

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014183.D
 Acq On : 15 Jun 2023 12:45
 Operator : KP/MD
 Sample : 03222-24
 Misc : 11.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-16-GRAB-7

Quant Time: Jun 16 02:06:57 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)

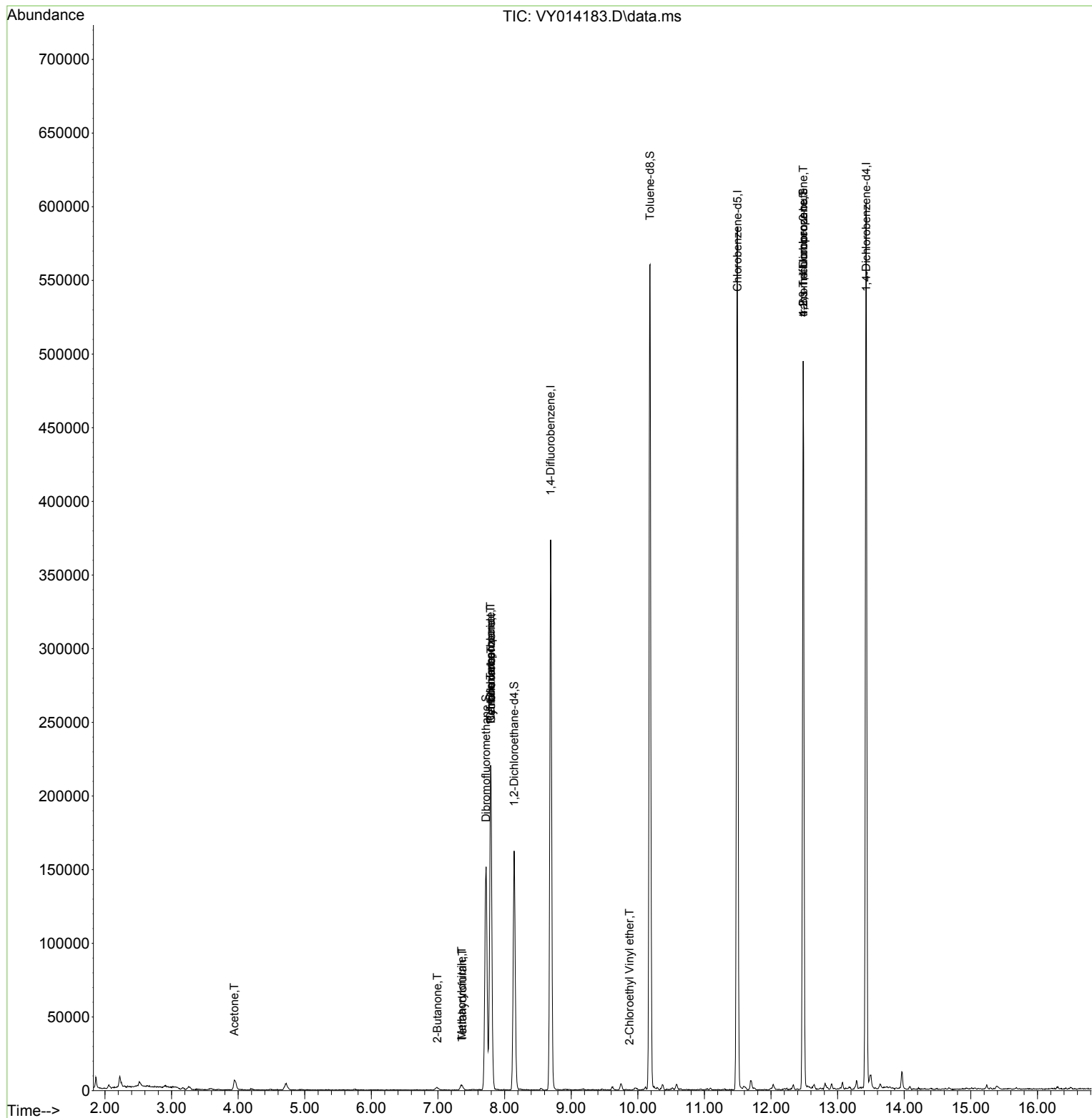
Internal Standards						
1) Pentafluorobenzene	7.795	168	170006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	300383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	316445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	128449	54.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.520%	
35) Dibromofluoromethane	7.722	113	103144	48.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.840%	
50) Toluene-d8	10.185	98	375111	47.100	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.200%	
62) 4-Bromofluorobenzene	12.483	95	134236	47.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.900%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	589	Below Cal	#	89
16) Acetone	3.942	43	12215	17.118	ug/l	91
20) Methylene Chloride	4.722	84	3122	Below Cal		88
25) 2-Butanone	6.990	43	1544	1.758	ug/l #	89
29) Tetrahydrofuran	7.368	42	2928	5.257	ug/l #	35
31) Cyclohexane	7.795	56	4012	1.265	ug/l #	40
36) 1,1-Dichloropropene	7.789	75	12679	3.818	ug/l #	51
38) Carbon Tetrachloride	7.789	117	17312	4.517	ug/l #	17
41) Methacrylonitrile	7.356	41	1788	1.529	ug/l #	30
58) 2-Chloroethyl Vinyl ether	9.874	63	19	28.633	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	73960	37.627	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73960	81.336	ug/l #	11

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

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TOTAL-VOC-SB-16-GRAB-7

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Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
Response via : Initial Calibration

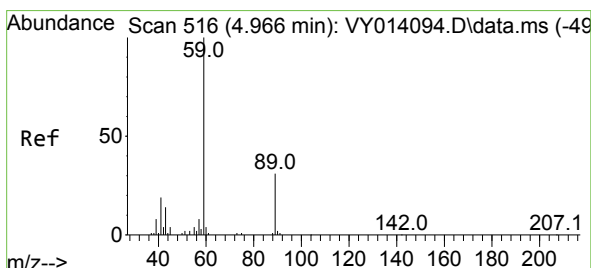
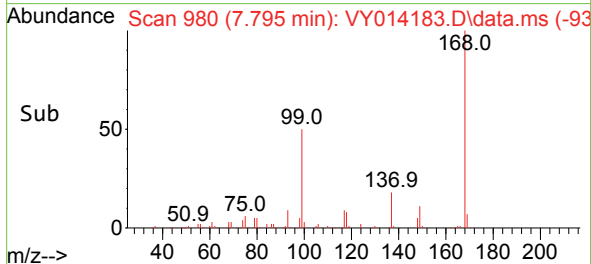
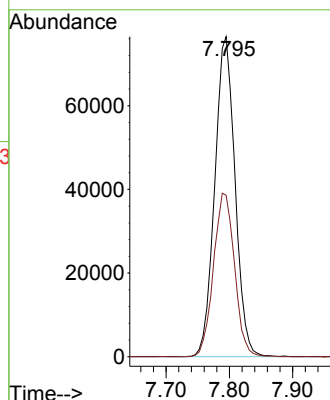
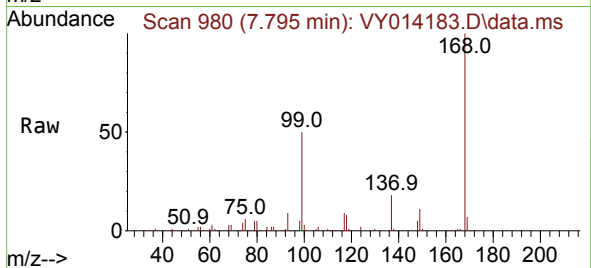




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

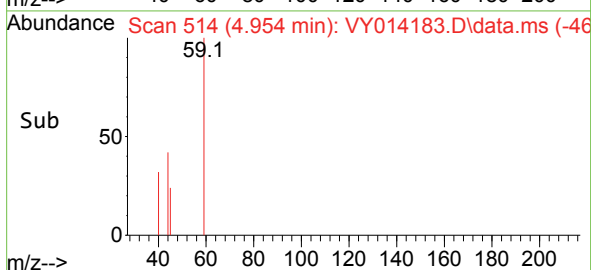
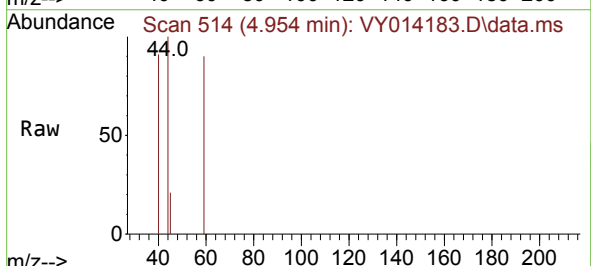
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-7

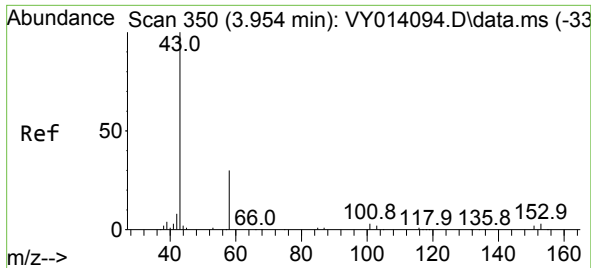
Tgt Ion:168 Resp: 170006
Ion Ratio Lower Upper
168 100
99 50.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 59 Resp: 589
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

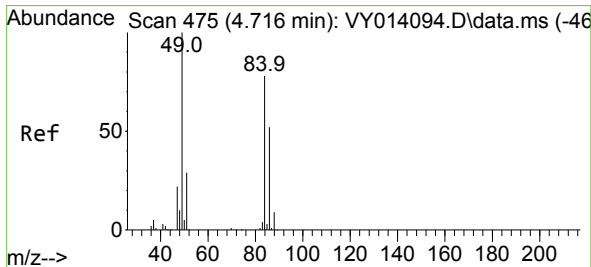
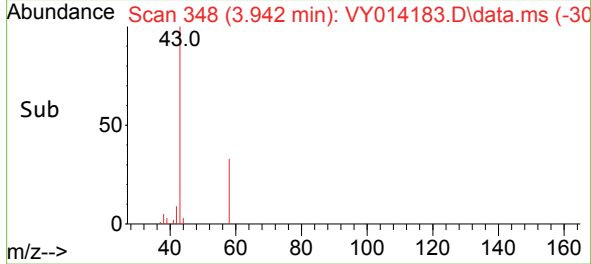
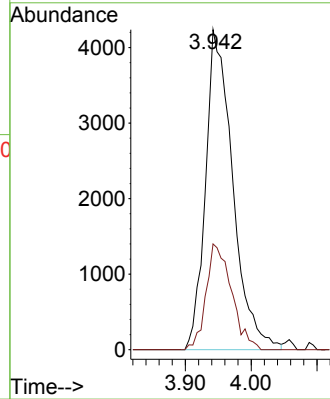
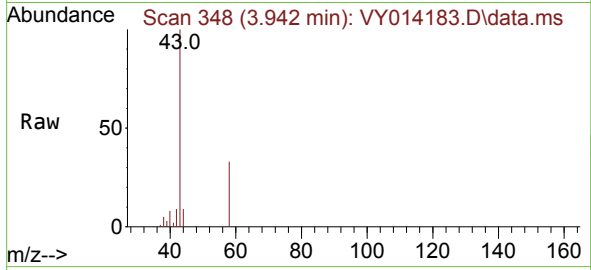




#16
Acetone
Concen: 17.118 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

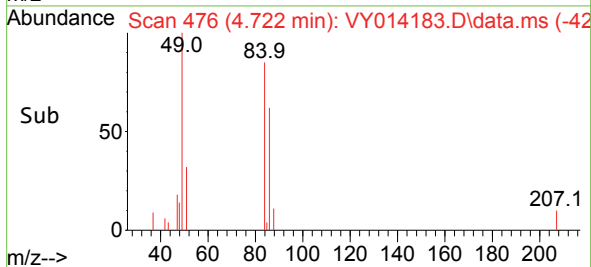
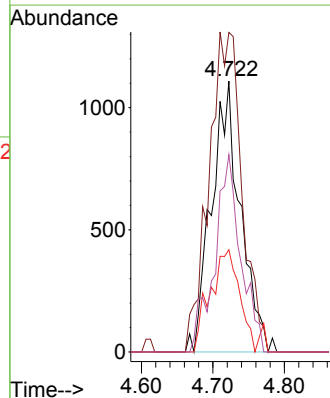
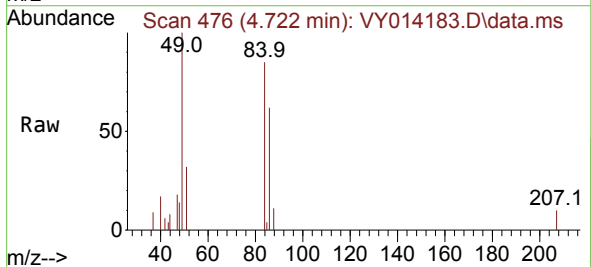
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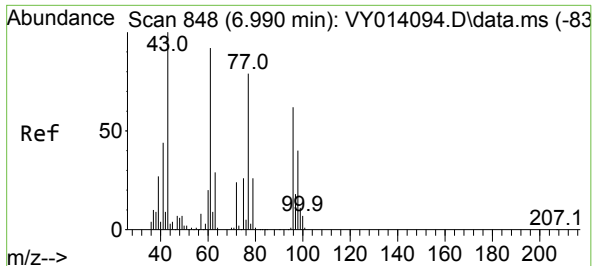
Tgt Ion: 43 Resp: 12215
Ion Ratio Lower Upper
43 100
58 33.0 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 84 Resp: 3122
Ion Ratio Lower Upper
84 100
49 117.9 106.9 160.3
51 37.8 33.2 49.8
86 72.9 51.0 76.6

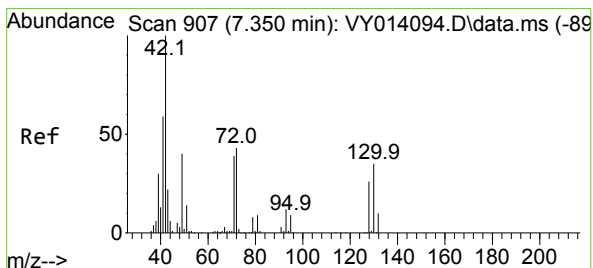
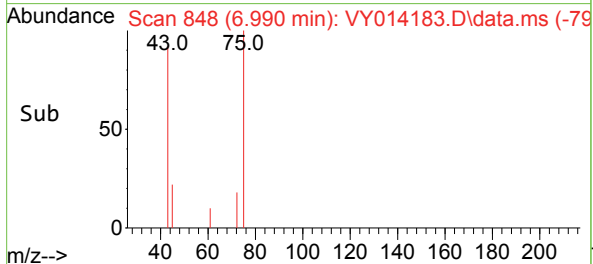
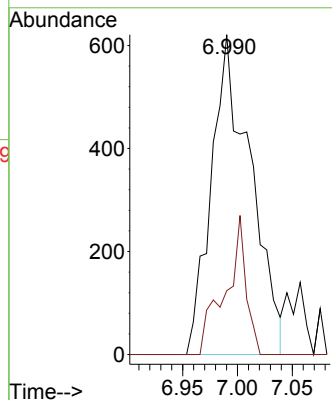
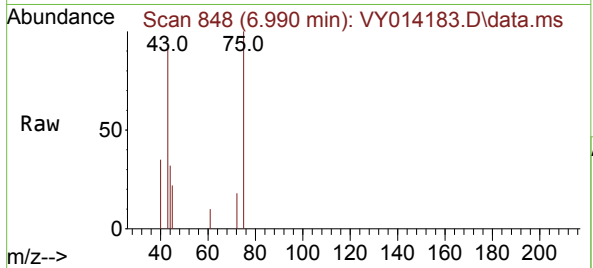




#25
2-Butanone
Concen: 1.758 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

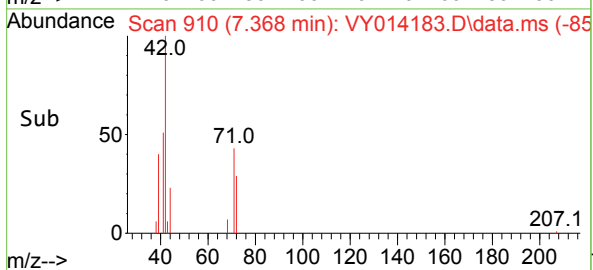
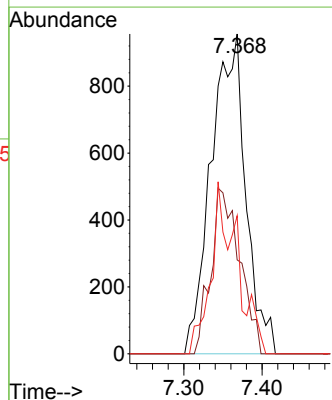
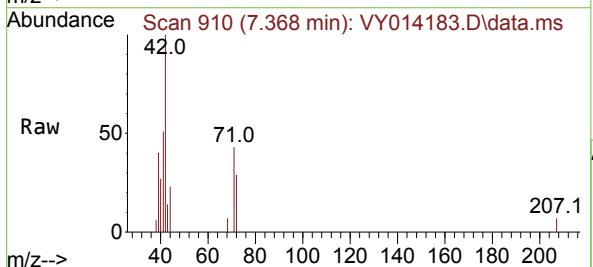
Instrument :
MSVOA_Y
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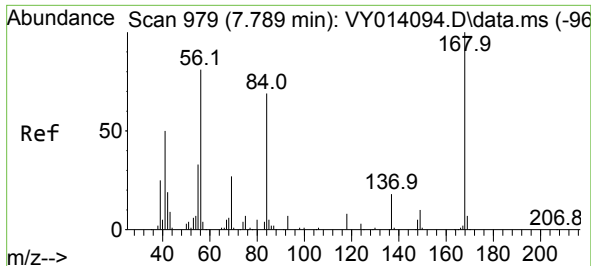
Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
72 20.0 20.5 30.7#



#29
Tetrahydrofuran
Concen: 5.257 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 42 Resp: 2928
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#

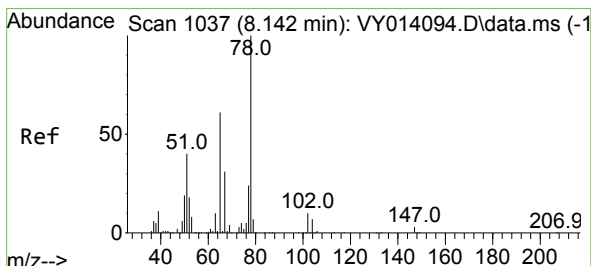
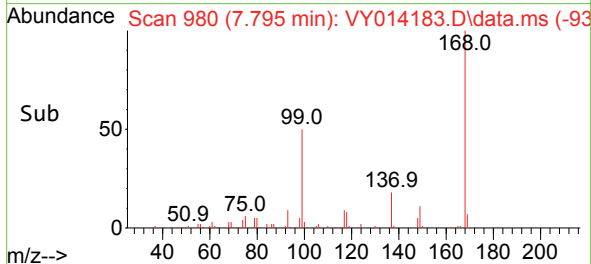
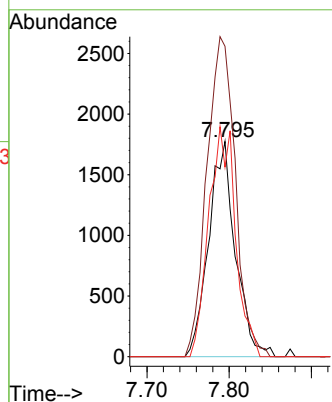
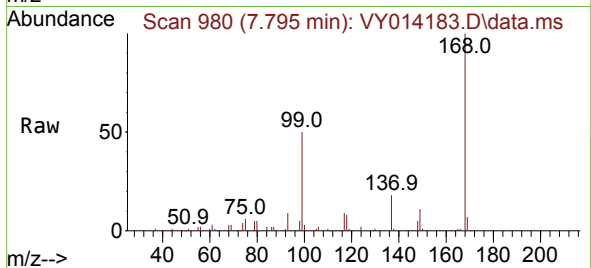




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

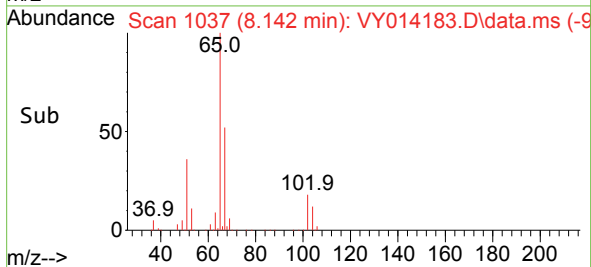
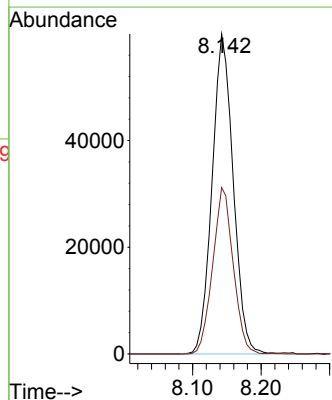
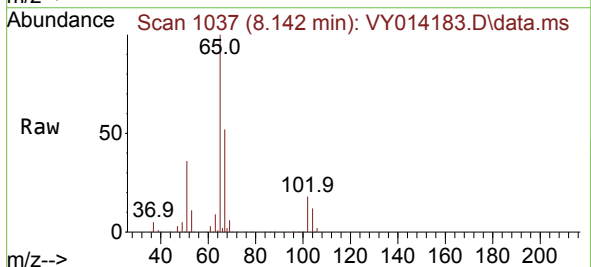
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-7

Tgt Ion: 56 Resp: 4012
Ion Ratio Lower Upper
56 100
69 144.3 27.8 41.6#
84 88.1 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 54.258 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 65 Resp: 128449
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.8

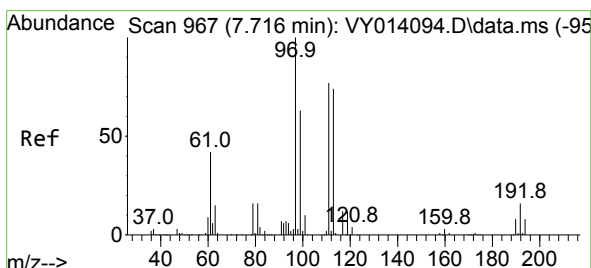
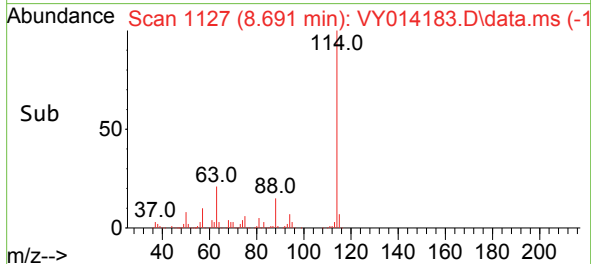
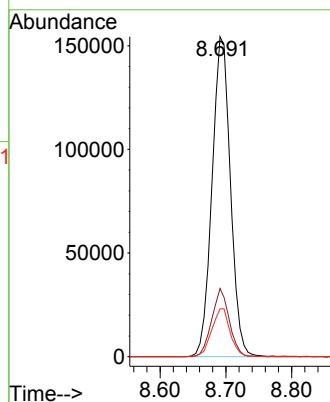
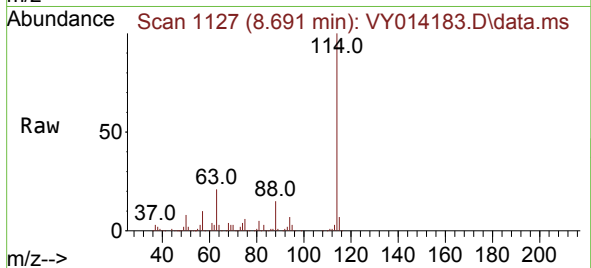




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

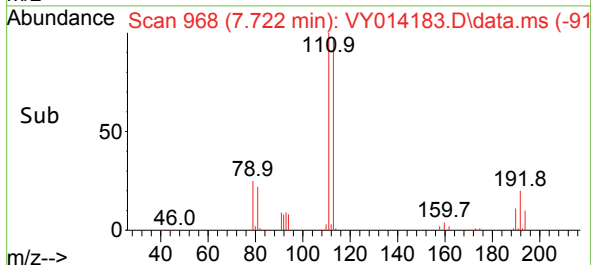
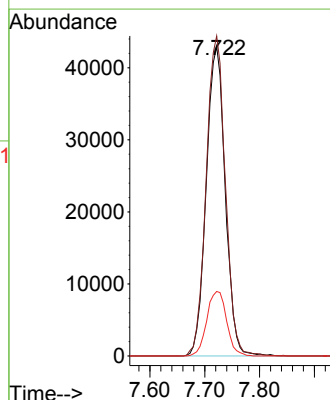
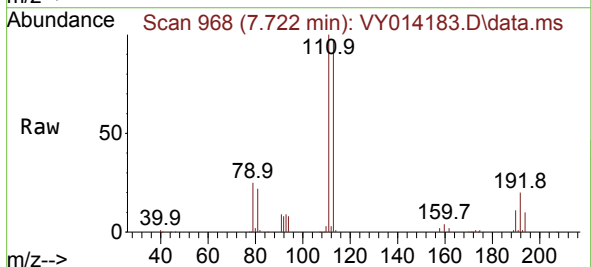
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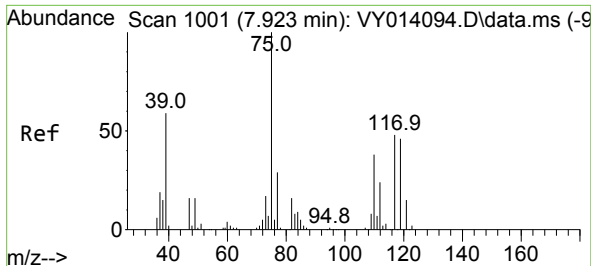
Tgt Ion:	114	Resp:	300383
Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	14.9	0.0	30.6



#35
Dibromofluoromethane
Concen: 48.419 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion:	113	Resp:	103144
Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.3	121.9
192	21.7	16.9	25.3

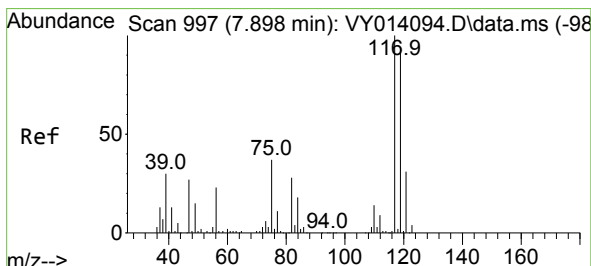
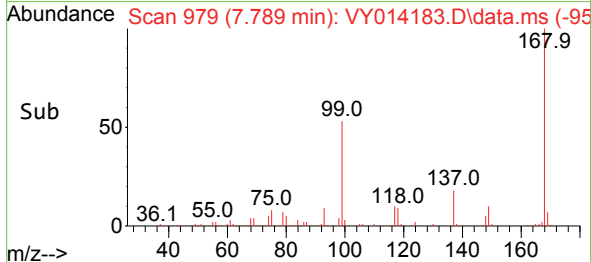
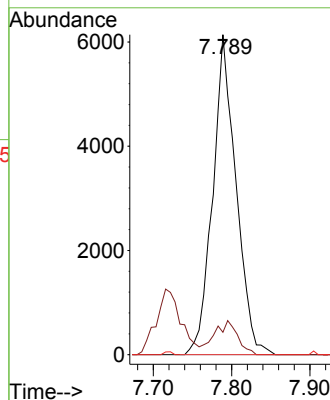
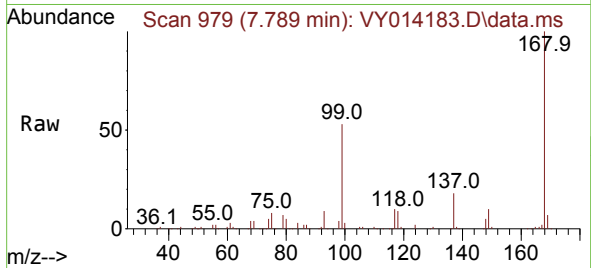




#36
1,1-Dichloropropene
Concen: 3.818 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

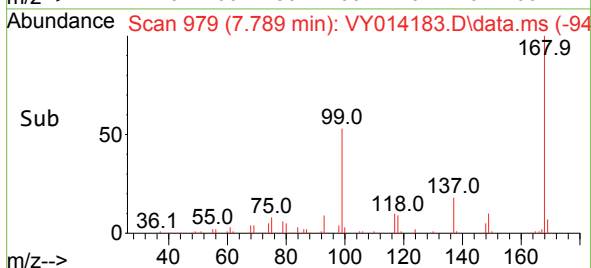
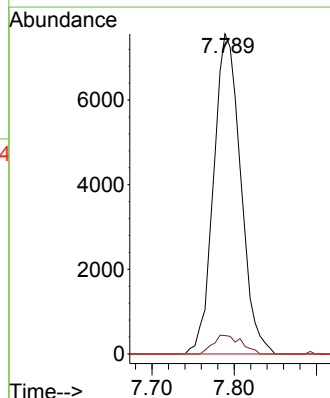
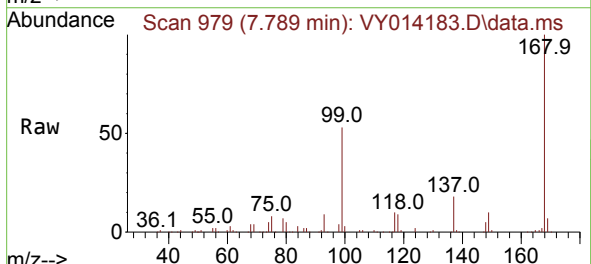
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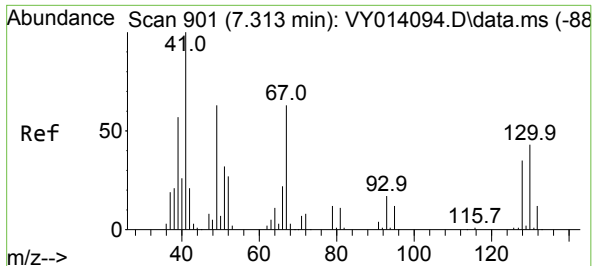
Tgt Ion: 75 Resp: 12679
Ion Ratio Lower Upper
75 100
110 10.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.517 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 117 Resp: 17312
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#

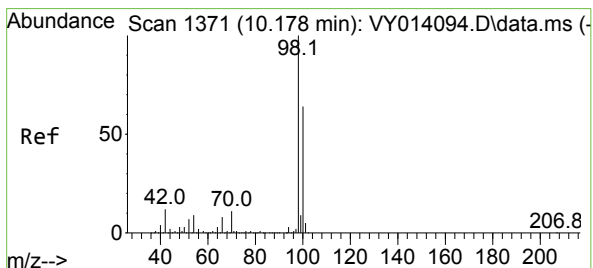
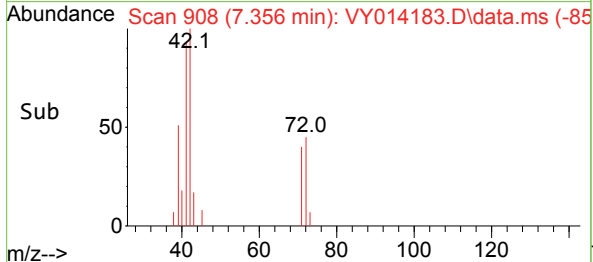
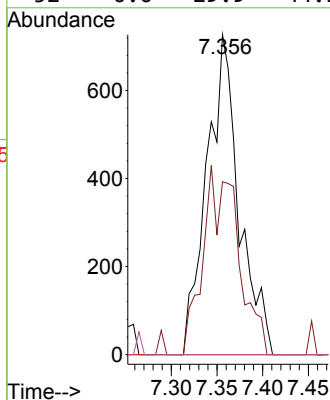
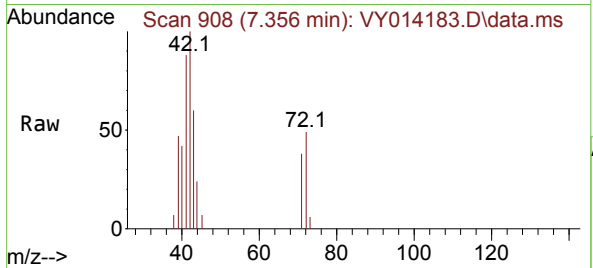




#41
Methacrylonitrile
Concen: 1.529 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

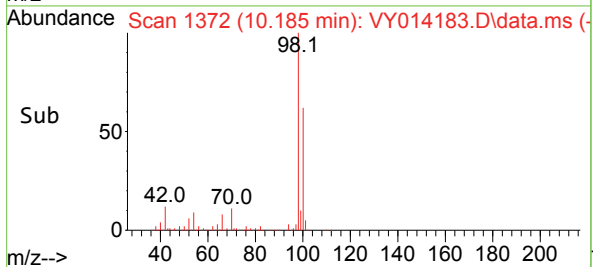
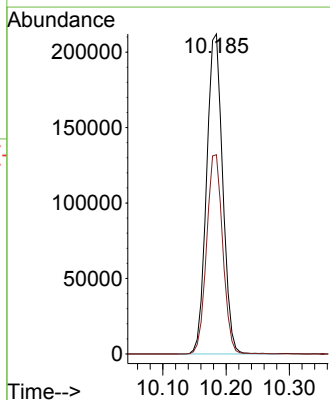
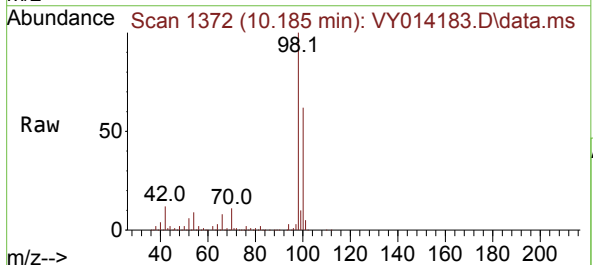
Instrument :
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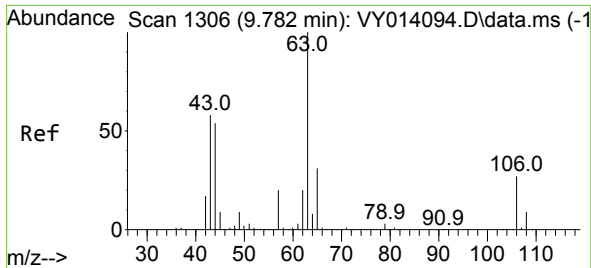
Tgt Ion: 41	Resp: 1788
Ion Ratio	Lower Upper
41 100	
39 27.9	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 47.100 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 98	Resp: 375111
Ion Ratio	Lower Upper
98 100	
100 62.4	50.1 75.1

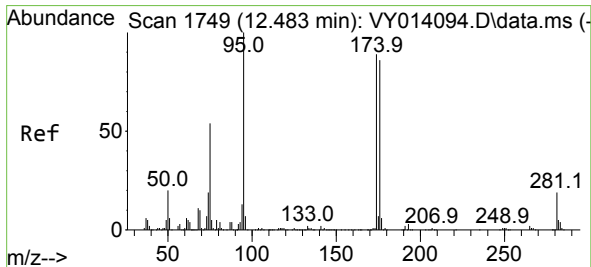
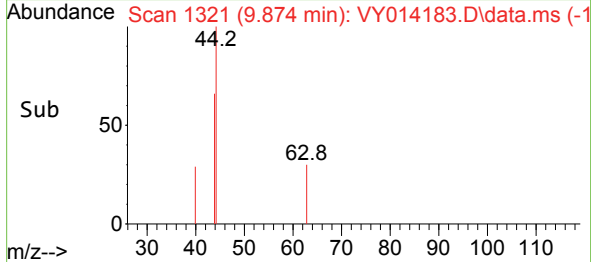
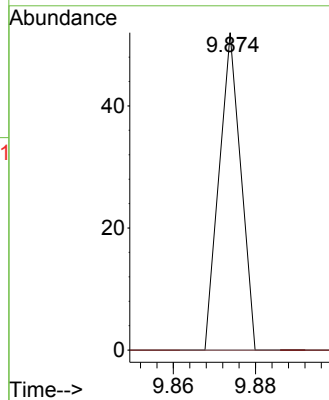
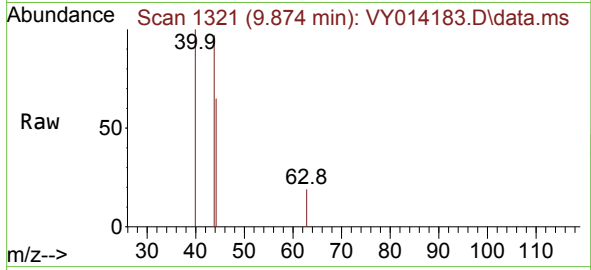




#58
2-Chloroethyl Vinyl ether
Concen: 28.633 ug/l
RT: 9.874 min Scan# 1306
Delta R.T. 0.092 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

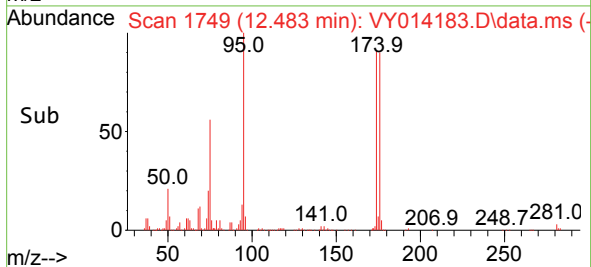
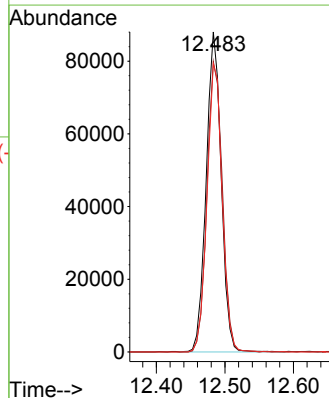
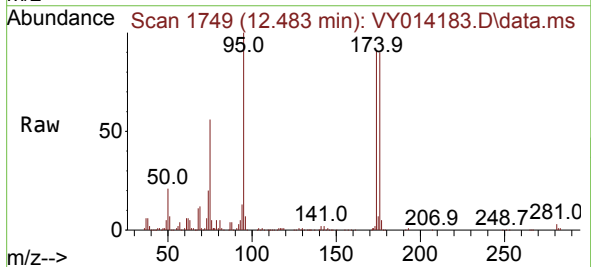
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-7

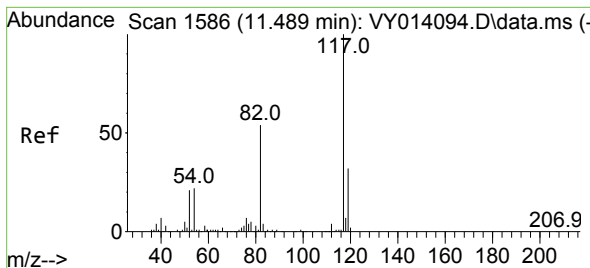
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 47.448 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 95 Resp: 134236
Ion Ratio Lower Upper
95 100
174 93.2 0.0 178.2
176 91.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014183.D

Acq: 15 Jun 2023 12:45

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-16-GRAB-7

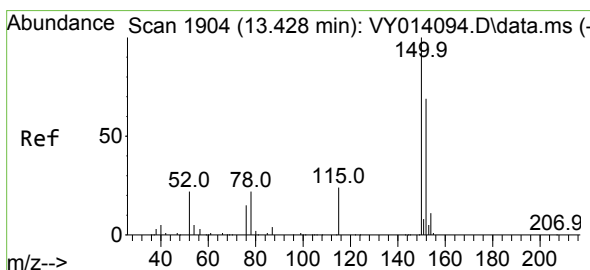
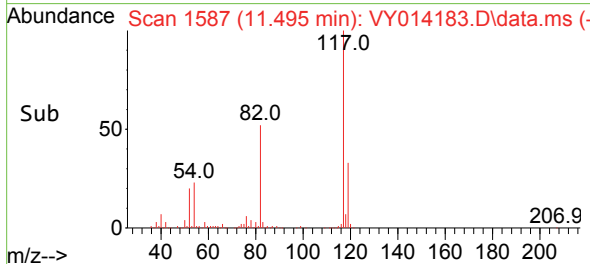
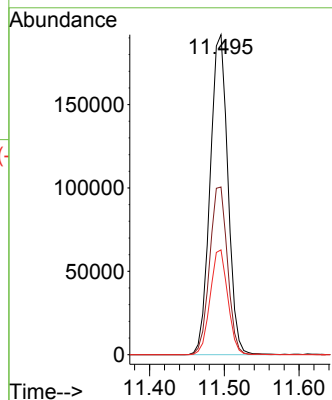
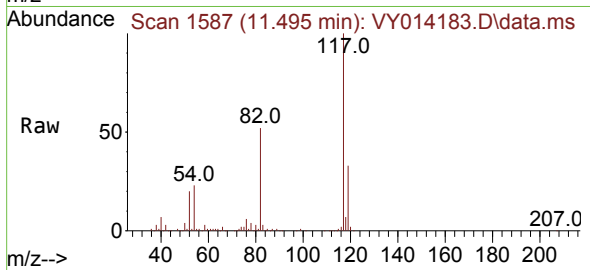
Tgt Ion:117 Resp: 316445

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 32.7 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: VY014183.D

Acq: 15 Jun 2023 12:45

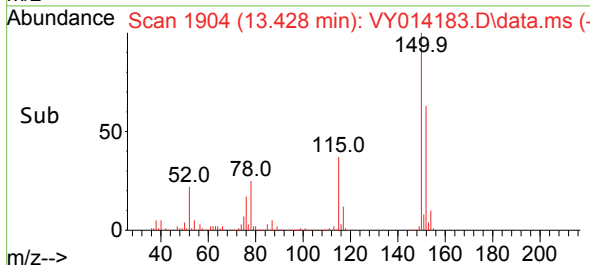
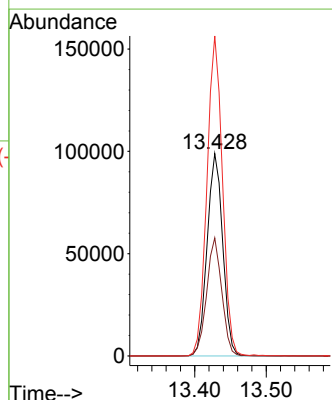
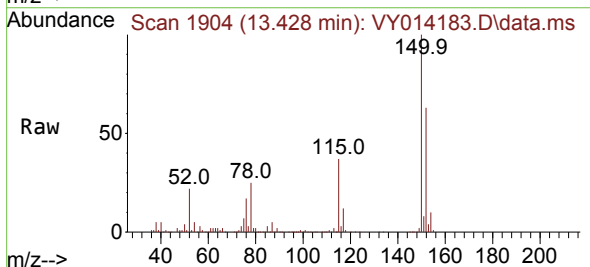
Tgt Ion:152 Resp: 149819

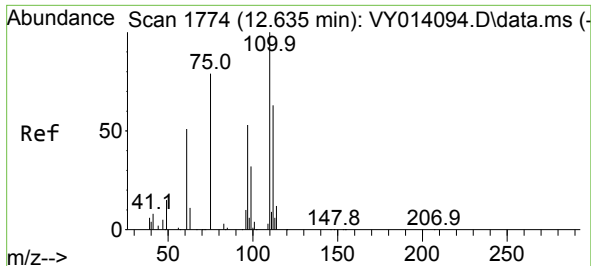
Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 157.0 0.0 348.8

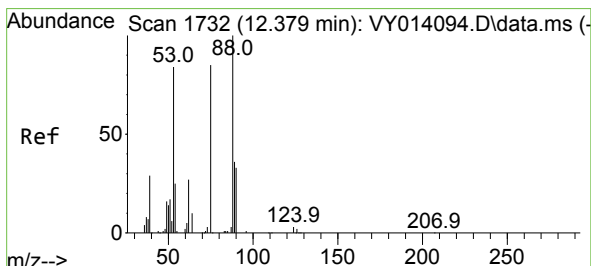
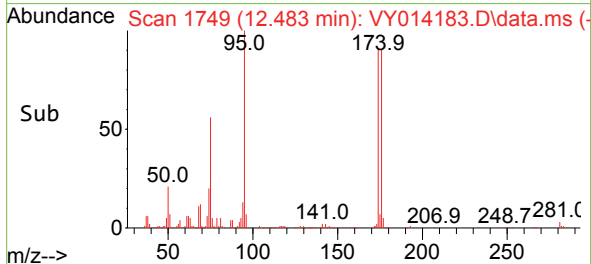
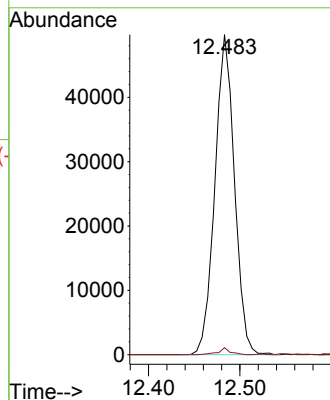
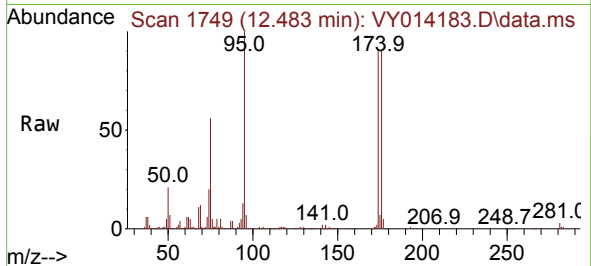




#76
1,2,3-Trichloropropane
Concen: 37.627 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-16-GRAB-7

Tgt Ion: 75 Resp: 73960
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.336 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014183.D
Acq: 15 Jun 2023 12:45

Tgt Ion: 75 Resp: 73960
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.1 37.4 56.0#

