

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014393.D
 Acq On : 22 Jun 2023 20:43
 Operator : KP/MD
 Sample : 03362-12RE
 Misc : 13.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

Quant Time: Jun 23 05:01:57 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)

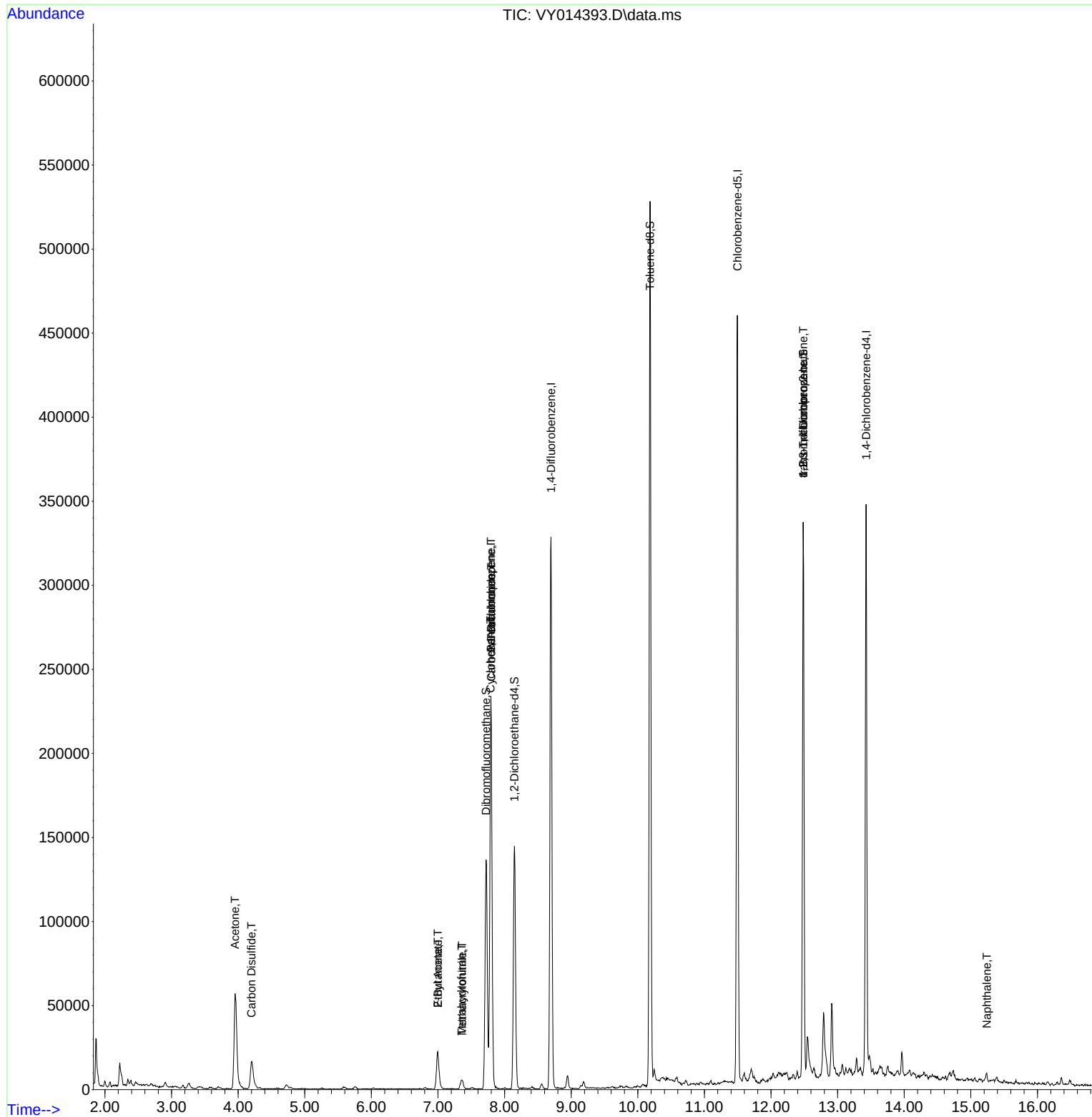
Internal Standards						
1) Pentafluorobenzene	7.795	168	180025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	281578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	246491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122363	48.811	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.620%		
35) Dibromofluoromethane	7.722	113	92848	46.496	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.000%		
50) Toluene-d8	10.185	98	337137	45.159	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.320%		
62) 4-Bromofluorobenzene	12.483	95	92613	34.922	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.840%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	408	Below Cal	#	89
13) Acrolein	3.753	56	528	Below Cal	#	14
16) Acetone	3.954	43	105305	139.357	ug/l	100
17) Carbon Disulfide	4.198	76	28376	4.260	ug/l	96
20) Methylene Chloride	4.722	84	1585	Below Cal	#	62
25) 2-Butanone	6.996	43	31518	33.884	ug/l	94
29) Tetrahydrofuran	7.356	42	3933	6.668	ug/l	98
31) Cyclohexane	7.789	56	4288	1.277	ug/l #	25
36) 1,1-Dichloropropene	7.795	75	12945	4.158	ug/l #	50
37) Ethyl Acetate	6.996	43	31518	14.673	ug/l #	81
38) Carbon Tetrachloride	7.801	117	17622	4.905	ug/l #	15
41) Methacrylonitrile	7.362	41	2647	2.415	ug/l #	40
76) 1,2,3-Trichloropropane	12.483	75	51257	45.887	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51257	99.191	ug/l #	11
95) Naphthalene	15.239	128	3972	1.055	ug/l #	91

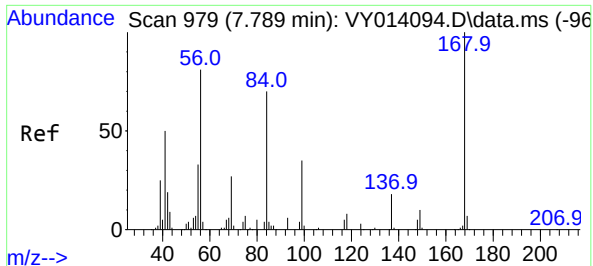
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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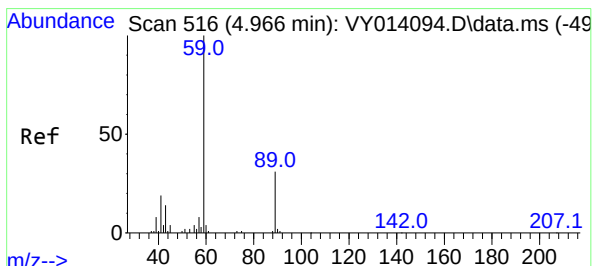
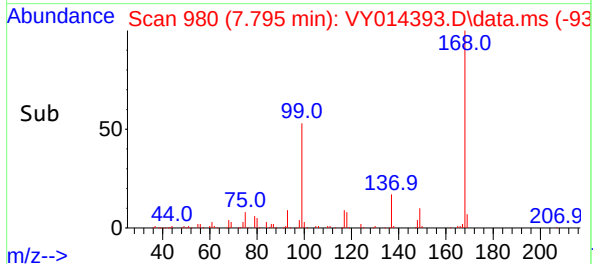
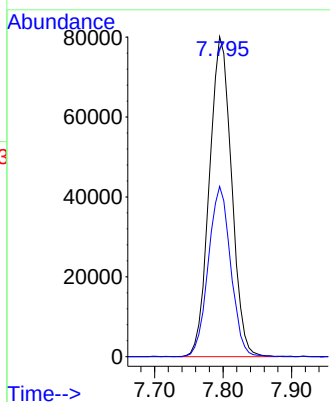
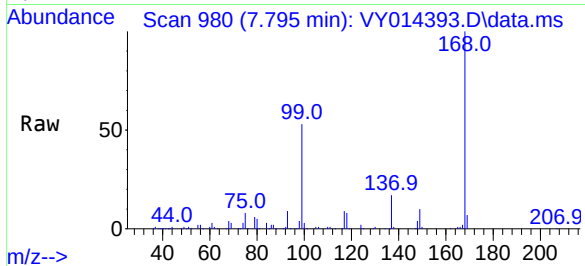




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

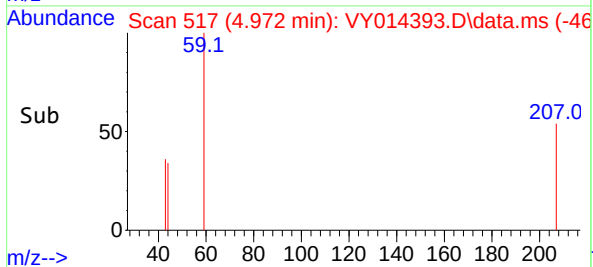
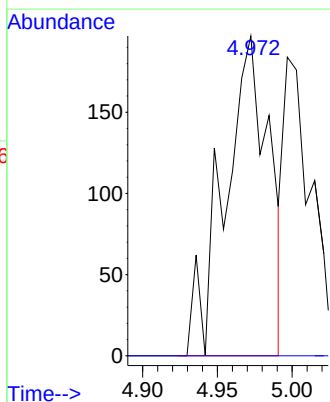
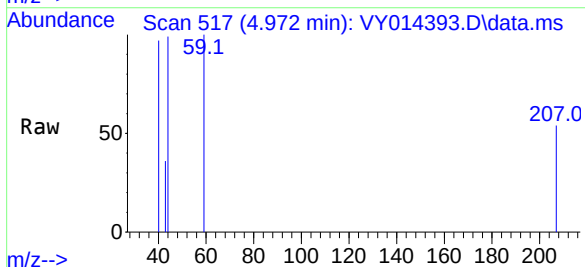
Instrument :
MSVOA_Y
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TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

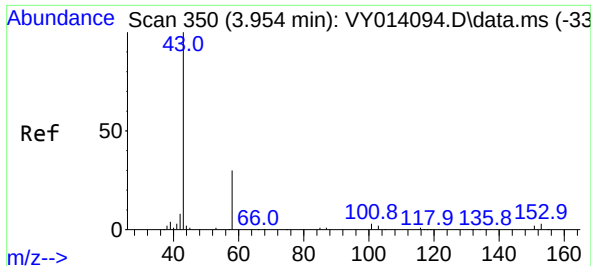
Tgt Ion:168 Resp: 180025
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 59 Resp: 408
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

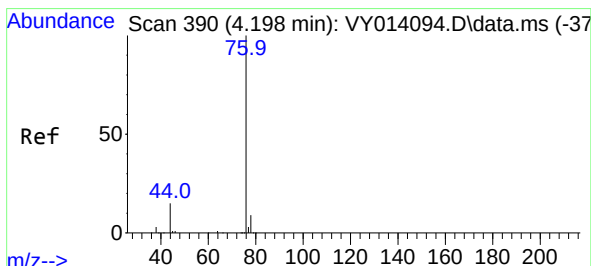
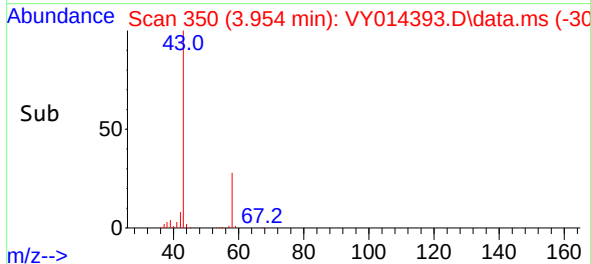
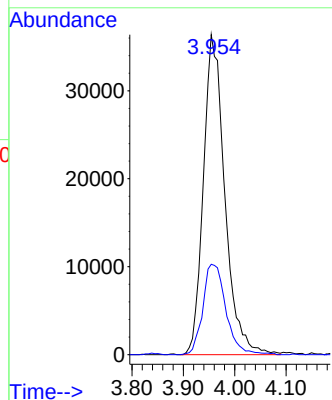
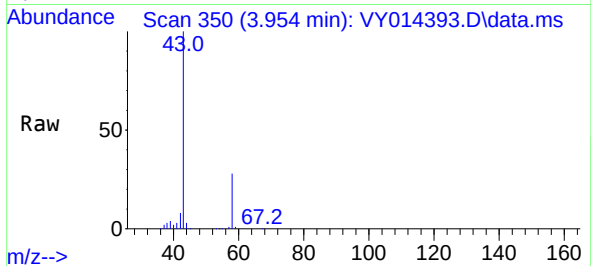




#16
Acetone
Concen: 139.357 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

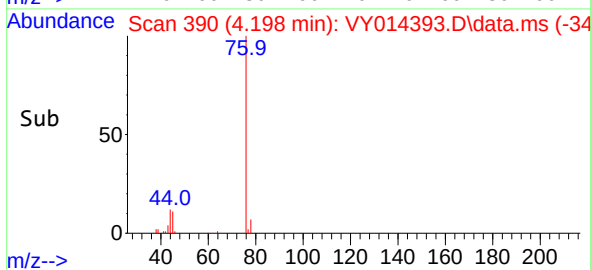
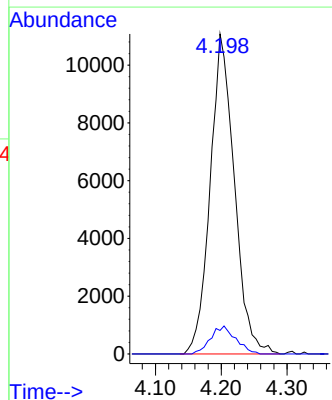
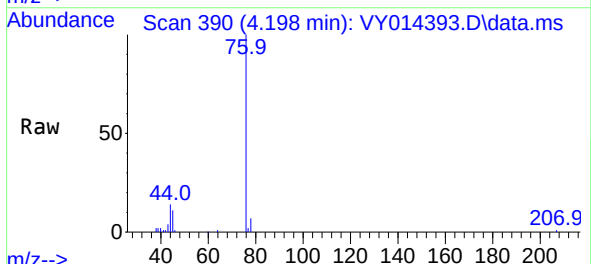
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

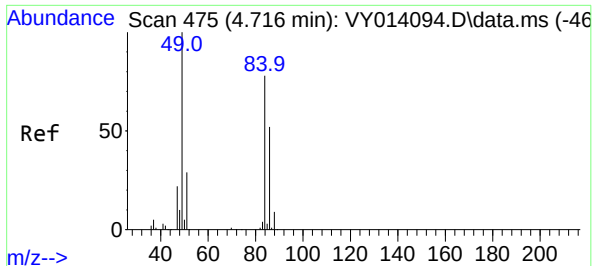
Tgt Ion: 43 Resp: 105305
Ion Ratio Lower Upper
43 100
58 28.2 22.7 34.1



#17
Carbon Disulfide
Concen: 4.260 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 76 Resp: 28376
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4

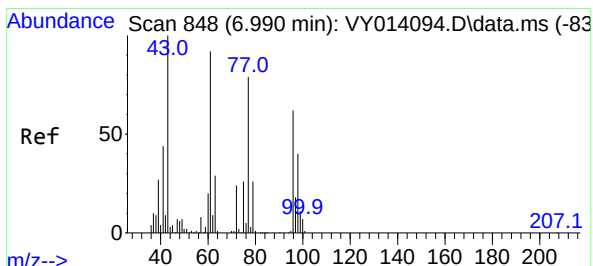
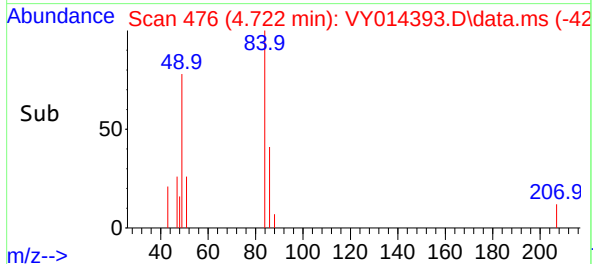
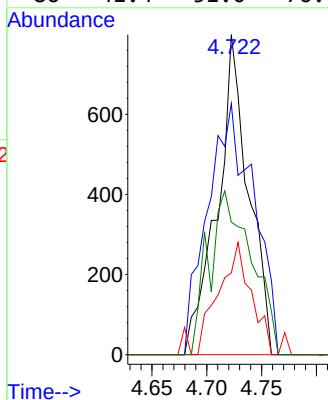
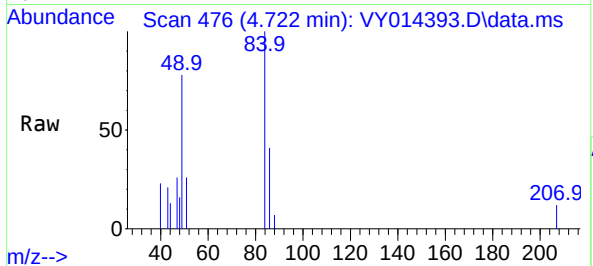




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

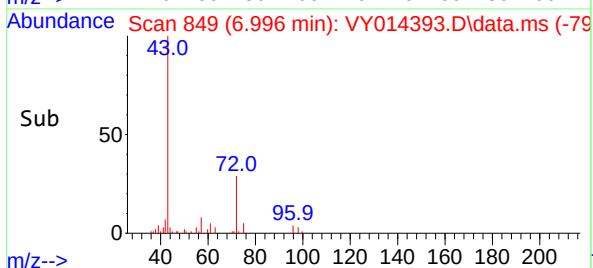
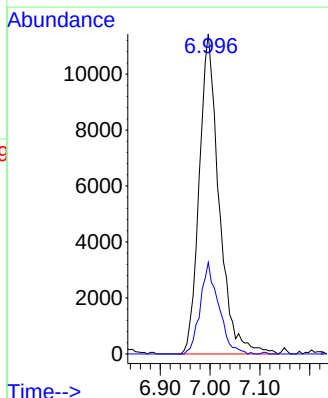
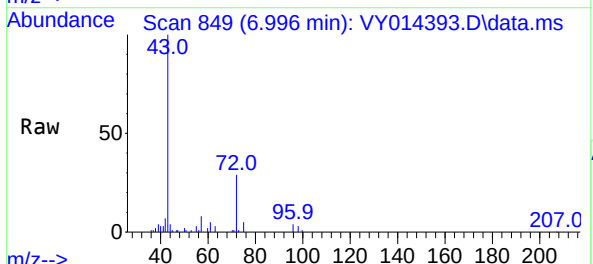
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

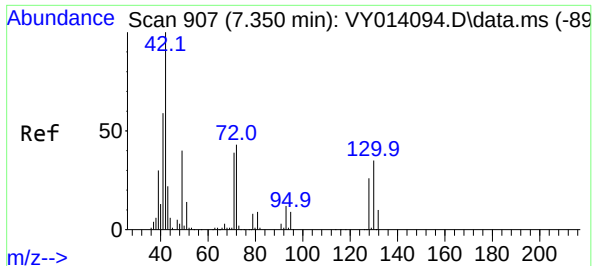
Tgt Ion: 84 Resp: 1585
Ion Ratio Lower Upper
84 100
49 78.5 106.9 160.3#
51 25.5 33.2 49.8#
86 41.4 51.0 76.6#



#25
2-Butanone
Concen: 33.884 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 43 Resp: 31518
Ion Ratio Lower Upper
43 100
72 28.6 20.5 30.7





#29

Tetrahydrofuran

Concen: 6.668 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014393.D

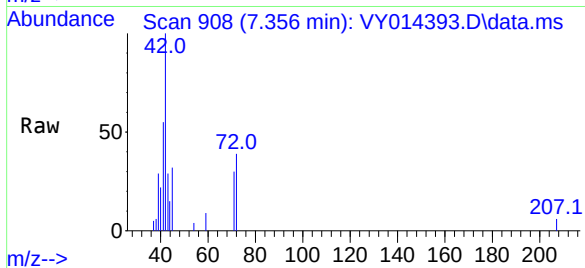
Acq: 22 Jun 2023 20:43

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE



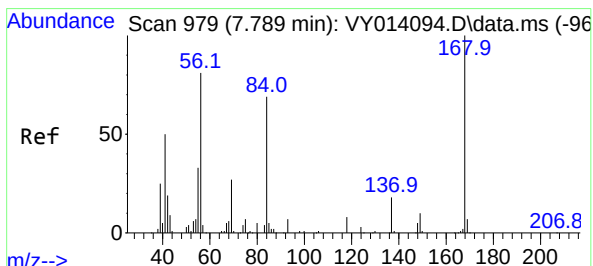
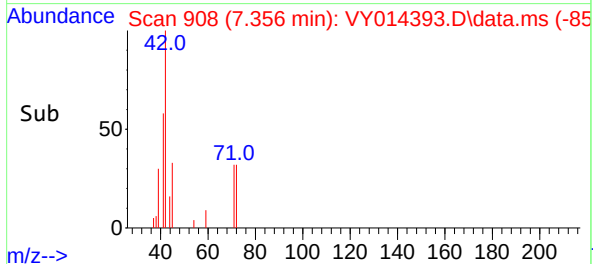
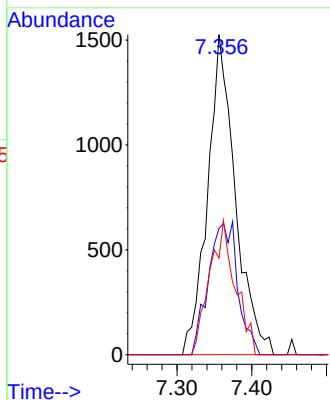
Tgt Ion: 42 Resp: 3933

Ion Ratio Lower Upper

42 100

72 43.7 32.8 49.2

71 39.0 31.0 46.4



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY014393.D

Acq: 22 Jun 2023 20:43

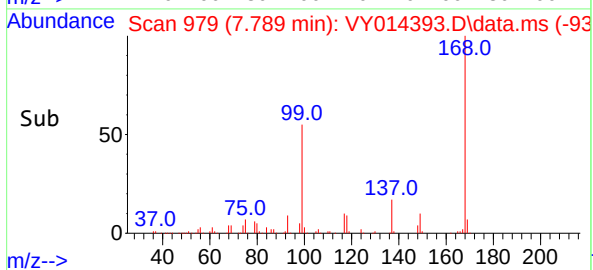
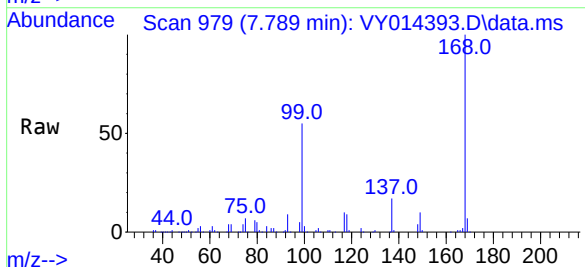
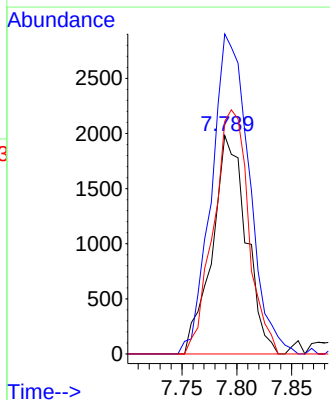
Tgt Ion: 56 Resp: 4288

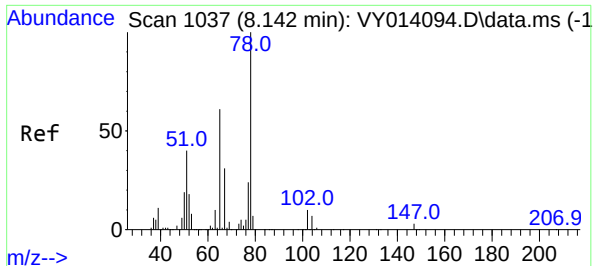
Ion Ratio Lower Upper

56 100

69 146.5 27.8 41.6#

84 106.5 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.811 ug/l

RT: 8.149 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014393.D

Acq: 22 Jun 2023 20:43

Instrument :

MSVOA_Y

ClientSampleId :

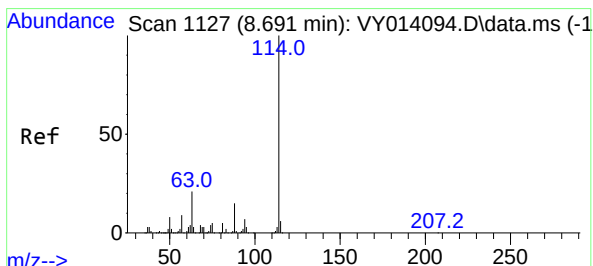
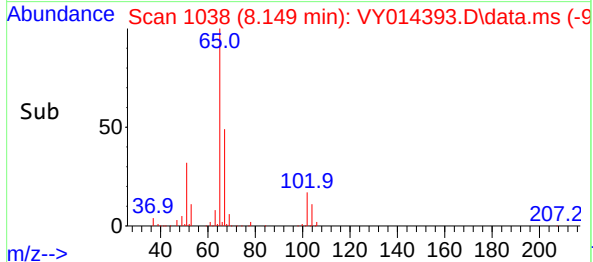
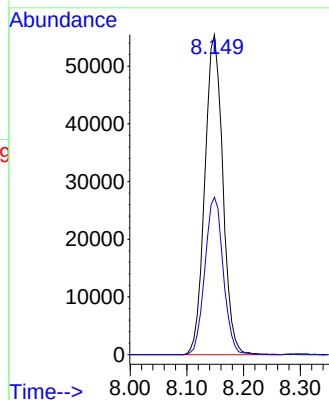
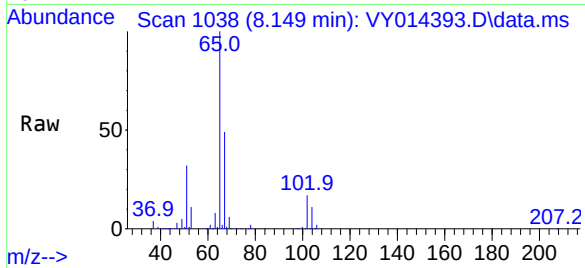
TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

Tgt Ion: 65 Resp: 122363

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY014393.D

Acq: 22 Jun 2023 20:43

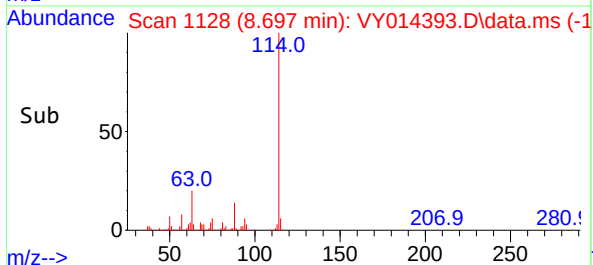
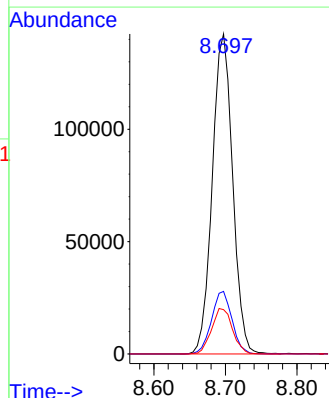
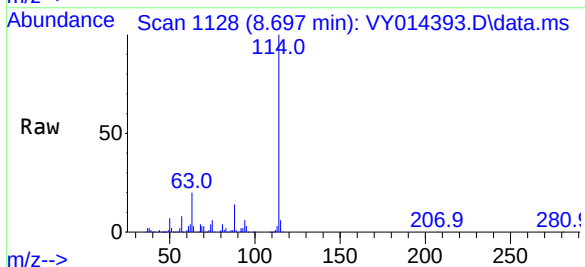
Tgt Ion:114 Resp: 281578

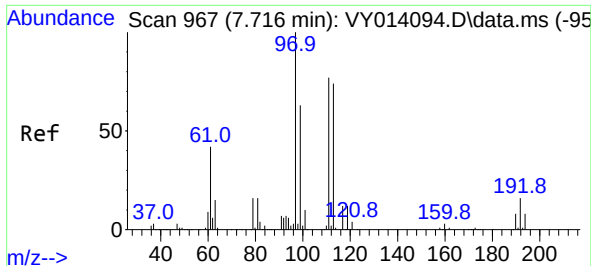
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 13.9 0.0 30.6

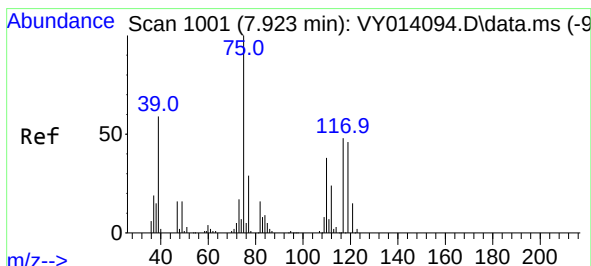
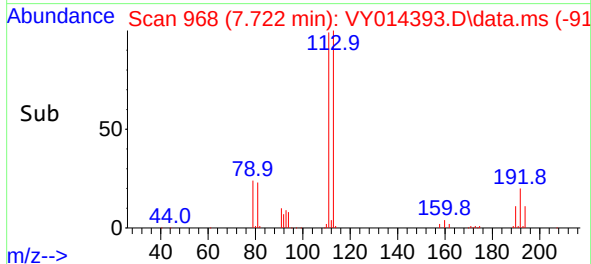
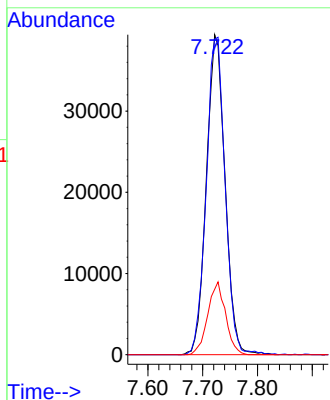
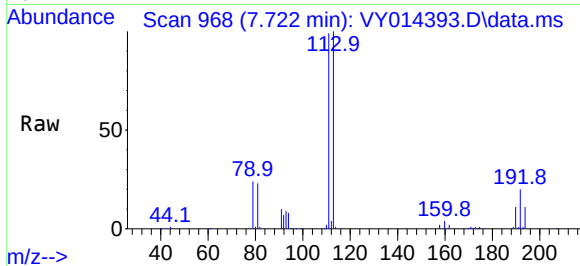




#35
Dibromofluoromethane
Concen: 46.496 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

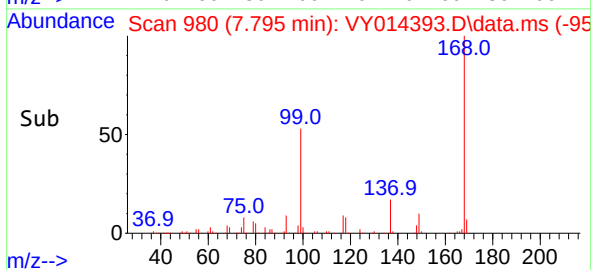
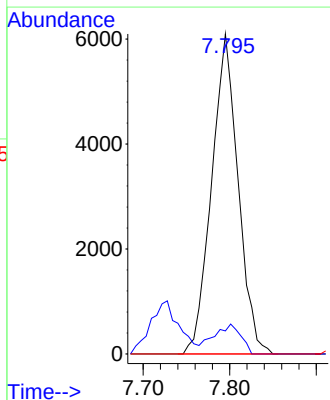
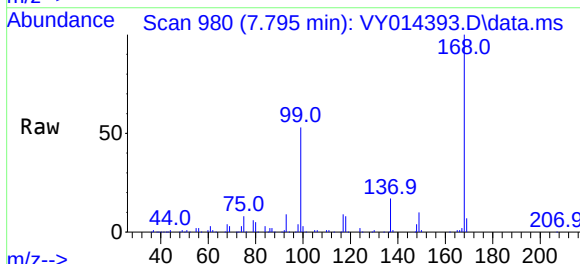
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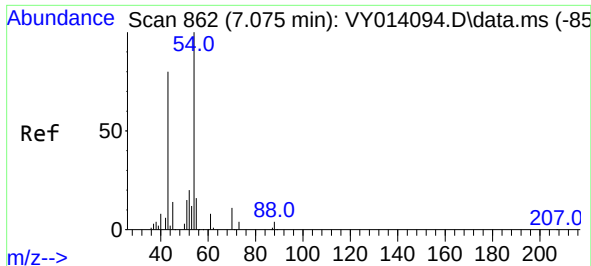
Tgt Ion:113 Resp: 92848
Ion Ratio Lower Upper
113 100
111 100.6 81.3 121.9
192 21.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.158 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 75 Resp: 12945
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 14.673 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.079 min

Lab File: VY014393.D

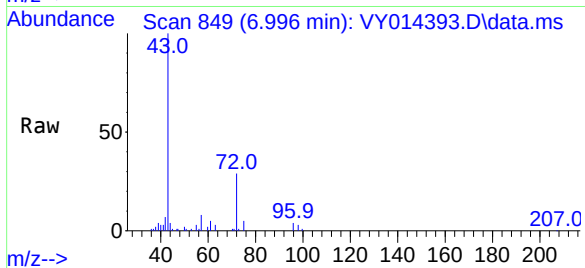
Acq: 22 Jun 2023 20:43

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE



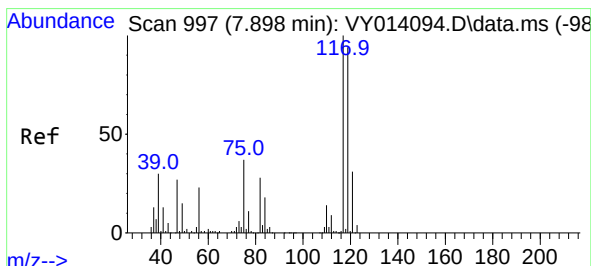
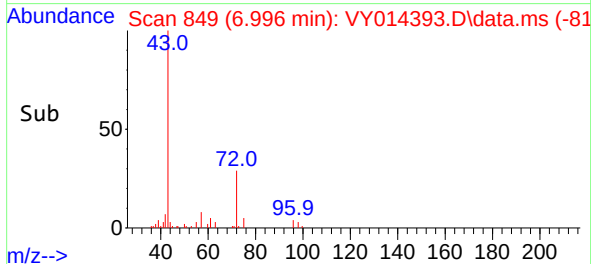
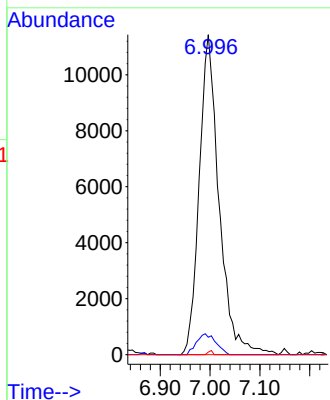
Tgt Ion: 43 Resp: 31518

Ion Ratio Lower Upper

43 100

61 6.4 10.1 15.1#

70 0.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.905 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014393.D

Acq: 22 Jun 2023 20:43

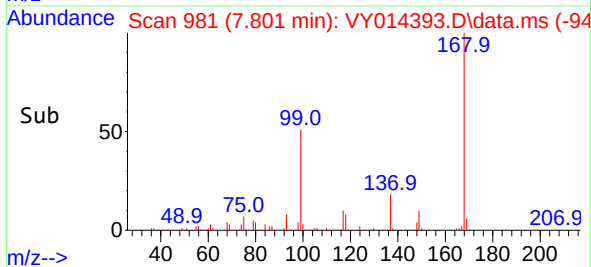
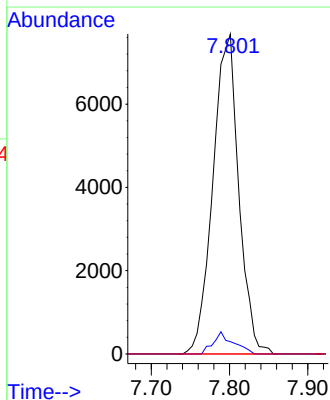
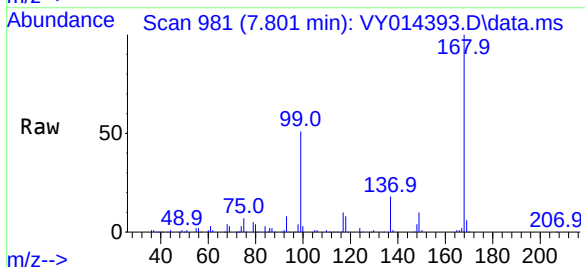
Tgt Ion: 117 Resp: 17622

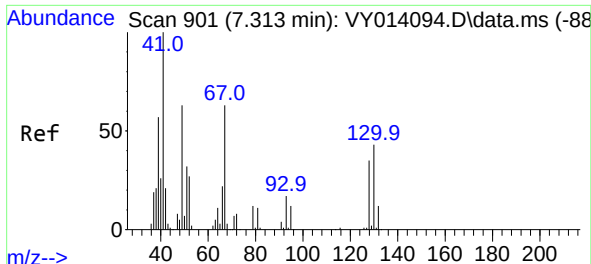
Ion Ratio Lower Upper

117 100

119 3.8 76.4 114.6#

121 0.0 25.8 38.6#

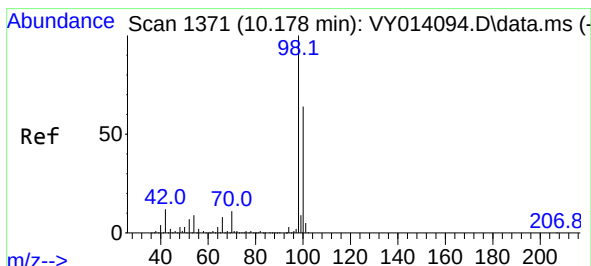
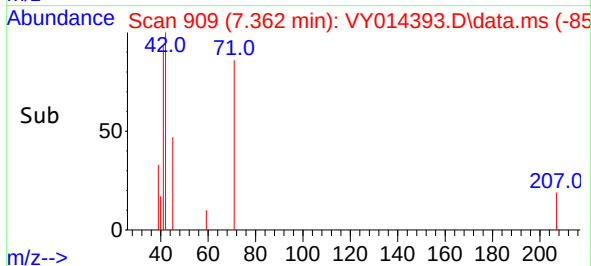
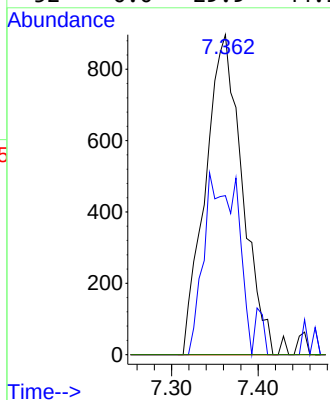
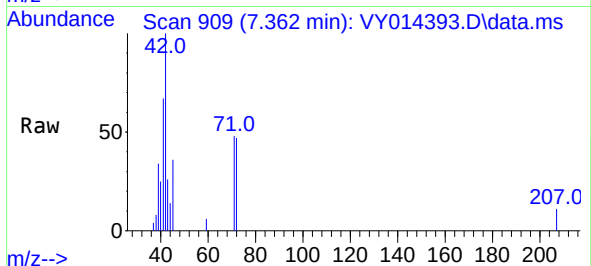




#41
Methacrylonitrile
Concen: 2.415 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

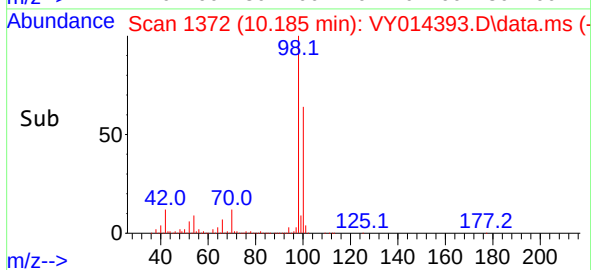
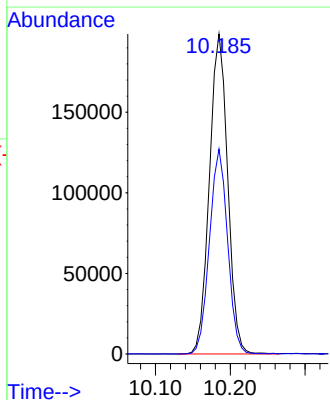
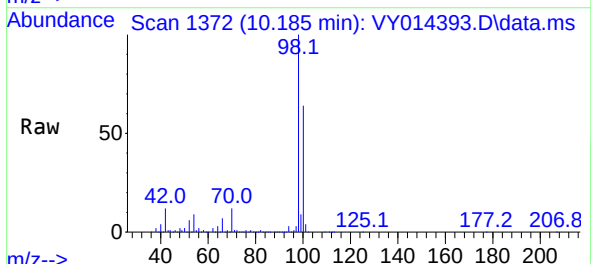
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

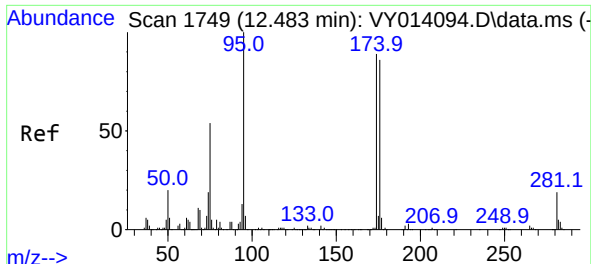
Tgt Ion: 41	Resp: 2647
Ion Ratio	Lower Upper
41	100
39	51.3 52.1 78.1#
67	0.0 66.2 99.2#
52	0.0 29.9 44.9#



#50
Toluene-d8
Concen: 45.159 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 98	Resp: 337137
Ion Ratio	Lower Upper
98	100
100	63.6 50.1 75.1

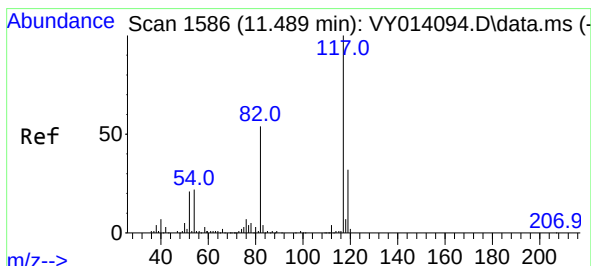
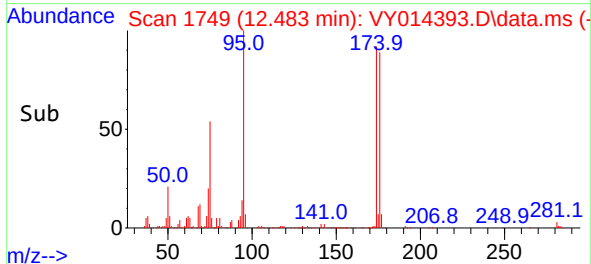
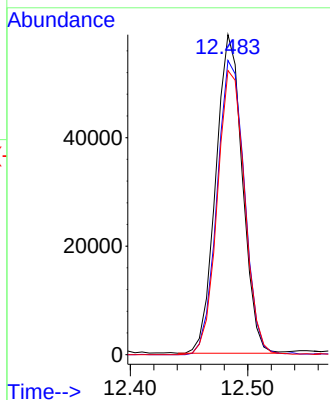
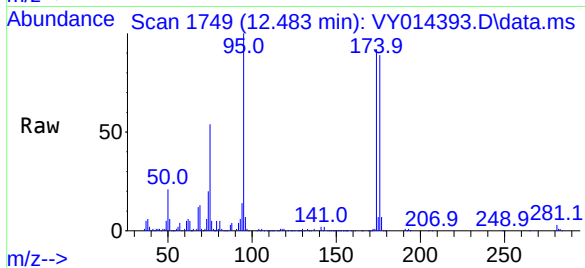




#62
4-Bromofluorobenzene
Concen: 34.922 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

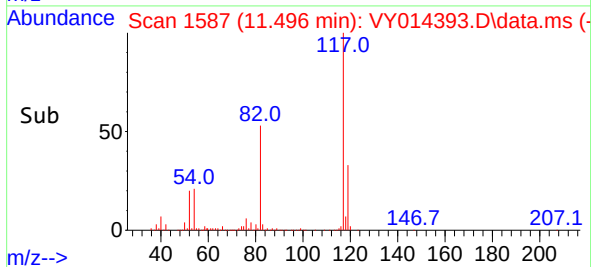
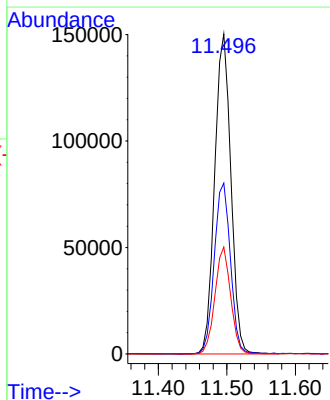
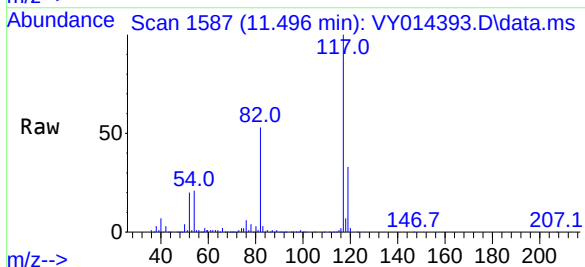
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

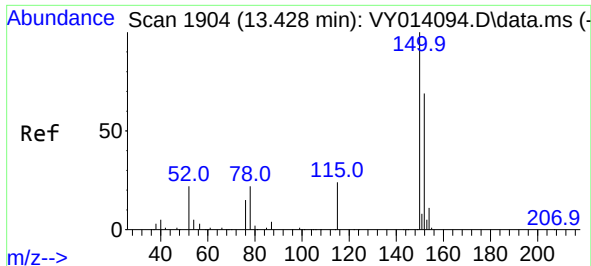
Tgt Ion:	95	Resp:	92613
Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	178.2
176	91.5	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion:	117	Resp:	246491
Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.4	65.0
119	33.4	26.3	39.5

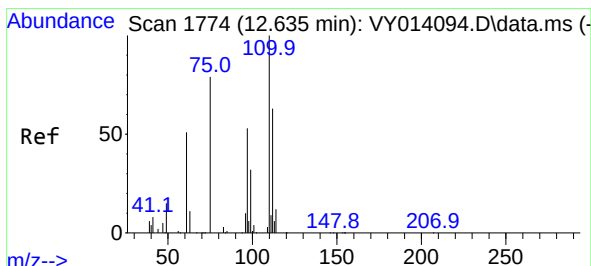
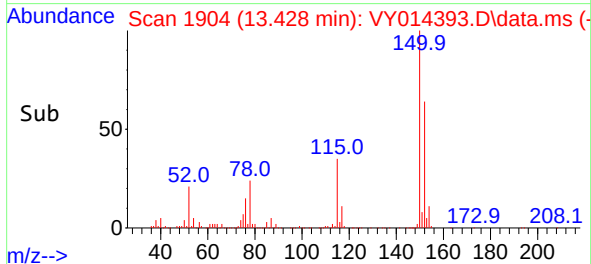
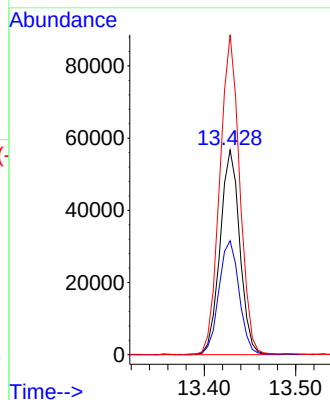
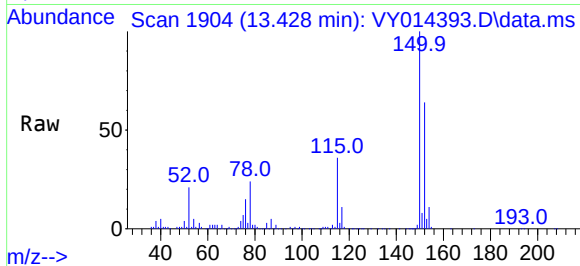




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

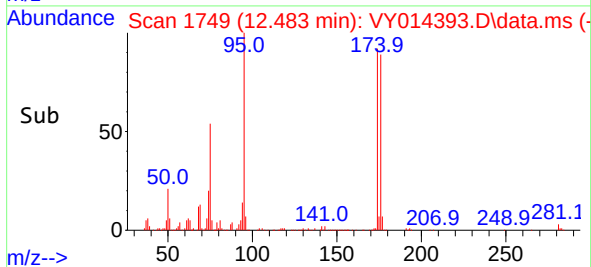
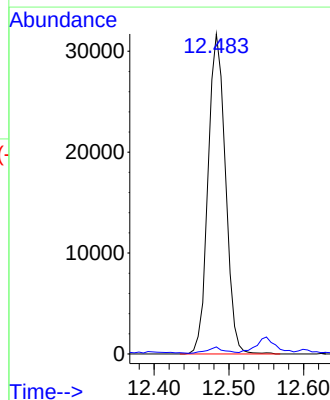
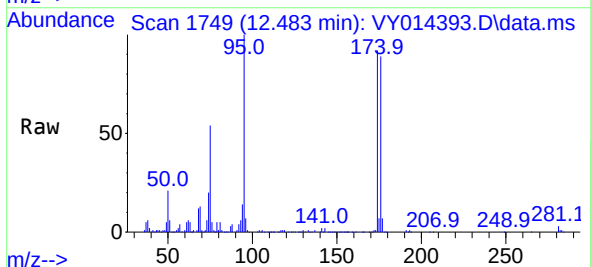
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

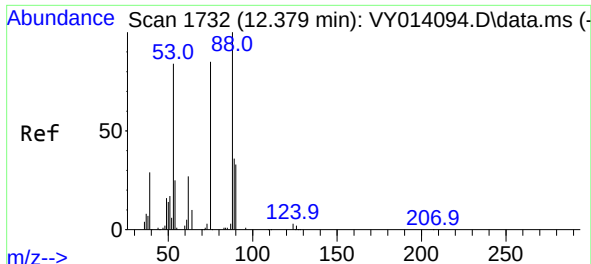
Tgt Ion:152 Resp: 85140
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 158.0 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 45.887 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 75 Resp: 51257
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#

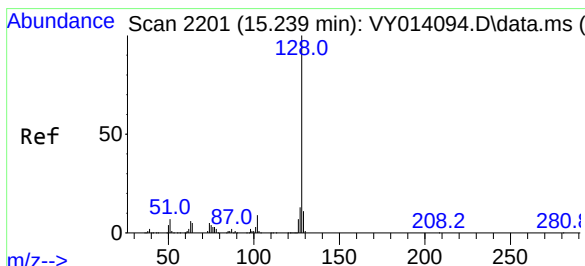
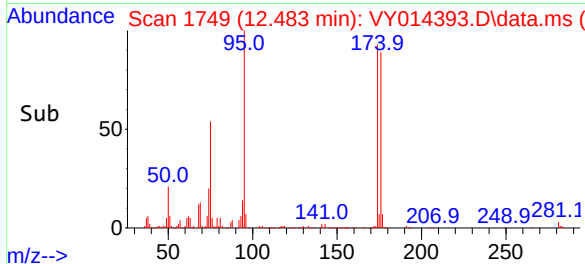
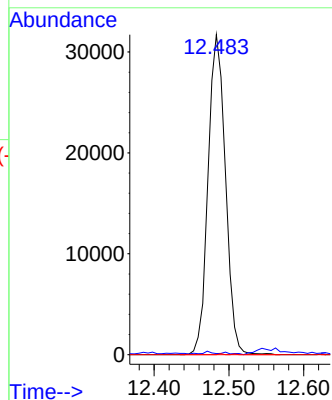
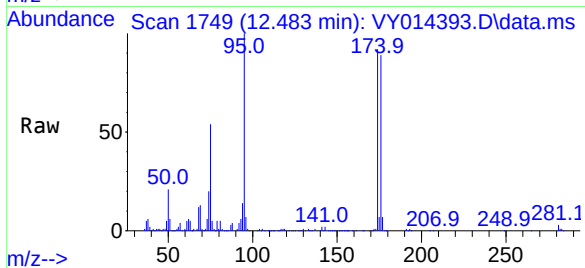




#81
trans-1,4-Dichloro-2-butene
Concen: 99.191 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5RE

Tgt Ion: 75 Resp: 51257
Ion Ratio Lower Upper
75 100
53 0.5 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 1.055 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY014393.D
Acq: 22 Jun 2023 20:43

Tgt Ion: 128 Resp: 3972
Ion Ratio Lower Upper
128 100
127 17.6 10.8 16.2#
129 14.0 8.6 13.0#

