

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012586.D
 Acq On : 14 Feb 2023 14:11
 Operator : KP/MD
 Sample : 01538-06
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-28

Quant Time: Feb 15 01:27:39 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)

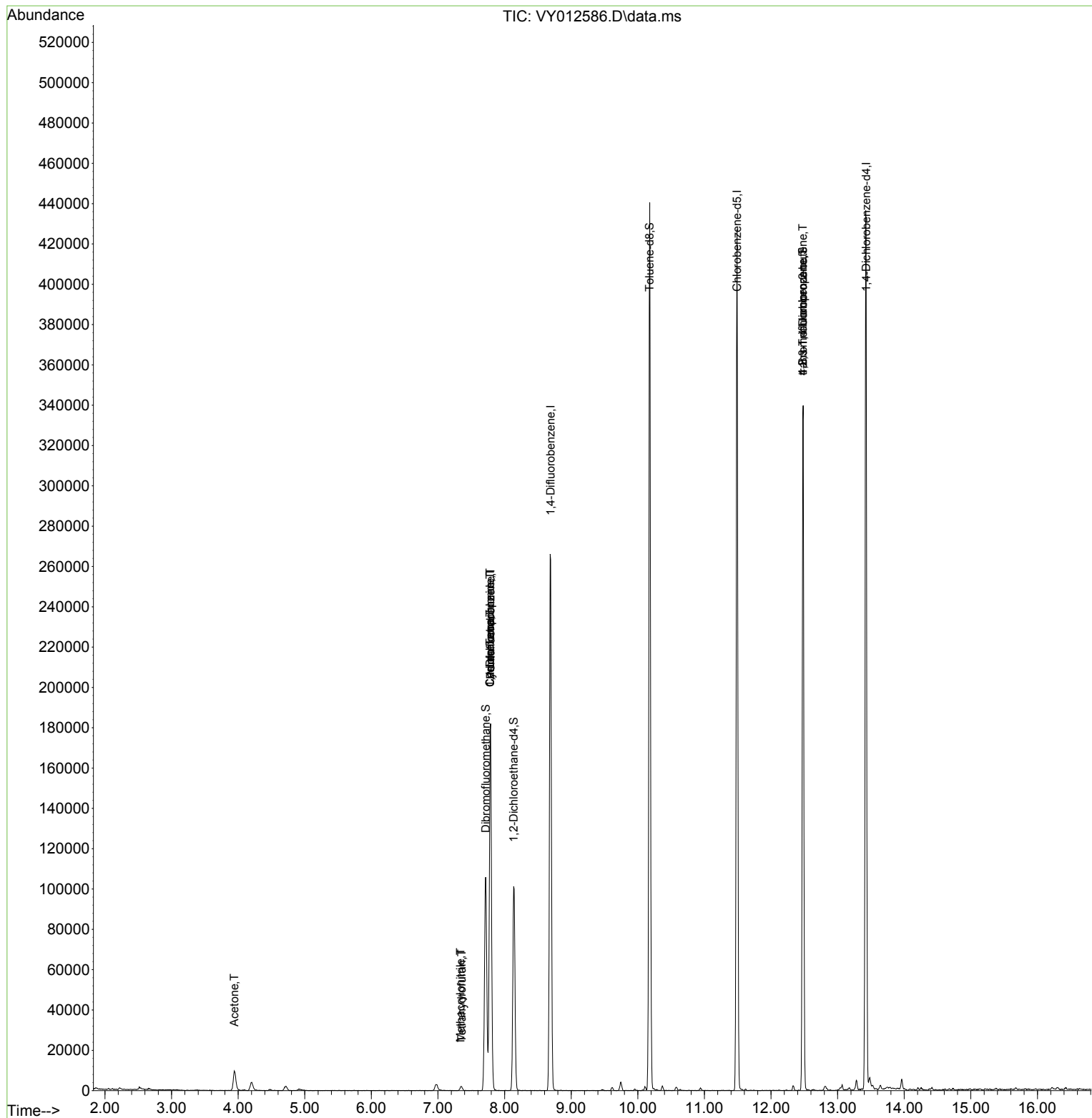
Internal Standards						
1) Pentafluorobenzene	7.789	168	144824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	242904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89890	48.810	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.620%		
35) Dibromofluoromethane	7.716	113	71615	40.484	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.960%		
50) Toluene-d8	10.179	98	289357	39.299	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.600%		
62) 4-Bromofluorobenzene	12.477	95	99740	38.836	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	77.680%		
Target Compounds						
5) Bromomethane	2.656	94	158	Below Cal		Qvalue 83
11) Tert butyl alcohol	4.936	59	908	Below Cal	#	75
16) Acetone	3.942	43	17247	38.910	ug/l	97
20) Methylene Chloride	4.716	84	1904	Below Cal		93
29) Tetrahydrofuran	7.356	42	1428	5.371	ug/l	97
31) Cyclohexane	7.783	56	2478	1.164	ug/l	# 18
36) 1,1-Dichloropropene	7.783	75	9752	4.073	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	14407	4.483	ug/l	# 17
41) Methacrylonitrile	7.338	41	955	1.614	ug/l	# 100
76) 1,2,3-Trichloropropane	12.477	75	53857	40.311	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	53857	90.904	ug/l	# 12

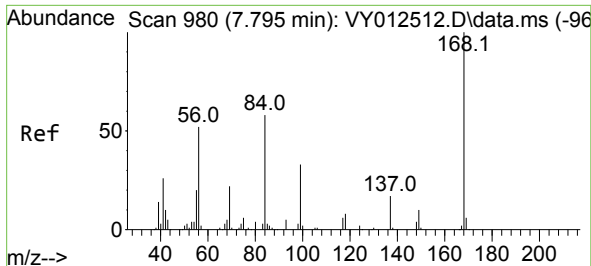
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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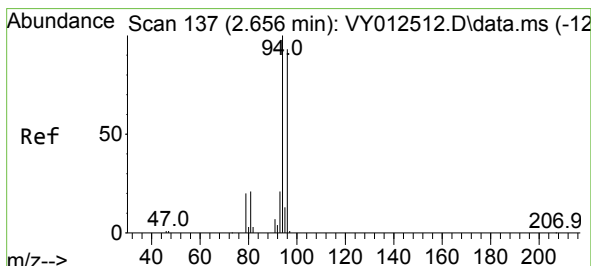
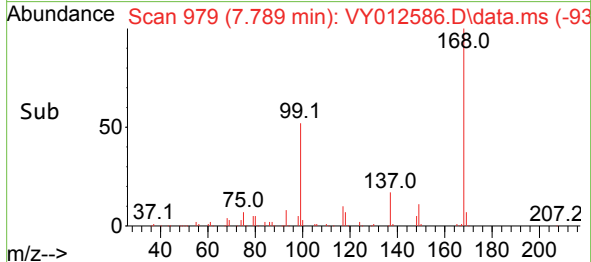
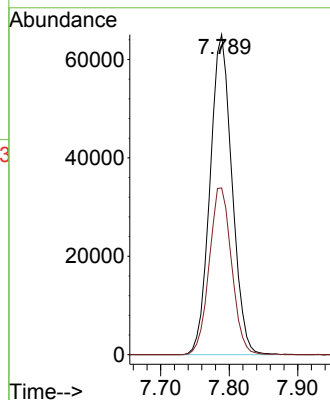
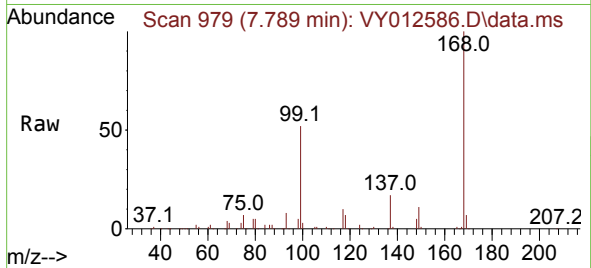




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

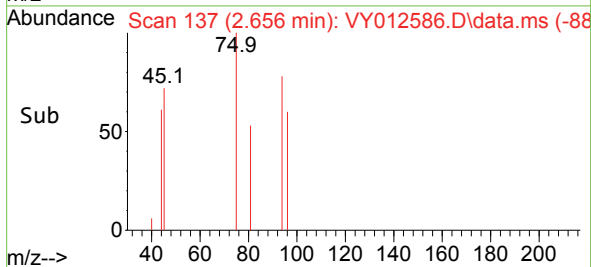
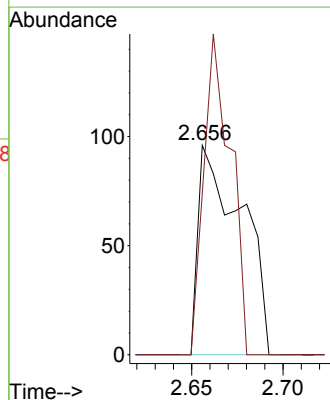
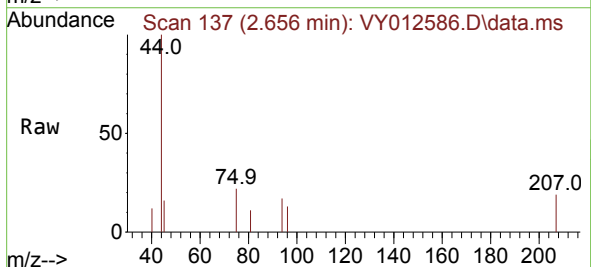
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-28

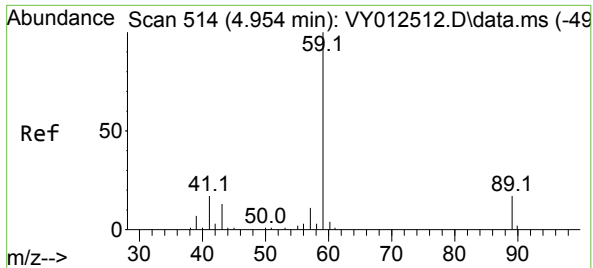
Tgt Ion:168 Resp: 144824
Ion Ratio Lower Upper
168 100
99 52.1 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Tgt Ion: 94 Resp: 158
Ion Ratio Lower Upper
94 100
96 77.1 74.7 112.1

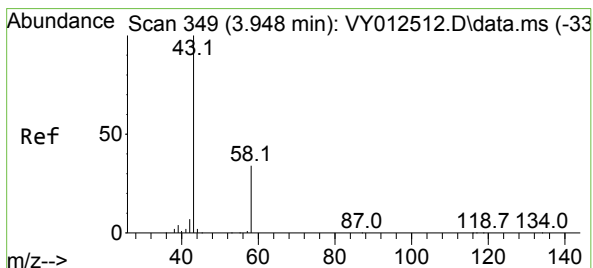
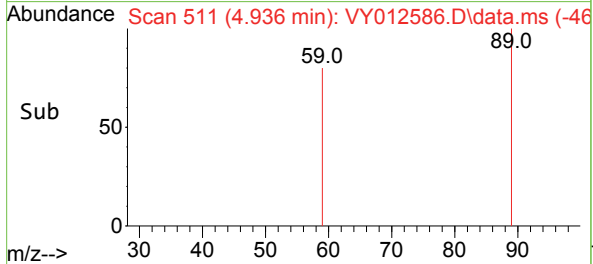
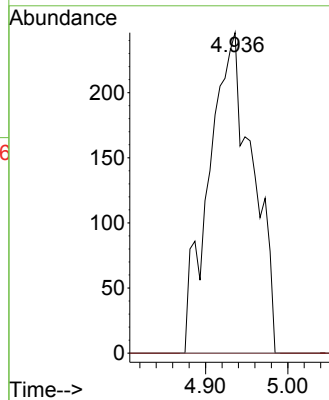
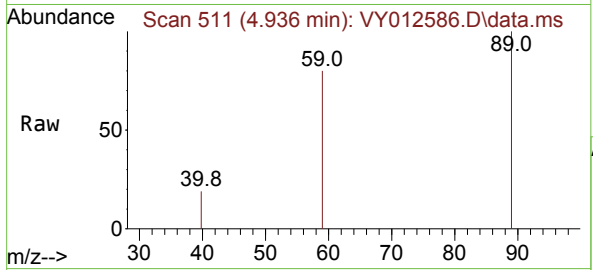




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

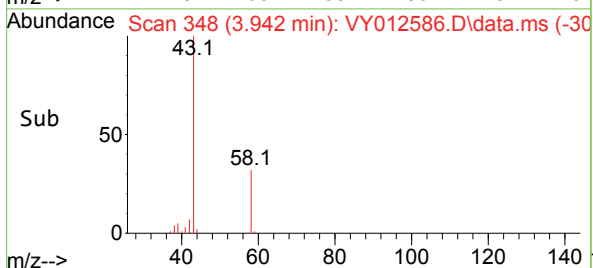
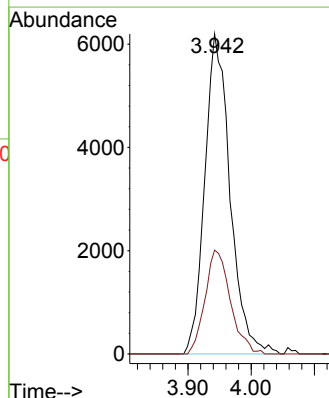
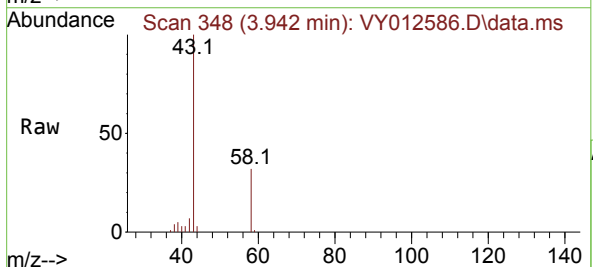
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-28

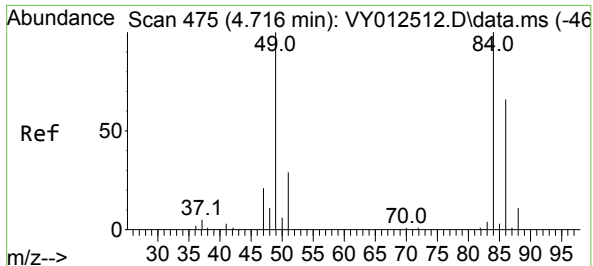
Tgt Ion: 59 Resp: 908
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 38.910 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Tgt Ion: 43 Resp: 17247
Ion Ratio Lower Upper
43 100
58 32.5 27.1 40.7



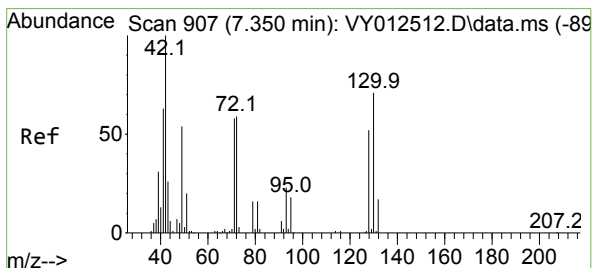
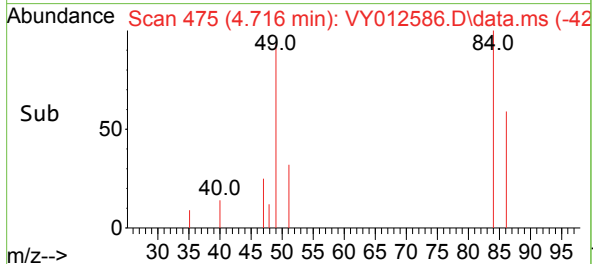
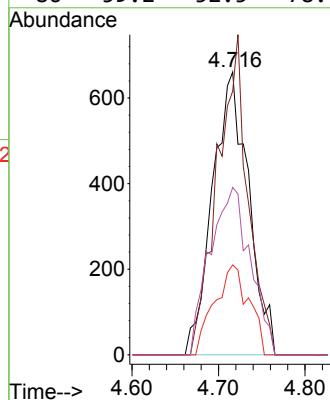
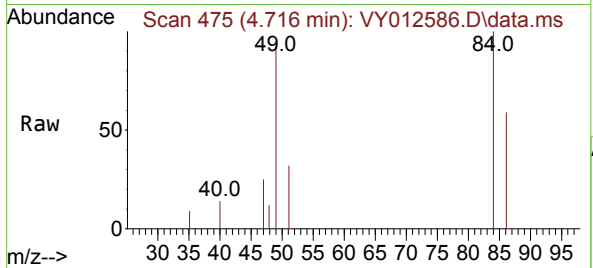


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-28

Tgt Ion: 84 Resp: 1904

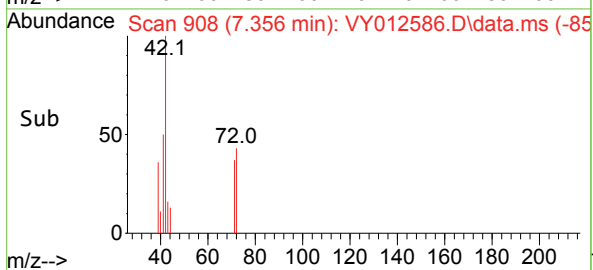
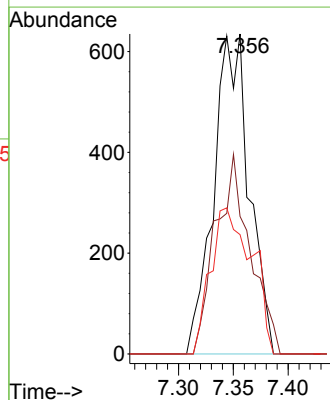
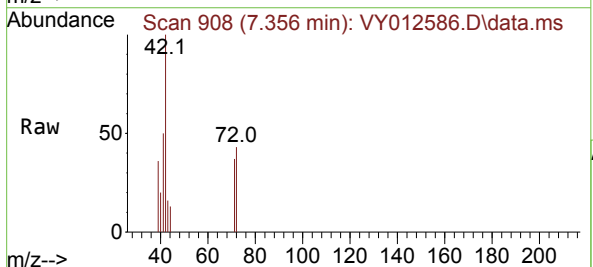
Ion	Ratio	Lower	Upper
84	100		
49	93.2	79.8	119.6
51	31.8	23.4	35.2
86	59.2	52.5	78.7

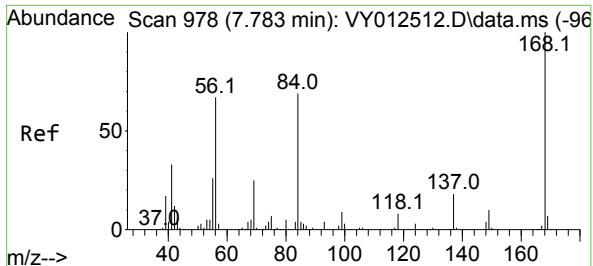


#29
Tetrahydrofuran
Concen: 5.371 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Tgt Ion: 42 Resp: 1428

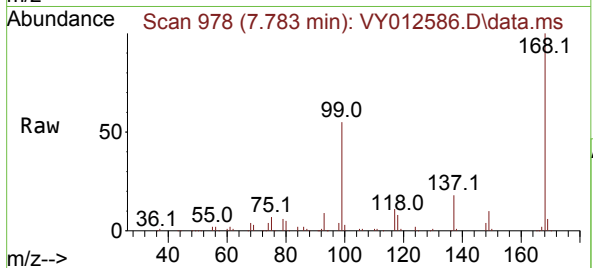
Ion	Ratio	Lower	Upper
42	100		
72	60.9	47.0	70.6
71	53.3	44.6	66.8



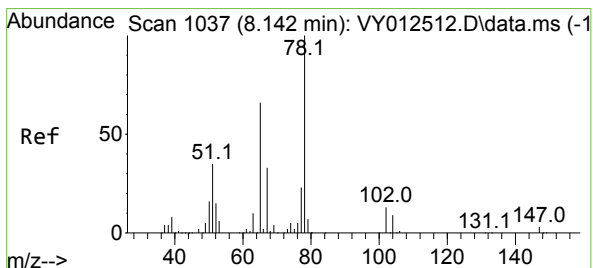
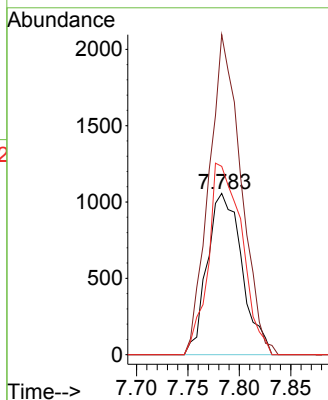
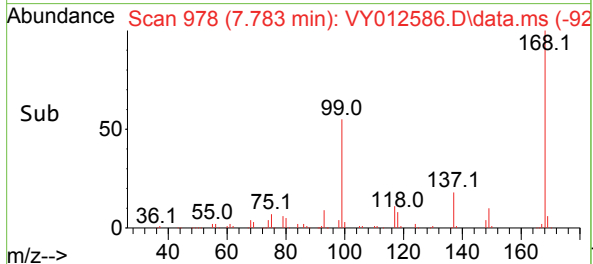


#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Instrument :
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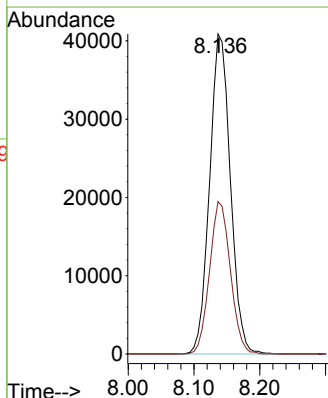
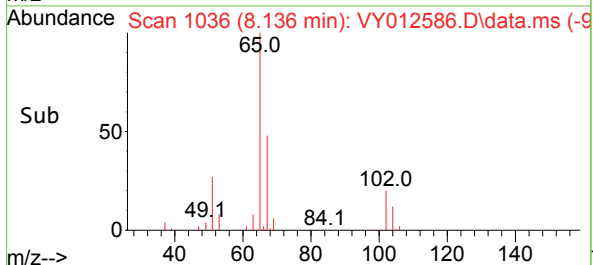
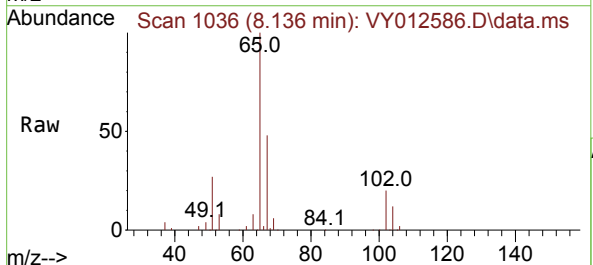


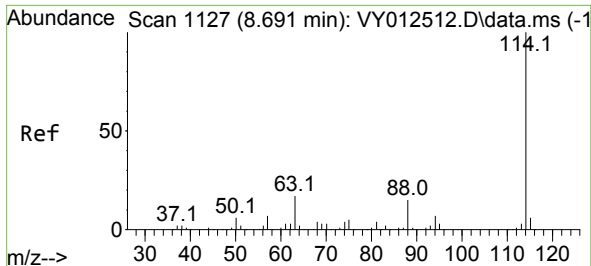
Tgt Ion: 56 Resp: 2478
Ion Ratio Lower Upper
56 100
69 198.5 29.5 44.3#
84 116.9 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 48.810 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Tgt Ion: 65 Resp: 89890
Ion Ratio Lower Upper
65 100
67 47.7 0.0 98.6

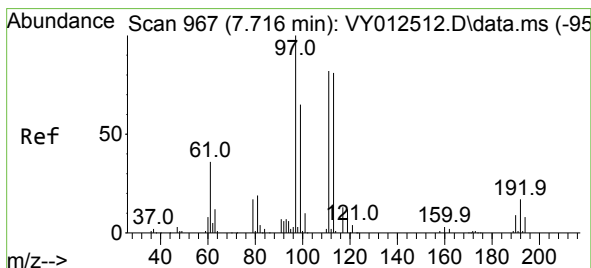
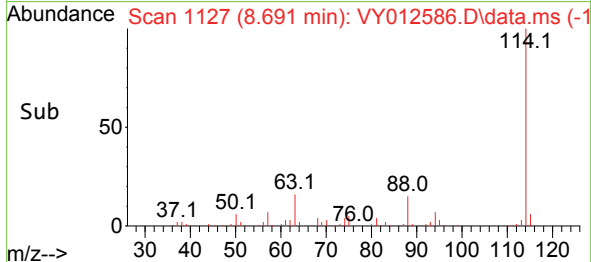
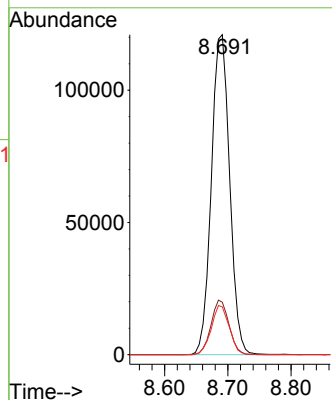
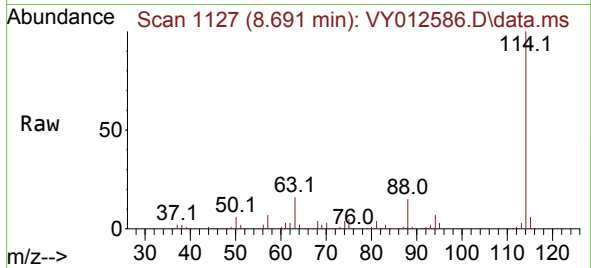




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

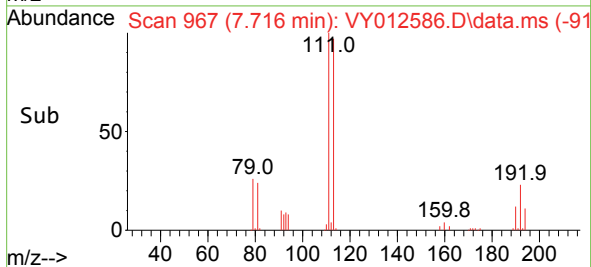
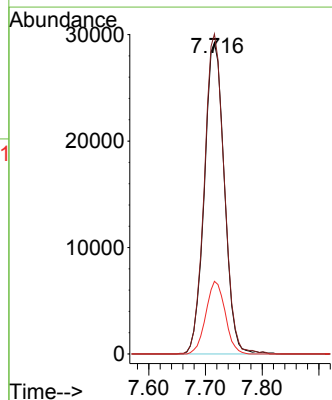
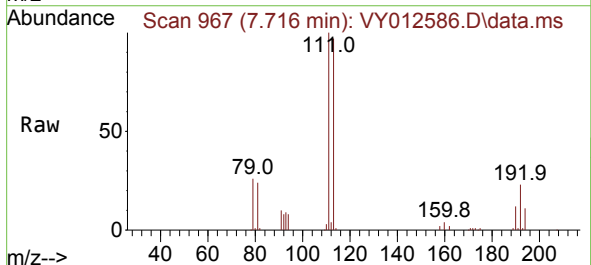
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-28

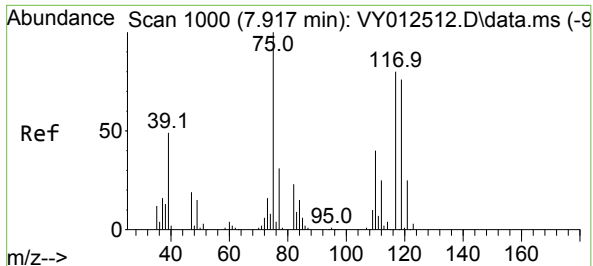
Tgt Ion:114 Resp: 242904
Ion Ratio Lower Upper
114 100
63 16.4 0.0 33.6
88 14.9 0.0 29.8



#35
Dibromofluoromethane
Concen: 40.484 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Tgt Ion:113 Resp: 71615
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 22.6 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.073 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012586.D

Acq: 14 Feb 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-28

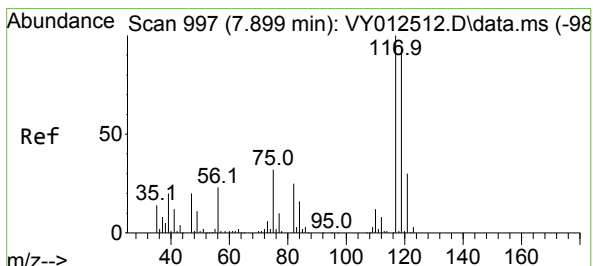
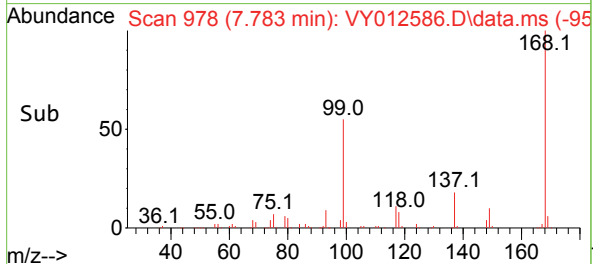
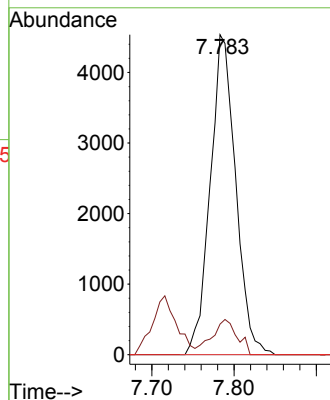
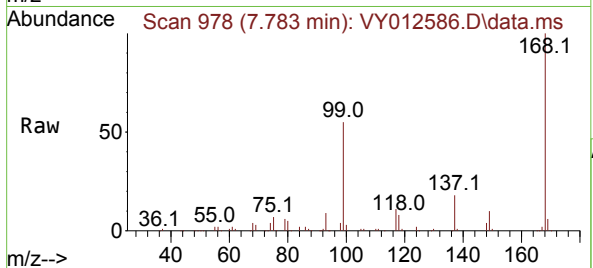
Tgt Ion: 75 Resp: 9752

Ion Ratio Lower Upper

75 100

110 10.9 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.483 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012586.D

Acq: 14 Feb 2023 14:11

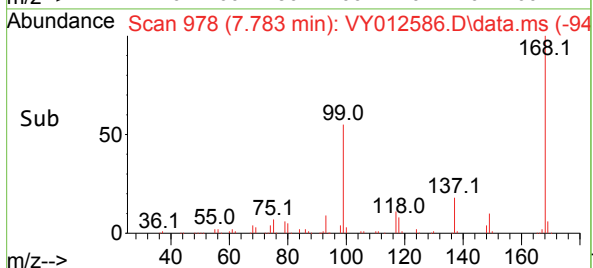
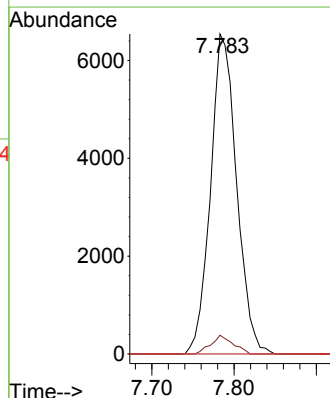
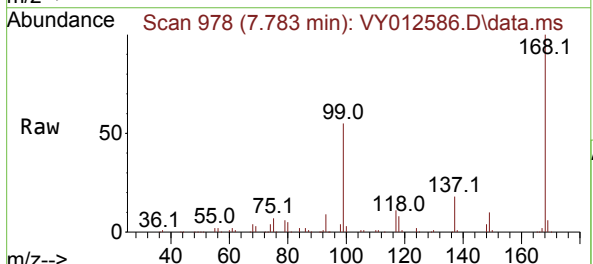
Tgt Ion: 117 Resp: 14407

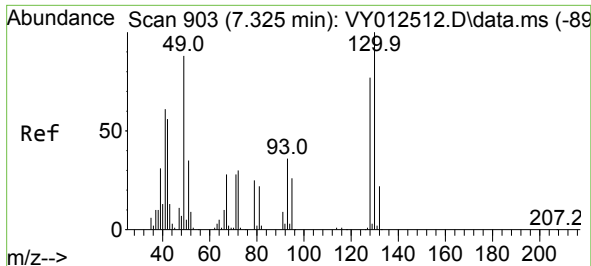
Ion Ratio Lower Upper

117 100

119 5.9 75.1 112.7#

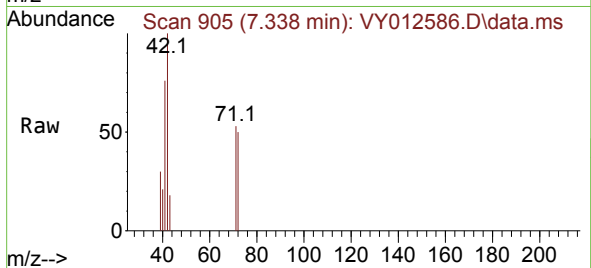
121 0.0 24.3 36.5#



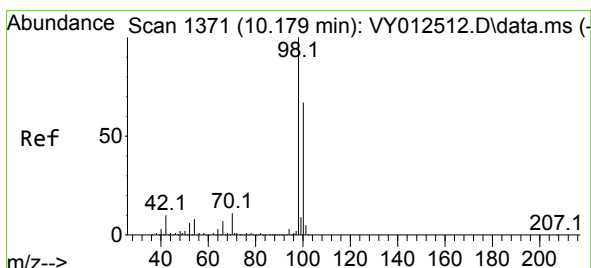
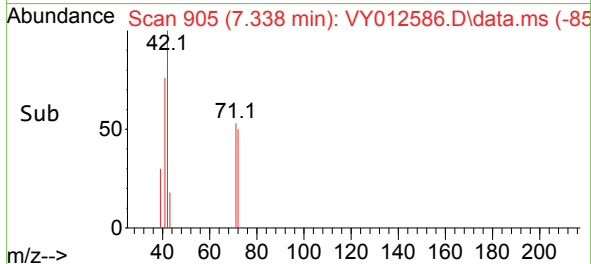
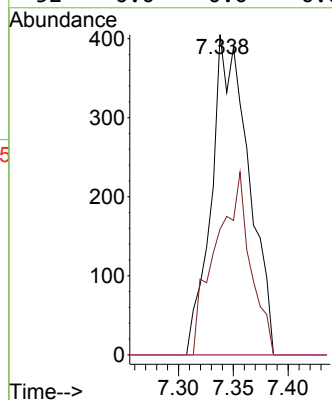


#41
Methacrylonitrile
Concen: 1.614 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.012 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-28

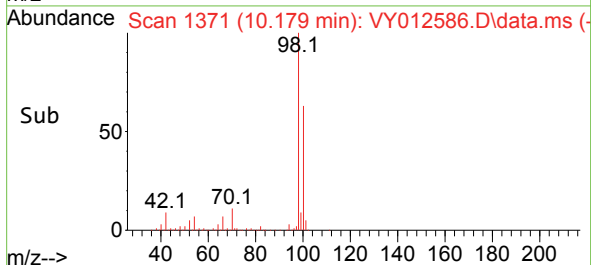
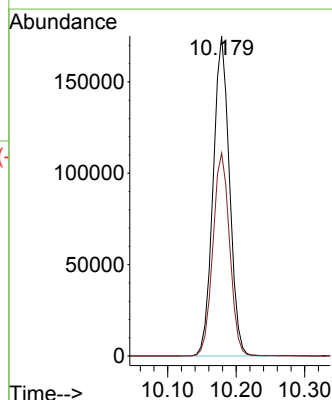
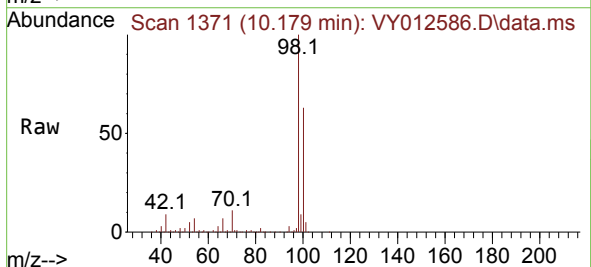


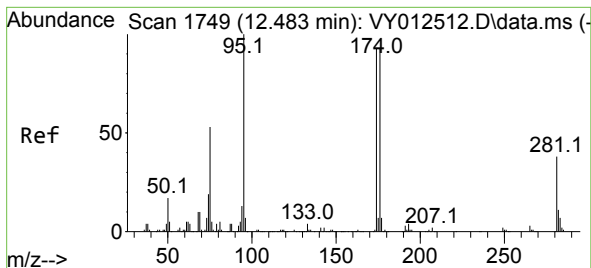
Tgt Ion: 41 Resp: 955
Ion Ratio Lower Upper
41 100
39 53.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 39.299 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Tgt Ion: 98 Resp: 289357
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

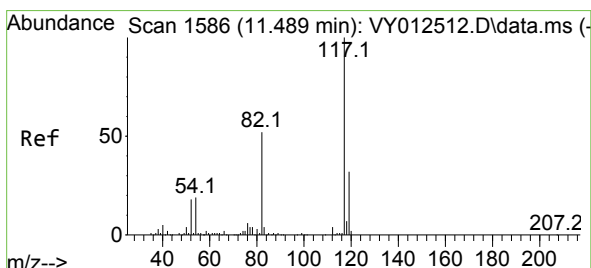
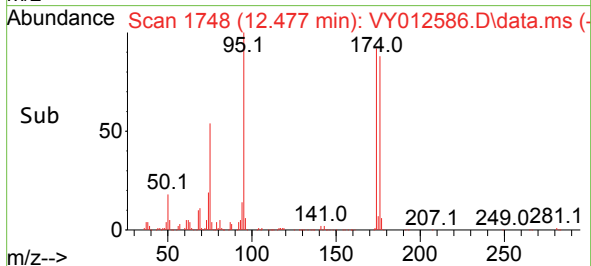
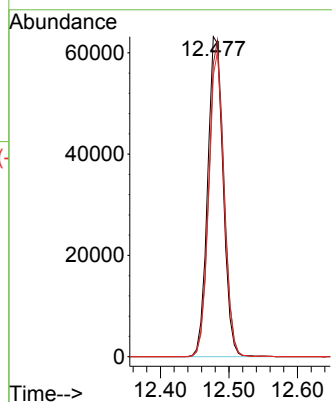
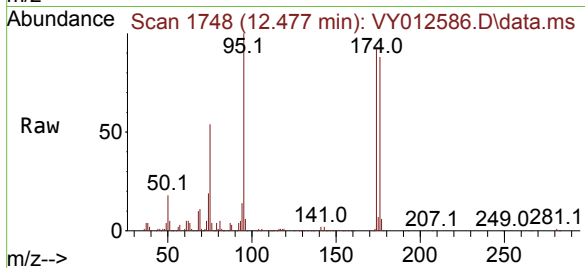




#62
4-Bromofluorobenzene
Concen: 38.836 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

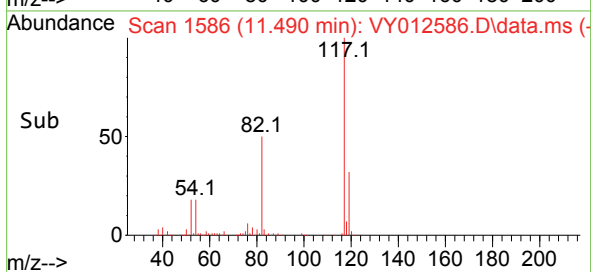
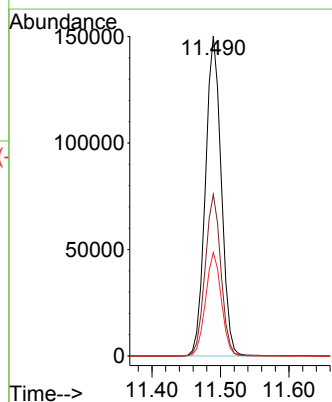
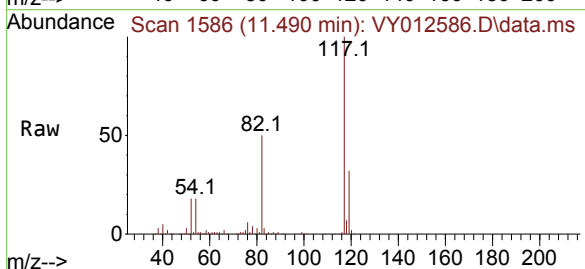
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-28

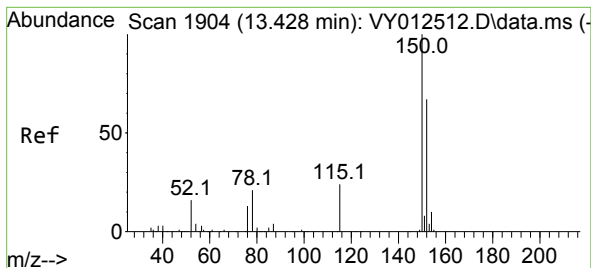
Tgt Ion:	95	Resp:	99740
Ion Ratio	Lower	Upper	
95	100		
174	97.1	0.0	188.0
176	93.5	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012586.D
Acq: 14 Feb 2023 14:11

Tgt Ion:	117	Resp:	241448
Ion Ratio	Lower	Upper	
117	100		
82	50.5	41.7	62.5
119	32.4	25.8	38.8

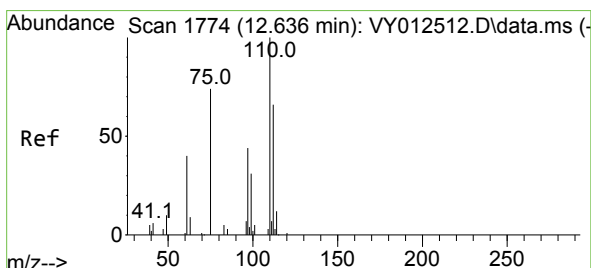
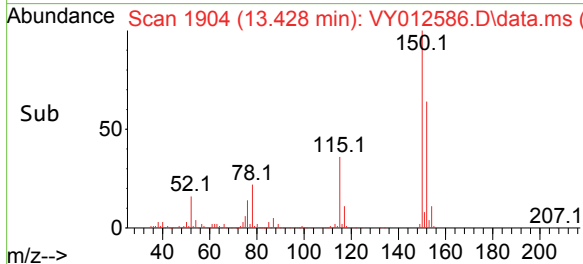
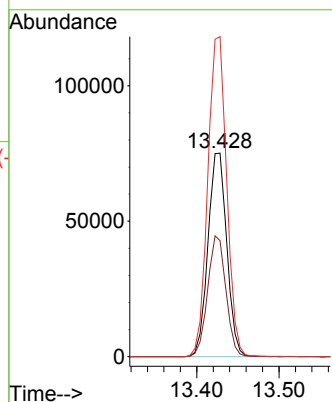
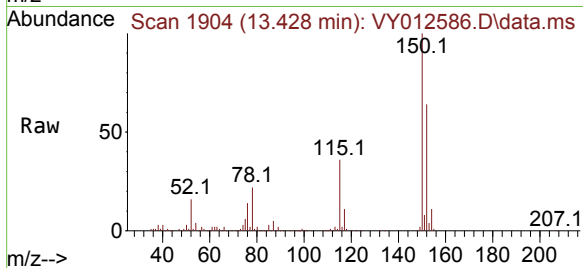




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012586.D
 Acq: 14 Feb 2023 14:11

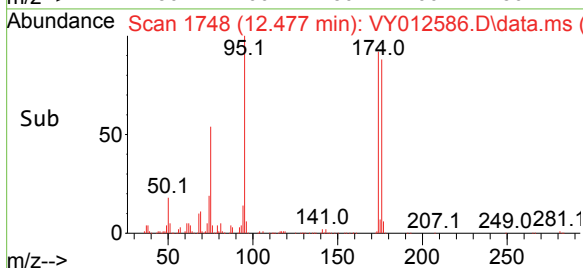
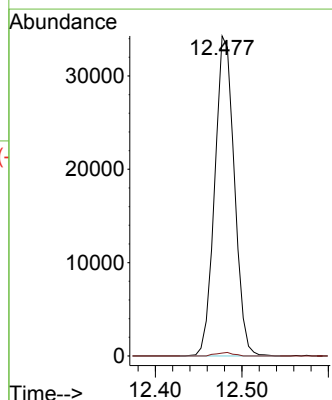
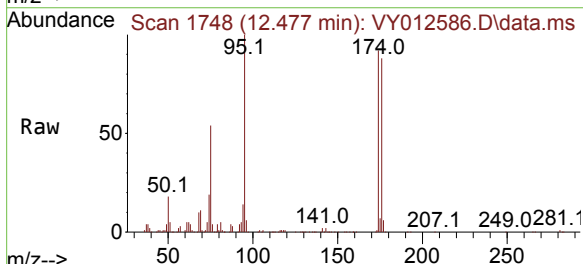
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-28

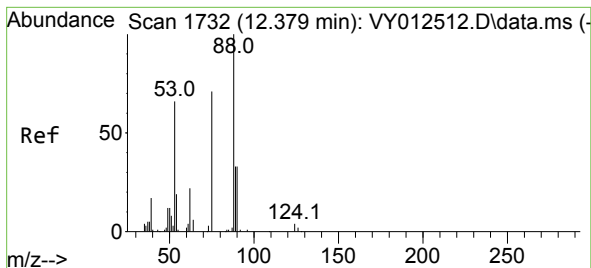
Tgt Ion:152 Resp: 119584
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.1 84.3
 150 157.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 40.311 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY012586.D
 Acq: 14 Feb 2023 14:11

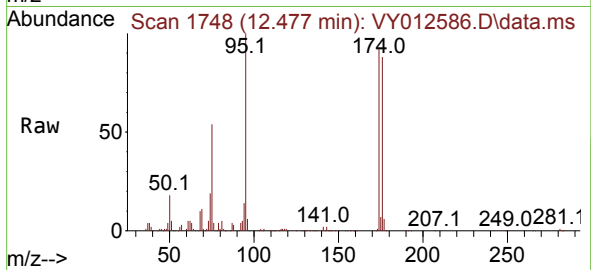
Tgt Ion: 75 Resp: 53857
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.904 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012586.D
 Acq: 14 Feb 2023 14:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-28



Tgt Ion: 75 Resp: 53857
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.1 109.7#
 89 0.0 39.9 59.9#

