

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014194.D
 Acq On : 15 Jun 2023 17:03
 Operator : KP/MD
 Sample : 03223-18
 Misc : 8.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-11-GRAB-7

Quant Time: Jun 16 02:10:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

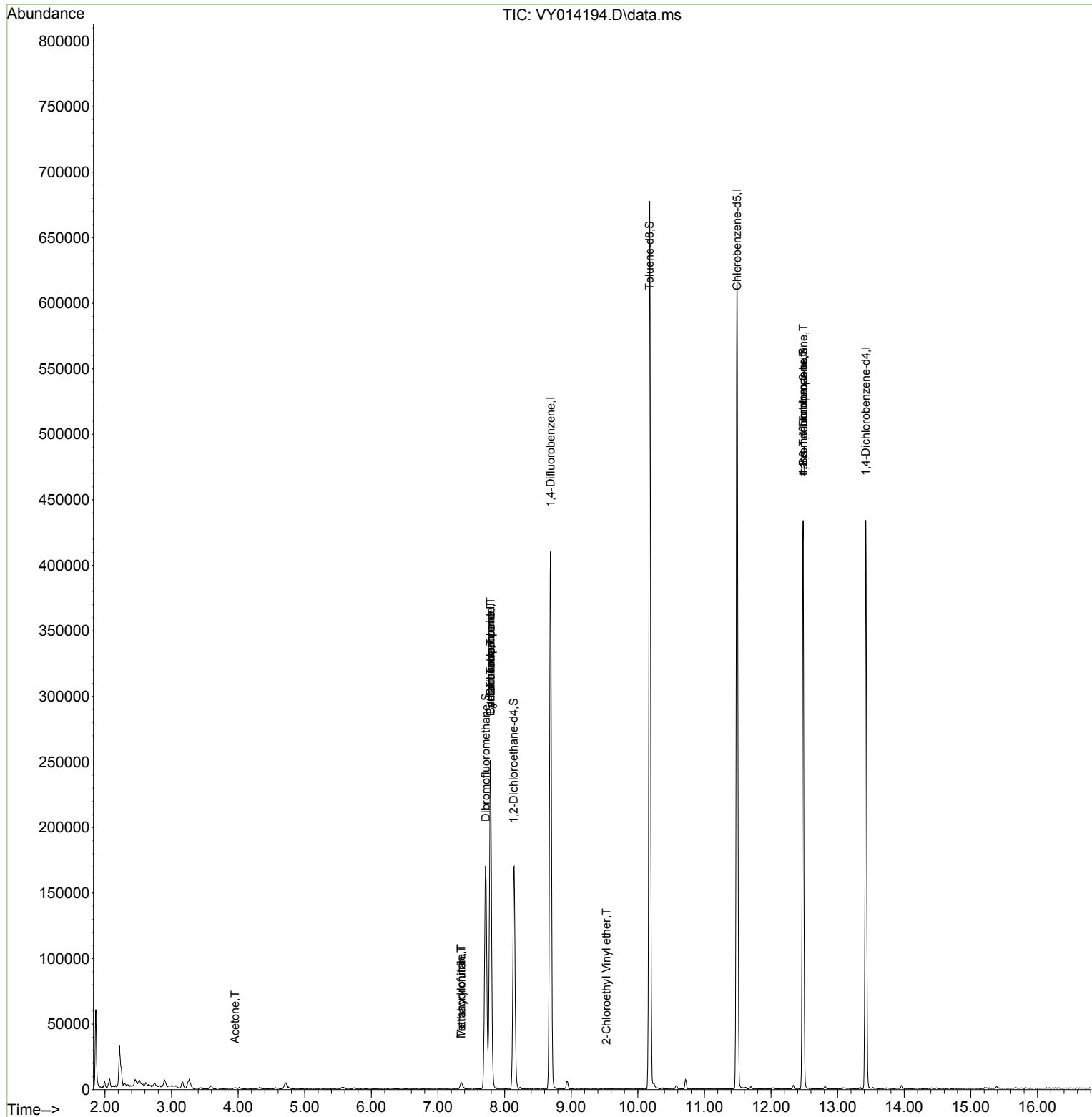
Internal Standards						
1) Pentafluorobenzene	7.789	168	191250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	340863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	143573	53.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.820%	
35) Dibromofluoromethane	7.716	113	116053	48.009	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.020%	
50) Toluene-d8	10.179	98	430581	47.644	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.280%	
62) 4-Bromofluorobenzene	12.483	95	121265	37.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 75.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	349	Below Cal	#	89
13) Acrolein	3.729	56	30	Below Cal	#	14
16) Acetone	3.954	43	1360	1.694	ug/l	99
20) Methylene Chloride	4.704	84	3372	Below Cal	#	91
29) Tetrahydrofuran	7.350	42	3555	5.673	ug/l	96
31) Cyclohexane	7.789	56	4609	1.292	ug/l	# 36
36) 1,1-Dichloropropene	7.789	75	14442	3.832	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	19557	4.497	ug/l	# 15
41) Methacrylonitrile	7.350	41	2193	1.653	ug/l	# 45
58) 2-Chloroethyl Vinyl ether	9.526	63	30	28.638	ug/l	# 48
76) 1,2,3-Trichloropropane	12.483	75	67238	46.182	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	67238	99.828	ug/l	# 11

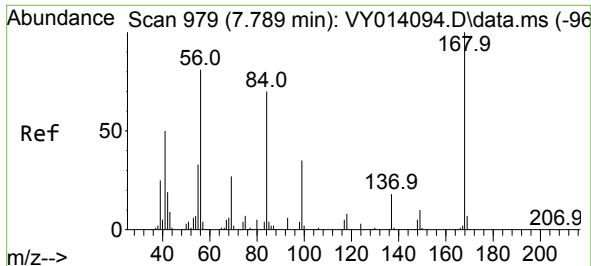
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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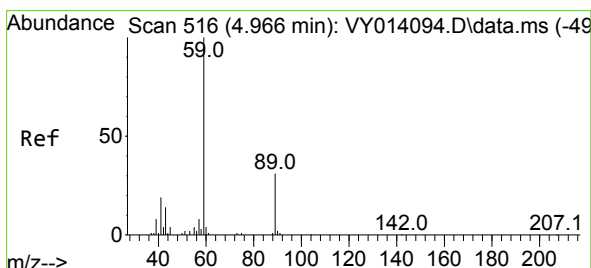
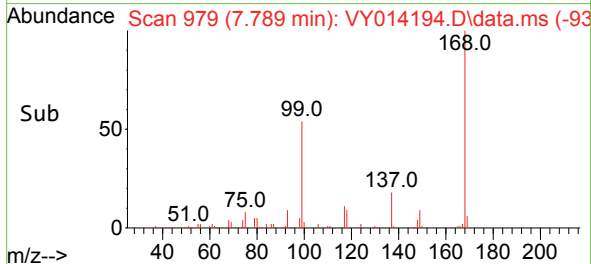
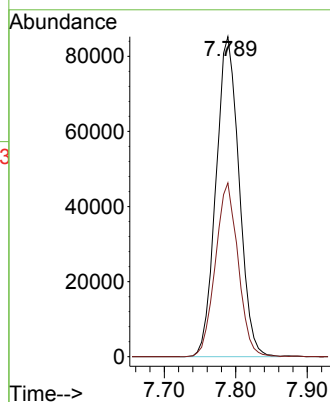
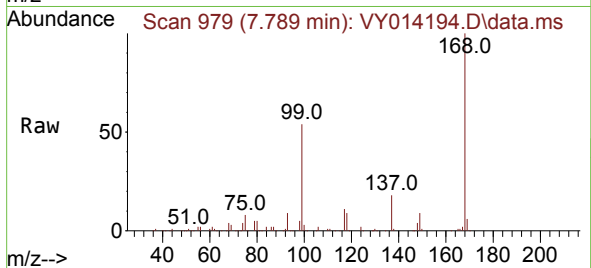




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

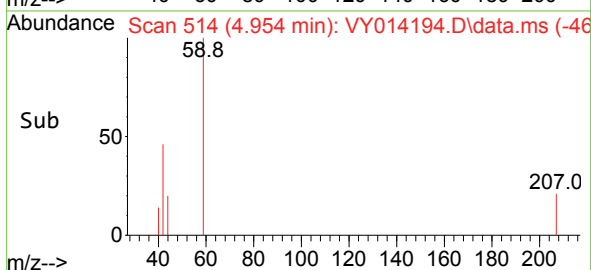
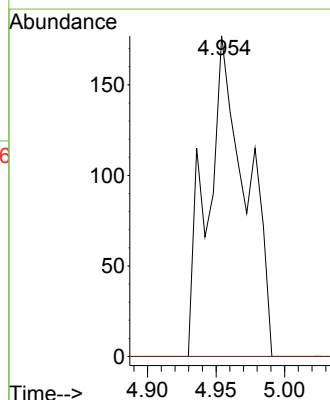
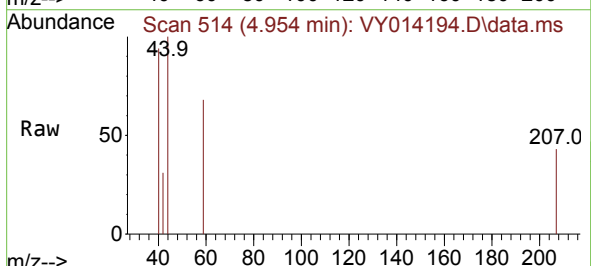
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-7

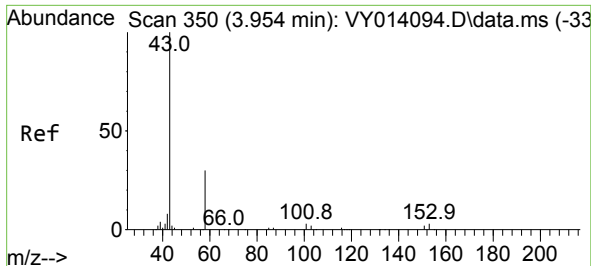
Tgt Ion:168 Resp: 191250
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

Tgt Ion: 59 Resp: 349
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.694 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY014194.D

Acq: 15 Jun 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

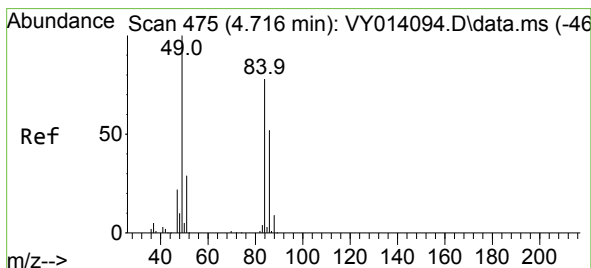
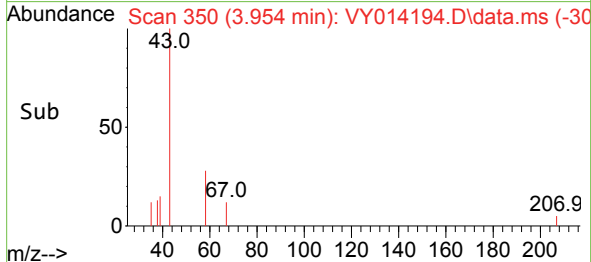
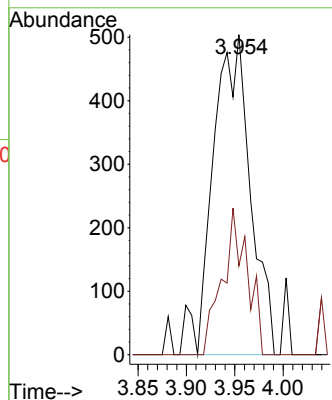
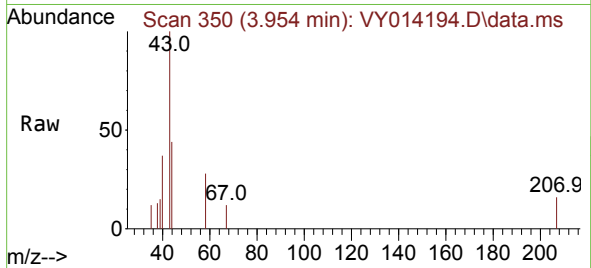
TOTAL-VOC-SB-11-GRAB-7

Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

58 27.8 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY014194.D

Acq: 15 Jun 2023 17:03

Tgt Ion: 84 Resp: 3372

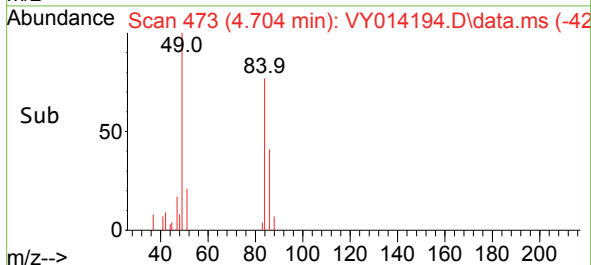
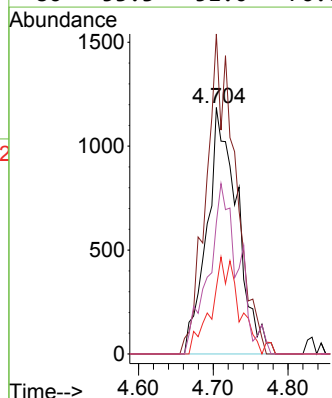
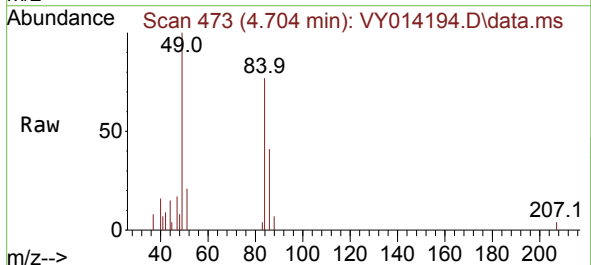
Ion Ratio Lower Upper

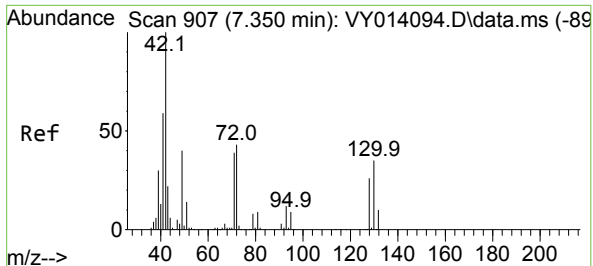
84 100

49 129.8 106.9 160.3

51 26.9 33.2 49.8#

86 53.3 51.0 76.6





#29

Tetrahydrofuran

Concen: 5.673 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014194.D

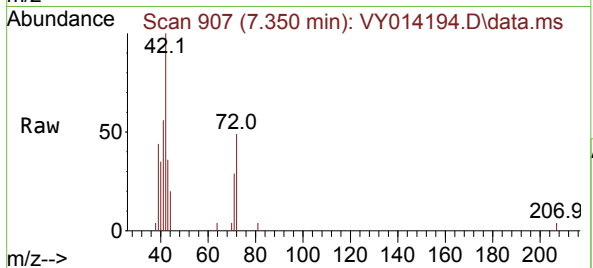
Acq: 15 Jun 2023 17:03

Instrument :

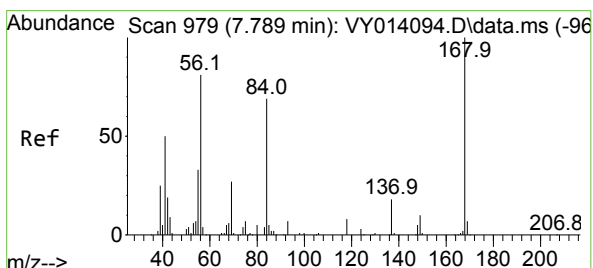
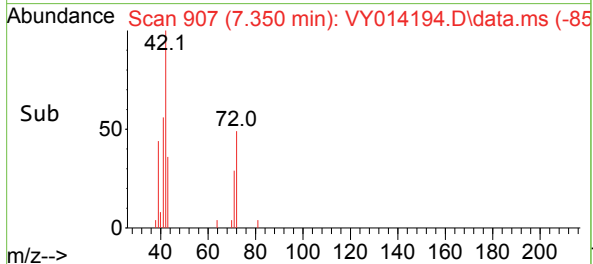
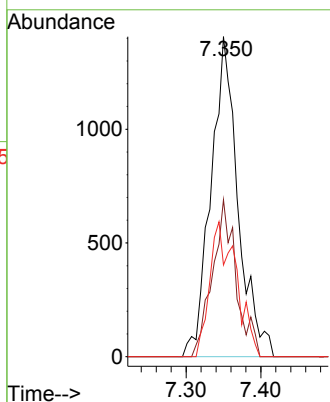
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-11-GRAB-7



Tgt Ion:	42	Resp:	3555
Ion	Ratio	Lower	Upper
42	100		
72	42.9	32.8	49.2
71	41.2	31.0	46.4



#31

Cyclohexane

Concen: 1.292 ug/l

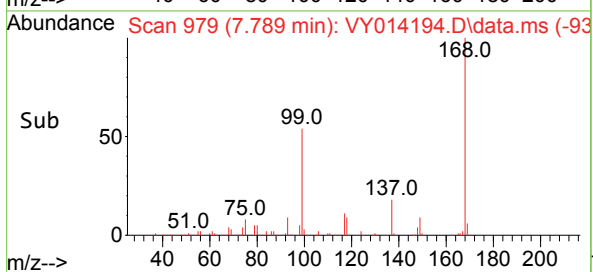
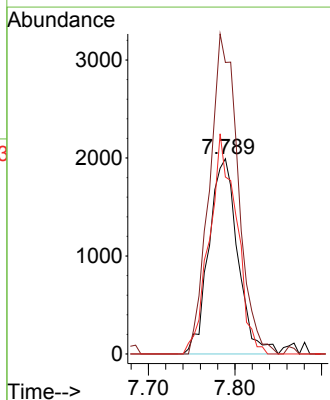
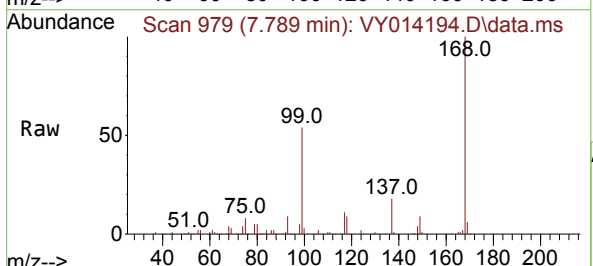
RT: 7.789 min Scan# 979

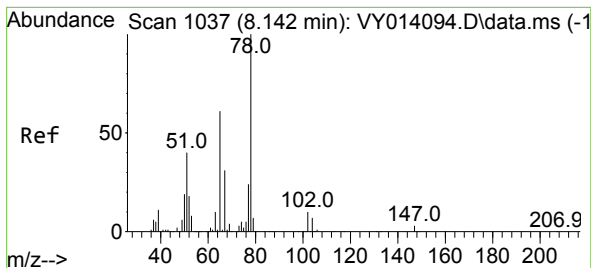
Delta R.T. -0.000 min

Lab File: VY014194.D

Acq: 15 Jun 2023 17:03

Tgt Ion:	56	Resp:	4609
Ion	Ratio	Lower	Upper
56	100		
69	149.3	27.8	41.6#
84	90.6	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 53.910 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014194.D

Acq: 15 Jun 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

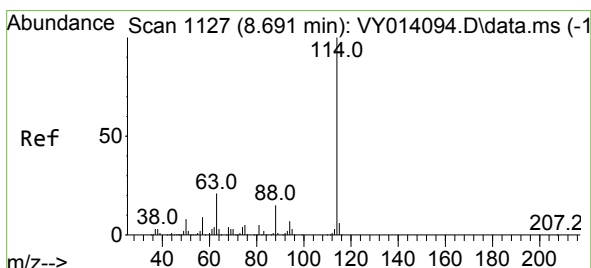
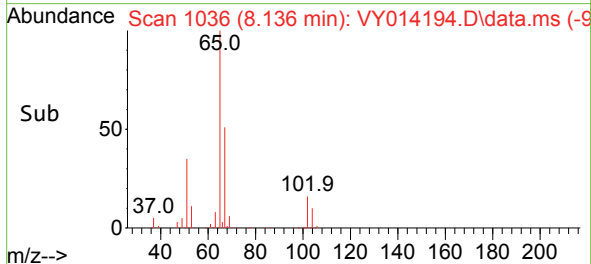
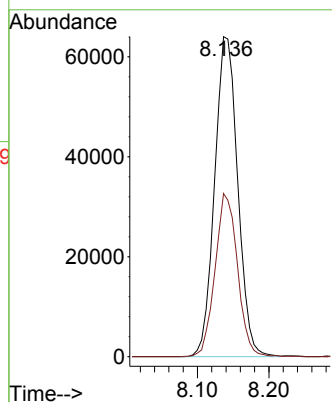
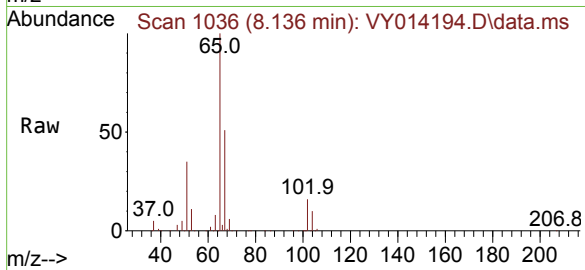
TOTAL-VOC-SB-11-GRAB-7

Tgt Ion: 65 Resp: 143573

Ion Ratio Lower Upper

65 100

67 49.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014194.D

Acq: 15 Jun 2023 17:03

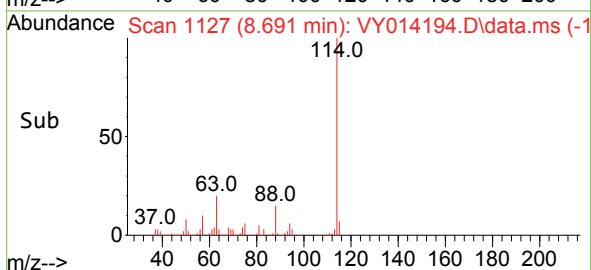
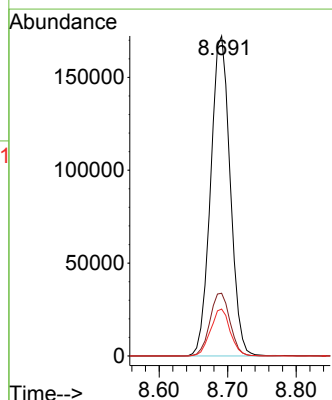
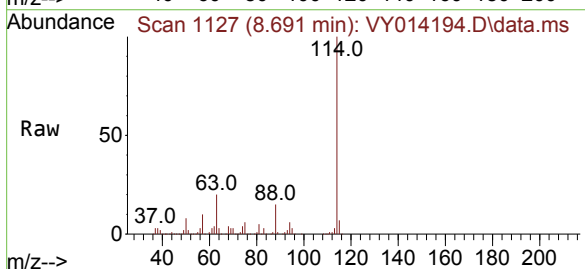
Tgt Ion: 114 Resp: 340863

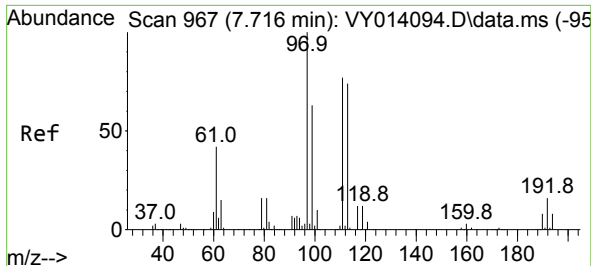
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.7 0.0 30.6

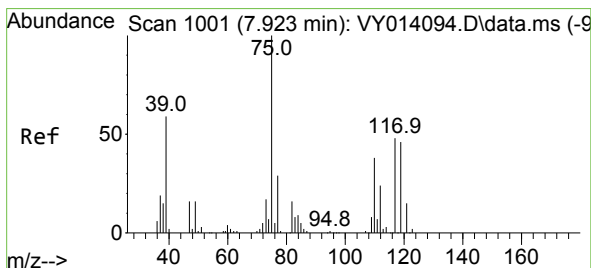
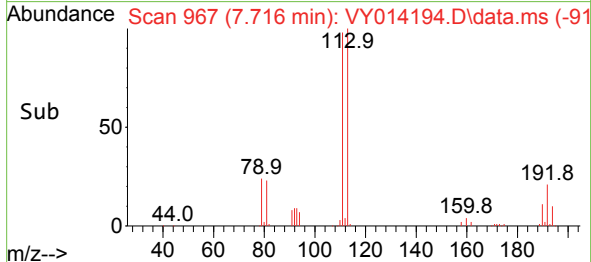
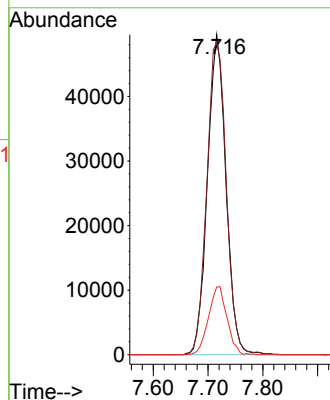
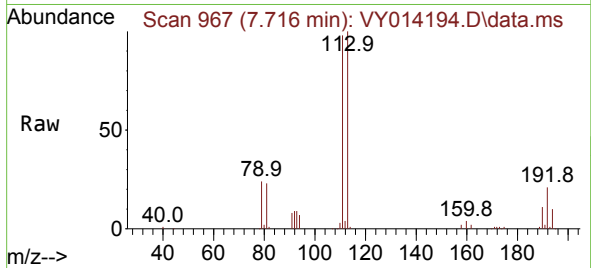




#35
Dibromofluoromethane
Concen: 48.009 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

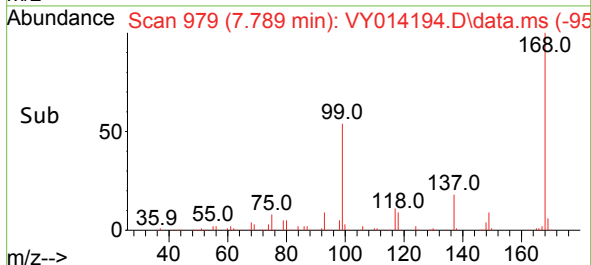
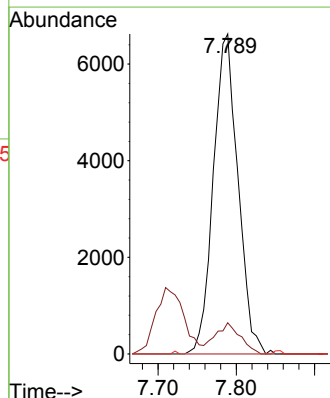
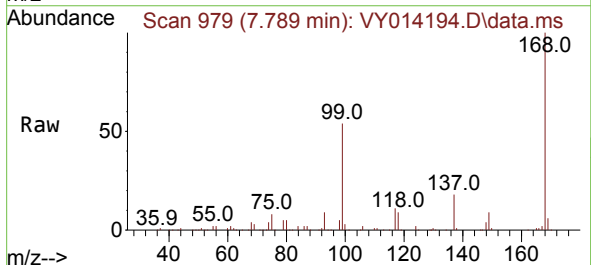
Instrument :
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TOTAL-VOC-SB-11-GRAB-7

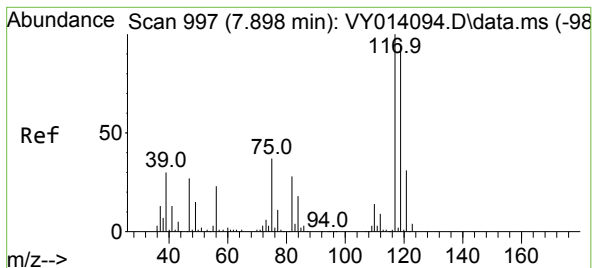
Tgt Ion:113 Resp: 116053
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 21.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.832 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

Tgt Ion: 75 Resp: 14442
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.497 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.109 min

Lab File: VY014194.D

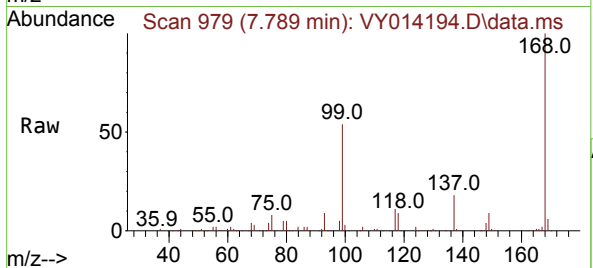
Acq: 15 Jun 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-11-GRAB-7



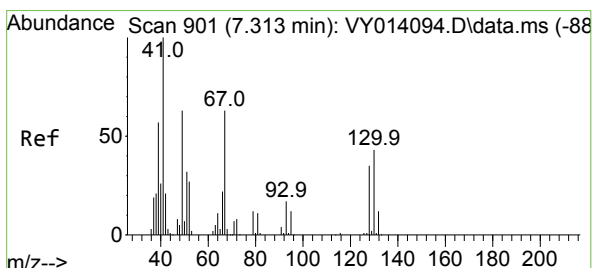
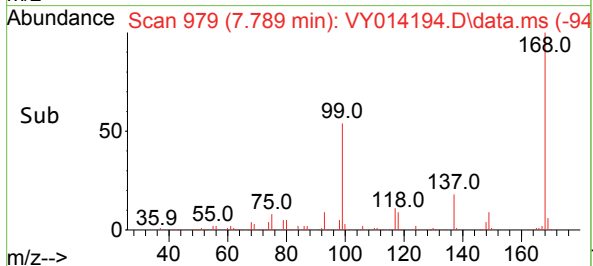
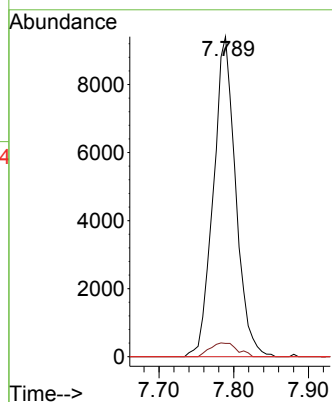
Tgt Ion:117 Resp: 19557

Ion Ratio Lower Upper

117 100

119 4.2 76.4 114.6#

121 0.0 25.8 38.6#



#41

Methacrylonitrile

Concen: 1.653 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.037 min

Lab File: VY014194.D

Acq: 15 Jun 2023 17:03

Tgt Ion: 41 Resp: 2193

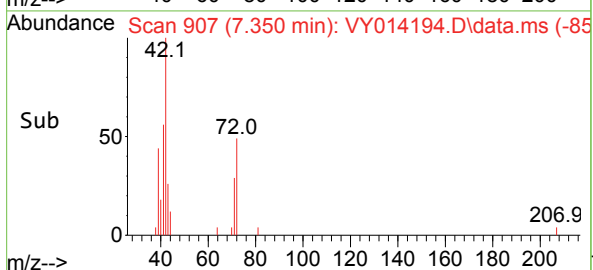
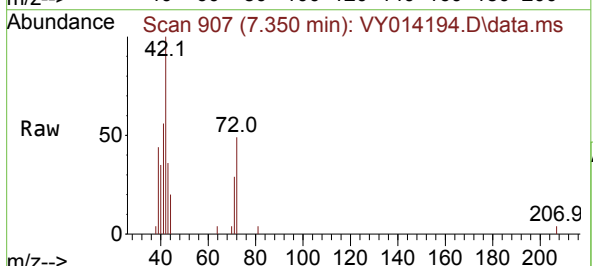
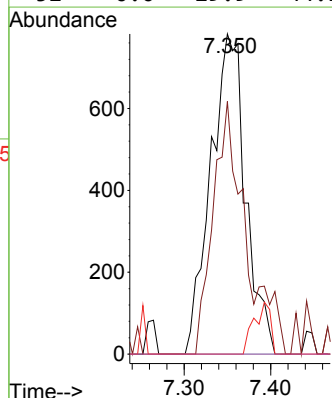
Ion Ratio Lower Upper

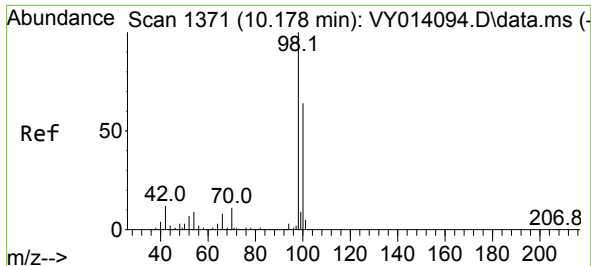
41 100

39 62.7 52.1 78.1

67 0.0 66.2 99.2#

52 0.0 29.9 44.9#

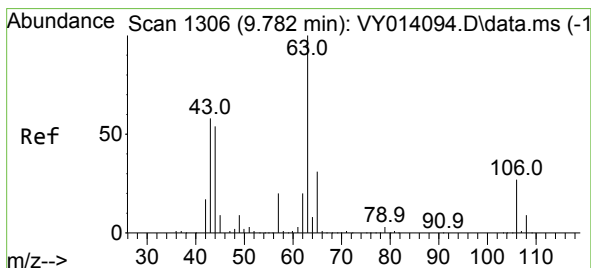
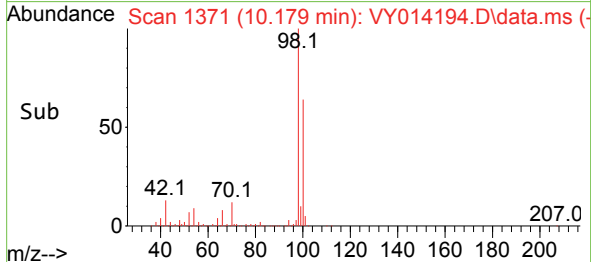
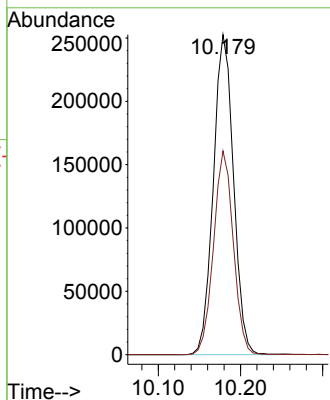
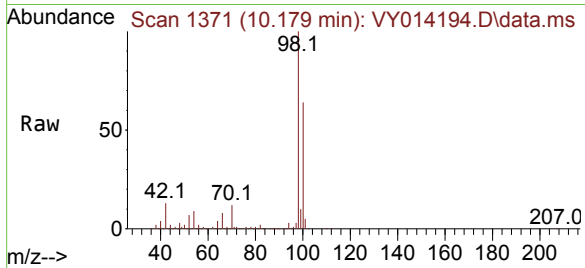




#50
Toluene-d8
Concen: 47.644 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

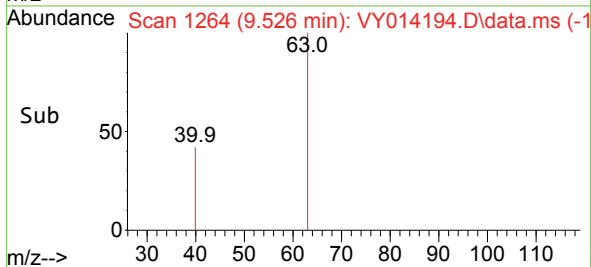
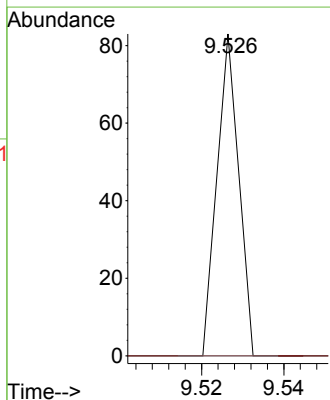
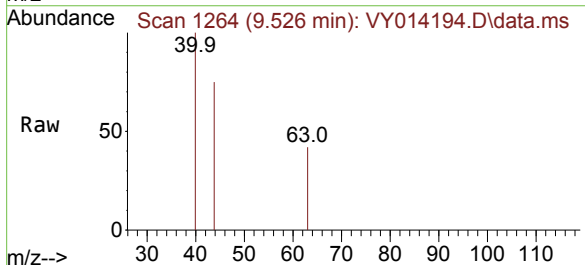
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-7

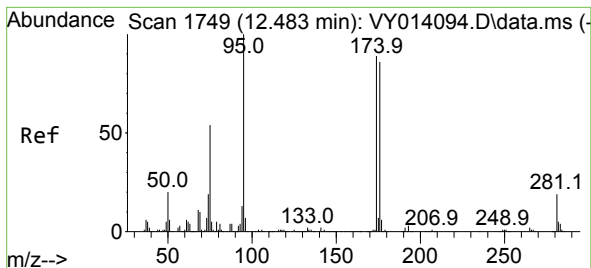
Tgt Ion: 98 Resp: 430581
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 28.638 ug/l
RT: 9.526 min Scan# 1264
Delta R.T. -0.256 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

Tgt Ion: 63 Resp: 30
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

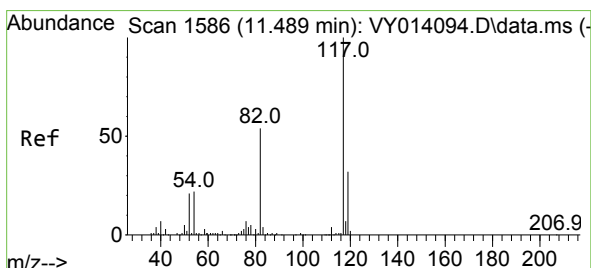
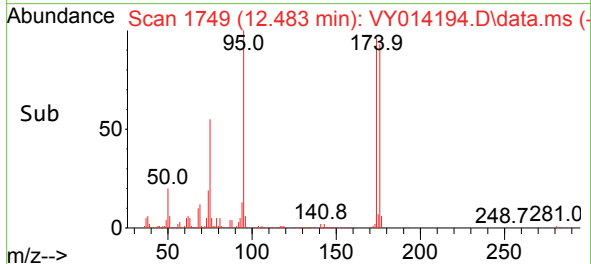
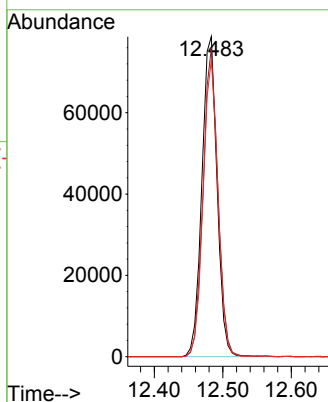
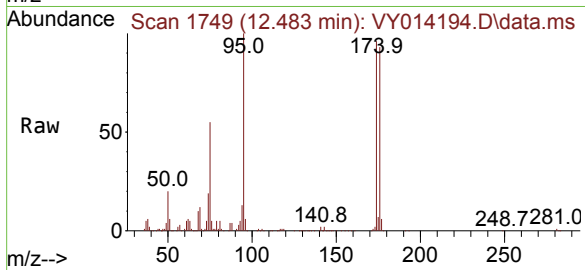




#62
4-Bromofluorobenzene
Concen: 37.773 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

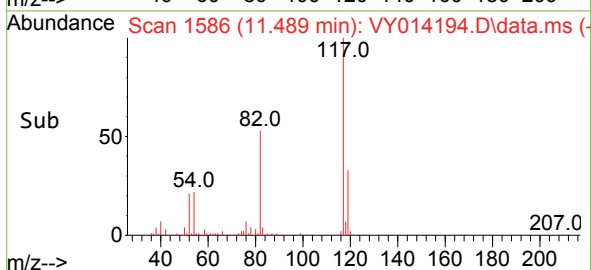
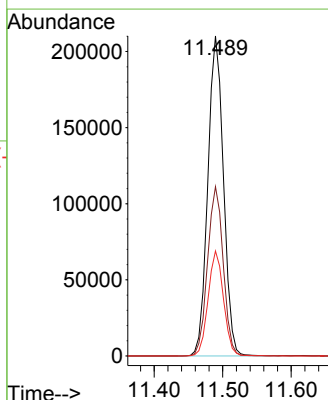
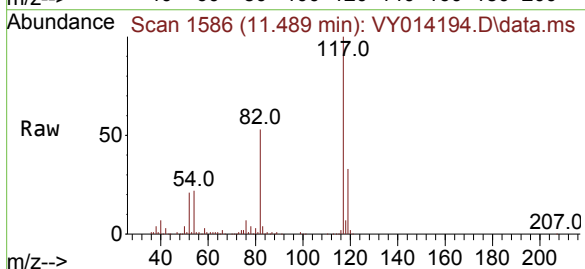
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-7

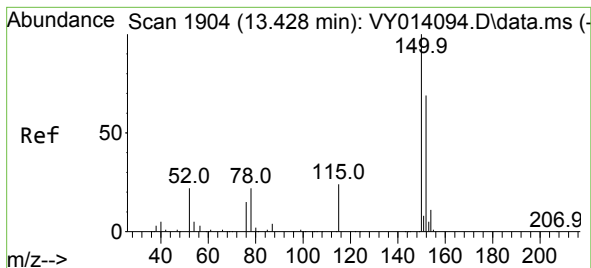
Tgt Ion: 95 Resp: 121265
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 91.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

Tgt Ion: 117 Resp: 334532
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.8 26.3 39.5

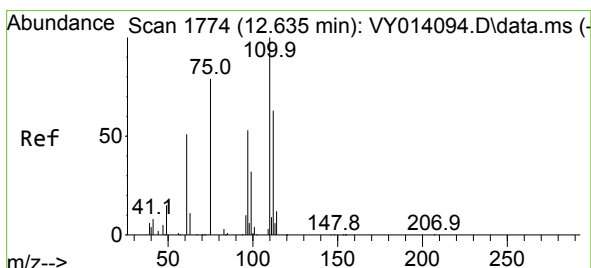
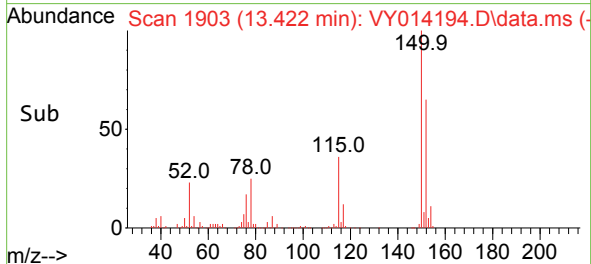
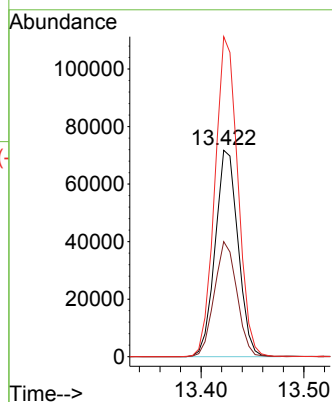
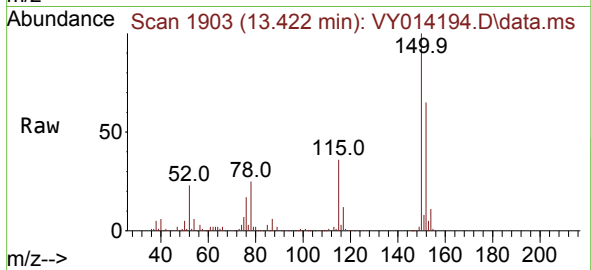




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

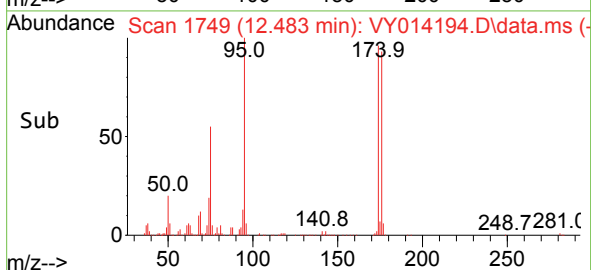
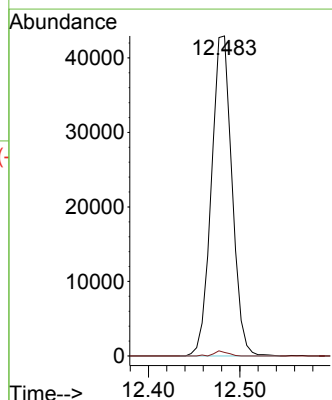
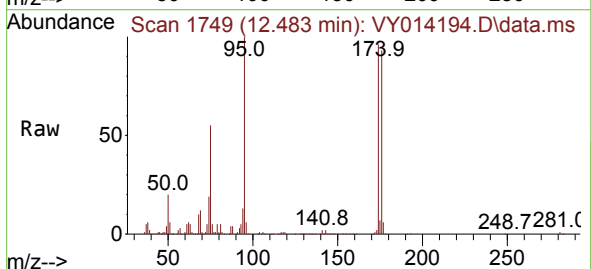
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-11-GRAB-7

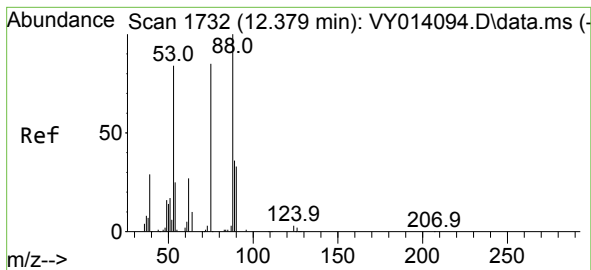
Tgt Ion:152 Resp: 110972
Ion Ratio Lower Upper
152 100
115 55.1 28.8 86.5
150 155.5 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 46.182 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014194.D
Acq: 15 Jun 2023 17:03

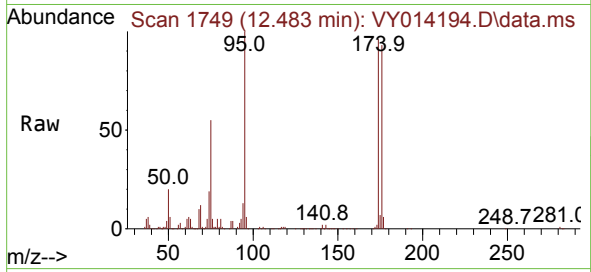
Tgt Ion: 75 Resp: 67238
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.828 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014194.D
 Acq: 15 Jun 2023 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-11-GRAB-7



Tgt Ion: 75 Resp: 67238
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.1 37.4 56.0#

