

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014186.D
 Acq On : 15 Jun 2023 13:56
 Operator : KP/MD
 Sample : 03222-11RE
 Misc : 4.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-4-SB-26

Quant Time: Jun 16 02:07:56 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)

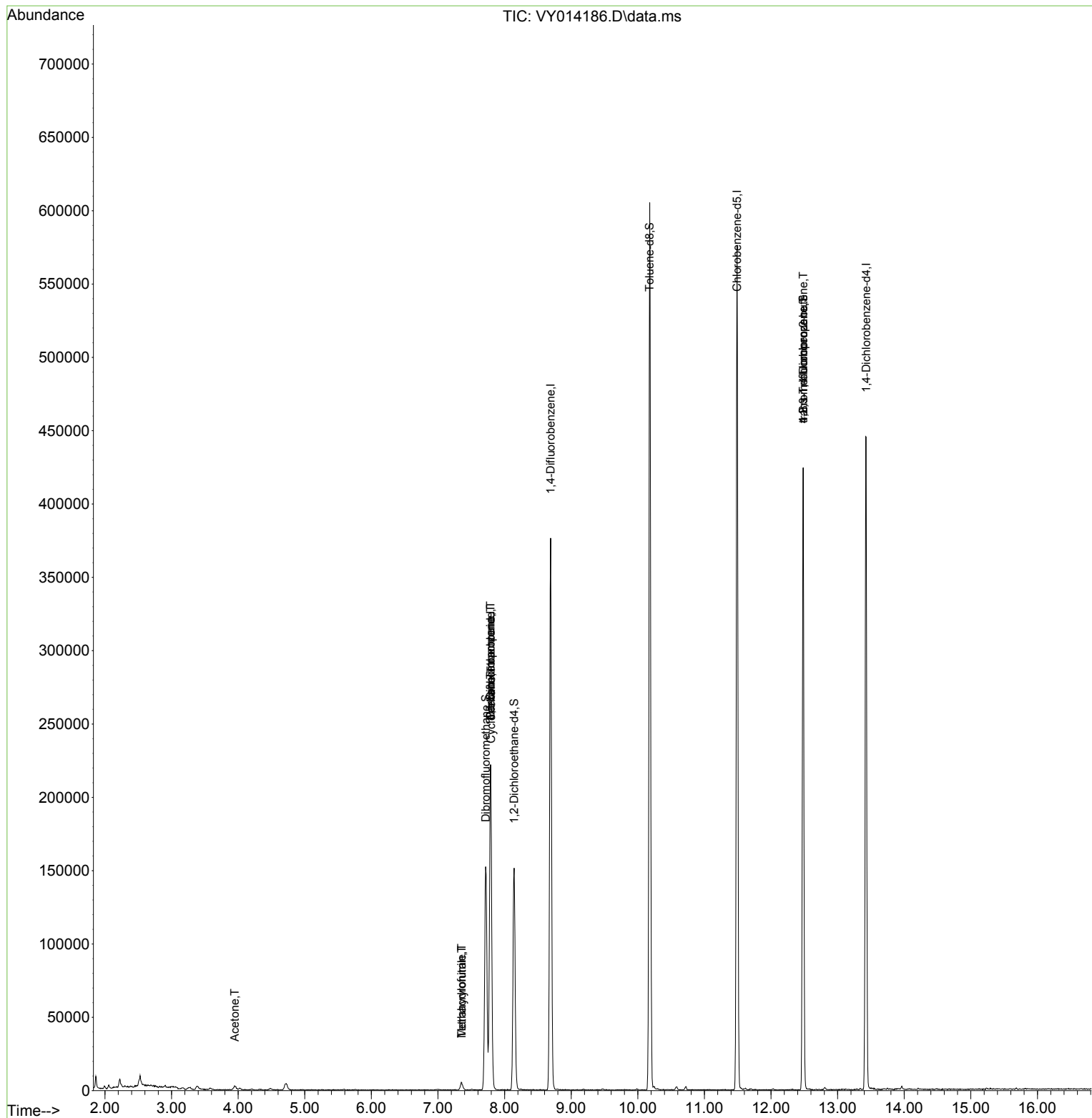
Internal Standards						
1) Pentafluorobenzene	7.789	168	172393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	297530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	125792	52.400	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.800%	
35) Dibromofluoromethane	7.716	113	103784	48.070	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.140%	
50) Toluene-d8	10.179	98	385787	47.795	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.600%	
62) 4-Bromofluorobenzene	12.483	95	117400	40.945	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	95	Below Cal	#	50
16) Acetone	3.948	43	4065	5.618	ug/l	99
20) Methylene Chloride	4.722	84	3397	Below Cal	#	87
29) Tetrahydrofuran	7.356	42	3616	6.402	ug/l	96
31) Cyclohexane	7.795	56	3989	1.240	ug/l	# 34
36) 1,1-Dichloropropene	7.789	75	12938	3.844	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	16867	4.342	ug/l	# 17
41) Methacrylonitrile	7.356	41	2504	2.113	ug/l	# 44
76) 1,2,3-Trichloropropane	12.483	75	64925	42.396	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	64925	91.645	ug/l	# 11

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

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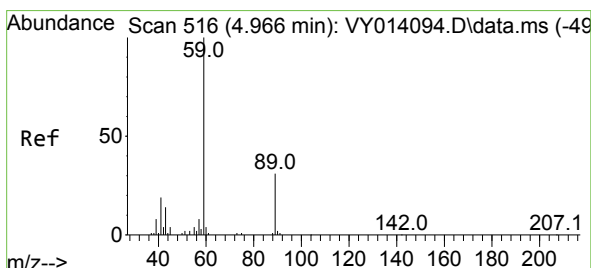
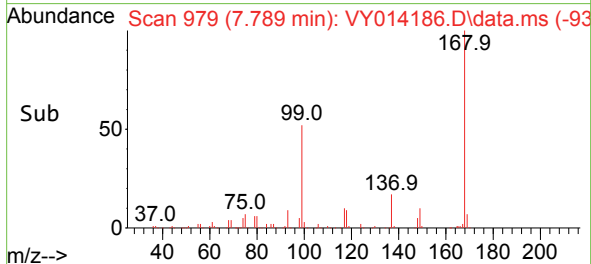
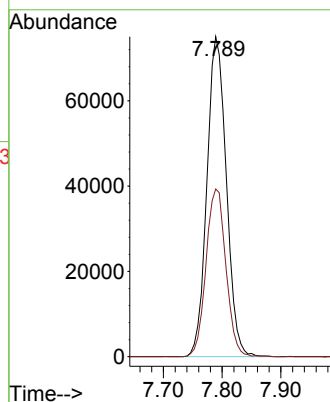
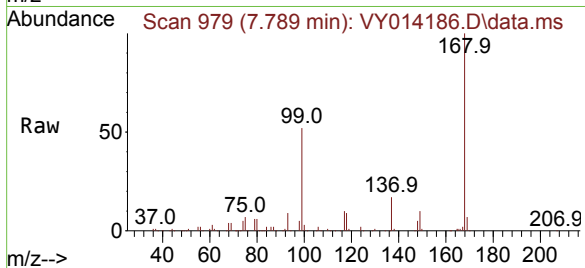




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

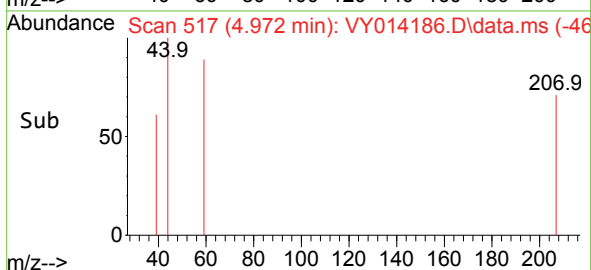
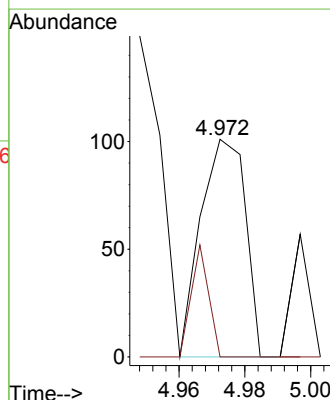
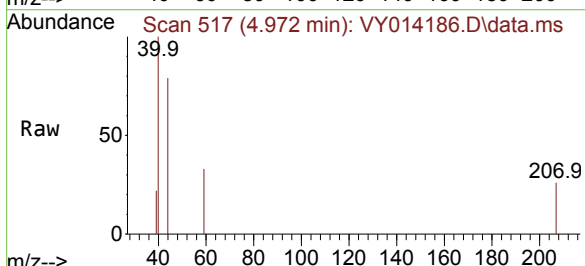
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

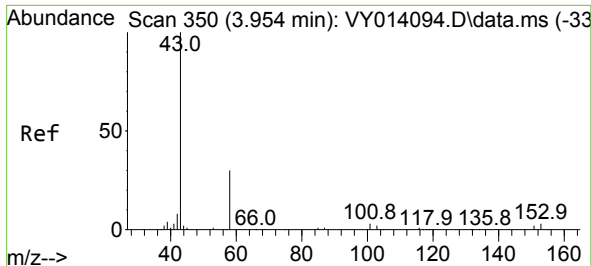
Tgt Ion:168 Resp: 172393
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 20.0 3.0 4.4#





#16

Acetone

Concen: 5.618 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014186.D

Acq: 15 Jun 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

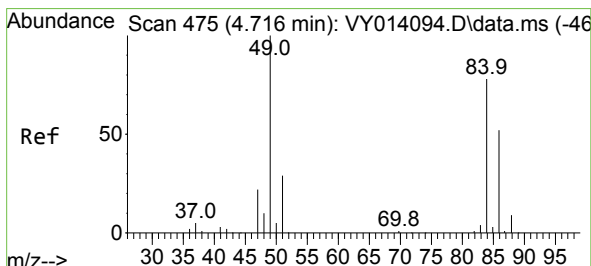
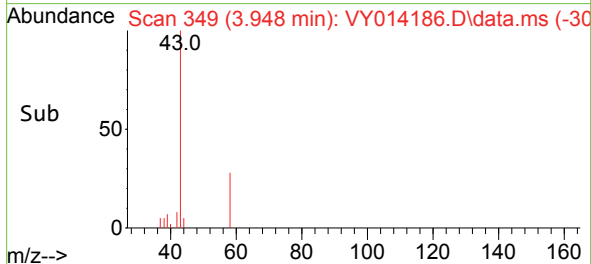
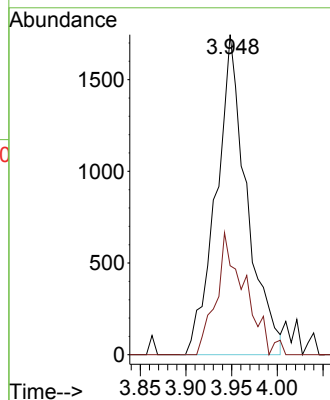
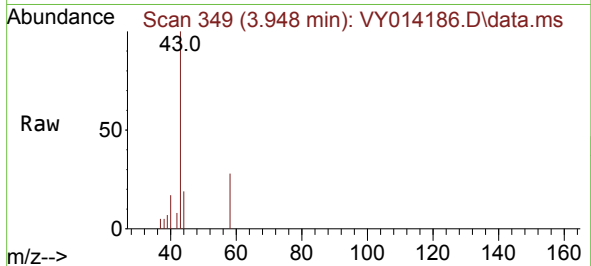
TOTAL-VOC-GRAB-4-SB-26

Tgt Ion: 43 Resp: 4065

Ion Ratio Lower Upper

43 100

58 27.8 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY014186.D

Acq: 15 Jun 2023 13:56

Tgt Ion: 84 Resp: 3397

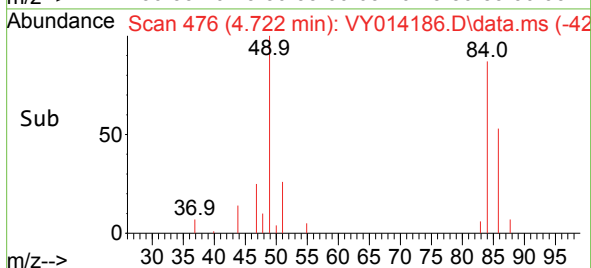
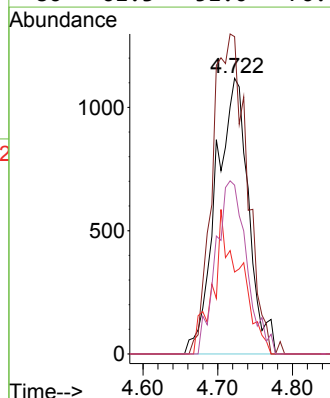
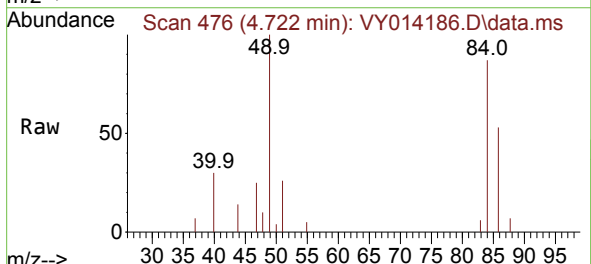
Ion Ratio Lower Upper

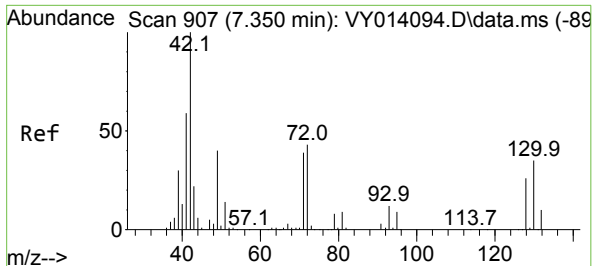
84 100

49 115.1 106.9 160.3

51 29.7 33.2 49.8#

86 61.3 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.402 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY014186.D

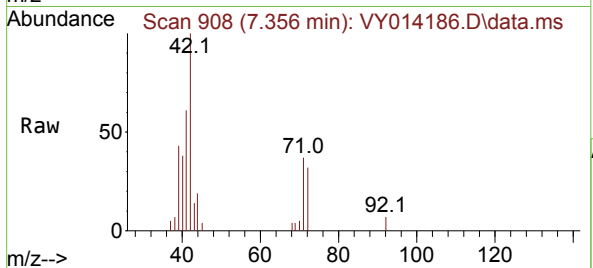
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-26



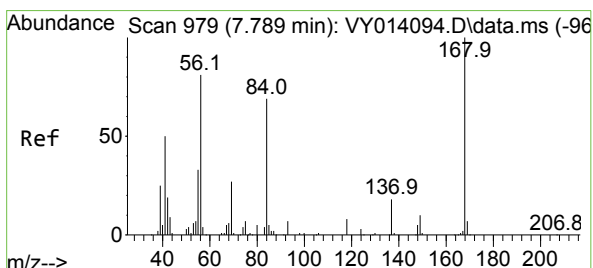
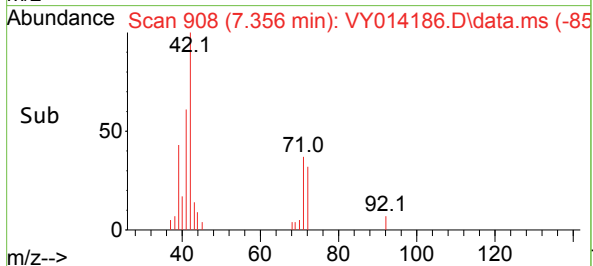
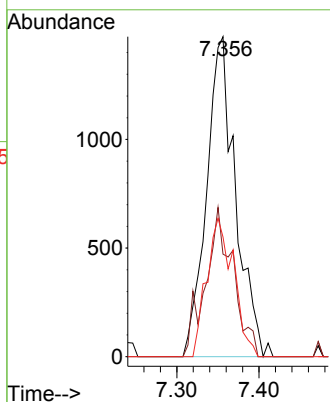
Tgt Ion: 42 Resp: 3616

Ion Ratio Lower Upper

42 100

72 44.5 32.8 49.2

71 40.3 31.0 46.4



#31

Cyclohexane

Concen: 1.240 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014186.D

Acq: 15 Jun 2023 13:56

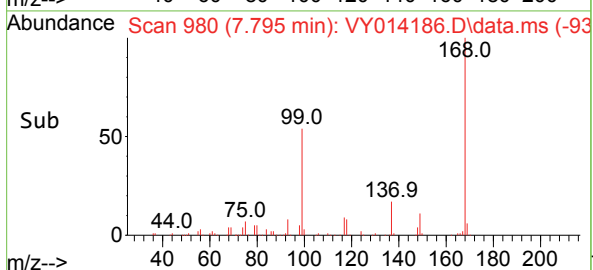
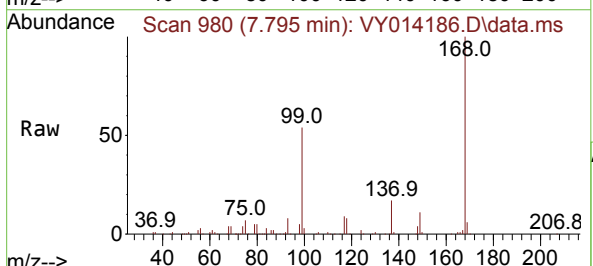
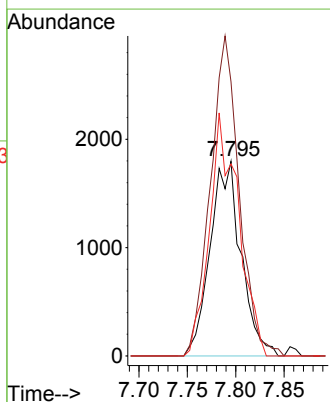
Tgt Ion: 56 Resp: 3989

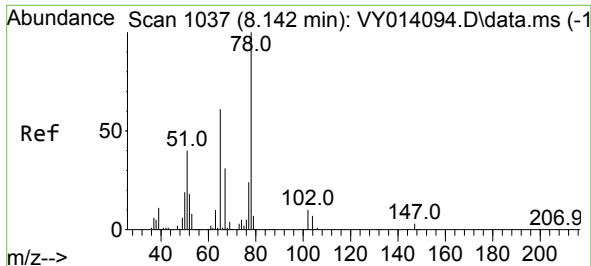
Ion Ratio Lower Upper

56 100

69 141.0 27.8 41.6#

84 98.7 66.4 99.6

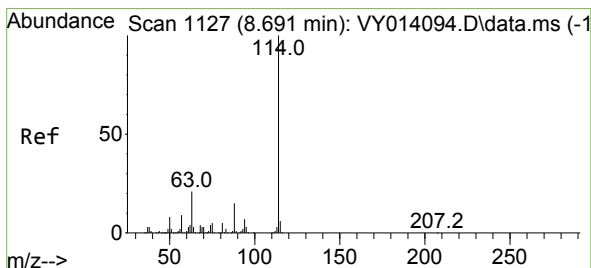
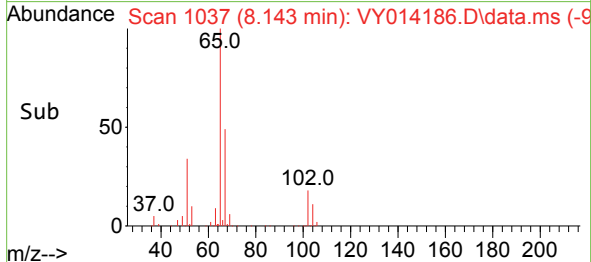
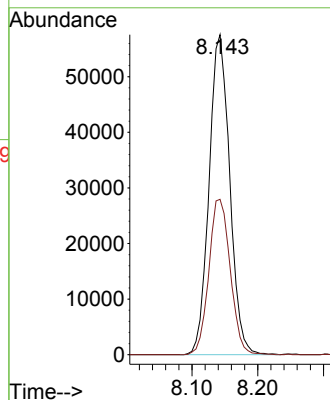
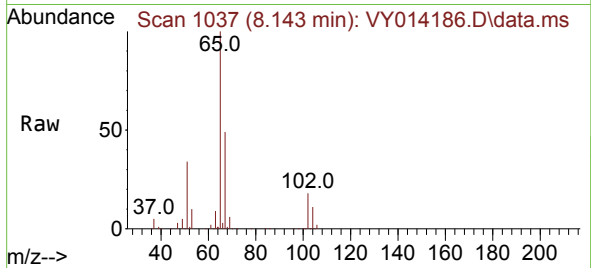




#33
1,2-Dichloroethane-d4
Concen: 52.400 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

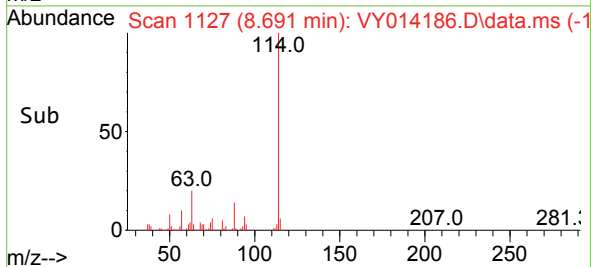
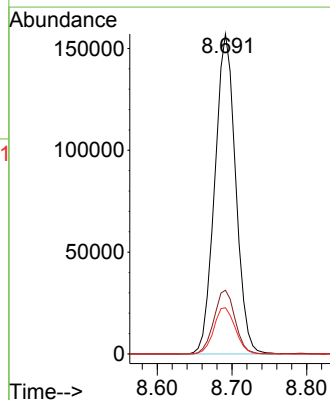
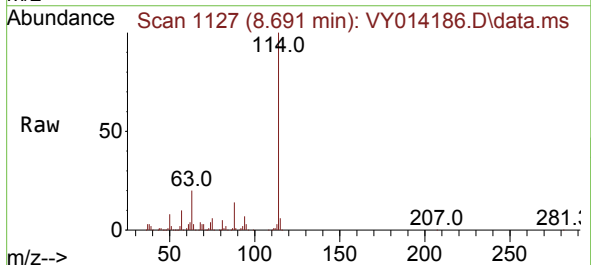
Instrument :
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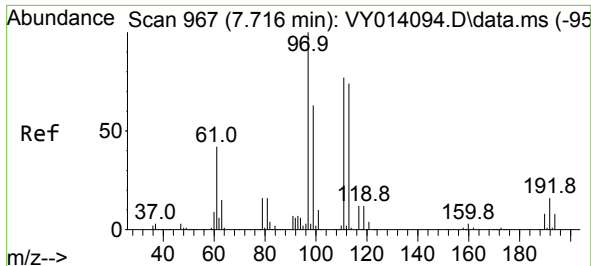
Tgt Ion: 65 Resp: 125792
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

Tgt Ion:114 Resp: 304437
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.4
88 14.5 0.0 30.6

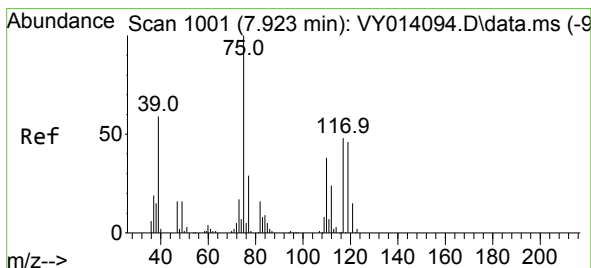
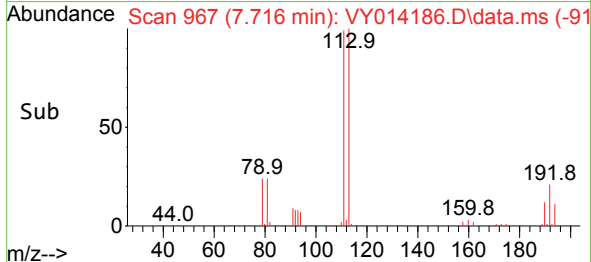
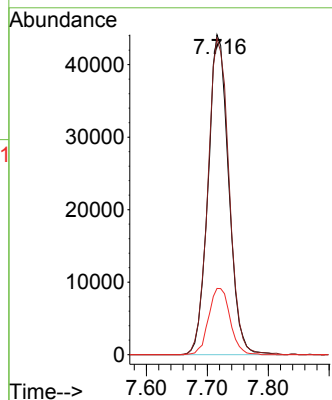
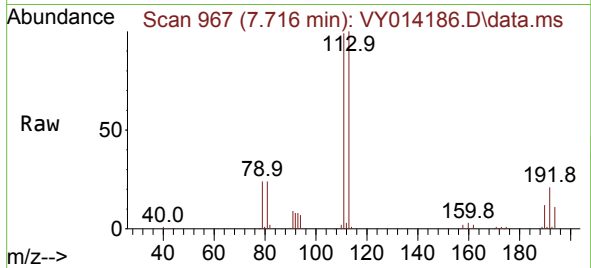




#35
Dibromofluoromethane
Concen: 48.070 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

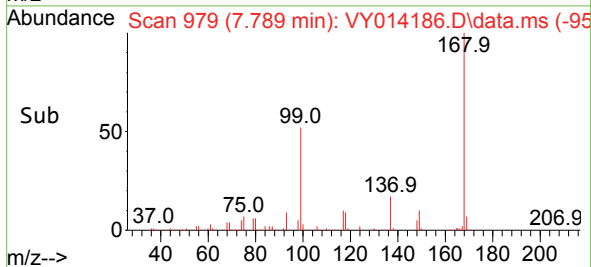
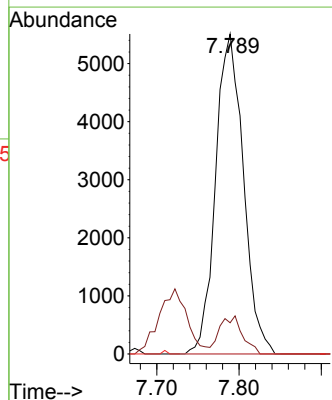
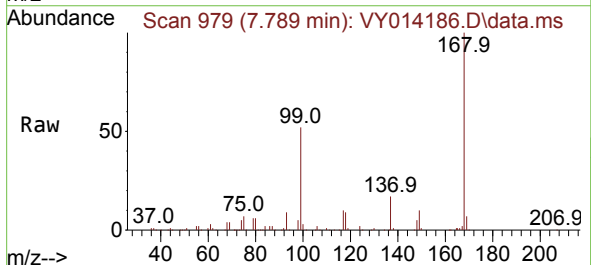
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TOTAL-VOC-GRAB-4-SB-26

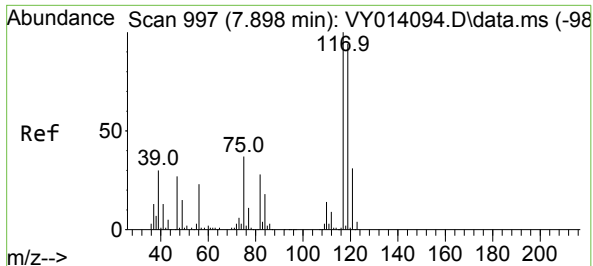
Tgt Ion:113 Resp: 103784
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 21.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.844 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

Tgt Ion: 75 Resp: 12938
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#

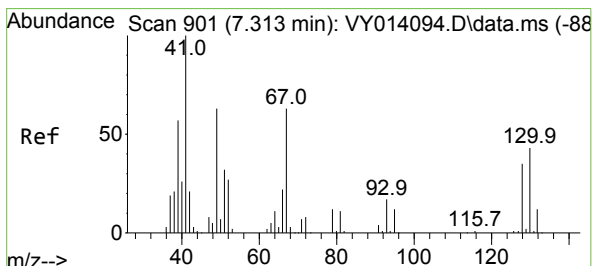
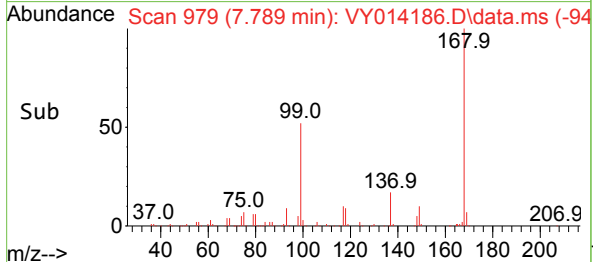
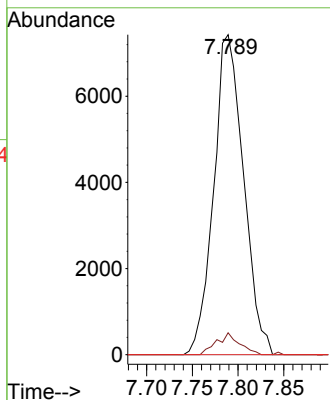
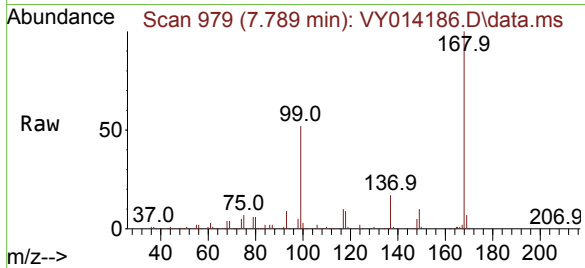




#38
Carbon Tetrachloride
Concen: 4.342 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

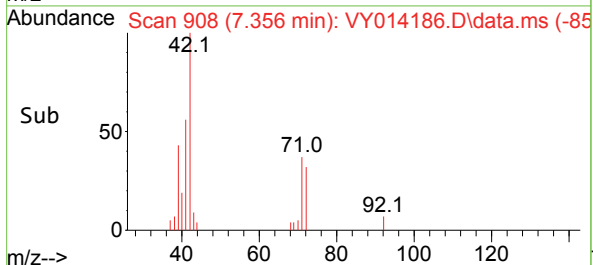
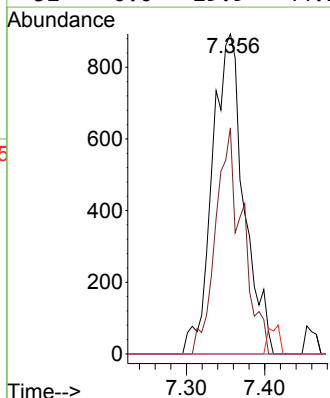
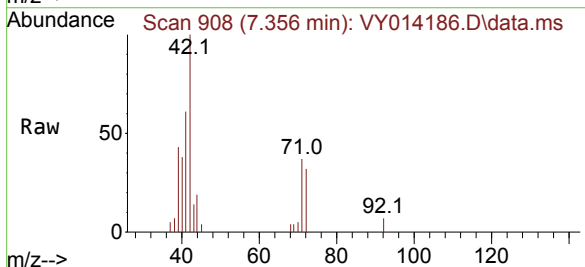
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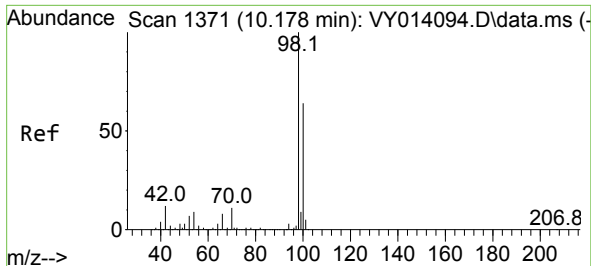
Tgt Ion:117 Resp: 16867
Ion Ratio Lower Upper
117 100
119 6.8 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.113 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

Tgt Ion: 41 Resp: 2504
Ion Ratio Lower Upper
41 100
39 60.5 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

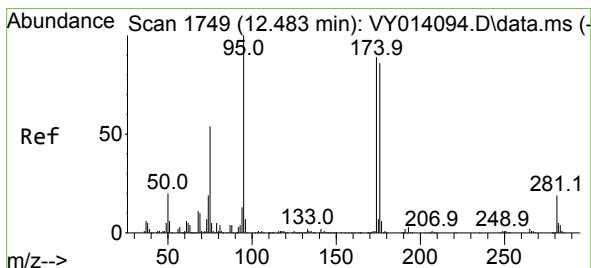
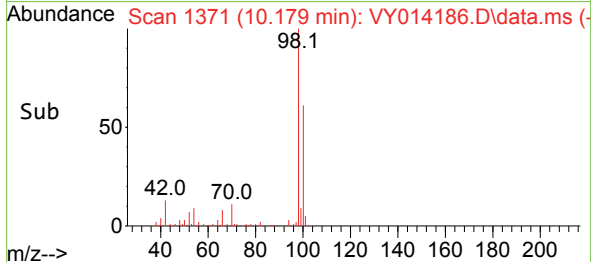
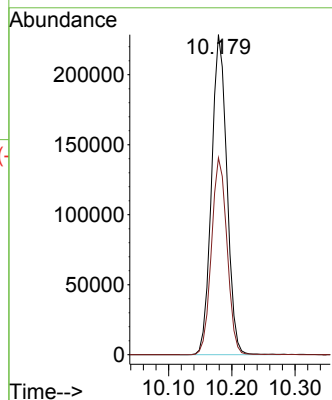
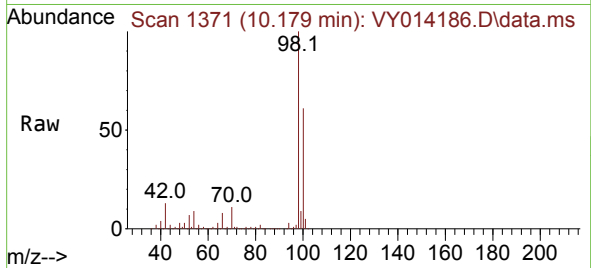




#50
Toluene-d8
Concen: 47.795 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

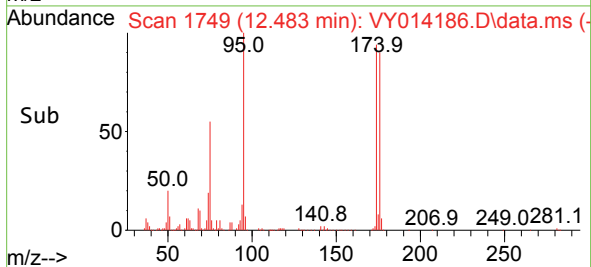
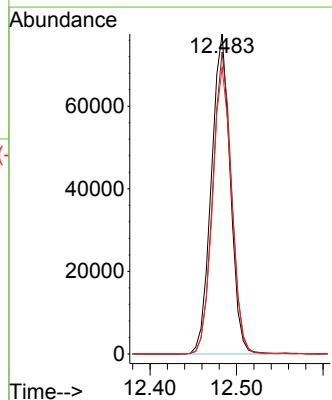
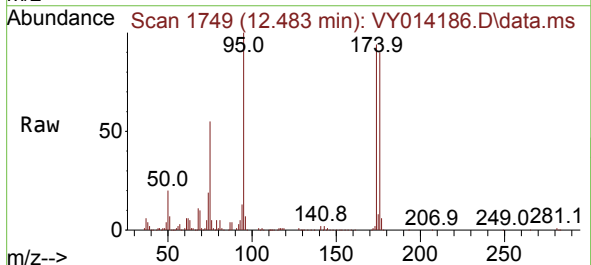
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-26

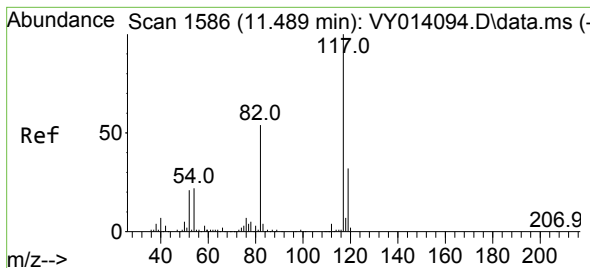
Tgt Ion: 98 Resp: 385787
Ion Ratio Lower Upper
98 100
100 62.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 40.945 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014186.D
Acq: 15 Jun 2023 13:56

Tgt Ion: 95 Resp: 117400
Ion Ratio Lower Upper
95 100
174 94.1 0.0 178.2
176 90.4 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: VY014186.D

Acq: 15 Jun 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-26

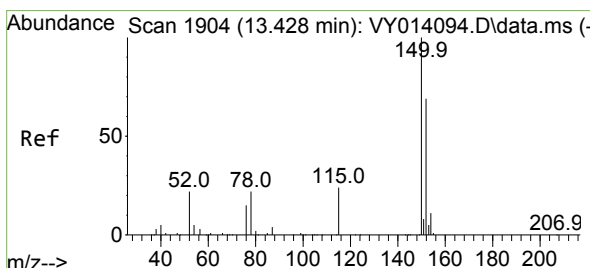
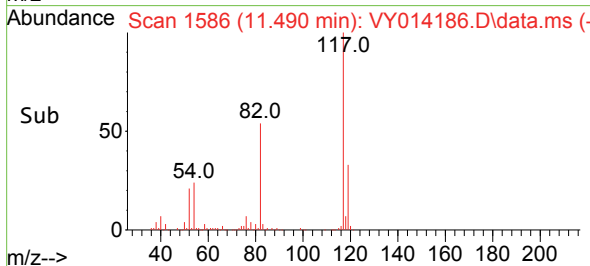
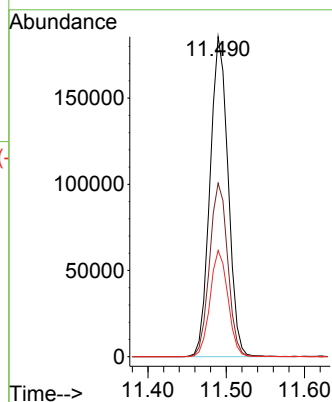
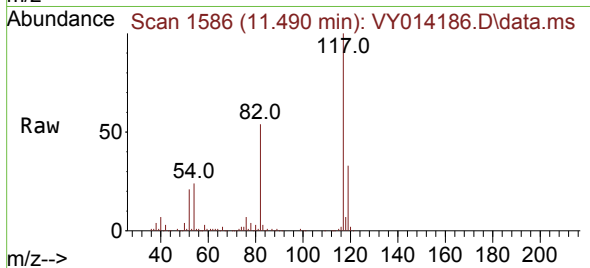
Tgt Ion:117 Resp: 297530

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 33.2 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: VY014186.D

Acq: 15 Jun 2023 13:56

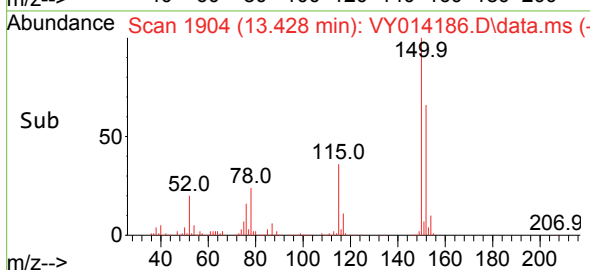
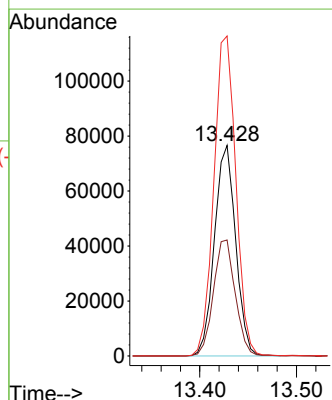
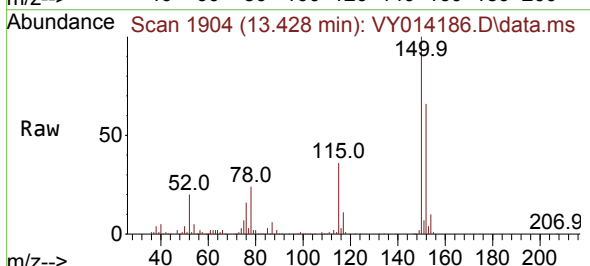
Tgt Ion:152 Resp: 116723

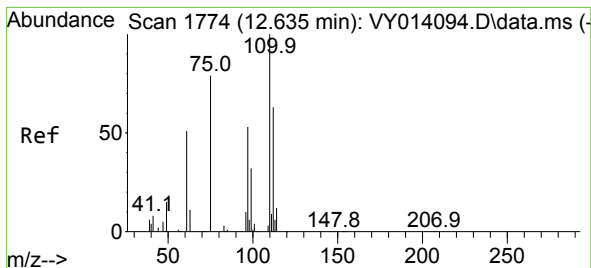
Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 157.1 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 42.396 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014186.D

Acq: 15 Jun 2023 13:56

Instrument :

MSVOA_Y

ClientSampleId :

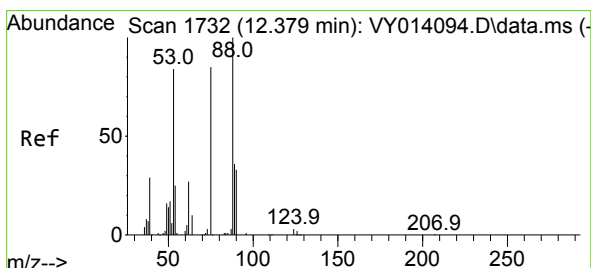
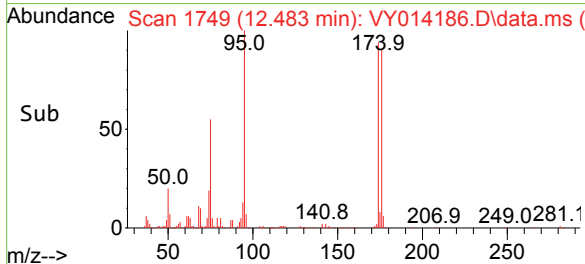
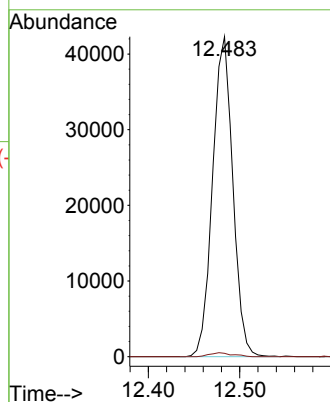
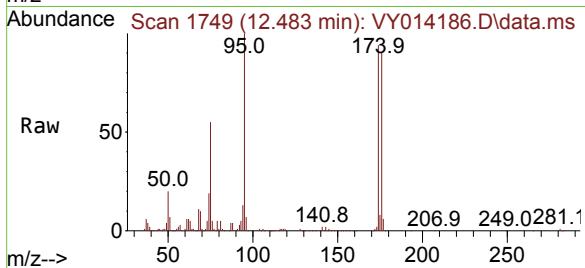
TOTAL-VOC-GRAB-4-SB-26

Tgt Ion: 75 Resp: 64925

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.645 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014186.D

Acq: 15 Jun 2023 13:56

Tgt Ion: 75 Resp: 64925

Ion Ratio Lower Upper

75 100

53 0.4 77.8 116.8#

89 0.0 37.4 56.0#

