

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014192.D
 Acq On : 15 Jun 2023 16:16
 Operator : KP/MD
 Sample : 03223-12
 Misc : 4.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-05-GRAB-7

Quant Time: Jun 16 02:10:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

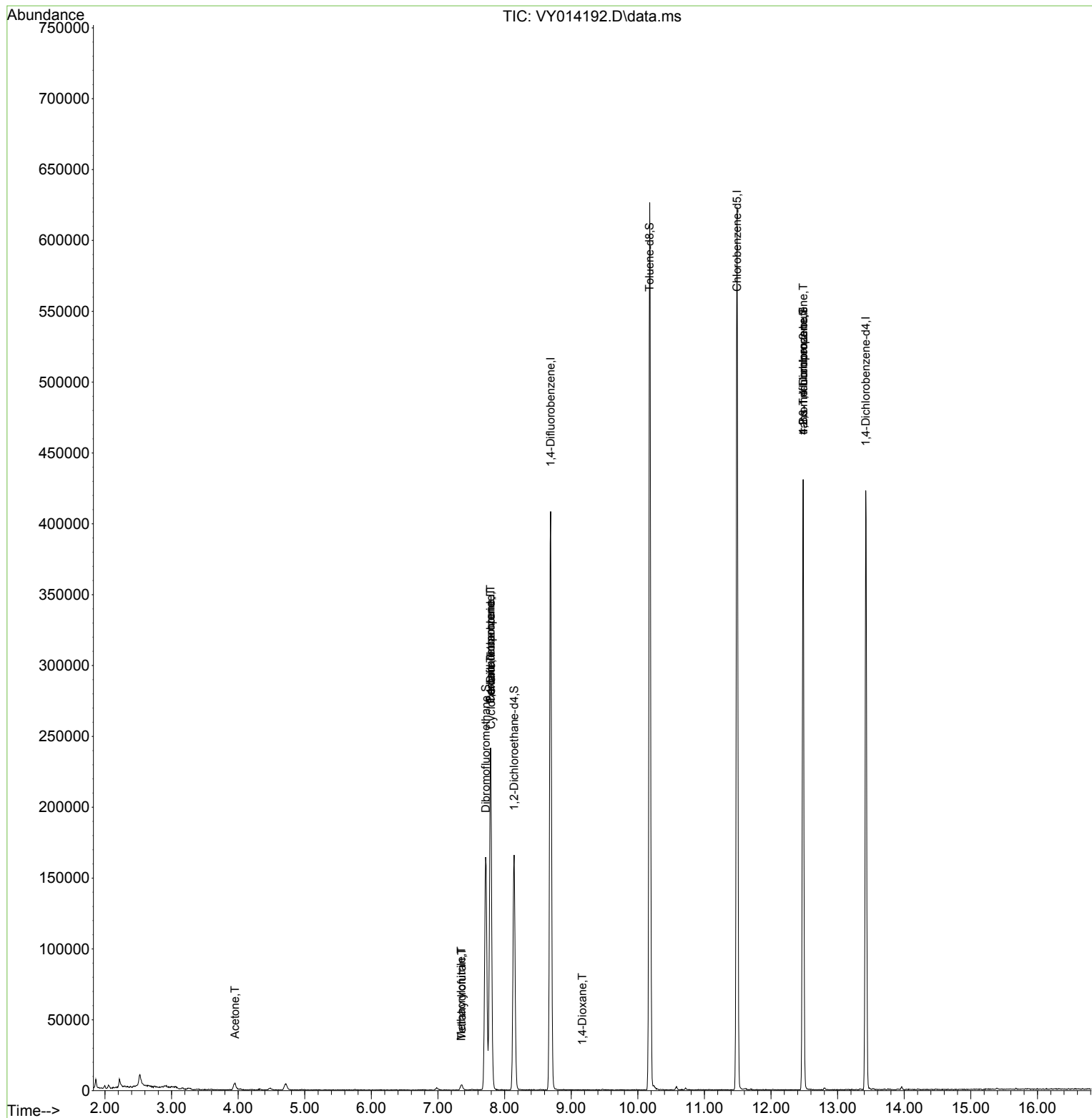
Internal Standards						
1) Pentafluorobenzene	7.789	168	184862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	334441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	321835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	107589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	135630	52.688	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.380%	
35) Dibromofluoromethane	7.716	113	112948	47.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.240%	
50) Toluene-d8	10.179	98	405622	45.744	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.480%	
62) 4-Bromofluorobenzene	12.483	95	117888	37.426	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	664	Below Cal	#	89
16) Acetone	3.954	43	8160	10.516	ug/l	98
20) Methylene Chloride	4.716	84	2979	Below Cal	#	79
29) Tetrahydrofuran	7.356	42	2646	4.369	ug/l	93
31) Cyclohexane	7.795	56	4381	1.270	ug/l	# 38
36) 1,1-Dichloropropene	7.789	75	14079	3.808	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	18386	4.309	ug/l	# 17
41) Methacrylonitrile	7.350	41	1904	1.462	ug/l	# 45
49) 1,4-Dioxane	9.167	88	55	2.518	ug/l	# 36
76) 1,2,3-Trichloropropane	12.483	75	65953	46.724	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	65953	100.999	ug/l	# 11

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

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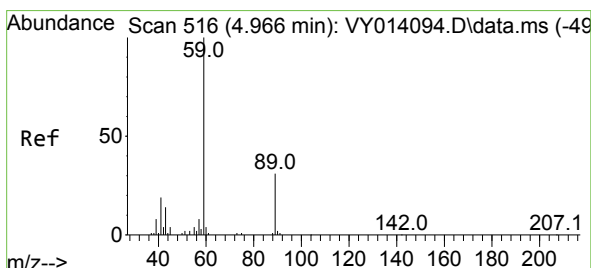
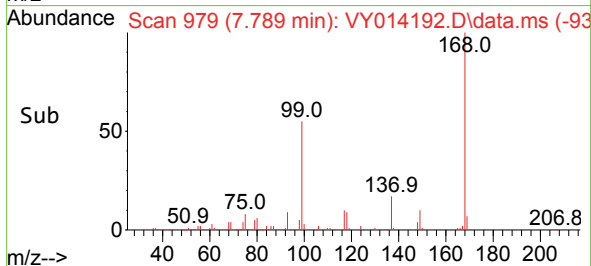
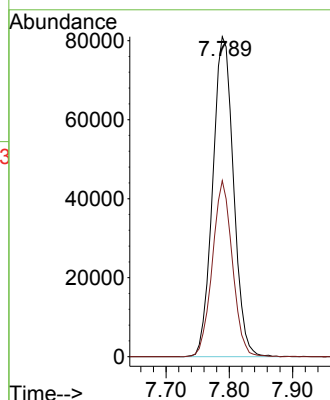
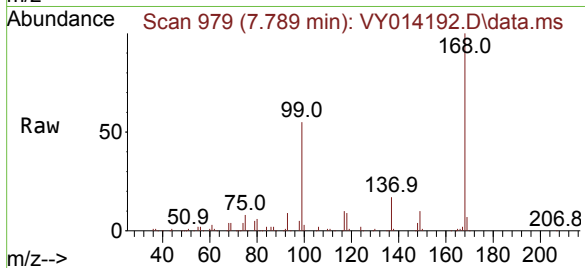




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

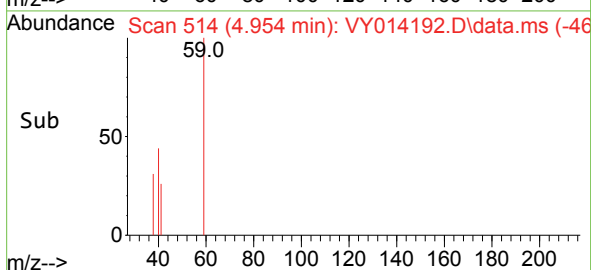
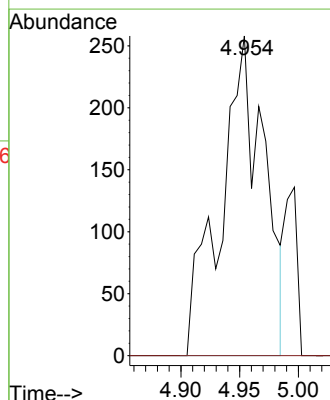
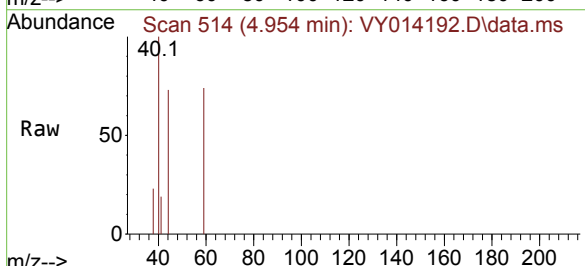
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-7

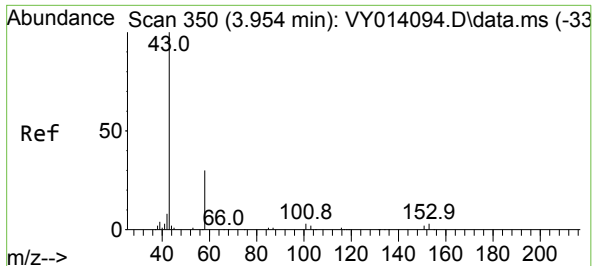
Tgt Ion:168 Resp: 184862
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

Tgt Ion: 59 Resp: 664
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

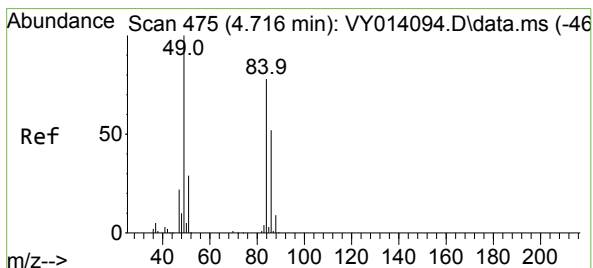
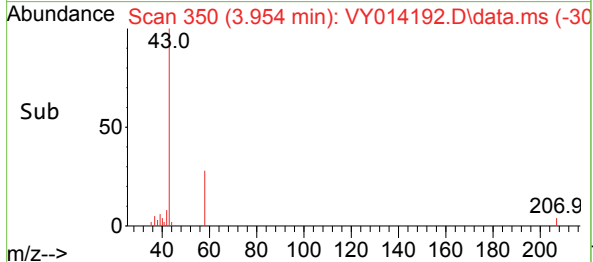
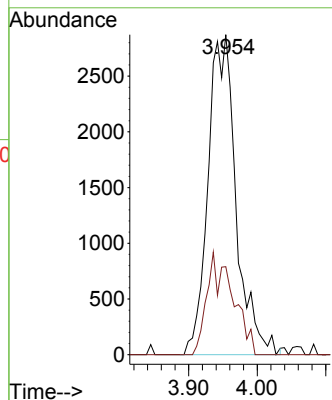
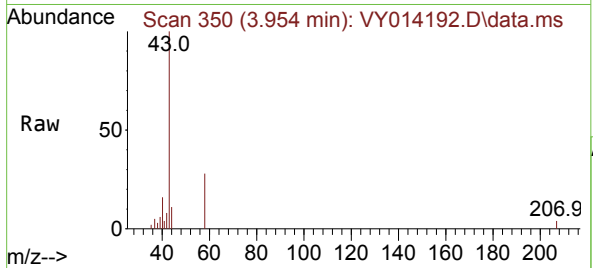




#16
Acetone
Concen: 10.516 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

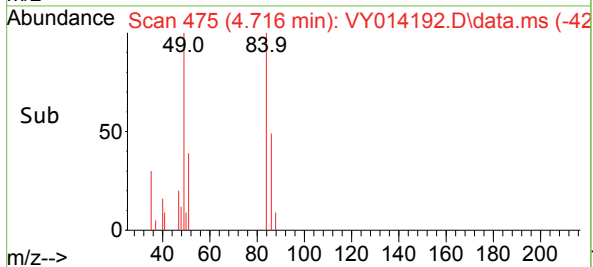
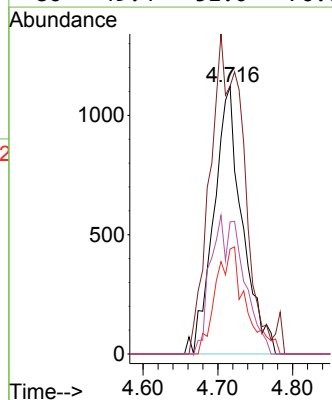
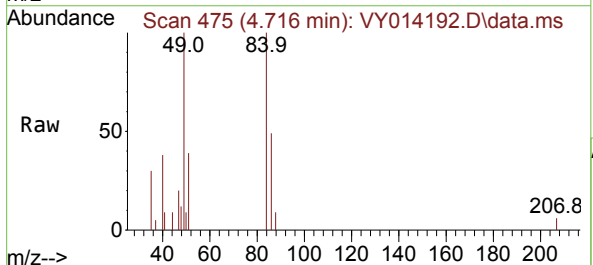
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-7

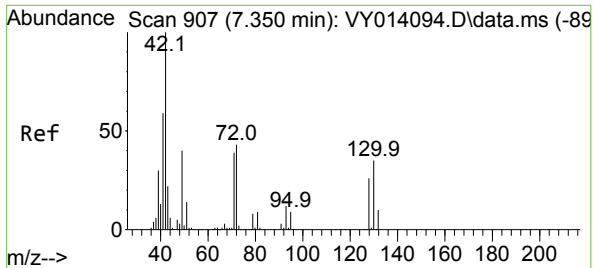
Tgt Ion: 43 Resp: 8160
Ion Ratio Lower Upper
43 100
58 27.5 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

Tgt Ion: 84 Resp: 2979
Ion Ratio Lower Upper
84 100
49 100.2 106.9 160.3#
51 39.3 33.2 49.8
86 49.4 51.0 76.6#





#29

Tetrahydrofuran

Concen: 4.369 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014192.D

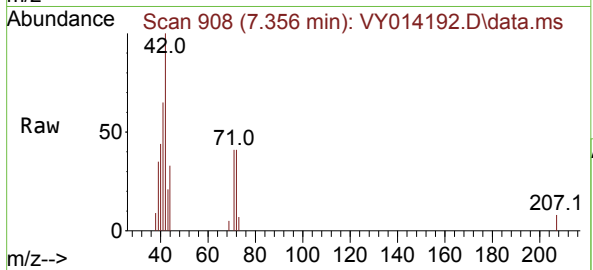
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-7



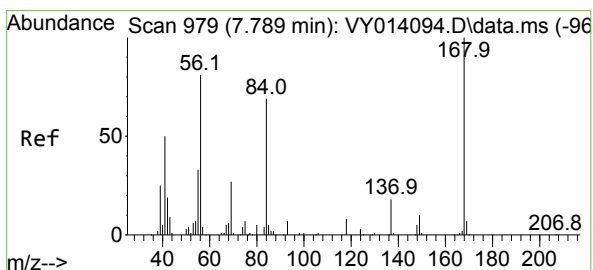
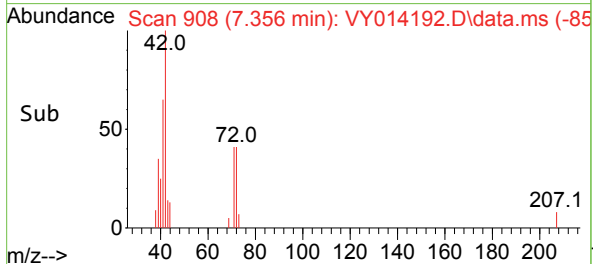
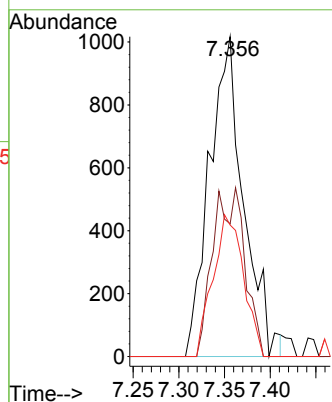
Tgt Ion: 42 Resp: 2646

Ion Ratio Lower Upper

42 100

72 48.8 32.8 49.2

71 39.5 31.0 46.4



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014192.D

Acq: 15 Jun 2023 16:16

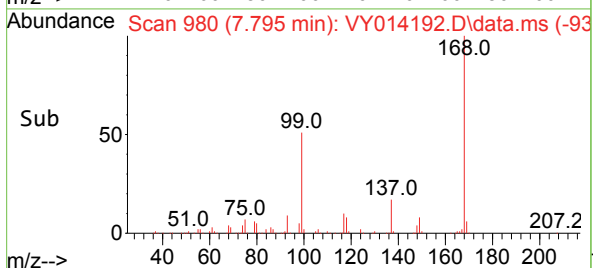
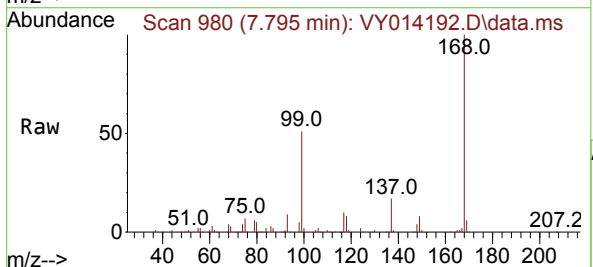
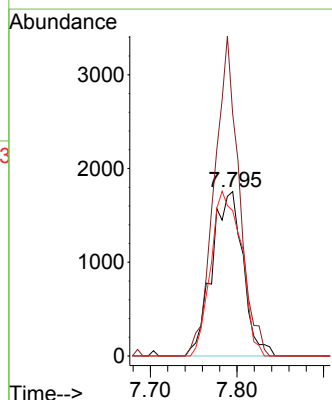
Tgt Ion: 56 Resp: 4381

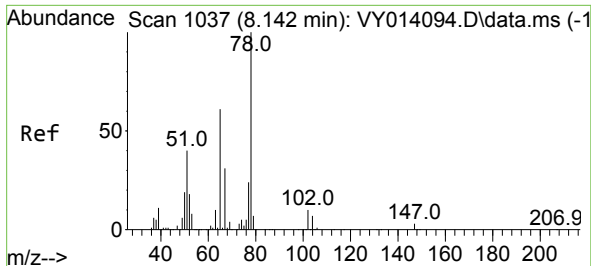
Ion Ratio Lower Upper

56 100

69 147.2 27.8 41.6#

84 88.4 66.4 99.6

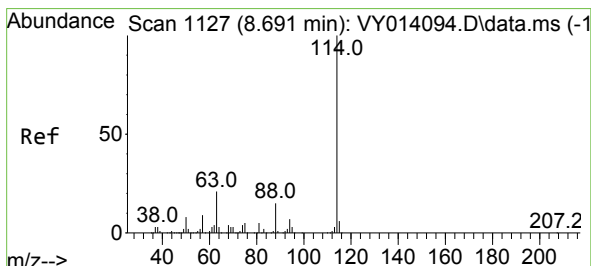
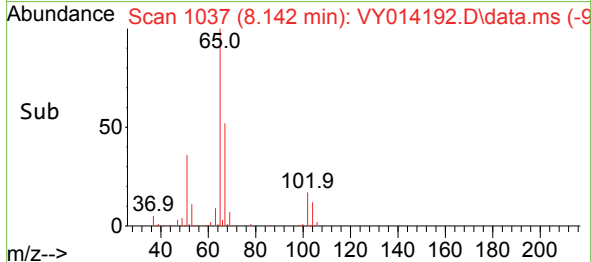
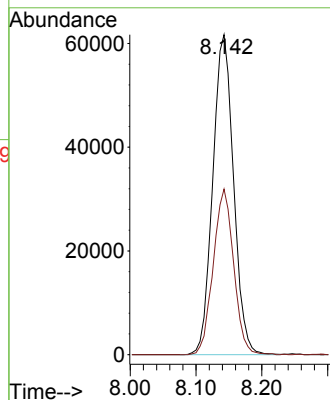
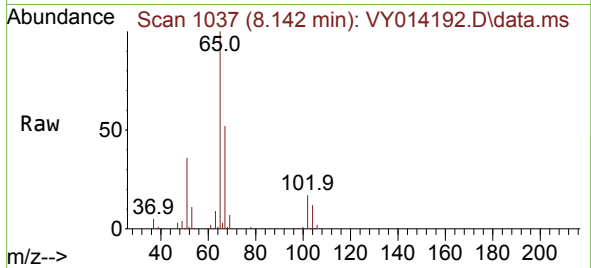




#33
 1,2-Dichloroethane-d4
 Concen: 52.688 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY014192.D
 Acq: 15 Jun 2023 16:16

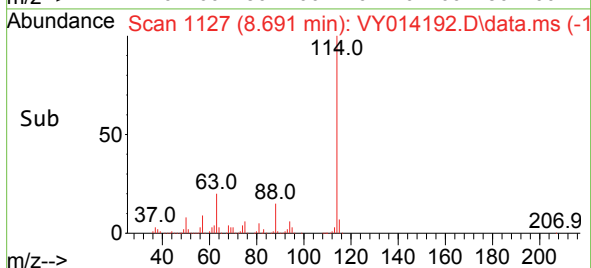
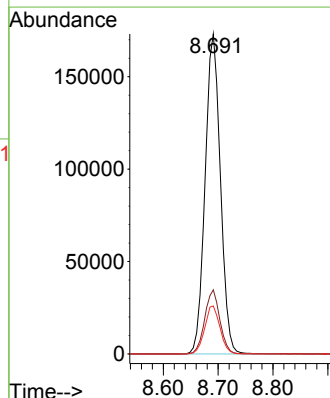
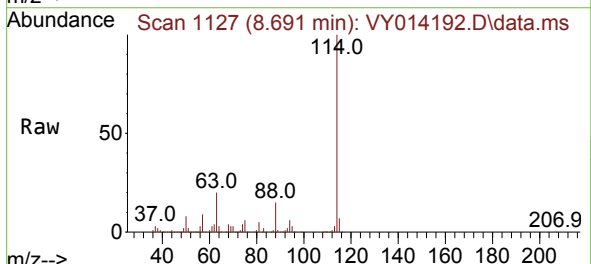
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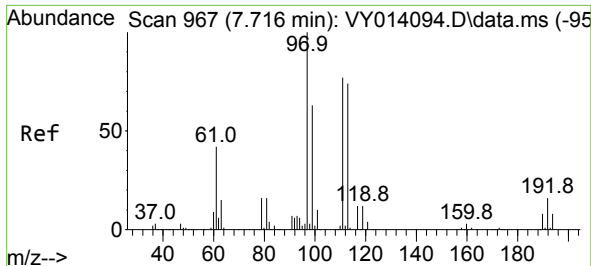
Tgt Ion: 65 Resp: 135630
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014192.D
 Acq: 15 Jun 2023 16:16

Tgt Ion: 114 Resp: 334441
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.0 0.0 30.6

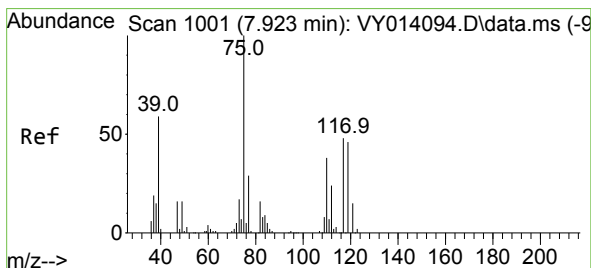
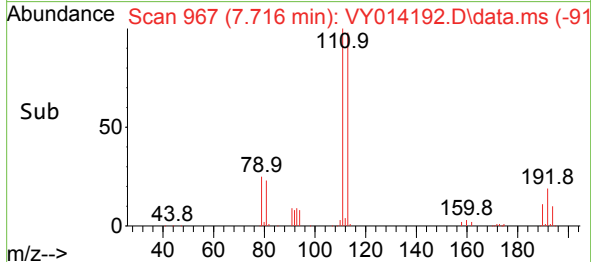
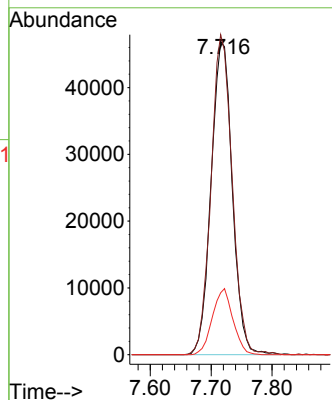
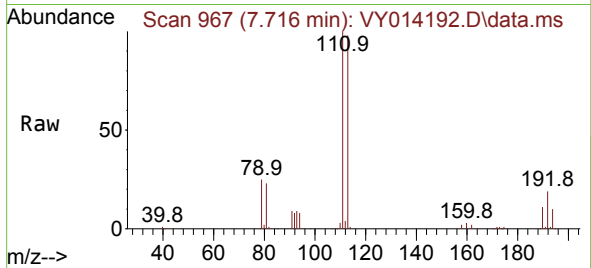




#35
Dibromofluoromethane
Concen: 47.622 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

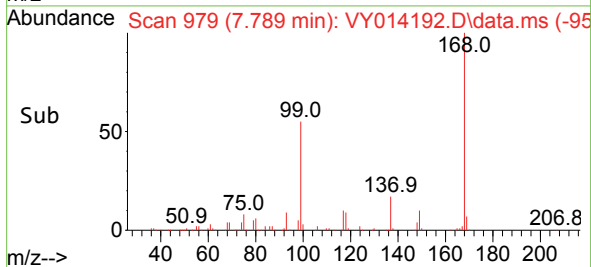
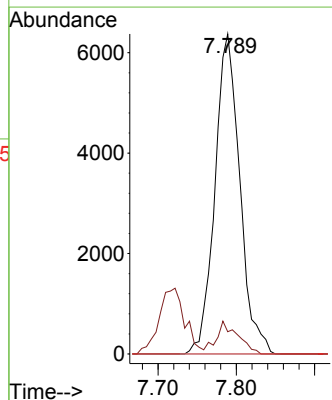
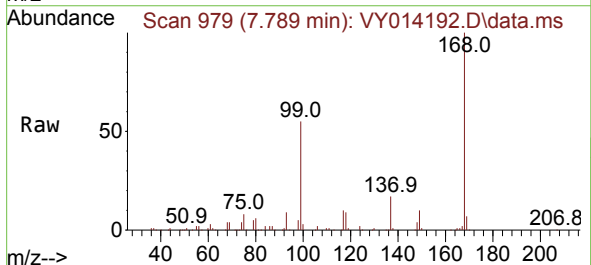
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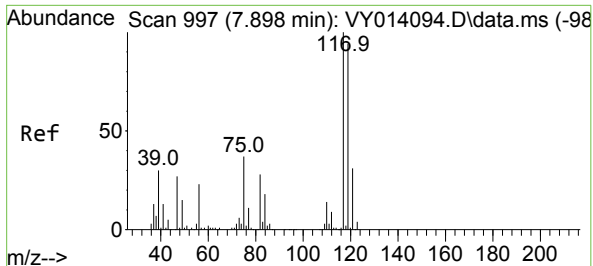
Tgt Ion:113 Resp: 112948
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.808 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

Tgt Ion: 75 Resp: 14079
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#

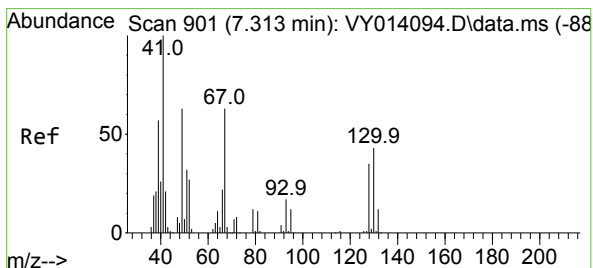
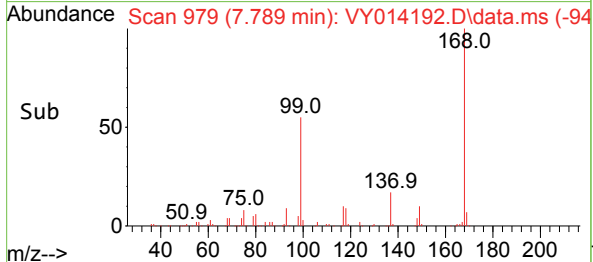
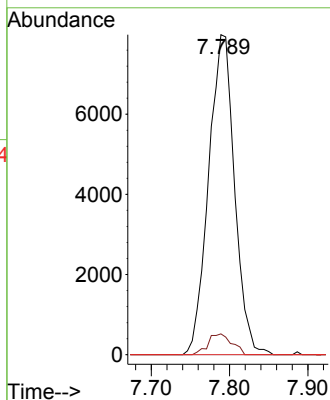
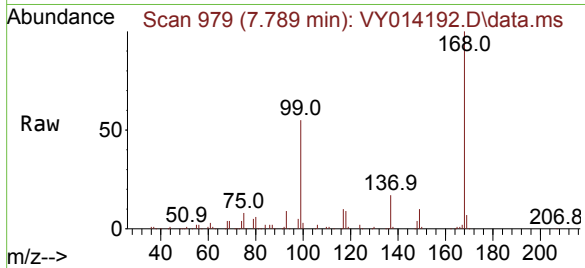




#38
Carbon Tetrachloride
Concen: 4.309 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

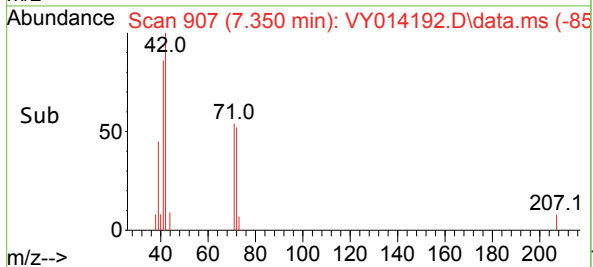
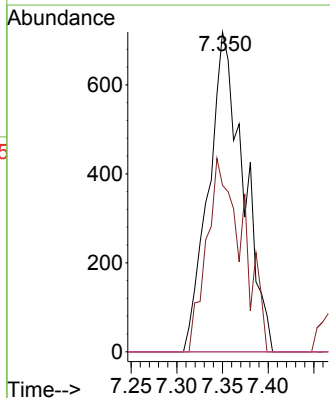
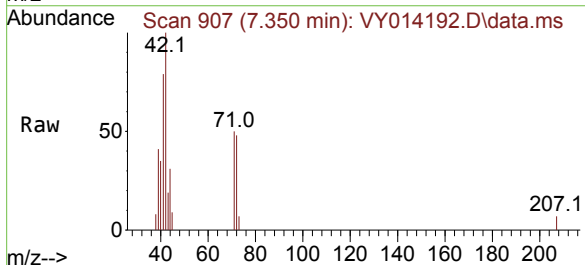
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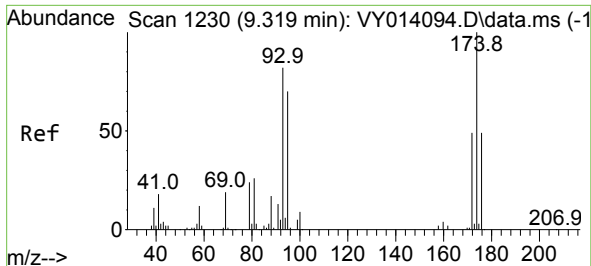
Tgt Ion:117 Resp: 18386
Ion Ratio Lower Upper
117 100
119 6.5 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.462 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

Tgt Ion: 41 Resp: 1904
Ion Ratio Lower Upper
41 100
39 62.3 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#49

1,4-Dioxane

Concen: 2.518 ug/l

RT: 9.167 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY014192.D

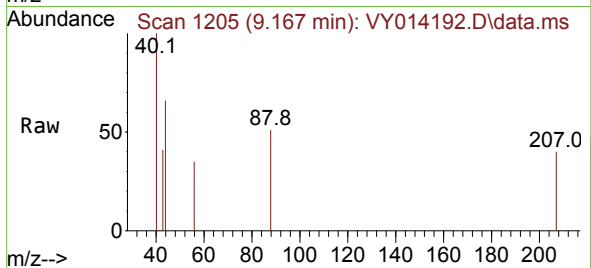
Acq: 15 Jun 2023 16:16

Instrument :

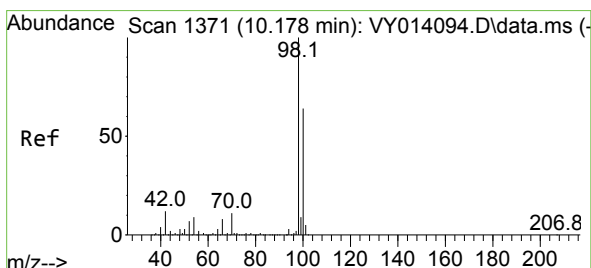
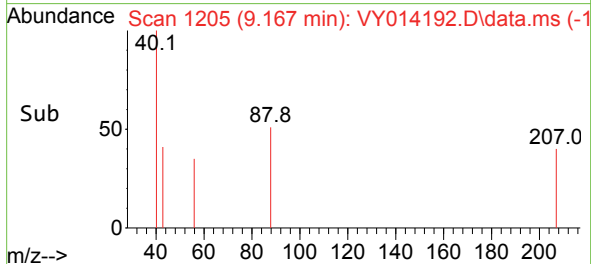
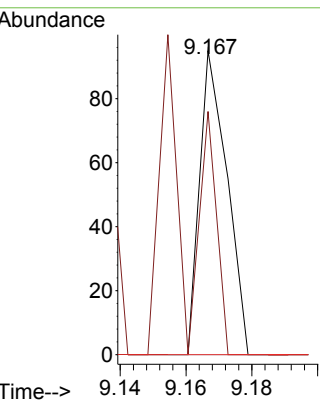
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-7



Tgt Ion:	88	Resp:	55
Ion	Ratio	Lower	Upper
88	100		
43	116.4	0.0	0.0#
58	0.0	30.9	46.3#



#50

Toluene-d8

Concen: 45.744 ug/l

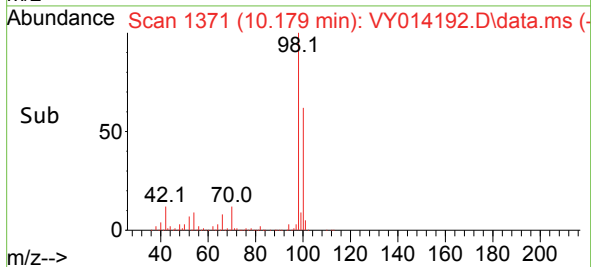
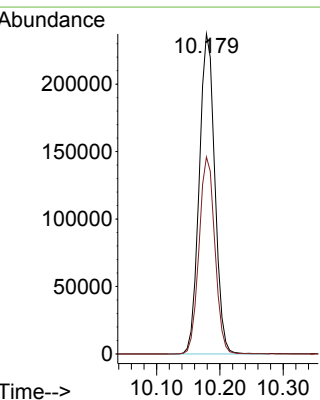
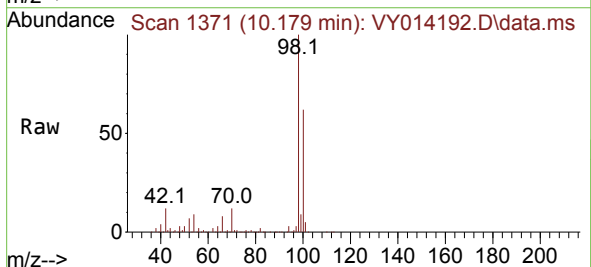
RT: 10.179 min Scan# 1371

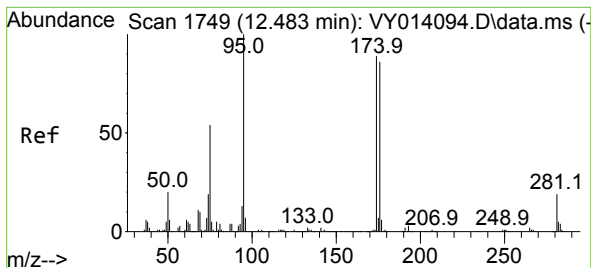
Delta R.T. 0.001 min

Lab File: VY014192.D

Acq: 15 Jun 2023 16:16

Tgt Ion:	98	Resp:	405622
Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.1	75.1

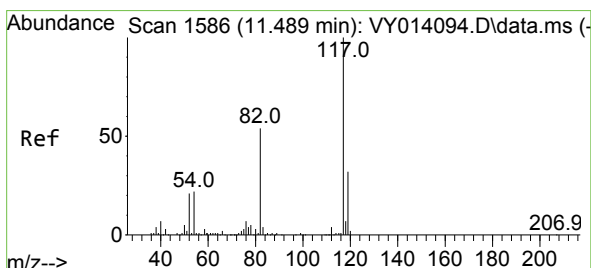
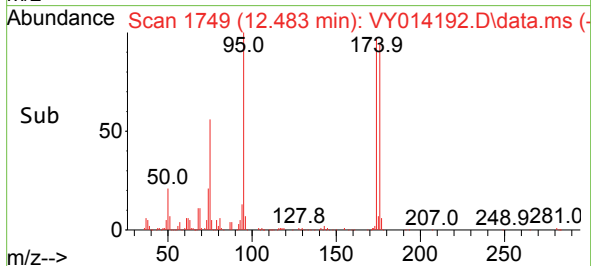
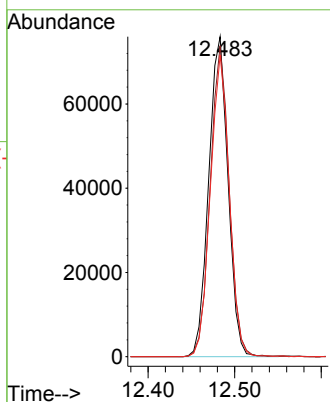
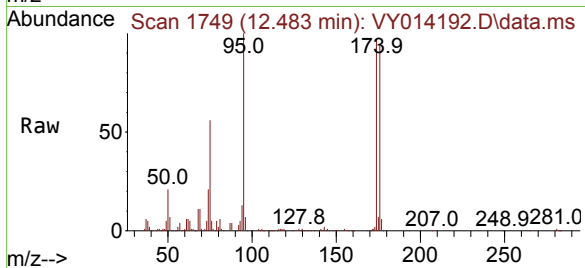




#62
4-Bromofluorobenzene
Concen: 37.426 ug/l
RT: 12.483 min Scan# 117888
Delta R.T. 0.000 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

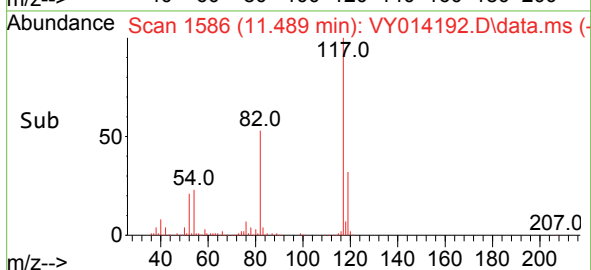
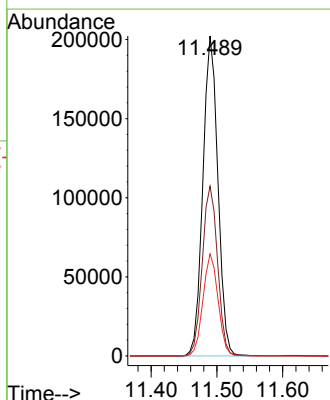
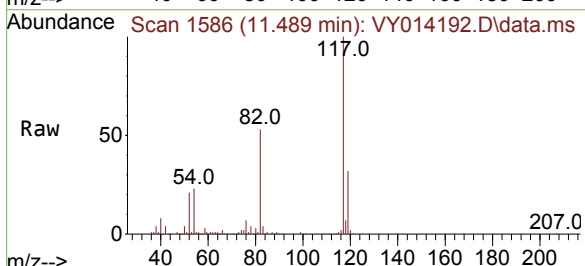
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-05-GRAB-7

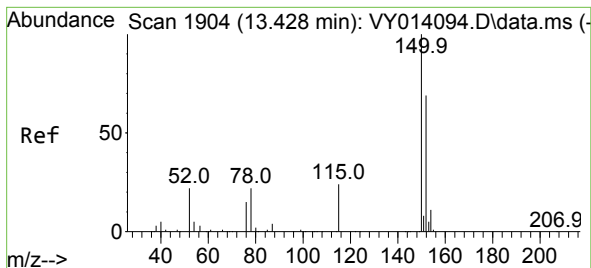
Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	178.2
176	92.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014192.D
Acq: 15 Jun 2023 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.4	65.0
119	31.9	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014192.D

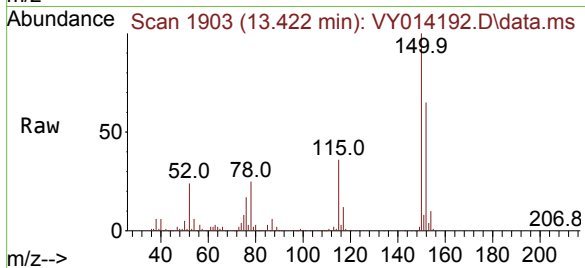
Acq: 15 Jun 2023 16:16

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-05-GRAB-7



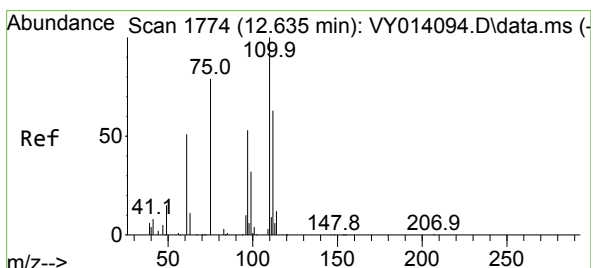
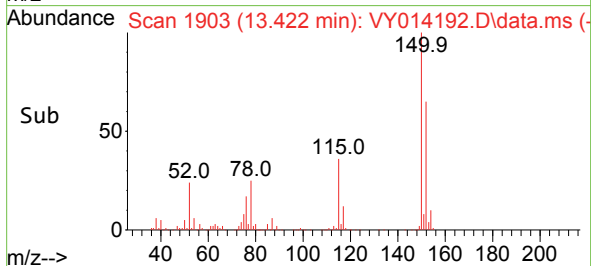
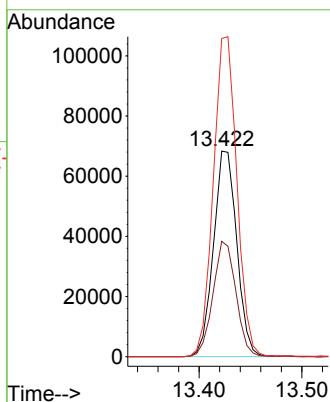
Tgt Ion:152 Resp: 107589

Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 157.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 46.724 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014192.D

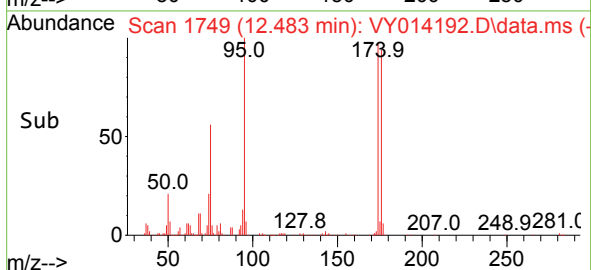
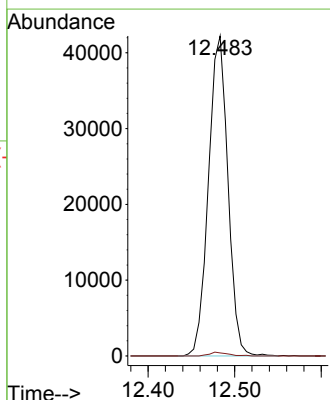
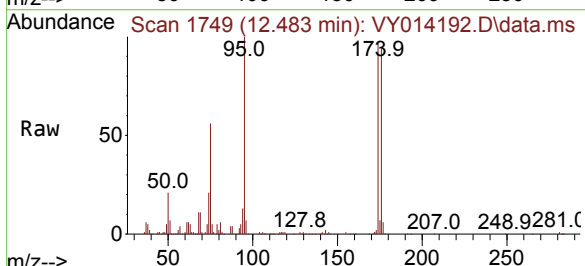
Acq: 15 Jun 2023 16:16

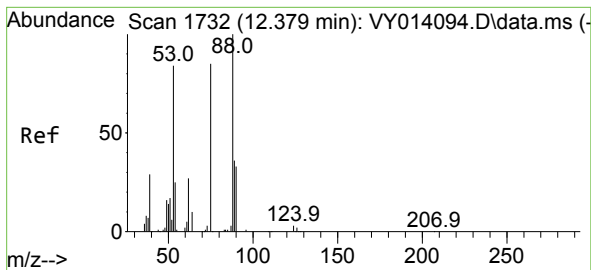
Tgt Ion: 75 Resp: 65953

Ion Ratio Lower Upper

75 100

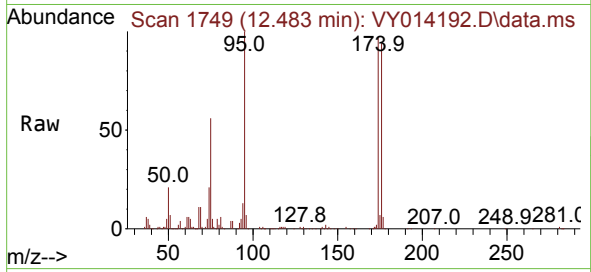
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.999 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014192.D
 Acq: 15 Jun 2023 16:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-05-GRAB-7



Tgt Ion: 75 Resp: 65953
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

