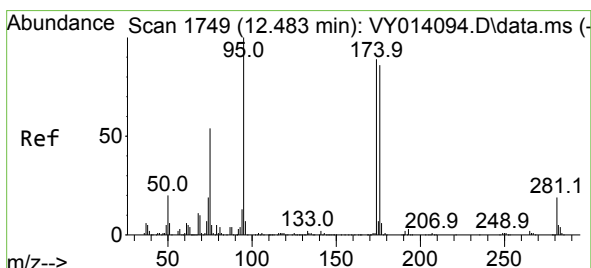
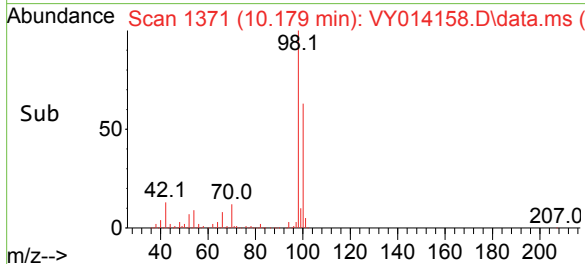
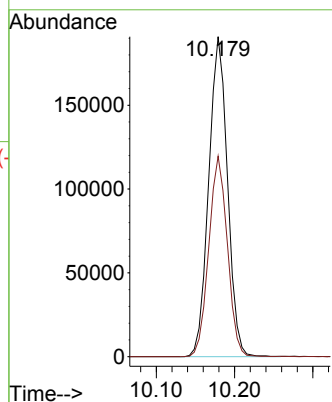
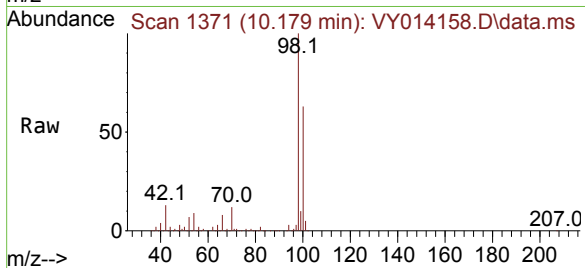




#50
Toluene-d8
Concen: 46.947 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

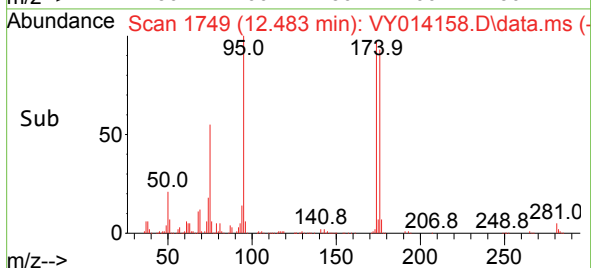
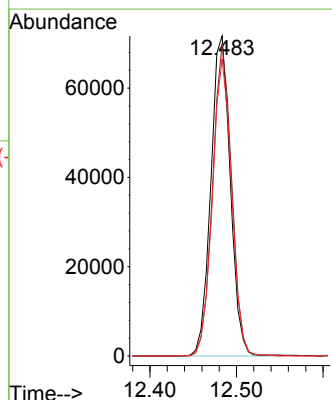
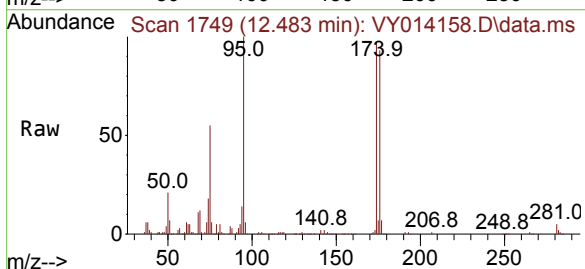
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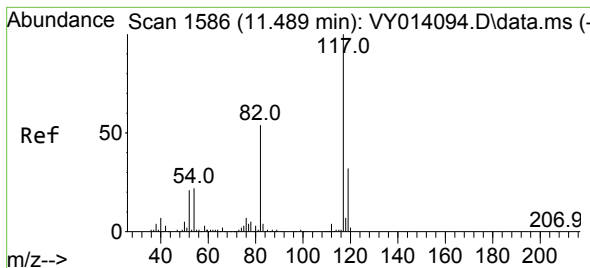
Tgt Ion: 98 Resp: 317437
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.469 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 95 Resp: 111613
Ion Ratio Lower Upper
95 100
174 95.6 0.0 178.2
176 91.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014158.D

Acq: 14 Jun 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

TRIP-BLANK

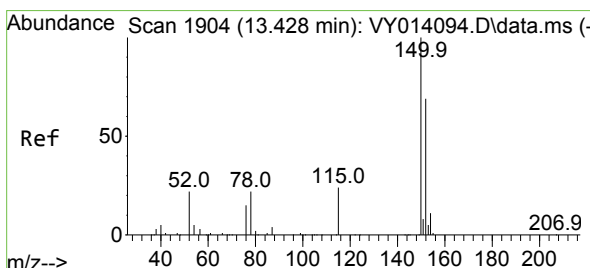
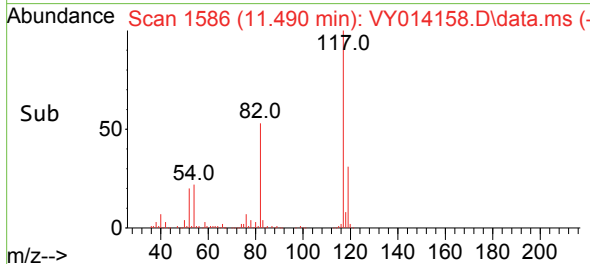
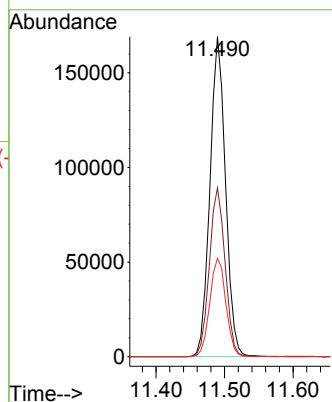
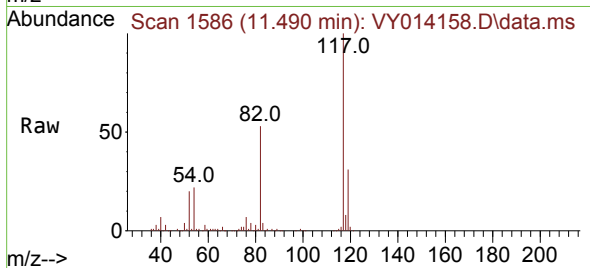
Tgt Ion:117 Resp: 266924

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 30.8 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: VY014158.D

Acq: 14 Jun 2023 17:03

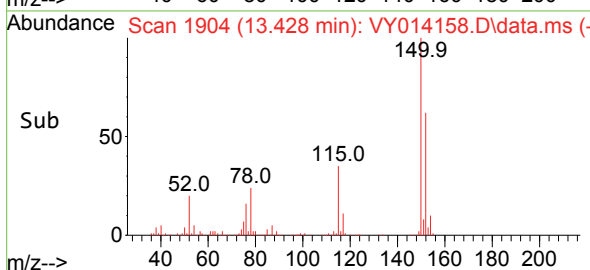
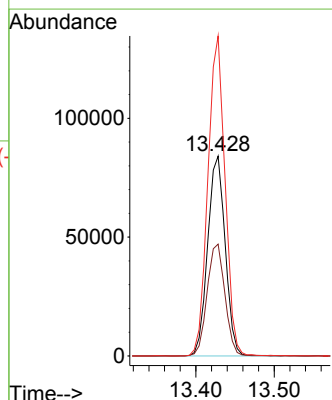
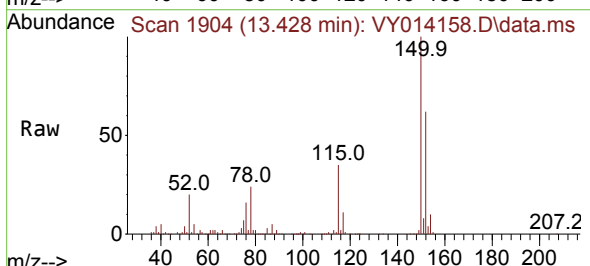
Tgt Ion:152 Resp: 130608

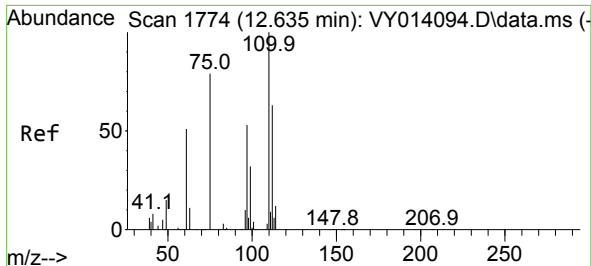
Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 156.5 0.0 348.8

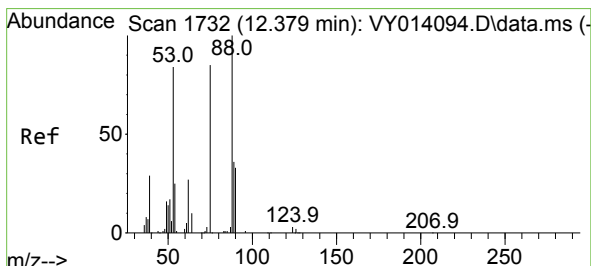
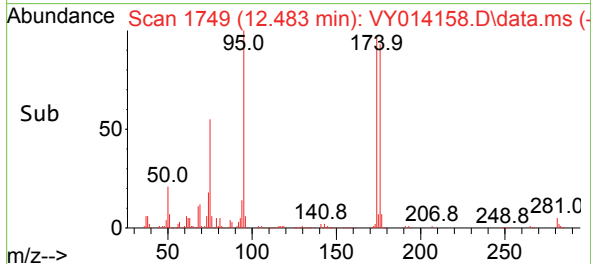
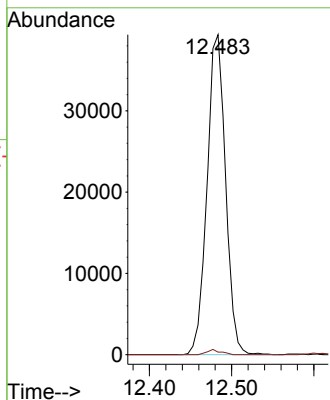
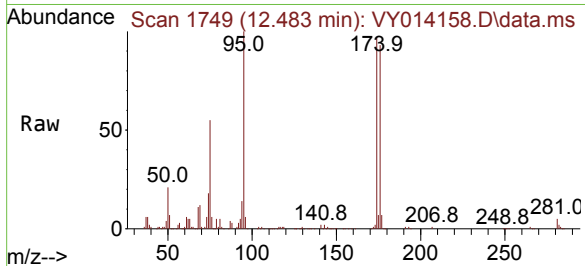




#76
1,2,3-Trichloropropane
Concen: 36.000 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

Instrument :
MSVOA_Y
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 61688
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.818 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014158.D
Acq: 14 Jun 2023 17:03

Tgt Ion: 75 Resp: 61688
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#

