

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012582.D
 Acq On : 14 Feb 2023 12:37
 Operator : KP/MD
 Sample : 01539-07
 Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-52

Quant Time: Feb 15 01:25:24 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)

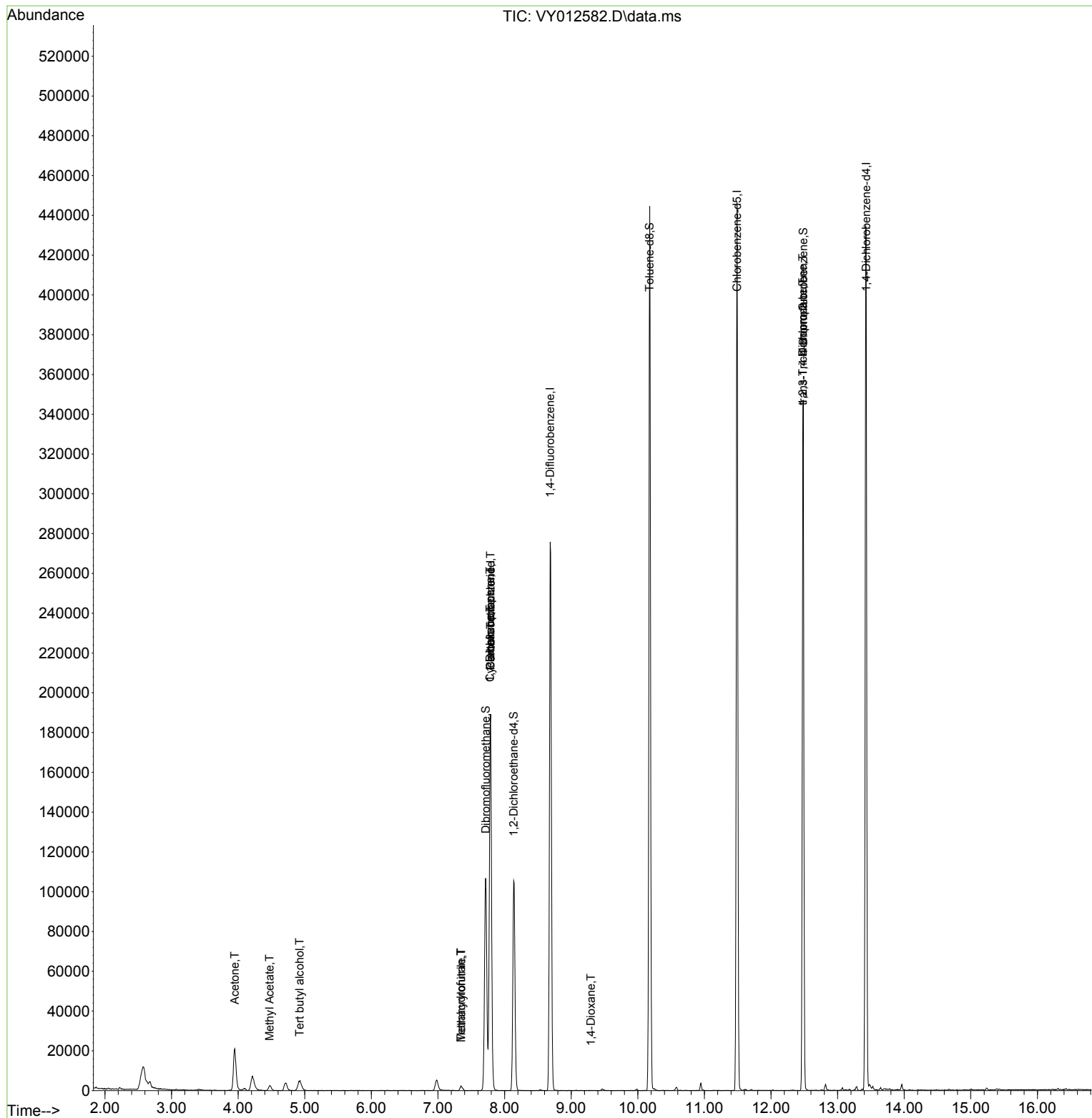
Internal Standards						
1) Pentafluorobenzene	7.789	168	152470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	251459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	243354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90870	46.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.740%
35) Dibromofluoromethane	7.716	113	73138	39.938	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.880%
50) Toluene-d8	10.179	98	292993	38.439	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.880%
62) 4-Bromofluorobenzene	12.483	95	99679	37.492	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.631	94	594	Below Cal	#	80
11) Tert butyl alcohol	4.924	59	5185	19.337	ug/l #	75
16) Acetone	3.948	43	37408	80.163	ug/l	98
18) Methyl Acetate	4.472	43	4261	3.799	ug/l	100
20) Methylene Chloride	4.710	84	3420	Below Cal		91
29) Tetrahydrofuran	7.344	42	1422	5.080	ug/l #	85
31) Cyclohexane	7.783	56	2844	1.269	ug/l #	40
36) 1,1-Dichloropropene	7.783	75	10093	4.072	ug/l #	49
38) Carbon Tetrachloride	7.789	117	14685	4.414	ug/l #	17
41) Methacrylonitrile	7.350	41	980	1.599	ug/l #	100
49) 1,4-Dioxane	9.295	88	74	5.100	ug/l #	31
76) 1,2,3-Trichloropropane	12.477	75	54041	40.106	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54041	90.441	ug/l #	12

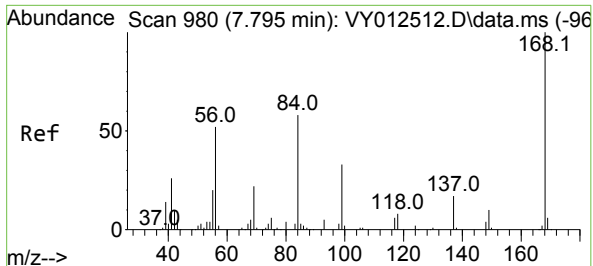
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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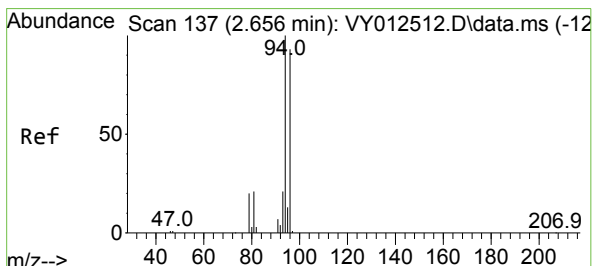
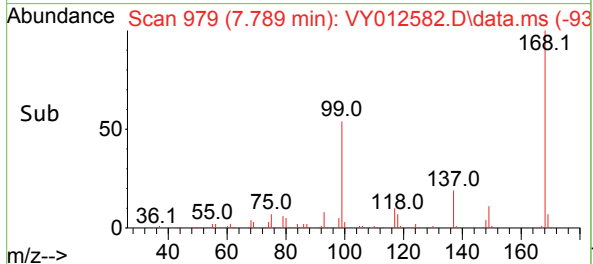
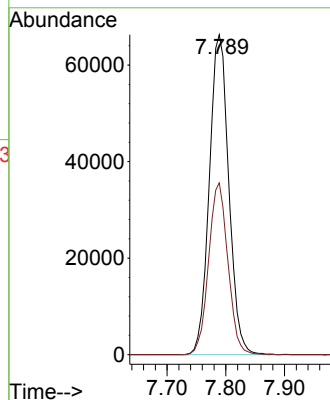
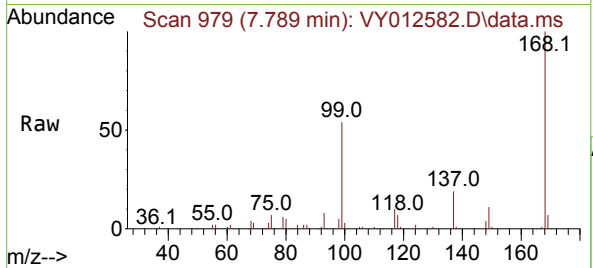




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

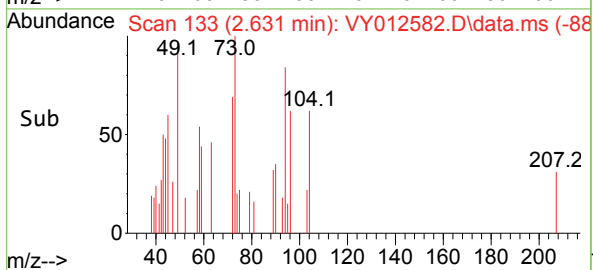
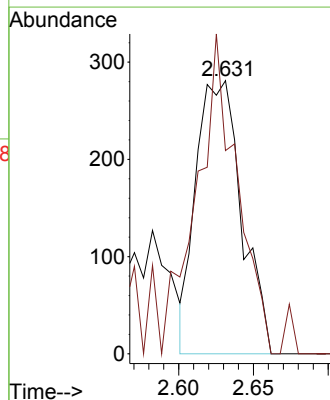
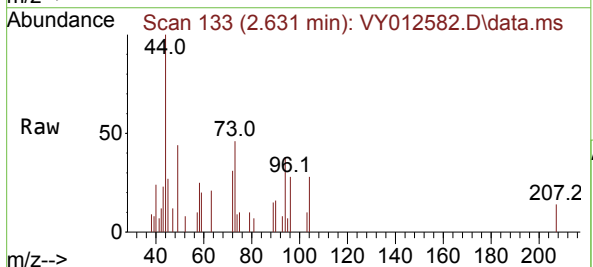
Instrument :
MSVOA_Y
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TOT-VOC-GRAB-52

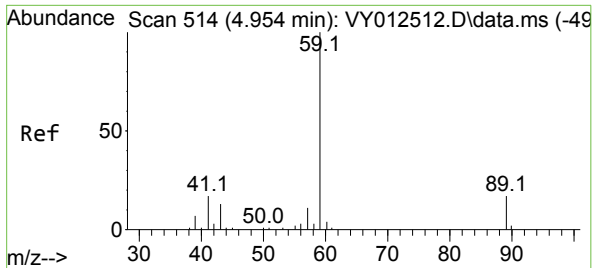
Tgt Ion:168 Resp: 152470
Ion Ratio Lower Upper
168 100
99 53.7 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.631 min Scan# 133
Delta R.T. -0.025 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

Tgt Ion: 94 Resp: 594
Ion Ratio Lower Upper
94 100
96 74.4 74.7 112.1#

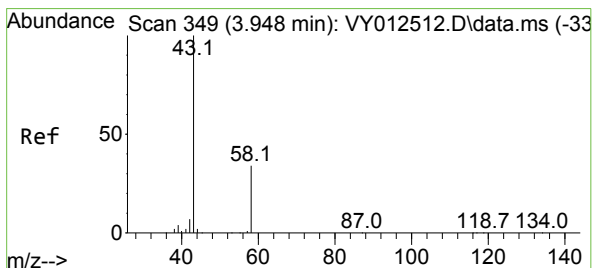
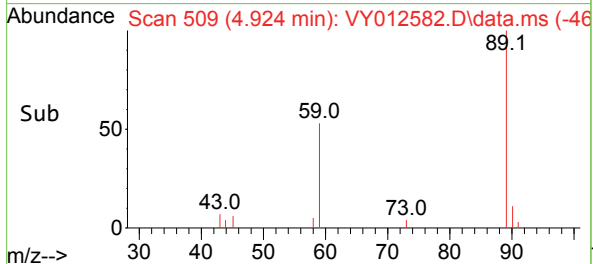
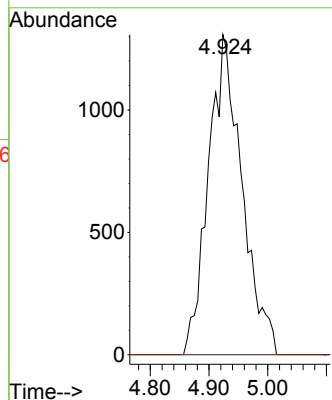
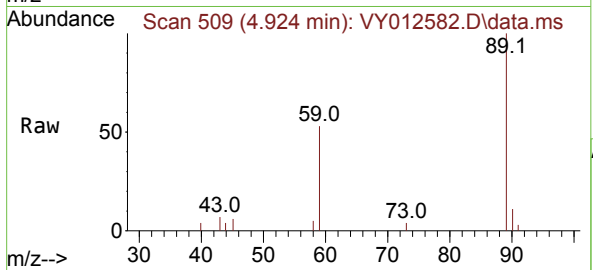




#11
Tert butyl alcohol
Concen: 19.337 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

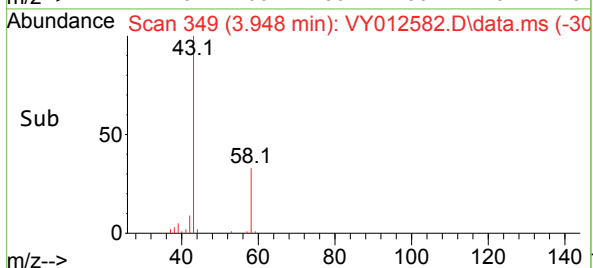
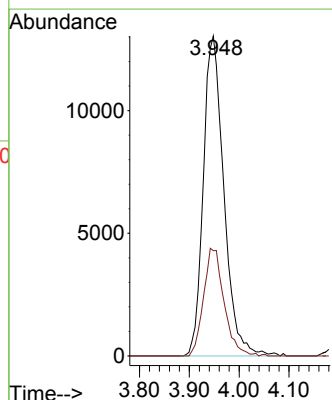
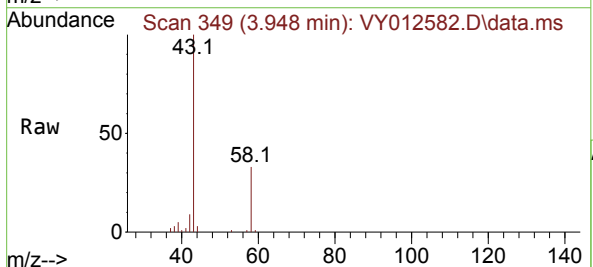
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

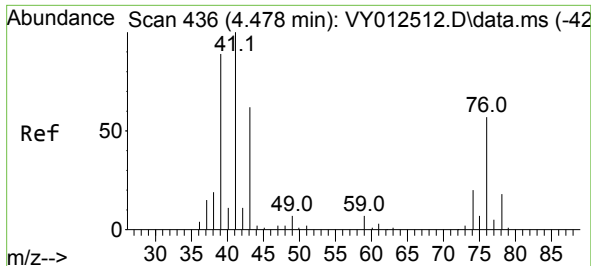
Tgt Ion: 59 Resp: 5185
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 80.163 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

Tgt Ion: 43 Resp: 37408
Ion Ratio Lower Upper
43 100
58 32.9 27.1 40.7

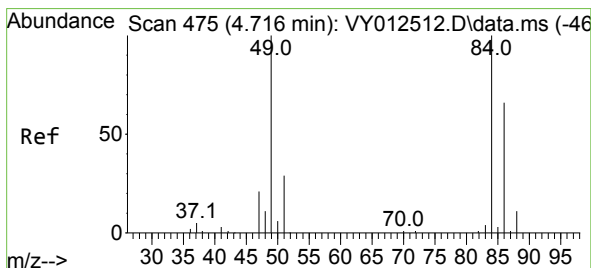
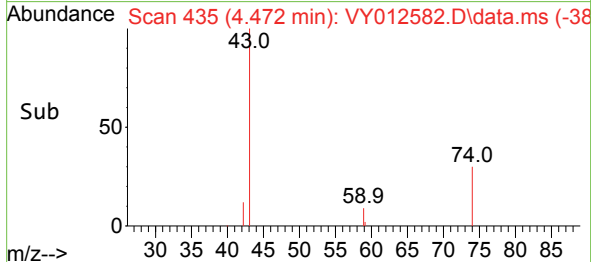
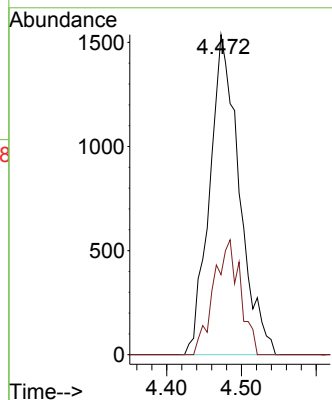
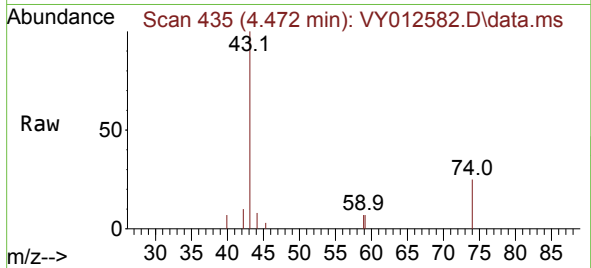




#18
Methyl Acetate
Concen: 3.799 ug/l
RT: 4.472 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

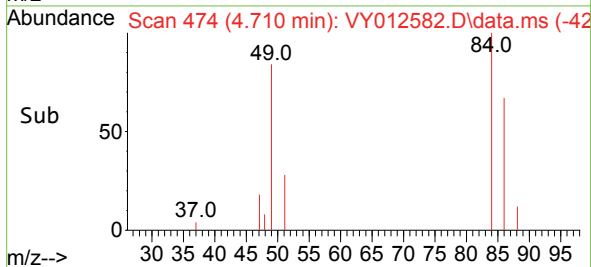
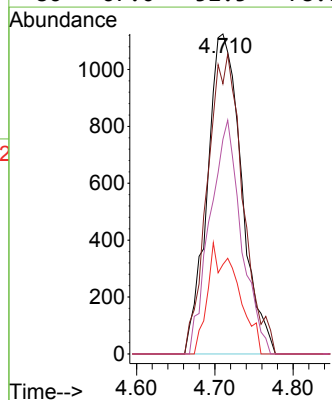
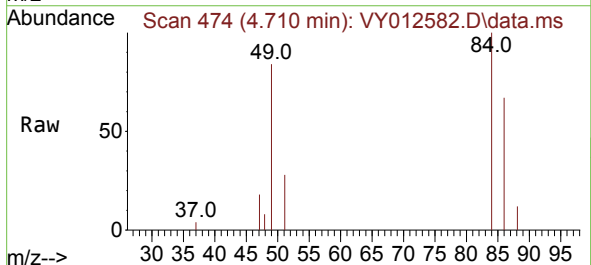
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

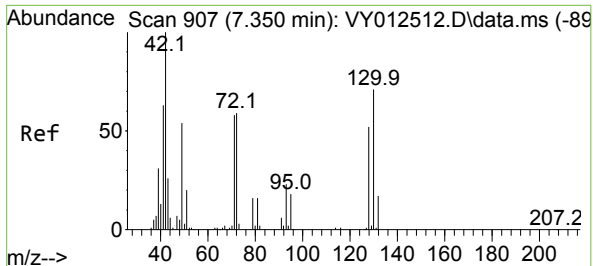
Tgt Ion: 43 Resp: 4261
Ion Ratio Lower Upper
43 100
74 32.0 25.6 38.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

Tgt Ion: 84 Resp: 3420
Ion Ratio Lower Upper
84 100
49 84.4 79.8 119.6
51 27.9 23.4 35.2
86 67.0 52.5 78.7





#29

Tetrahydrofuran

Concen: 5.080 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY012582.D

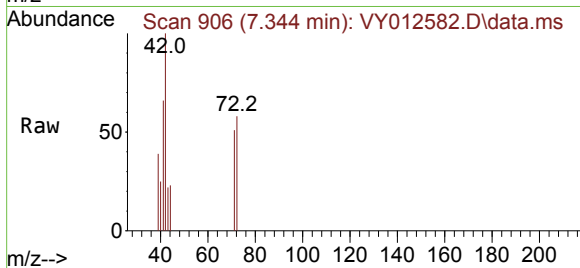
Acq: 14 Feb 2023 12:37

Instrument :

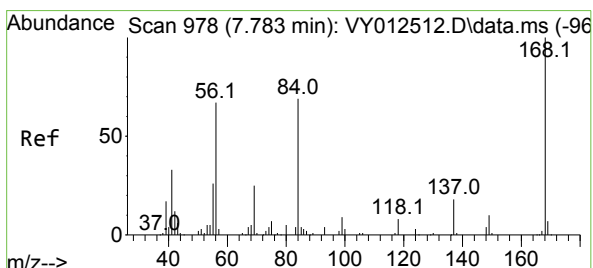
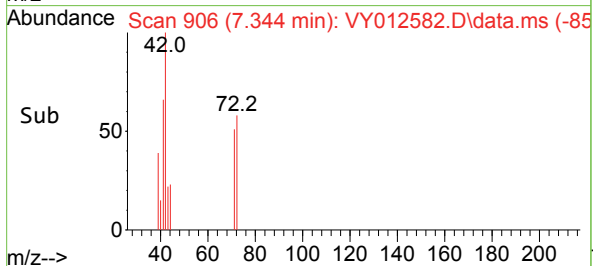
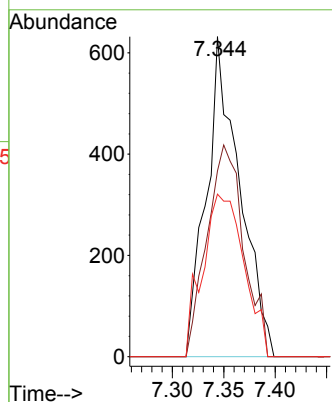
MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-52



Tgt Ion:	42	Resp:	1422
Ion	Ratio	Lower	Upper
42	100		
72	73.2	47.0	70.6#
71	63.1	44.6	66.8



#31

Cyclohexane

Concen: 1.269 ug/l

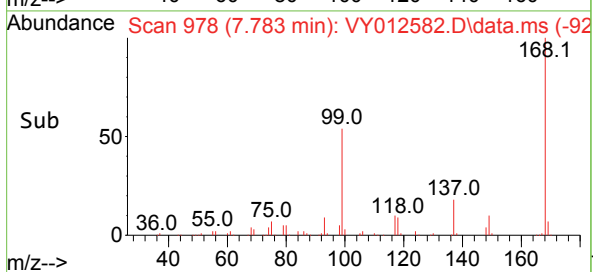
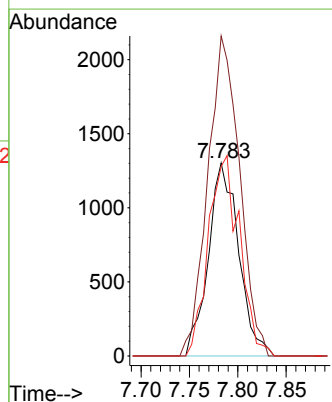
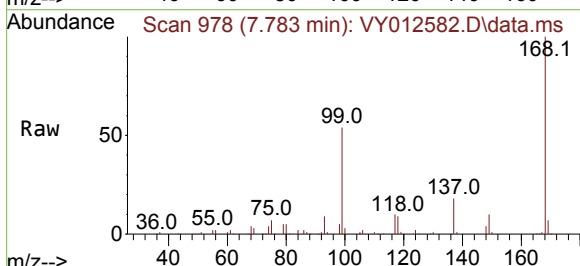
RT: 7.783 min Scan# 978

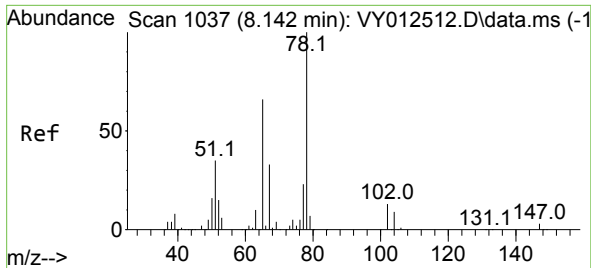
Delta R.T. 0.000 min

Lab File: VY012582.D

Acq: 14 Feb 2023 12:37

Tgt Ion:	56	Resp:	2844
Ion	Ratio	Lower	Upper
56	100		
69	165.9	29.5	44.3#
84	98.2	81.9	122.9

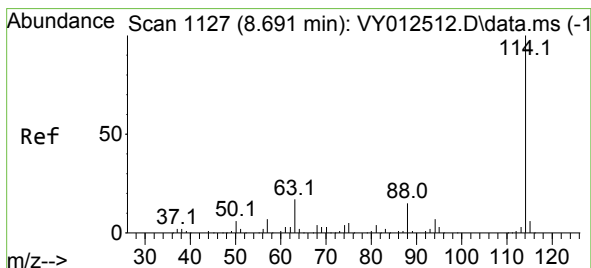
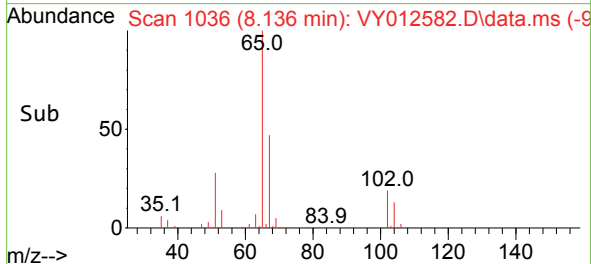
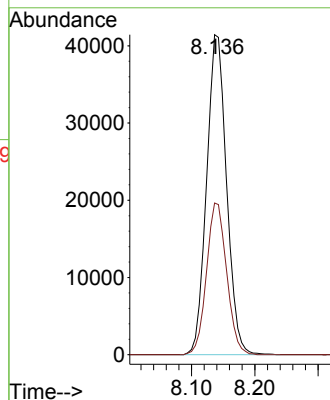
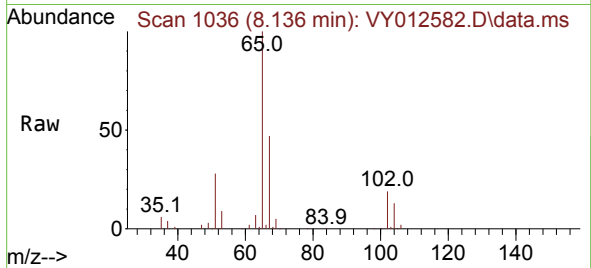




#33
 1,2-Dichloroethane-d4
 Concen: 46.868 ug/l
 RT: 8.136 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: VY012582.D
 Acq: 14 Feb 2023 12:37

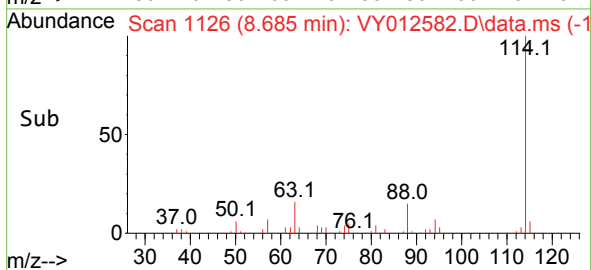
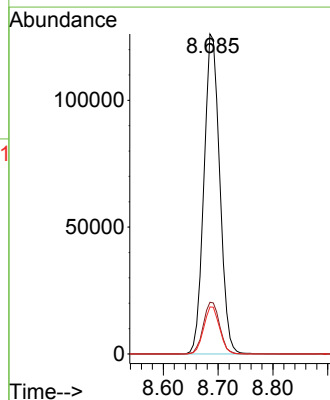
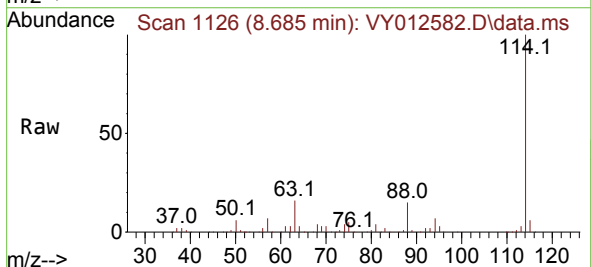
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-52

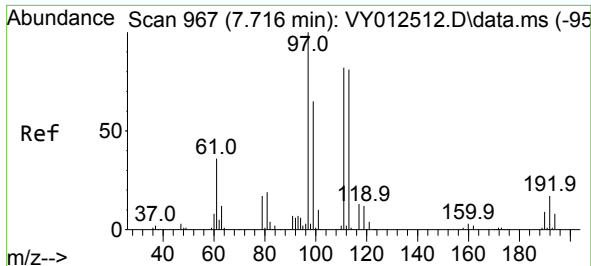
Tgt Ion: 65 Resp: 90870
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY012582.D
 Acq: 14 Feb 2023 12:37

Tgt Ion:114 Resp: 251459
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 33.6
 88 14.7 0.0 29.8

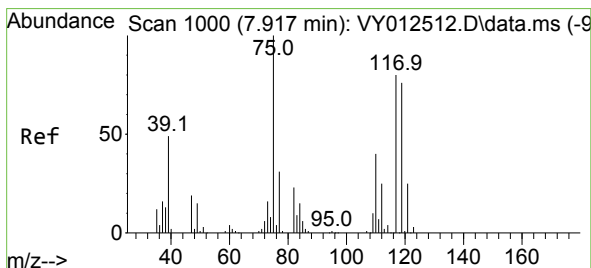
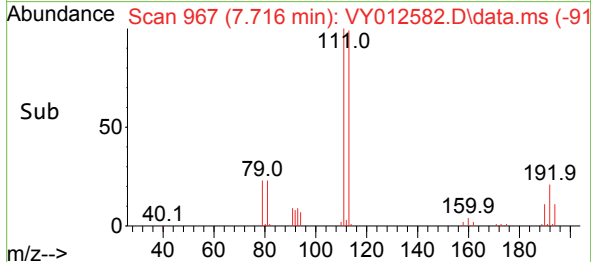
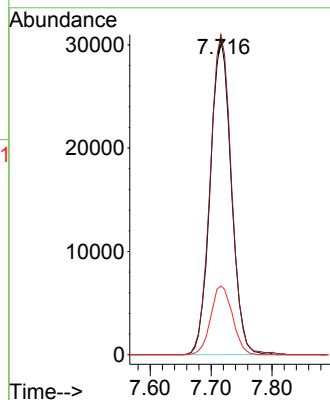
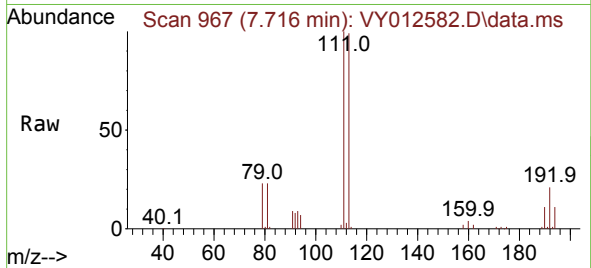




#35
Dibromofluoromethane
Concen: 39.938 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

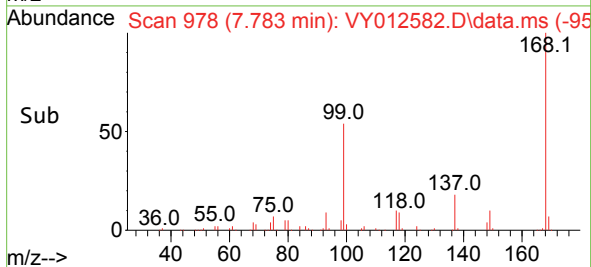
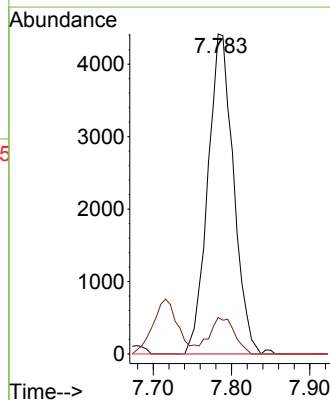
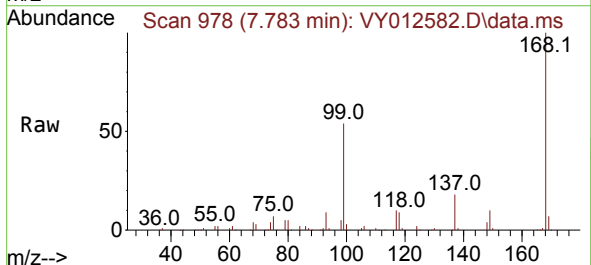
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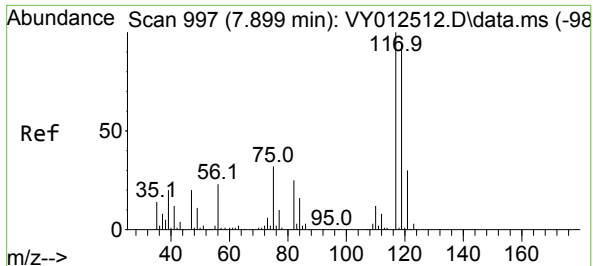
Tgt Ion:113 Resp: 73138
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 22.5 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.072 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

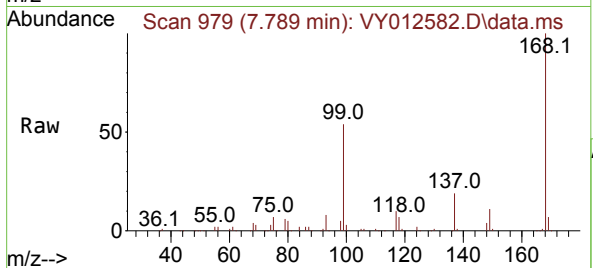
Tgt Ion: 75 Resp: 10093
Ion Ratio Lower Upper
75 100
110 10.8 19.5 58.5#
77 0.0 24.9 37.3#



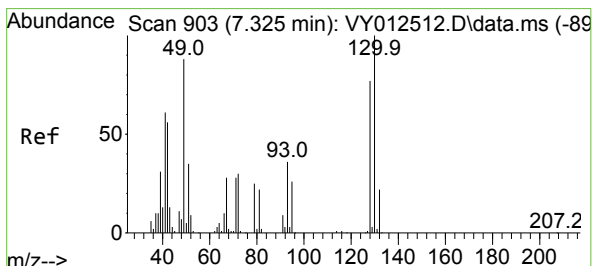
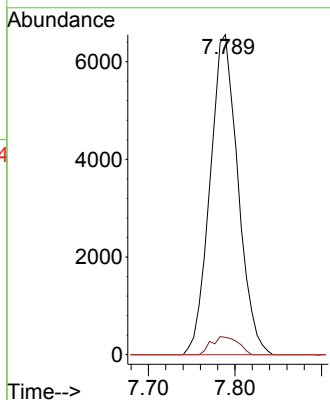
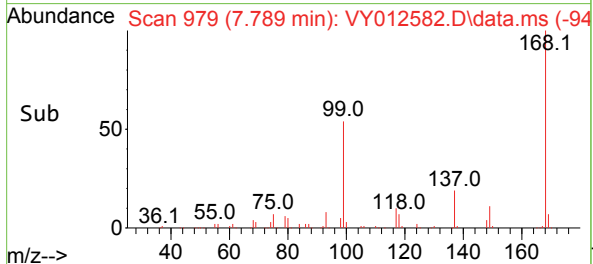


#38
Carbon Tetrachloride
Concen: 4.414 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

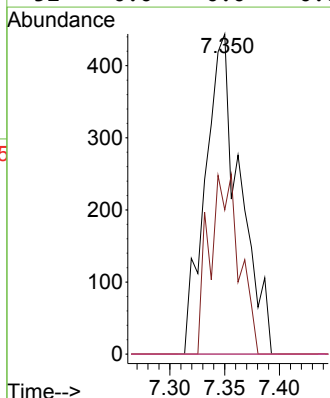
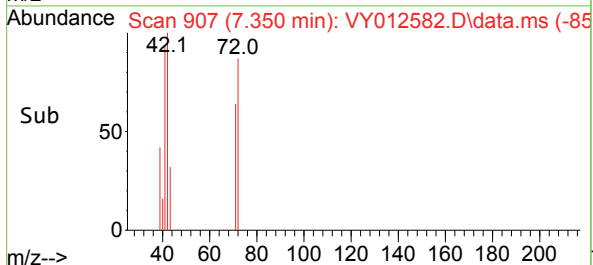
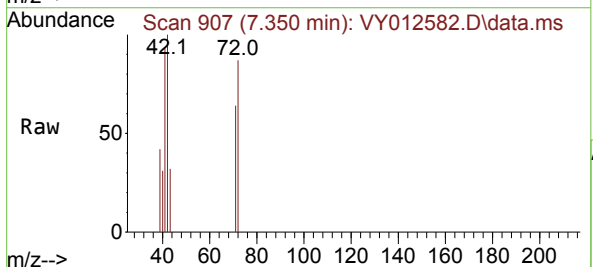


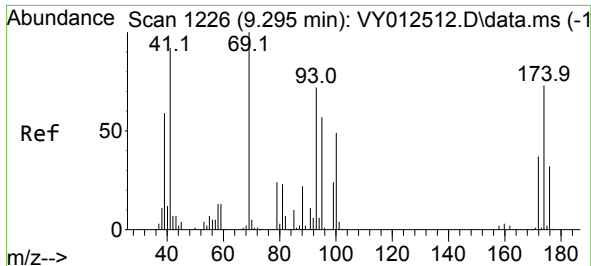
Tgt Ion:117 Resp: 14685
Ion Ratio Lower Upper
117 100
119 5.4 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 1.599 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.024 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

Tgt Ion: 41 Resp: 980
Ion Ratio Lower Upper
41 100
39 48.4 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#49

1,4-Dioxane

Concen: 5.100 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VY012582.D

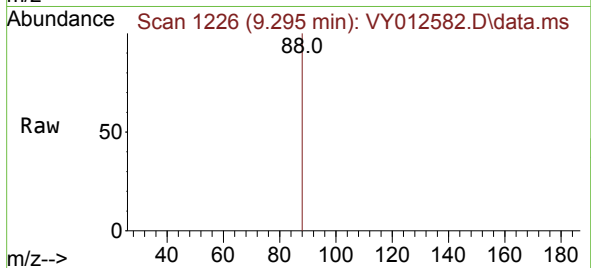
Acq: 14 Feb 2023 12:37

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-52



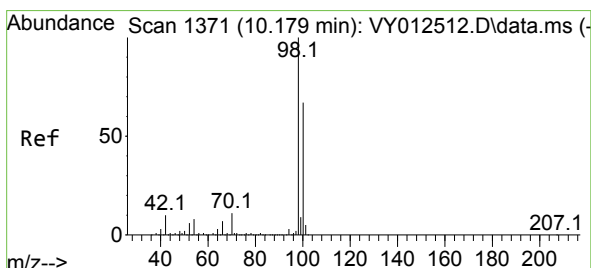
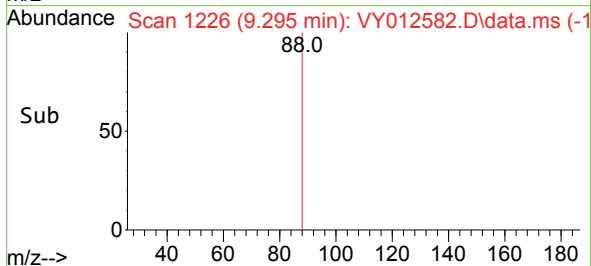
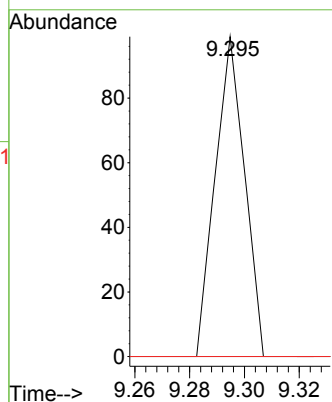
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 22.6 33.8#

58 0.0 45.4 68.0#



#50

Toluene-d8

Concen: 38.439 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012582.D

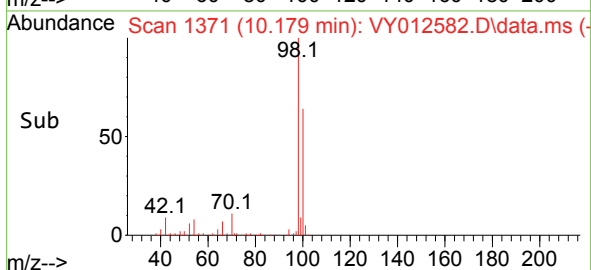
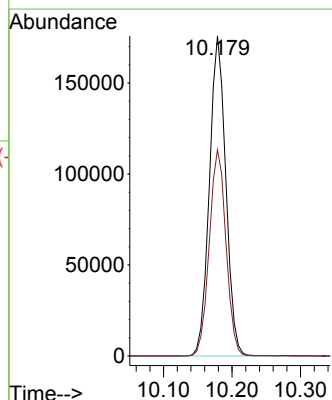
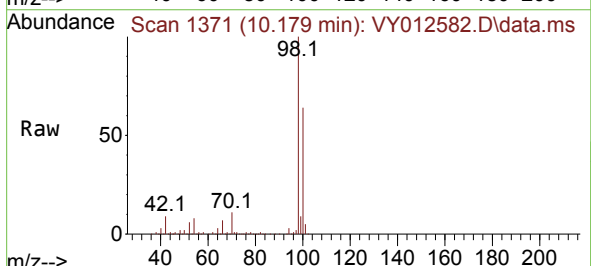
Acq: 14 Feb 2023 12:37

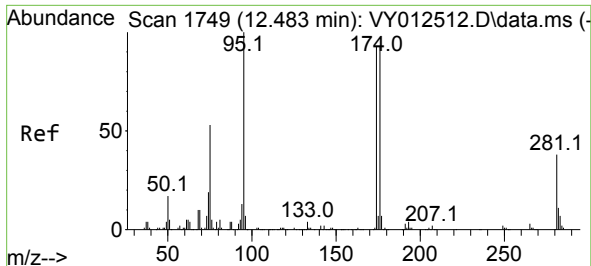
Tgt Ion: 98 Resp: 292993

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2

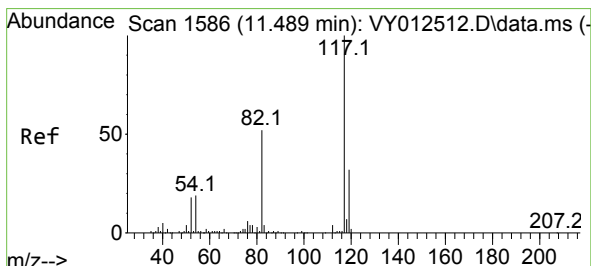
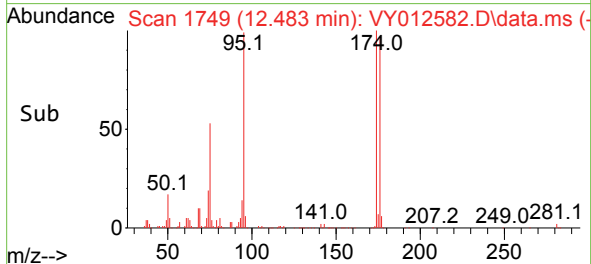
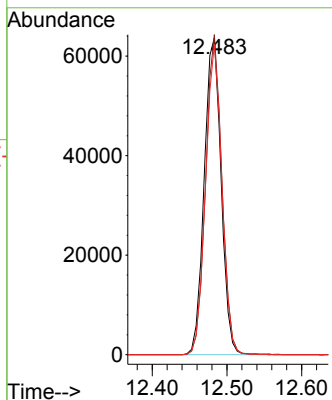
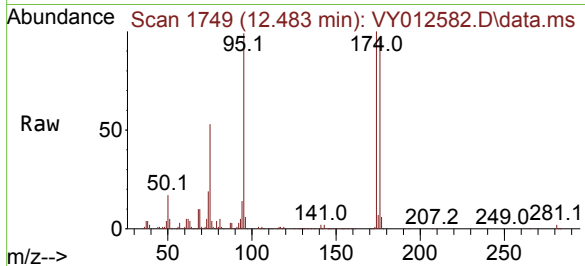




#62
4-Bromofluorobenzene
Concen: 37.492 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

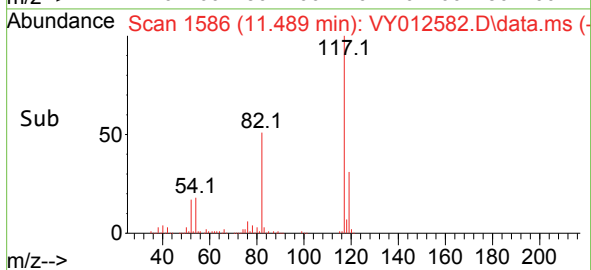
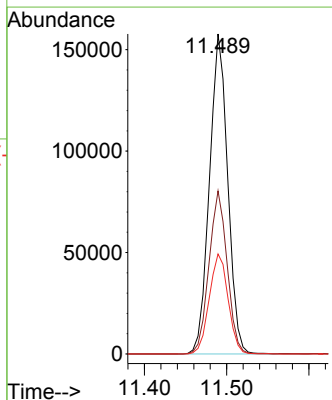
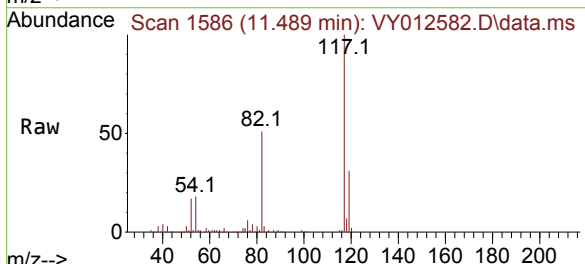
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

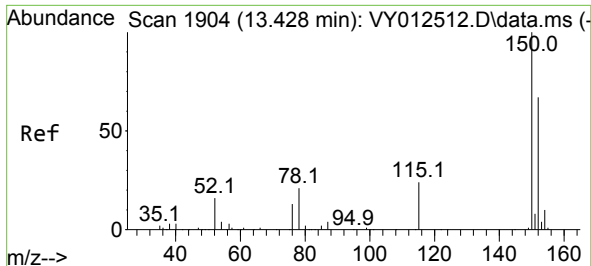
Tgt Ion:	95	Resp:	99679
Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	188.0
176	94.9	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012582.D
Acq: 14 Feb 2023 12:37

Tgt Ion:	117	Resp:	243354
Ion	Ratio	Lower	Upper
117	100		
82	50.9	41.7	62.5
119	31.3	25.8	38.8

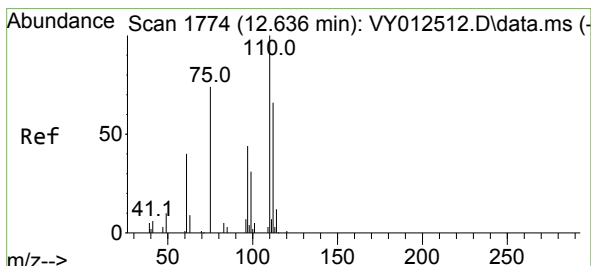
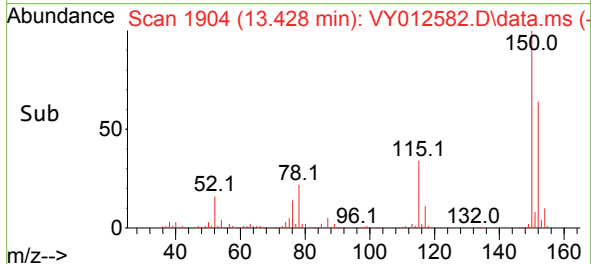
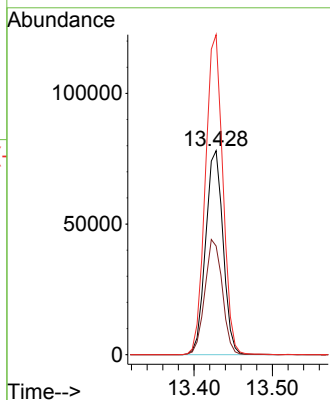
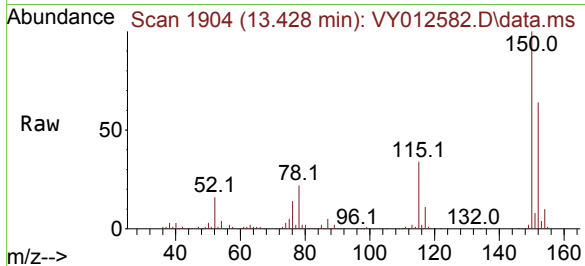




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012582.D
 Acq: 14 Feb 2023 12:37

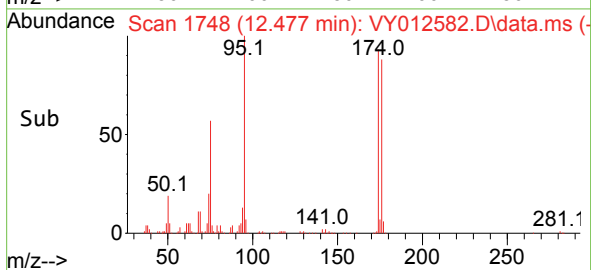
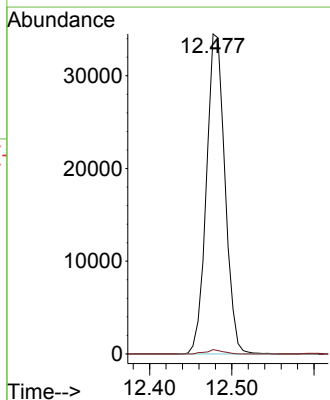
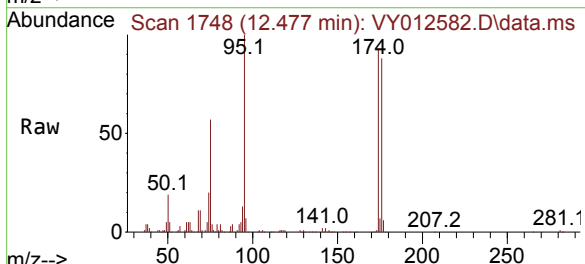
Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-52

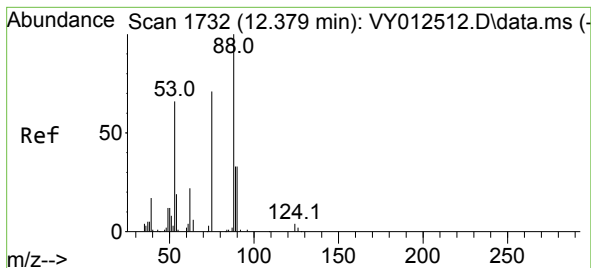
Tgt Ion:152 Resp: 120607
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.1 84.3
 150 157.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 40.106 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY012582.D
 Acq: 14 Feb 2023 12:37

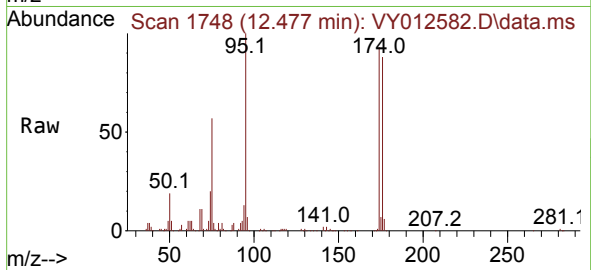
Tgt Ion: 75 Resp: 54041
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.441 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012582.D
 Acq: 14 Feb 2023 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-52



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

