

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061423\
 Data File : VY014175.D
 Acq On : 14 Jun 2023 23:41
 Operator : KP/MD
 Sample : 03224-17
 Misc : 9.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-15-GRAB-7

Quant Time: Jun 15 01:50:24 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)

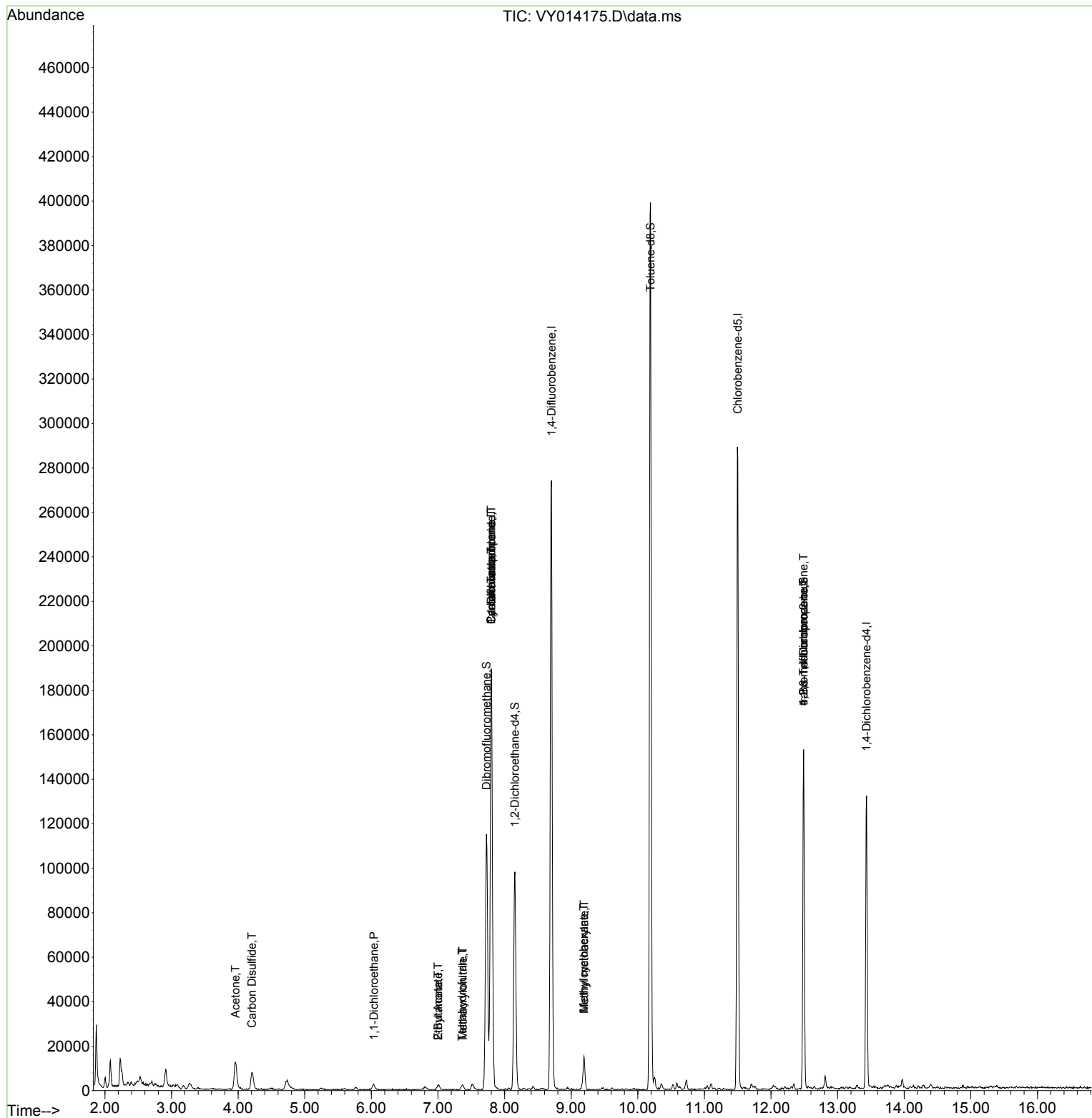
Internal Standards						
1) Pentafluorobenzene	7.801	168	143046	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	230444	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	156171	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	35022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	82539	41.437	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.880%
35) Dibromofluoromethane	7.728	113	77788	47.598	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.200%
50) Toluene-d8	10.191	98	263990	43.207	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.420%
62) 4-Bromofluorobenzene	12.489	95	43181	19.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	168	Below Cal	#	89
13) Acrolein	3.741	56	132	Below Cal	#	59
16) Acetone	3.960	43	21782	36.277	ug/l	95
17) Carbon Disulfide	4.204	76	14541	2.747	ug/l #	92
20) Methylene Chloride	4.735	84	3014	Below Cal	#	82
24) 1,1-Dichloroethane	6.039	63	3401	1.041	ug/l #	95
25) 2-Butanone	7.002	43	3542	4.792	ug/l	98
29) Tetrahydrofuran	7.362	42	1578	3.367	ug/l	94
31) Cyclohexane	7.801	56	6095	2.284	ug/l #	74
36) 1,1-Dichloropropene	7.801	75	11038	4.332	ug/l #	51
37) Ethyl Acetate	7.002	43	3542	2.015	ug/l #	74
38) Carbon Tetrachloride	7.801	117	14043	4.776	ug/l #	14
39) Methylcyclohexane	9.191	83	5303	1.876	ug/l	97
41) Methacrylonitrile	7.374	41	940	1.048	ug/l #	46
48) Methyl methacrylate	9.197	41	2753	1.916	ug/l #	78
76) 1,2,3-Trichloropropane	12.489	75	23180	50.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	23180	109.050	ug/l #	11

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

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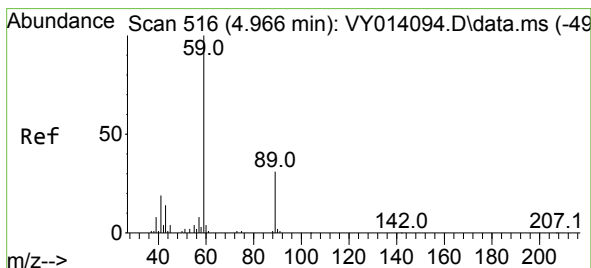
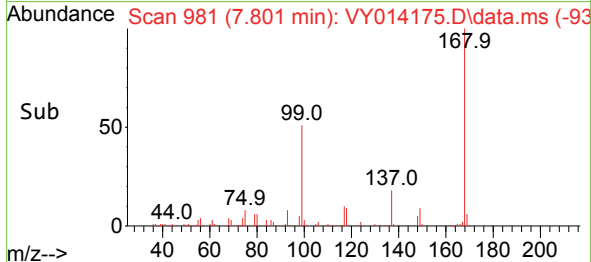
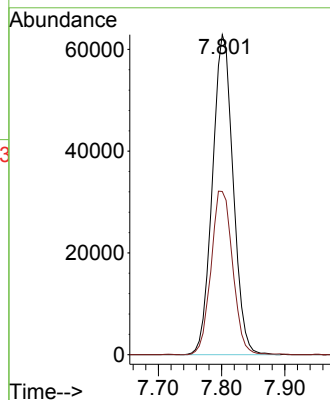
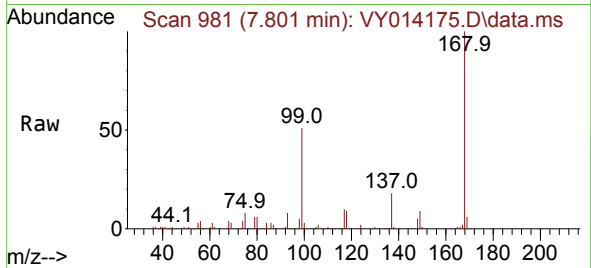




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

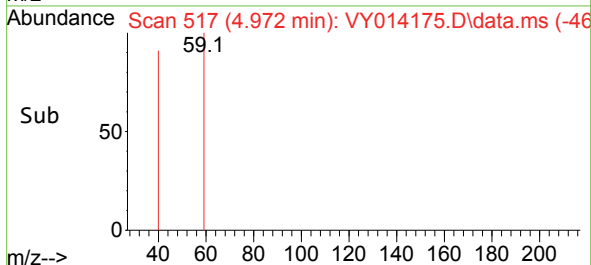
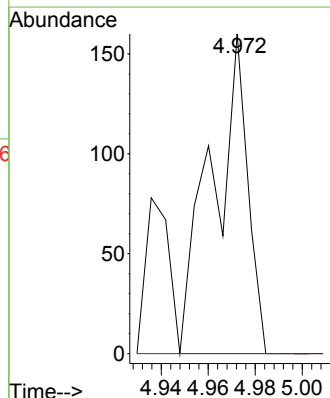
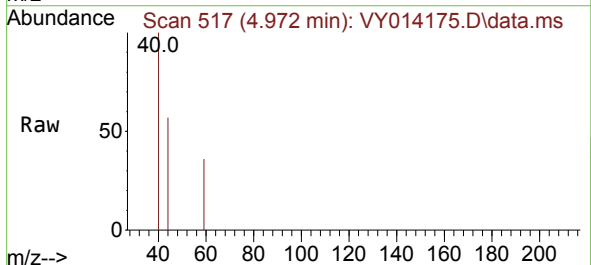
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7

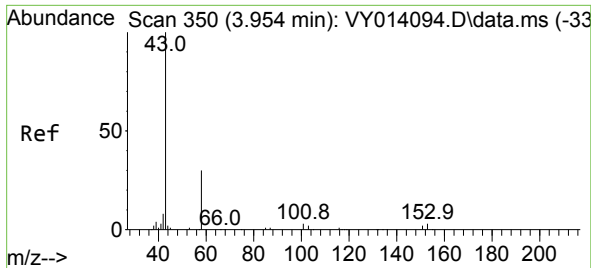
Tgt Ion:168 Resp: 143046
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Tgt Ion: 59 Resp: 168
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 36.277 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY014175.D

Acq: 14 Jun 2023 23:41

Instrument :

MSVOA_Y

ClientSampleId :

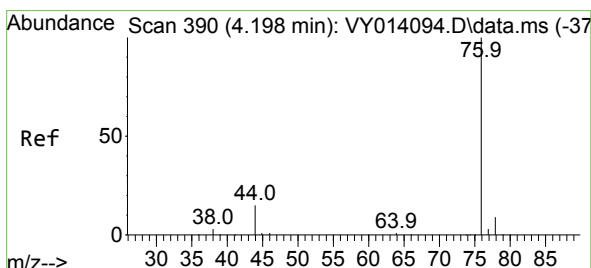
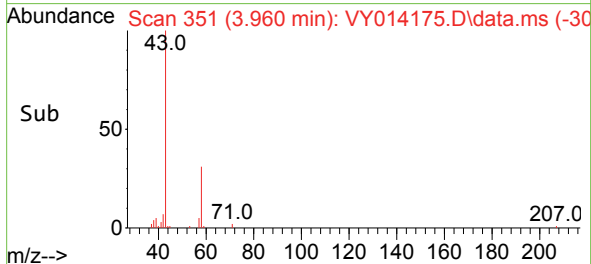
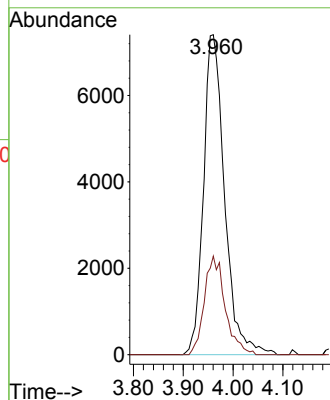
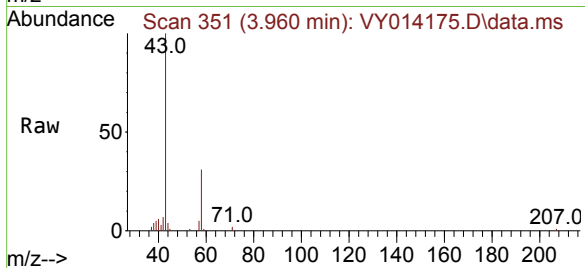
TOTAL-VOC-SB-15-GRAB-7

Tgt Ion: 43 Resp: 21782

Ion Ratio Lower Upper

43 100

58 30.8 22.7 34.1



#17

Carbon Disulfide

Concen: 2.747 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY014175.D

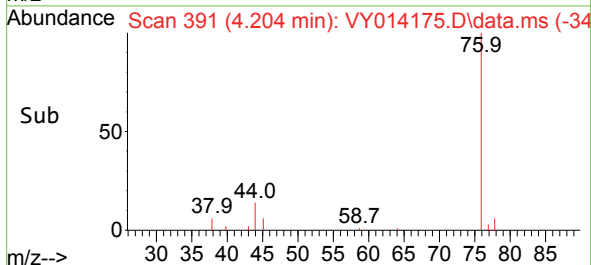
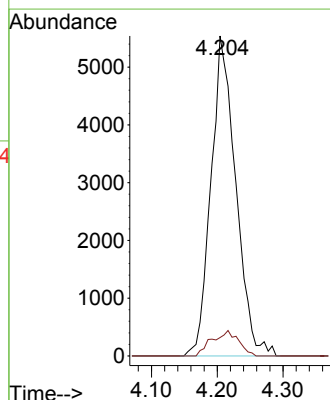
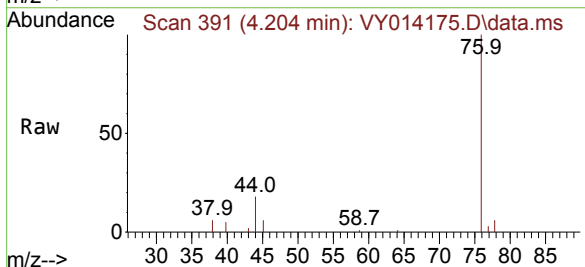
Acq: 14 Jun 2023 23:41

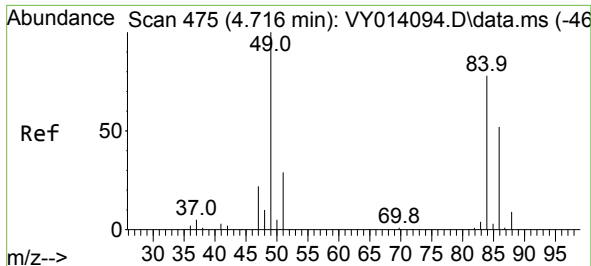
Tgt Ion: 76 Resp: 14541

Ion Ratio Lower Upper

76 100

78 5.7 7.0 10.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.735 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY014175.D

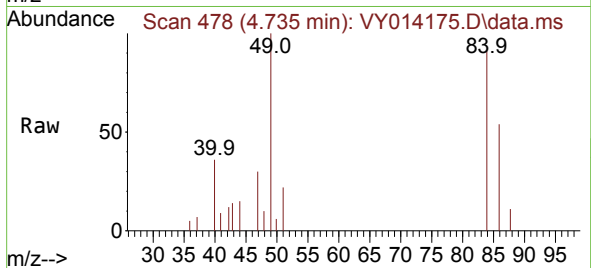
Acq: 14 Jun 2023 23:41

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-7



Tgt Ion: 84 Resp: 3014

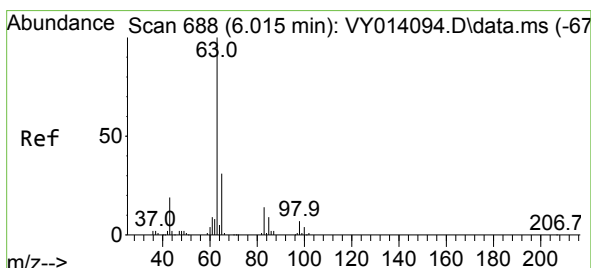
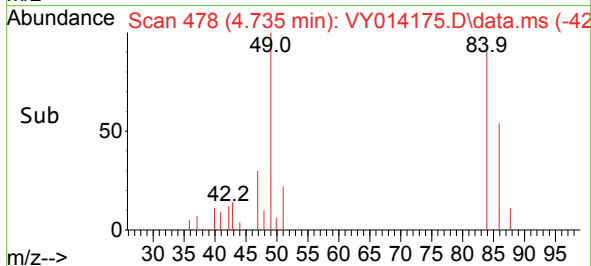
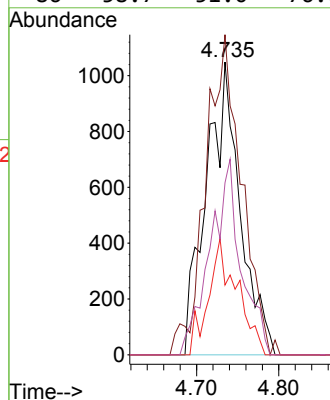
Ion Ratio Lower Upper

84 100

49 109.3 106.9 160.3

51 23.8 33.2 49.8#

86 58.7 51.0 76.6



#24

1,1-Dichloroethane

Concen: 1.041 ug/l

RT: 6.039 min Scan# 692

Delta R.T. 0.024 min

Lab File: VY014175.D

Acq: 14 Jun 2023 23:41

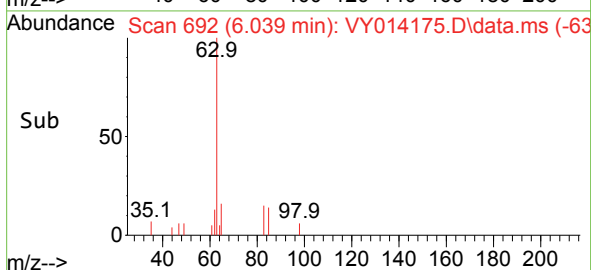
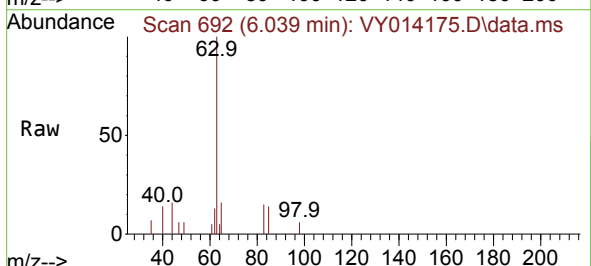
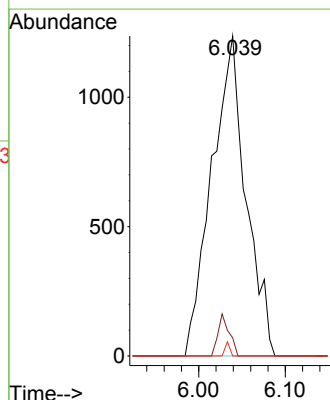
Tgt Ion: 63 Resp: 3401

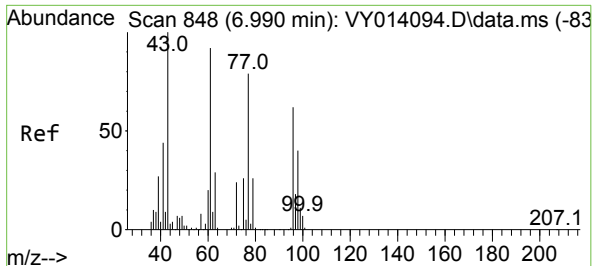
Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

100 0.0 1.8 5.5#





#25

2-Butanone

Concen: 4.792 ug/l

RT: 7.002 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY014175.D

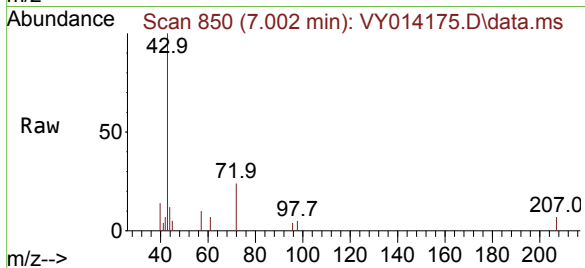
Acq: 14 Jun 2023 23:41

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-7

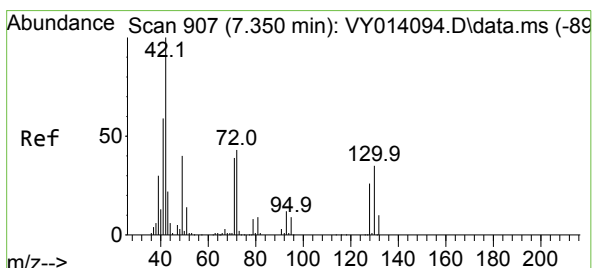
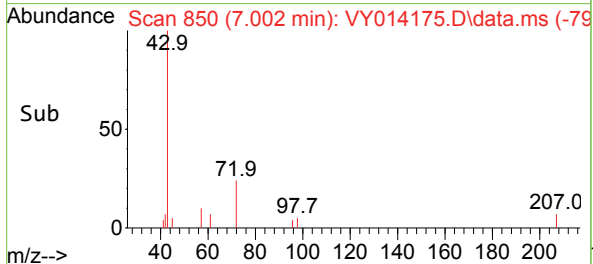
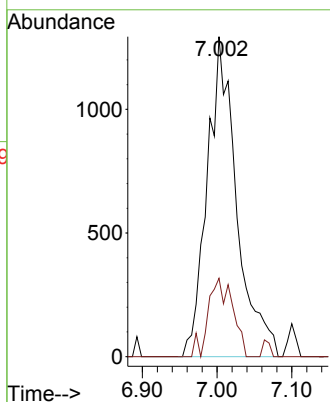


Tgt Ion: 43 Resp: 3542

Ion Ratio Lower Upper

43 100

72 24.5 20.5 30.7



#29

Tetrahydrofuran

Concen: 3.367 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.012 min

Lab File: VY014175.D

Acq: 14 Jun 2023 23:41

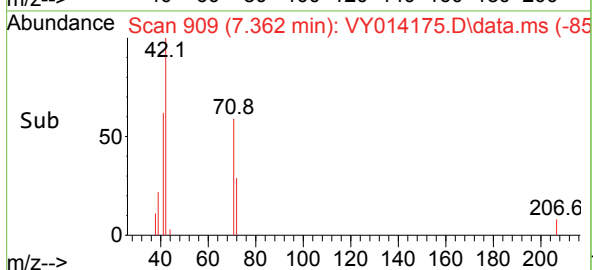
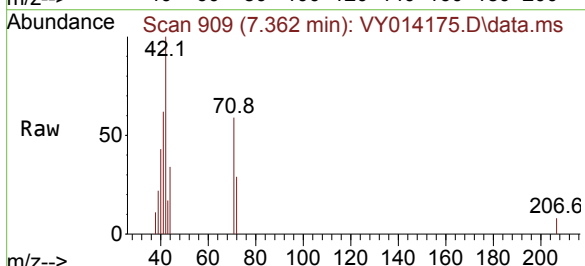
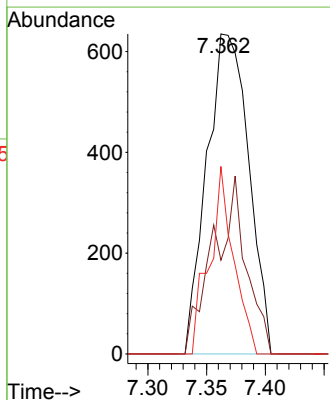
Tgt Ion: 42 Resp: 1578

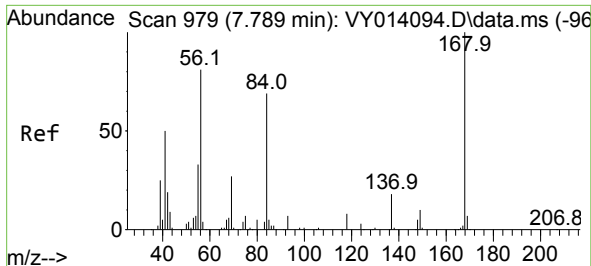
Ion Ratio Lower Upper

42 100

72 43.9 32.8 49.2

71 33.8 31.0 46.4

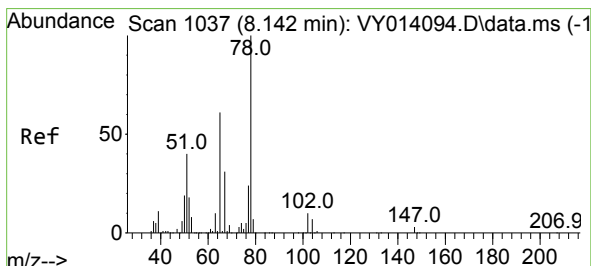
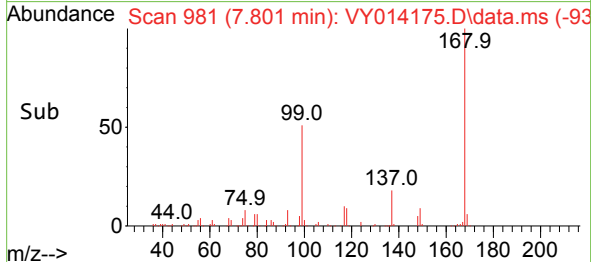
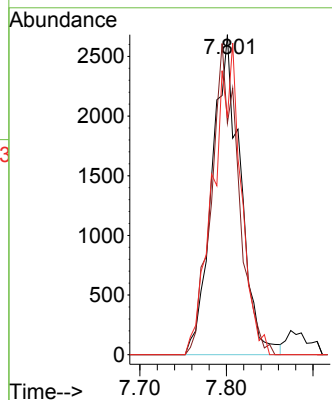
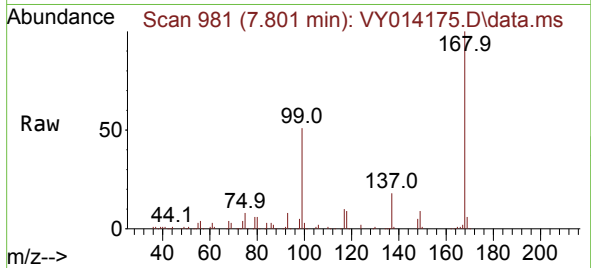




#31
Cyclohexane
Concen: 2.284 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

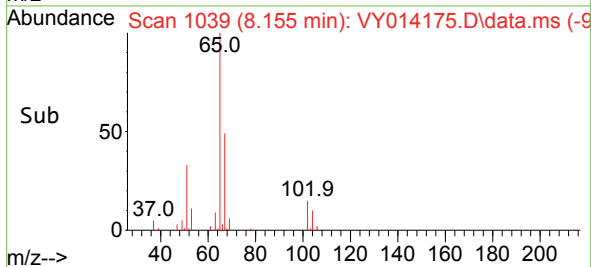
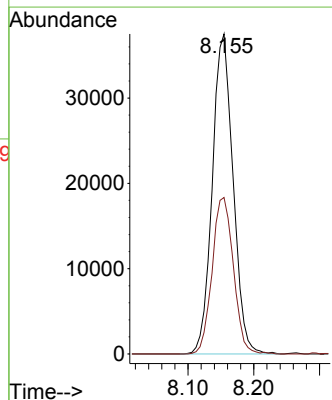
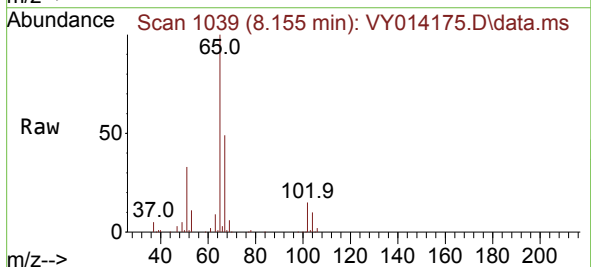
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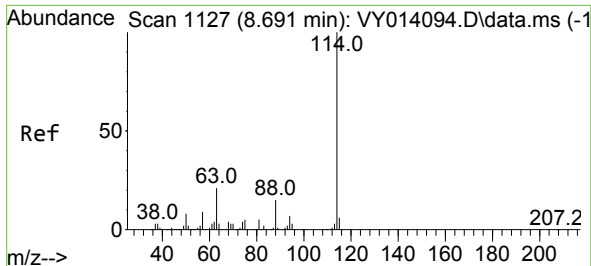
Tgt Ion: 56 Resp: 6095
Ion Ratio Lower Upper
56 100
69 72.4 27.8 41.6#
84 73.9 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 41.437 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Tgt Ion: 65 Resp: 82539
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.8

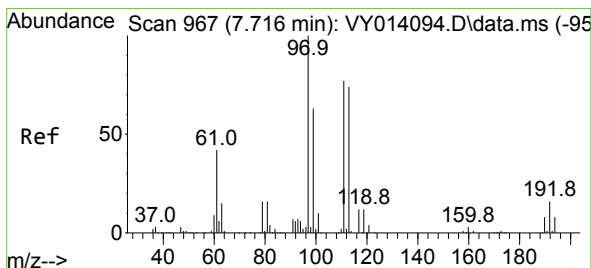
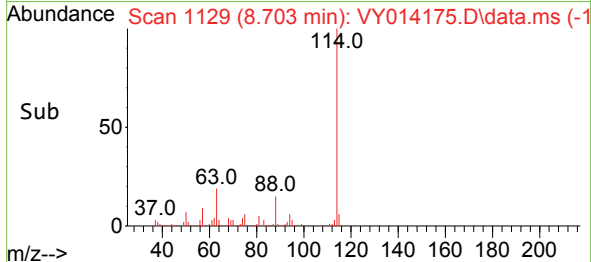
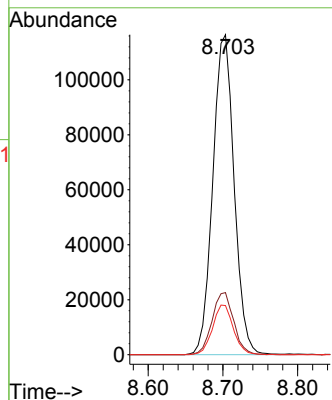
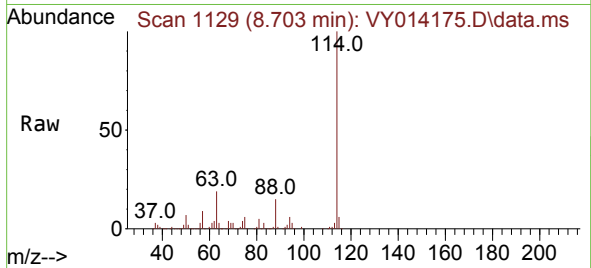




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

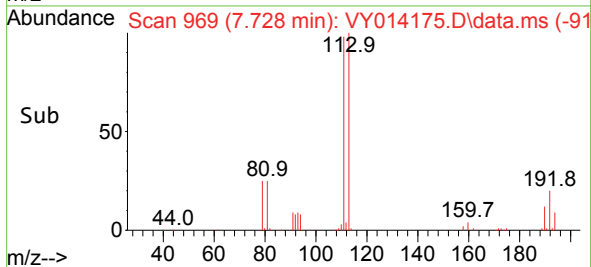
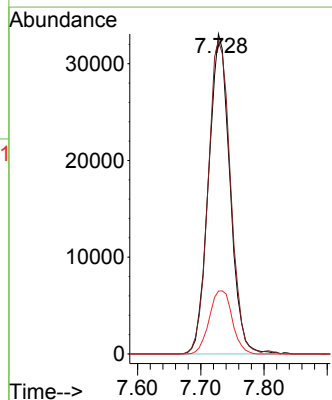
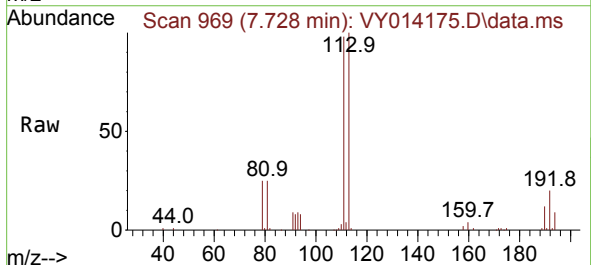
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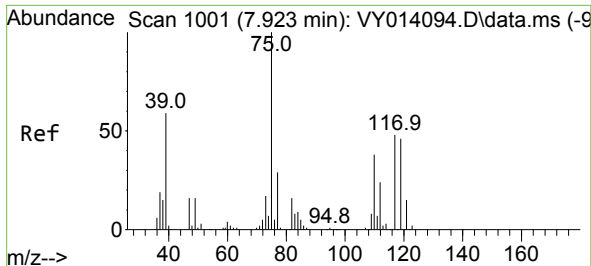
Tgt Ion:114 Resp: 230444
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.598 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Tgt Ion:113 Resp: 77788
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 21.1 16.9 25.3

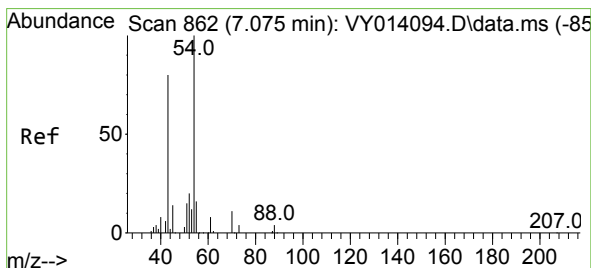
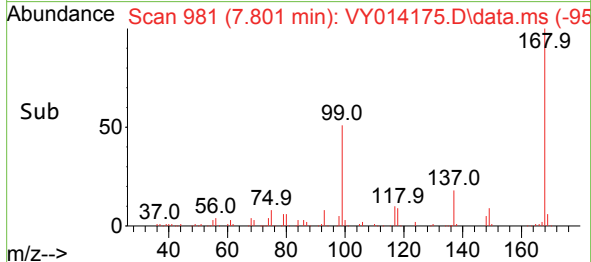
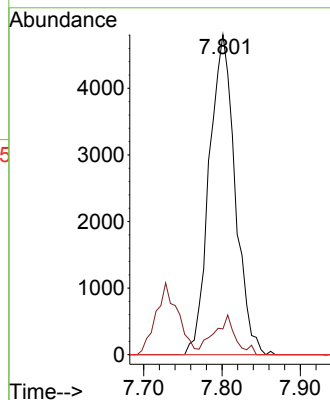
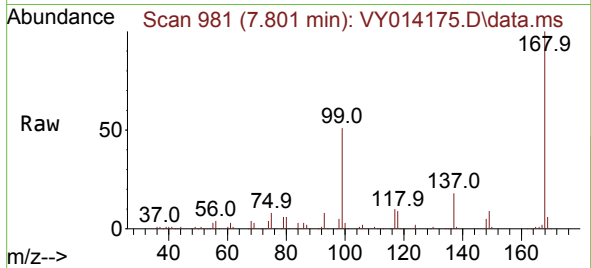




#36
1,1-Dichloropropene
Concen: 4.332 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

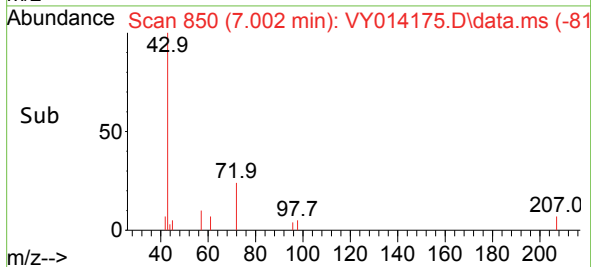
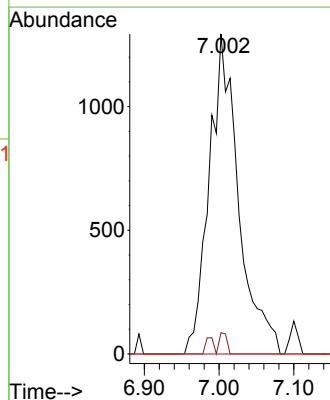
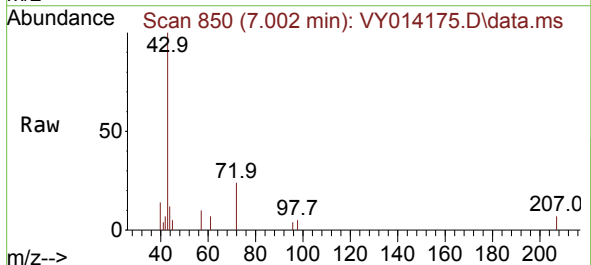
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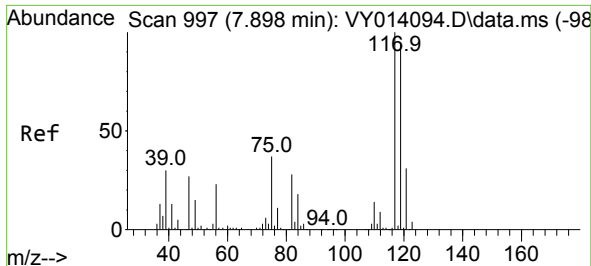
Tgt Ion: 75 Resp: 11038
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.015 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.073 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

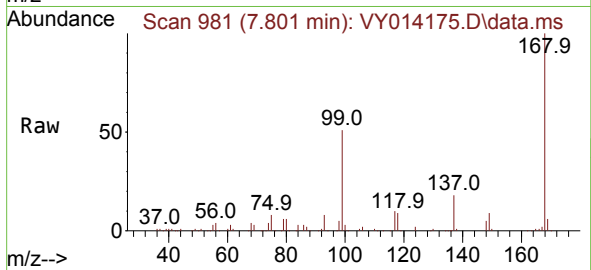
Tgt Ion: 43 Resp: 3542
Ion Ratio Lower Upper
43 100
61 1.7 10.1 15.1#
70 0.0 7.1 10.7#



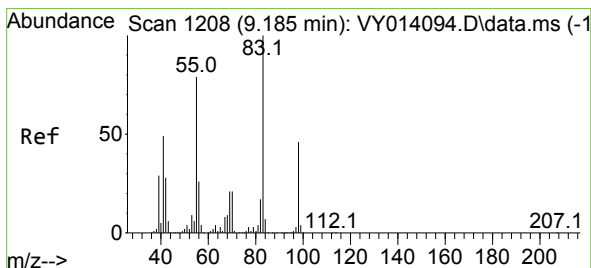
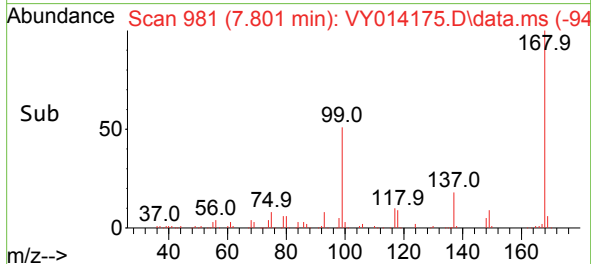
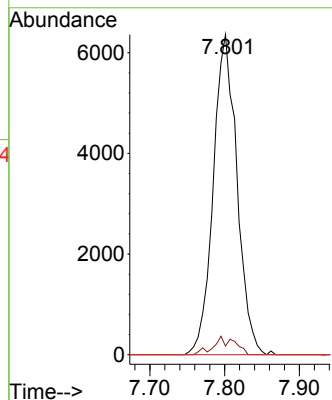


#38
Carbon Tetrachloride
Concen: 4.776 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7

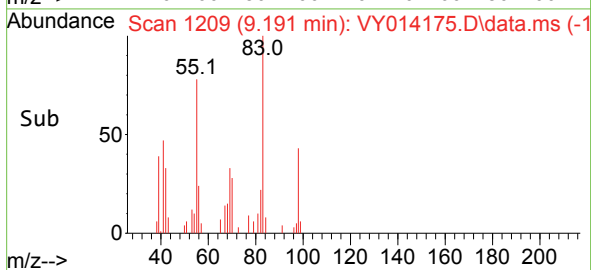
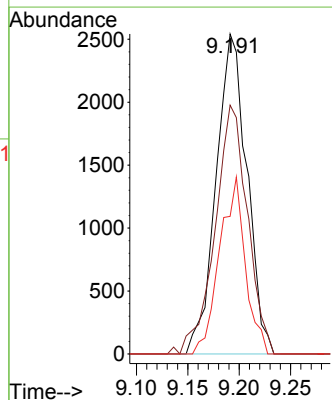
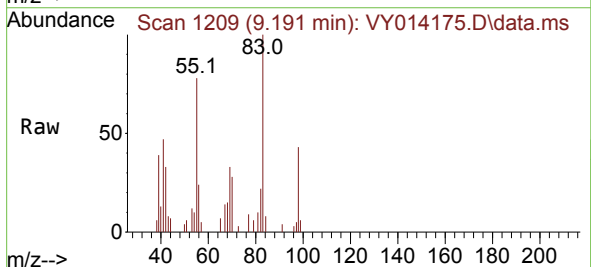


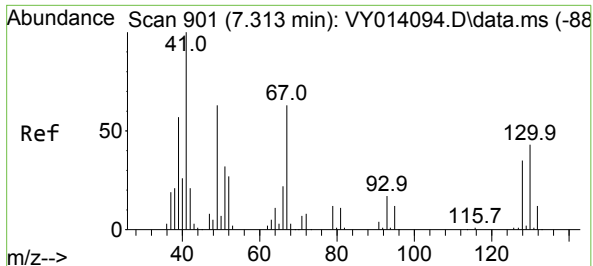
Tgt Ion:117 Resp: 14043
Ion Ratio Lower Upper
117 100
119 2.7 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 1.876 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Tgt Ion: 83 Resp: 5303
Ion Ratio Lower Upper
83 100
55 77.7 63.0 94.4
98 43.0 37.4 56.2

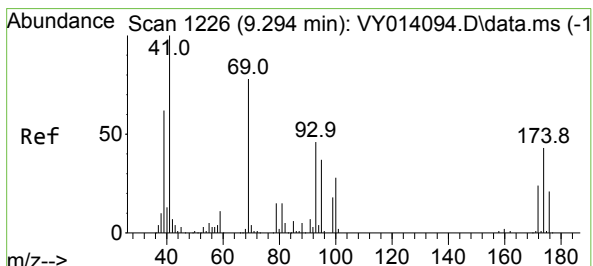
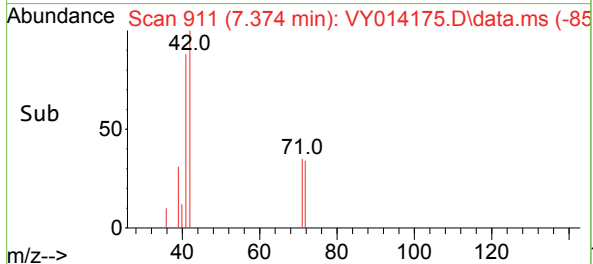
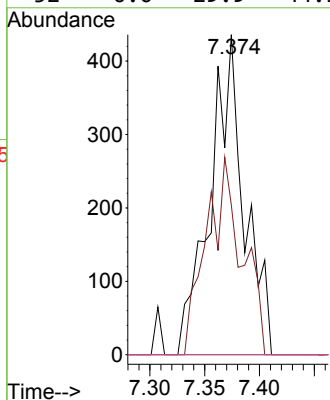
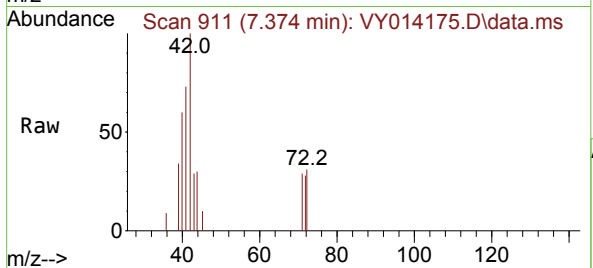




#41
Methacrylonitrile
Concen: 1.048 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

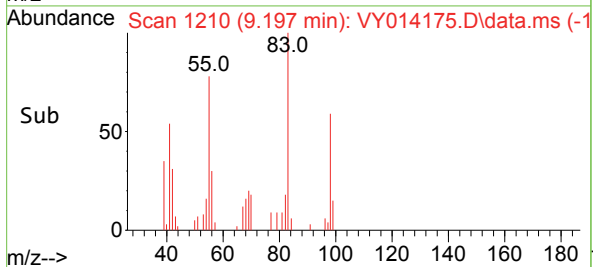
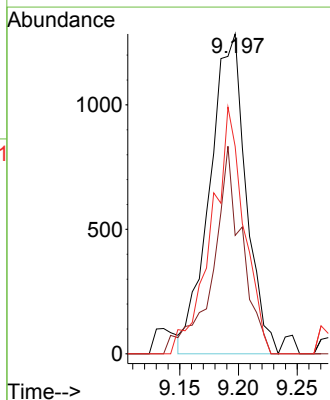
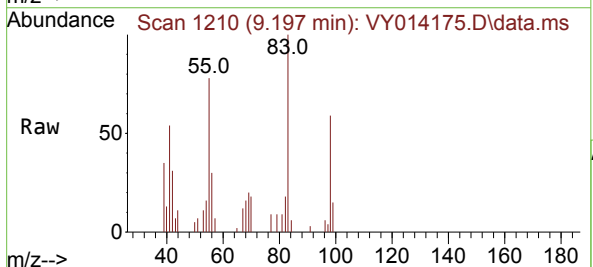
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7

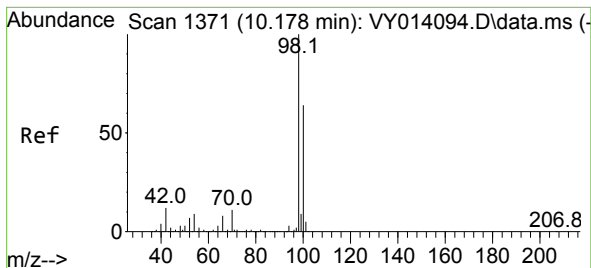
Tgt Ion: 41	Resp:	940
Ion	Ratio	Lower Upper
41	100	
39	64.7	52.1 78.1
67	0.0	66.2 99.2#
52	0.0	29.9 44.9#



#48
Methyl methacrylate
Concen: 1.916 ug/l
RT: 9.197 min Scan# 1210
Delta R.T. -0.097 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Tgt Ion: 41	Resp:	2753
Ion	Ratio	Lower Upper
41	100	
69	51.9	64.5 96.7#
39	70.1	50.8 76.2





#50

Toluene-d8

Concen: 43.207 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.013 min

Lab File: VY014175.D

Acq: 14 Jun 2023 23:41

Instrument :

MSVOA_Y

ClientSampleId :

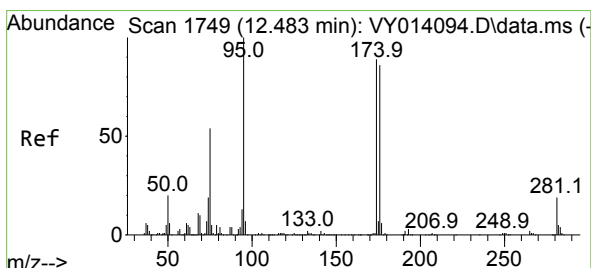
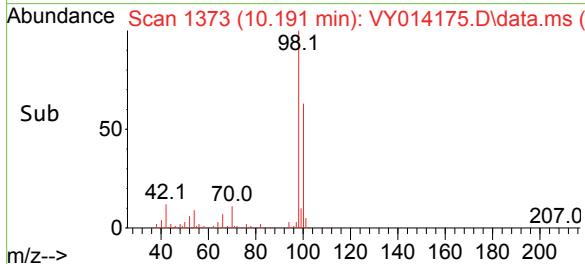
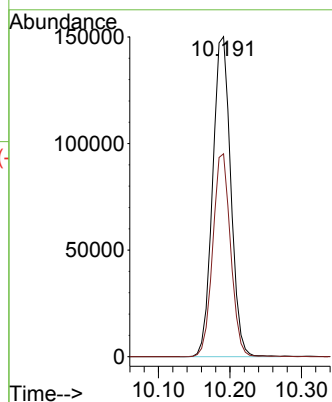
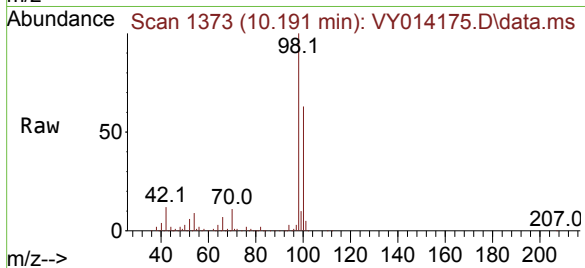
TOTAL-VOC-SB-15-GRAB-7

Tgt Ion: 98 Resp: 263990

Ion Ratio Lower Upper

98 100

100 62.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 19.896 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY014175.D

Acq: 14 Jun 2023 23:41

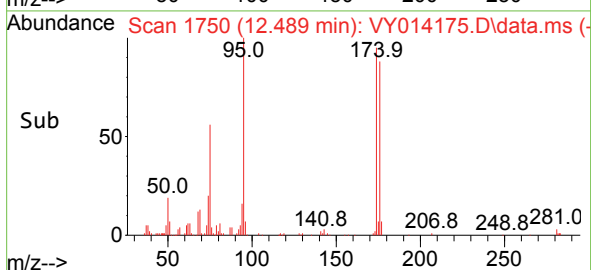
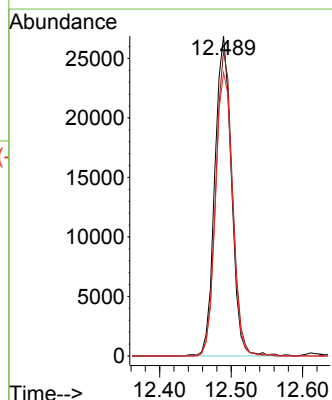
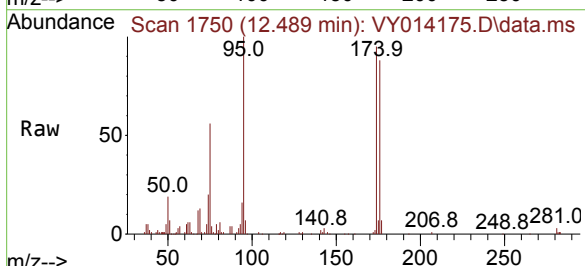
Tgt Ion: 95 Resp: 43181

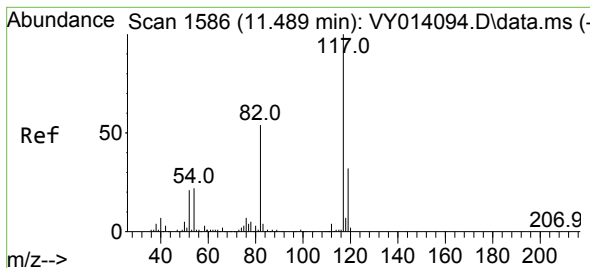
Ion Ratio Lower Upper

95 100

174 96.4 0.0 178.2

176 90.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.013 min

Lab File: VY014175.D

Acq: 14 Jun 2023 23:41

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-15-GRAB-7

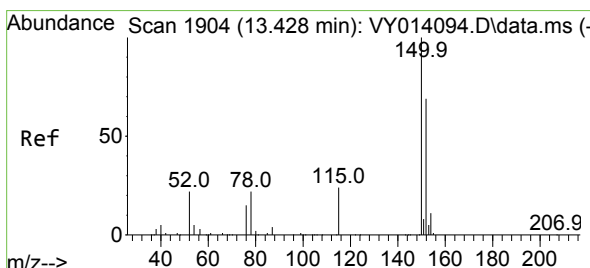
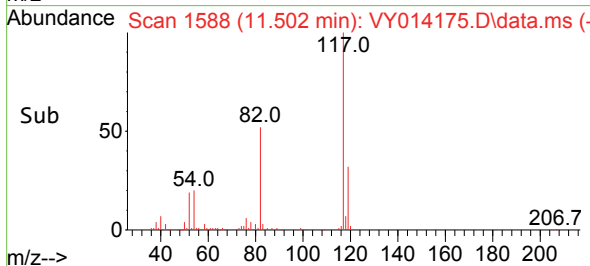
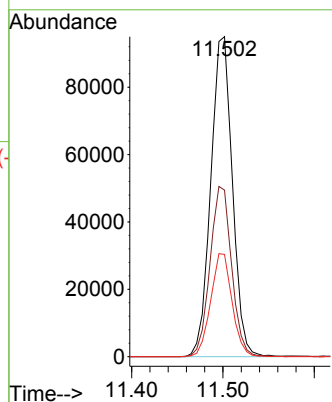
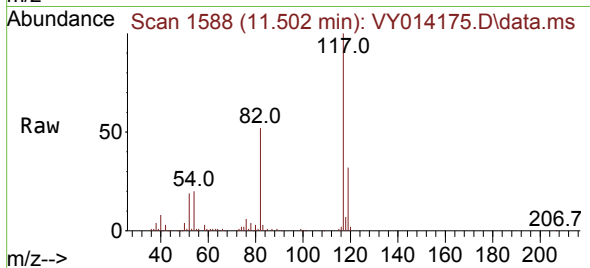
Tgt Ion:117 Resp: 156171

Ion Ratio Lower Upper

117 100

82 52.0 43.4 65.0

119 32.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY014175.D

Acq: 14 Jun 2023 23:41

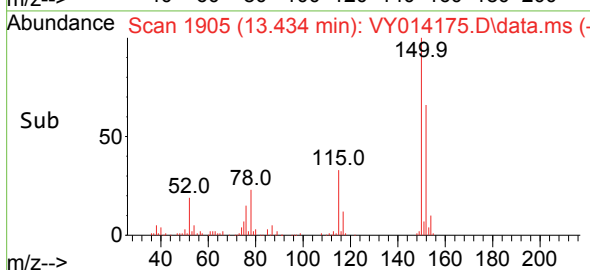
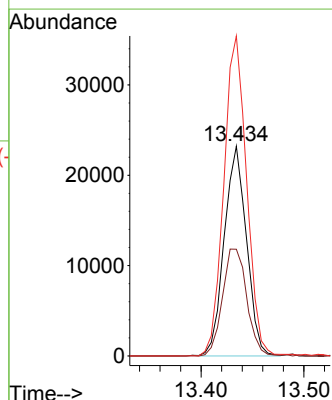
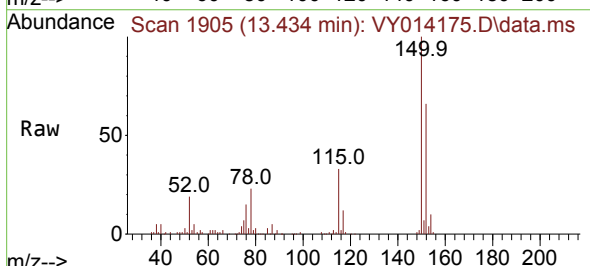
Tgt Ion:152 Resp: 35022

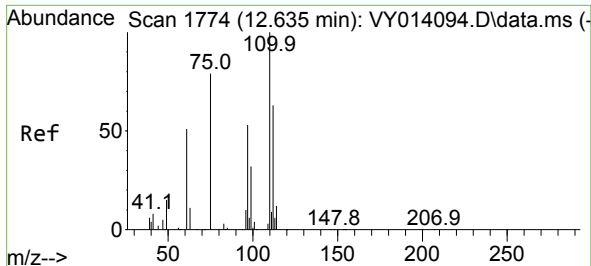
Ion Ratio Lower Upper

152 100

115 55.8 28.8 86.5

150 155.8 0.0 348.8

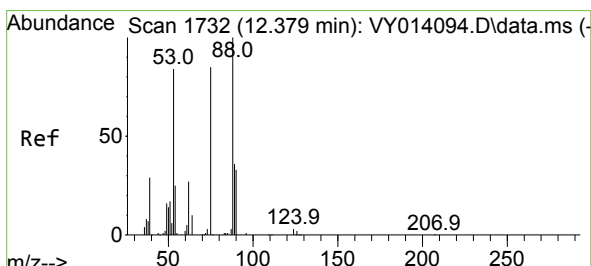
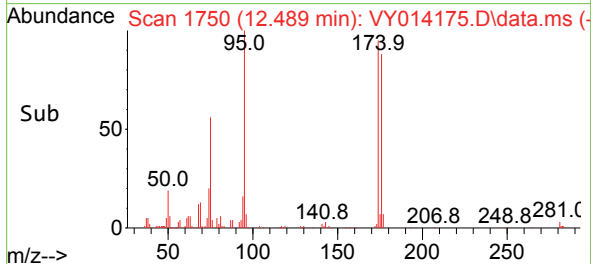
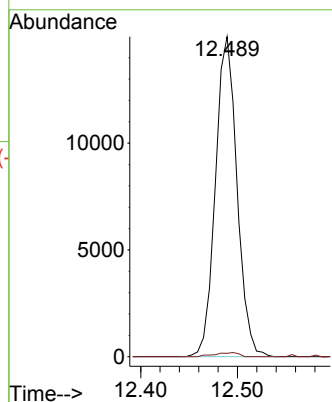
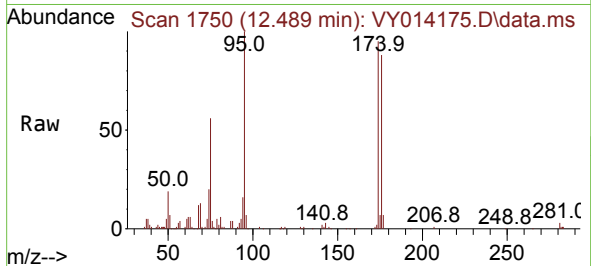




#76
1,2,3-Trichloropropane
Concen: 50.448 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-15-GRAB-7

Tgt Ion: 75 Resp: 23180
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.050 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014175.D
Acq: 14 Jun 2023 23:41

Tgt Ion: 75 Resp: 23180
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#

