

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012590.D
 Acq On : 14 Feb 2023 15:44
 Operator : KP/MD
 Sample : 01538-21
 Misc : 4.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-44

Quant Time: Feb 15 01:29:45 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)

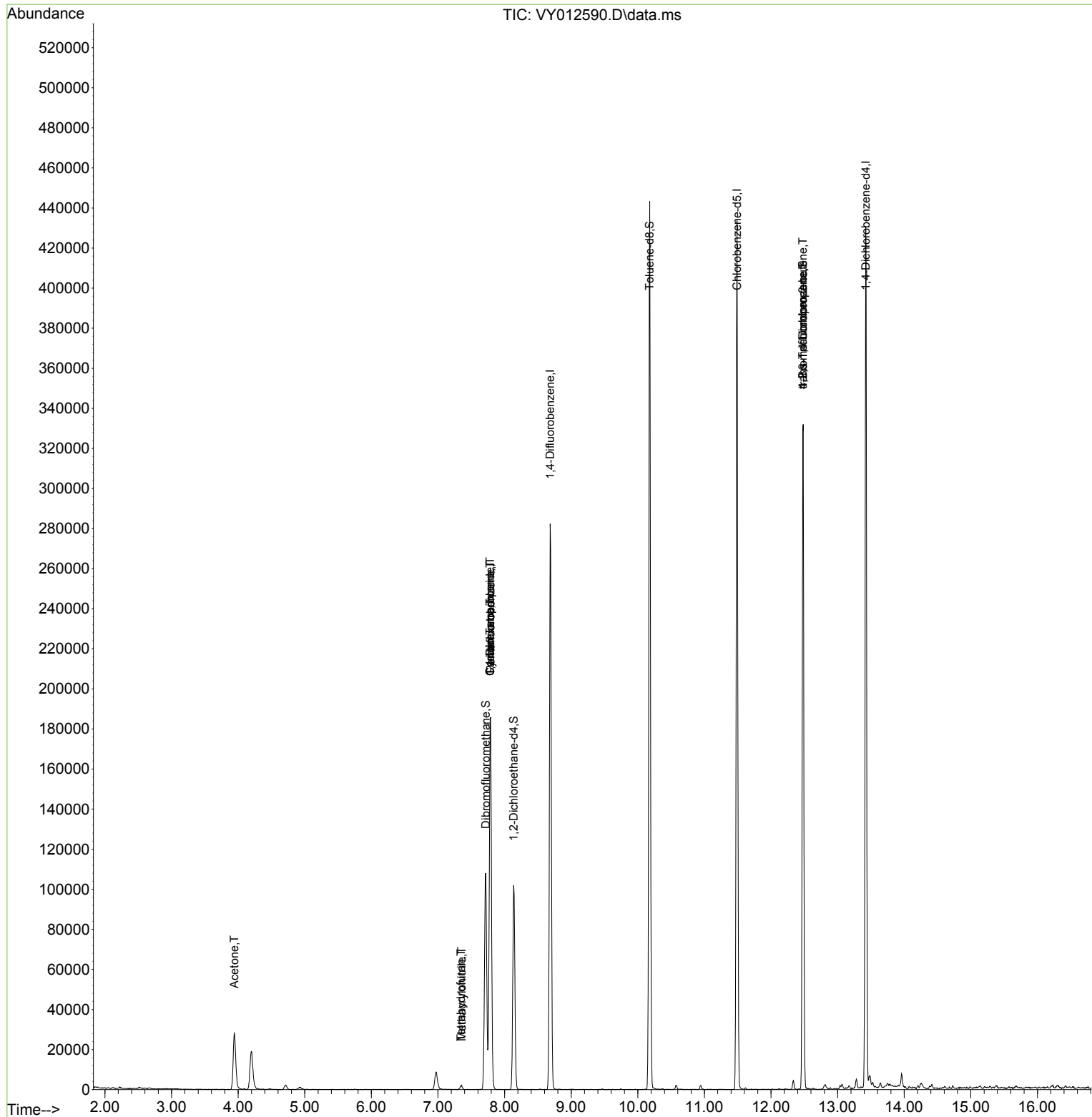
Internal Standards						
1) Pentafluorobenzene	7.789	168	152700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	249341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	117142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86385	44.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.980%		
35) Dibromofluoromethane	7.716	113	72681	40.026	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.060%		
50) Toluene-d8	10.179	98	295023	39.034	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.060%		
62) 4-Bromofluorobenzene	12.477	95	98828	37.488	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	74.980%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	135	Below Cal		86
11) Tert butyl alcohol	4.936	59	1413	Below Cal	#	75
16) Acetone	3.942	43	48409	103.581	ug/l	94
20) Methylene Chloride	4.716	84	1895	Below Cal	#	83
29) Tetrahydrofuran	7.344	42	708	2.526	ug/l	# 17
31) Cyclohexane	7.783	56	2599	1.158	ug/l	# 19
36) 1,1-Dichloropropene	7.783	75	9878	4.019	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	14862	4.505	ug/l	# 17
41) Methacrylonitrile	7.356	41	755	1.243	ug/l	# 100
76) 1,2,3-Trichloropropane	12.477	75	53178	40.633	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	53178	91.629	ug/l	# 12

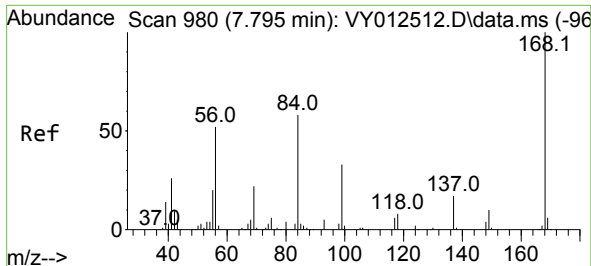
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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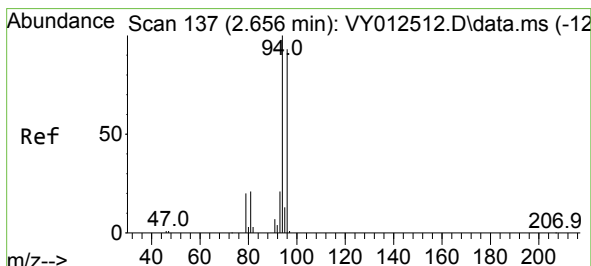
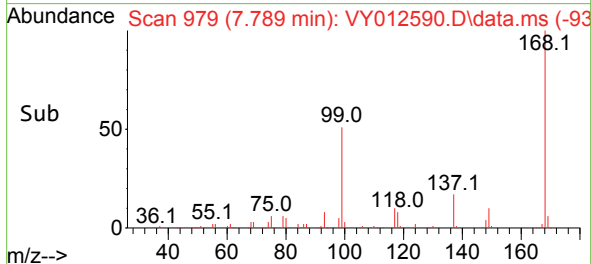
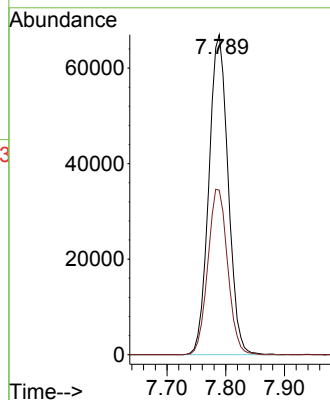
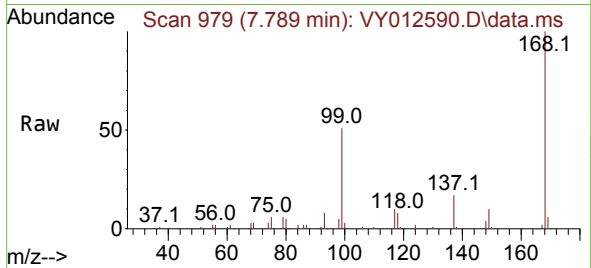




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

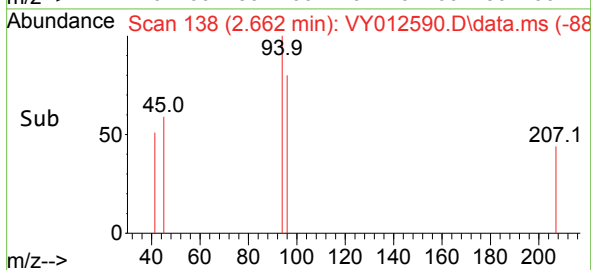
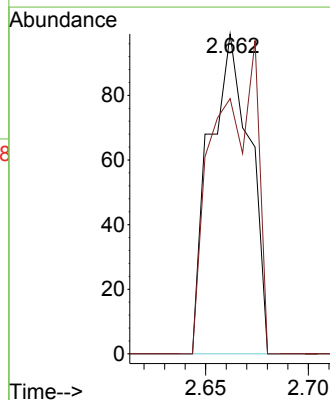
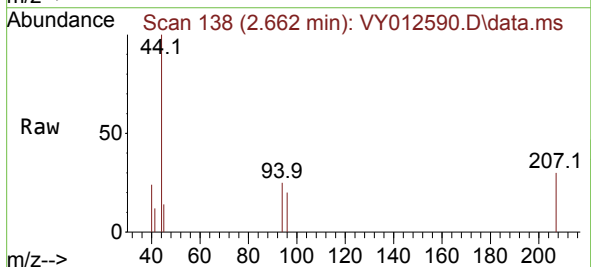
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-44

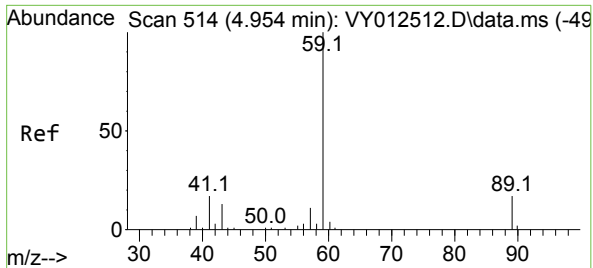
Tgt Ion:168 Resp: 152700
Ion Ratio Lower Upper
168 100
99 51.4 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 79.8 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: VY012590.D

Acq: 14 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

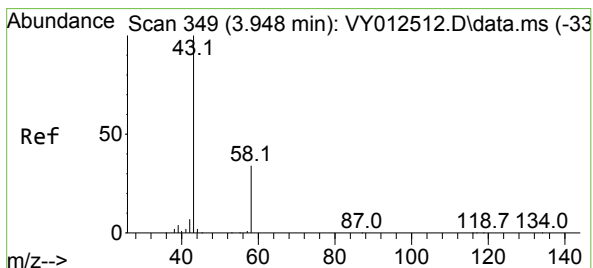
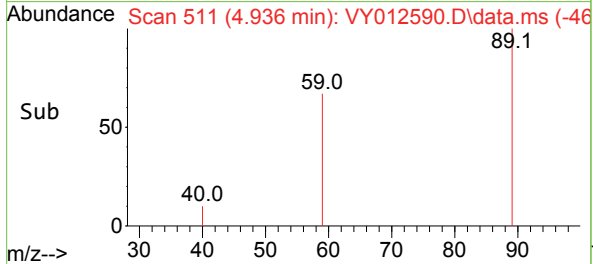
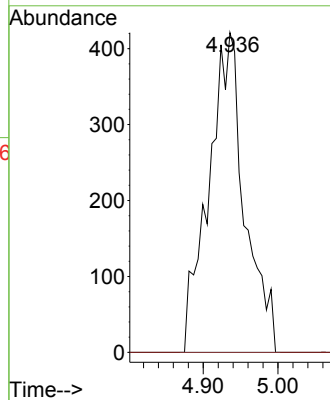
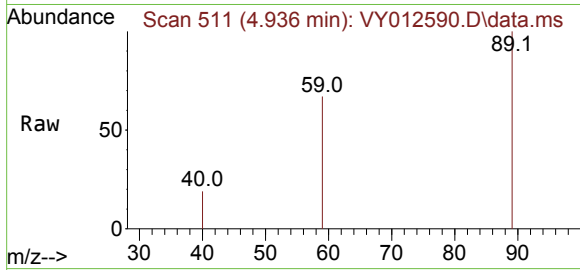
TOT-VOC-GRAB-44

Tgt Ion: 59 Resp: 1413

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 103.581 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY012590.D

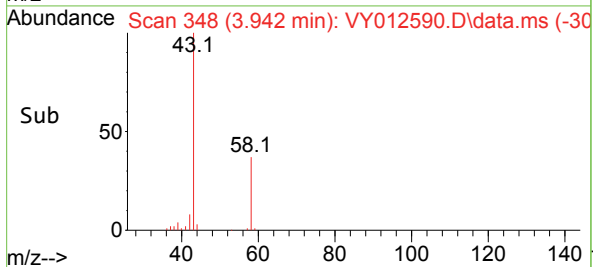
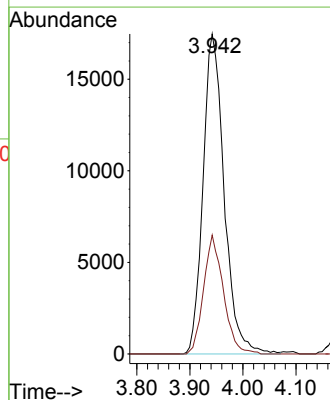
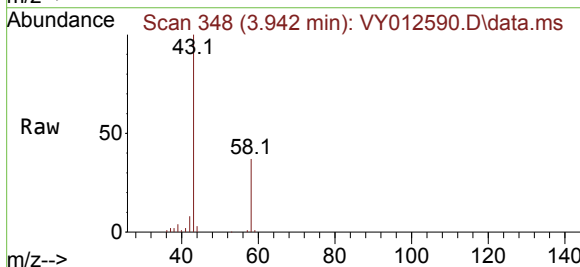
Acq: 14 Feb 2023 15:44

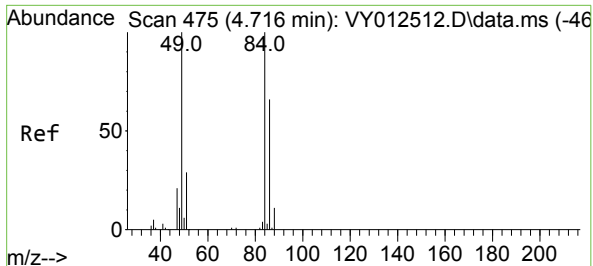
Tgt Ion: 43 Resp: 48409

Ion Ratio Lower Upper

43 100

58 37.2 27.1 40.7

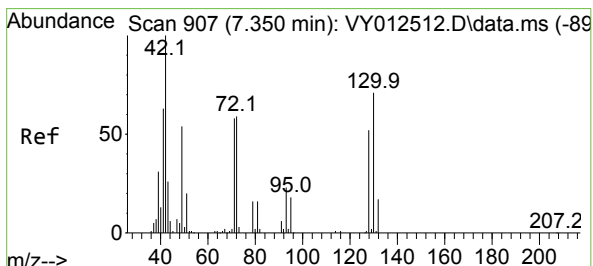
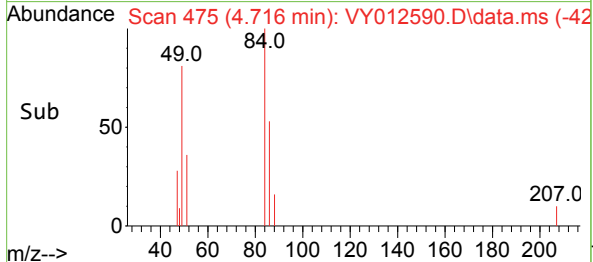
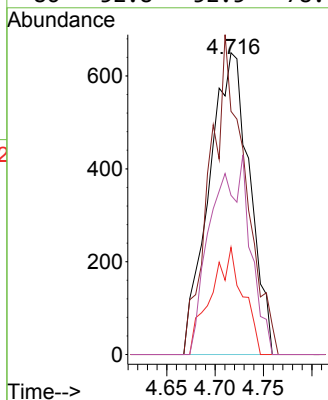
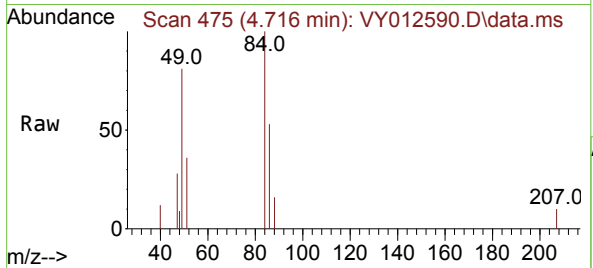




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

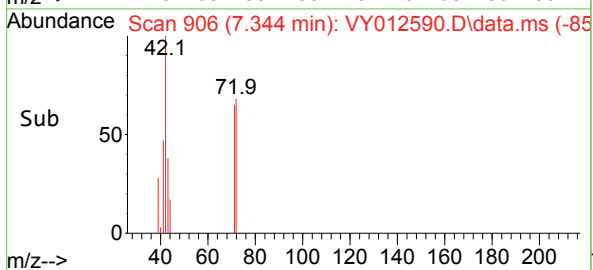
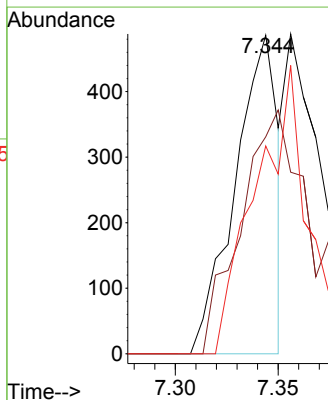
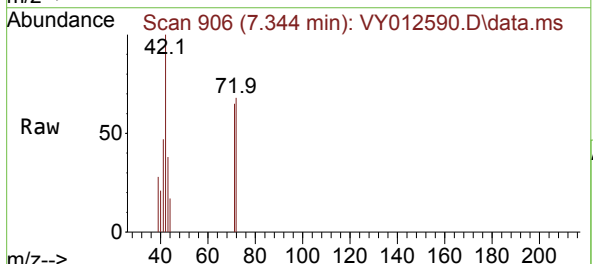
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-44

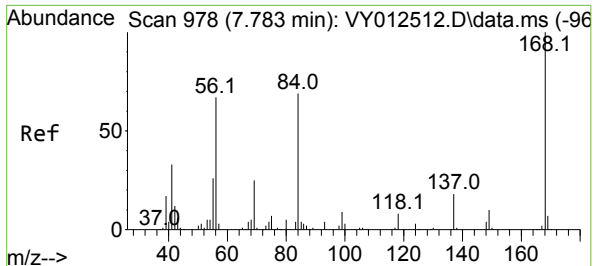
Tgt Ion:	84	Resp:	1895
Ion	Ratio	Lower	Upper
84	100		
49	80.6	79.8	119.6
51	35.5	23.4	35.2#
86	52.8	52.5	78.7



#29
Tetrahydrofuran
Concen: 2.526 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

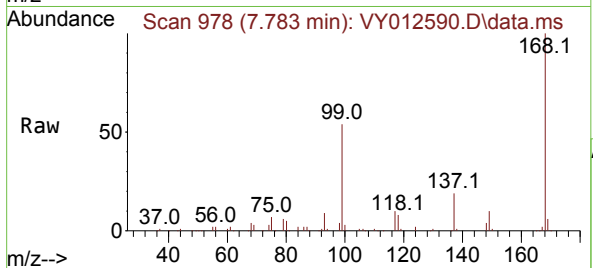
Tgt Ion:	42	Resp:	708
Ion	Ratio	Lower	Upper
42	100		
72	126.3	47.0	70.6#
71	111.0	44.6	66.8#



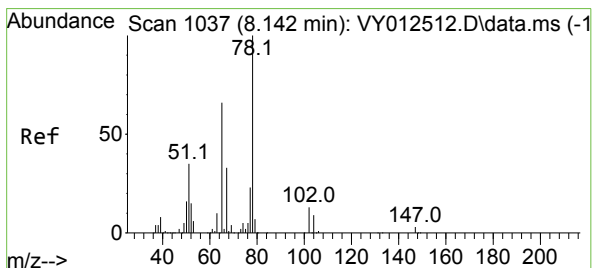
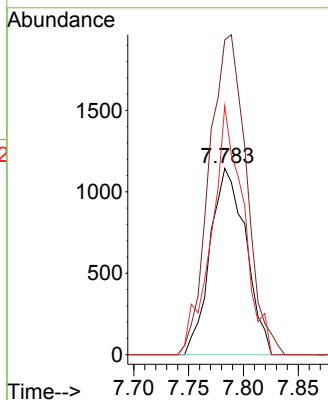
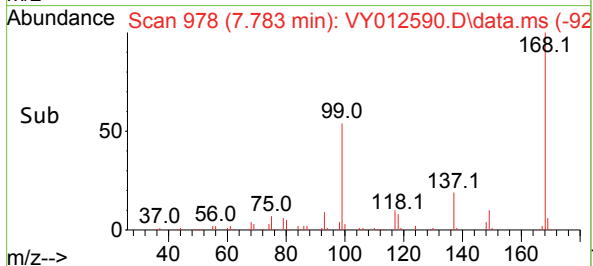


#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-44

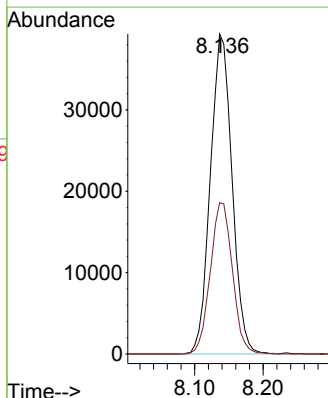
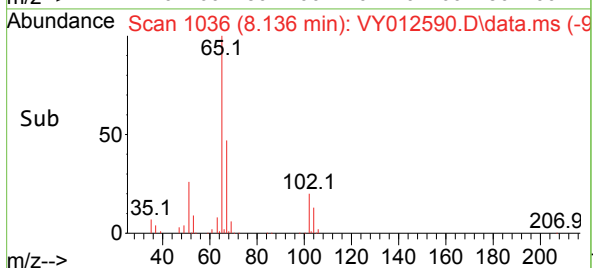
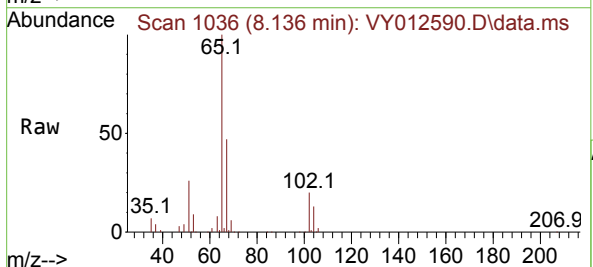


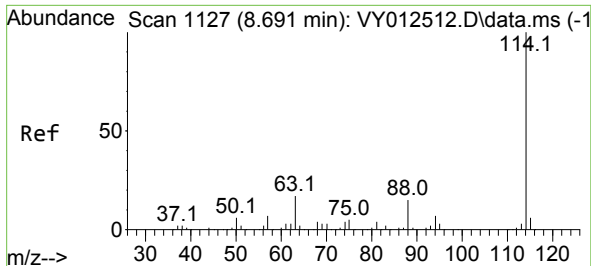
Tgt Ion: 56 Resp: 2599
Ion Ratio Lower Upper
56 100
69 169.0 29.5 44.3#
84 133.5 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 44.488 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

Tgt Ion: 65 Resp: 86385
Ion Ratio Lower Upper
65 100
67 48.2 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012590.D

Acq: 14 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-44

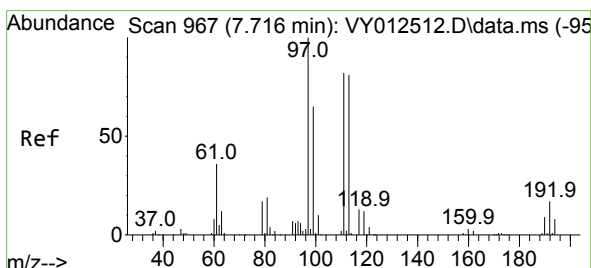
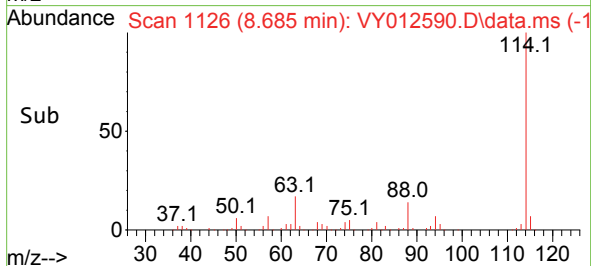
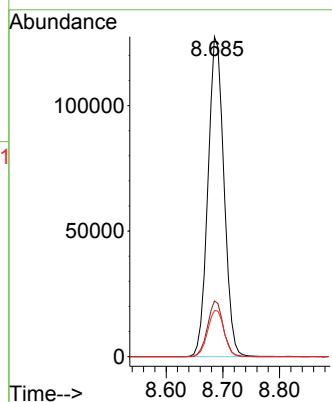
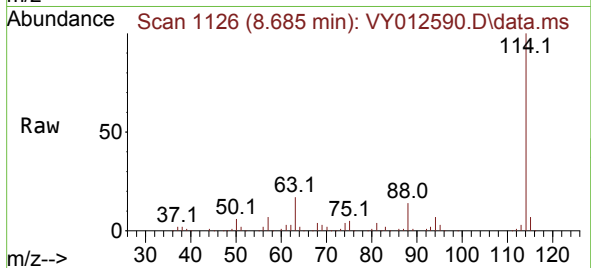
Tgt Ion:114 Resp: 249341

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.6

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.026 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012590.D

Acq: 14 Feb 2023 15:44

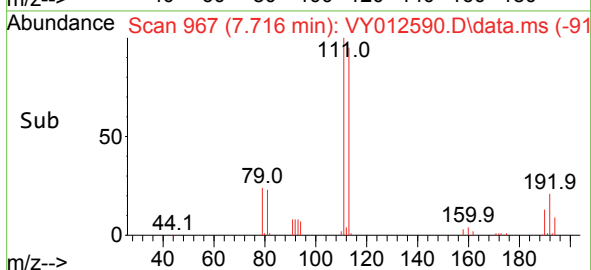
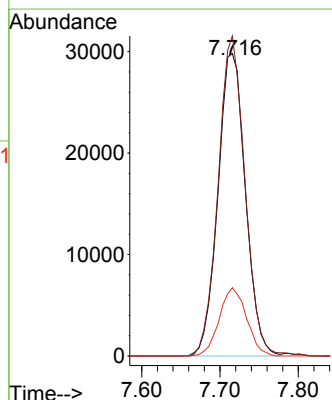
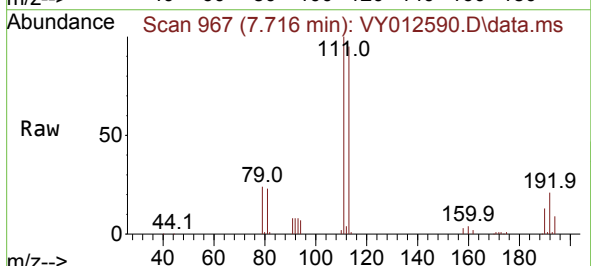
Tgt Ion:113 Resp: 72681

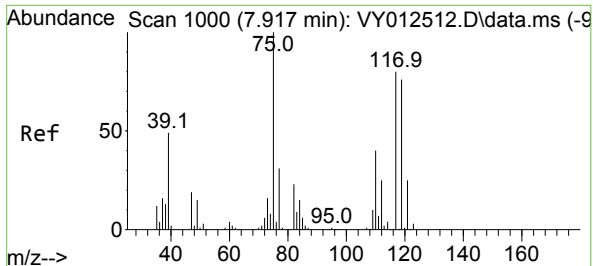
Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 22.4 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.019 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012590.D

Acq: 14 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-44

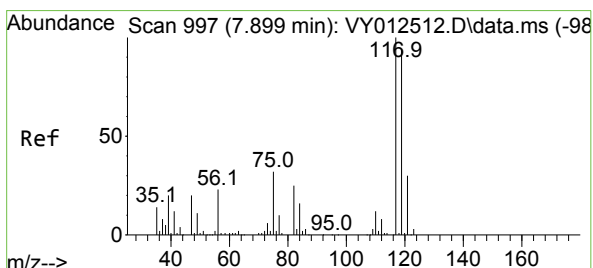
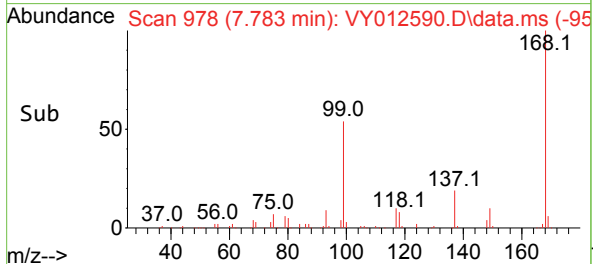
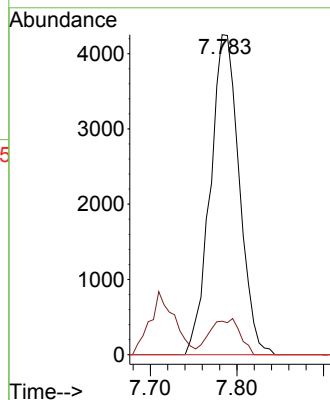
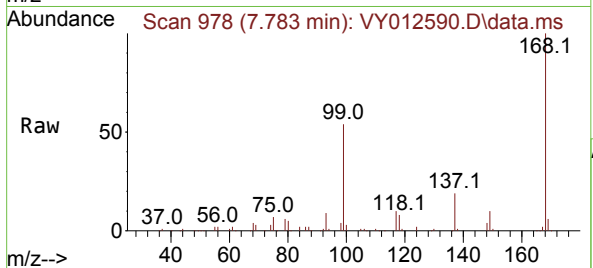
Tgt Ion: 75 Resp: 9878

Ion Ratio Lower Upper

75 100

110 11.6 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.505 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012590.D

Acq: 14 Feb 2023 15:44

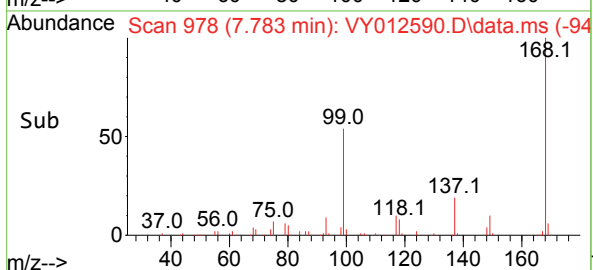
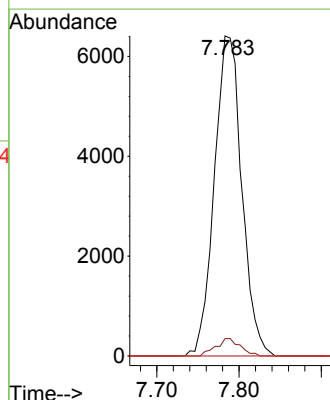
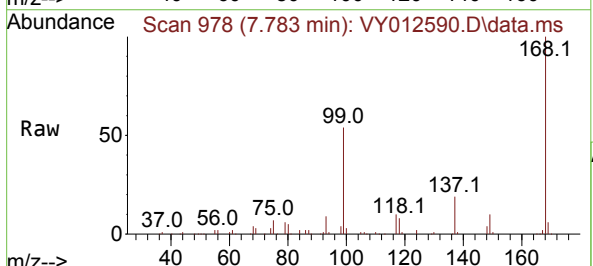
Tgt Ion: 117 Resp: 14862

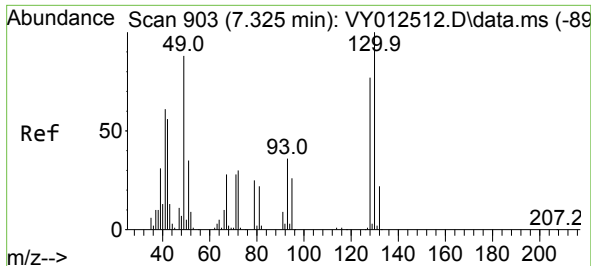
Ion Ratio Lower Upper

117 100

119 5.4 75.1 112.7#

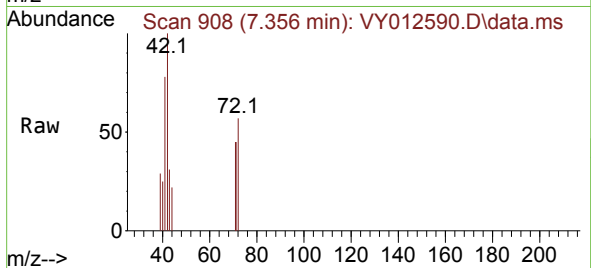
121 0.0 24.3 36.5#



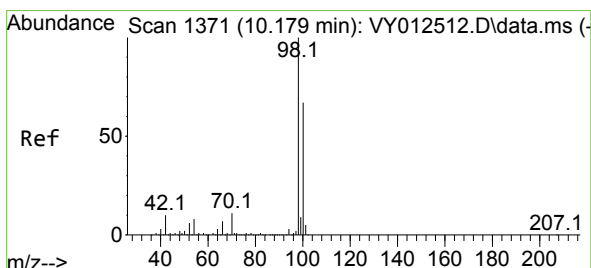
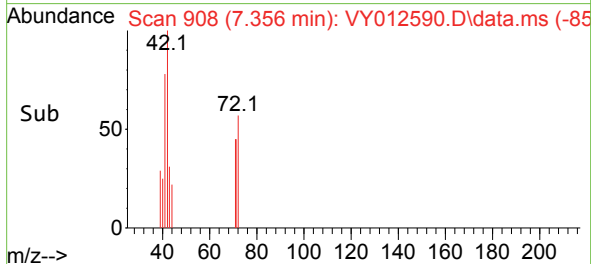
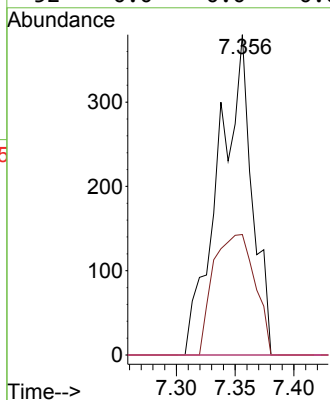


#41
Methacrylonitrile
Concen: 1.243 ug/l
RT: 7.356 min Scan# 903
Delta R.T. 0.031 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-44

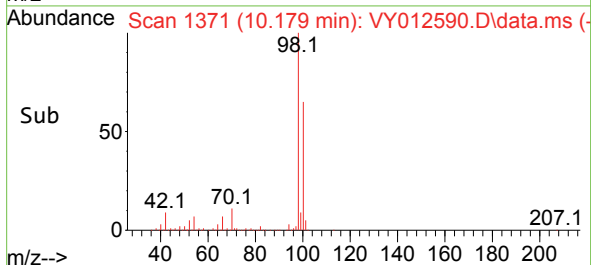
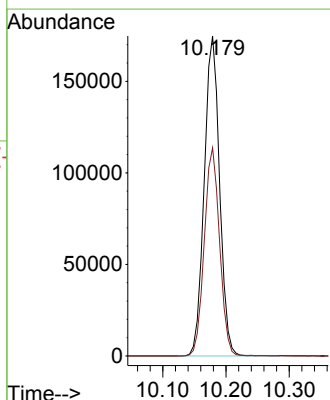
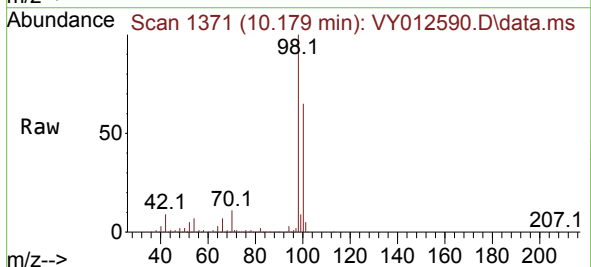


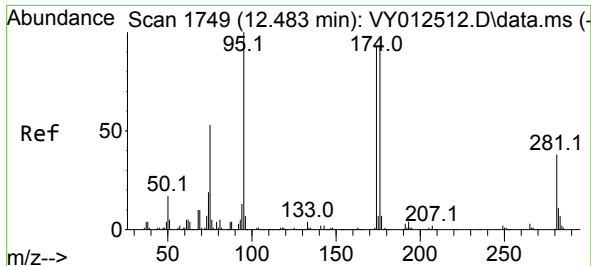
Tgt Ion: 41 Resp: 755
Ion Ratio Lower Upper
41 100
39 46.6 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 39.034 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

Tgt Ion: 98 Resp: 295023
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2

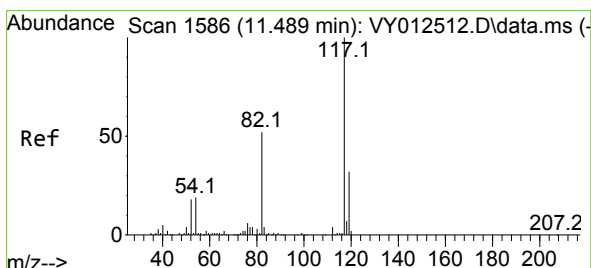
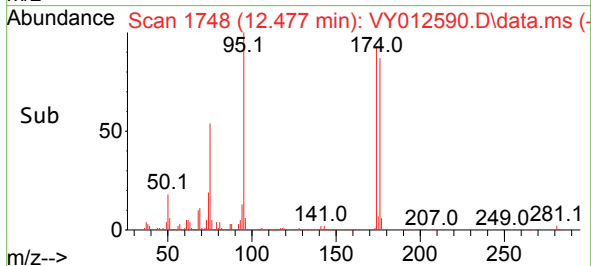
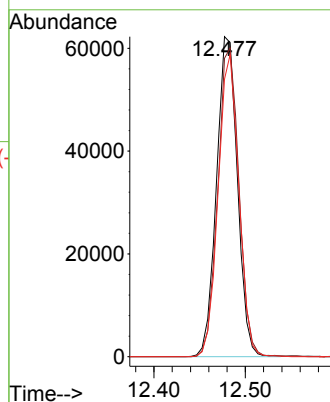
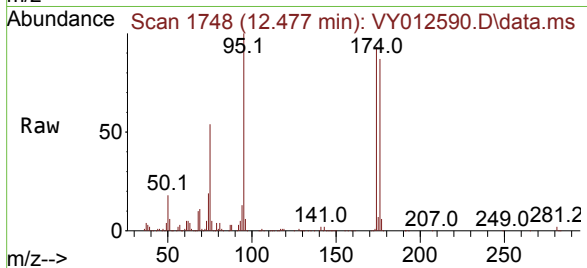




#62
4-Bromofluorobenzene
Concen: 37.488 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

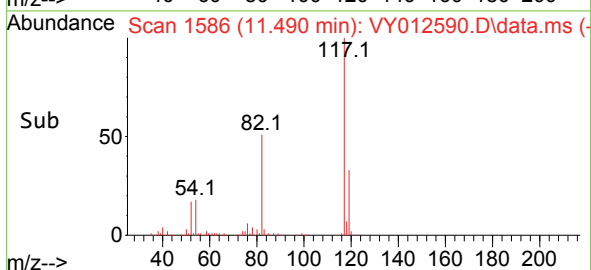
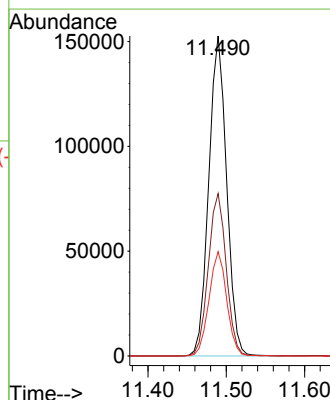
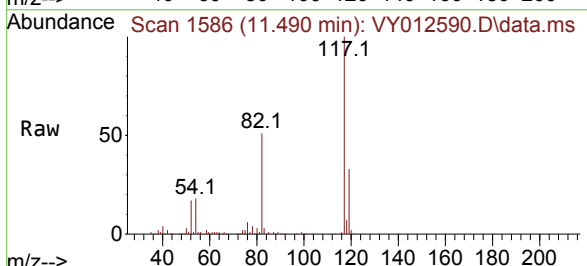
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-44

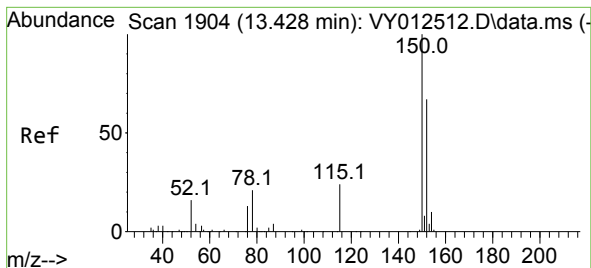
Tgt Ion:	95	Resp:	98828
Ion	Ratio	Lower	Upper
95	100		
174	97.9	0.0	188.0
176	93.2	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012590.D
Acq: 14 Feb 2023 15:44

Tgt Ion:	117	Resp:	241300
Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.7	62.5
119	32.6	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: VY012590.D

Acq: 14 Feb 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-44

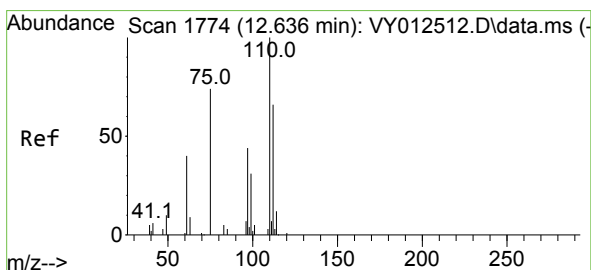
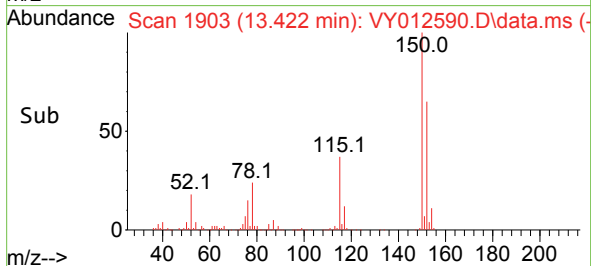
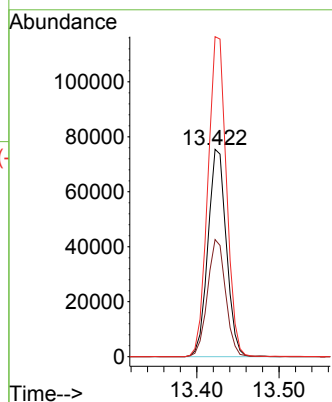
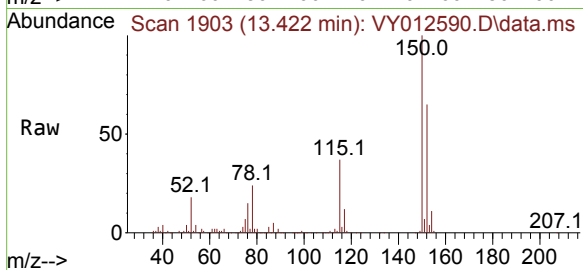
Tgt Ion:152 Resp: 117142

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.3

150 155.6 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 40.633 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012590.D

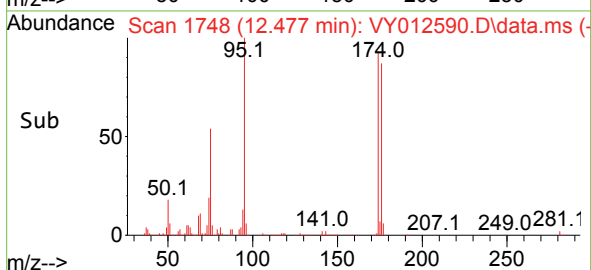
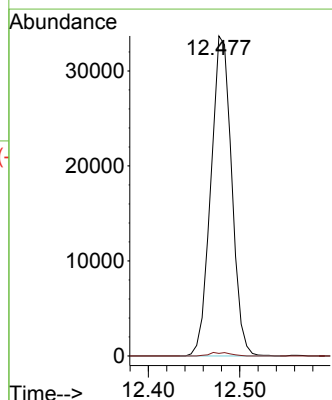
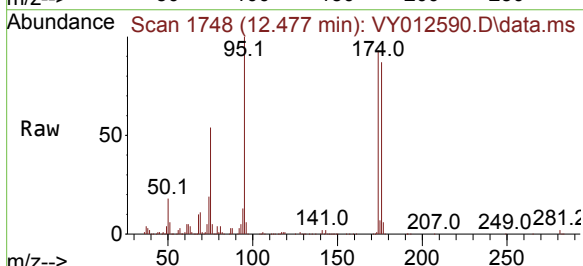
Acq: 14 Feb 2023 15:44

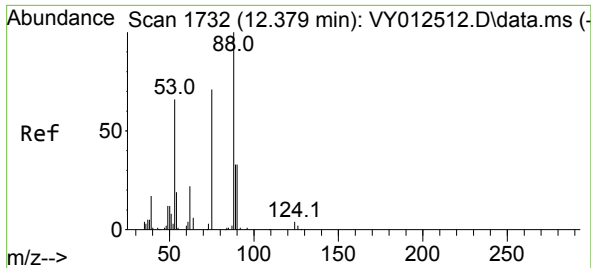
Tgt Ion: 75 Resp: 53178

Ion Ratio Lower Upper

75 100

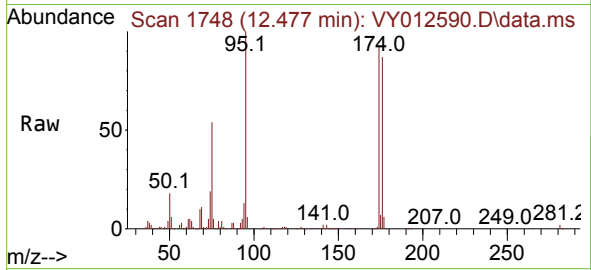
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.629 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012590.D
 Acq: 14 Feb 2023 15:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-44



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

