

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014426.D
 Acq On : 26 Jun 2023 12:09
 Operator : KP/MD
 Sample : 03362-19RE
 Misc : 11.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-19-20-SB-20-GRAB-5RE

Quant Time: Jun 27 01:45:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

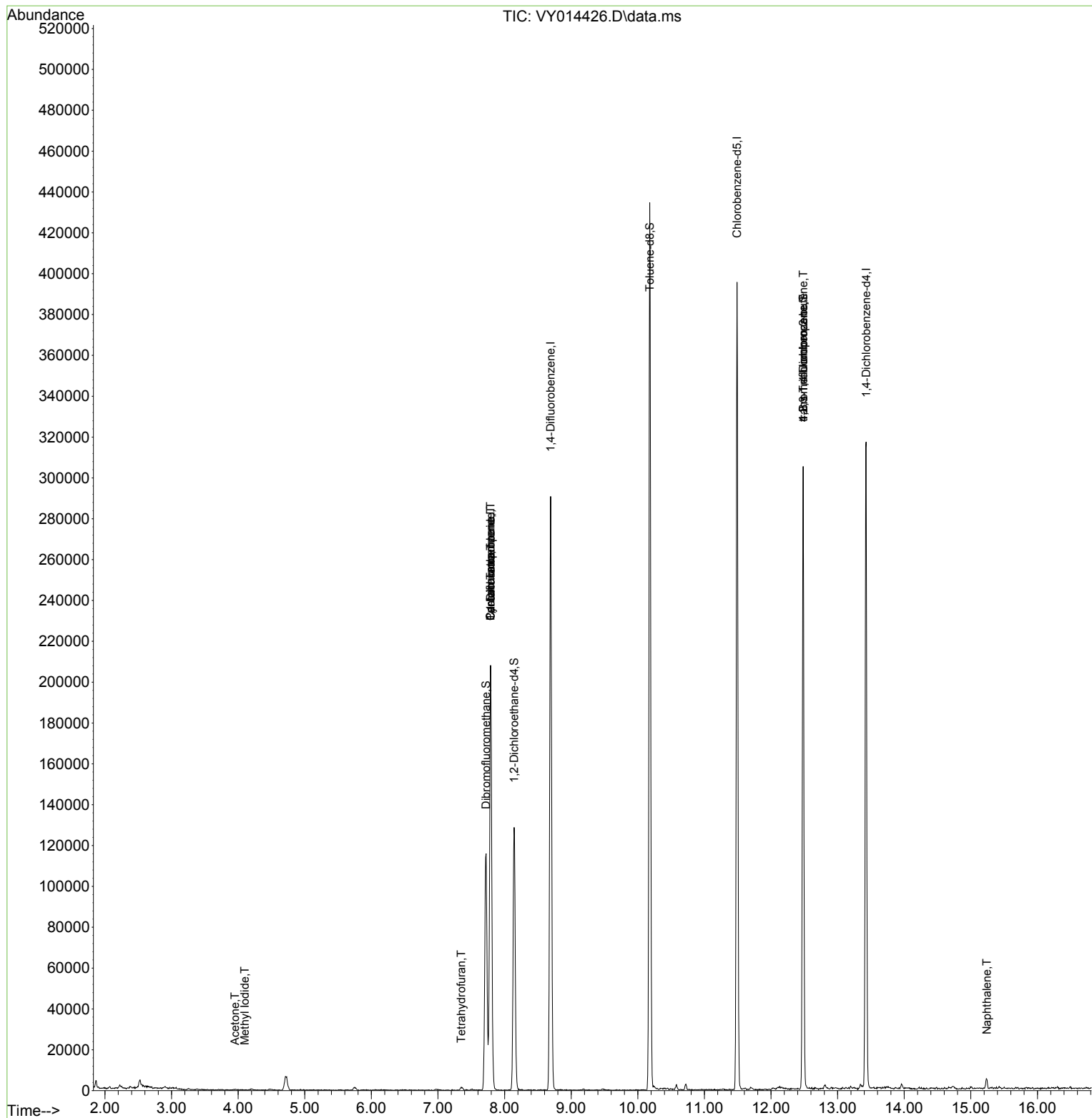
Internal Standards						
1) Pentafluorobenzene	7.789	168	161161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	212791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	116517	58.231	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.460%			
35) Dibromofluoromethane	7.722	113	75851	50.212	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.420%			
50) Toluene-d8	10.179	98	285362	47.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.040%			
62) 4-Bromofluorobenzene	12.483	95	82110	38.302	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.600%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.100	142	127	2.935	ug/l #	60
11) Tert butyl alcohol	4.972	59	141	Below Cal	#	89
16) Acetone	3.954	43	670	1.064	ug/l	97
20) Methylene Chloride	4.722	84	5418	Below Cal	#	79
29) Tetrahydrofuran	7.350	42	898	1.920	ug/l #	75
31) Cyclohexane	7.789	56	3621	1.465	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	10975	4.715	ug/l #	52
38) Carbon Tetrachloride	7.789	117	15719	5.366	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	47162	44.706	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47162	101.782	ug/l #	11
95) Naphthalene	15.239	128	4656	1.286	ug/l	97

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

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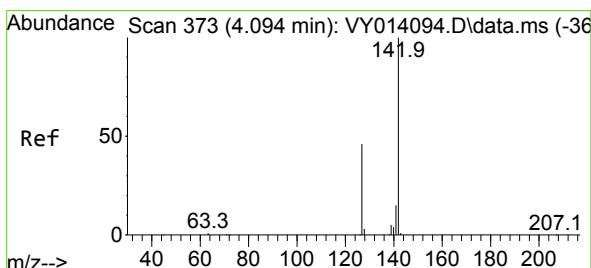
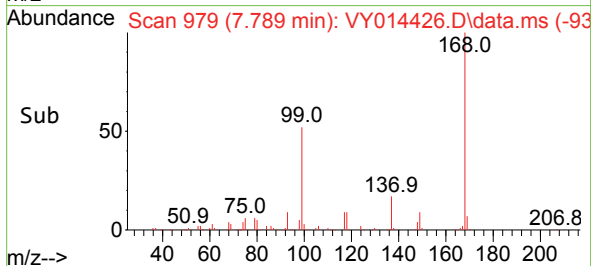
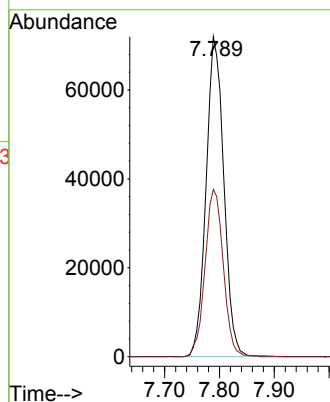
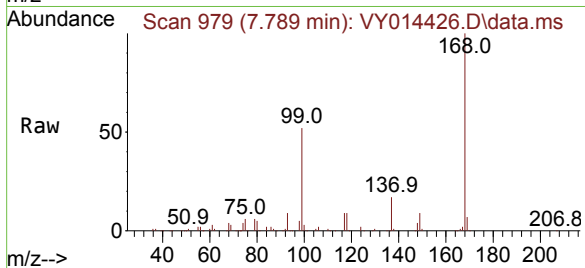




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

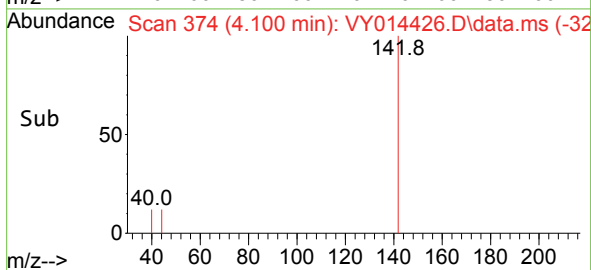
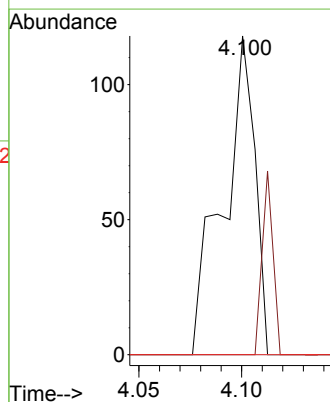
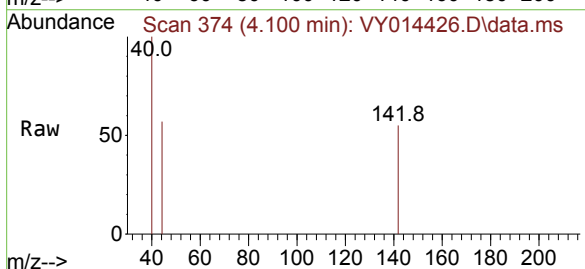
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5RE

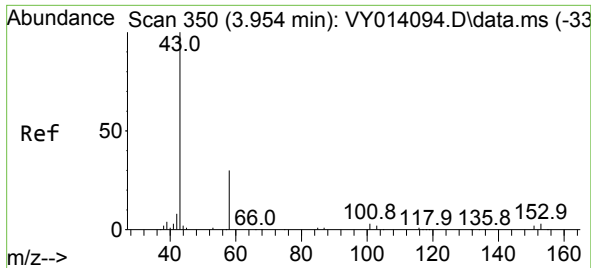
Tgt Ion:168 Resp: 161161
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.935 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

Tgt Ion:142 Resp: 127
Ion Ratio Lower Upper
142 100
127 19.7 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 1.064 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014426.D

Acq: 26 Jun 2023 12:09

Instrument :

MSVOA_Y

ClientSampleId :

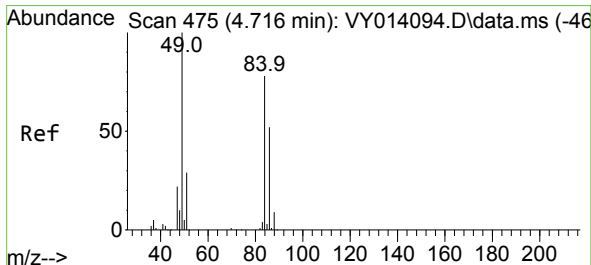
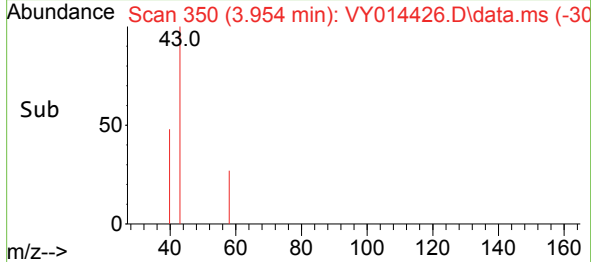
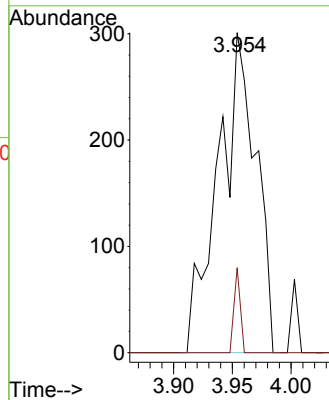
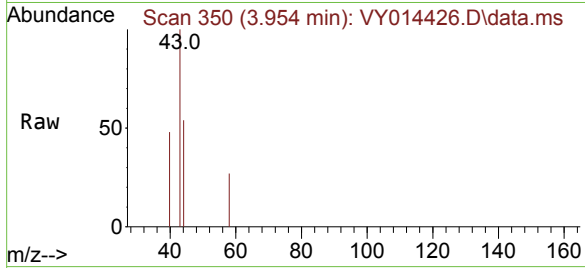
TOTAL-VOC-SB-19-20-SB-20-GRAB-5RE

Tgt Ion: 43 Resp: 670

Ion Ratio Lower Upper

43 100

58 26.6 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY014426.D

Acq: 26 Jun 2023 12:09

Tgt Ion: 84 Resp: 5418

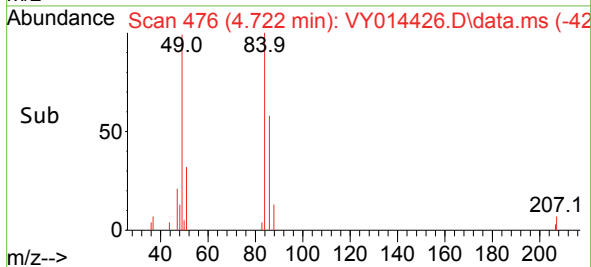
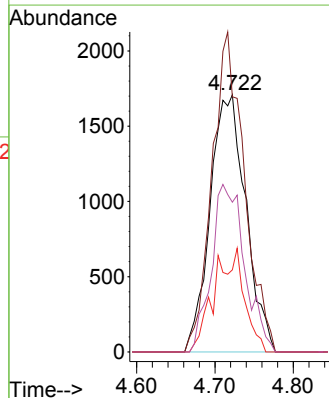
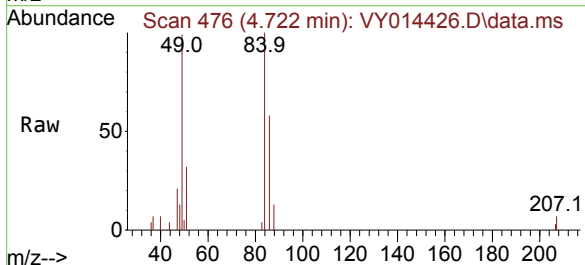
Ion Ratio Lower Upper

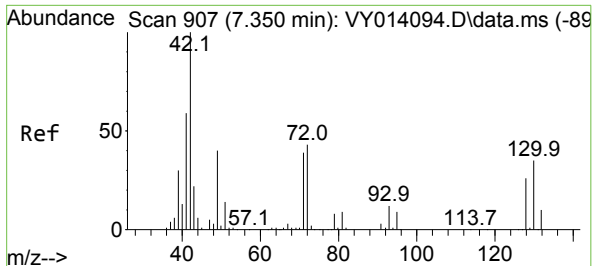
84 100

49 99.2 106.9 160.3#

51 31.9 33.2 49.8#

86 58.3 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.920 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014426.D

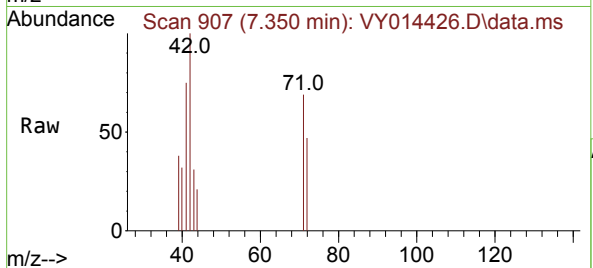
Acq: 26 Jun 2023 12:09

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5RE



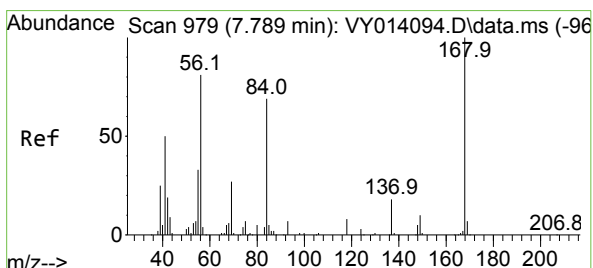
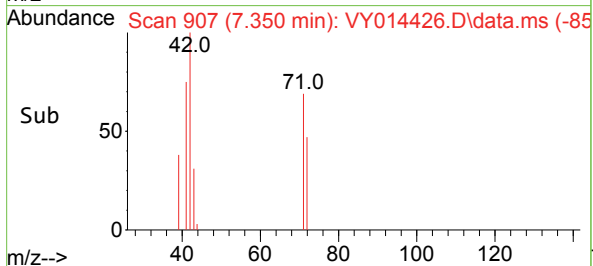
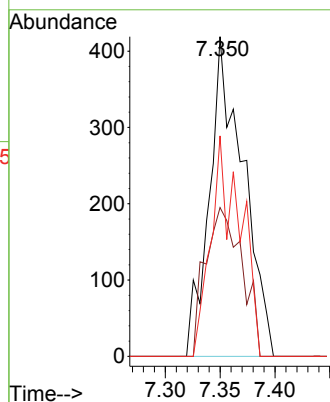
Tgt Ion: 42 Resp: 898

Ion Ratio Lower Upper

42 100

72 50.6 32.8 49.2#

71 60.1 31.0 46.4#



#31

Cyclohexane

Concen: 1.465 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014426.D

Acq: 26 Jun 2023 12:09

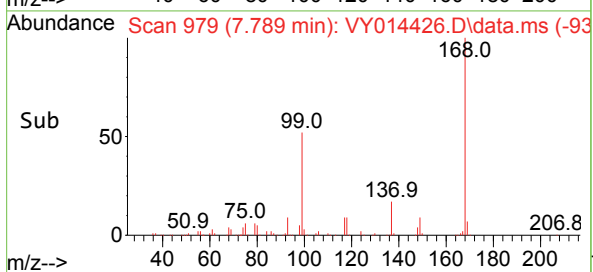
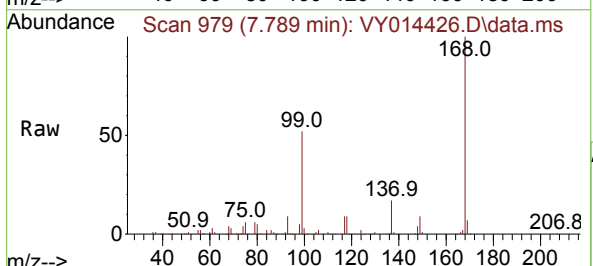
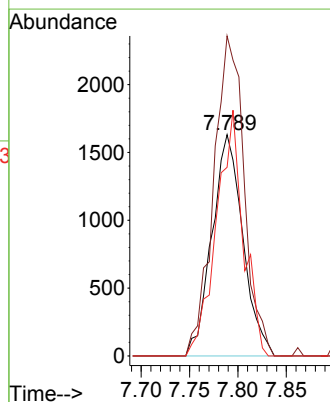
Tgt Ion: 56 Resp: 3621

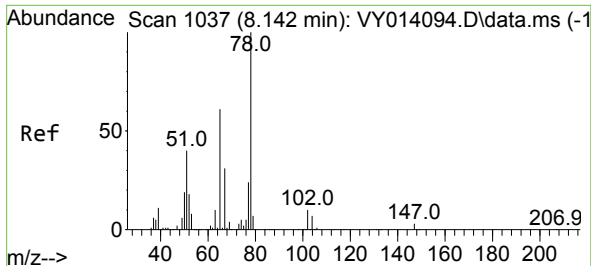
Ion Ratio Lower Upper

56 100

69 144.6 27.8 41.6#

84 85.3 66.4 99.6

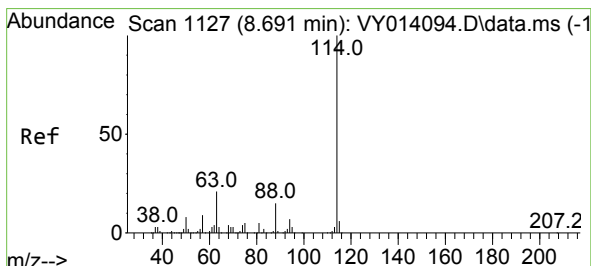
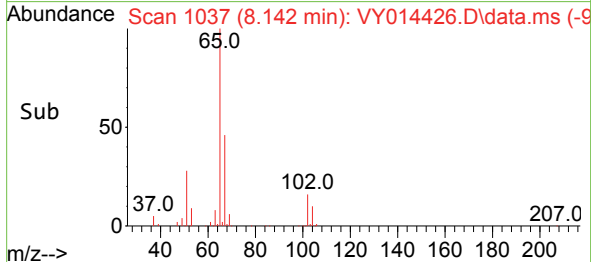
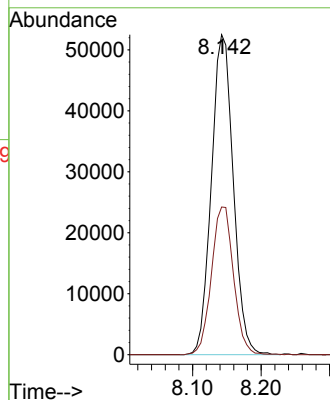
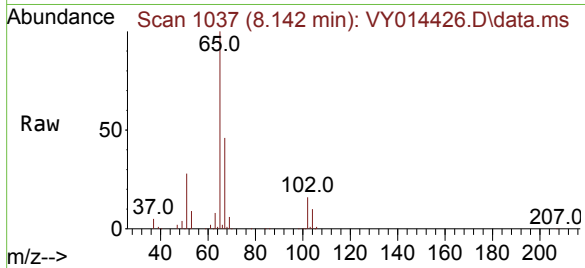




#33
 1,2-Dichloroethane-d4
 Concen: 58.231 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY014426.D
 Acq: 26 Jun 2023 12:09

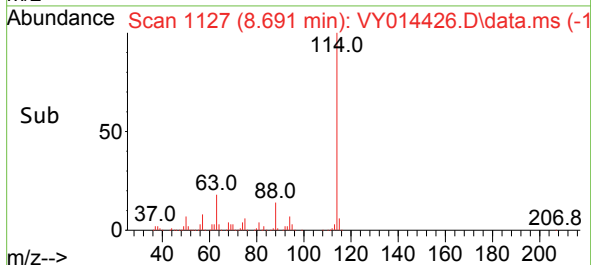
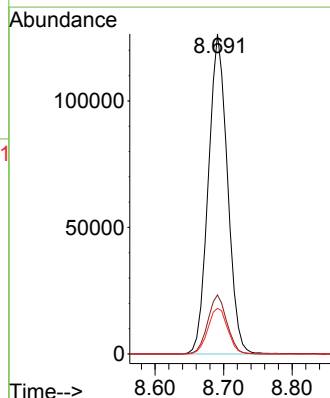
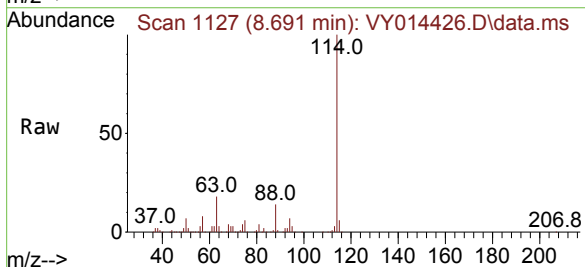
Instrument : MSVOA_Y
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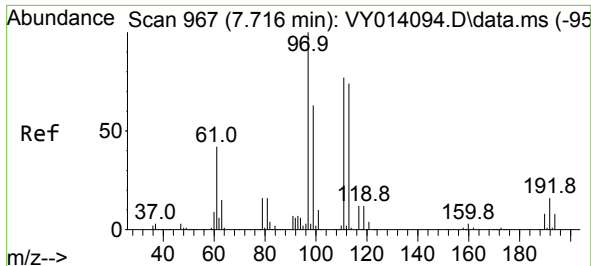
Tgt Ion: 65 Resp: 116517
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014426.D
 Acq: 26 Jun 2023 12:09

Tgt Ion: 114 Resp: 244505
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 42.4
 88 14.3 0.0 30.6

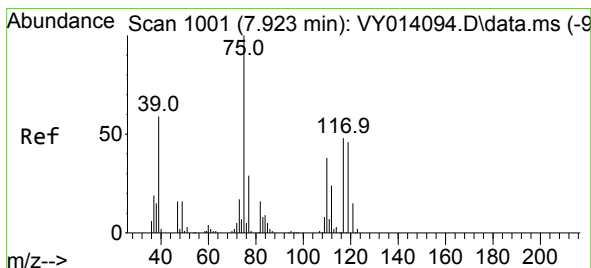
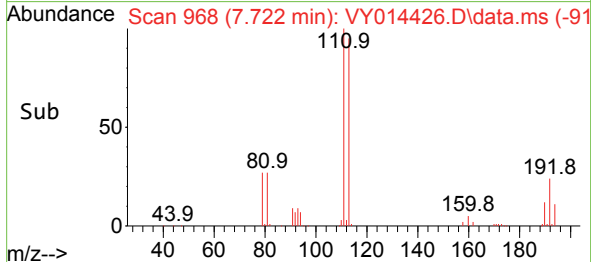
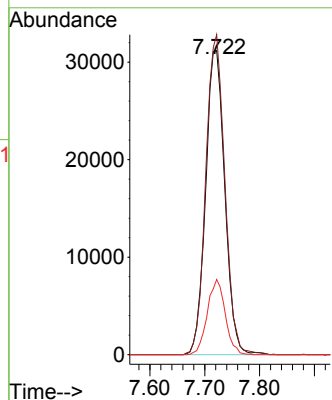
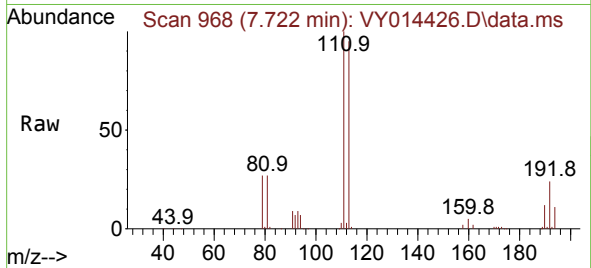




#35
Dibromofluoromethane
Concen: 50.212 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

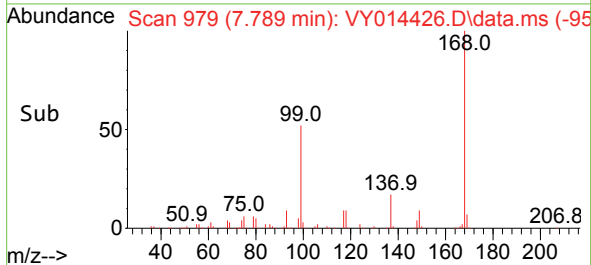
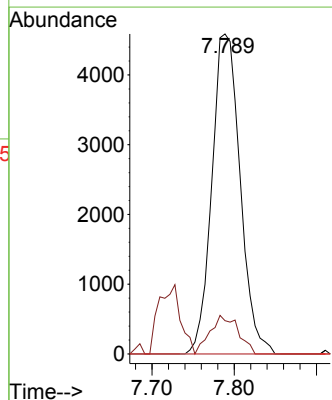
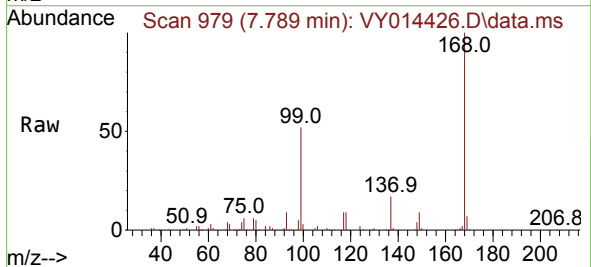
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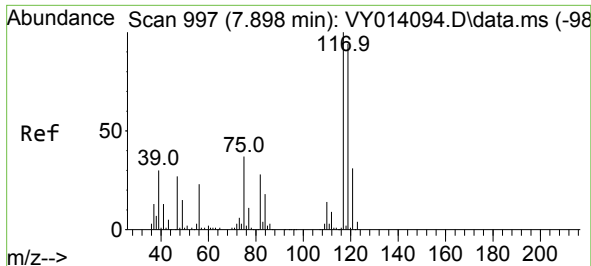
Tgt Ion:113 Resp: 75851
Ion Ratio Lower Upper
113 100
111 104.3 81.3 121.9
192 23.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.715 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

Tgt Ion: 75 Resp: 10975
Ion Ratio Lower Upper
75 100
110 11.9 17.8 53.5#
77 0.0 24.4 36.6#

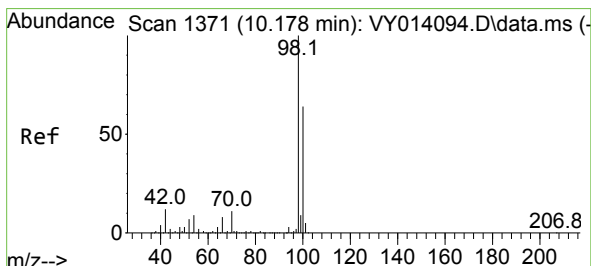
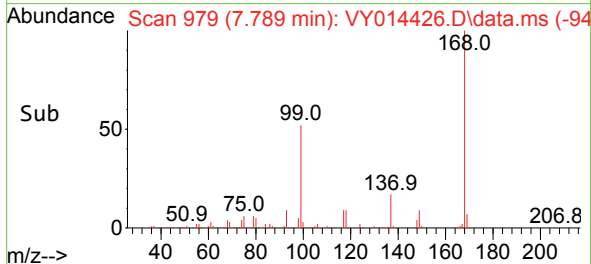
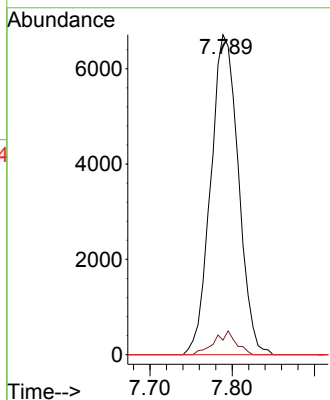
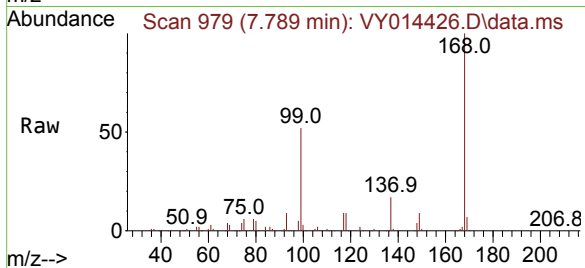




#38
Carbon Tetrachloride
Concen: 5.366 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

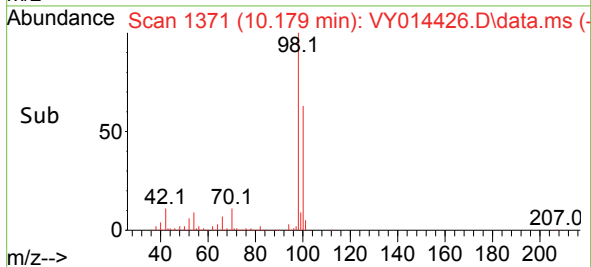
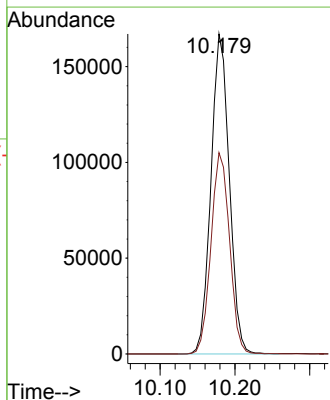
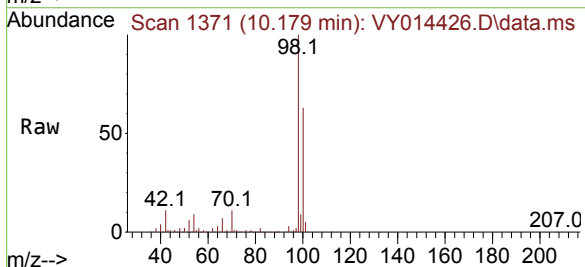
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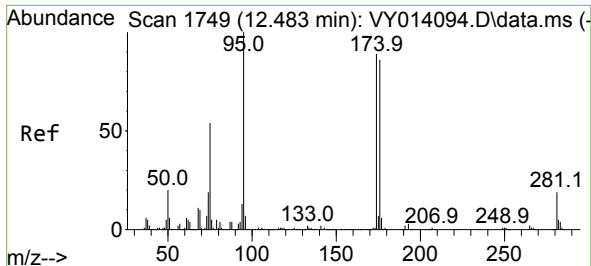
Tgt Ion:117 Resp: 15719
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.522 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

Tgt Ion: 98 Resp: 285362
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1

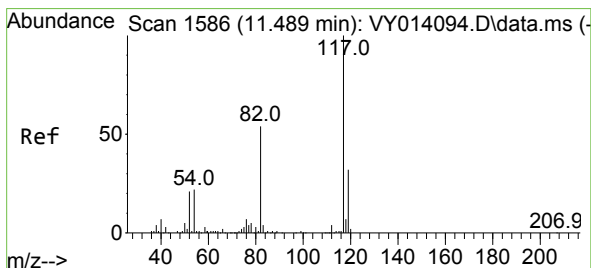
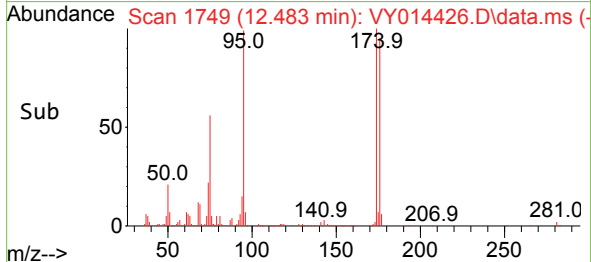
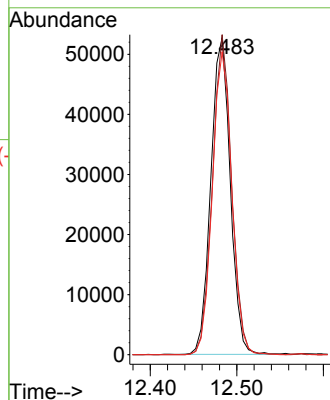
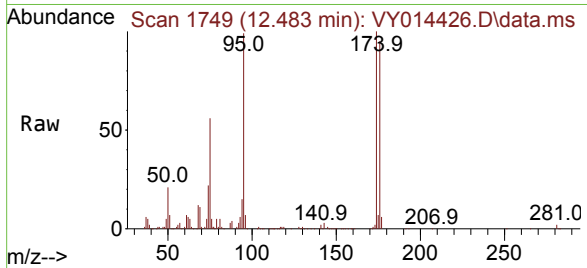




#62
4-Bromofluorobenzene
Concen: 38.302 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

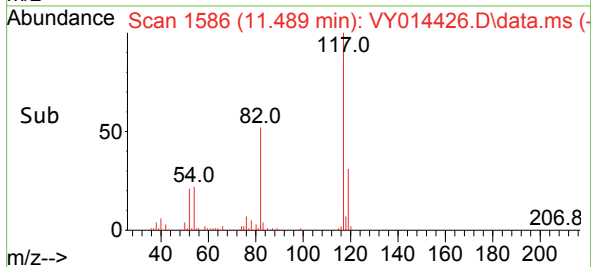
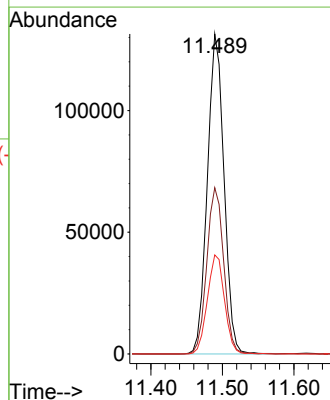
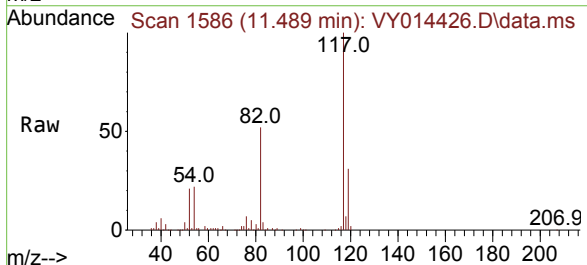
Instrument : MSVOA_Y
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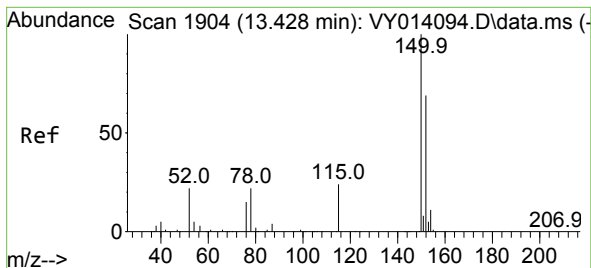
Tgt Ion:	95	Resp:	82110
Ion	Ratio	Lower	Upper
95	100		
174	99.8	0.0	178.2
176	96.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

Tgt Ion:	117	Resp:	212791
Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.4	65.0
119	30.9	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: VY014426.D

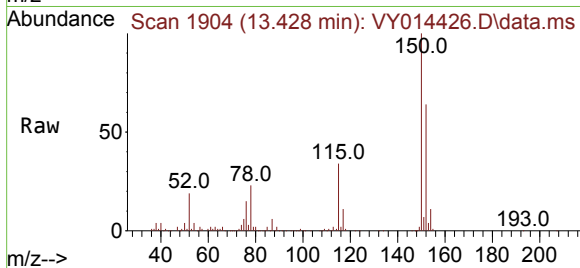
Acq: 26 Jun 2023 12:09

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5RE



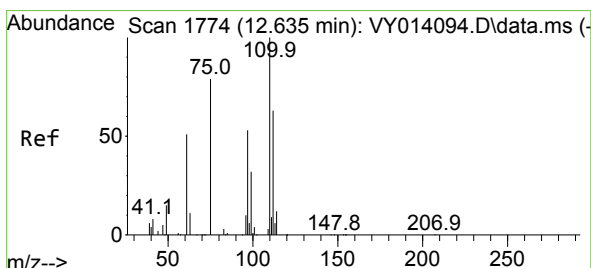
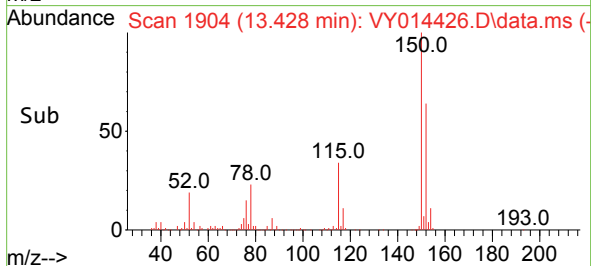
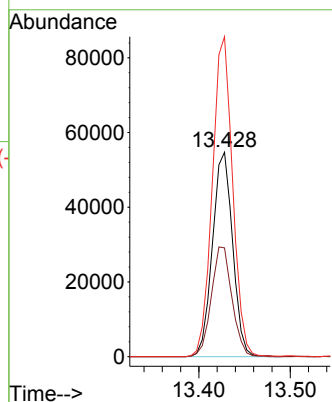
Tgt Ion:152 Resp: 84097

Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 157.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 44.706 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014426.D

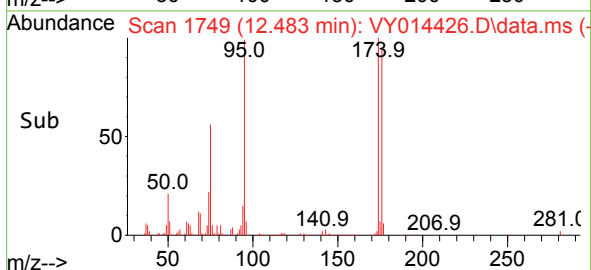
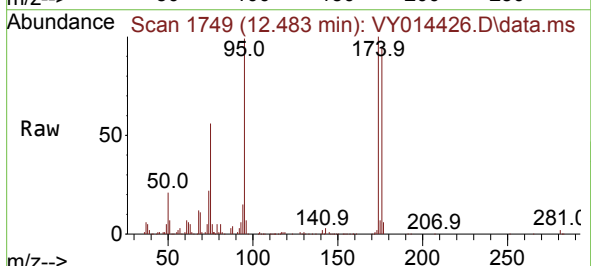
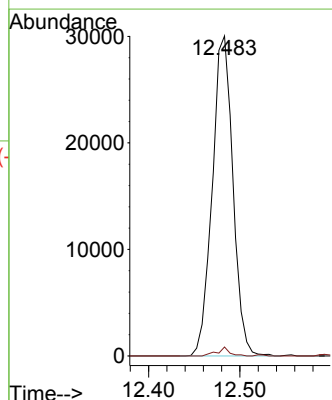
Acq: 26 Jun 2023 12:09

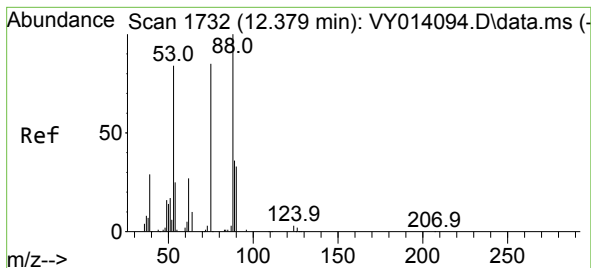
Tgt Ion: 75 Resp: 47162

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

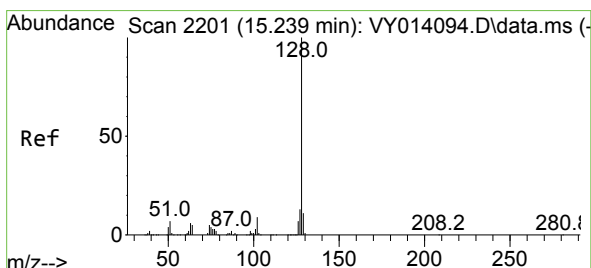
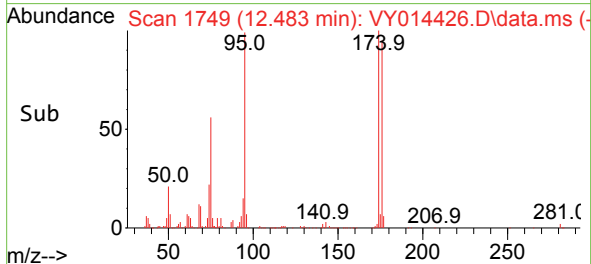
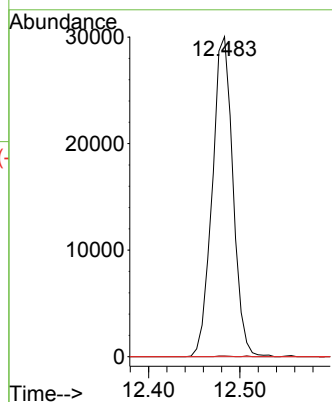
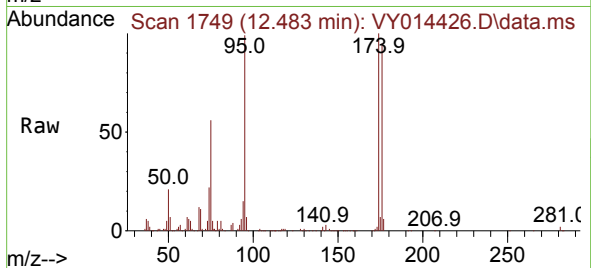




#81
trans-1,4-Dichloro-2-butene
Concen: 101.782 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5RE

Tgt Ion: 75 Resp: 47162
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.286 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY014426.D
Acq: 26 Jun 2023 12:09

Tgt Ion:128 Resp: 4656
Ion Ratio Lower Upper
128 100
127 12.0 10.8 16.2
129 11.5 8.6 13.0

