

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014371.D
 Acq On : 22 Jun 2023 08:52
 Operator : KP/MD
 Sample : 03362-18
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-19-20-SB-19-GRAB-5

Quant Time: Jun 22 09:04:39 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)

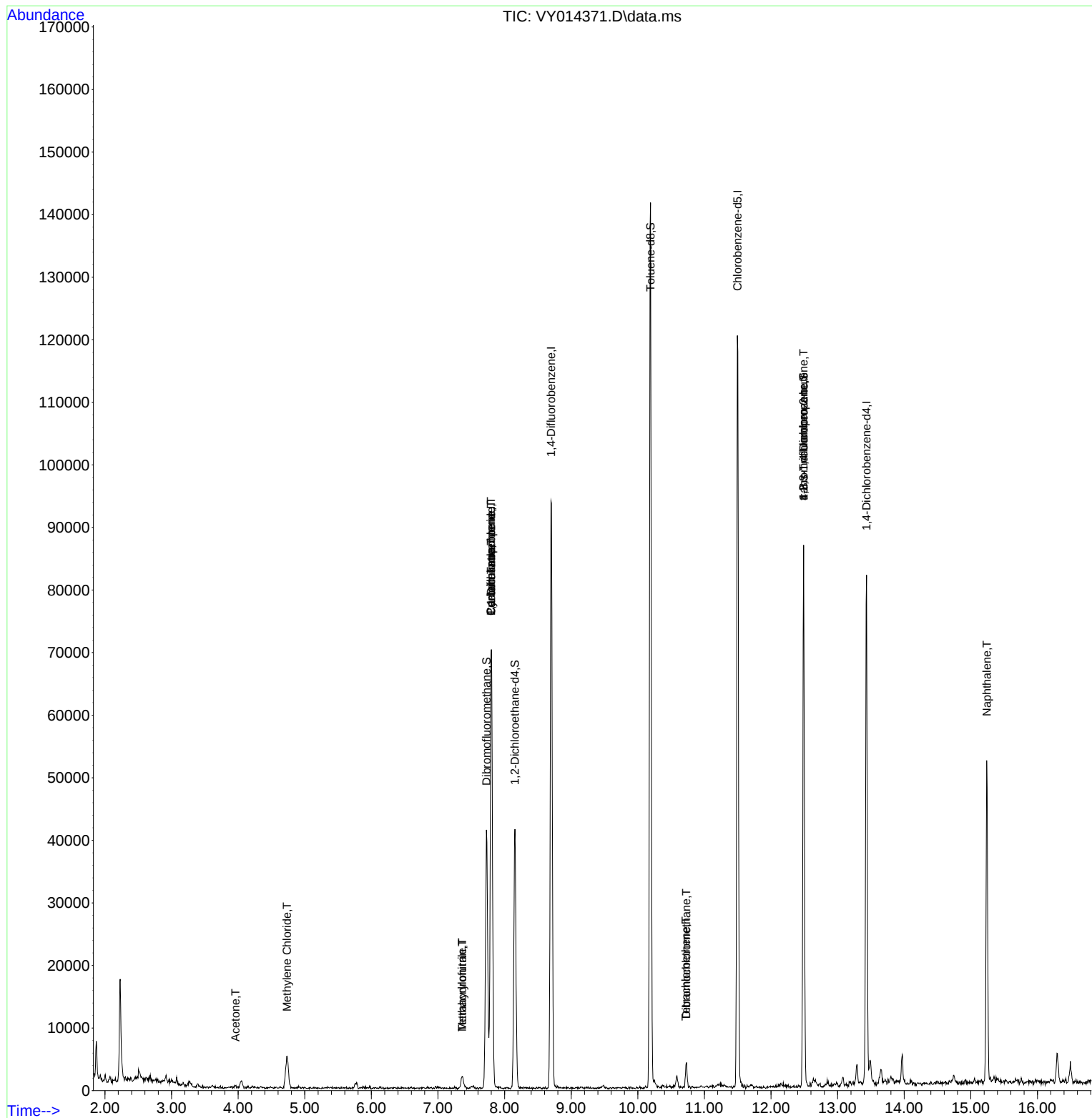
Internal Standards						
1) Pentafluorobenzene	7.795	168	55362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	82731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	68670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	22222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	35122	45.558	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.120%		
35) Dibromofluoromethane	7.728	113	27609	47.057	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.120%		
50) Toluene-d8	10.191	98	95404	43.495	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.980%		
62) 4-Bromofluorobenzene	12.489	95	22961	29.468	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	58.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	39	Below Cal	#	89
16) Acetone	3.960	43	628	2.702	ug/l	93
20) Methylene Chloride	4.735	84	3735	1.561	ug/l #	79
29) Tetrahydrofuran	7.362	42	1591	8.771	ug/l	94
31) Cyclohexane	7.795	56	1323	1.281	ug/l #	29
36) 1,1-Dichloropropene	7.795	75	4424	4.837	ug/l #	48
38) Carbon Tetrachloride	7.795	117	5572	5.279	ug/l #	16
41) Methacrylonitrile	7.362	41	886	2.751	ug/l #	31
60) Dibromochloromethane	10.727	129	888	1.230	ug/l #	11
64) Tetrachloroethene	10.721	164	1067	1.823	ug/l #	74
76) 1,2,3-Trichloropropane	12.489	75	11754	40.316	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	11754	87.147	ug/l #	11
95) Naphthalene	15.239	128	42380	43.138	ug/l	98

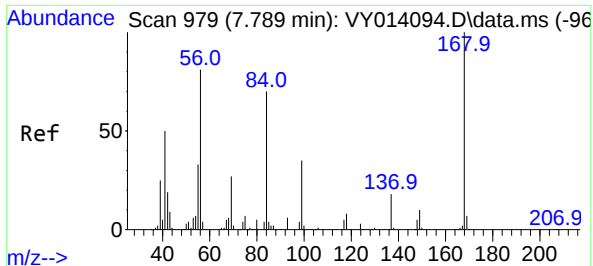
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TOTAL-VOC-SB-19-20-SB-19-GRAB-5

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

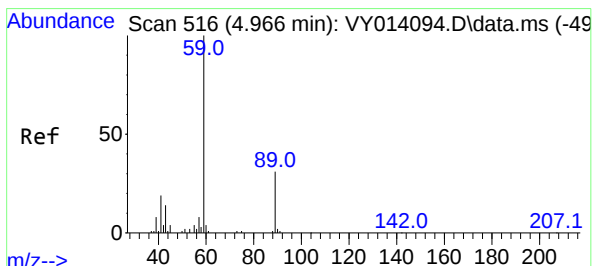
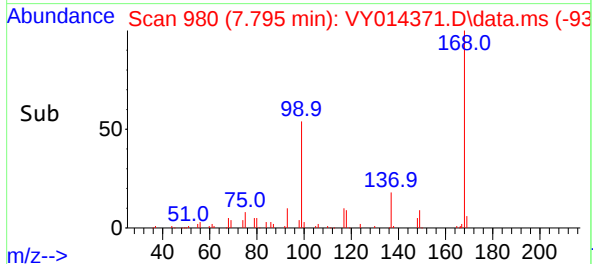
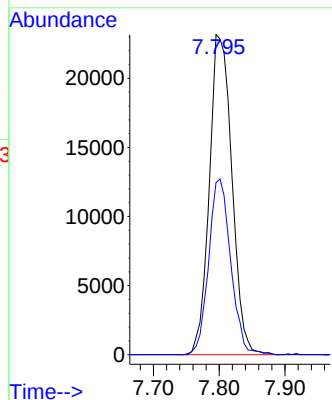
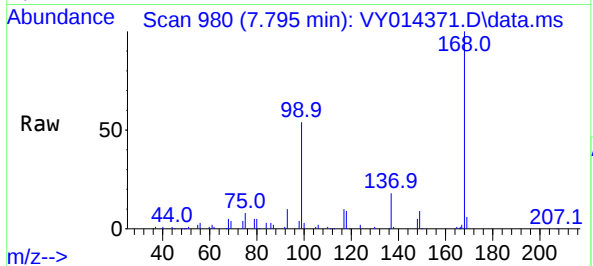




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

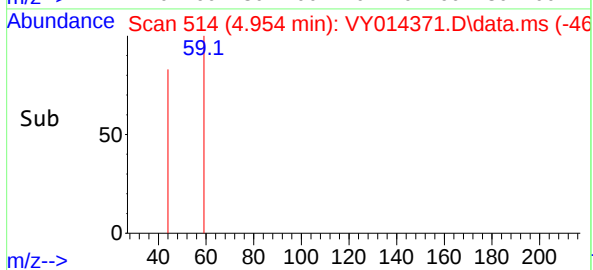
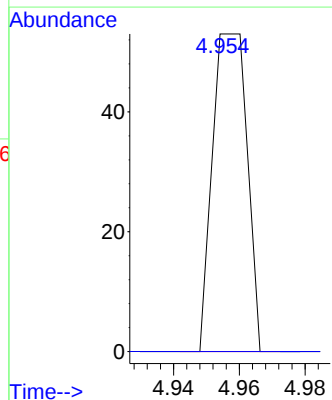
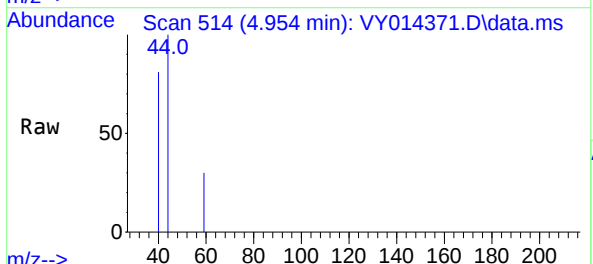
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

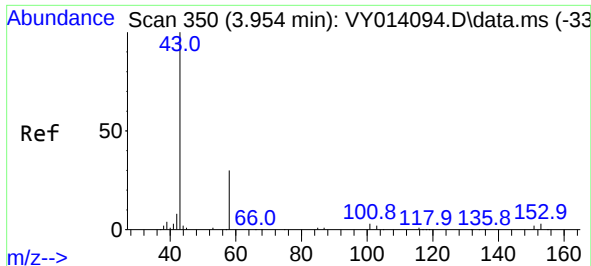
Tgt Ion:168 Resp: 55362
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 59 Resp: 39
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

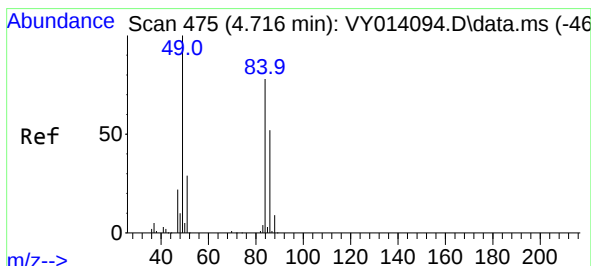
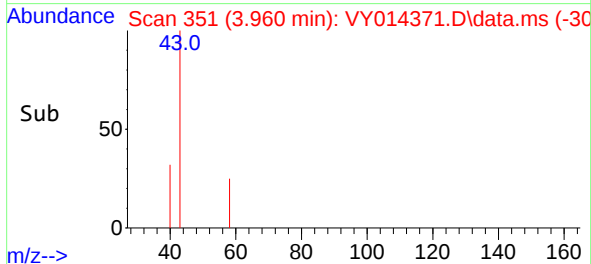
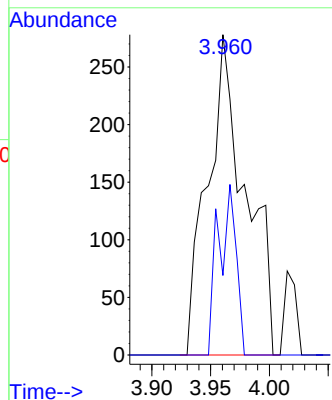
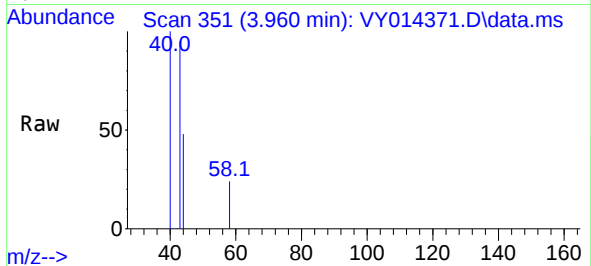




#16
Acetone
Concen: 2.702 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

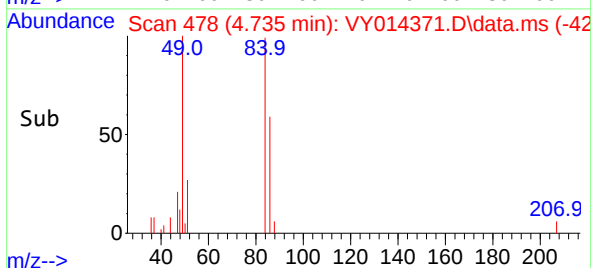
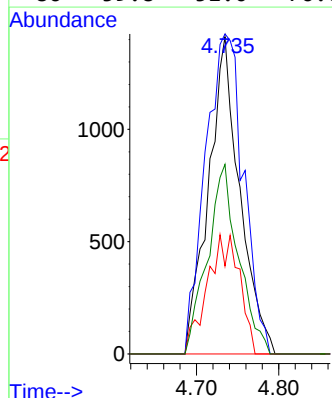
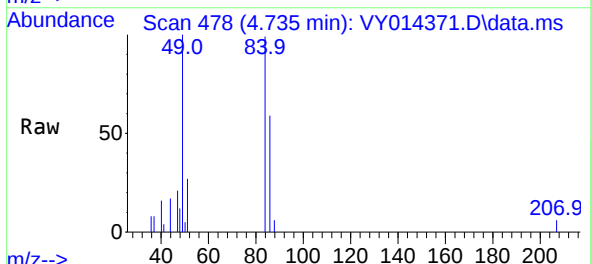
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

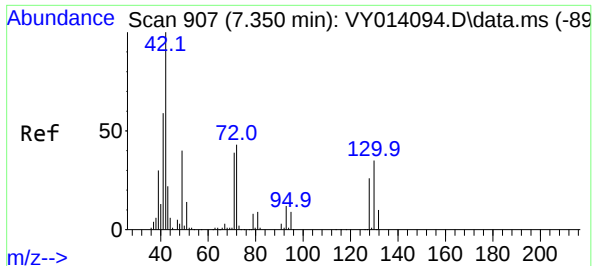
Tgt Ion: 43 Resp: 628
Ion Ratio Lower Upper
43 100
58 24.8 22.7 34.1



#20
Methylene Chloride
Concen: 1.561 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.019 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 84 Resp: 3735
Ion Ratio Lower Upper
84 100
49 100.9 106.9 160.3#
51 27.7 33.2 49.8#
86 59.8 51.0 76.6

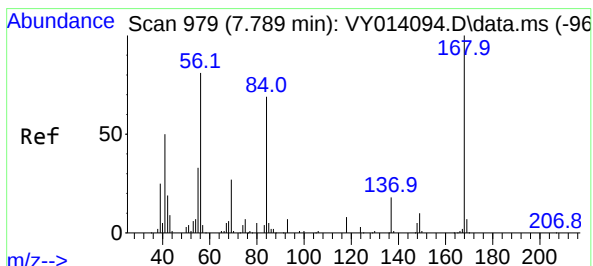
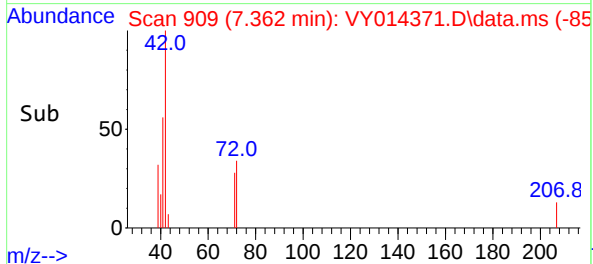
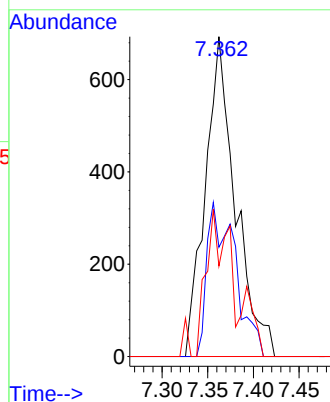
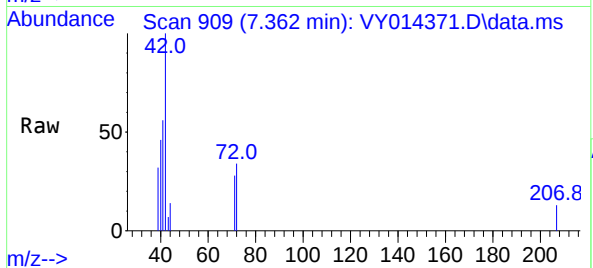




#29
Tetrahydrofuran
Concen: 8.771 ug/l
RT: 7.362 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

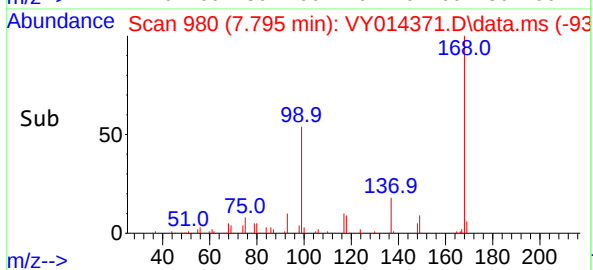
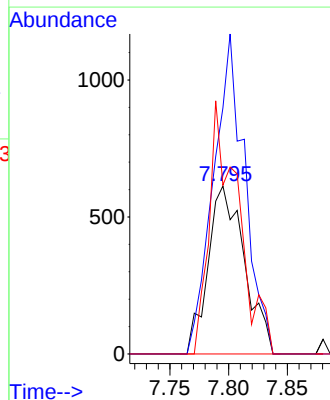
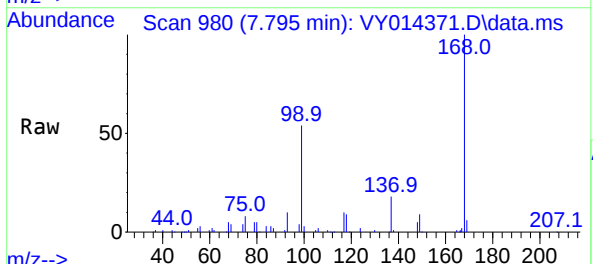
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

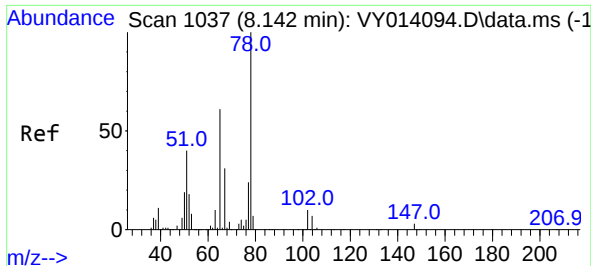
Tgt Ion:	42	Resp:	1591
Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.8	49.2
71	36.0	31.0	46.4



#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion:	56	Resp:	1323
Ion	Ratio	Lower	Upper
56	100		
69	146.5	27.8	41.6#
84	100.7	66.4	99.6#

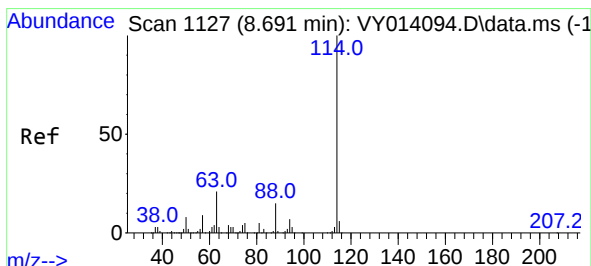
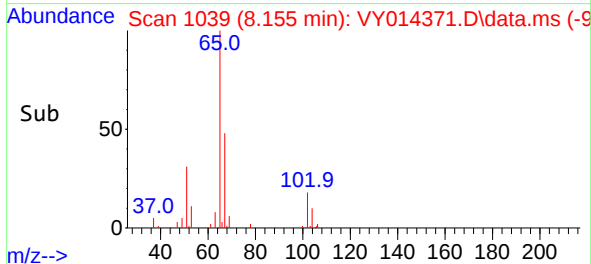
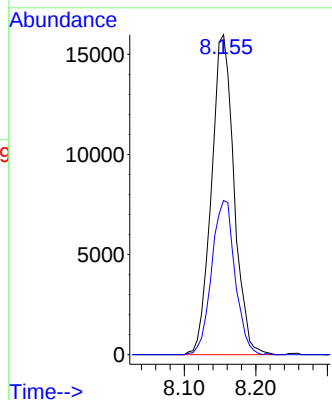
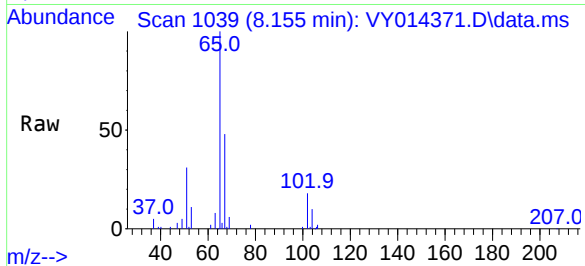




#33
1,2-Dichloroethane-d4
Concen: 45.558 ug/l
RT: 8.155 min Scan# 1037
Delta R.T. 0.013 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

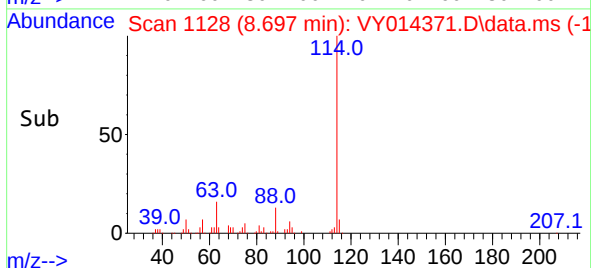
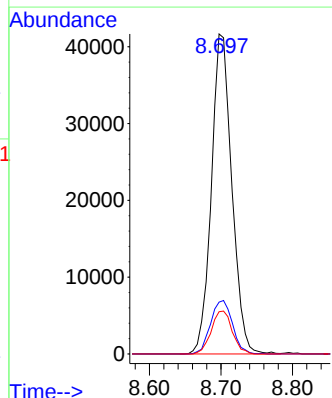
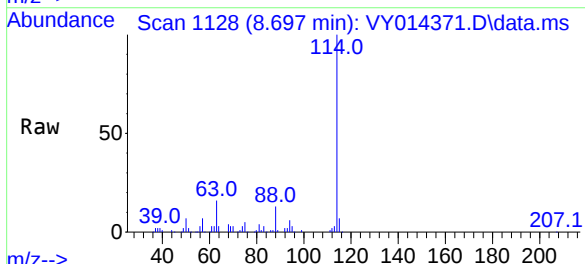
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

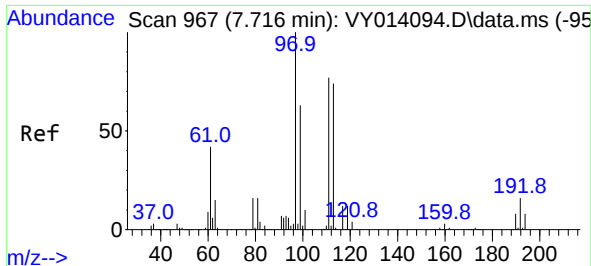
Tgt Ion: 65 Resp: 35122
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 114 Resp: 82731
Ion Ratio Lower Upper
114 100
63 16.2 0.0 42.4
88 13.2 0.0 30.6

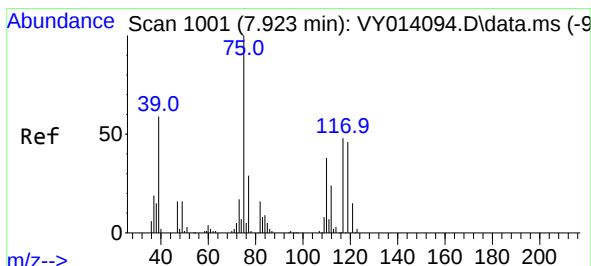
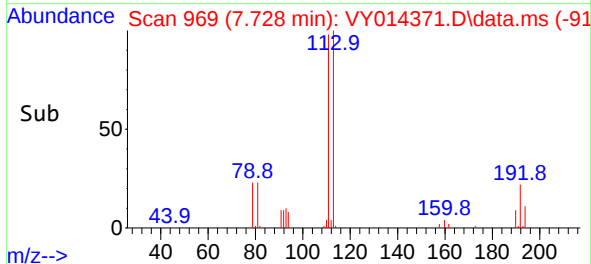
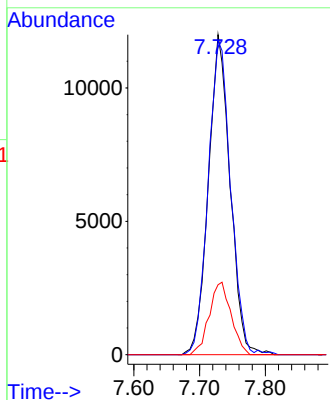
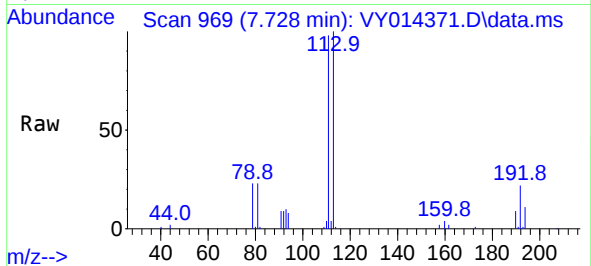




#35
Dibromofluoromethane
Concen: 47.057 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

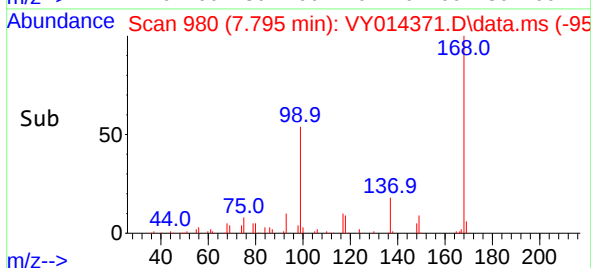
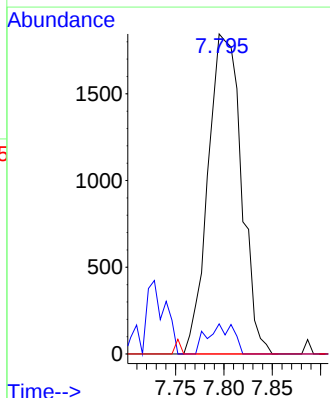
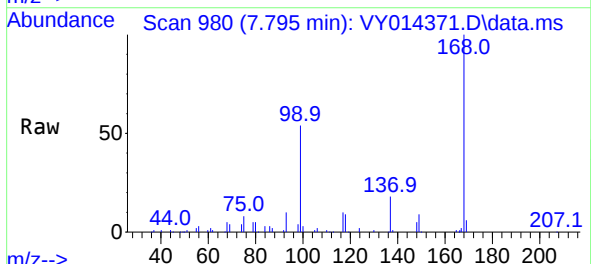
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

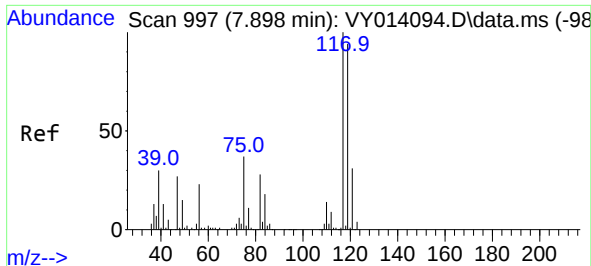
Tgt Ion:113 Resp: 27609
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 22.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.837 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 75 Resp: 4424
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.5#
77 0.0 24.4 36.6#

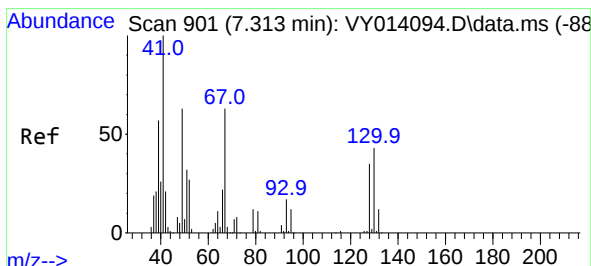
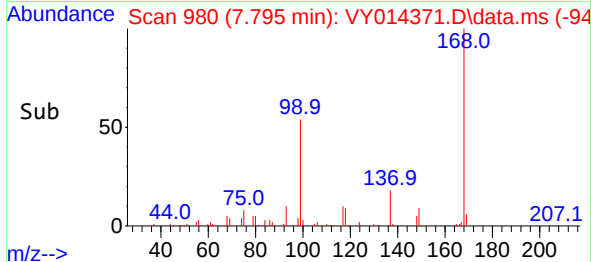
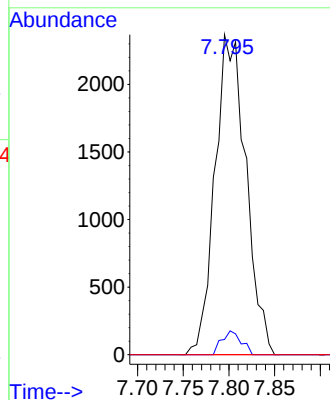
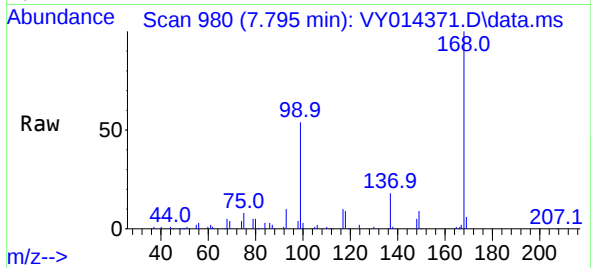




#38
Carbon Tetrachloride
Concen: 5.279 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

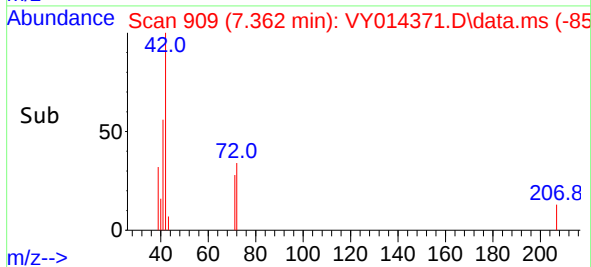
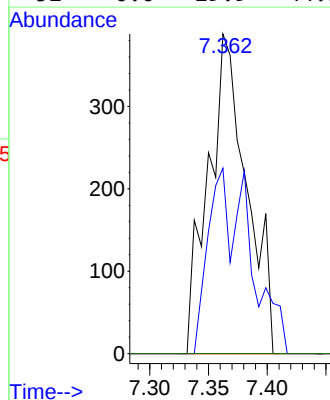
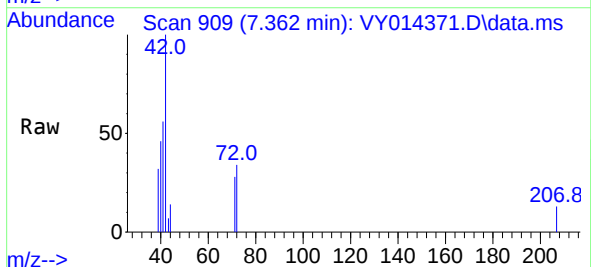
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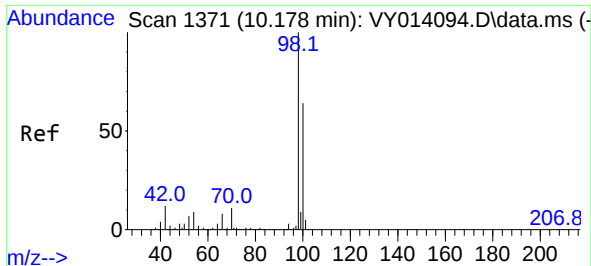
Tgt Ion:117 Resp: 5572
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.751 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.049 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 41 Resp: 886
Ion Ratio Lower Upper
41 100
39 31.6 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

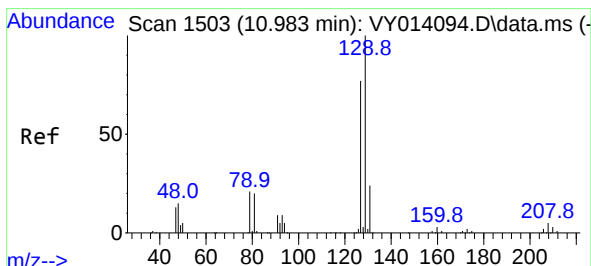
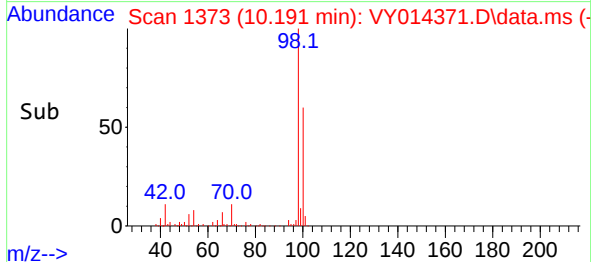
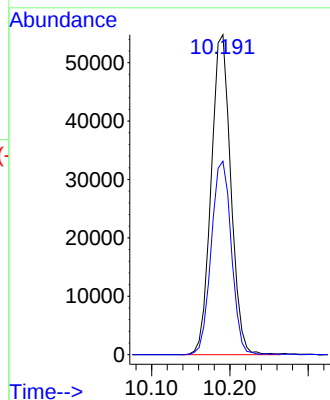
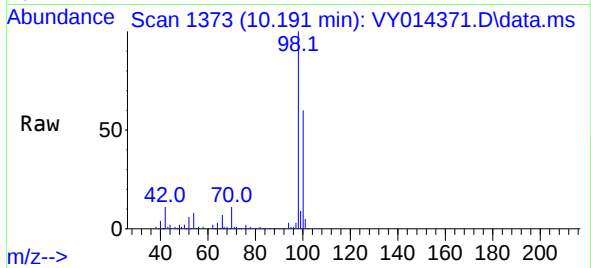




#50
Toluene-d8
Concen: 43.495 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

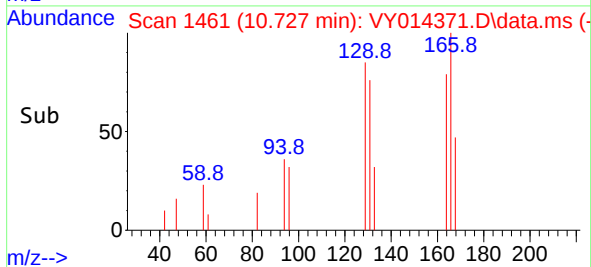
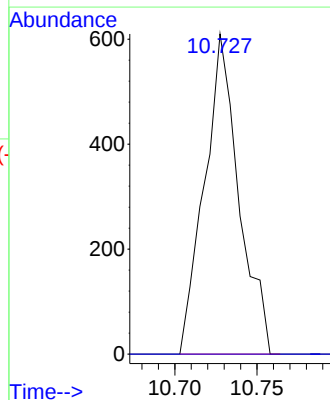
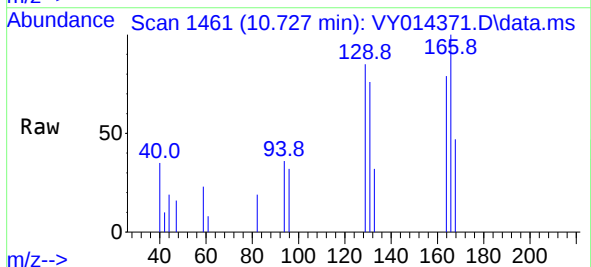
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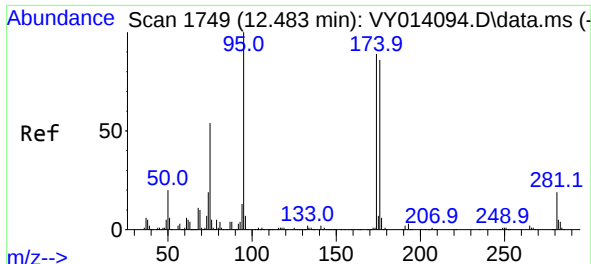
Tgt Ion: 98 Resp: 95404
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1



#60
Dibromochloromethane
Concen: 1.230 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. -0.256 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 129 Resp: 888
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

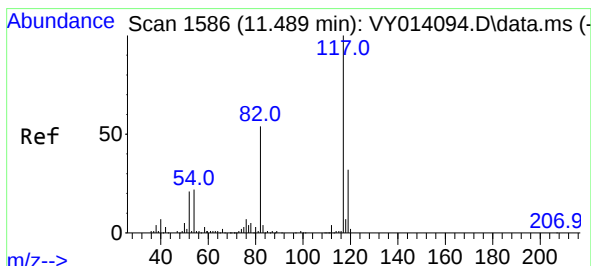
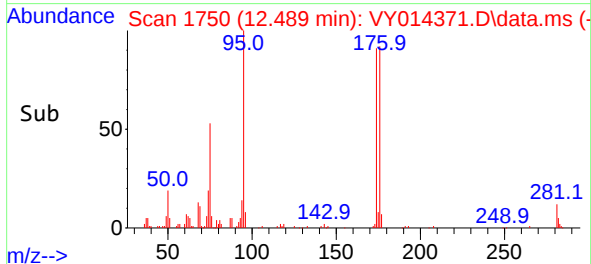
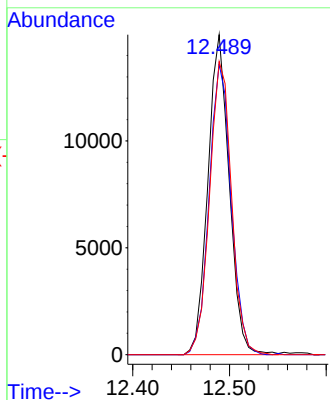
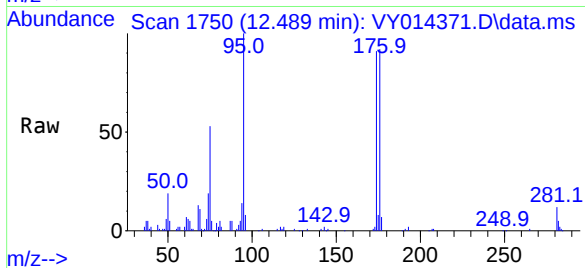




#62
4-Bromofluorobenzene
Concen: 29.468 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

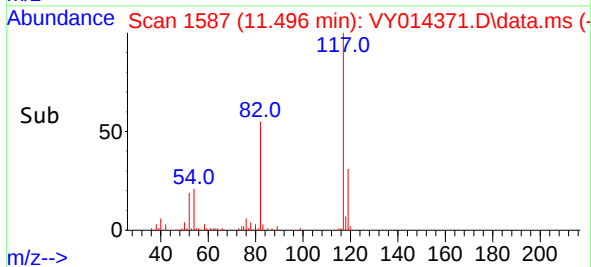
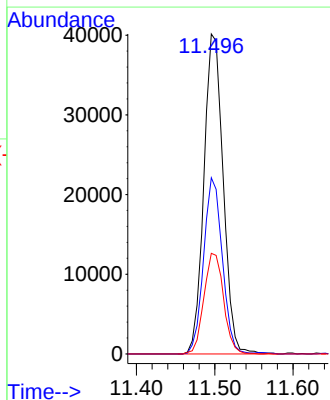
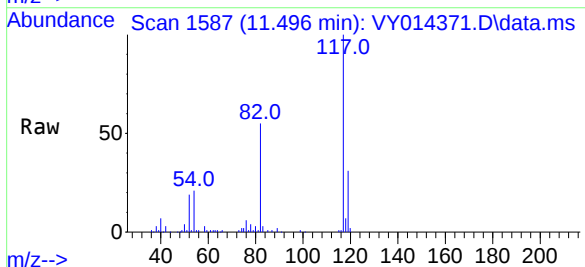
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

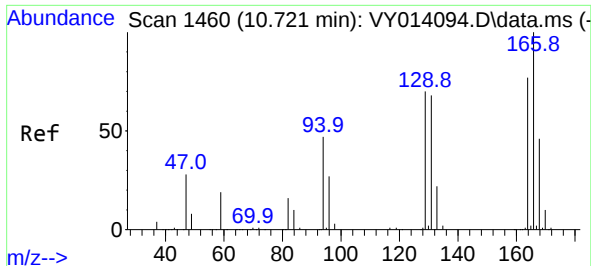
Tgt Ion:	95	Resp:	22961
Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	178.2
176	93.9	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

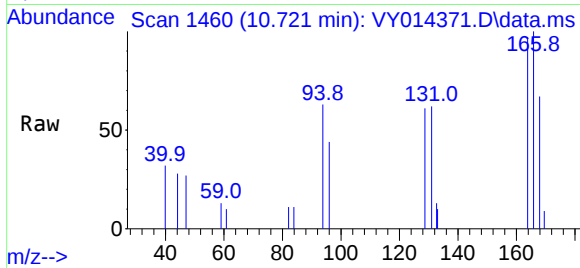
Tgt Ion:	117	Resp:	68670
Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.4	65.0
119	31.5	26.3	39.5



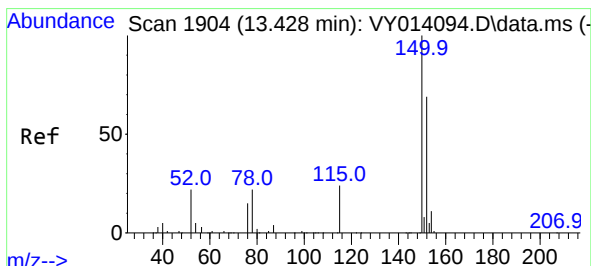
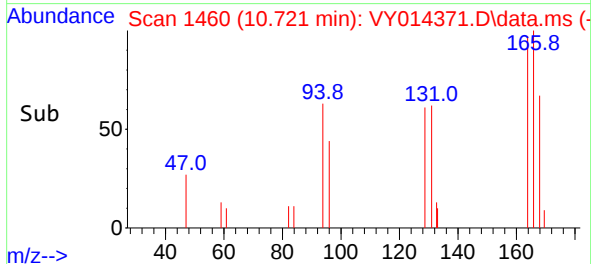
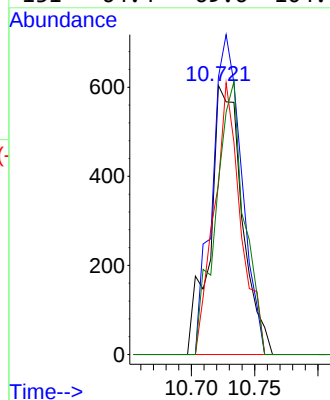


#64
Tetrachloroethene
Concen: 1.823 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-19-GRAB-5

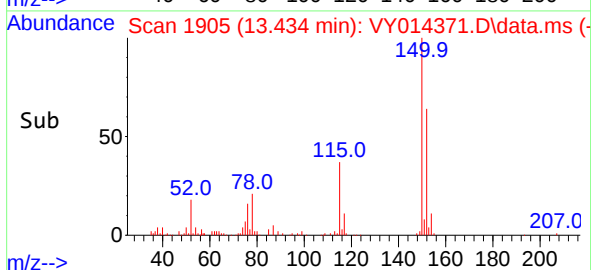
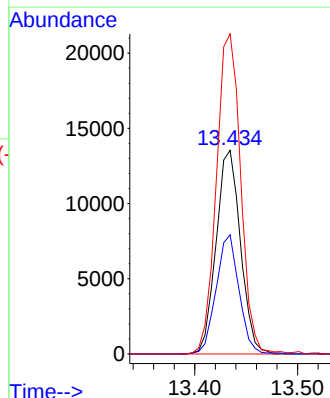
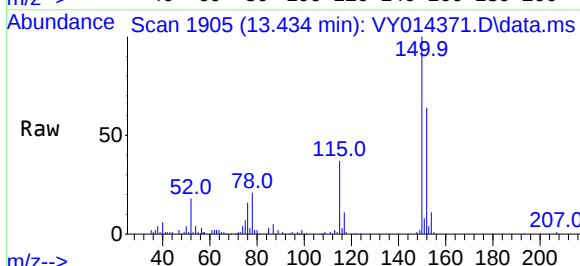


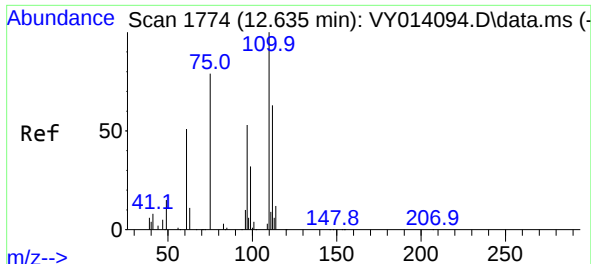
Tgt Ion:164 Resp: 1067
Ion Ratio Lower Upper
164 100
166 103.1 103.0 154.6
129 63.1 77.2 115.8#
131 64.4 69.6 104.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion:152 Resp: 22222
Ion Ratio Lower Upper
152 100
115 55.1 28.8 86.5
150 157.2 0.0 348.8

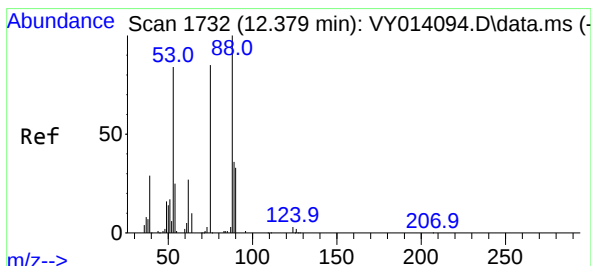
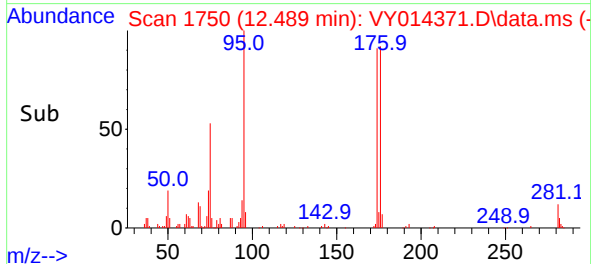
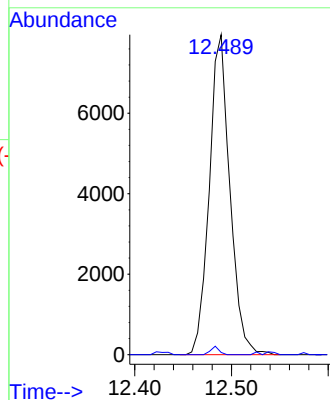
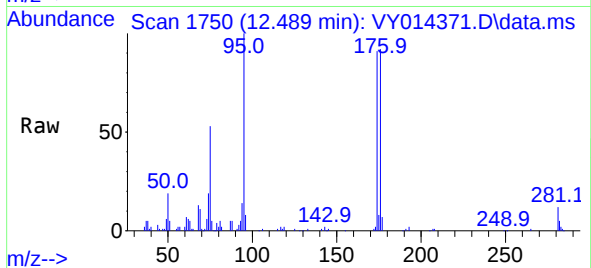




#76
1,2,3-Trichloropropane
Concen: 40.316 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

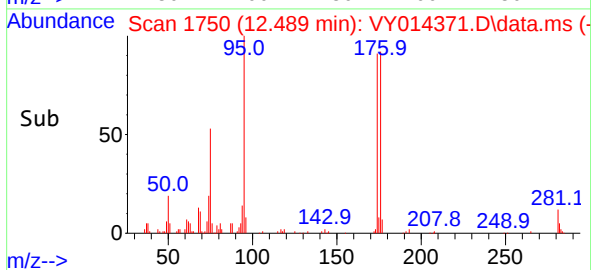
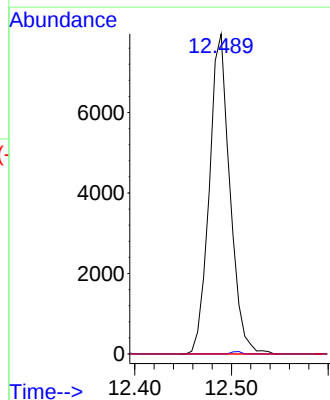
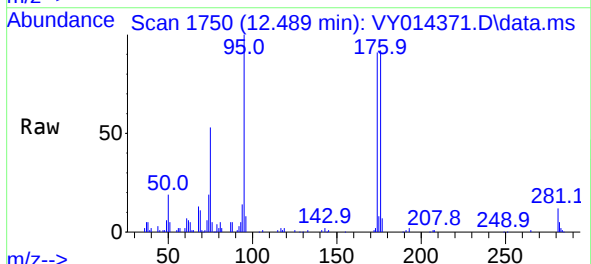
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-19-GRAB-5

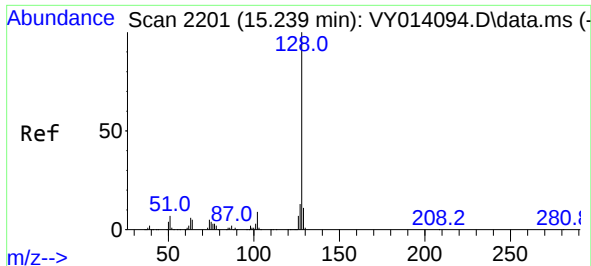
Tgt Ion: 75 Resp: 11754
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.147 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014371.D
Acq: 22 Jun 2023 08:52

Tgt Ion: 75 Resp: 11754
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 43.138 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014371.D

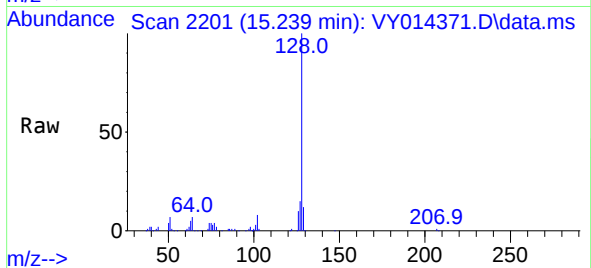
Acq: 22 Jun 2023 08:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-19-GRAB-5



Tgt Ion:128 Resp: 42380

Ion Ratio Lower Upper

128 100

127 14.3 10.8 16.2

129 11.5 8.6 13.0

