

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012591.D
 Acq On : 14 Feb 2023 16:08
 Operator : KP/MD
 Sample : 01538-22
 Misc : 3.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-48

Quant Time: Feb 15 01:30:14 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)

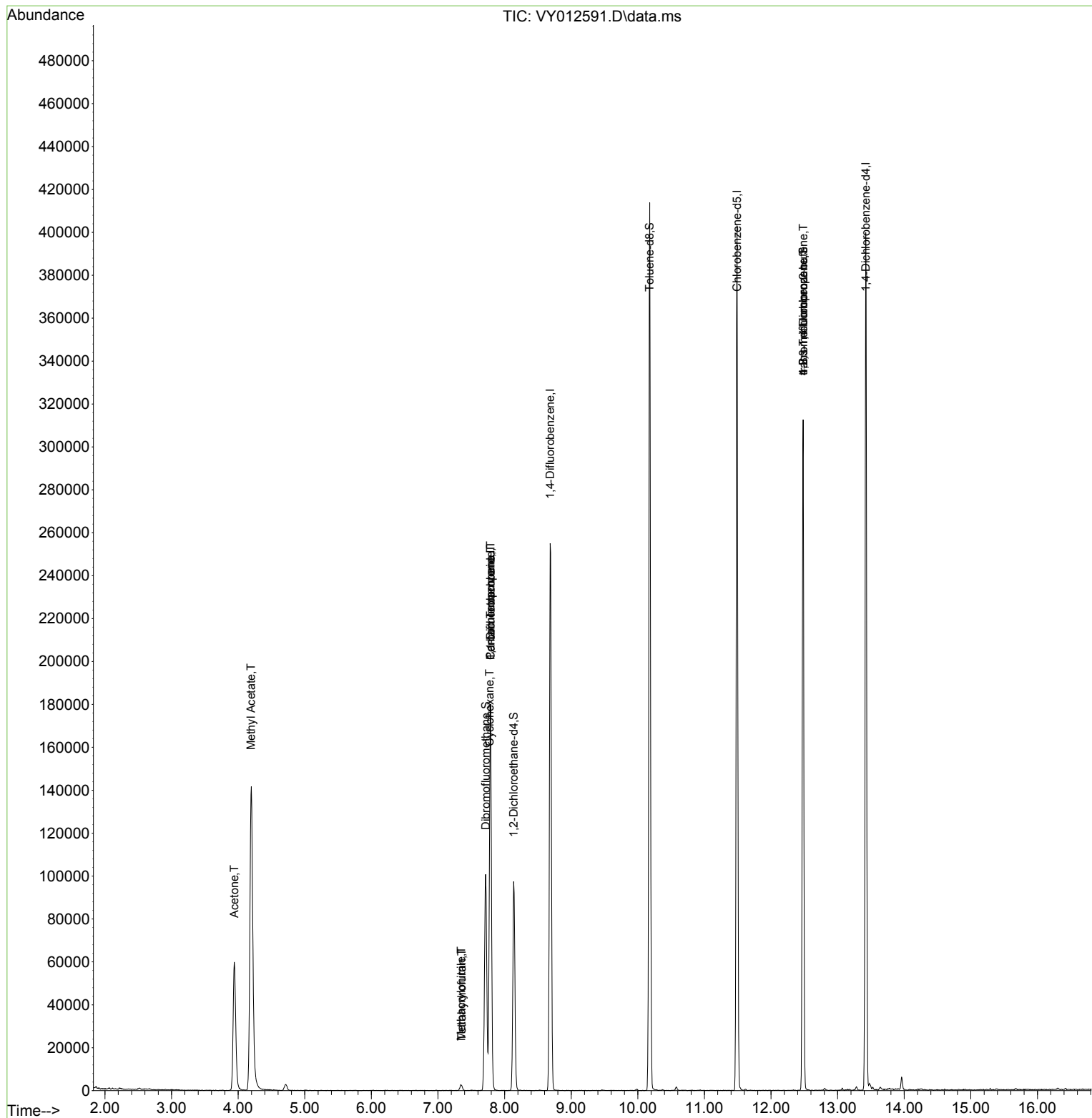
Internal Standards						
1) Pentafluorobenzene	7.789	168	141836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	232642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	228476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81562	45.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.440%
35) Dibromofluoromethane	7.716	113	68288	40.306	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.620%
50) Toluene-d8	10.179	98	275043	39.003	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.000%
62) 4-Bromofluorobenzene	12.483	95	91646	37.259	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.520%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	195	Below Cal		93
11) Tert butyl alcohol	4.936	59	33	Below Cal	#	75
16) Acetone	3.942	43	102646	236.455	ug/l	100
18) Methyl Acetate	4.192	43	41277	39.560	ug/l #	43
20) Methylene Chloride	4.710	84	2300	Below Cal		98
29) Tetrahydrofuran	7.356	42	1854	7.120	ug/l	92
31) Cyclohexane	7.777	56	2371	1.137	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	9348	4.077	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13424	4.361	ug/l #	18
41) Methacrylonitrile	7.350	41	1149	2.027	ug/l #	100
76) 1,2,3-Trichloropropane	12.483	75	49008	39.863	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49008	89.893	ug/l #	12

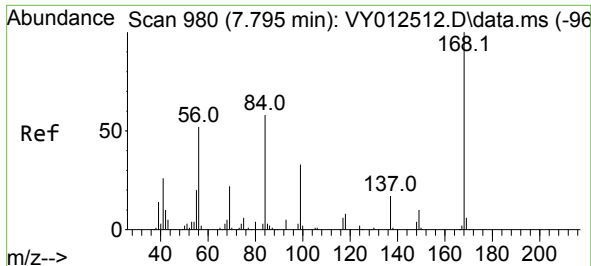
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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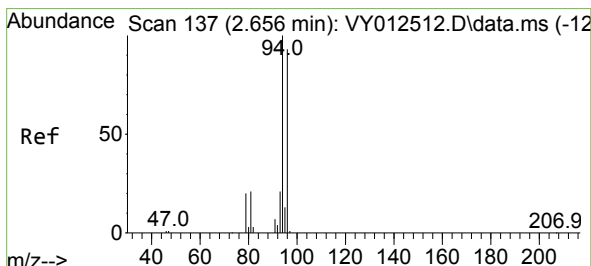
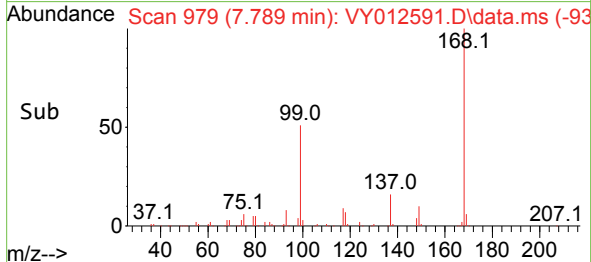
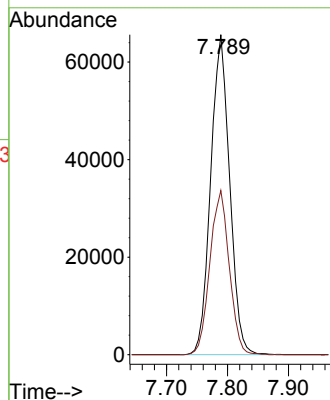
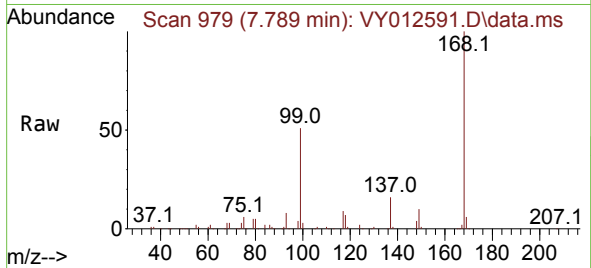




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

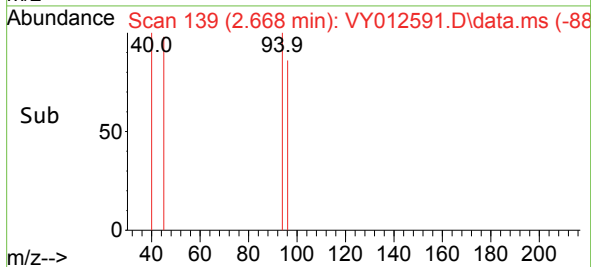
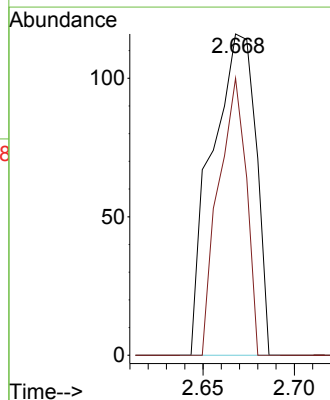
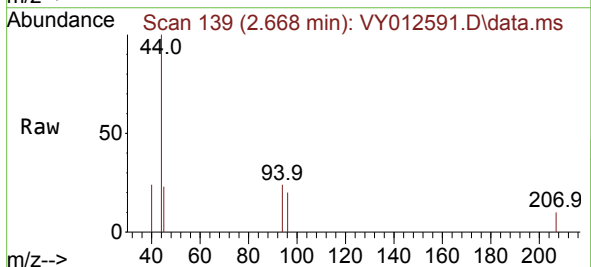
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

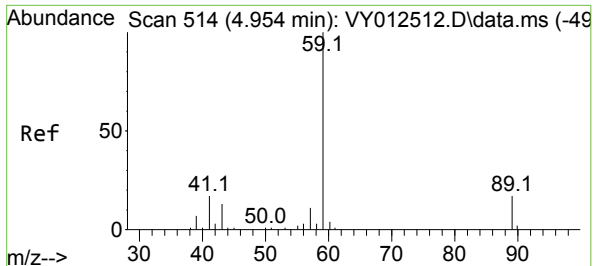
Tgt Ion:168 Resp: 141836
Ion Ratio Lower Upper
168 100
99 51.3 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 94 Resp: 195
Ion Ratio Lower Upper
94 100
96 86.2 74.7 112.1

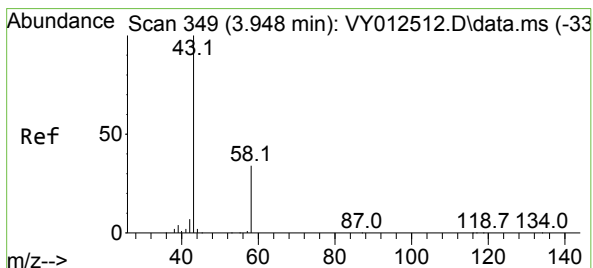
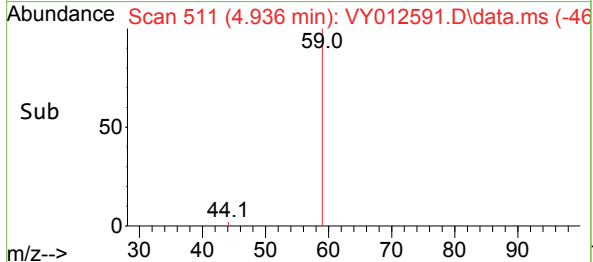
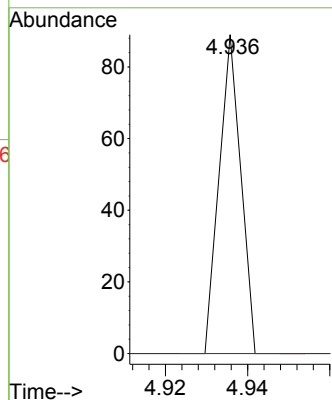
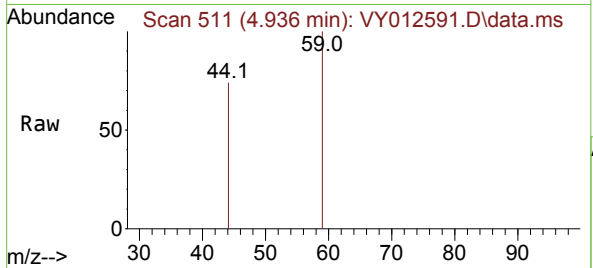




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

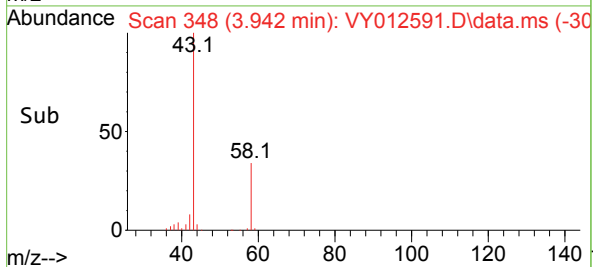
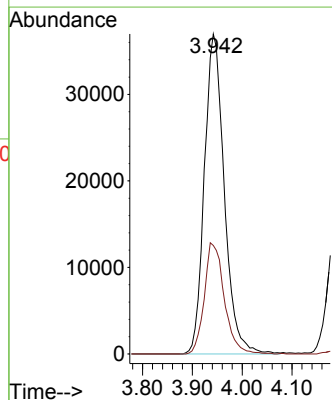
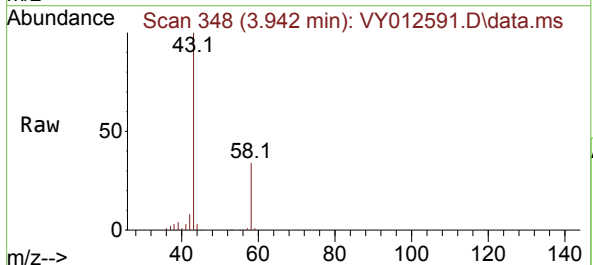
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

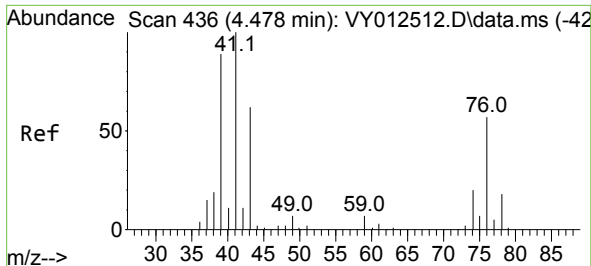
Tgt Ion: 59 Resp: 33
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 236.455 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 43 Resp: 102646
Ion Ratio Lower Upper
43 100
58 33.9 27.1 40.7

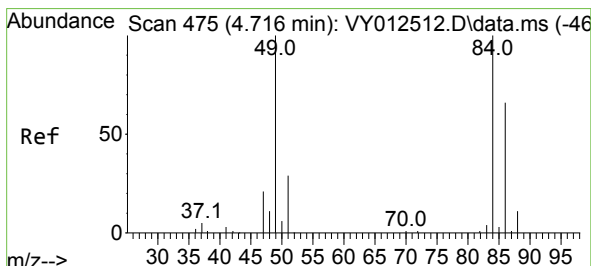
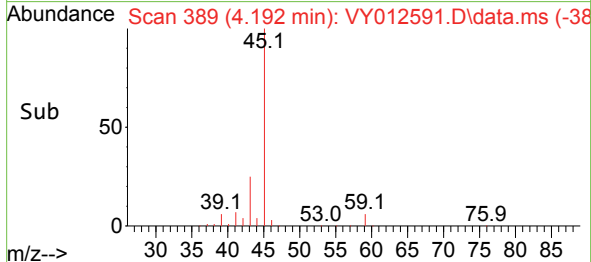
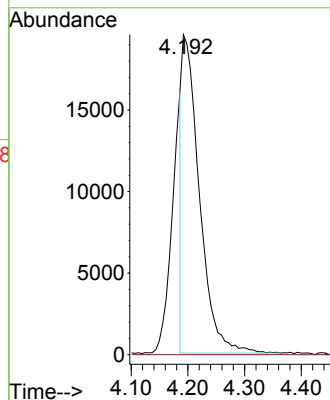
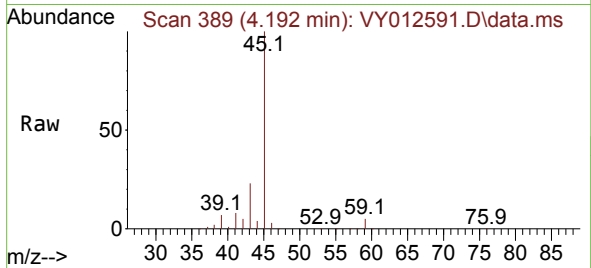




#18
Methyl Acetate
Concen: 39.560 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.286 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

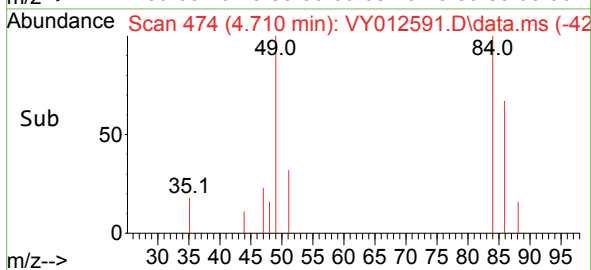
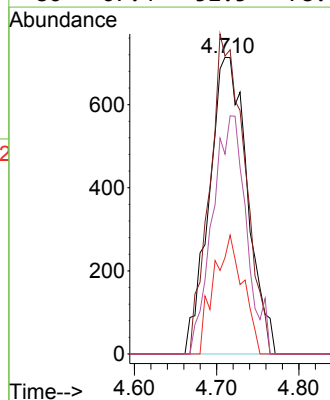
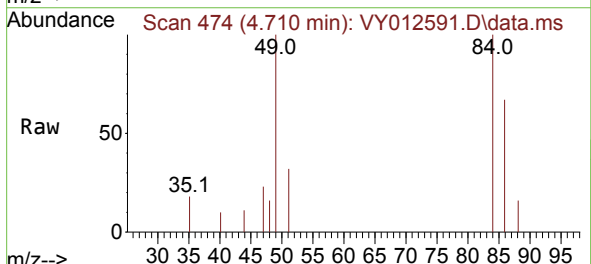
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

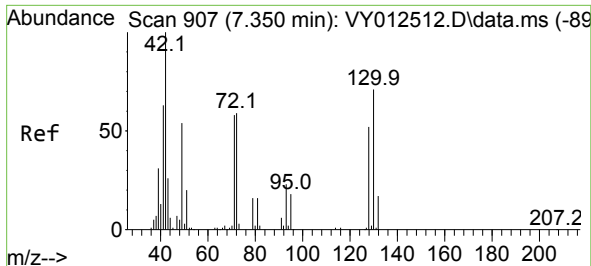
Tgt Ion: 43 Resp: 41277
Ion Ratio Lower Upper
43 100
74 0.0 25.6 38.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 84 Resp: 2300
Ion Ratio Lower Upper
84 100
49 100.4 79.8 119.6
51 32.5 23.4 35.2
86 67.4 52.5 78.7





#29

Tetrahydrofuran

Concen: 7.120 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012591.D

Acq: 14 Feb 2023 16:08

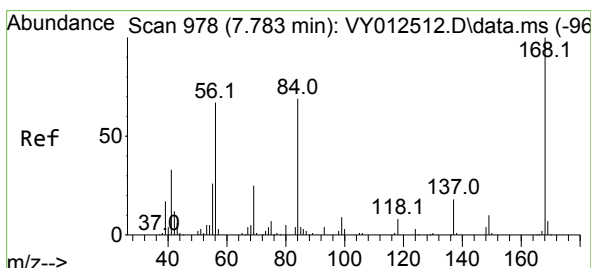
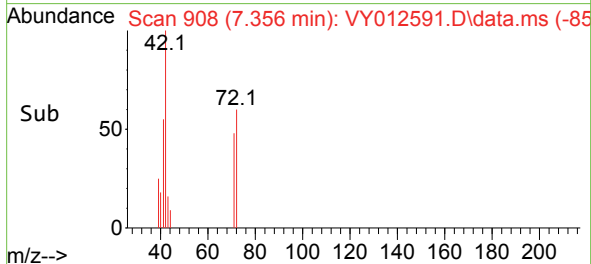
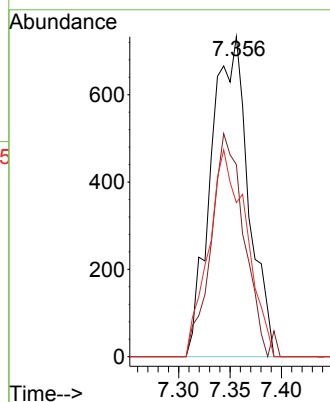
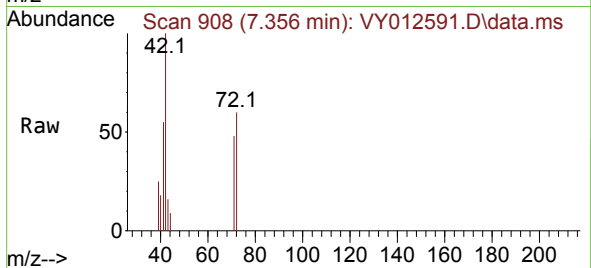
Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-48

Tgt Ion:	42	Resp:	1854
Ion	Ratio	Lower	Upper
42	100		
72	60.8	47.0	70.6
71	65.3	44.6	66.8



#31

Cyclohexane

Concen: 1.137 ug/l

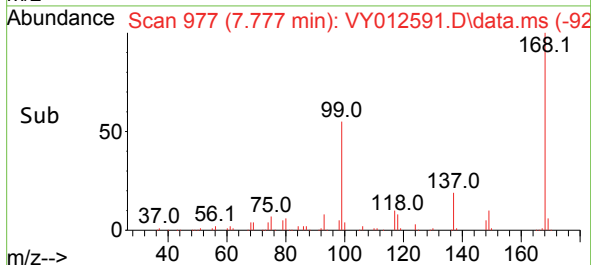
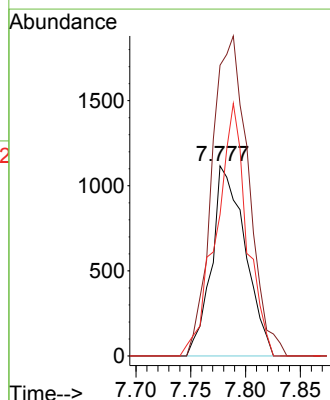
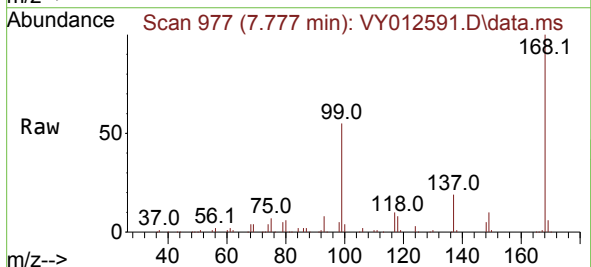
RT: 7.777 min Scan# 977

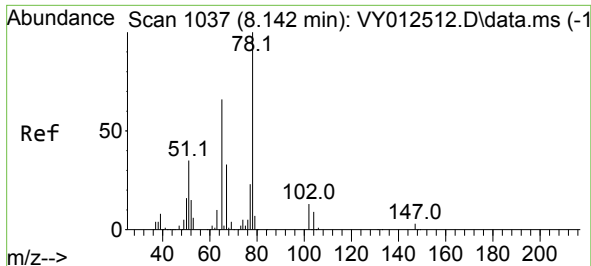
Delta R.T. -0.006 min

Lab File: VY012591.D

Acq: 14 Feb 2023 16:08

Tgt Ion:	56	Resp:	2371
Ion	Ratio	Lower	Upper
56	100		
69	152.9	29.5	44.3#
84	74.4	81.9	122.9#





#33

1,2-Dichloroethane-d4

Concen: 45.221 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012591.D

Acq: 14 Feb 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :

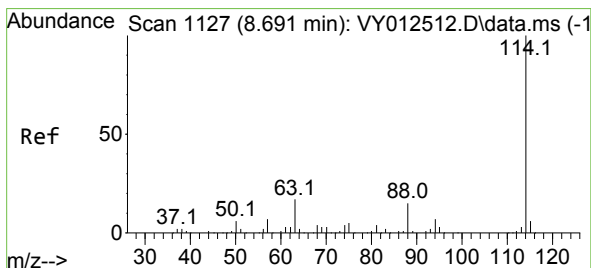
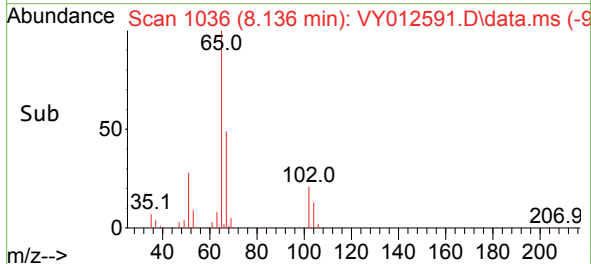
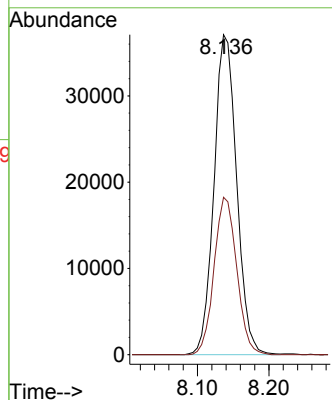
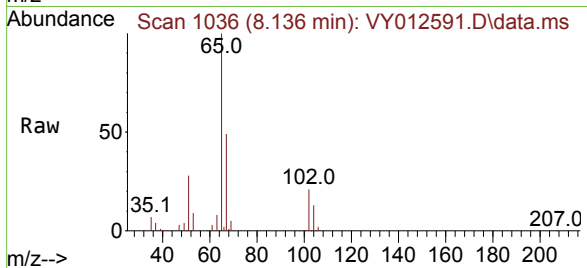
TOT-VOC-GRAB-48

Tgt Ion: 65 Resp: 81562

Ion Ratio Lower Upper

65 100

67 49.2 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: VY012591.D

Acq: 14 Feb 2023 16:08

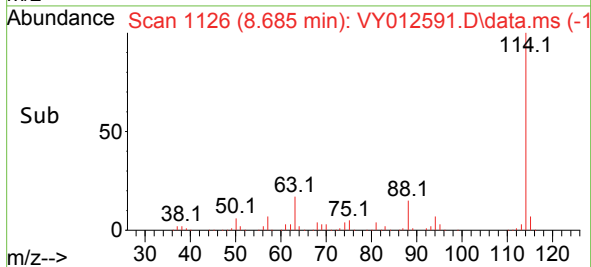
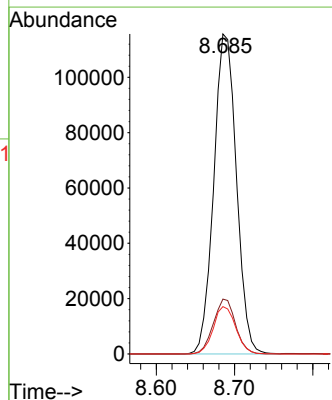
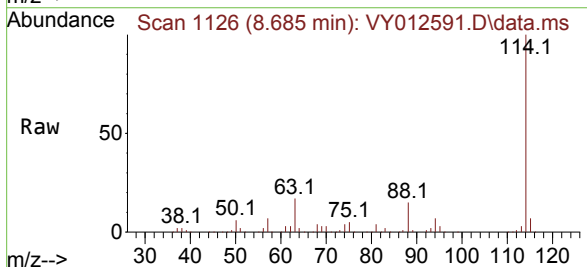
Tgt Ion: 114 Resp: 232642

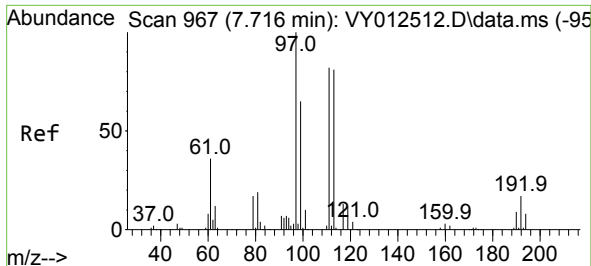
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.6

88 14.8 0.0 29.8

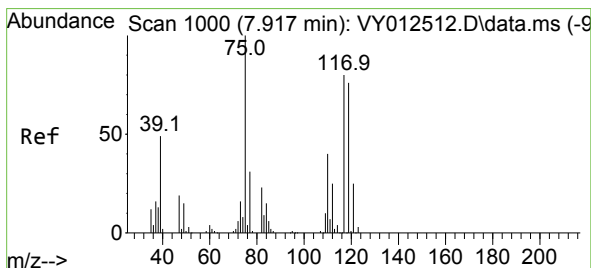
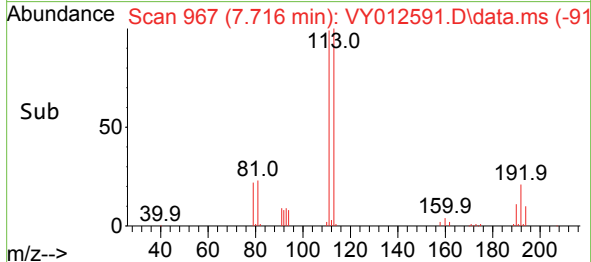
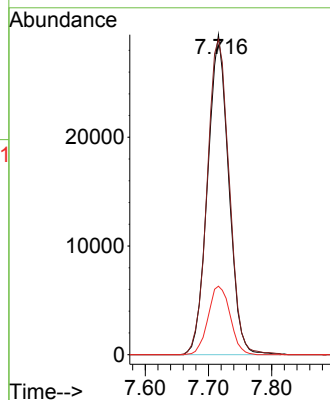
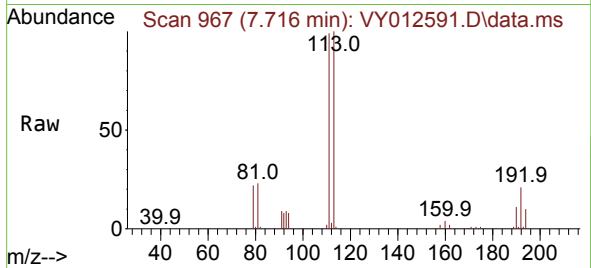




#35
Dibromofluoromethane
Concen: 40.306 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

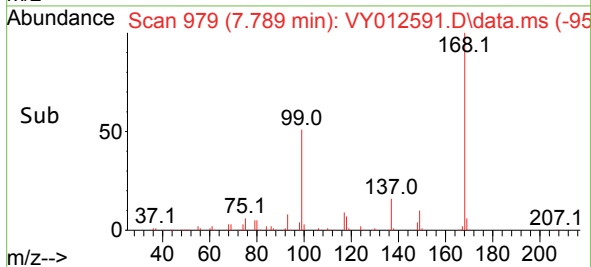
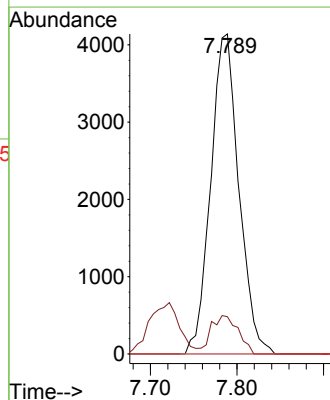
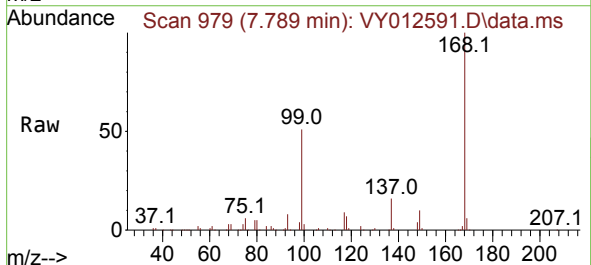
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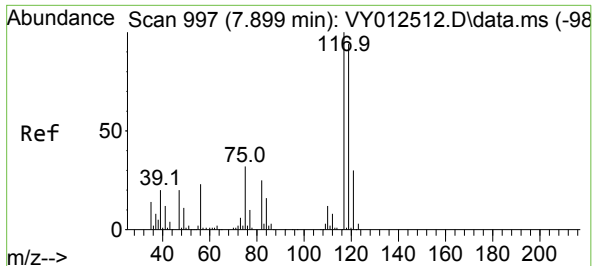
Tgt Ion:113 Resp: 68288
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 22.4 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.077 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

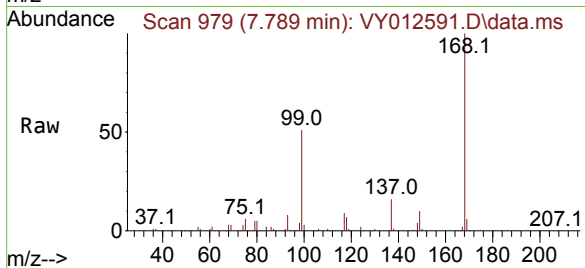
Tgt Ion: 75 Resp: 9348
Ion Ratio Lower Upper
75 100
110 11.6 19.5 58.5#
77 0.0 24.9 37.3#



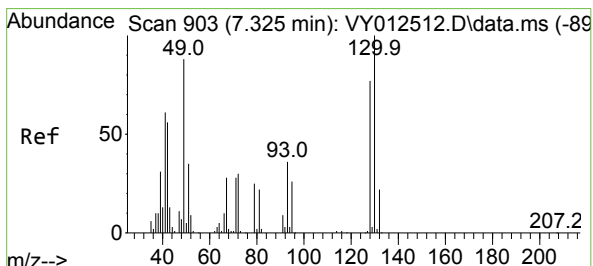
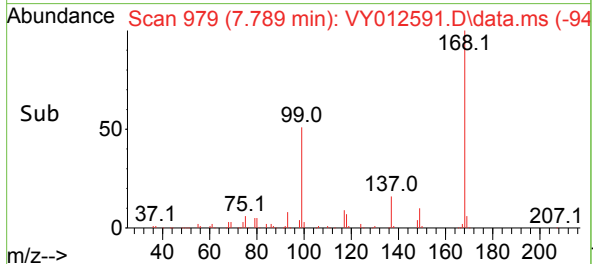
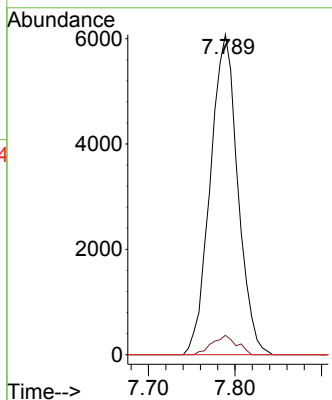


#38
Carbon Tetrachloride
Concen: 4.361 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

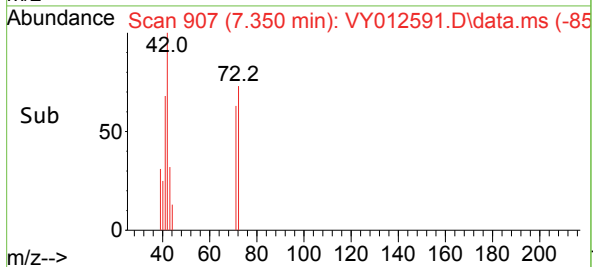
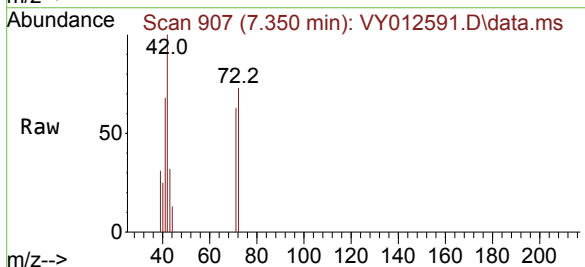
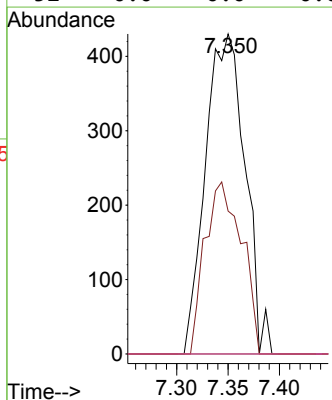


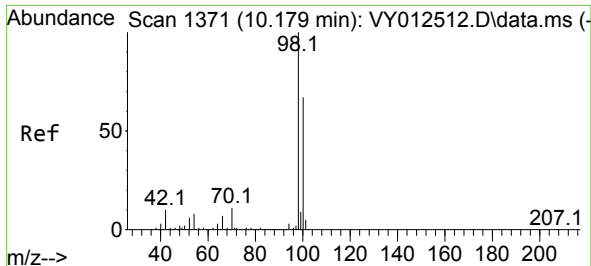
Tgt Ion:117 Resp: 13424
Ion Ratio Lower Upper
117 100
119 6.1 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 2.027 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.024 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 41 Resp: 1149
Ion Ratio Lower Upper
41 100
39 50.1 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

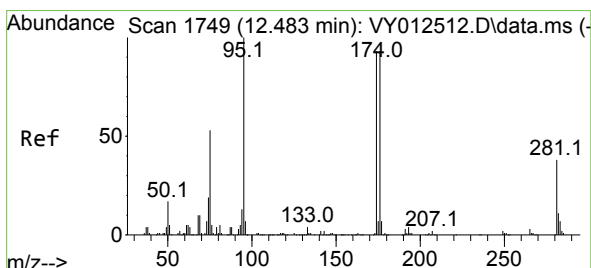
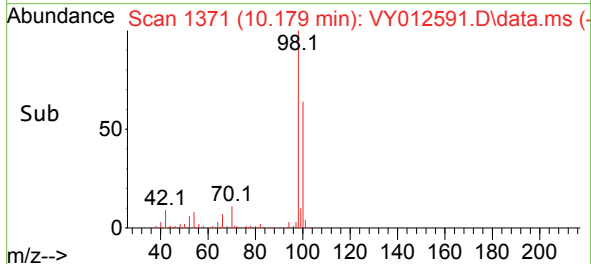
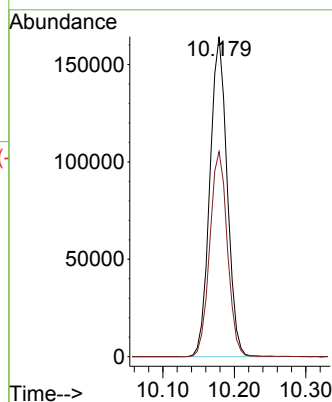
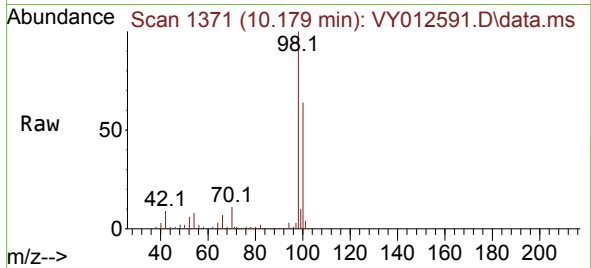




#50
Toluene-d8
Concen: 39.003 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

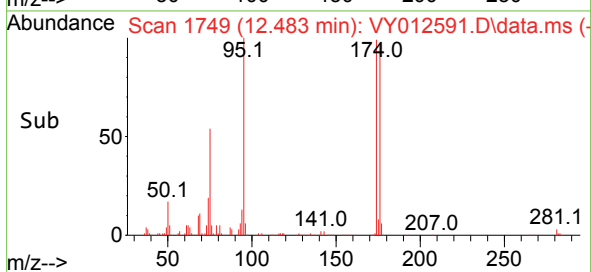
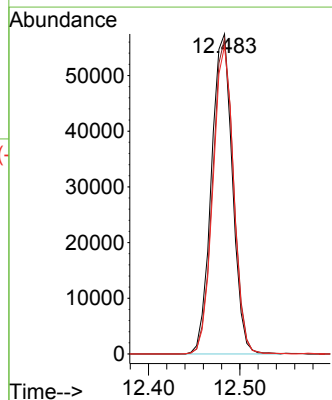
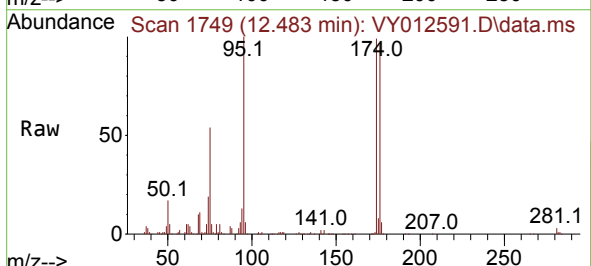
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

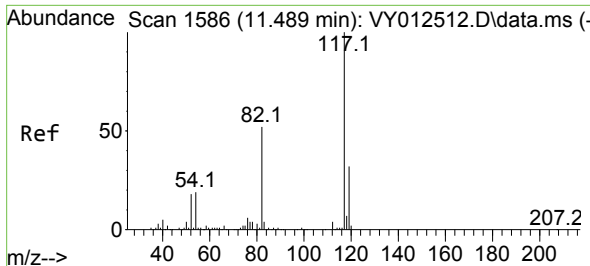
Tgt Ion: 98 Resp: 275043
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.259 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 95 Resp: 91646
Ion Ratio Lower Upper
95 100
174 97.7 0.0 188.0
176 94.5 0.0 183.6

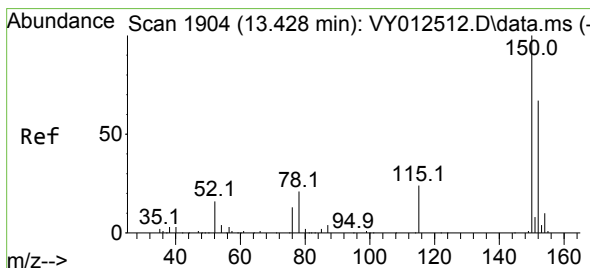
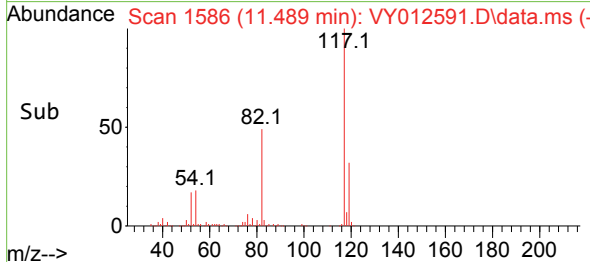
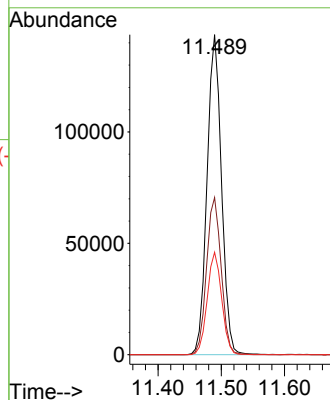
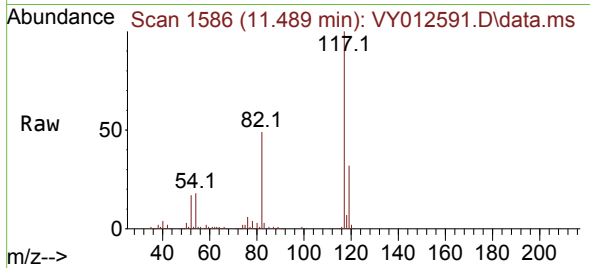




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

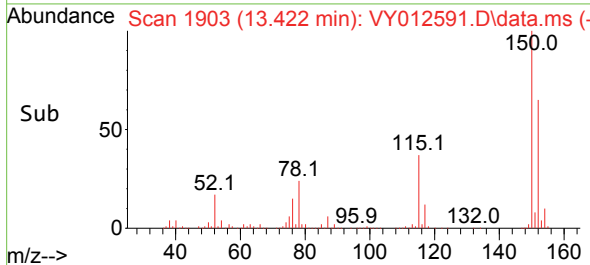
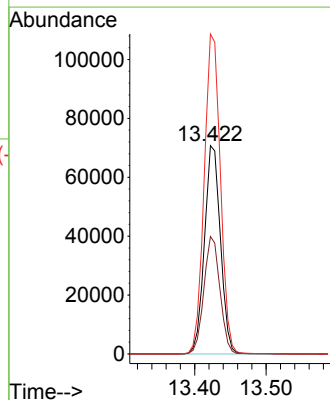
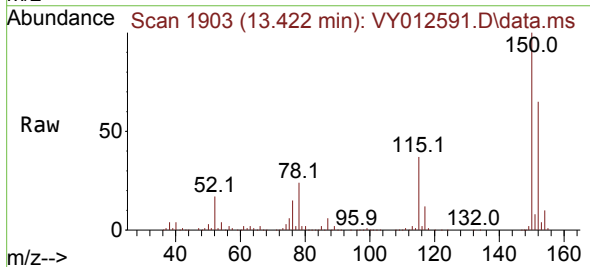
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

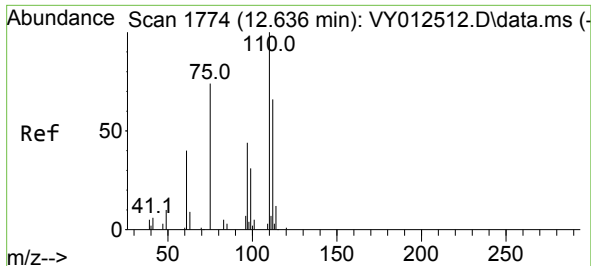
Tgt Ion:117 Resp: 228476
Ion Ratio Lower Upper
117 100
82 49.1 41.7 62.5
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion:152 Resp: 110041
Ion Ratio Lower Upper
152 100
115 56.6 28.1 84.3
150 155.6 0.0 351.0

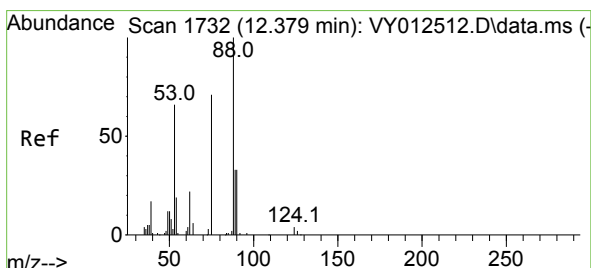
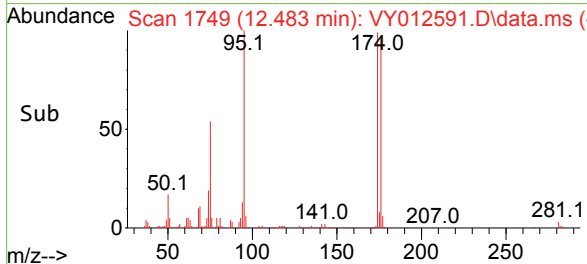
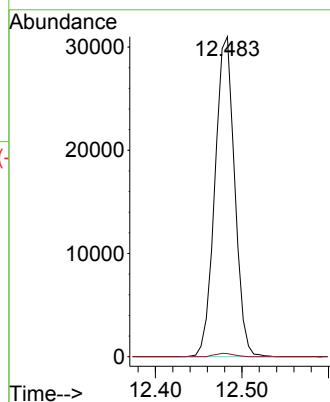
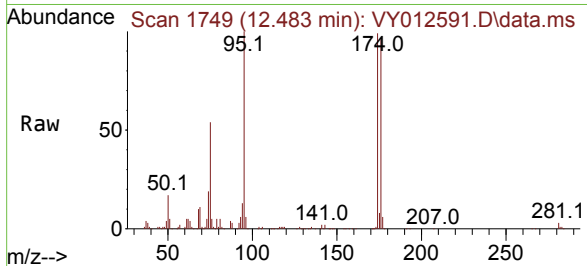




#76
1,2,3-Trichloropropane
Concen: 39.863 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

Tgt Ion: 75 Resp: 49008
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.893 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 75 Resp: 49008
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

