

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014415.D
 Acq On : 23 Jun 2023 18:12
 Operator : KP/MD
 Sample : 03362-24
 Misc : 10.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-25-GRBA-6

Quant Time: Jun 23 23:13:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

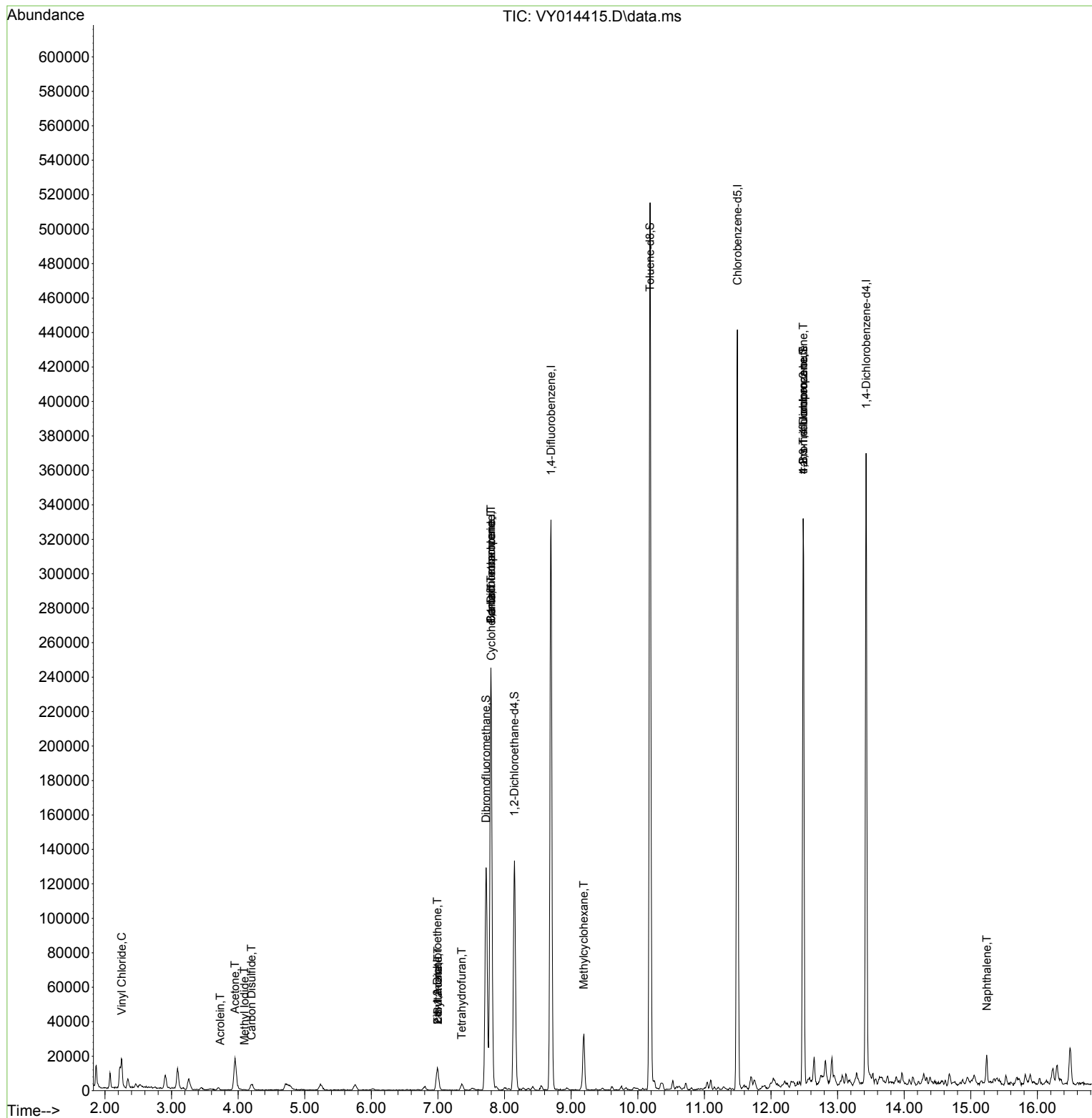
Internal Standards						
1) Pentafluorobenzene	7.795	168	183782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	277702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	237137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	112526	49.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.620%
35) Dibromofluoromethane	7.722	113	85995	50.122	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.240%
50) Toluene-d8	10.185	98	328543	48.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.483	95	93075	38.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.460%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	1924	1.057	ug/l	93
10) Methyl Iodide	4.095	142	86	2.911	ug/l #	38
11) Tert butyl alcohol	4.966	59	730	Below Cal	#	89
13) Acrolein	3.729	56	19	4.411	ug/l #	14
16) Acetone	3.954	43	29965	41.733	ug/l	95
17) Carbon Disulfide	4.198	76	6255	1.194	ug/l	98
20) Methylene Chloride	4.723	84	2152	Below Cal	#	74
25) 2-Butanone	6.996	43	2663	2.978	ug/l	92
27) cis-1,2-Dichloroethene	6.990	96	6687	3.191	ug/l	87
29) Tetrahydrofuran	7.356	42	2571	4.821	ug/l #	90
31) Cyclohexane	7.801	56	7262	2.577	ug/l #	61
36) 1,1-Dichloropropene	7.795	75	13193	4.990	ug/l #	52
37) Ethyl Acetate	6.996	43	2663	1.462	ug/l #	1
38) Carbon Tetrachloride	7.795	117	18470	5.551	ug/l #	16
39) Methylcyclohexane	9.191	83	13316	4.378	ug/l	93
76) 1,2,3-Trichloropropane	12.483	75	52885	45.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52885	102.705	ug/l #	11
95) Naphthalene	15.239	128	13299	3.305	ug/l	98

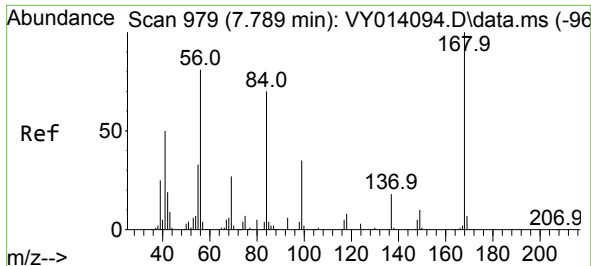
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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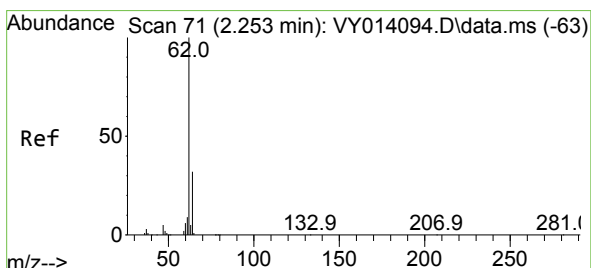
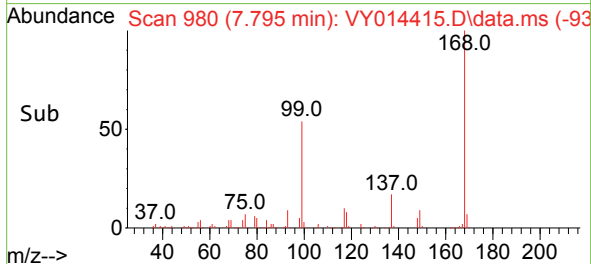
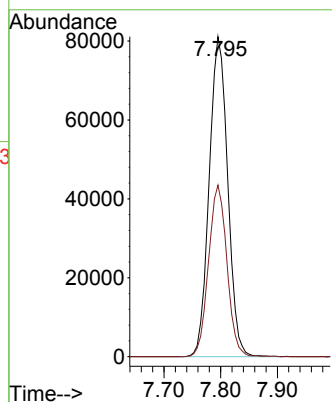
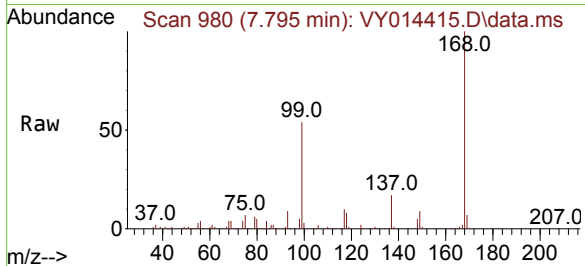




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

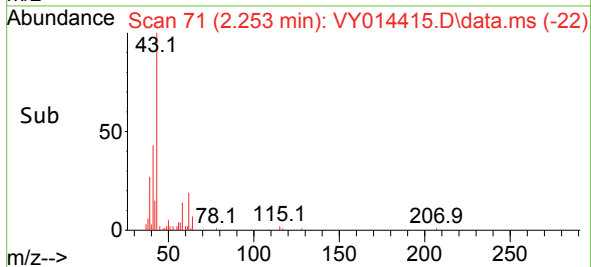
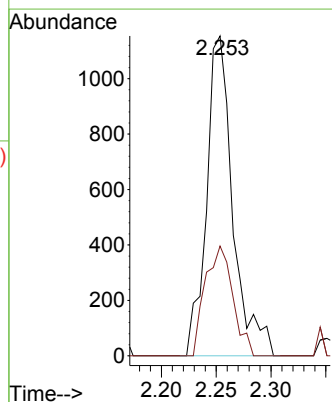
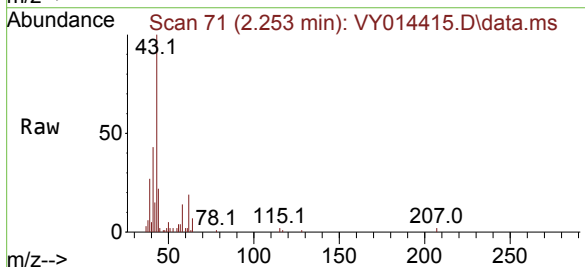
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6

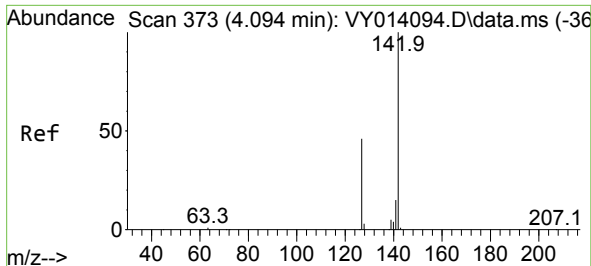
Tgt Ion:168 Resp: 183782
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#4
Vinyl Chloride
Concen: 1.057 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

Tgt Ion: 62 Resp: 1924
Ion Ratio Lower Upper
62 100
64 34.3 24.3 36.5





#10

Methyl Iodide

Concen: 2.911 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.001 min

Lab File: VY014415.D

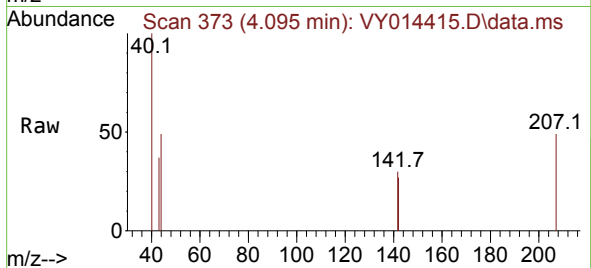
Acq: 23 Jun 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6



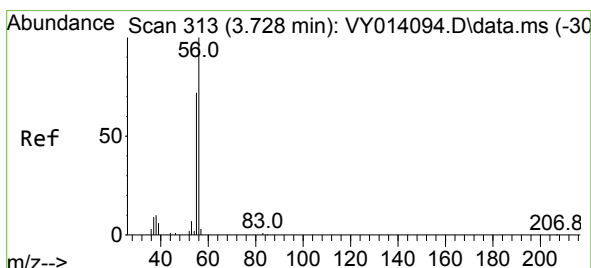
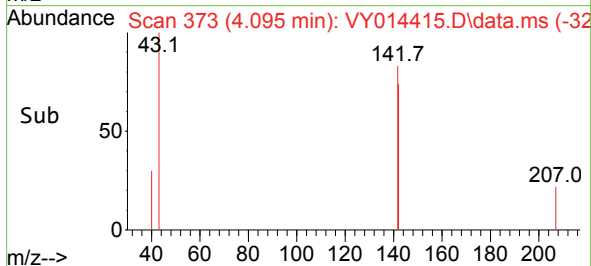
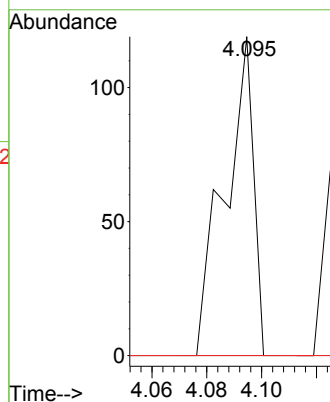
Tgt Ion:142 Resp: 86

Ion Ratio Lower Upper

142 100

127 0.0 37.6 56.4#

141 0.0 11.8 17.8#



#13

Acrolein

Concen: 4.411 ug/l

RT: 3.729 min Scan# 313

Delta R.T. 0.001 min

Lab File: VY014415.D

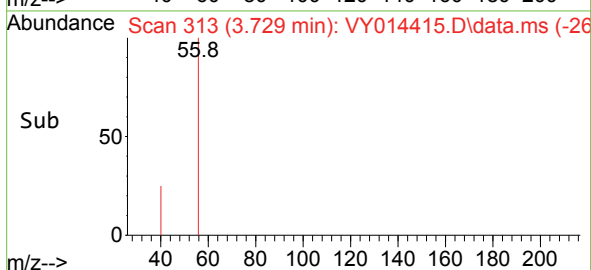
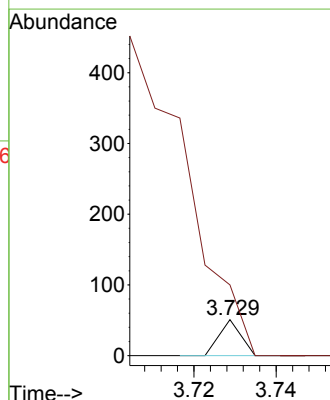
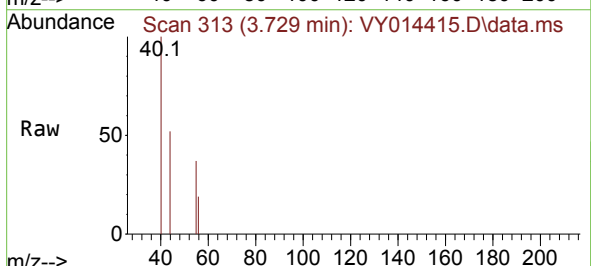
Acq: 23 Jun 2023 18:12

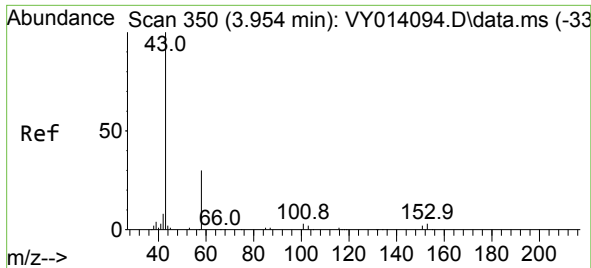
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#





#16

Acetone

Concen: 41.733 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014415.D

Acq: 23 Jun 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

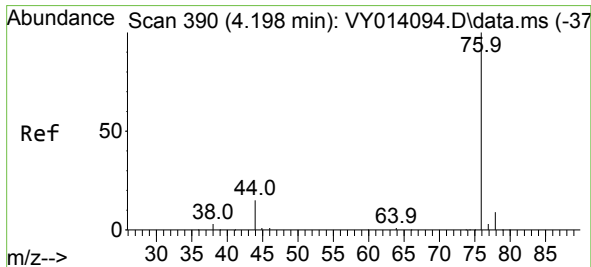
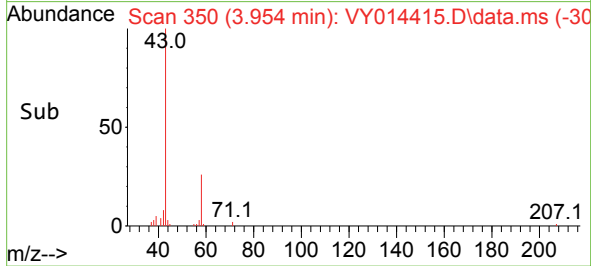
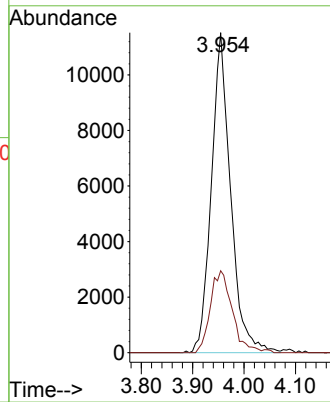
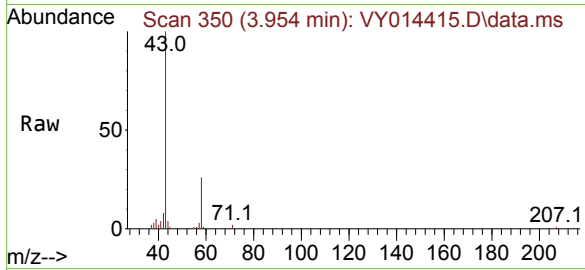
TOTAL-VOC-SB-25-GRBA-6

Tgt Ion: 43 Resp: 29965

Ion Ratio Lower Upper

43 100

58 25.6 22.7 34.1



#17

Carbon Disulfide

Concen: 1.194 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY014415.D

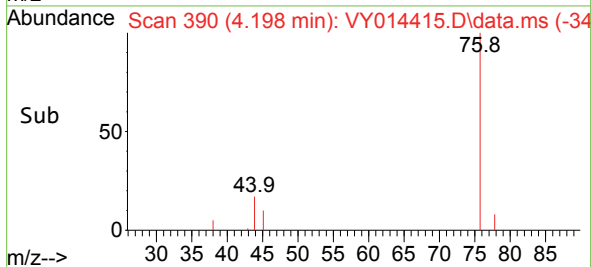
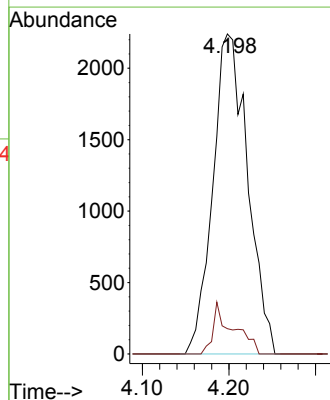
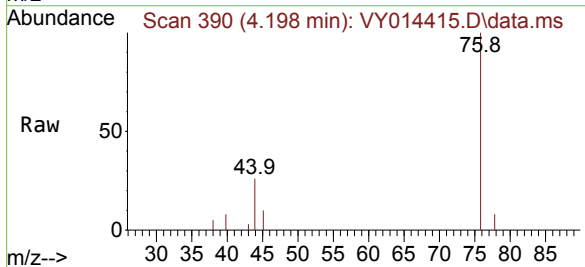
Acq: 23 Jun 2023 18:12

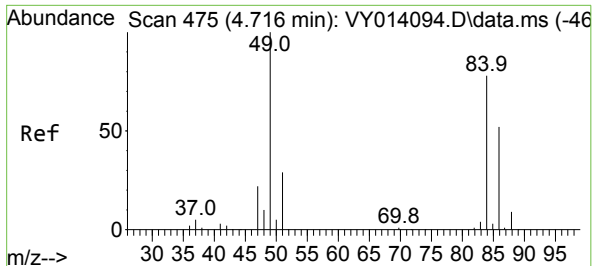
Tgt Ion: 76 Resp: 6255

Ion Ratio Lower Upper

76 100

78 7.9 7.0 10.4

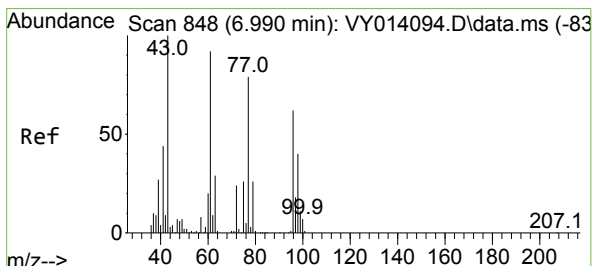
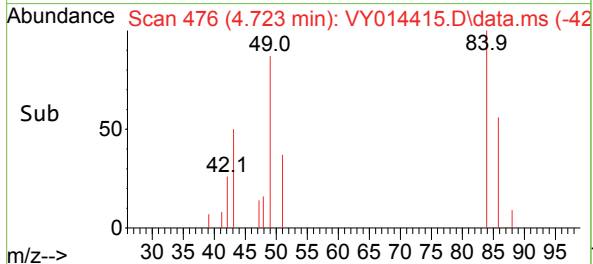
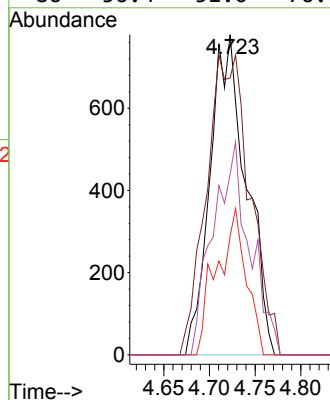
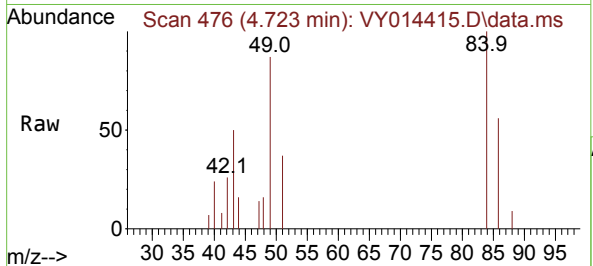




#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

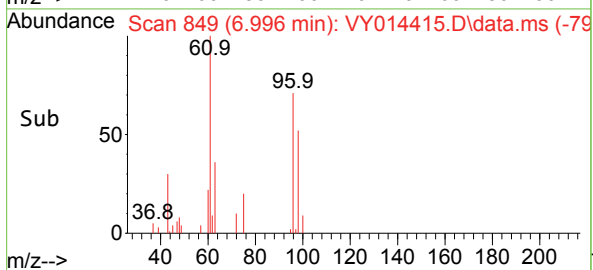
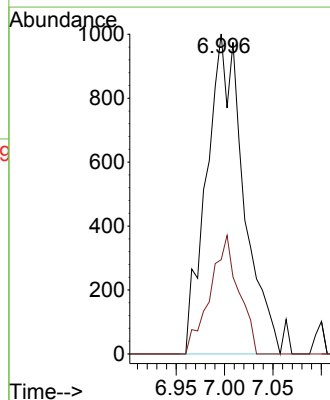
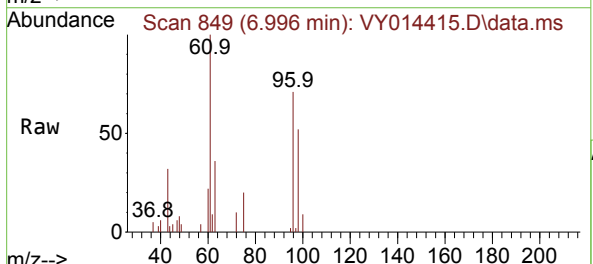
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6

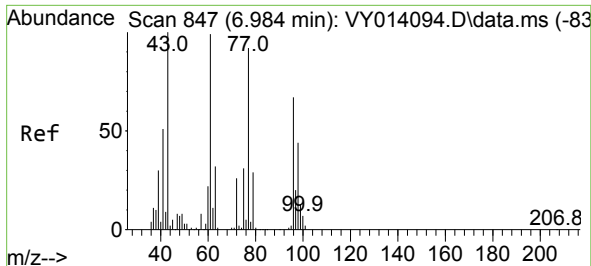
Tgt Ion:	84	Resp:	2152
Ion	Ratio	Lower	Upper
84	100		
49	86.5	106.9	160.3#
51	37.1	33.2	49.8
86	56.4	51.0	76.6



#25
2-Butanone
Concen: 2.978 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

Tgt Ion:	43	Resp:	2663
Ion	Ratio	Lower	Upper
43	100		
72	29.5	20.5	30.7





#27

cis-1,2-Dichloroethene

Concen: 3.191 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY014415.D

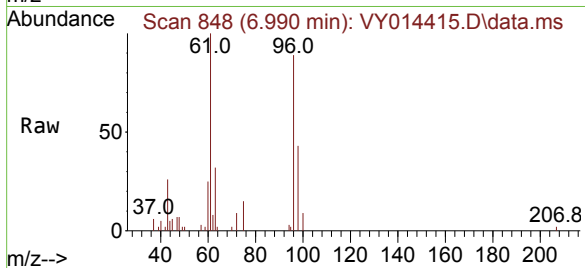
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Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6



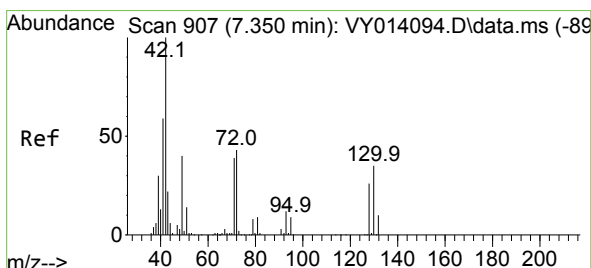
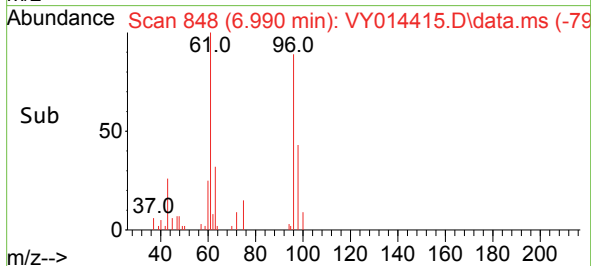
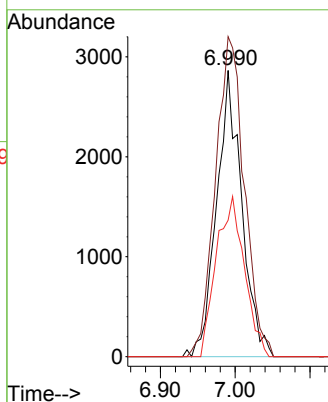
Tgt Ion: 96 Resp: 6687

Ion Ratio Lower Upper

96 100

61 128.6 0.0 301.4

98 62.8 0.0 130.4



#29

Tetrahydrofuran

Concen: 4.821 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY014415.D

Acq: 23 Jun 2023 18:12

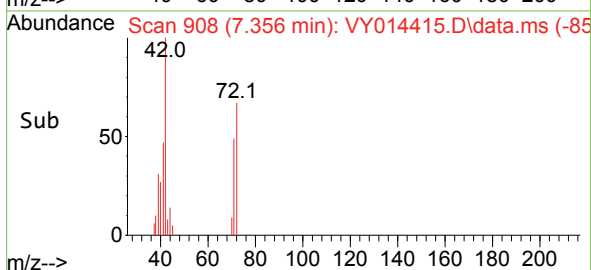
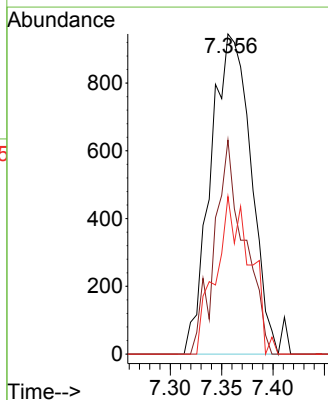
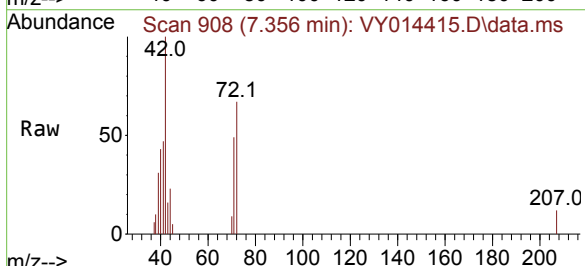
Tgt Ion: 42 Resp: 2571

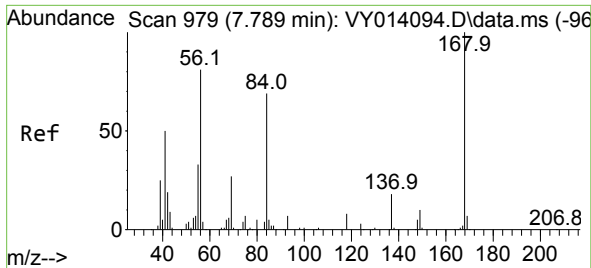
Ion Ratio Lower Upper

42 100

72 49.7 32.8 49.2#

71 42.2 31.0 46.4

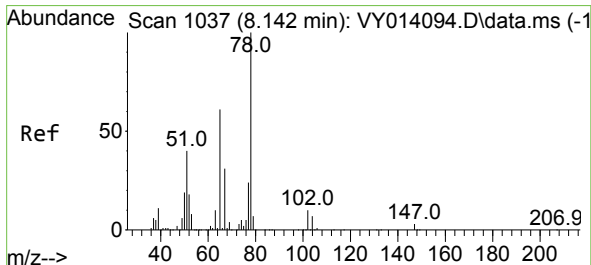
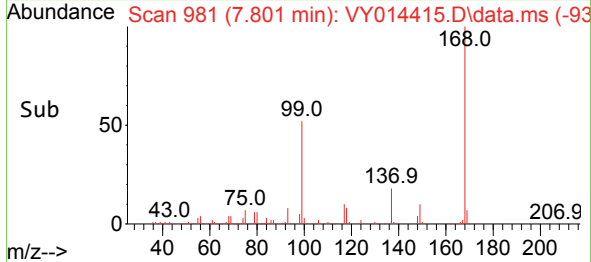
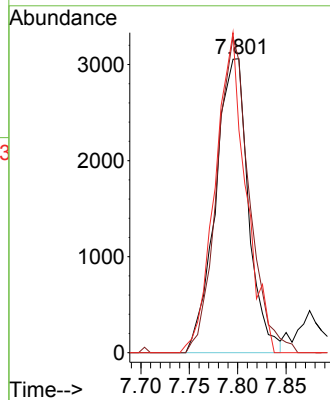
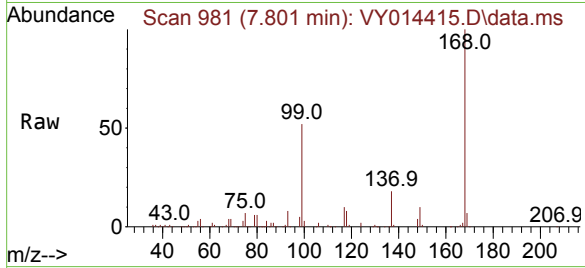




#31
Cyclohexane
Concen: 2.577 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

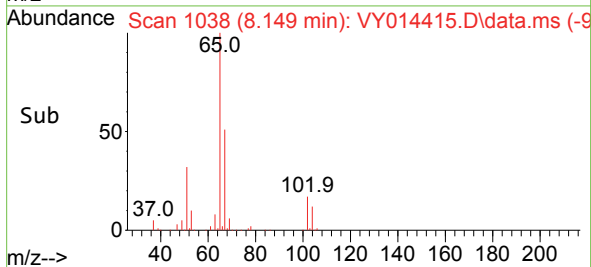
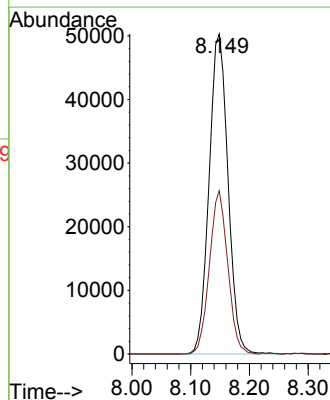
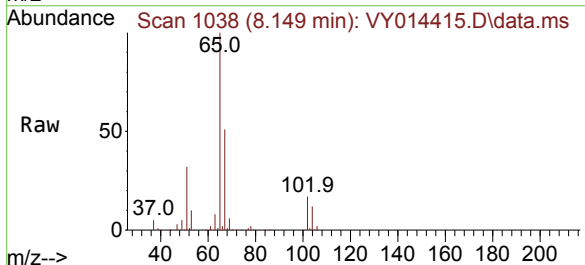
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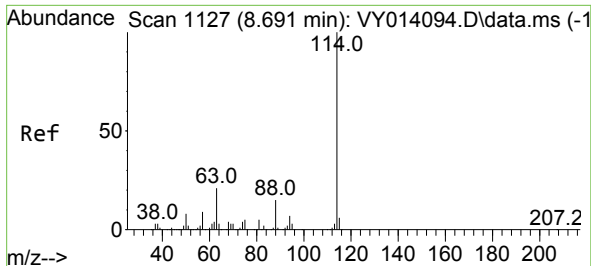
Tgt Ion: 56 Resp: 7262
Ion Ratio Lower Upper
56 100
69 99.3 27.8 41.6#
84 75.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 49.314 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

Tgt Ion: 65 Resp: 112526
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.8

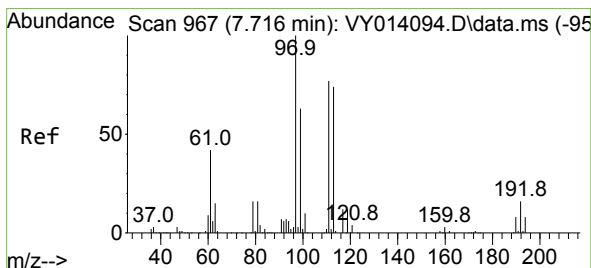
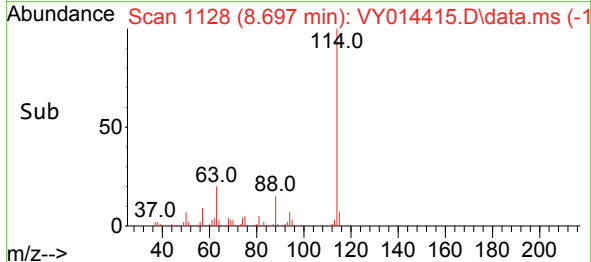
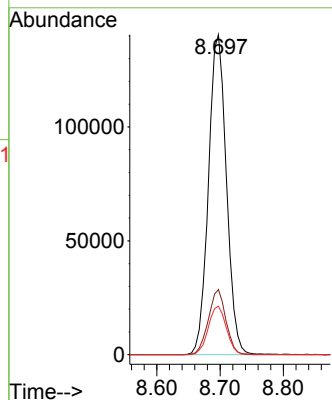
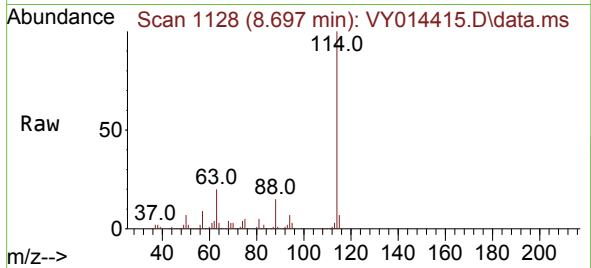




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

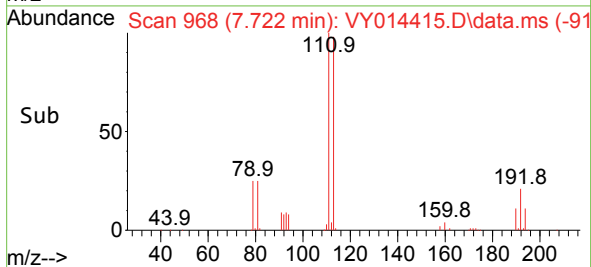
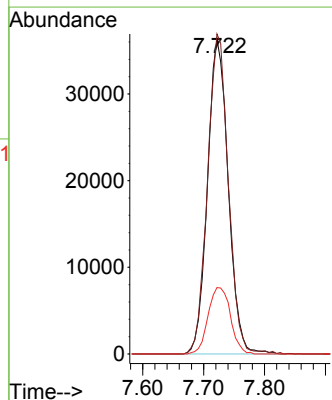
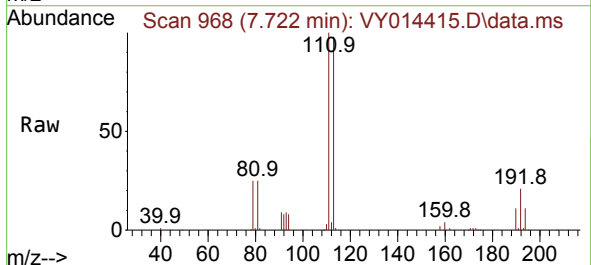
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6

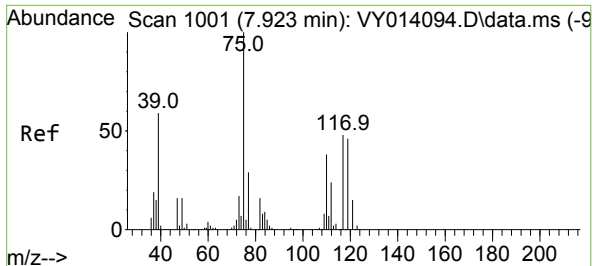
Tgt Ion:114 Resp: 277702
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.122 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

Tgt Ion:113 Resp: 85995
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 22.7 16.9 25.3

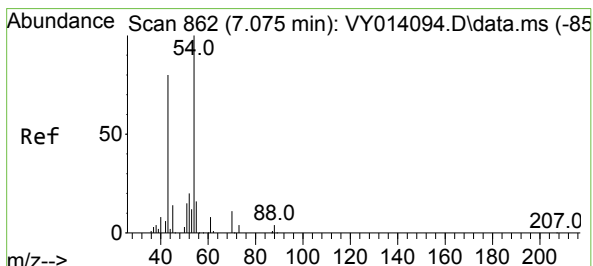
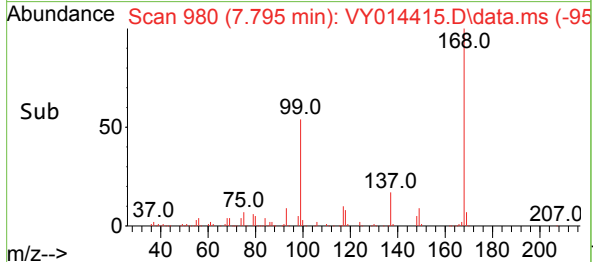
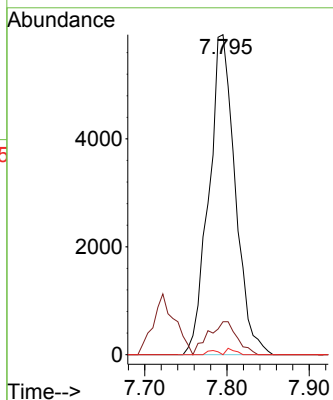
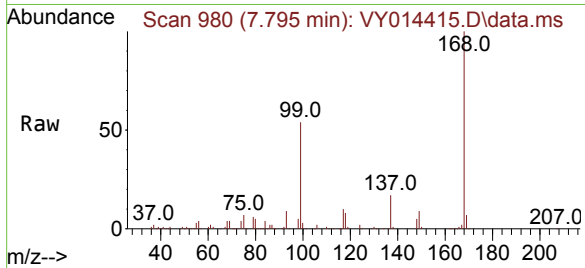




#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

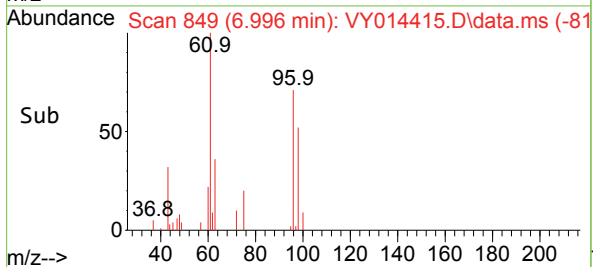
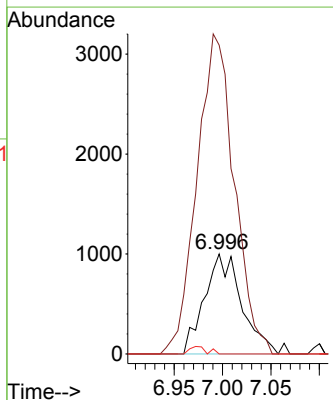
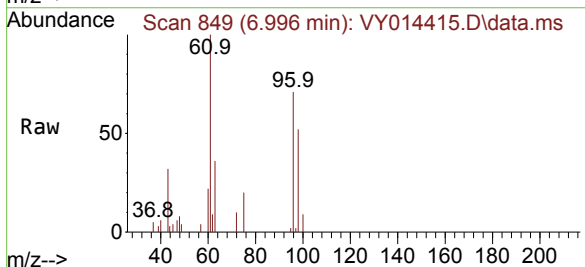
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6

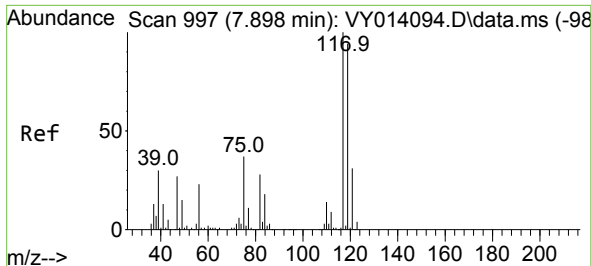
Tgt Ion: 75 Resp: 13193
Ion Ratio Lower Upper
75 100
110 11.2 17.8 53.5#
77 0.7 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.462 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.079 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

Tgt Ion: 43 Resp: 2663
Ion Ratio Lower Upper
43 100
61 323.0 10.1 15.1#
70 0.0 7.1 10.7#

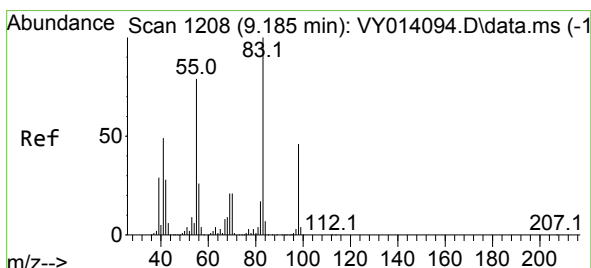
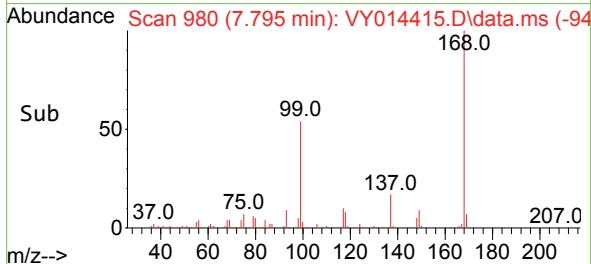
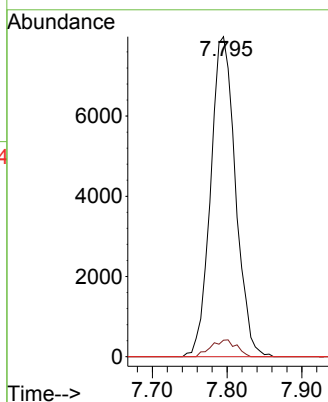
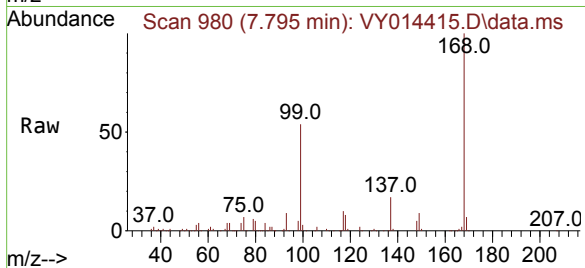




#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

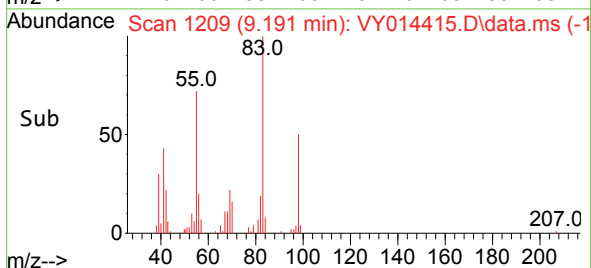
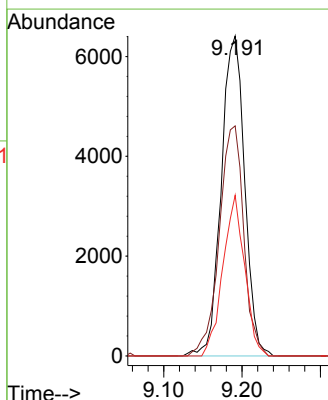
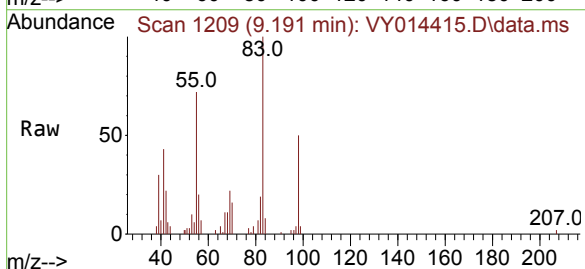
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6

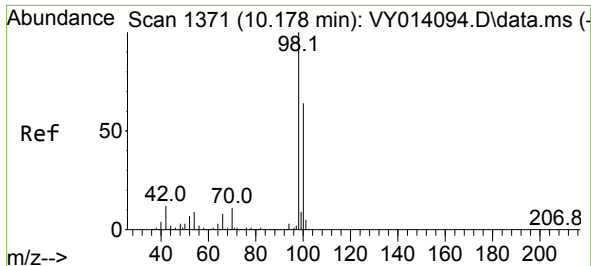
Tgt Ion:117 Resp: 18470
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 4.378 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

Tgt Ion: 83 Resp: 13316
Ion Ratio Lower Upper
83 100
55 71.9 63.0 94.4
98 50.2 37.4 56.2

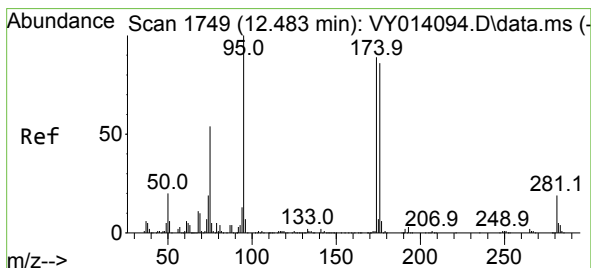
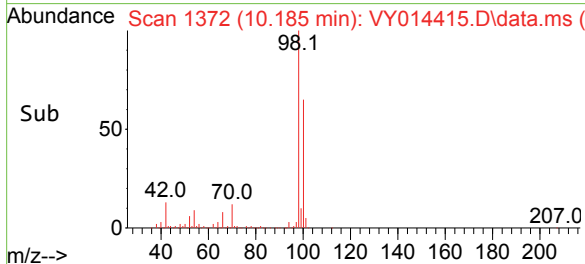
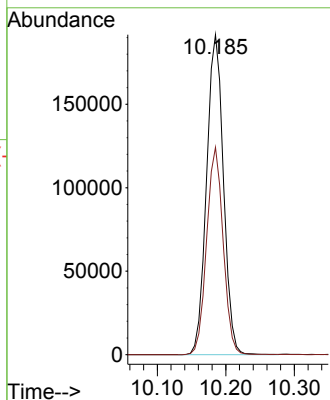
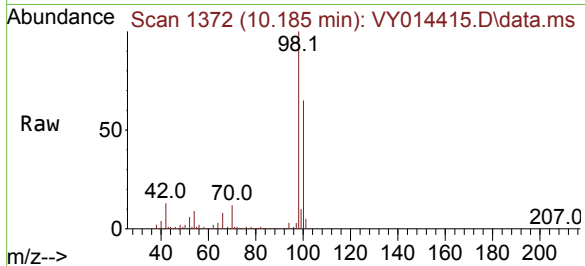




#50
Toluene-d8
Concen: 48.173 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.007 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

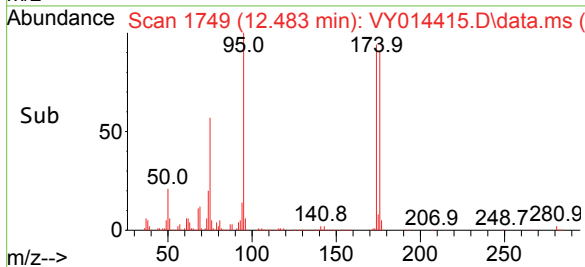
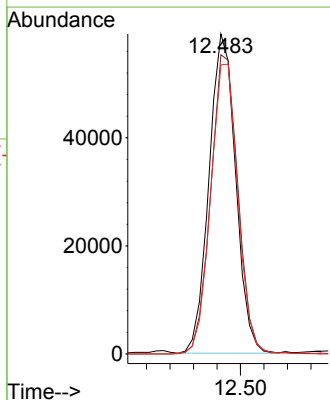
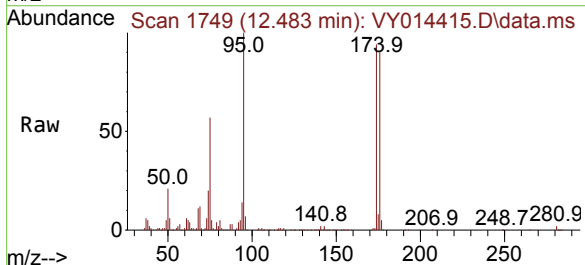
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6

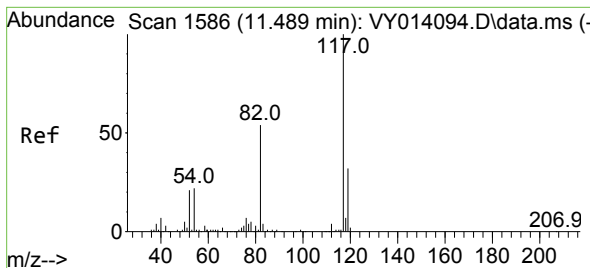
Tgt Ion: 98 Resp: 328543
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 38.227 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

Tgt Ion: 95 Resp: 93075
Ion Ratio Lower Upper
95 100
174 95.8 0.0 178.2
176 93.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014415.D

Acq: 23 Jun 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-25-GRBA-6

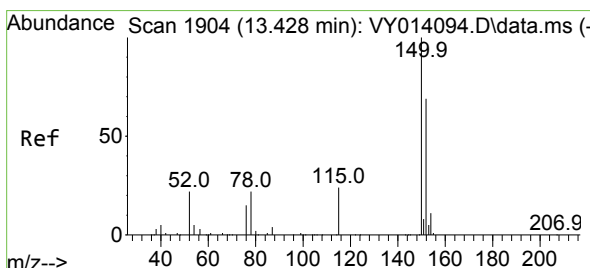
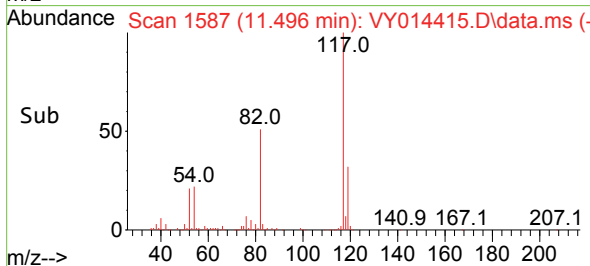
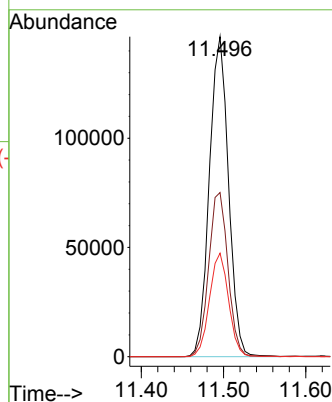
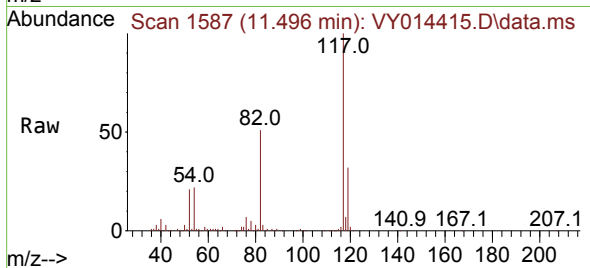
Tgt Ion:117 Resp: 237137

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014415.D

Acq: 23 Jun 2023 18:12

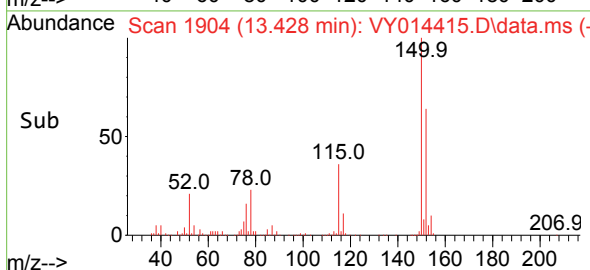
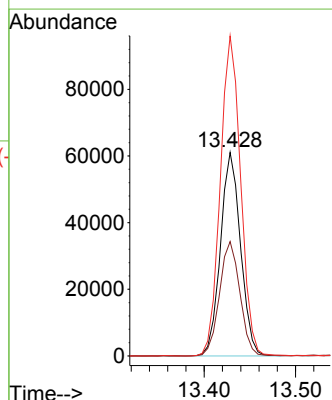
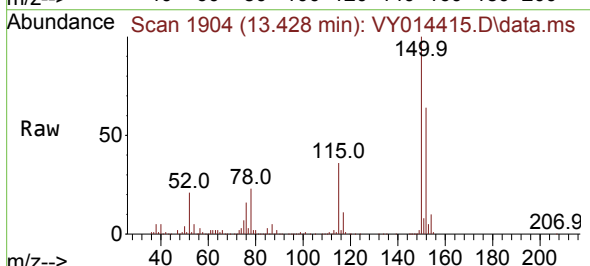
Tgt Ion:152 Resp: 93454

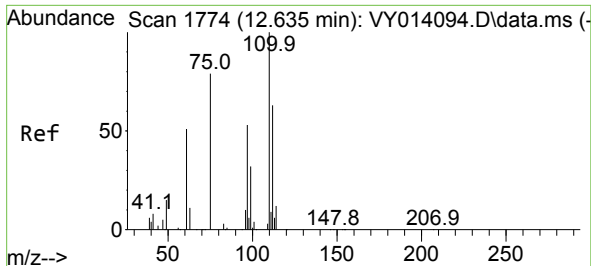
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 159.0 0.0 348.8

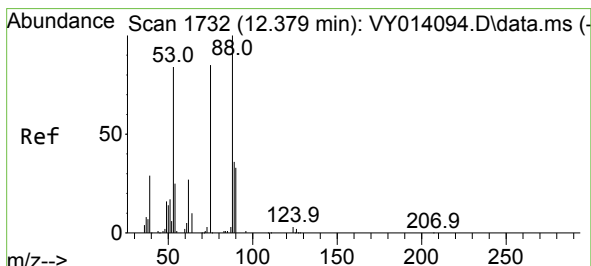
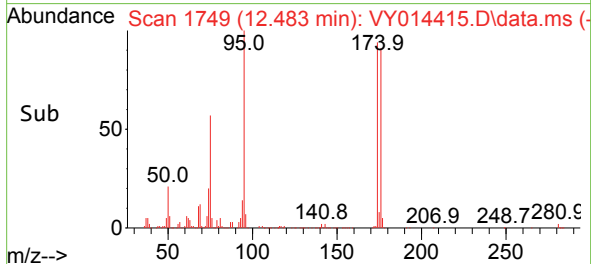
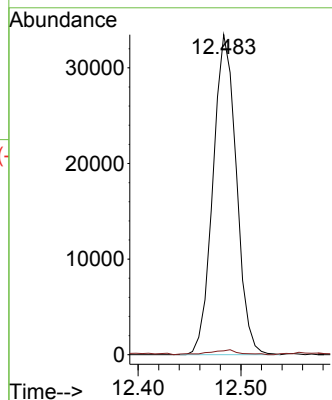
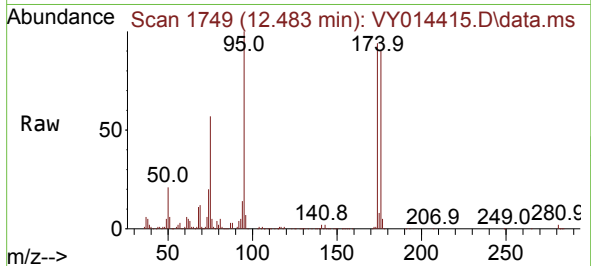




#76
1,2,3-Trichloropropane
Concen: 45.112 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

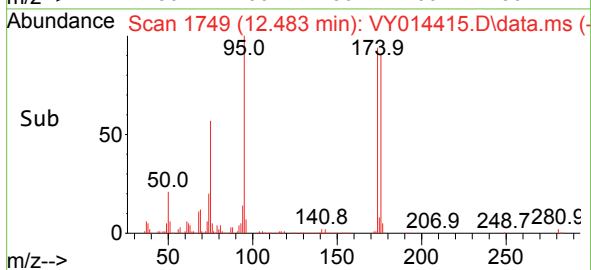
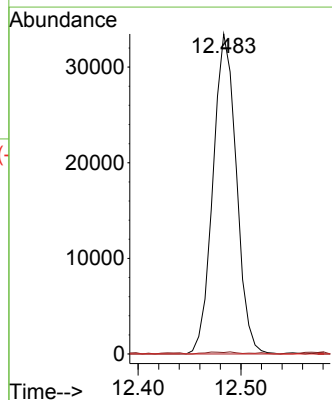
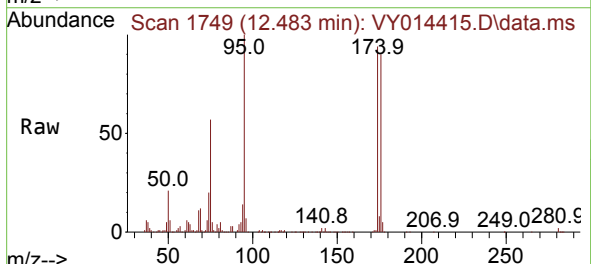
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-25-GRBA-6

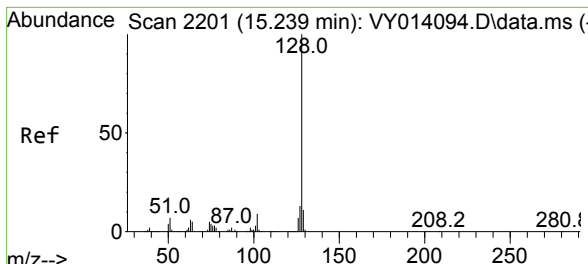
Tgt Ion: 75 Resp: 52885
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.705 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014415.D
Acq: 23 Jun 2023 18:12

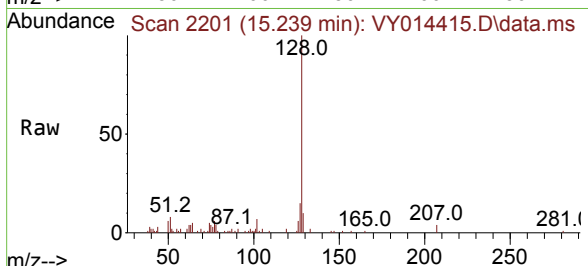
Tgt Ion: 75 Resp: 52885
Ion Ratio Lower Upper
75 100
53 0.8 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 3.305 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014415.D
 Acq: 23 Jun 2023 18:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-25-GRBA-6



Tgt Ion:	128	Resp:	13299
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	11.9	8.6	13.0

