

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012589.D
 Acq On : 14 Feb 2023 15:21
 Operator : KP/MD
 Sample : 01538-14
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-GRAB-40

Quant Time: Feb 15 01:29:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

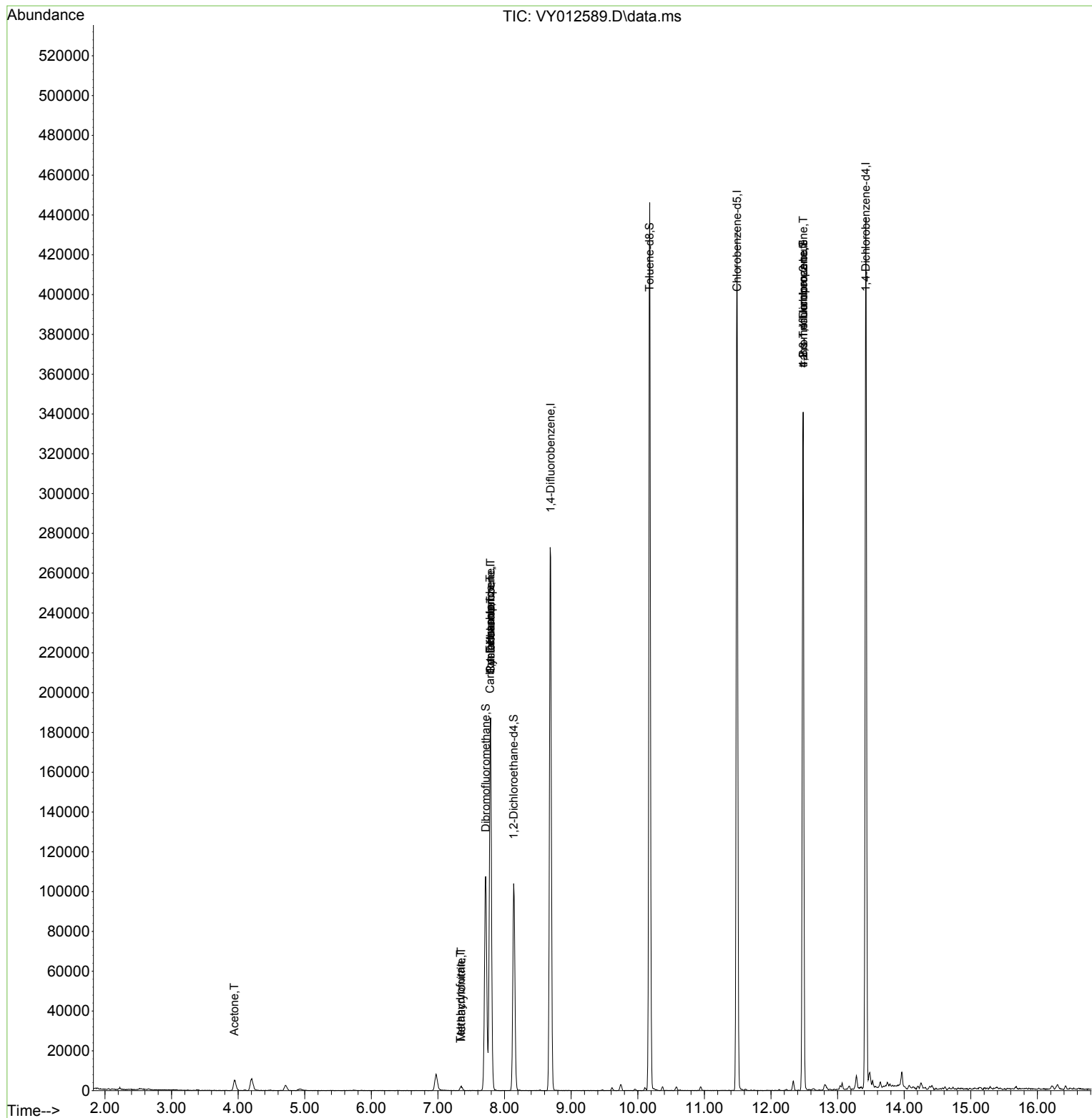
Internal Standards						
1) Pentafluorobenzene	7.789	168	148343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	244349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	88716	47.030	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.060%		
35) Dibromofluoromethane	7.716	113	73068	40.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.440%		
50) Toluene-d8	10.179	98	294023	39.369	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.740%		
62) 4-Bromofluorobenzene	12.483	95	98826	37.937	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.880%		
Target Compounds						Qvalue
5) Bromomethane	2.662	94	130	Below Cal		82
11) Tert butyl alcohol	4.936	59	1154	Below Cal	#	75
16) Acetone	3.942	43	9224	20.316	ug/l	94
20) Methylene Chloride	4.723	84	2116	Below Cal	#	76
29) Tetrahydrofuran	7.338	42	1455	5.343	ug/l	# 86
31) Cyclohexane	7.789	56	2536	1.163	ug/l	# 27
36) 1,1-Dichloropropene	7.789	75	10007	4.121	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	14228	4.365	ug/l	# 18
41) Methacrylonitrile	7.350	41	795	1.324	ug/l	# 100
76) 1,2,3-Trichloropropane	12.483	75	53878	40.619	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	53878	91.598	ug/l	# 12

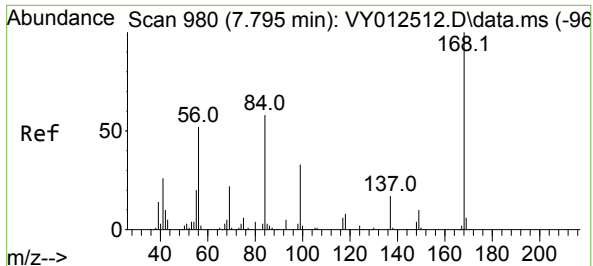
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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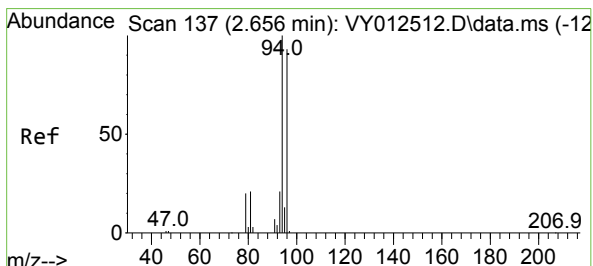
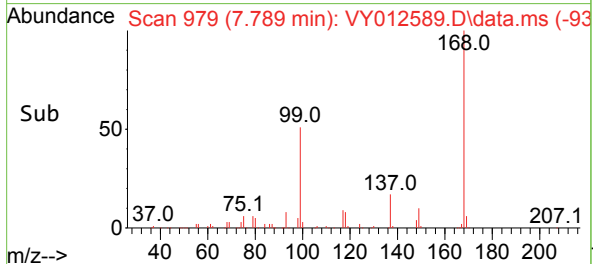
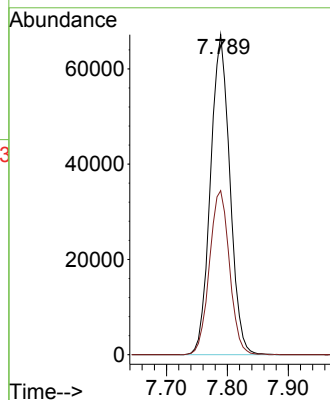
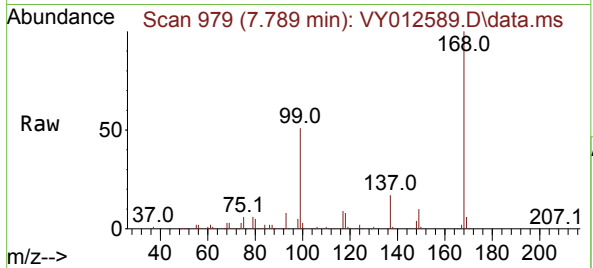




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

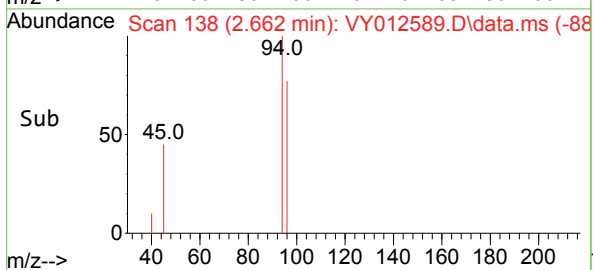
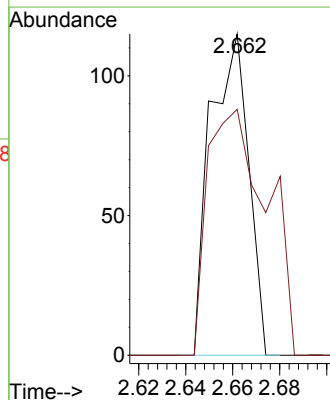
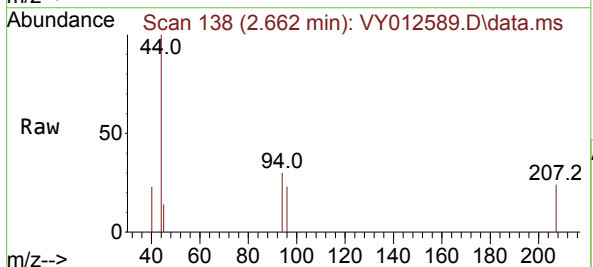
Instrument :
MSVOA_Y
ClientSampleId :
VOC-GRAB-40

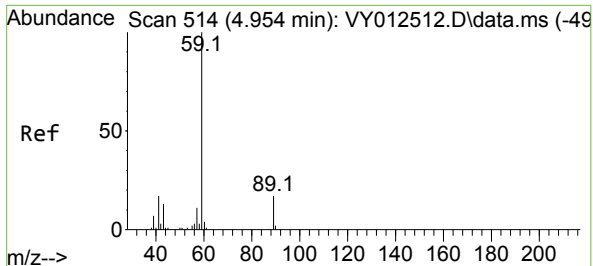
Tgt Ion:168 Resp: 148343
Ion Ratio Lower Upper
168 100
99 51.2 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

Tgt Ion: 94 Resp: 130
Ion Ratio Lower Upper
94 100
96 76.5 74.7 112.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 514

Delta R.T. -0.018 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

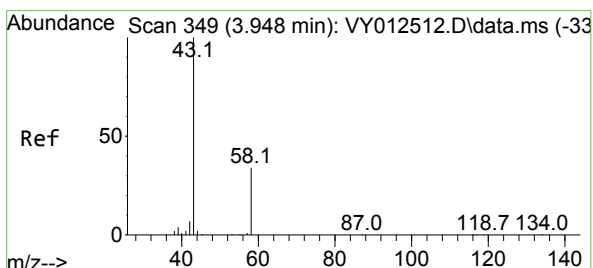
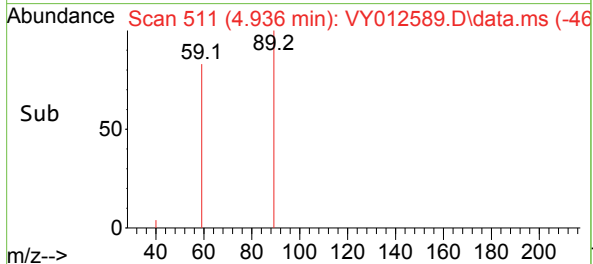
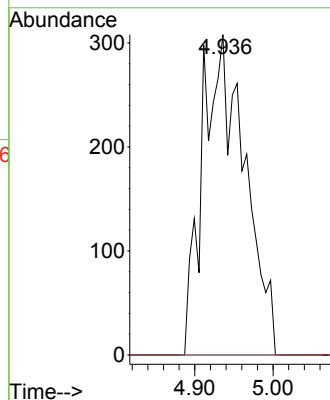
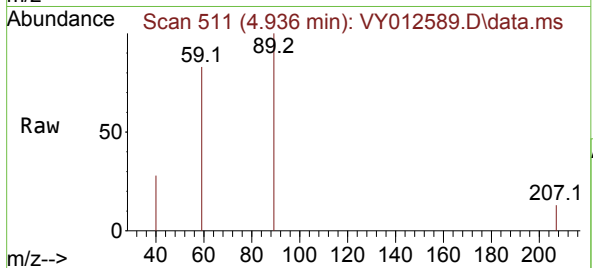
VOC-GRAB-40

Tgt Ion: 59 Resp: 1154

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 20.316 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY012589.D

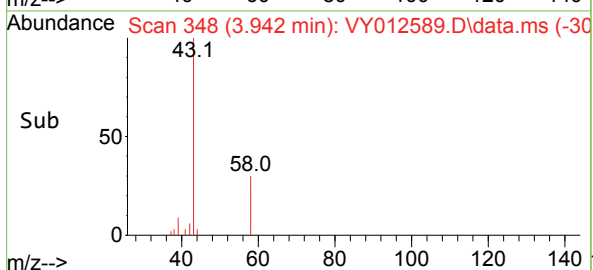
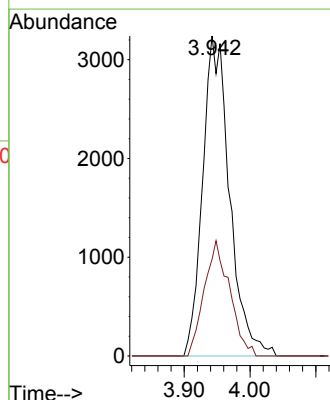
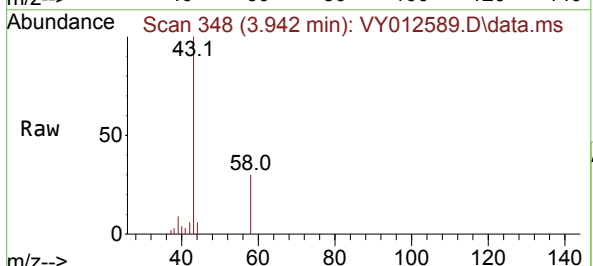
Acq: 14 Feb 2023 15:21

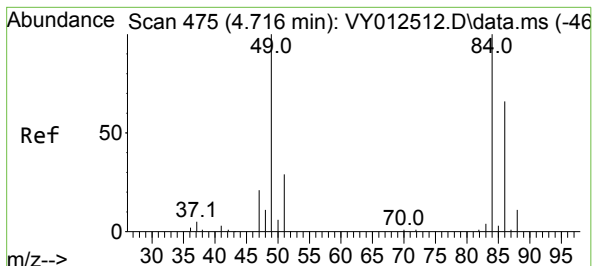
Tgt Ion: 43 Resp: 9224

Ion Ratio Lower Upper

43 100

58 30.2 27.1 40.7





#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-40

Tgt Ion: 84 Resp: 2116

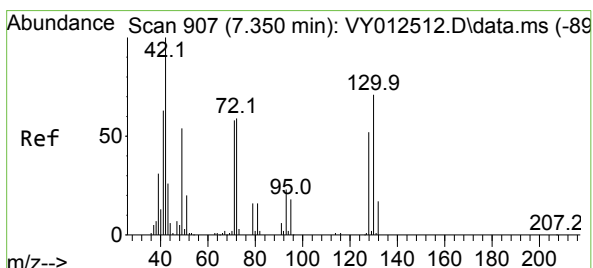
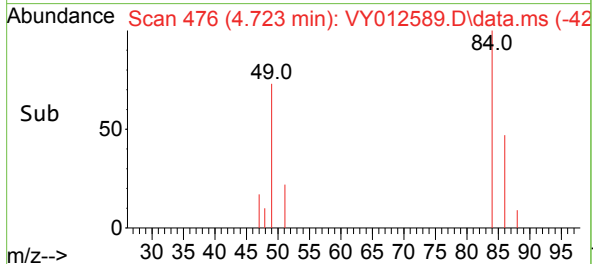
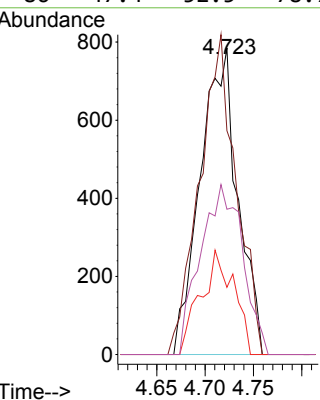
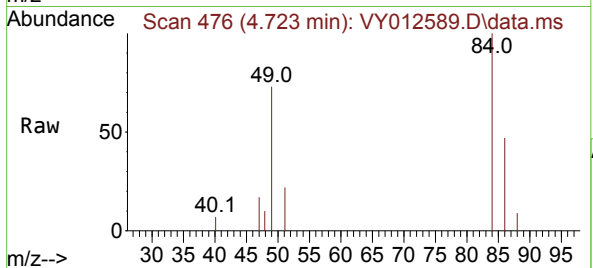
Ion Ratio Lower Upper

84 100

49 73.0 79.8 119.6#

51 21.9 23.4 35.2#

86 47.4 52.5 78.7#



#29

Tetrahydrofuran

Concen: 5.343 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.012 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

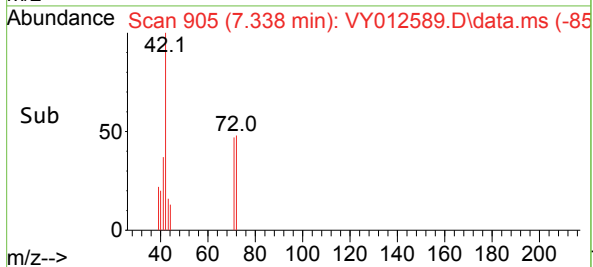
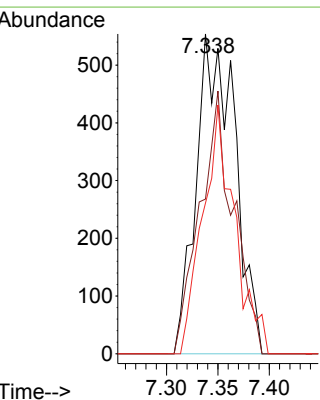
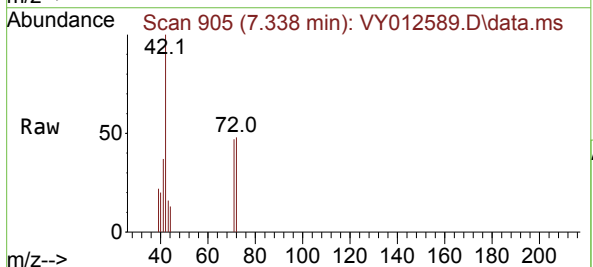
Tgt Ion: 42 Resp: 1455

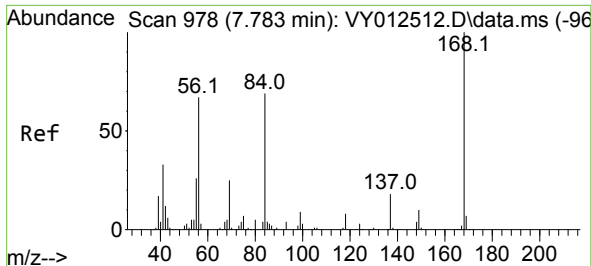
Ion Ratio Lower Upper

42 100

72 71.1 47.0 70.6#

71 63.8 44.6 66.8

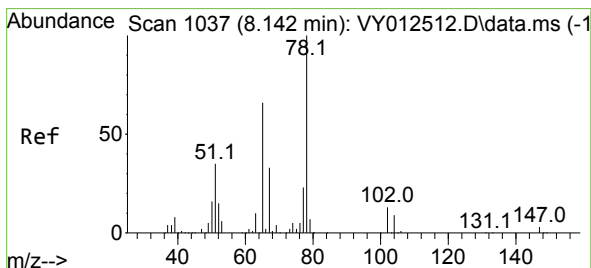
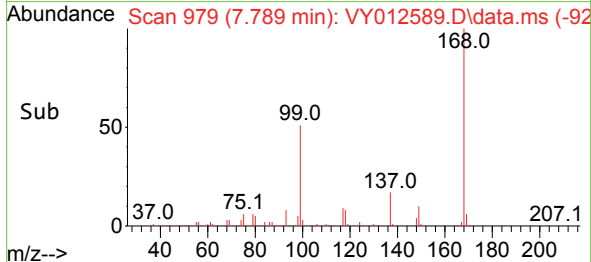
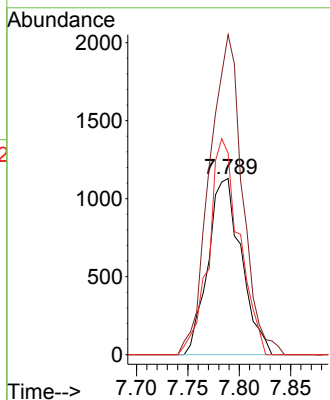
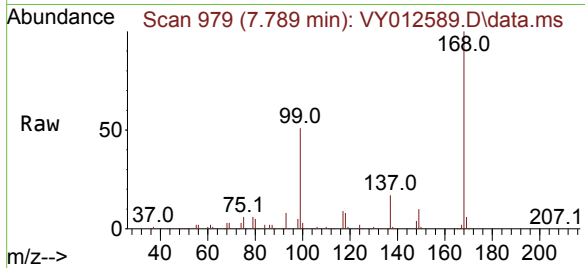




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

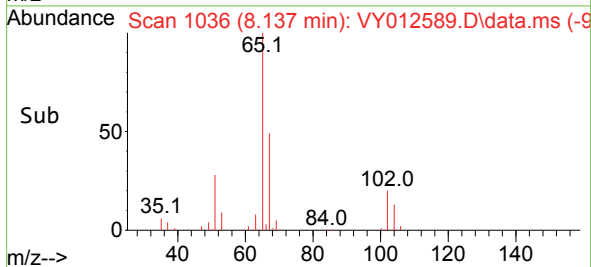
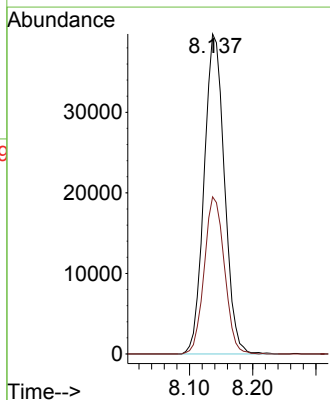
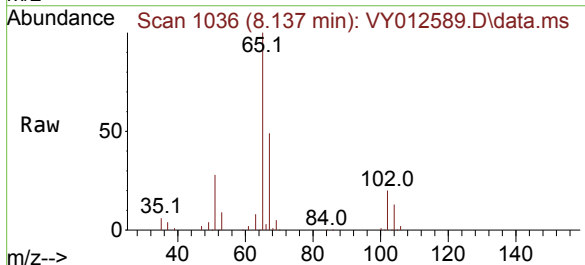
Instrument :
MSVOA_Y
ClientSampleId :
VOC-GRAB-40

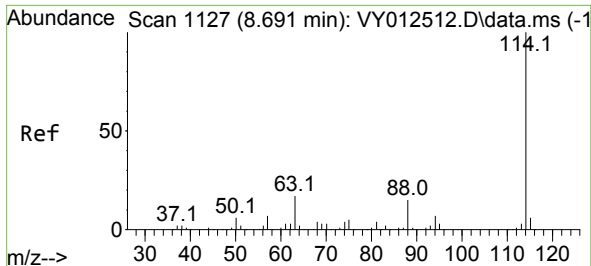
Tgt Ion: 56 Resp: 2536
Ion Ratio Lower Upper
56 100
69 181.7 29.5 44.3#
84 114.3 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 47.030 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

Tgt Ion: 65 Resp: 88716
Ion Ratio Lower Upper
65 100
67 48.8 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-40

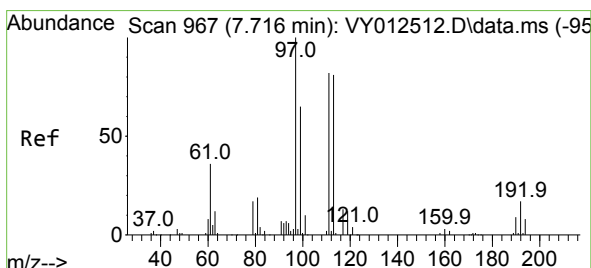
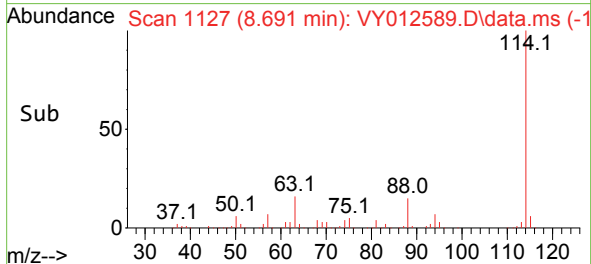
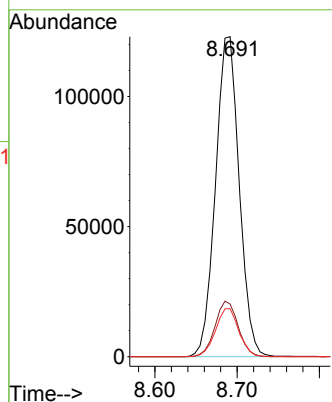
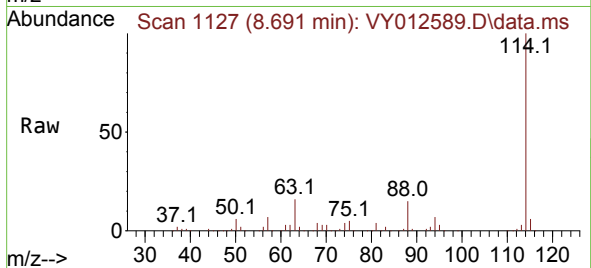
Tgt Ion:114 Resp: 246382

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.722 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

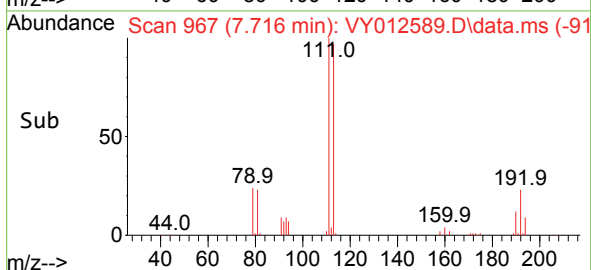
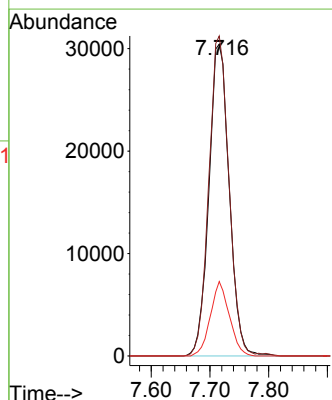
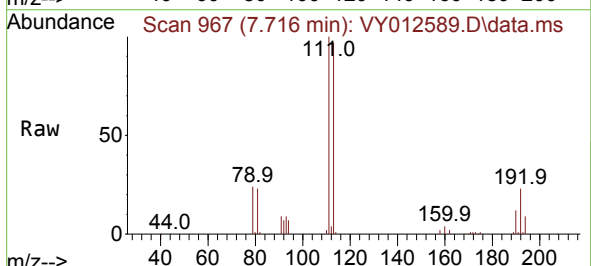
Tgt Ion:113 Resp: 73068

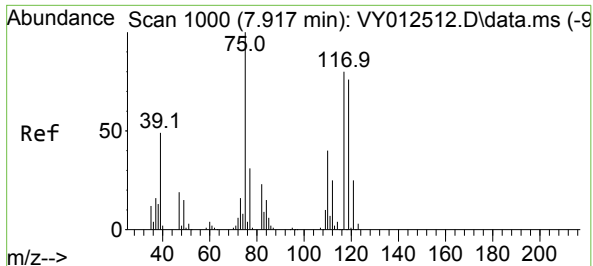
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 22.3 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.121 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-40

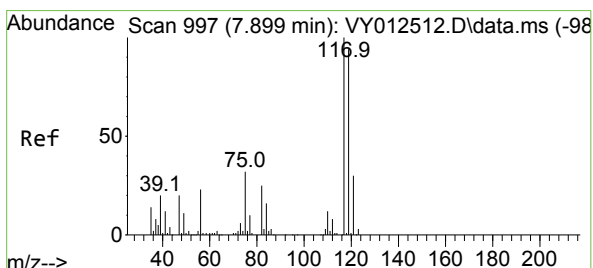
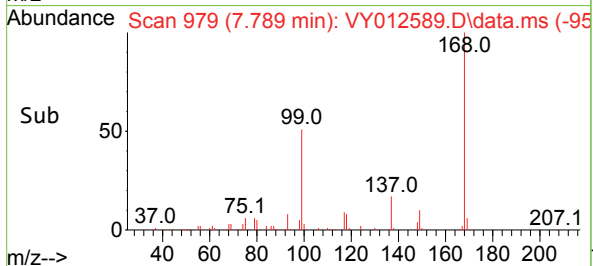
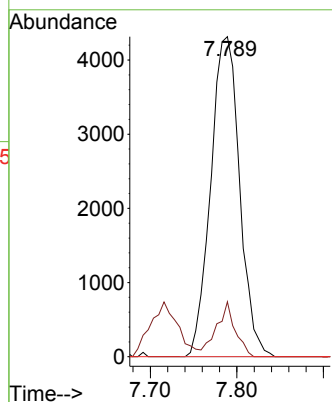
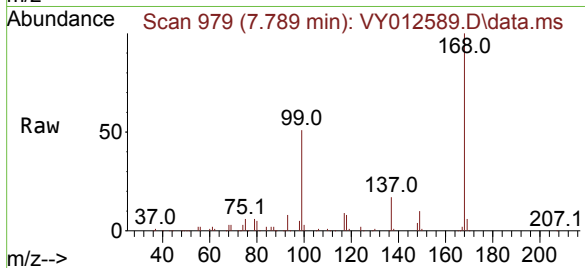
Tgt Ion: 75 Resp: 10007

Ion Ratio Lower Upper

75 100

110 11.0 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.365 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

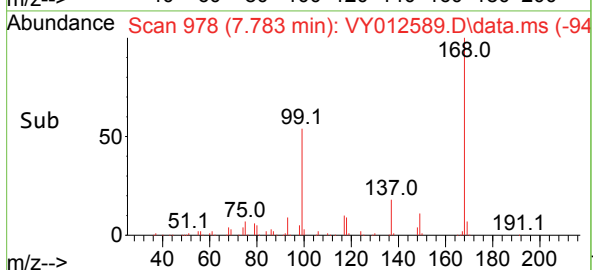
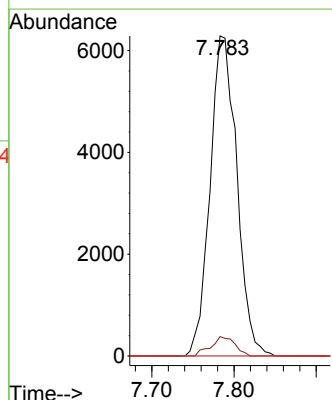
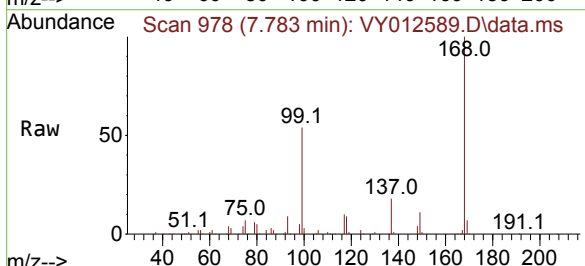
Tgt Ion: 117 Resp: 14228

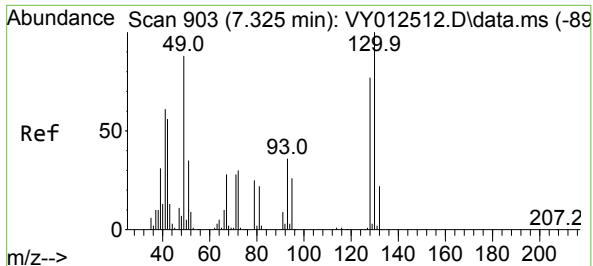
Ion Ratio Lower Upper

117 100

119 6.0 75.1 112.7#

121 0.0 24.3 36.5#

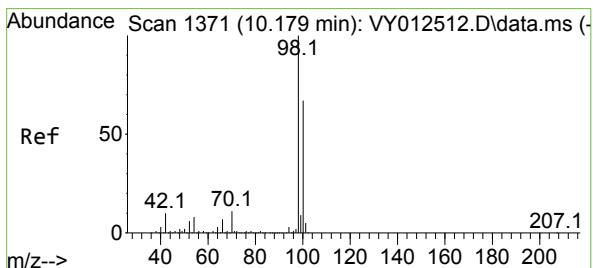
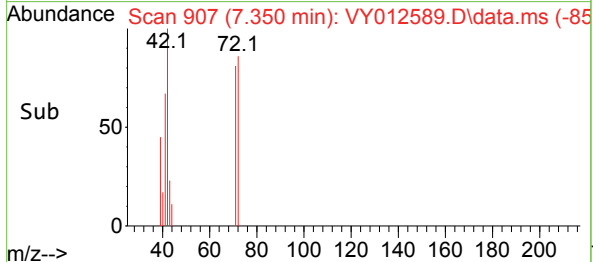
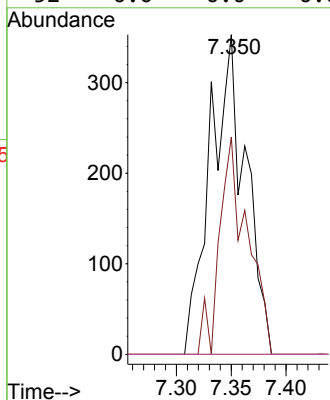
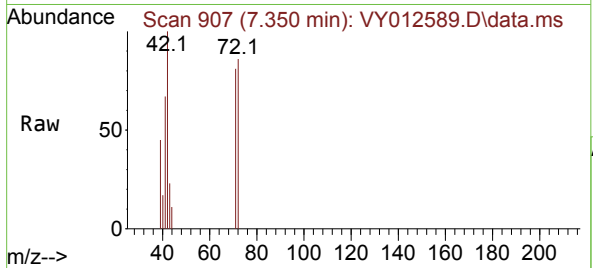




#41
Methacrylonitrile
Concen: 1.324 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.025 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

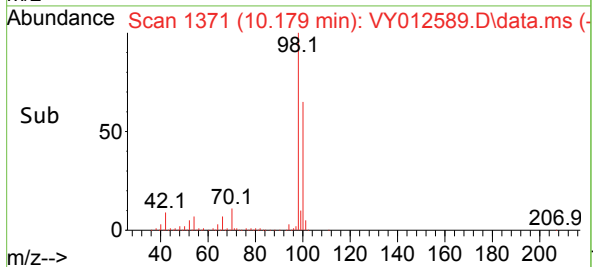
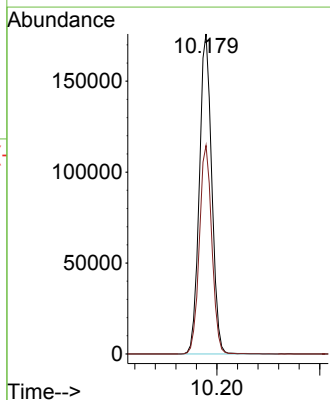
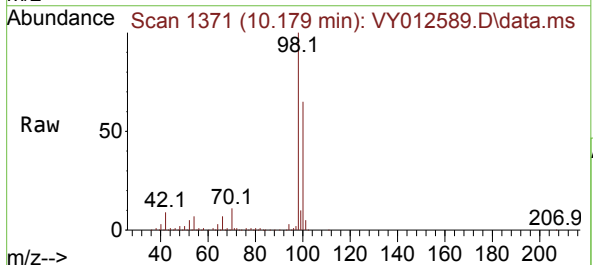
Instrument :
MSVOA_Y
ClientSampleId :
VOC-GRAB-40

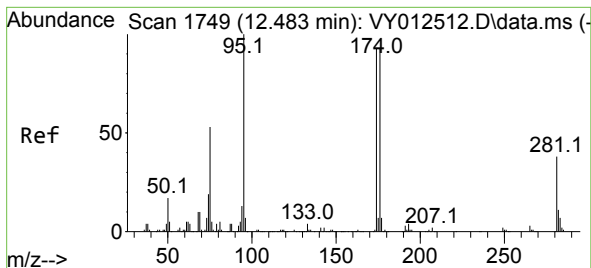
Tgt Ion: 41	Resp: 795
Ion Ratio	Lower Upper
41 100	
39 53.5	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 39.369 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

Tgt Ion: 98	Resp: 294023
Ion Ratio	Lower Upper
98 100	
100 65.4	52.2 78.2

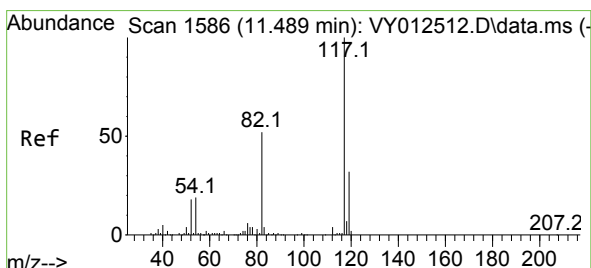
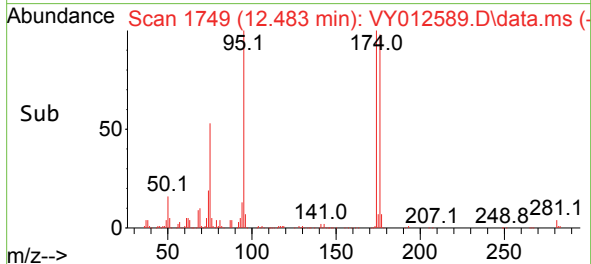
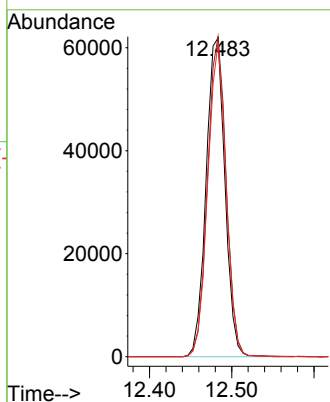
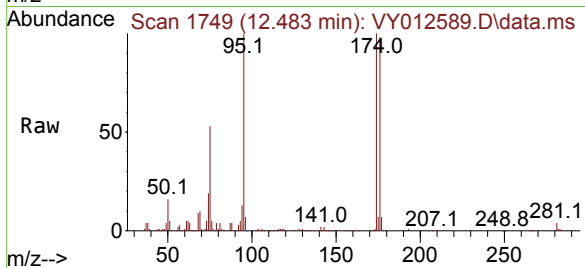




#62
4-Bromofluorobenzene
Concen: 37.937 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

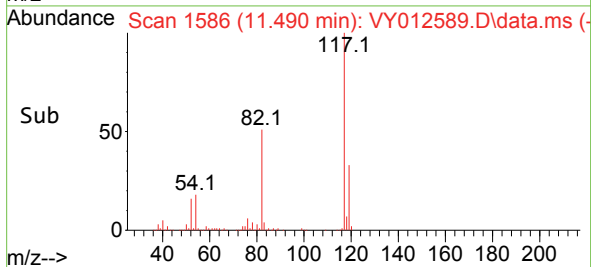
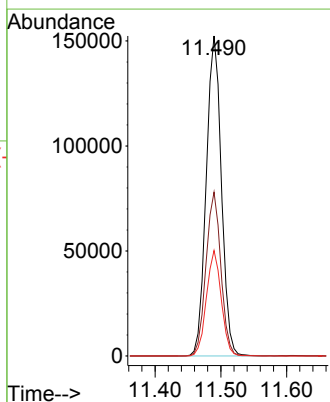
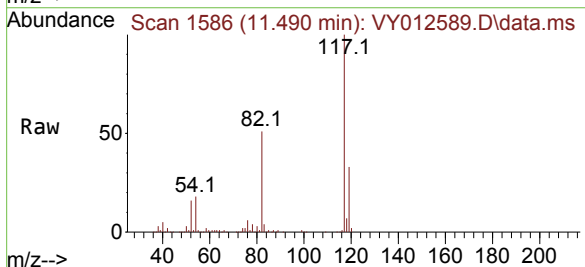
Instrument :
MSVOA_Y
ClientSampleId :
VOC-GRAB-40

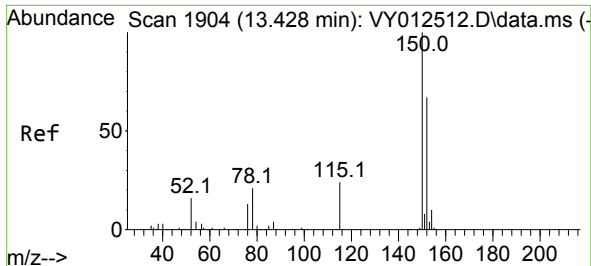
Tgt Ion:	95	Resp:	98826
Ion Ratio	Lower	Upper	
95	100		
174	99.3	0.0	188.0
176	95.6	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

Tgt Ion:	117	Resp:	244349
Ion Ratio	Lower	Upper	
117	100		
82	51.2	41.7	62.5
119	32.9	25.8	38.8

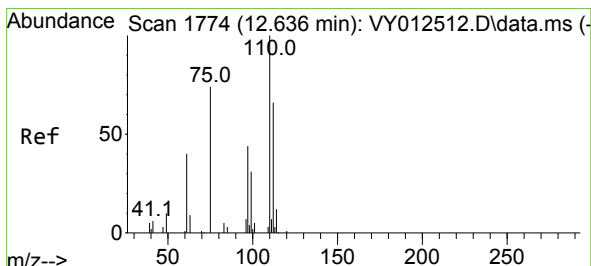
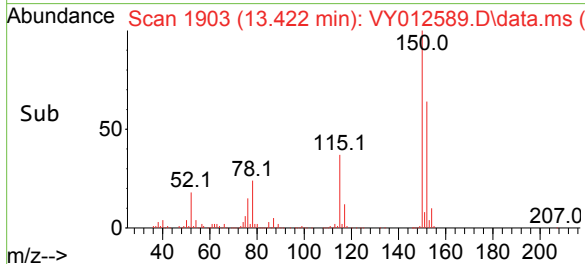
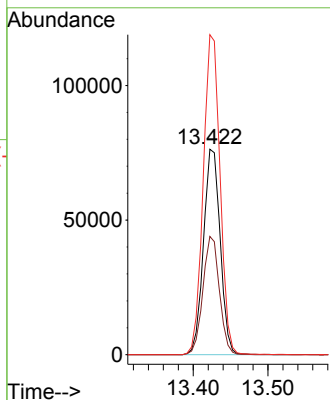
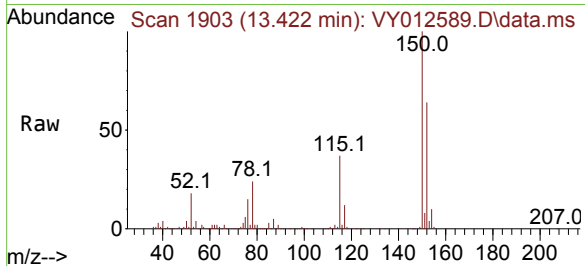




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY012589.D
 Acq: 14 Feb 2023 15:21

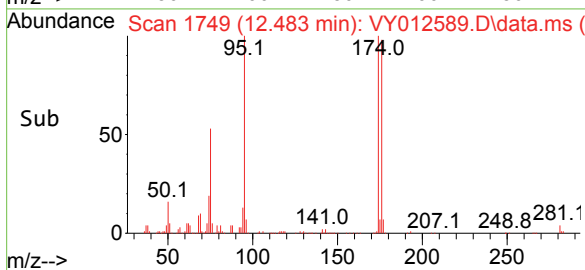
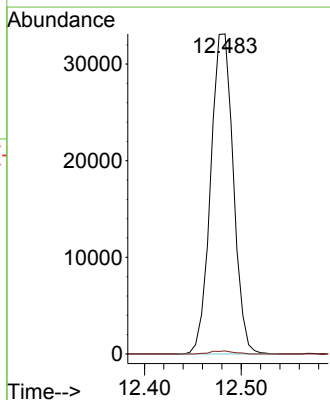
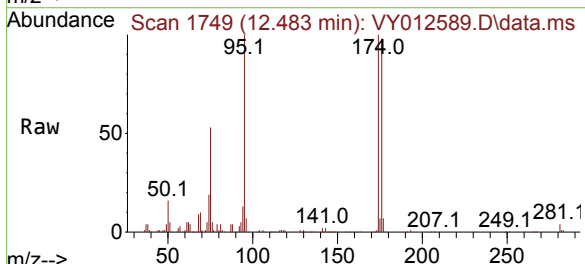
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-GRAB-40

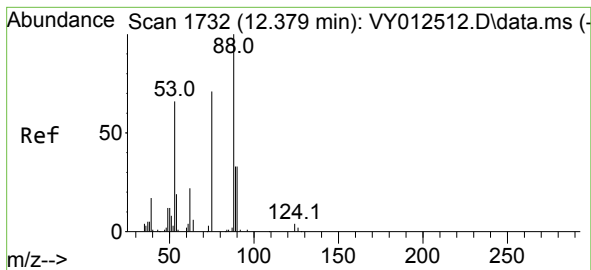
Tgt Ion:152 Resp: 118724
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.1 84.3
 150 156.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 40.619 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012589.D
 Acq: 14 Feb 2023 15:21

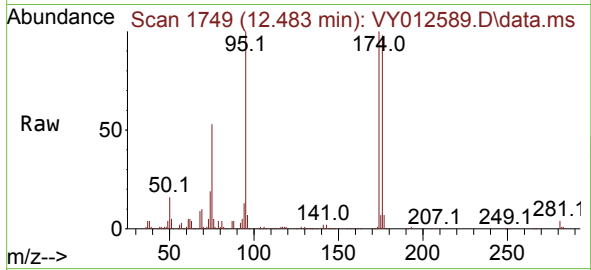
Tgt Ion: 75 Resp: 53878
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.598 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012589.D
 Acq: 14 Feb 2023 15:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-GRAB-40



Tgt Ion: 75 Resp: 53878
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

