

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014224.D
 Acq On : 16 Jun 2023 23:25
 Operator : KP/MD
 Sample : 03223-24
 Misc : 14.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-03-GRAB-7

Quant Time: Jun 17 01:52:45 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)

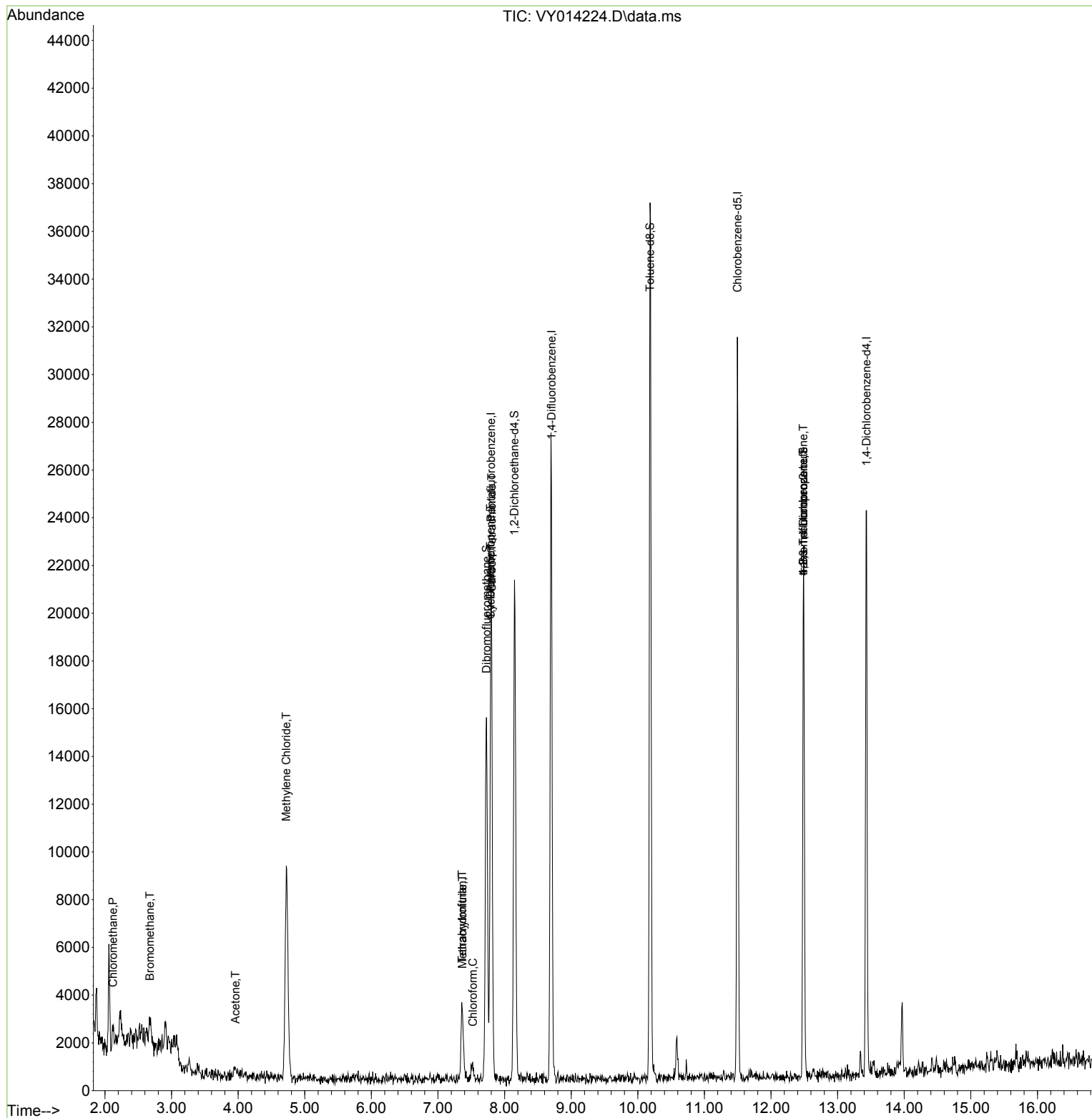
Internal Standards						
1) Pentafluorobenzene	7.795	168	16768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	22474	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	16471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	6686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	17953	76.887	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.780%	
35) Dibromofluoromethane	7.728	113	10013	62.824	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.640%	
50) Toluene-d8	10.185	98	25510	42.812	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.620%	
62) 4-Bromofluorobenzene	12.483	95	6073	28.691	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 57.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	870	3.672	ug/l	92
5) Bromomethane	2.674	94	343	1.805	ug/l #	76
11) Tert butyl alcohol	4.966	59	70	Below Cal	#	89
16) Acetone	3.960	43	591	8.397	ug/l	96
20) Methylene Chloride	4.722	84	6378	26.715	ug/l #	89
29) Tetrahydrofuran	7.362	42	2363	43.012	ug/l	96
30) Chloroform	7.527	83	540	1.329	ug/l	97
31) Cyclohexane	7.789	56	438	1.400	ug/l #	50
36) 1,1-Dichloropropene	7.789	75	1386	5.578	ug/l #	44
38) Carbon Tetrachloride	7.807	117	1836	6.403	ug/l #	12
41) Methacrylonitrile	7.368	41	1509	17.246	ug/l #	44
76) 1,2,3-Trichloropropane	12.483	75	3250	37.050	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3250	80.088	ug/l #	11

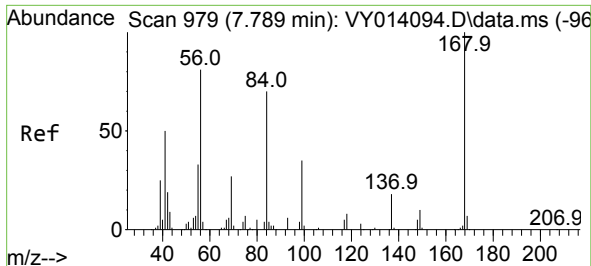
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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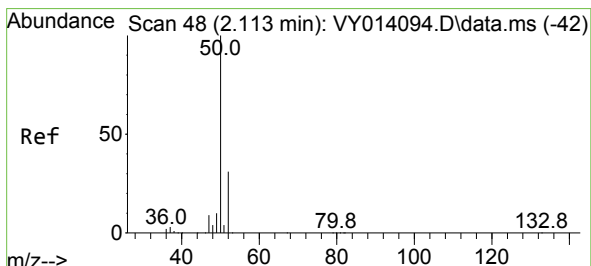
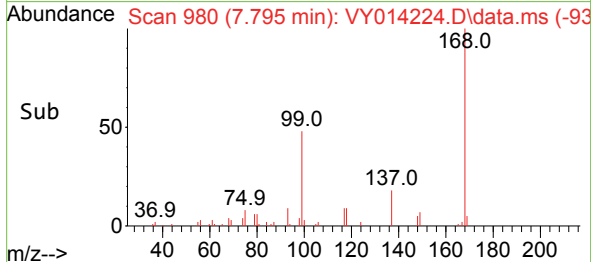
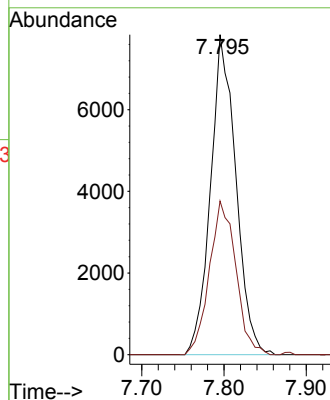
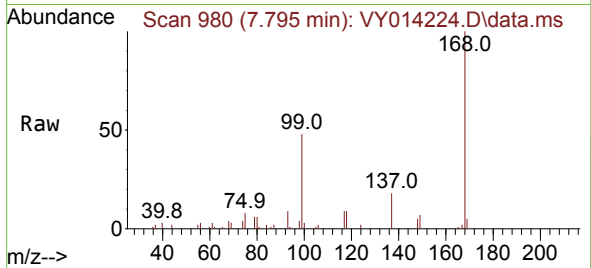




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

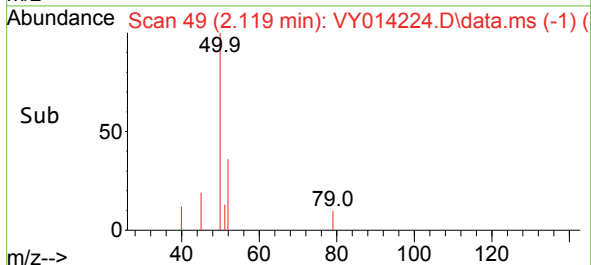
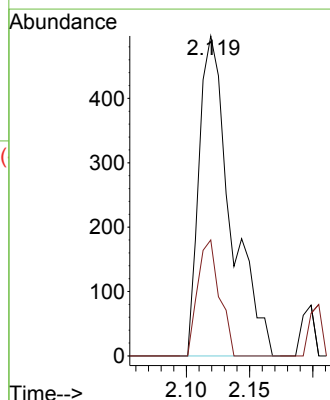
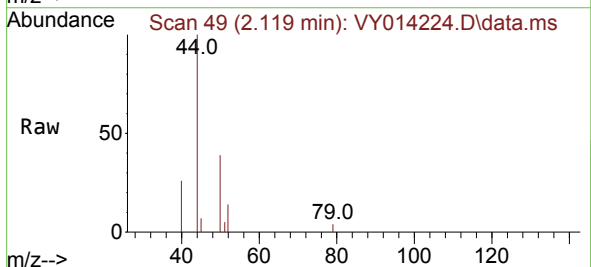
Instrument :
MSVOA_Y
ClientSampleId :
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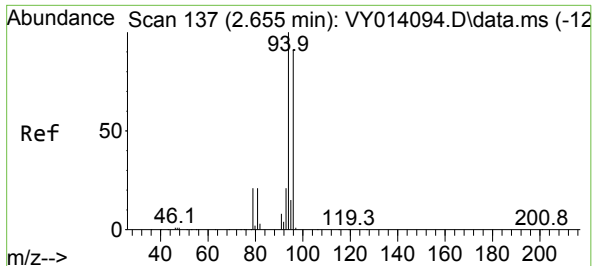
Tgt Ion:168 Resp: 16768
Ion Ratio Lower Upper
168 100
99 48.0 43.4 65.0



#3
Chloromethane
Concen: 3.672 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion: 50 Resp: 870
Ion Ratio Lower Upper
50 100
52 36.2 25.4 38.2

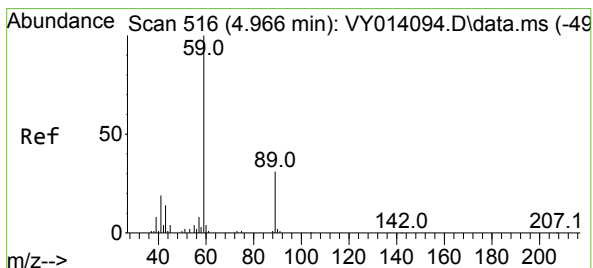
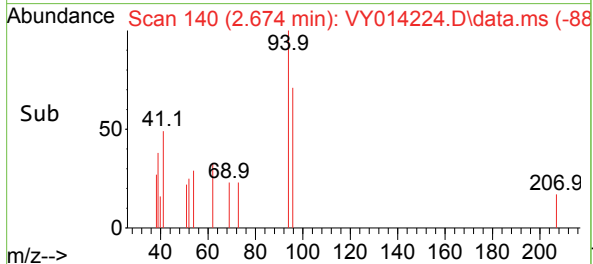
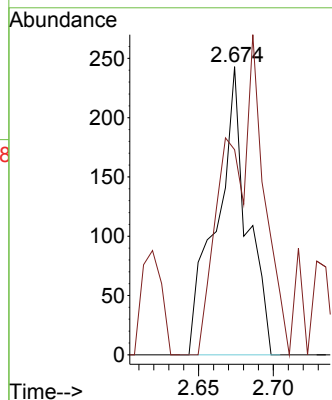
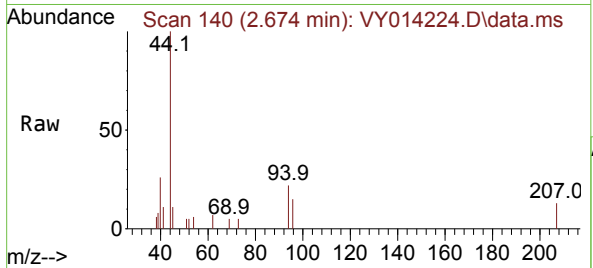




#5
Bromomethane
Concen: 1.805 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.019 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

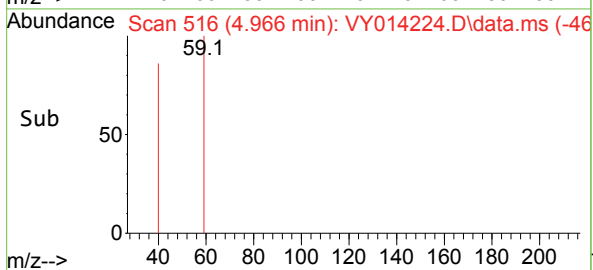
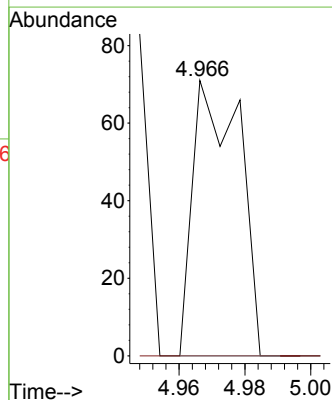
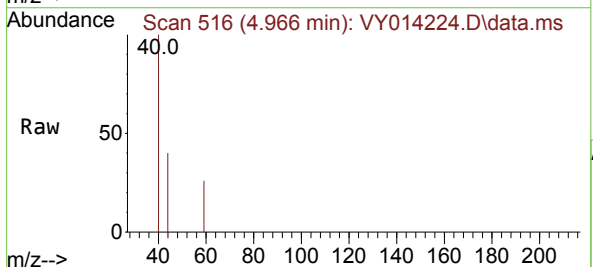
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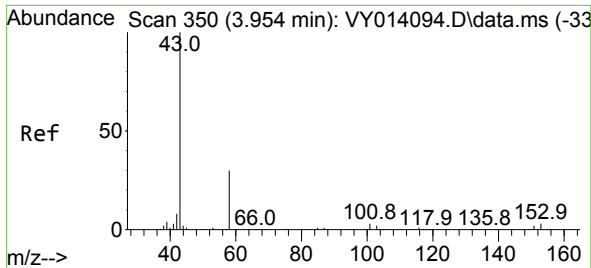
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 71.2 75.8 113.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

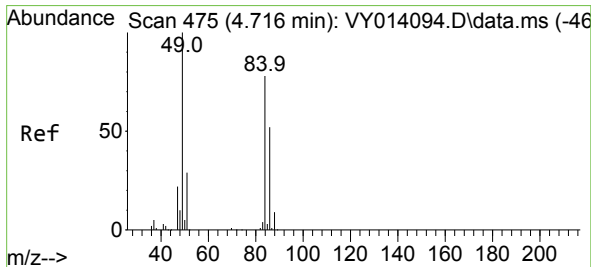
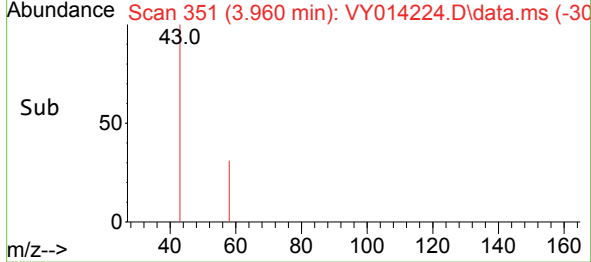
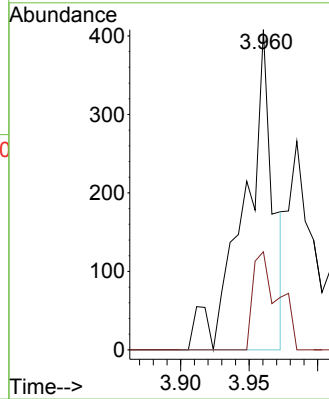
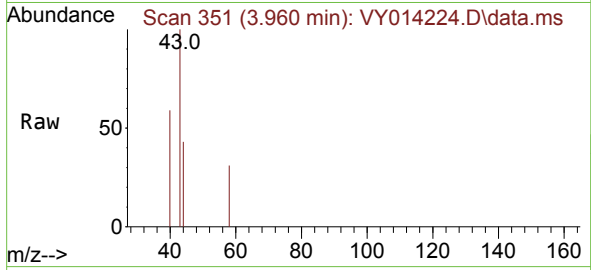




#16
Acetone
Concen: 8.397 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

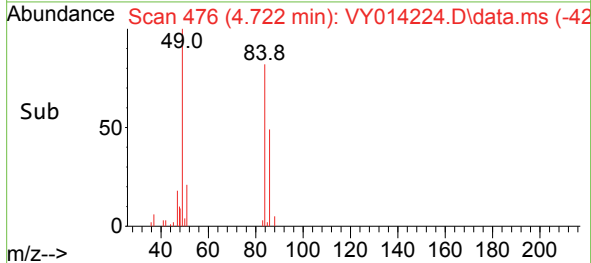
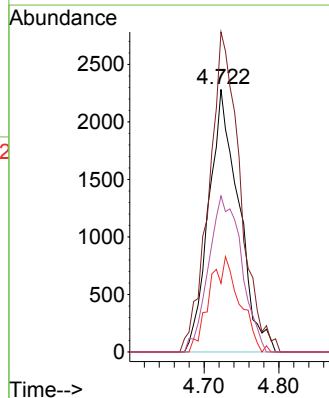
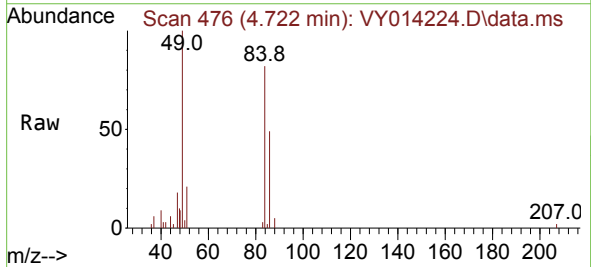
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-03-GRAB-7

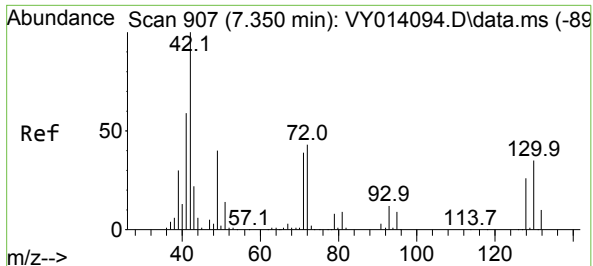
Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
58 30.6 22.7 34.1



#20
Methylene Chloride
Concen: 26.715 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion: 84 Resp: 6378
Ion Ratio Lower Upper
84 100
49 121.9 106.9 160.3
51 26.1 33.2 49.8#
86 59.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 43.012 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.012 min

Lab File: VY014224.D

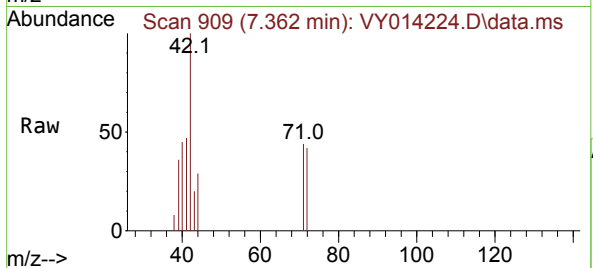
Acq: 16 Jun 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-03-GRAB-7



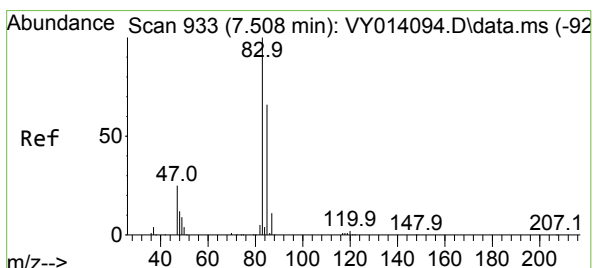
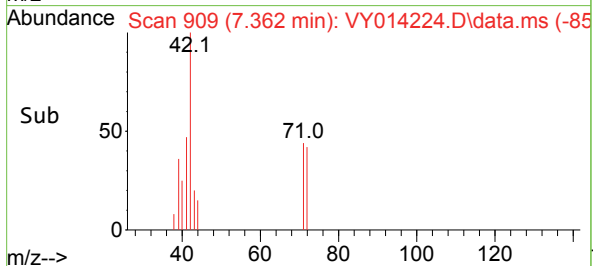
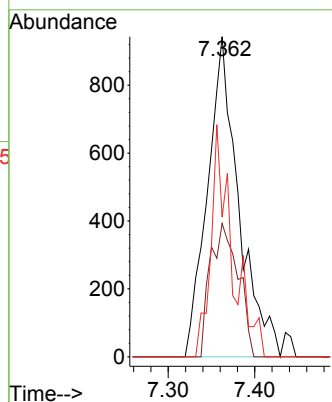
Tgt Ion: 42 Resp: 2363

Ion Ratio Lower Upper

42 100

72 37.2 32.8 49.2

71 39.7 31.0 46.4



#30

Chloroform

Concen: 1.329 ug/l

RT: 7.527 min Scan# 936

Delta R.T. 0.019 min

Lab File: VY014224.D

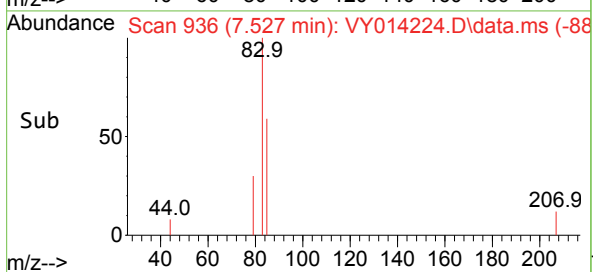
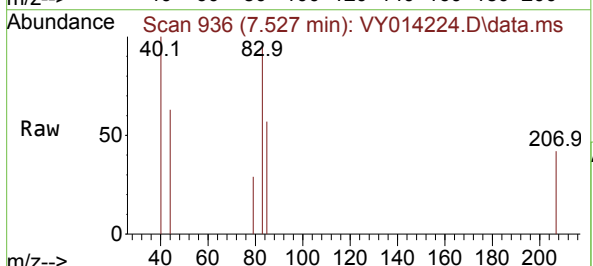
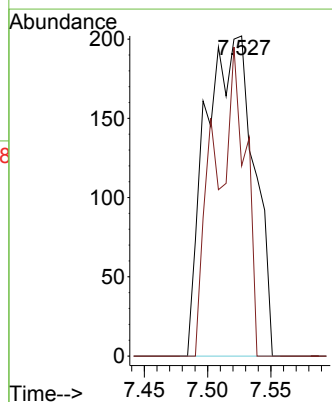
Acq: 16 Jun 2023 23:25

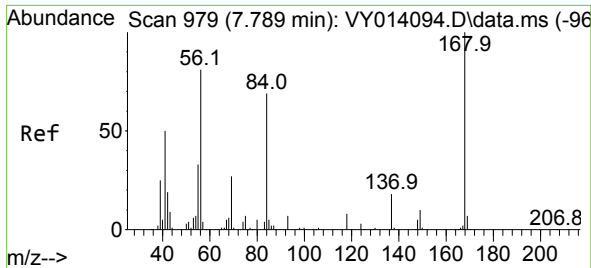
Tgt Ion: 83 Resp: 540

Ion Ratio Lower Upper

83 100

85 59.4 49.7 74.5

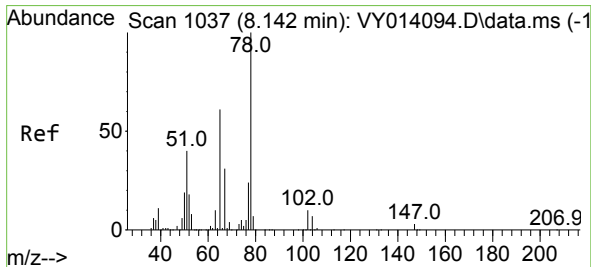
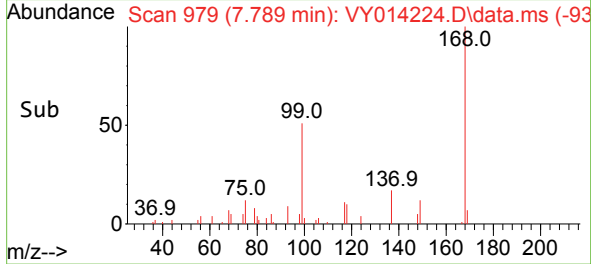
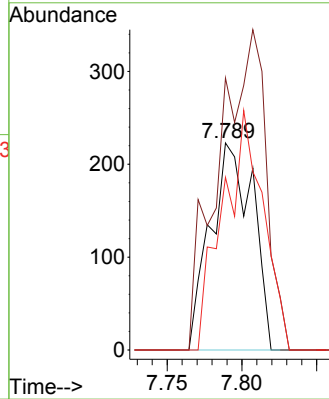
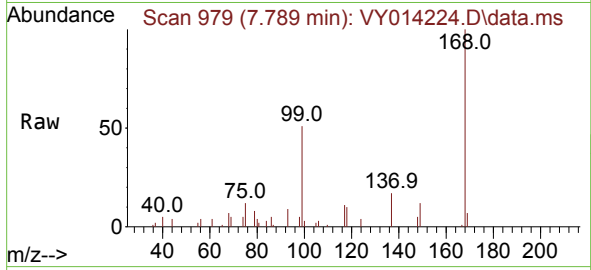




#31
Cyclohexane
Concen: 1.400 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

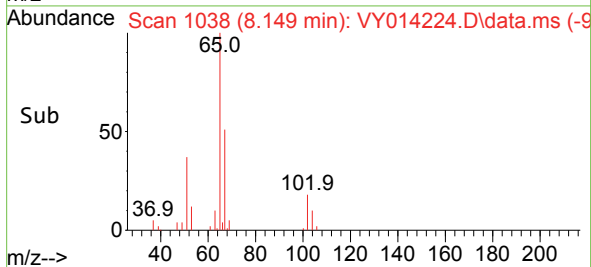
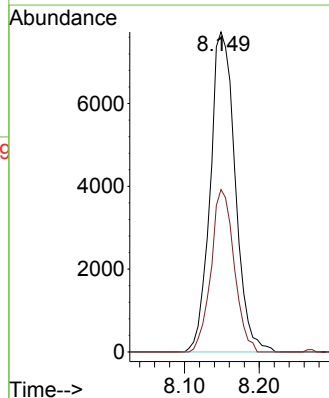
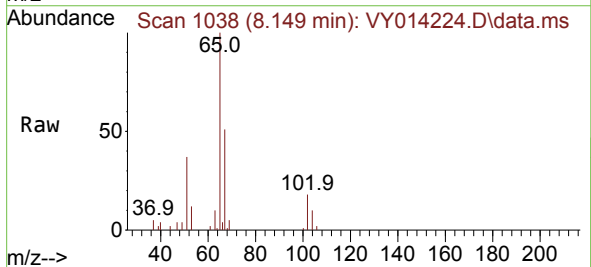
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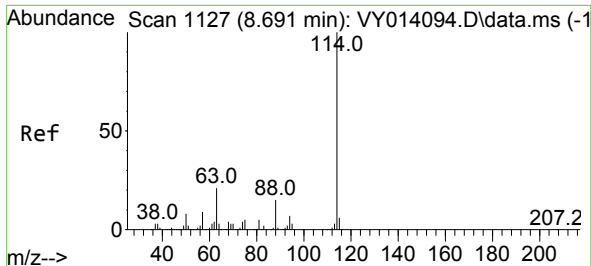
Tgt Ion: 56 Resp: 438
Ion Ratio Lower Upper
56 100
69 131.4 27.8 41.6#
84 83.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 76.887 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion: 65 Resp: 17953
Ion Ratio Lower Upper
65 100
67 47.0 0.0 101.8

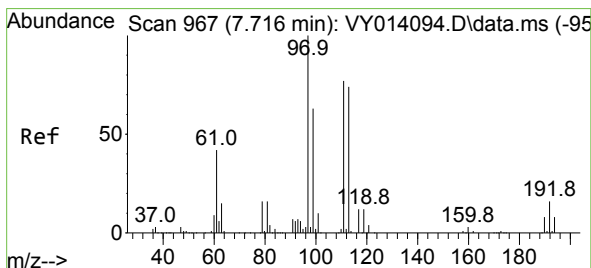
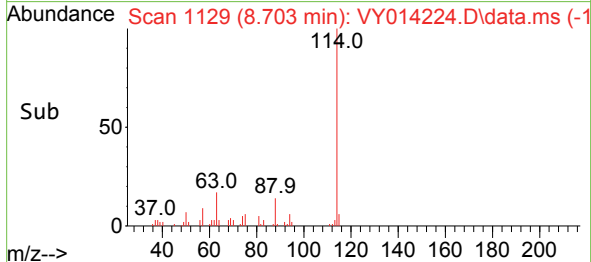
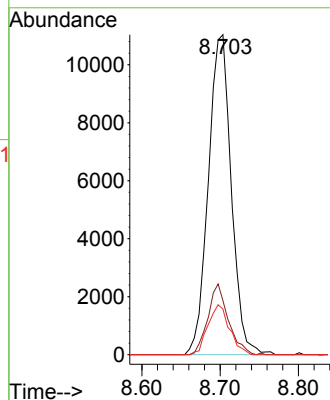
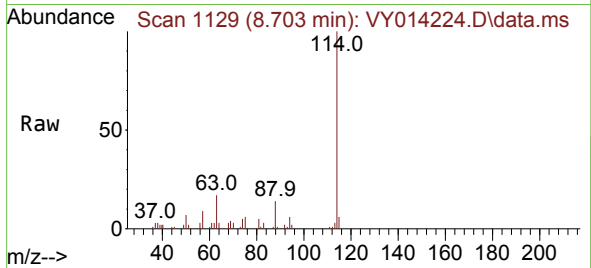




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

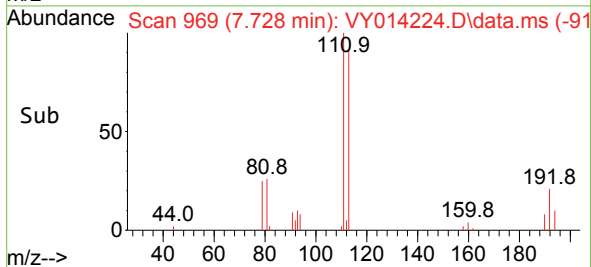
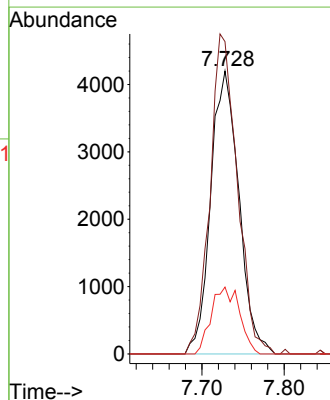
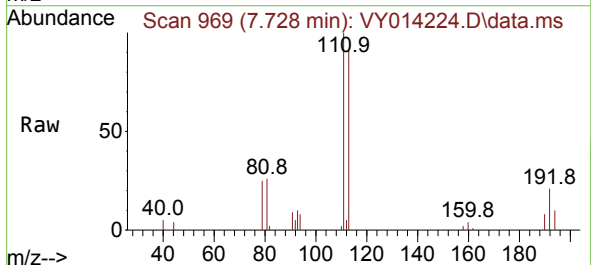
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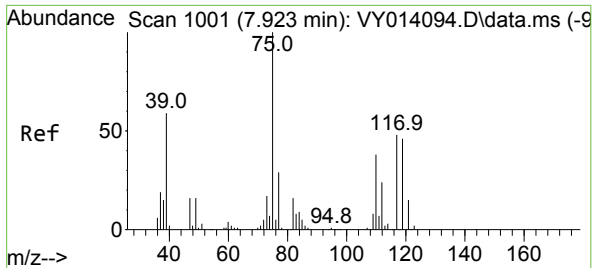
Tgt Ion:114	Resp:	22474
Ion Ratio	Lower	Upper
114	100	
63	16.9	0.0 42.4
88	14.3	0.0 30.6



#35
Dibromofluoromethane
Concen: 62.824 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion:113	Resp:	10013
Ion Ratio	Lower	Upper
113	100	
111	109.1	81.3 121.9
192	23.8	16.9 25.3

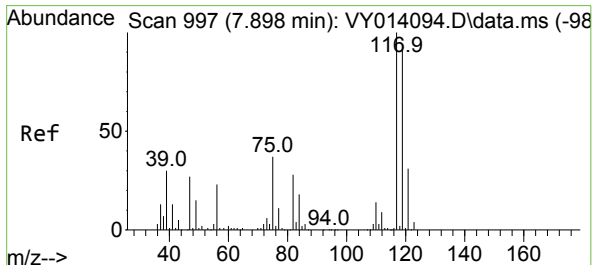
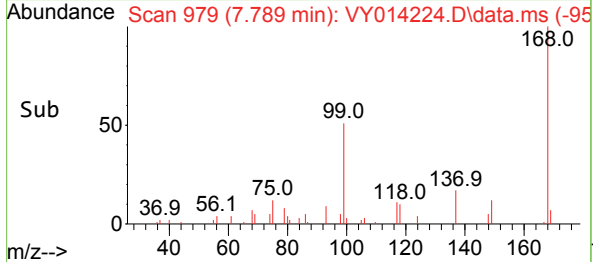
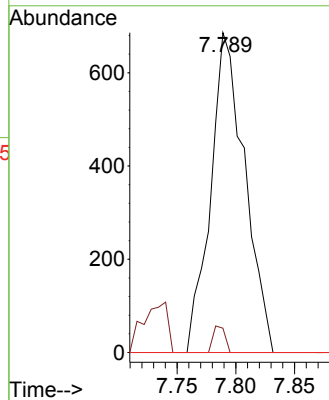
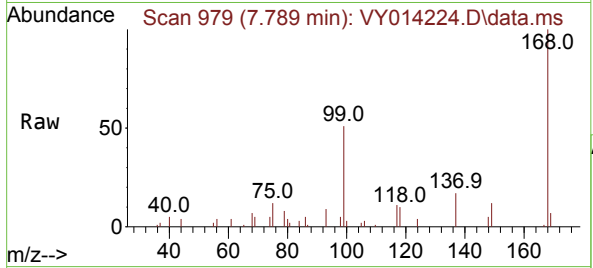




#36
 1,1-Dichloropropene
 Concen: 5.578 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY014224.D
 Acq: 16 Jun 2023 23:25

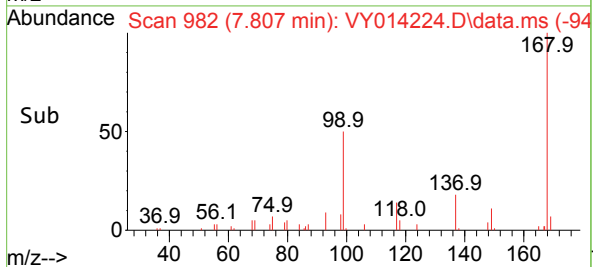
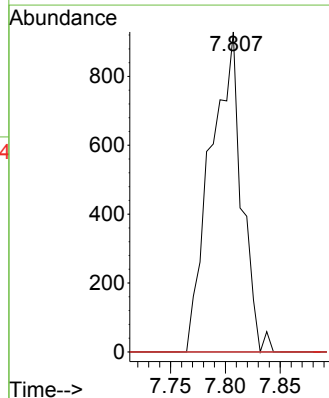
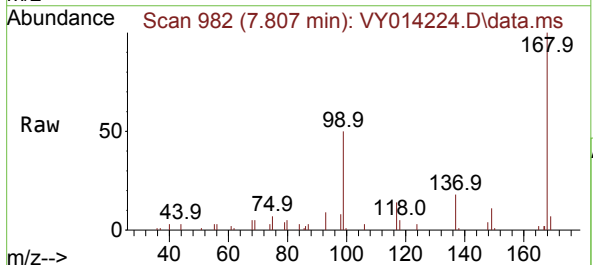
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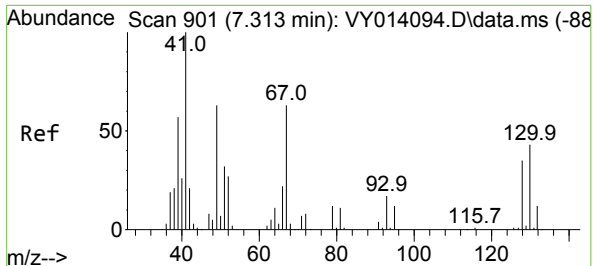
Tgt Ion: 75 Resp: 1386
 Ion Ratio Lower Upper
 75 100
 110 2.9 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.403 ug/l
 RT: 7.807 min Scan# 982
 Delta R.T. -0.091 min
 Lab File: VY014224.D
 Acq: 16 Jun 2023 23:25

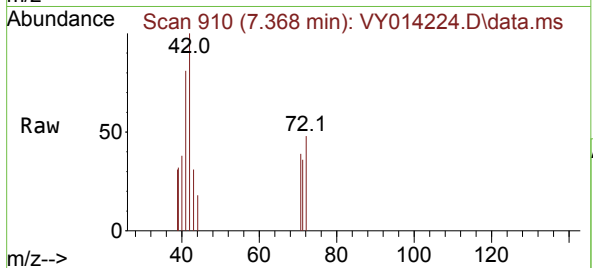
Tgt Ion: 117 Resp: 1836
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.4 114.6#
 121 0.0 25.8 38.6#



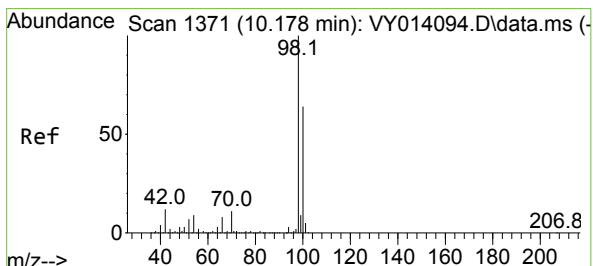
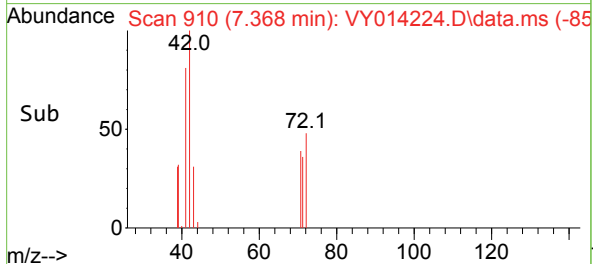
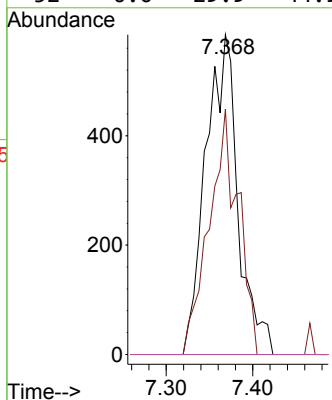


#41
Methacrylonitrile
Concen: 17.246 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-03-GRAB-7

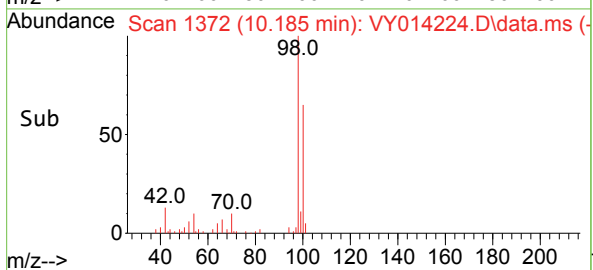
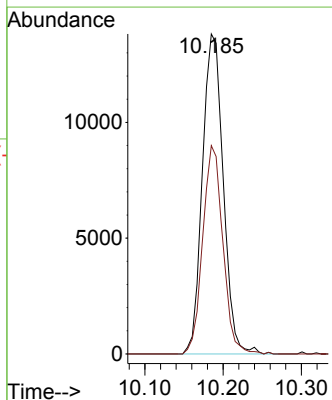
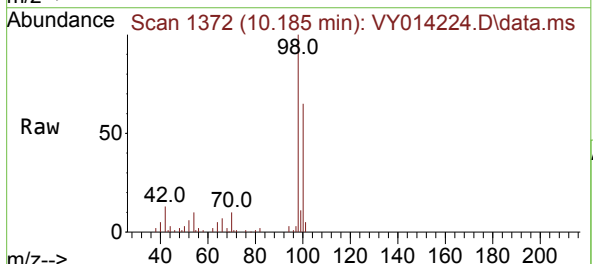


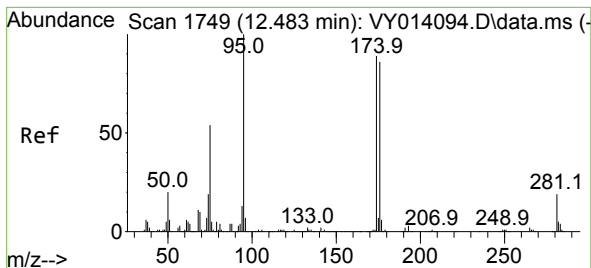
Tgt Ion: 41	Resp: 1509
Ion Ratio	Lower Upper
41	100
39	69.9 52.1 78.1
67	0.0 66.2 99.2#
52	0.0 29.9 44.9#



#50
Toluene-d8
Concen: 42.812 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion: 98	Resp: 25510
Ion Ratio	Lower Upper
98	100
100	63.0 50.1 75.1

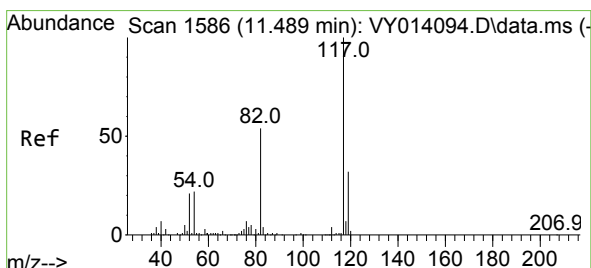
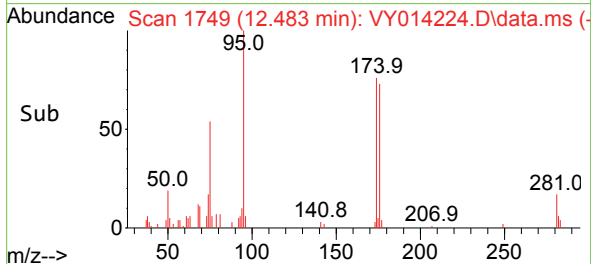
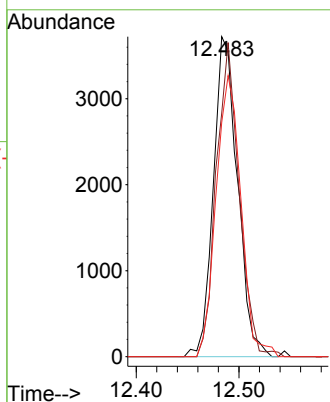
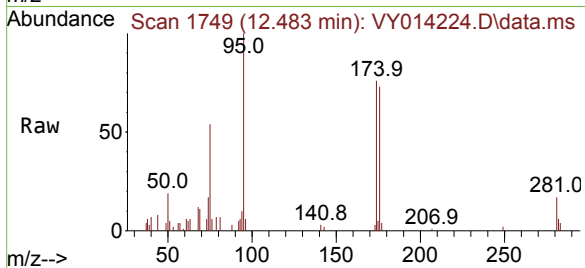




#62
4-Bromofluorobenzene
Concen: 28.691 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

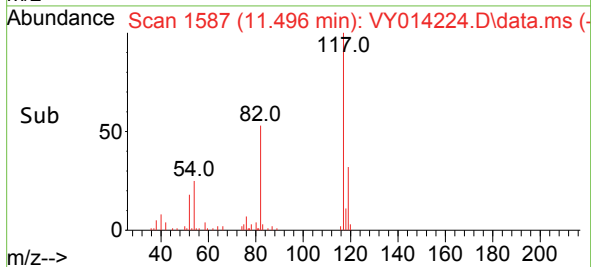
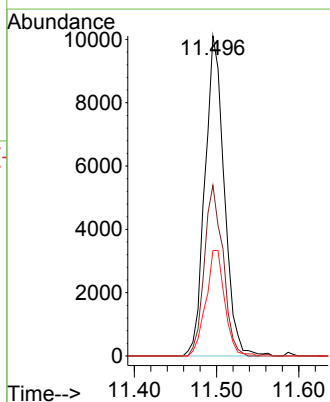
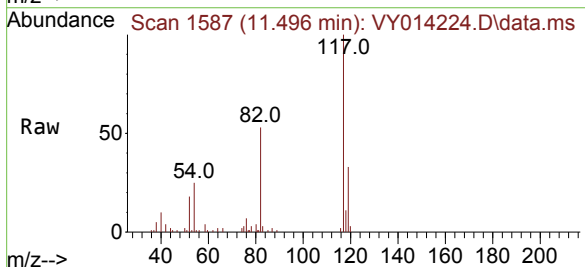
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-03-GRAB-7

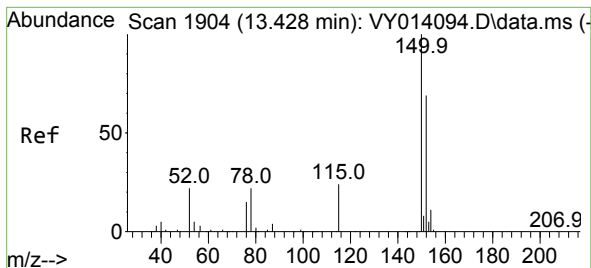
Tgt Ion:	95	Resp:	6073
Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	178.2
176	90.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014224.D
Acq: 16 Jun 2023 23:25

Tgt Ion:	117	Resp:	16471
Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.4	65.0
119	33.0	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014224.D

Acq: 16 Jun 2023 23:25

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-03-GRAB-7

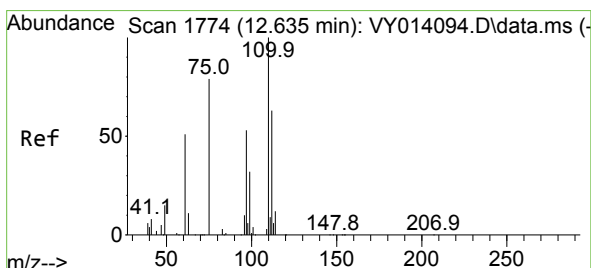
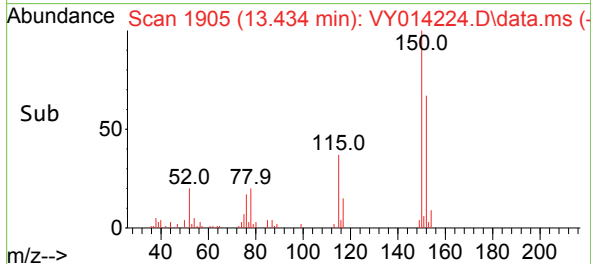
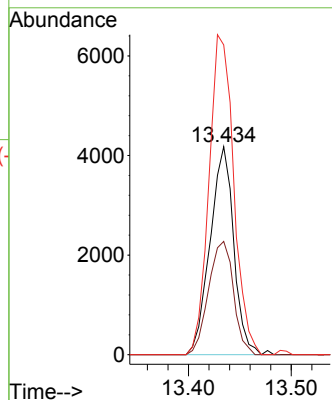
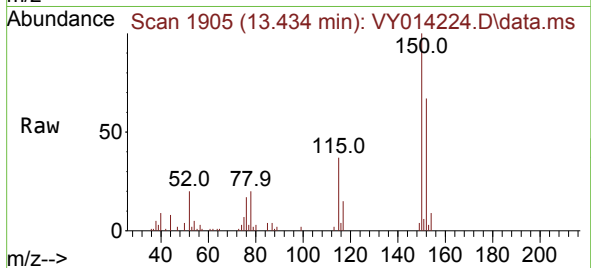
Tgt Ion:152 Resp: 6686

Ion Ratio Lower Upper

152 100

115 57.2 28.8 86.5

150 160.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.050 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014224.D

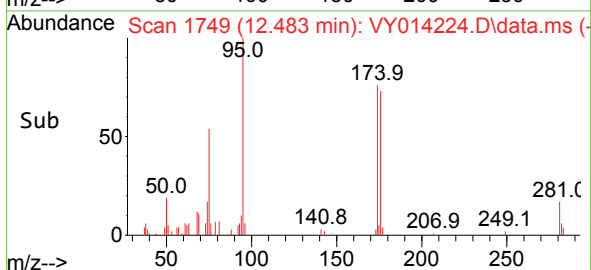
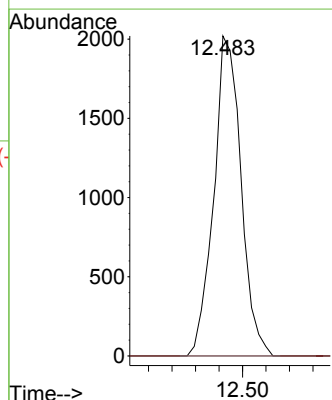
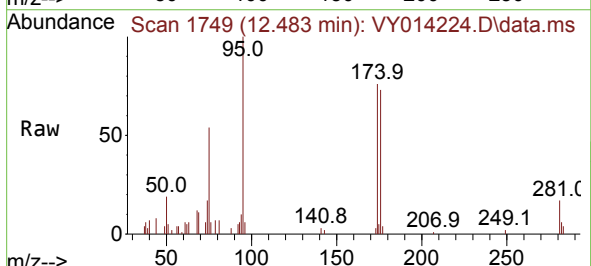
Acq: 16 Jun 2023 23:25

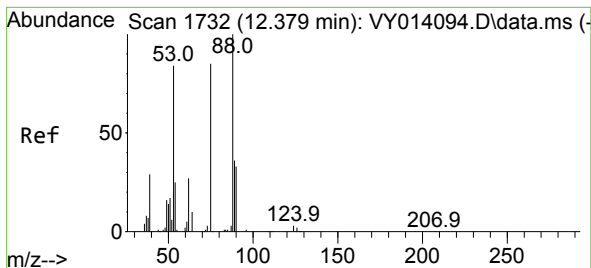
Tgt Ion: 75 Resp: 3250

Ion Ratio Lower Upper

75 100

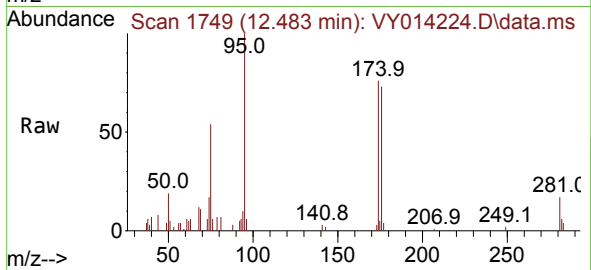
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.088 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014224.D
 Acq: 16 Jun 2023 23:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-03-GRAB-7



Tgt Ion: 75 Resp: 3250
 Ion Ratio Lower Upper
 75 100
 53 0.6 77.8 116.8#
 89 0.0 37.4 56.0#

