

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014119.D
 Acq On : 12 Jun 2023 14:45
 Operator : KP/MD
 Sample : 03123-17
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW11-GW-823-825

Quant Time: Jun 13 05:42:18 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)

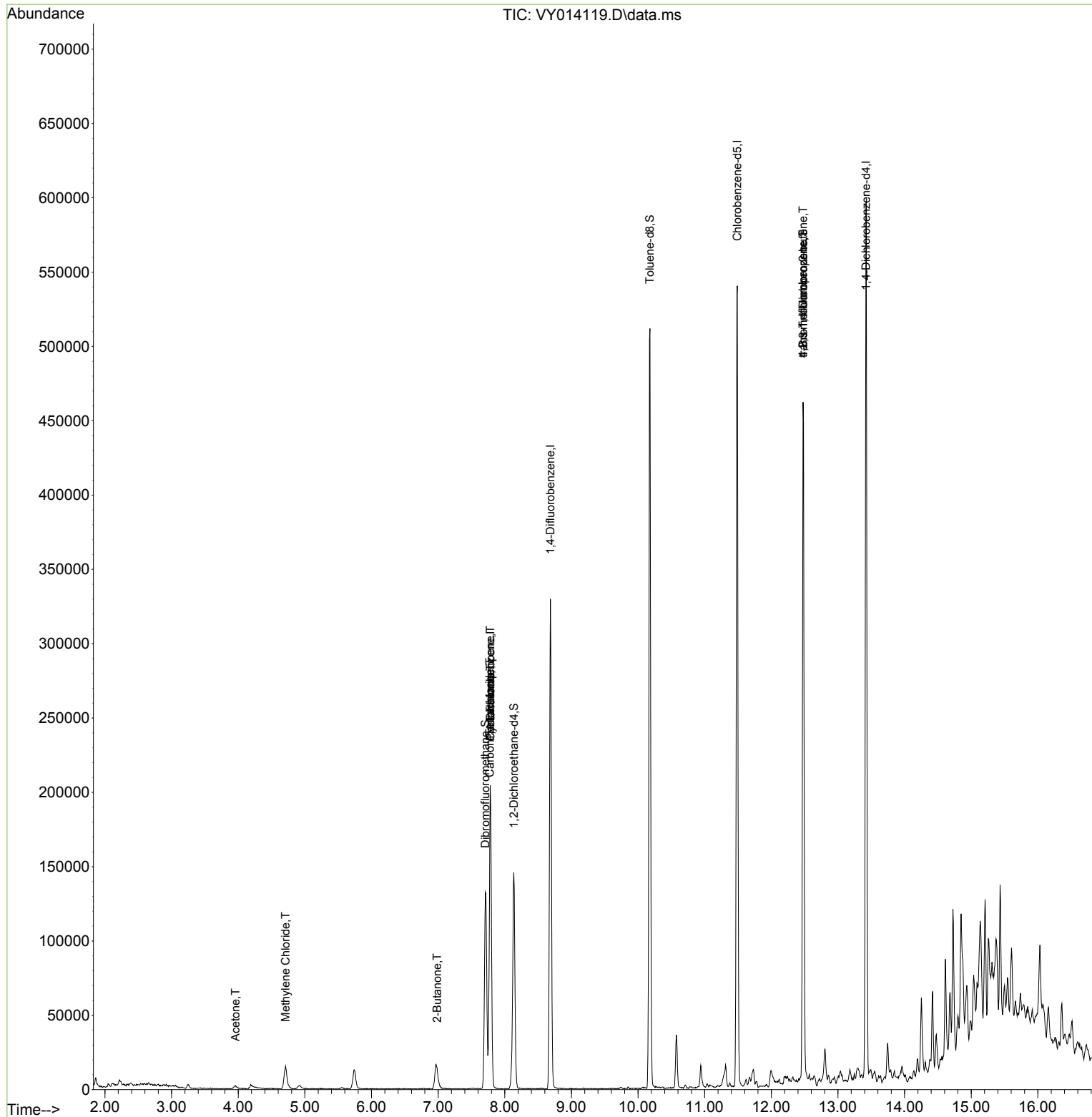
Internal Standards						
1) Pentafluorobenzene	7.783	168	154744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	269233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	289039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117342	54.455	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.920%	
35) Dibromofluoromethane	7.710	113	92388	48.387	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.780%	
50) Toluene-d8	10.179	98	334288	46.831	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.660%	
62) 4-Bromofluorobenzene	12.477	95	129612	51.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	2242	Below Cal	#	89
13) Acrolein	3.717	56	57	Below Cal	#	14
16) Acetone	3.960	43	4718	7.264	ug/l	95
20) Methylene Chloride	4.710	84	10374	1.527	ug/l #	93
25) 2-Butanone	6.984	43	1664	2.081	ug/l #	81
31) Cyclohexane	7.783	56	3574	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	11884	3.992	ug/l #	51
38) Carbon Tetrachloride	7.777	117	15579	4.535	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	71807	37.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	71807	80.364	ug/l #	11

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

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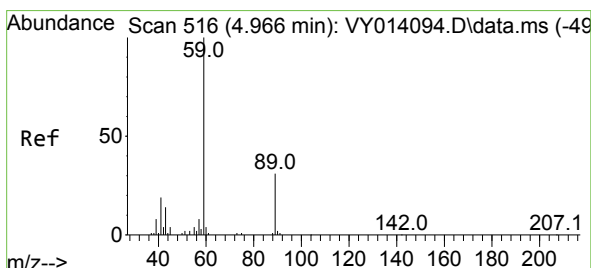
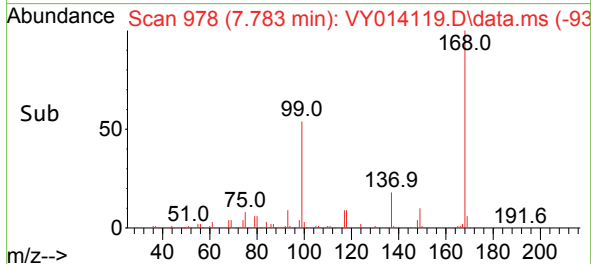
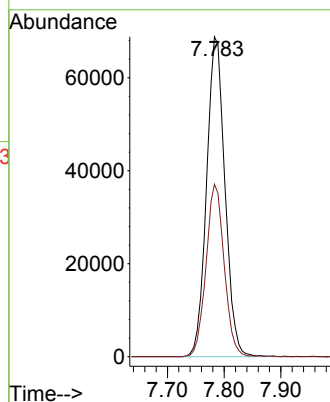
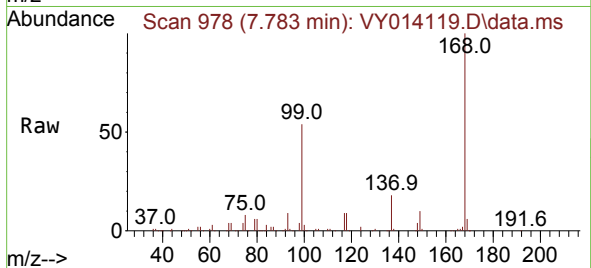




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

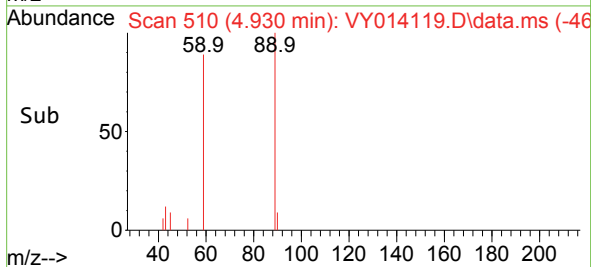
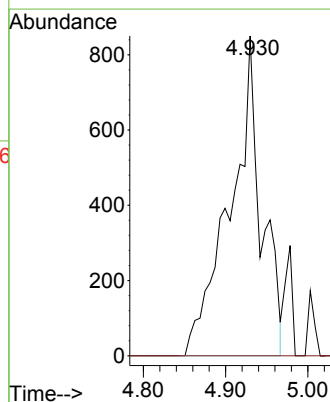
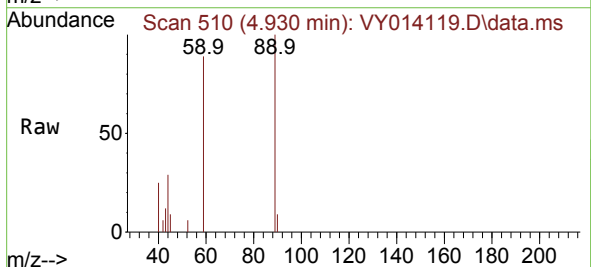
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW11-GW-823-825

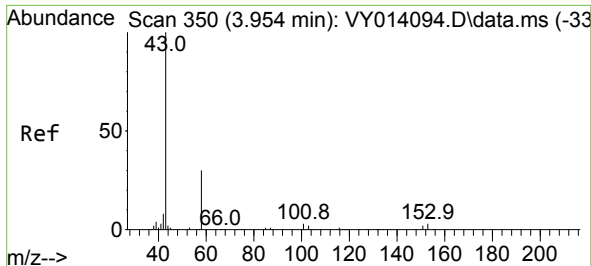
Tgt Ion:168 Resp: 154744
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

Tgt Ion: 59 Resp: 2242
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

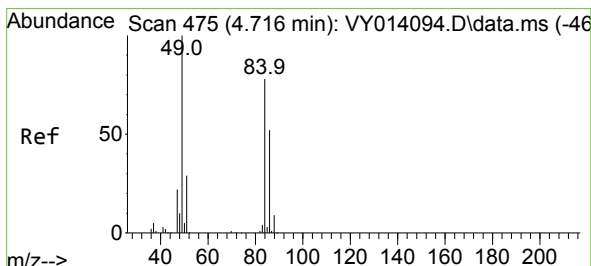
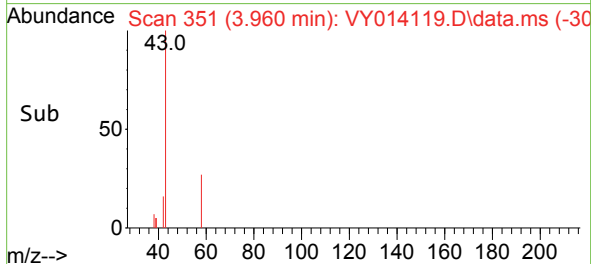
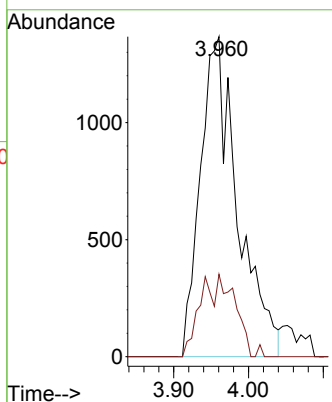
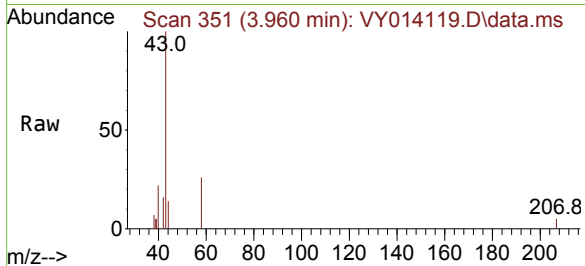




#16
Acetone
Concen: 7.264 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

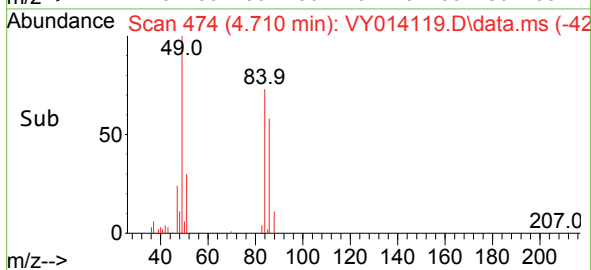
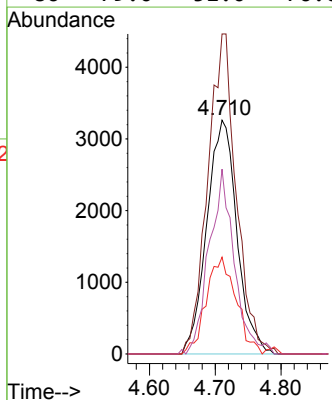
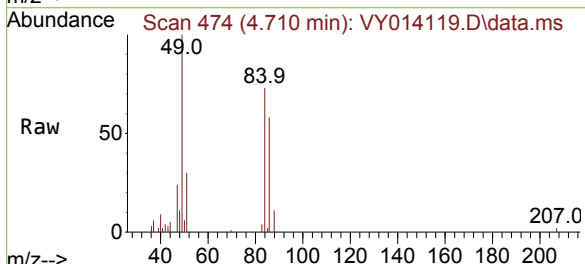
Instrument :
MSVOA_Y
ClientSampleId :
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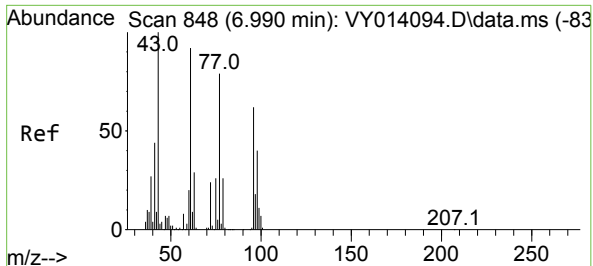
Tgt Ion: 43 Resp: 4718
Ion Ratio Lower Upper
43 100
58 25.7 22.7 34.1



#20
Methylene Chloride
Concen: 1.527 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

Tgt Ion: 84 Resp: 10374
Ion Ratio Lower Upper
84 100
49 136.9 106.9 160.3
51 41.4 33.2 49.8
86 79.0 51.0 76.6#





#25

2-Butanone

Concen: 2.081 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

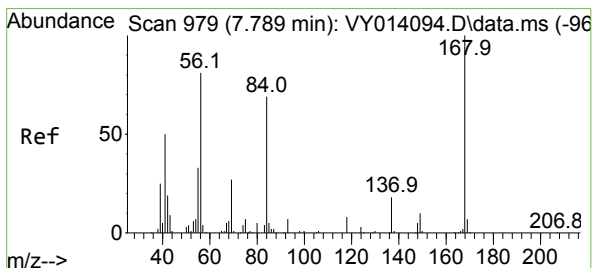
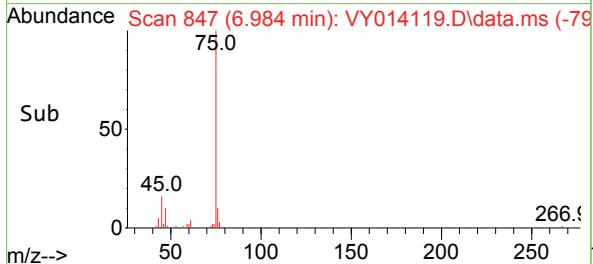
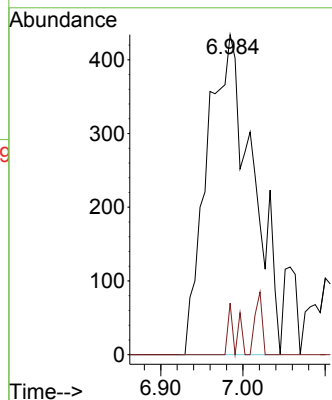
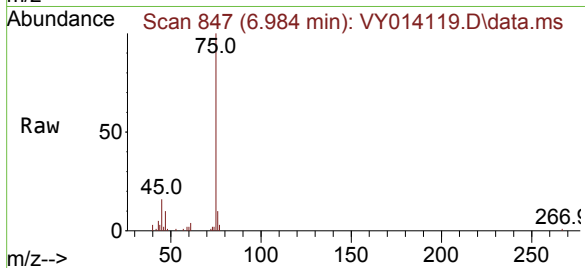
BP-VPB-RW11-GW-823-825

Tgt Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

72 16.1 20.5 30.7#



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

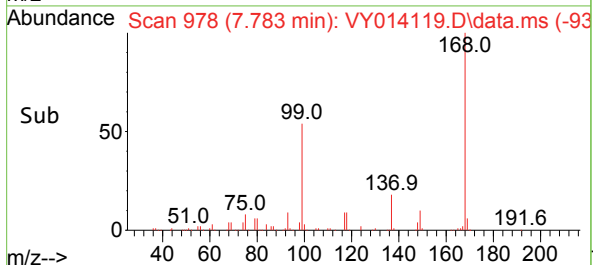
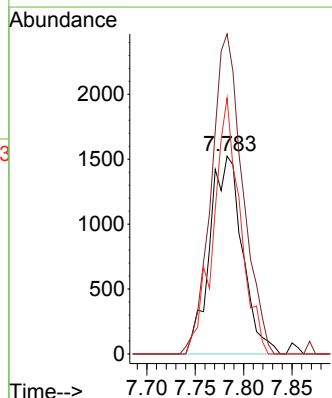
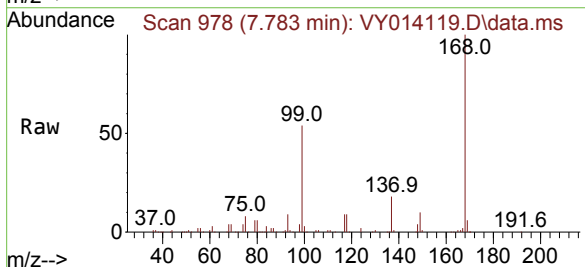
Tgt Ion: 56 Resp: 3574

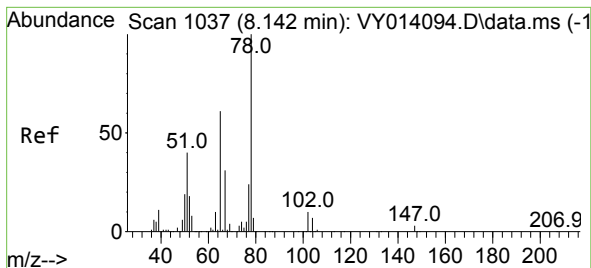
Ion Ratio Lower Upper

56 100

69 161.9 27.8 41.6#

84 129.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.455 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

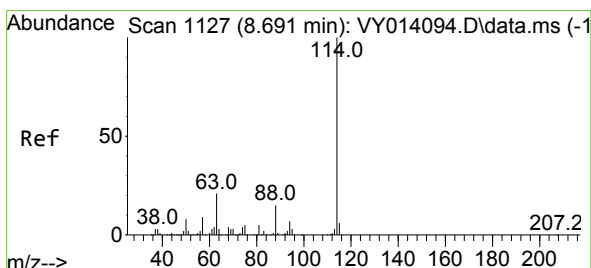
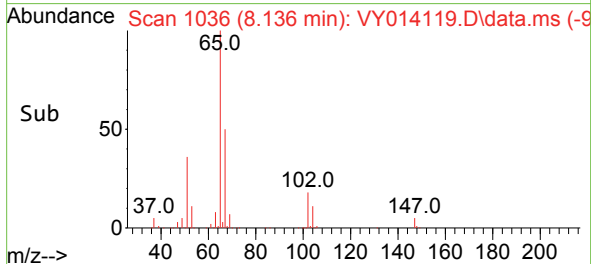
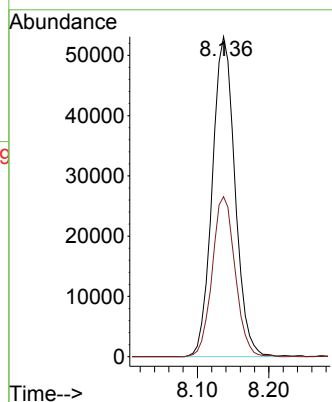
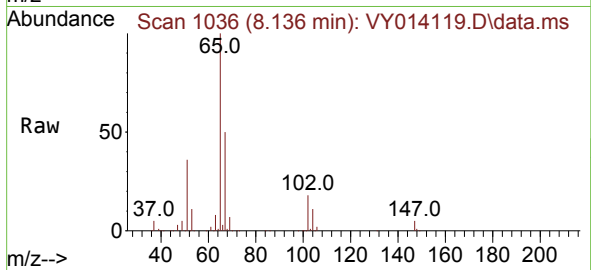
BP-VPB-RW11-GW-823-825

Tgt Ion: 65 Resp: 117342

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014119.D

Acq: 12 Jun 2023 14:45

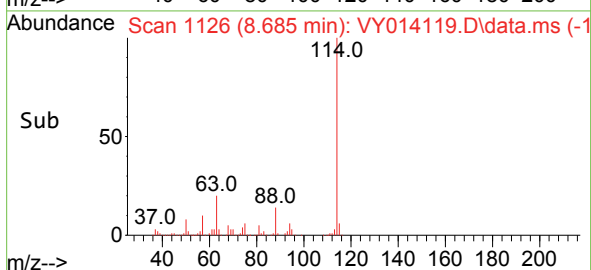
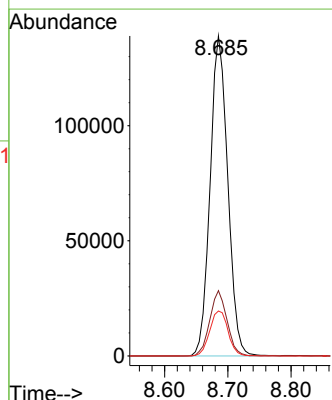
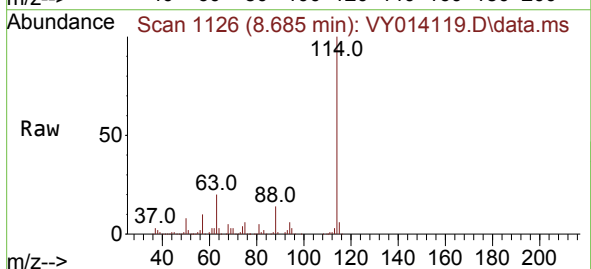
Tgt Ion: 114 Resp: 269233

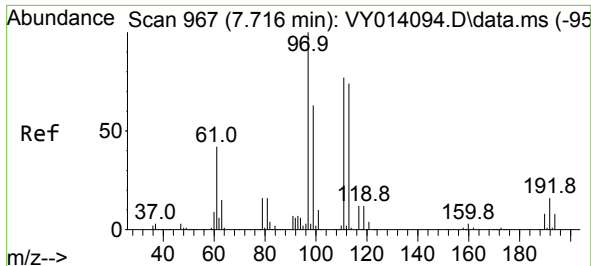
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 14.0 0.0 30.6

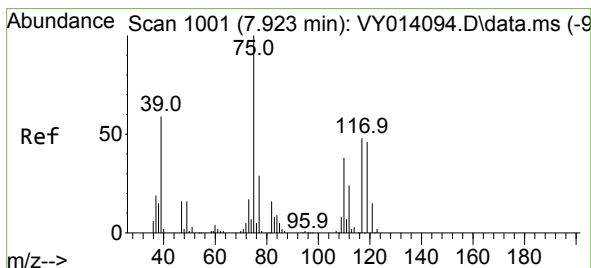
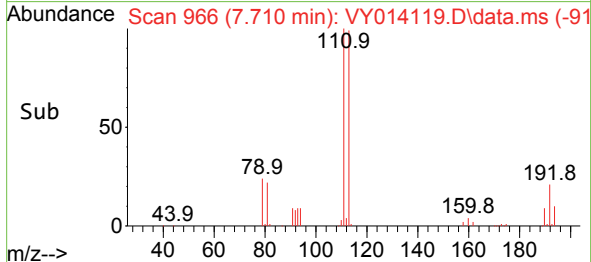
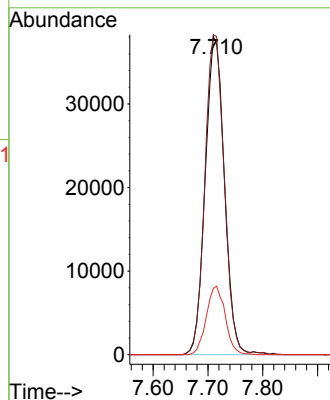
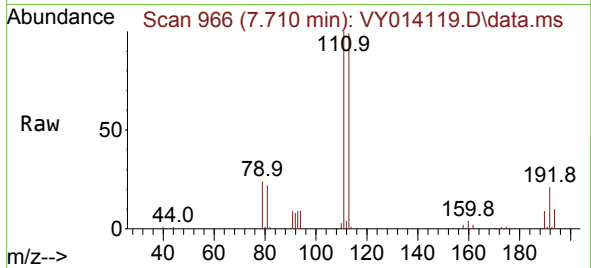




#35
Dibromofluoromethane
Concen: 48.387 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

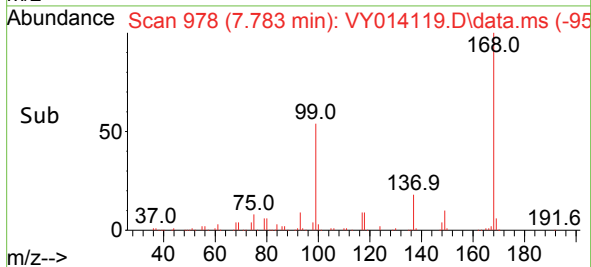
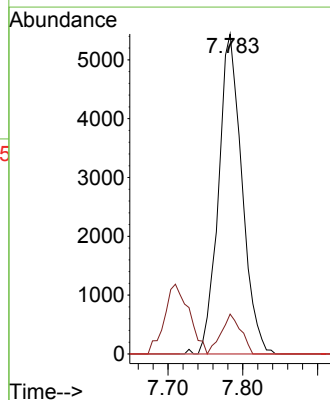
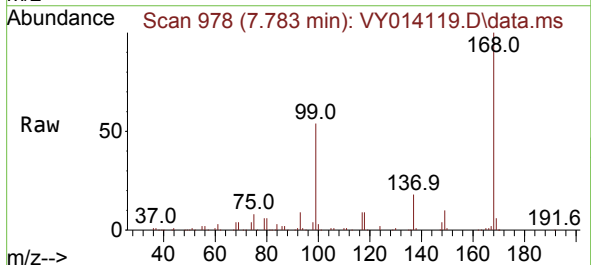
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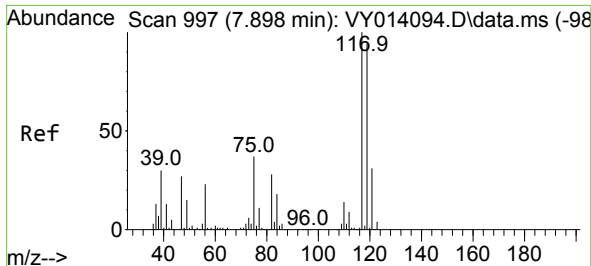
Tgt Ion:113 Resp: 92388
Ion Ratio Lower Upper
113 100
111 100.9 81.3 121.9
192 21.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.992 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

Tgt Ion: 75 Resp: 11884
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 24.4 36.6#

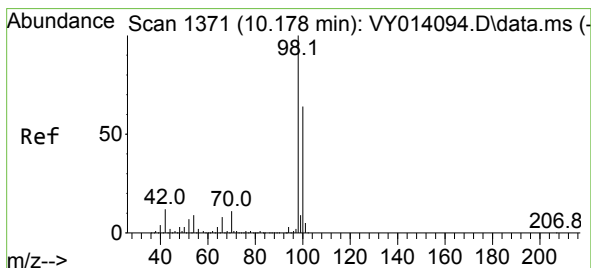
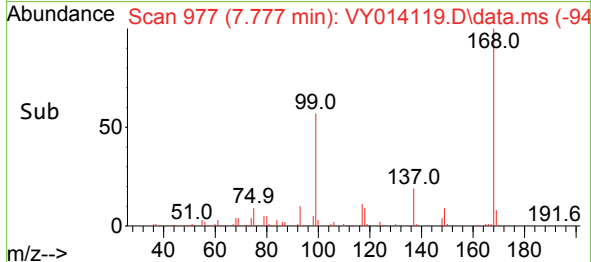
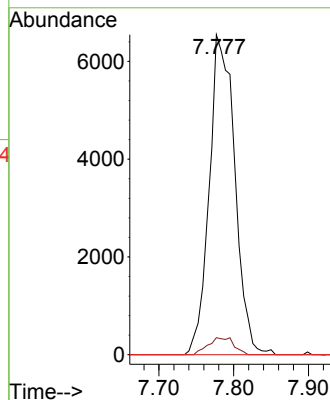
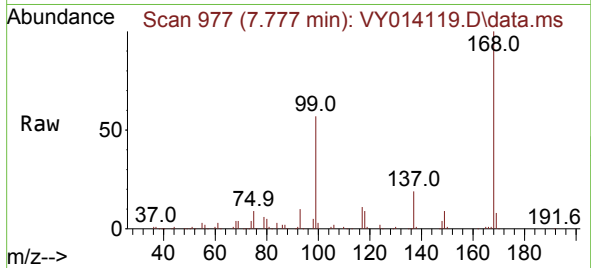




#38
Carbon Tetrachloride
Concen: 4.535 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

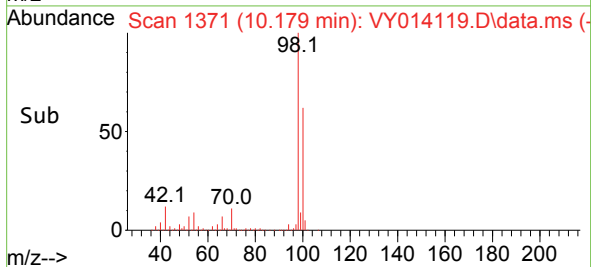
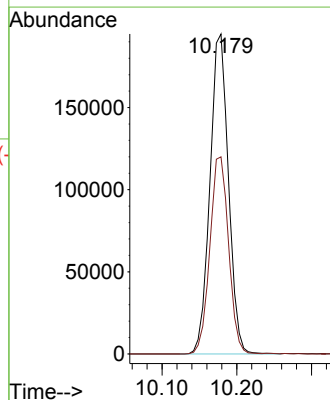
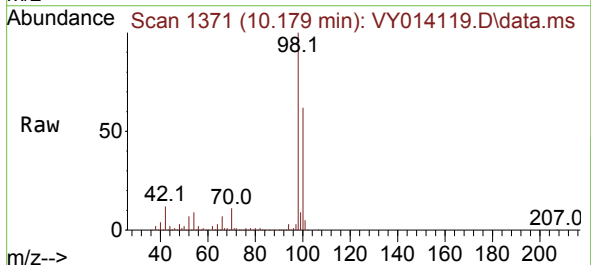
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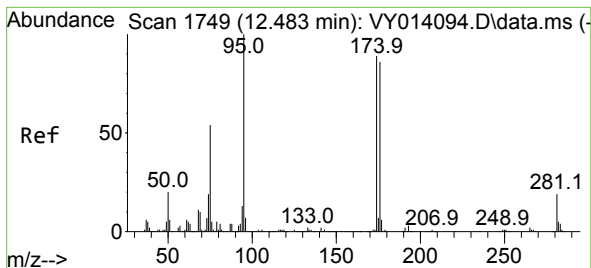
Tgt Ion:117 Resp: 15579
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.831 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

Tgt Ion: 98 Resp: 334288
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1

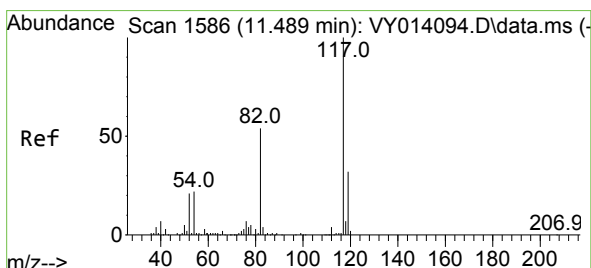
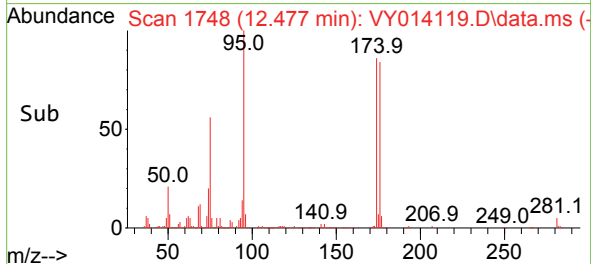
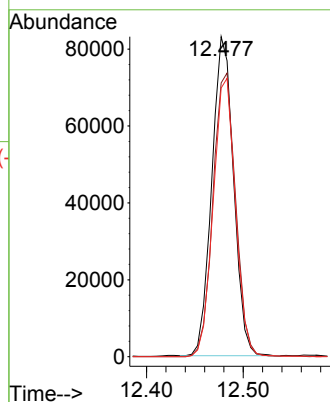
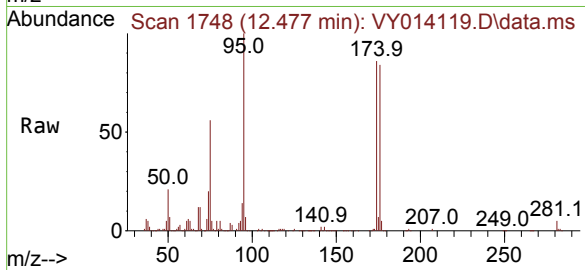




#62
4-Bromofluorobenzene
Concen: 51.115 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

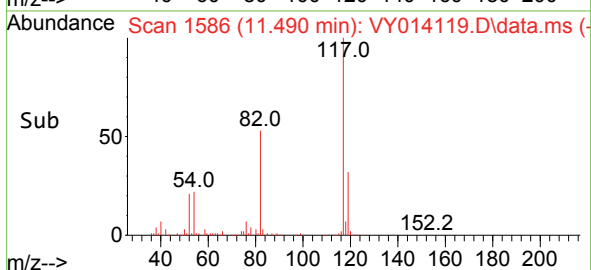
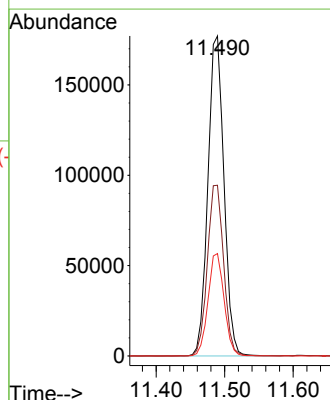
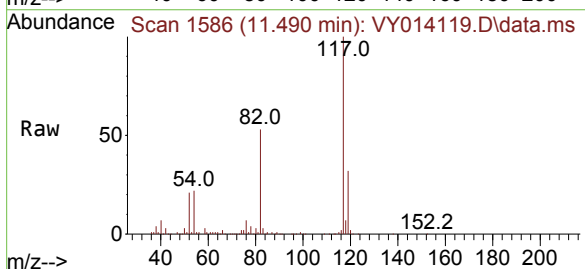
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW11-GW-823-825

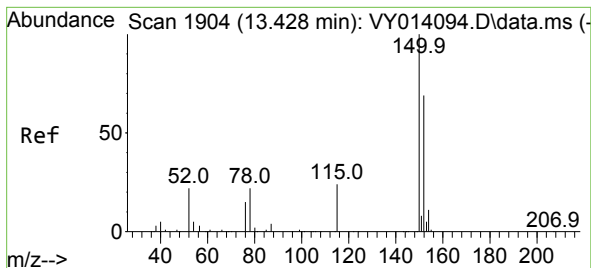
Tgt Ion: 95 Resp: 129612
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.2
176 89.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014119.D
Acq: 12 Jun 2023 14:45

Tgt Ion: 117 Resp: 289039
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 32.0 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: VY014119.D

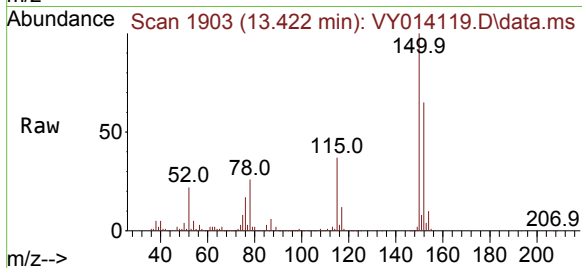
Acq: 12 Jun 2023 14:45

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW11-GW-823-825



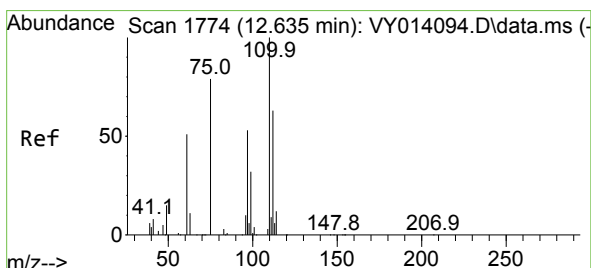
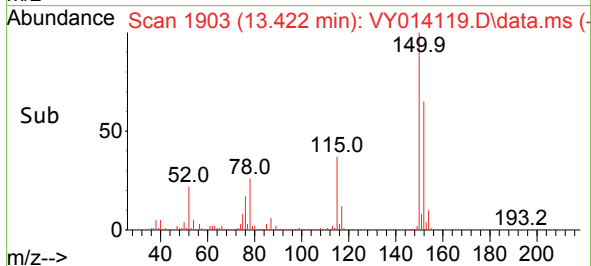
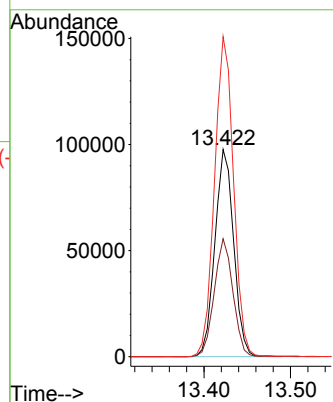
Tgt Ion:152 Resp: 147216

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 156.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.178 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014119.D

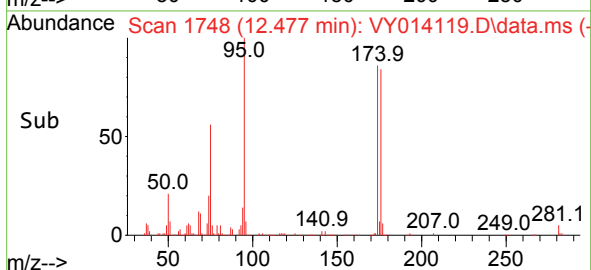
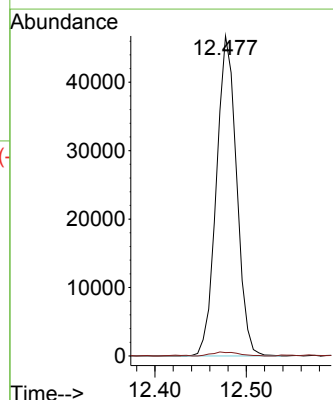
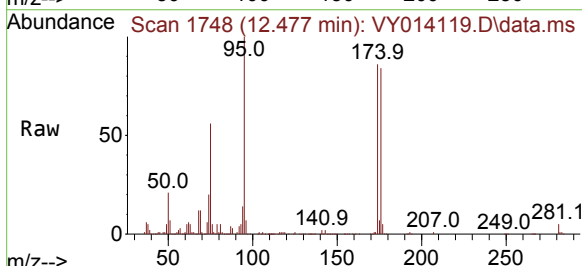
Acq: 12 Jun 2023 14:45

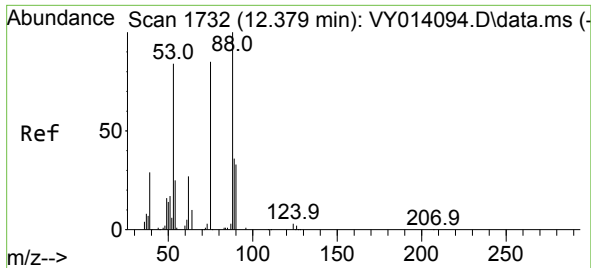
Tgt Ion: 75 Resp: 71807

Ion Ratio Lower Upper

75 100

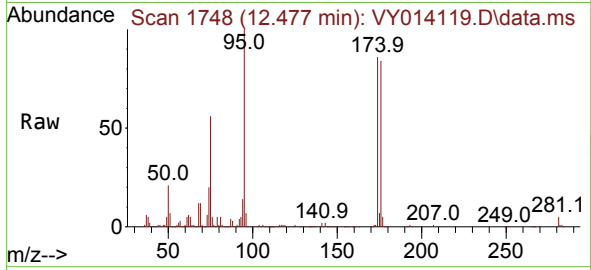
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.364 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014119.D
 Acq: 12 Jun 2023 14:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW11-GW-823-825



Tgt Ion: 75 Resp: 71807
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

