

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014199.D
 Acq On : 15 Jun 2023 19:00
 Operator : KP/MD
 Sample : 03139-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jun 16 02:12:23 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)

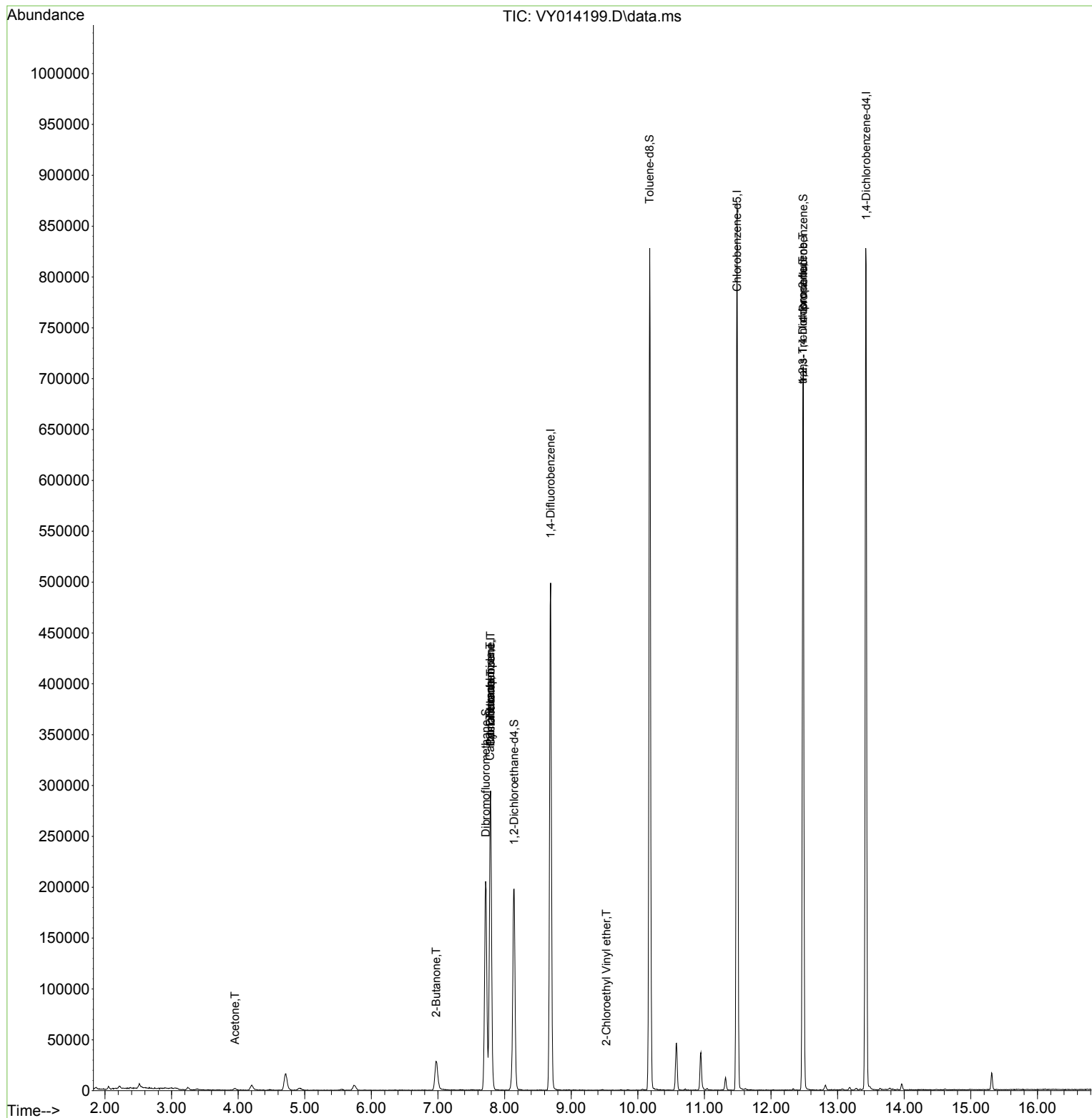
Internal Standards						
1) Pentafluorobenzene	7.789	168	227284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	409940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	440542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	211650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	164555	51.993	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.980%			
35) Dibromofluoromethane	7.716	113	138024	47.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.960%			
50) Toluene-d8	10.179	98	525687	48.366	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.483	95	192505	49.860	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.720%			
Target Compounds						
11) Tert butyl alcohol	4.917	59	2504	Below Cal	#	89
13) Acrolein	3.729	56	78	Below Cal	#	14
16) Acetone	3.954	43	3035	3.181	ug/l #	88
25) 2-Butanone	6.972	43	1884	1.604	ug/l #	78
31) Cyclohexane	7.789	56	5096	1.202	ug/l #	31
36) 1,1-Dichloropropene	7.789	75	17256	3.807	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21936	4.194	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.526	63	52	28.646	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	106326	38.291	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	106326	82.770	ug/l #	11

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

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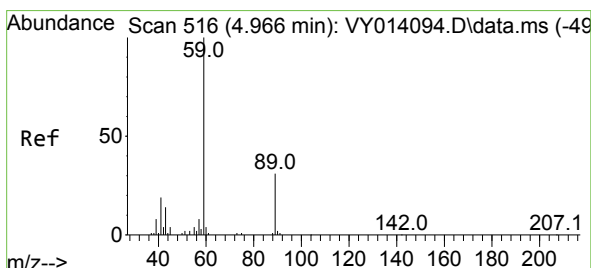
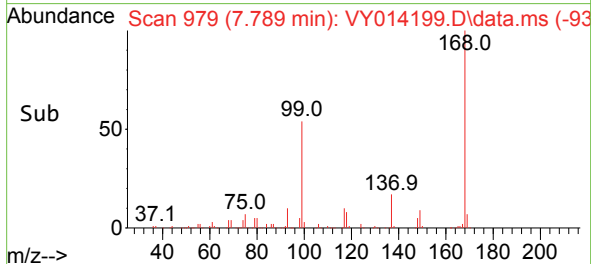
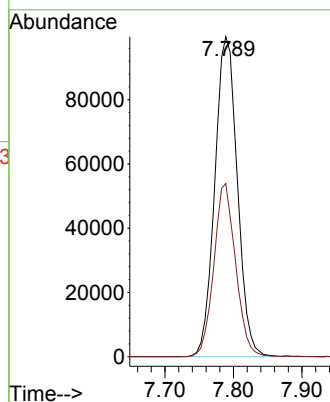
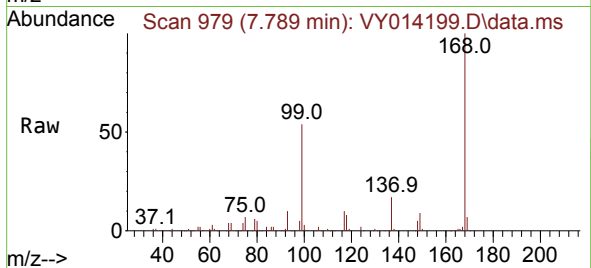




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

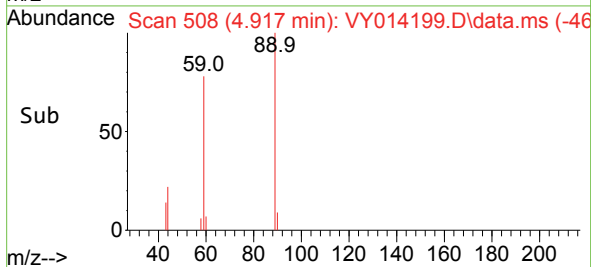
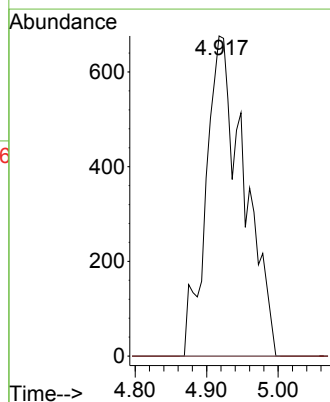
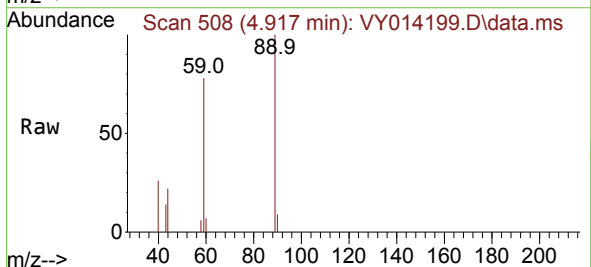
Instrument :
MSVOA_Y
ClientSampleId :
VOC

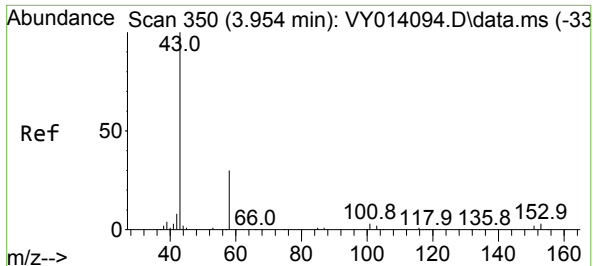
Tgt Ion:168 Resp: 227284
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.049 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

Tgt Ion: 59 Resp: 2504
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 3.181 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014199.D

Acq: 15 Jun 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

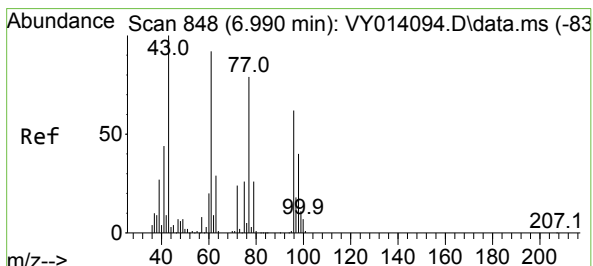
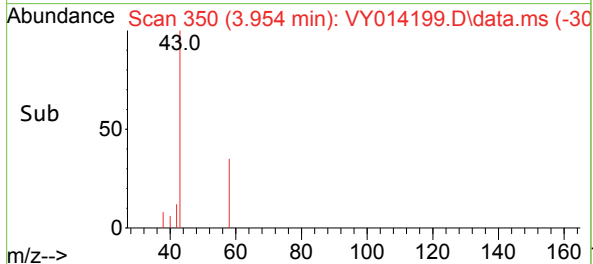
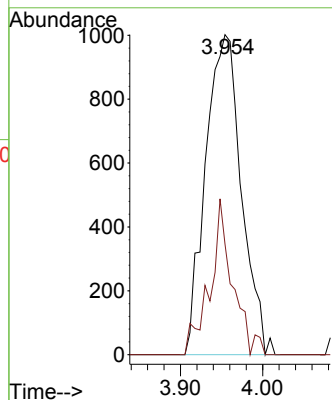
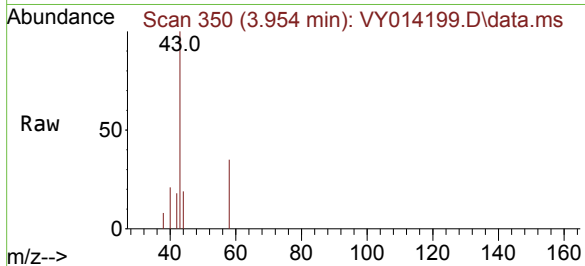
VOC

Tgt Ion: 43 Resp: 3035

Ion Ratio Lower Upper

43 100

58 34.5 22.7 34.1#



#25

2-Butanone

Concen: 1.604 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.018 min

Lab File: VY014199.D

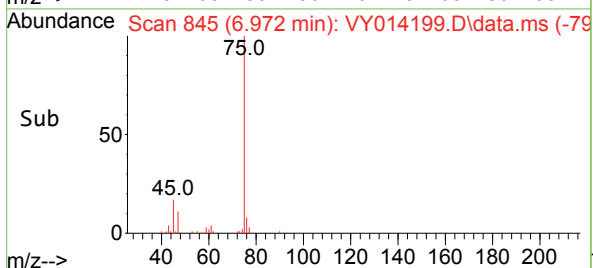
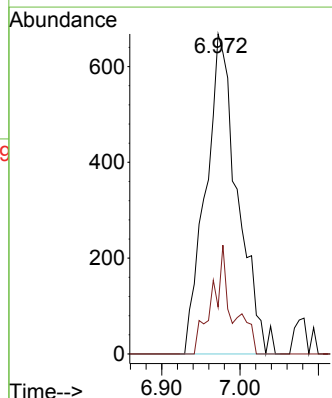
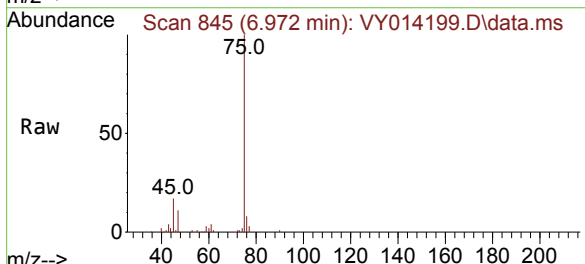
Acq: 15 Jun 2023 19:00

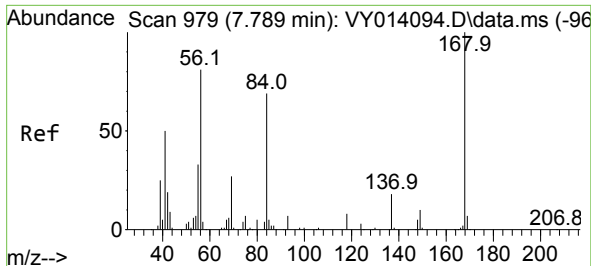
Tgt Ion: 43 Resp: 1884

Ion Ratio Lower Upper

43 100

72 14.7 20.5 30.7#

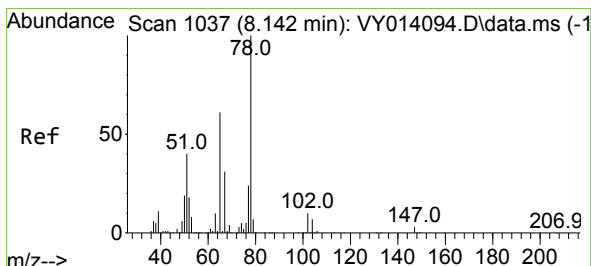
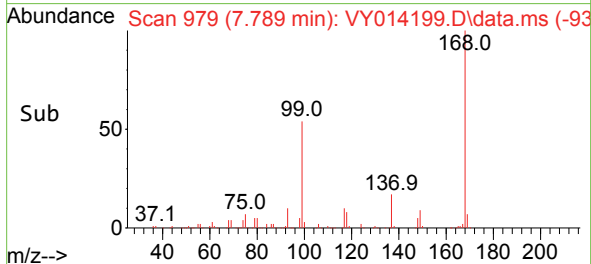
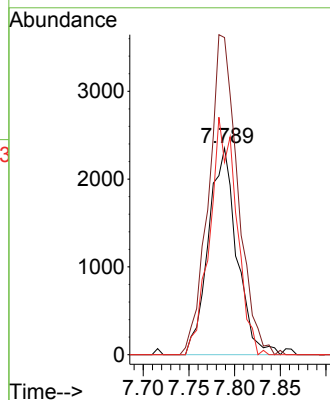
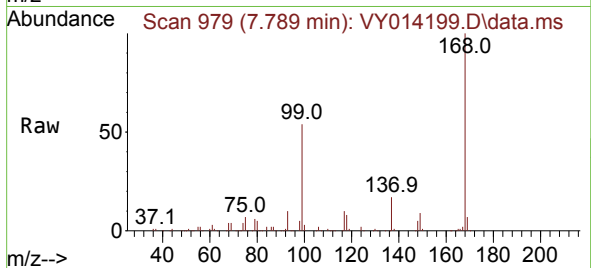




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

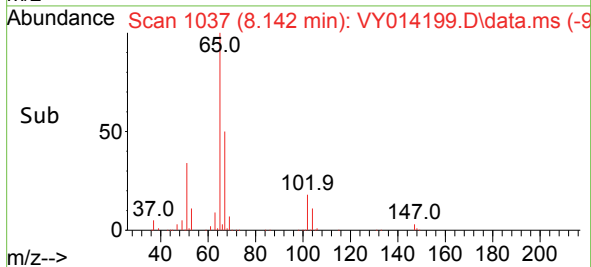
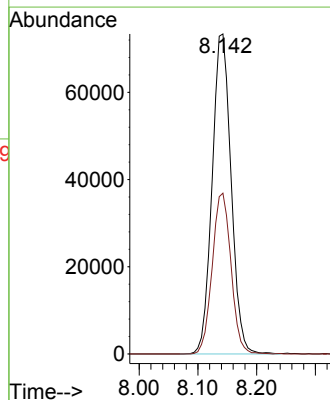
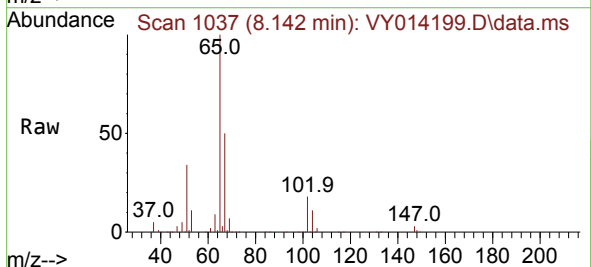
Instrument :
MSVOA_Y
ClientSampleId :
VOC

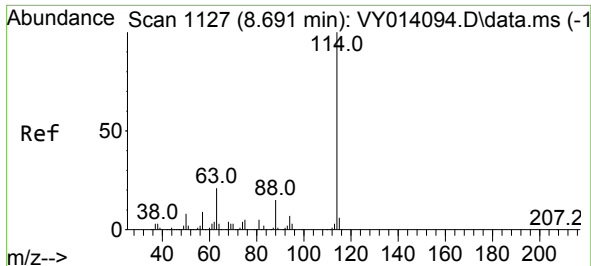
Tgt Ion: 56 Resp: 5096
Ion Ratio Lower Upper
56 100
69 153.6 27.8 41.6#
84 93.2 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 51.993 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

Tgt Ion: 65 Resp: 164555
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.8

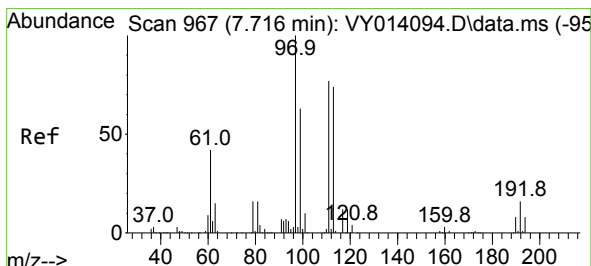
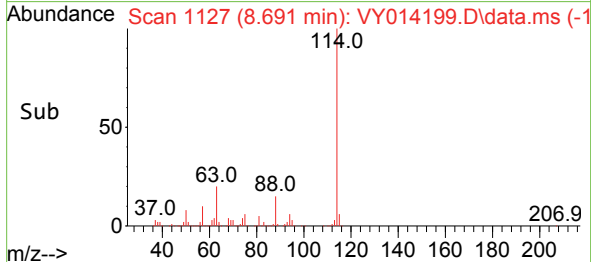
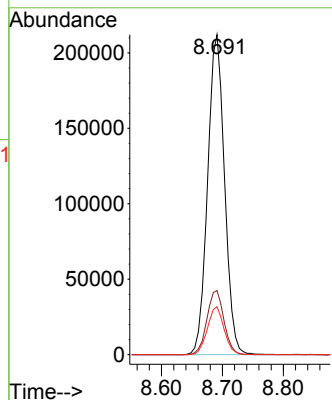
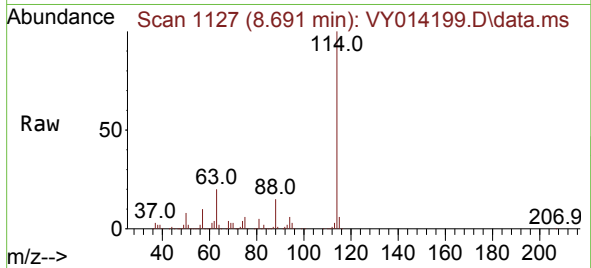




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

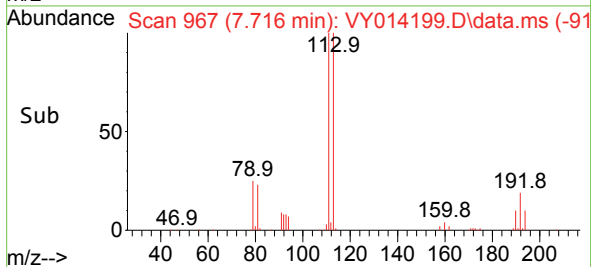
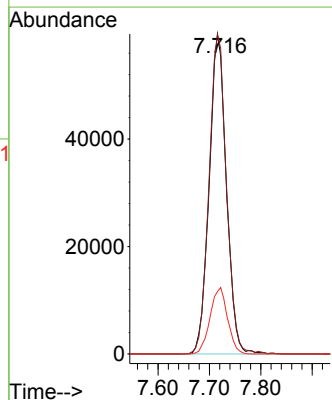
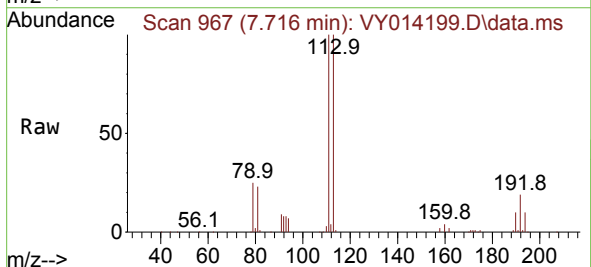
Instrument :
MSVOA_Y
ClientSampleId :
VOC

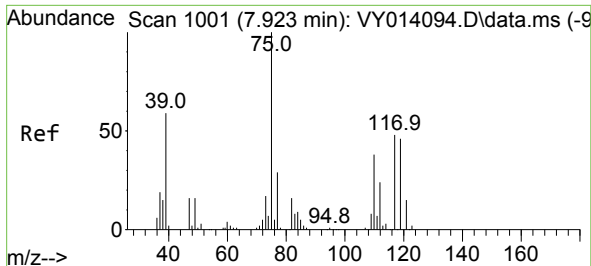
Tgt Ion:114	Resp:	409940
Ion	Ratio	Lower Upper
114	100	
63	20.0	0.0 42.4
88	15.0	0.0 30.6



#35
Dibromofluoromethane
Concen: 47.477 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

Tgt Ion:113	Resp:	138024
Ion	Ratio	Lower Upper
113	100	
111	101.4	81.3 121.9
192	21.1	16.9 25.3

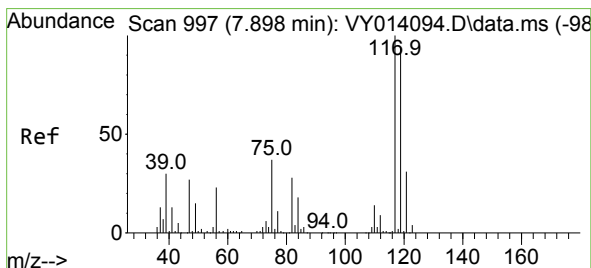
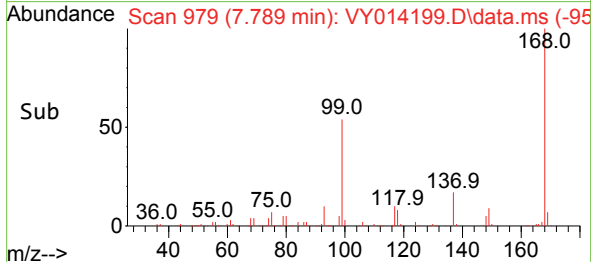
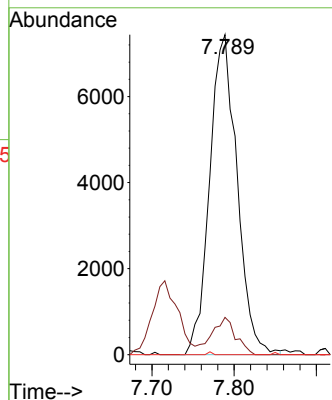
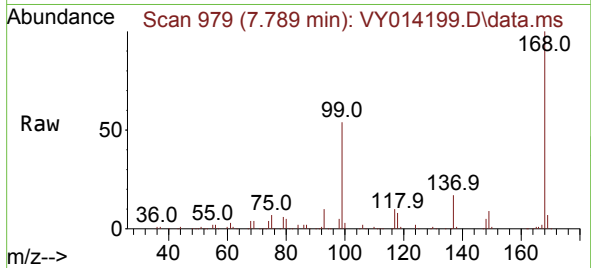




#36
 1,1-Dichloropropene
 Concen: 3.807 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY014199.D
 Acq: 15 Jun 2023 19:00

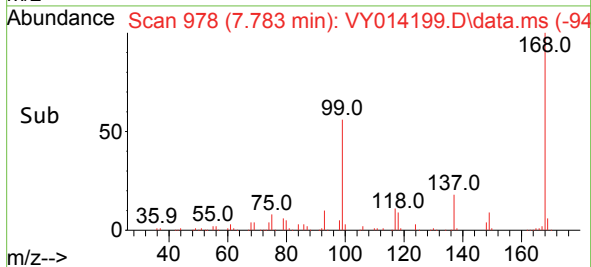
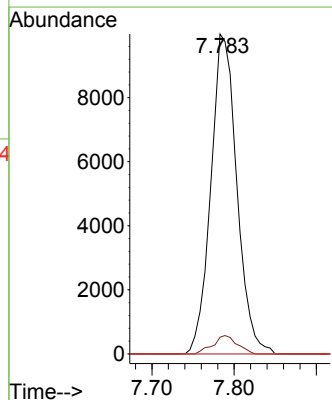
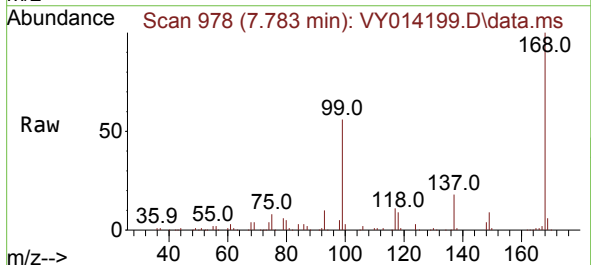
Instrument :
 MSVOA_Y
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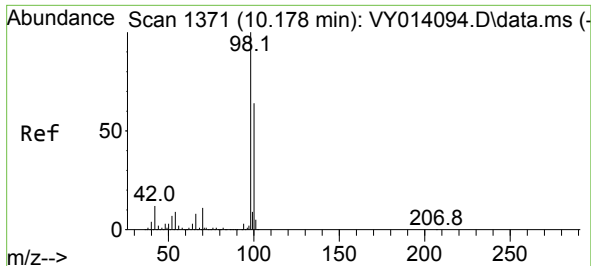
Tgt Ion: 75 Resp: 17256
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.8 53.5#
 77 0.1 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.194 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.115 min
 Lab File: VY014199.D
 Acq: 15 Jun 2023 19:00

Tgt Ion: 117 Resp: 21936
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.4 114.6#
 121 0.0 25.8 38.6#

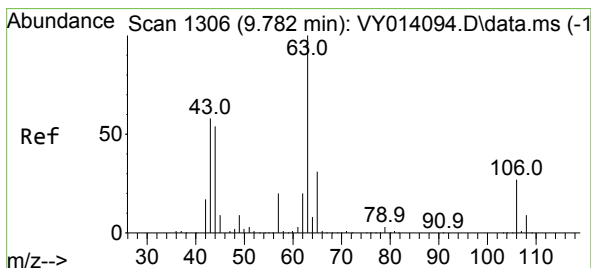
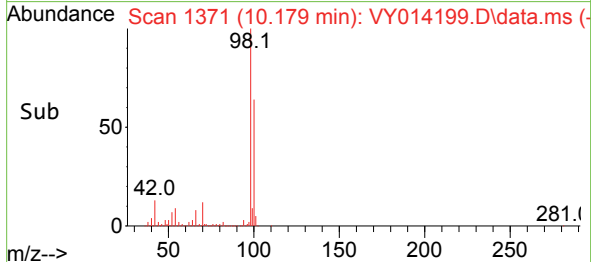
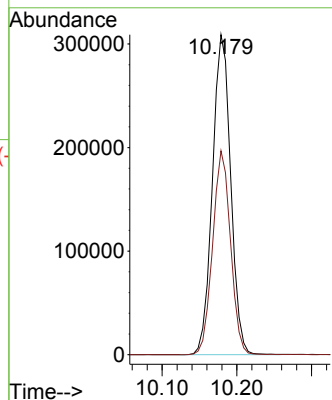
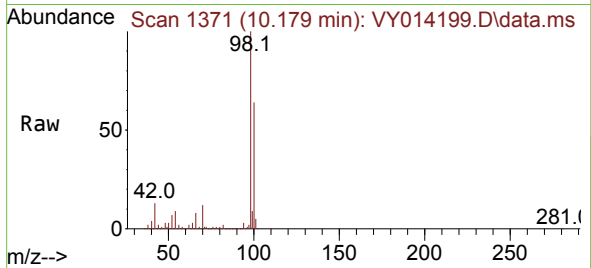




#50
Toluene-d8
Concen: 48.366 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

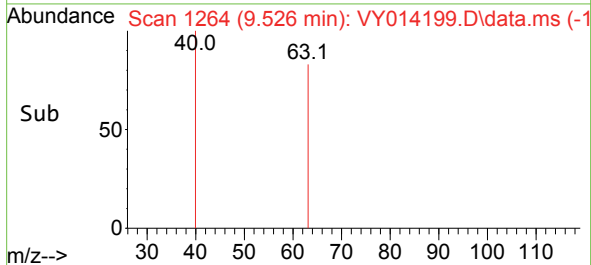
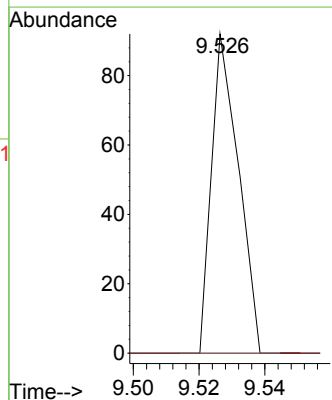
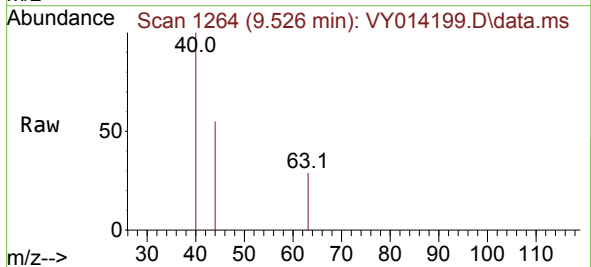
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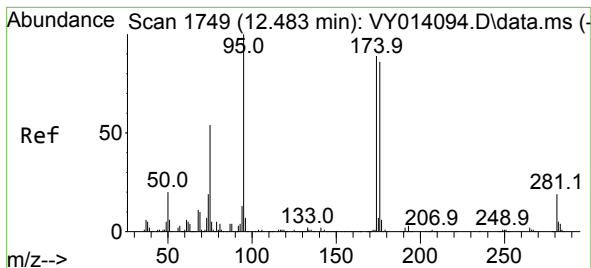
Tgt Ion: 98 Resp: 525687
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.646 ug/l
RT: 9.526 min Scan# 1264
Delta R.T. -0.256 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

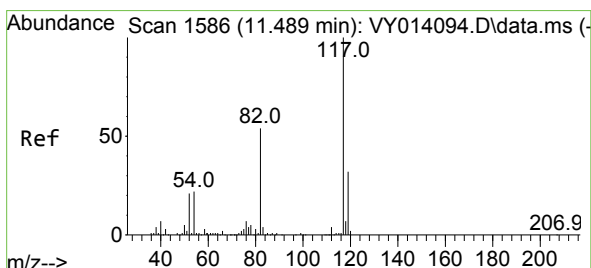
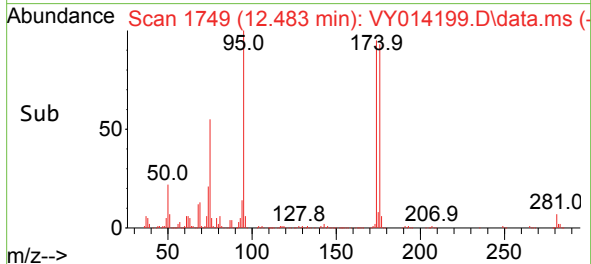
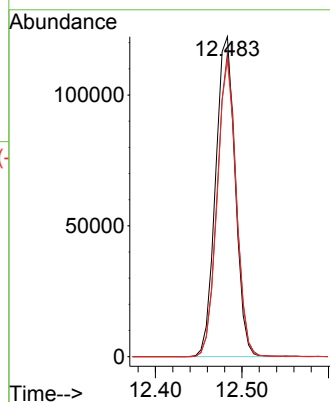
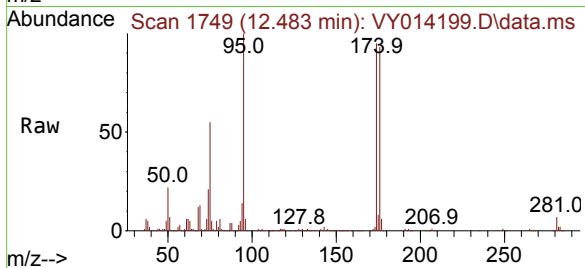




#62
4-Bromofluorobenzene
Concen: 49.860 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

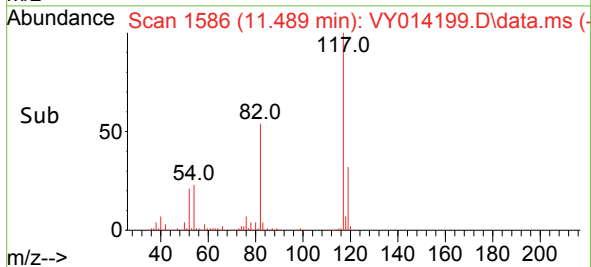
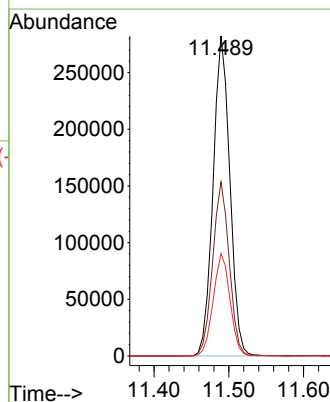
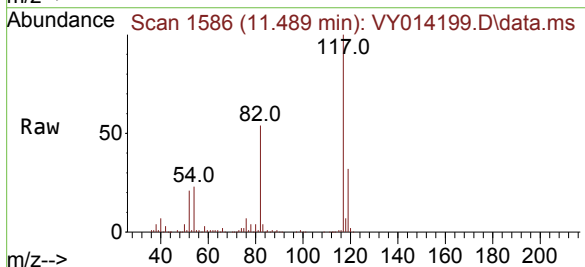
Instrument :
MSVOA_Y
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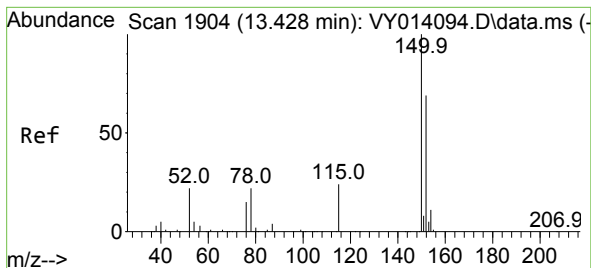
Tgt Ion: 95 Resp: 192505
Ion Ratio Lower Upper
95 100
174 91.7 0.0 178.2
176 89.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

Tgt Ion: 117 Resp: 440542
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.9 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: VY014199.D

Acq: 15 Jun 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

VOC

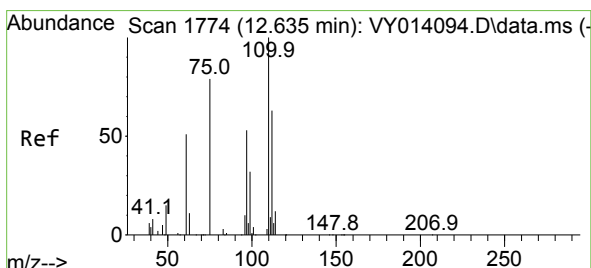
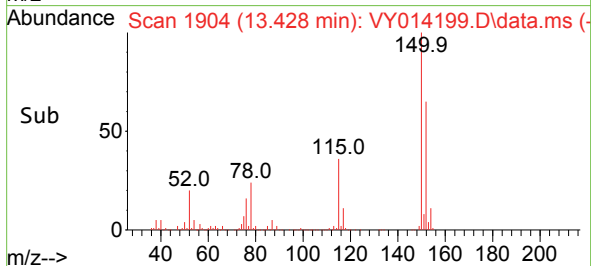
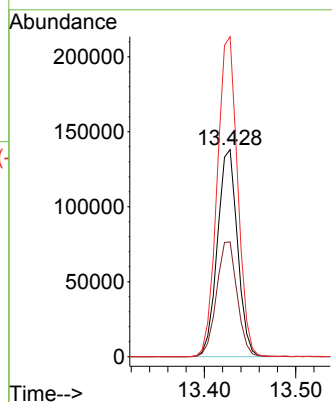
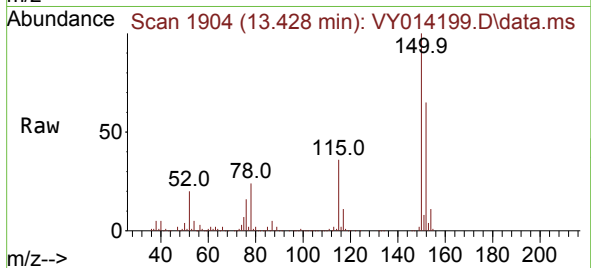
Tgt Ion:152 Resp: 211650

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 156.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.291 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014199.D

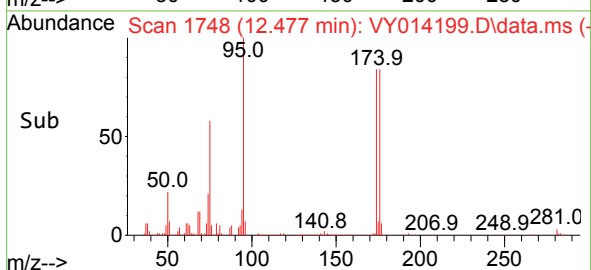
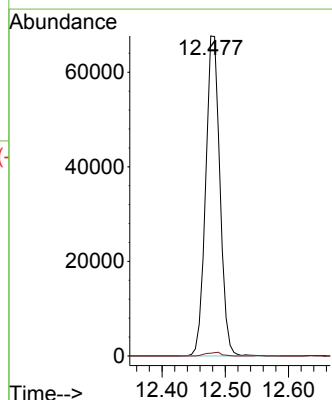
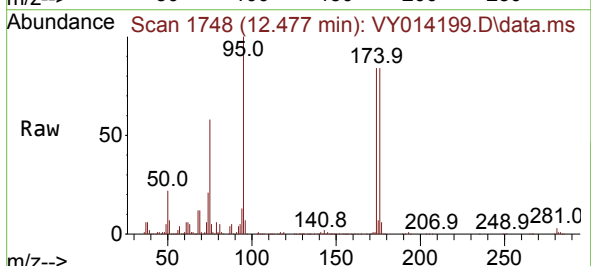
Acq: 15 Jun 2023 19:00

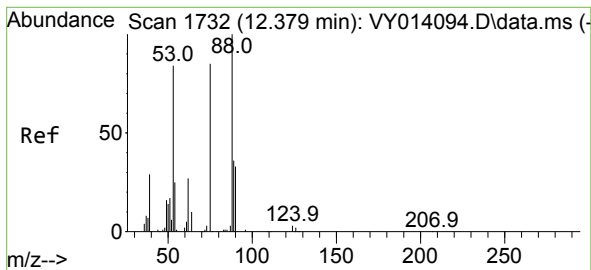
Tgt Ion: 75 Resp: 106326

Ion Ratio Lower Upper

75 100

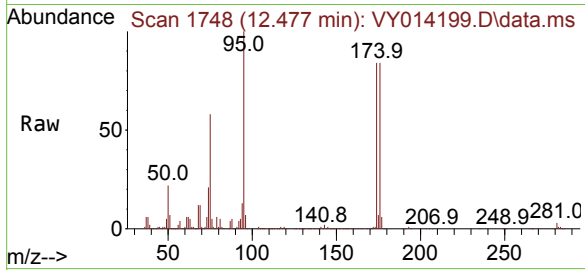
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.770 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014199.D
Acq: 15 Jun 2023 19:00

Instrument :
MSVOA_Y
ClientSampleId :
VOC



Tgt Ion: 75 Resp: 106326
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

