

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012584.D
 Acq On : 14 Feb 2023 13:24
 Operator : KP/MD
 Sample : 01539-15
 Misc : 3.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-60

Quant Time: Feb 15 01:26:46 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)

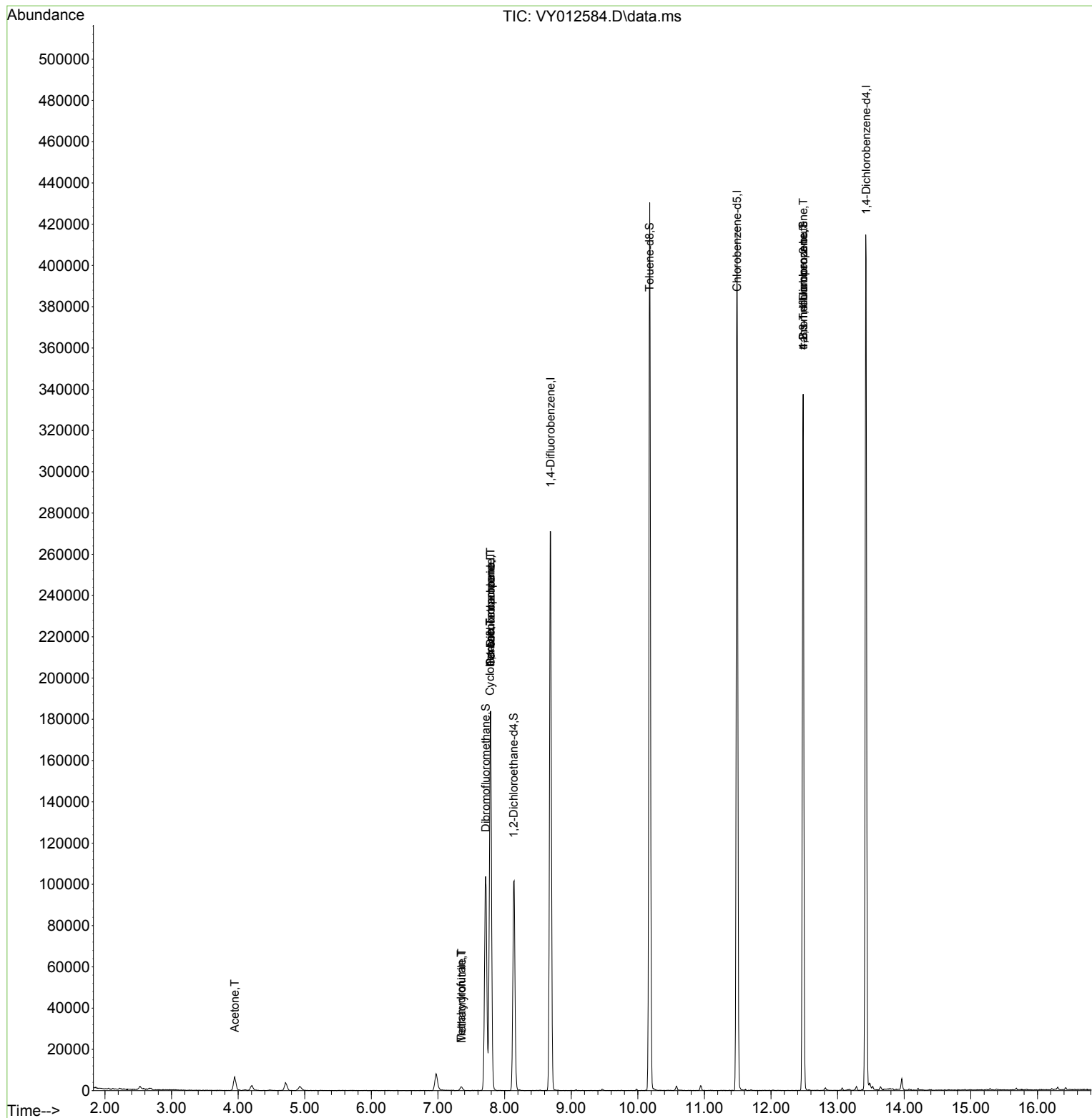
Internal Standards						
1) Pentafluorobenzene	7.789	168	146766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88204	47.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.520%
35) Dibromofluoromethane	7.716	113	71804	40.749	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.500%
50) Toluene-d8	10.179	98	287577	39.209	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.420%
62) 4-Bromofluorobenzene	12.483	95	96925	37.887	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.780%
Target Compounds						
5) Bromomethane	2.662	94	240	Below Cal	#	71
11) Tert butyl alcohol	4.924	59	1059	Below Cal	#	75
16) Acetone	3.948	43	10935	24.344	ug/l	99
20) Methylene Chloride	4.716	84	3099	Below Cal		89
29) Tetrahydrofuran	7.350	42	1242	4.610	ug/l	# 83
31) Cyclohexane	7.783	56	2577	1.194	ug/l	# 26
36) 1,1-Dichloropropene	7.789	75	9369	3.929	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	14108	4.407	ug/l	# 15
41) Methacrylonitrile	7.356	41	735	1.247	ug/l	# 100
76) 1,2,3-Trichloropropane	12.483	75	52152	40.823	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	52152	92.057	ug/l	# 12

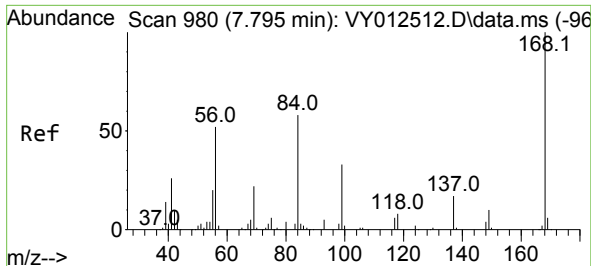
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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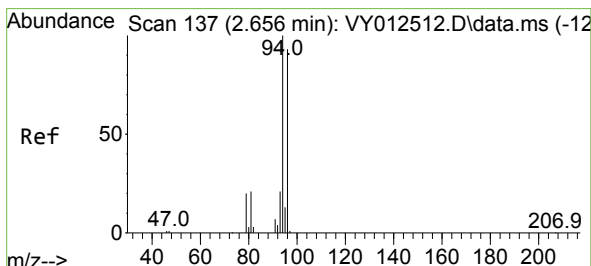
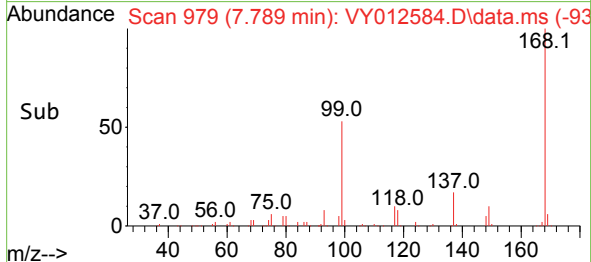
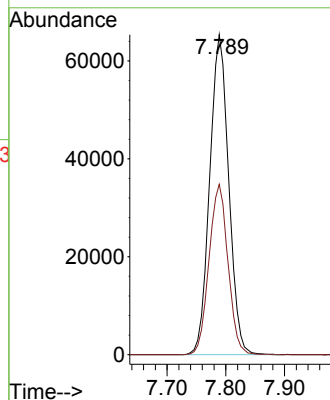
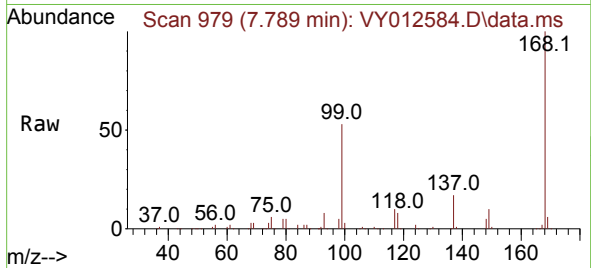




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

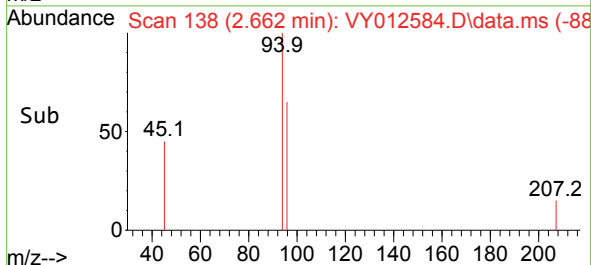
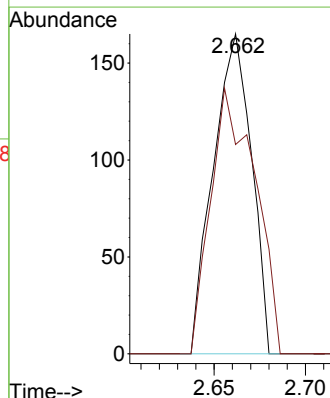
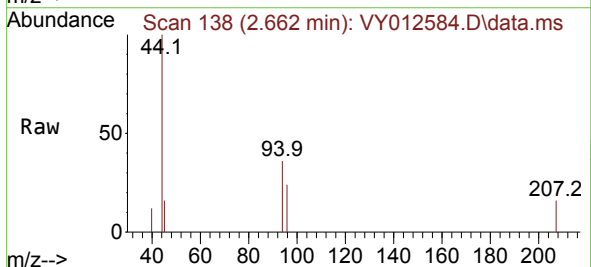
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

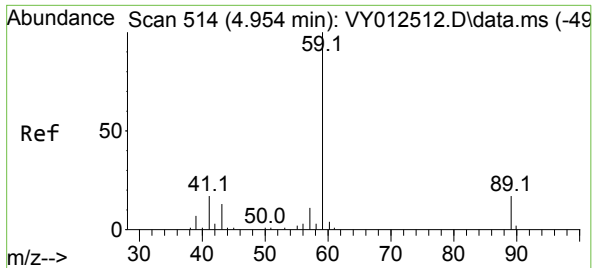
Tgt Ion:168 Resp: 146766
Ion Ratio Lower Upper
168 100
99 53.3 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 65.5 74.7 112.1#

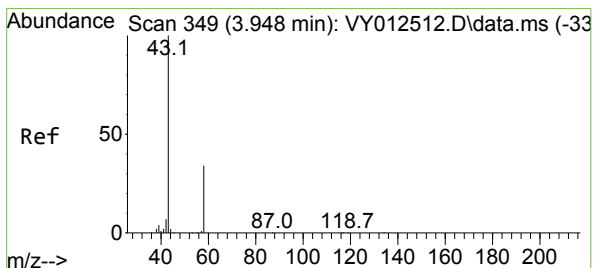
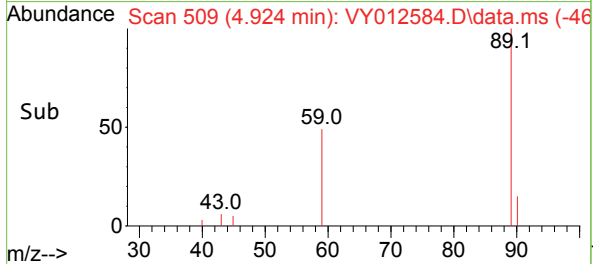
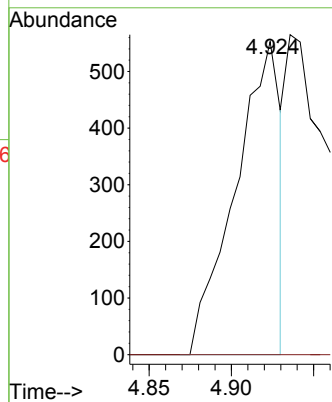
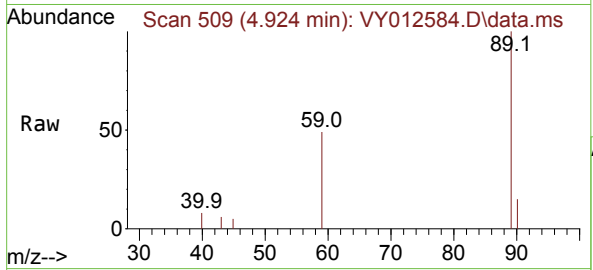




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

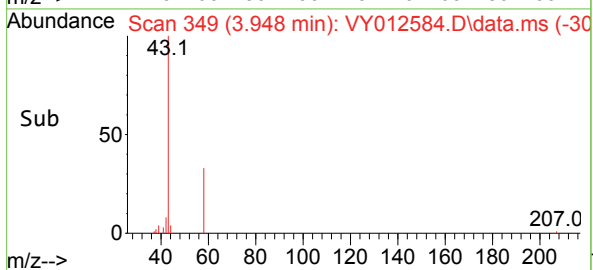
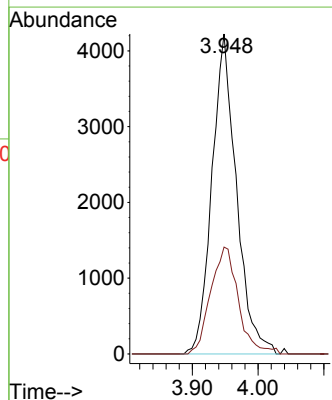
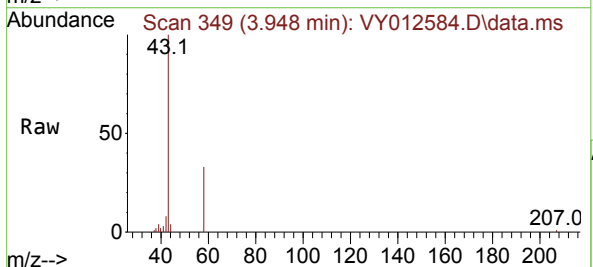
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

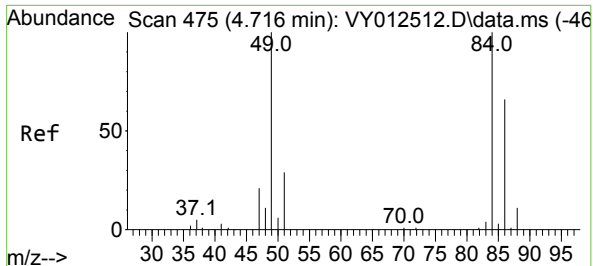
Tgt Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 24.344 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

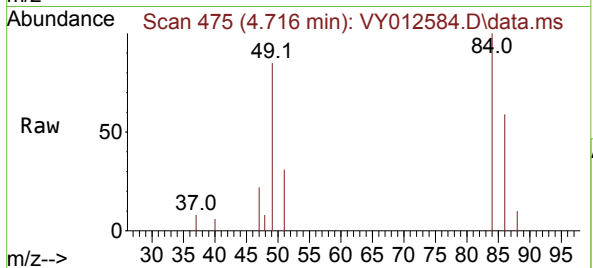
Tgt Ion: 43 Resp: 10935
Ion Ratio Lower Upper
43 100
58 33.4 27.1 40.7



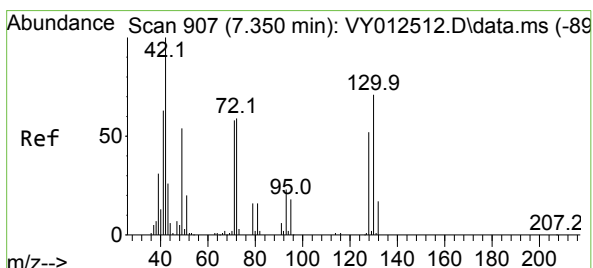
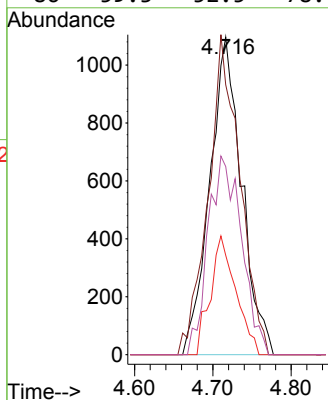
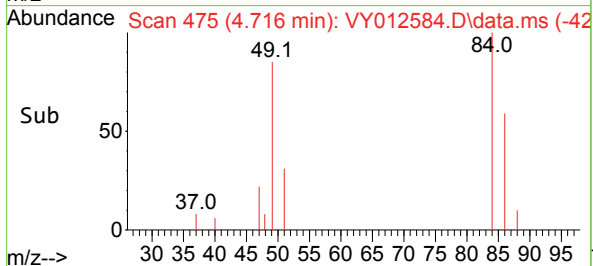


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

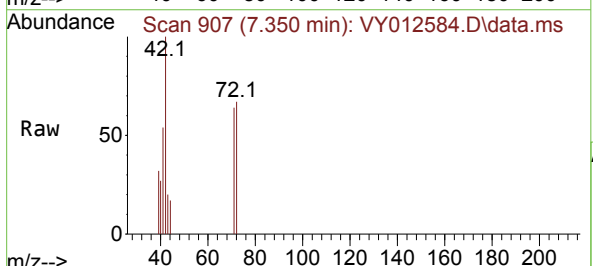
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60



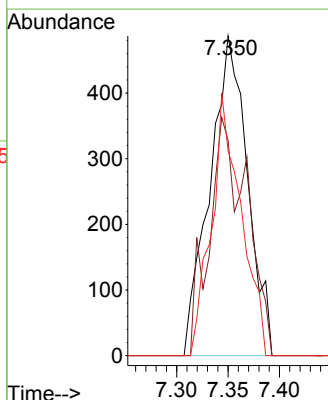
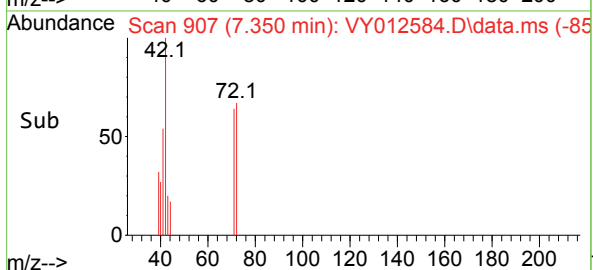
Tgt Ion:	84	Resp:	3099
Ion	Ratio	Lower	Upper
84	100		
49	85.0	79.8	119.6
51	31.3	23.4	35.2
86	59.3	52.5	78.7

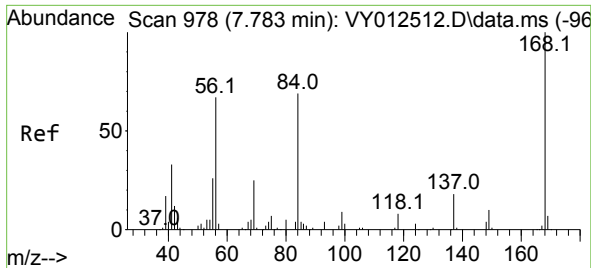


#29
Tetrahydrofuran
Concen: 4.610 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24



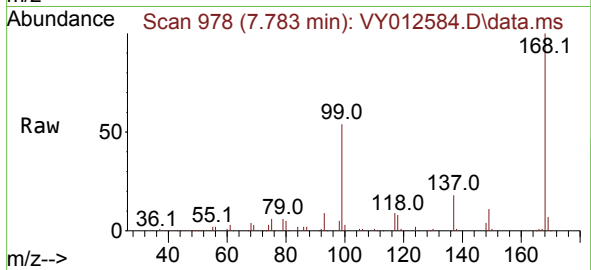
Tgt Ion:	42	Resp:	1242
Ion	Ratio	Lower	Upper
42	100		
72	74.8	47.0	70.6#
71	64.6	44.6	66.8



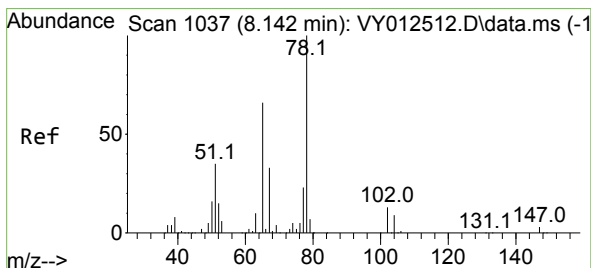
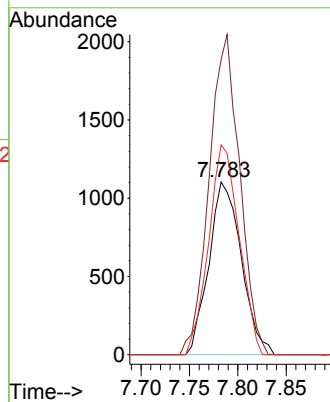
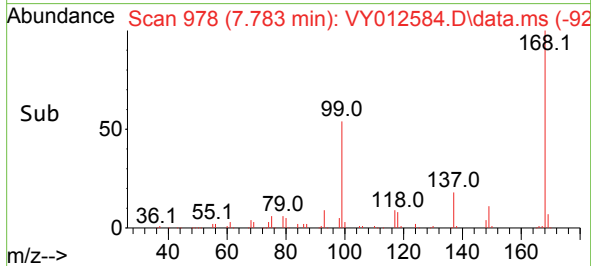


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

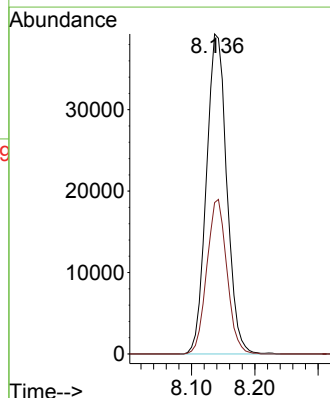
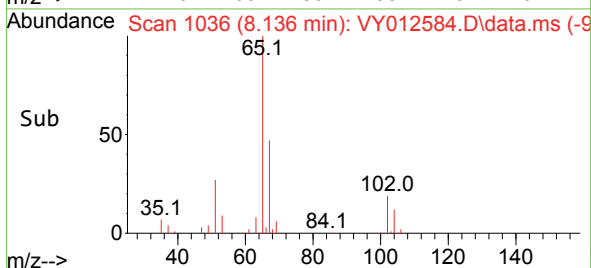
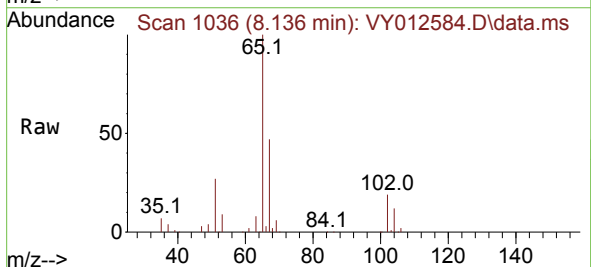


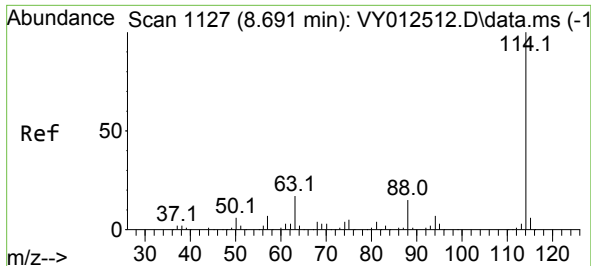
Tgt Ion: 56 Resp: 2577
Ion Ratio Lower Upper
56 100
69 171.2 29.5 44.3#
84 121.6 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 47.261 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

Tgt Ion: 65 Resp: 88204
Ion Ratio Lower Upper
65 100
67 47.5 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: VY012584.D

Acq: 14 Feb 2023 13:24

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-60

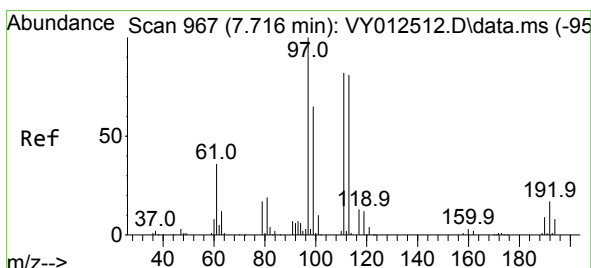
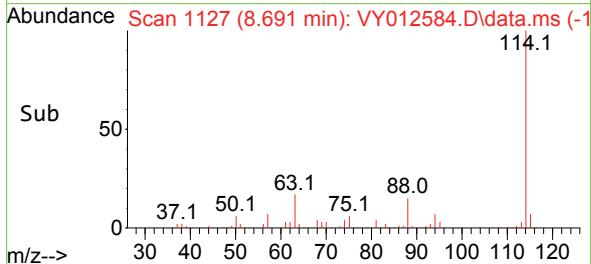
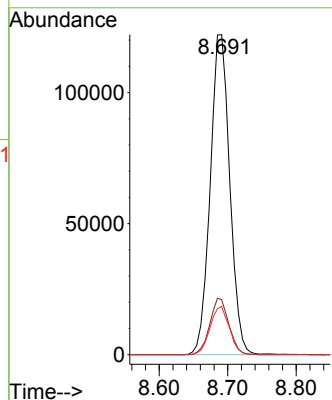
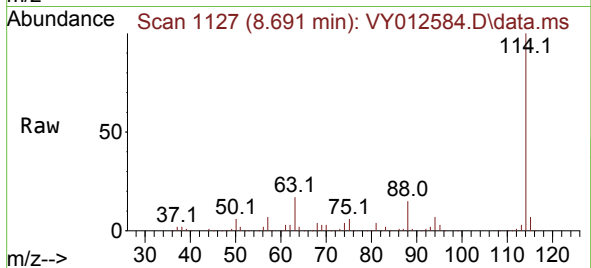
Tgt Ion:114 Resp: 241961

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.6

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.749 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012584.D

Acq: 14 Feb 2023 13:24

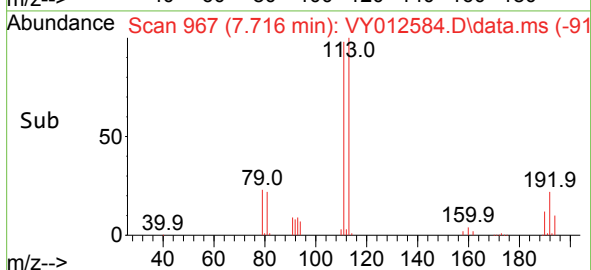
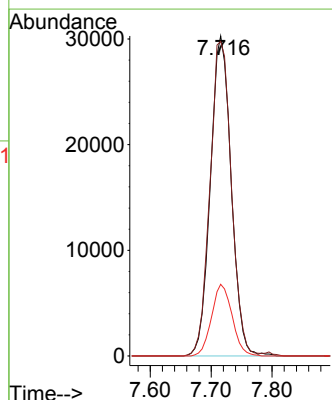
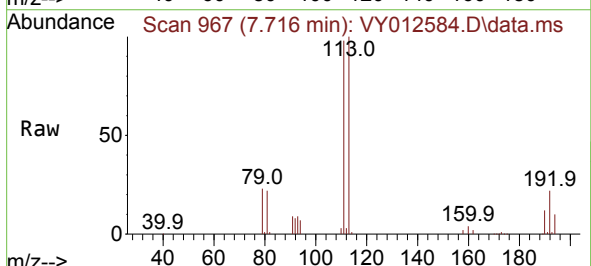
Tgt Ion:113 Resp: 71804

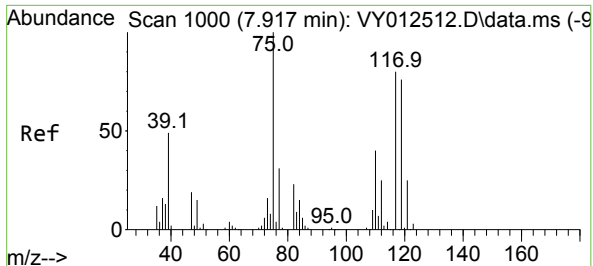
Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

192 22.1 17.5 26.3





#36

1,1-Dichloropropene

Concen: 3.929 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012584.D

Acq: 14 Feb 2023 13:24

Instrument :

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ClientSampleId :

TOT-VOC-GRAB-60

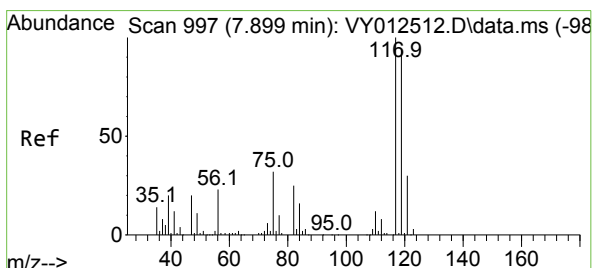
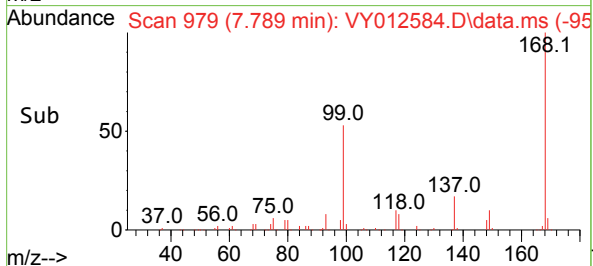
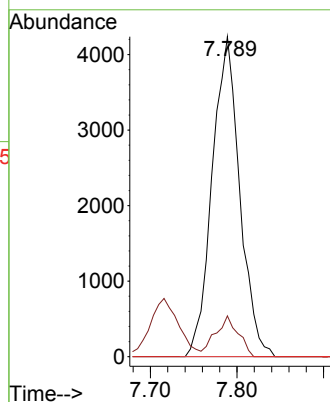
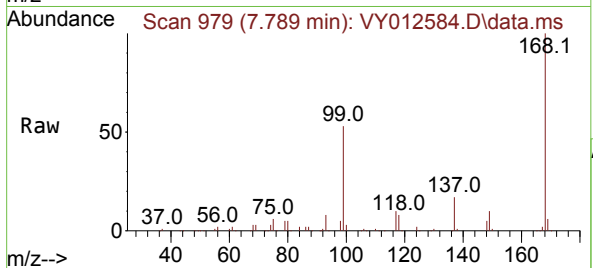
Tgt Ion: 75 Resp: 9369

Ion Ratio Lower Upper

75 100

110 10.5 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.407 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012584.D

Acq: 14 Feb 2023 13:24

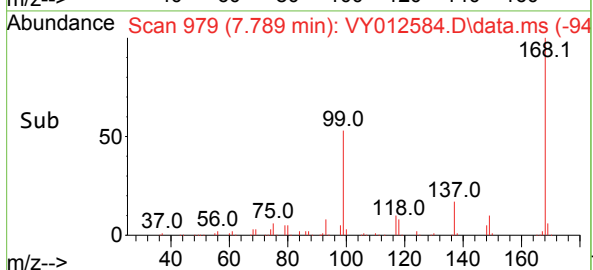
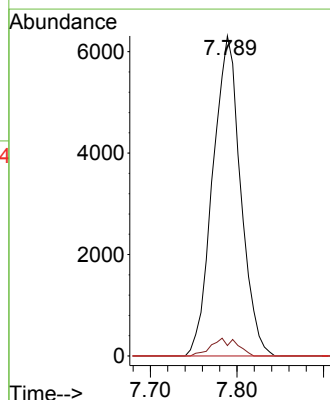
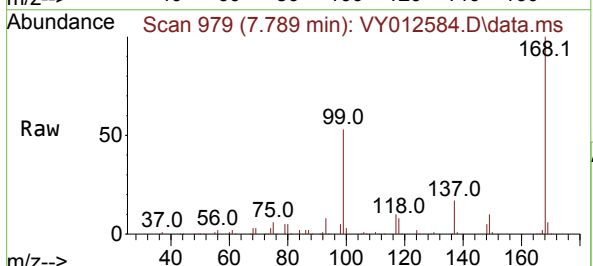
Tgt Ion: 117 Resp: 14108

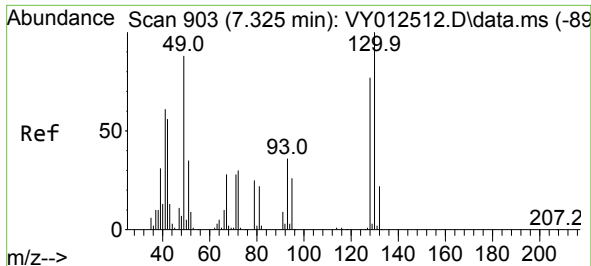
Ion Ratio Lower Upper

117 100

119 3.3 75.1 112.7#

121 0.0 24.3 36.5#

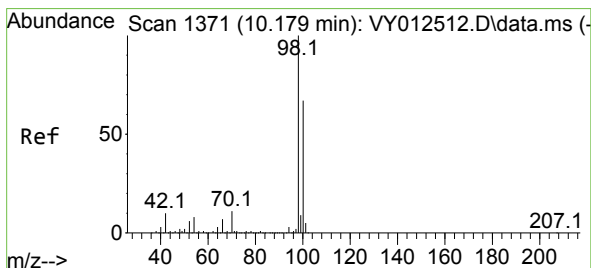
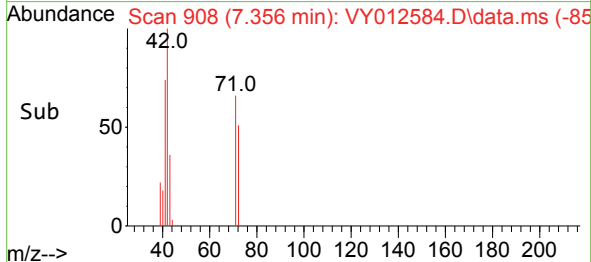
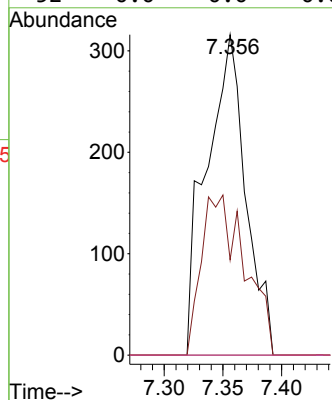
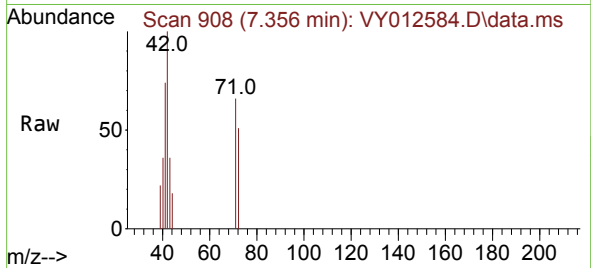




#41
Methacrylonitrile
Concen: 1.247 ug/l
RT: 7.356 min Scan# 903
Delta R.T. 0.031 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

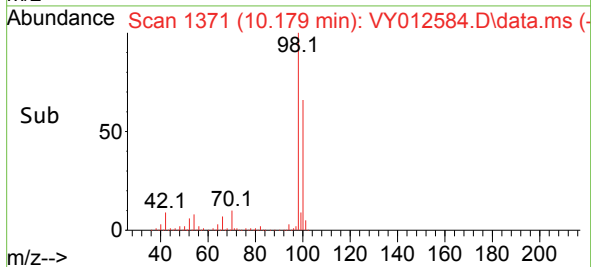
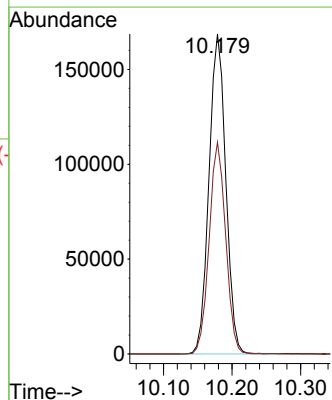
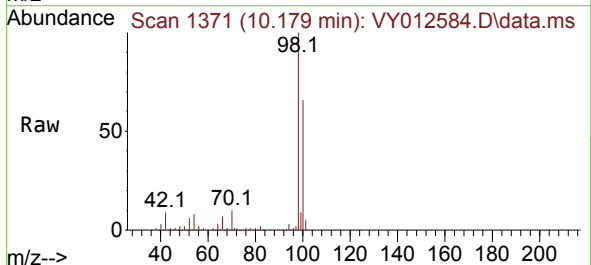
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

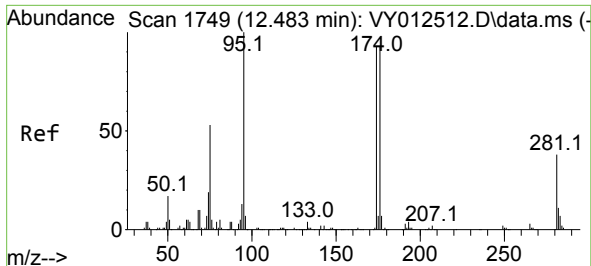
Tgt Ion: 41 Resp: 735
Ion Ratio Lower Upper
41 100
39 55.5 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 39.209 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

Tgt Ion: 98 Resp: 287577
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2

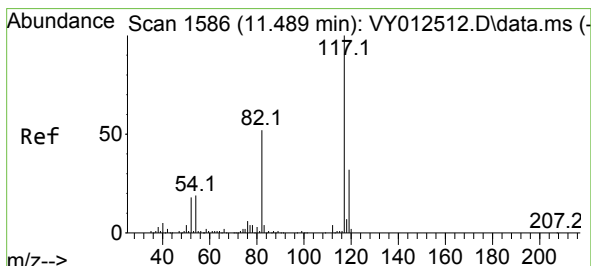
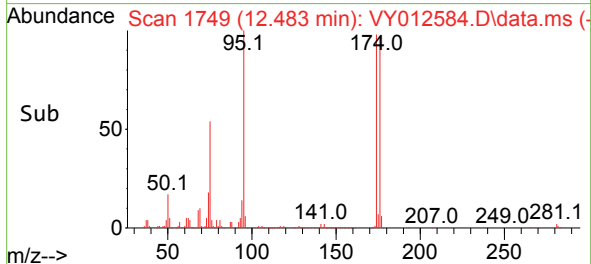
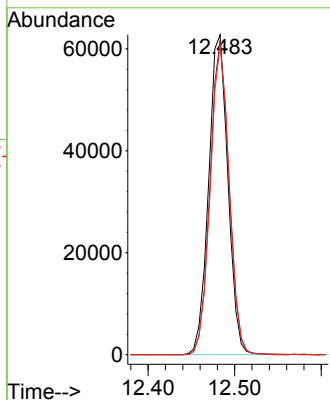
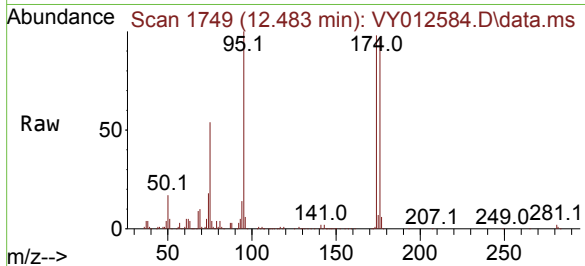




#62
4-Bromofluorobenzene
Concen: 37.887 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

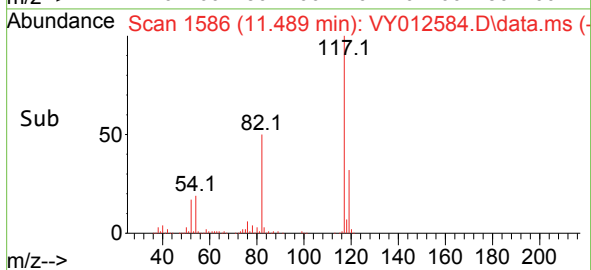
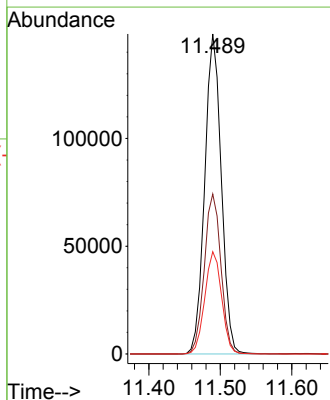
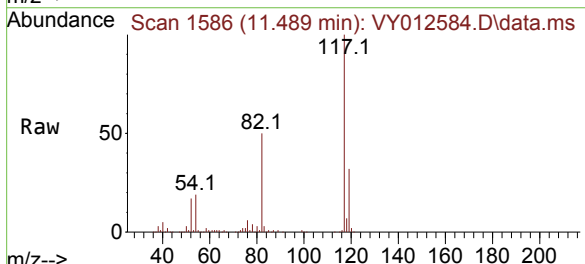
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

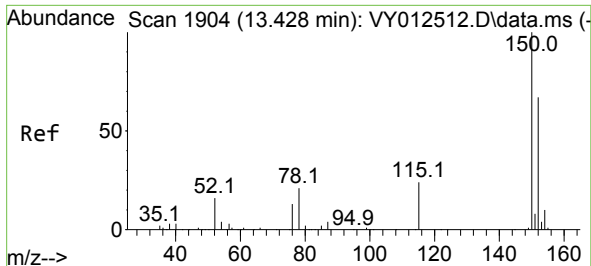
Tgt Ion:	95	Resp:	96925
Ion Ratio	Lower	Upper	
95	100		
174	97.1	0.0	188.0
176	94.7	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012584.D
Acq: 14 Feb 2023 13:24

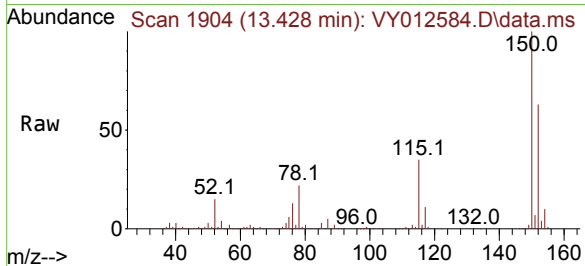
Tgt Ion:	117	Resp:	238941
Ion Ratio	Lower	Upper	
117	100		
82	50.0	41.7	62.5
119	32.0	25.8	38.8



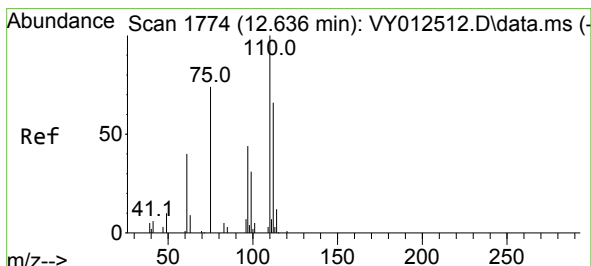
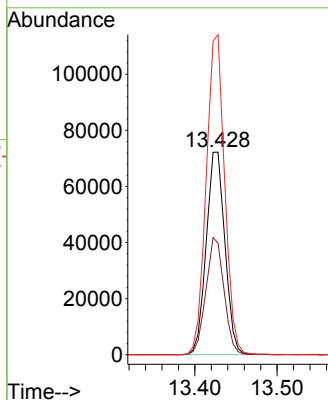
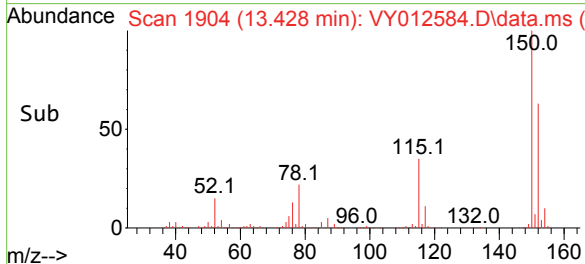


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012584.D
 Acq: 14 Feb 2023 13:24

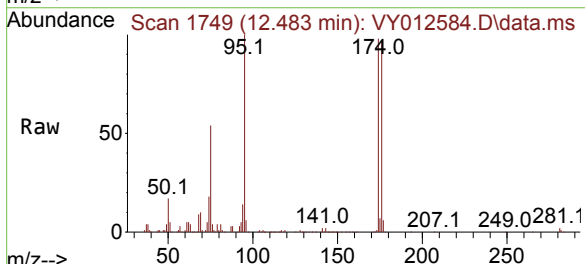
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-60



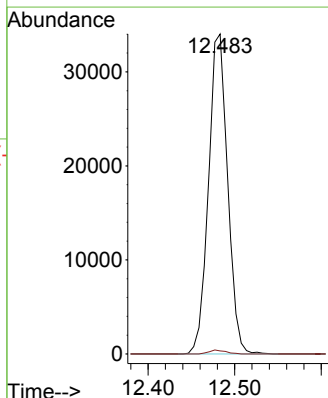
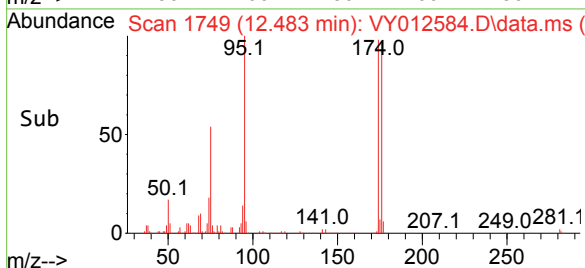
Tgt Ion:152 Resp: 114347
 Ion Ratio Lower Upper
 152 100
 115 55.9 28.1 84.3
 150 155.9 0.0 351.0

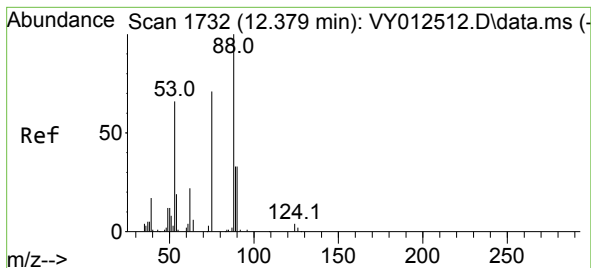


#76
 1,2,3-Trichloropropane
 Concen: 40.823 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012584.D
 Acq: 14 Feb 2023 13:24



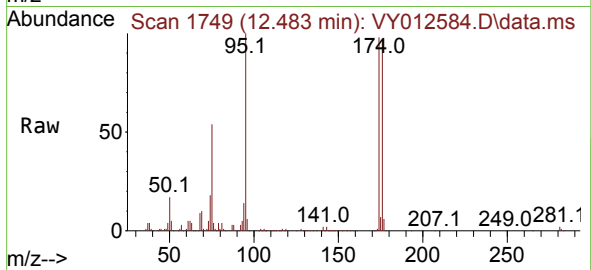
Tgt Ion: 75 Resp: 52152
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.057 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012584.D
 Acq: 14 Feb 2023 13:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-60



Tgt Ion: 75 Resp: 52152
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

