

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014380.D
 Acq On : 22 Jun 2023 15:38
 Operator : KP/MD
 Sample : 03296-24RE
 Misc : 2.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-07-GRAB-7

Quant Time: Jun 22 17:19:36 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)

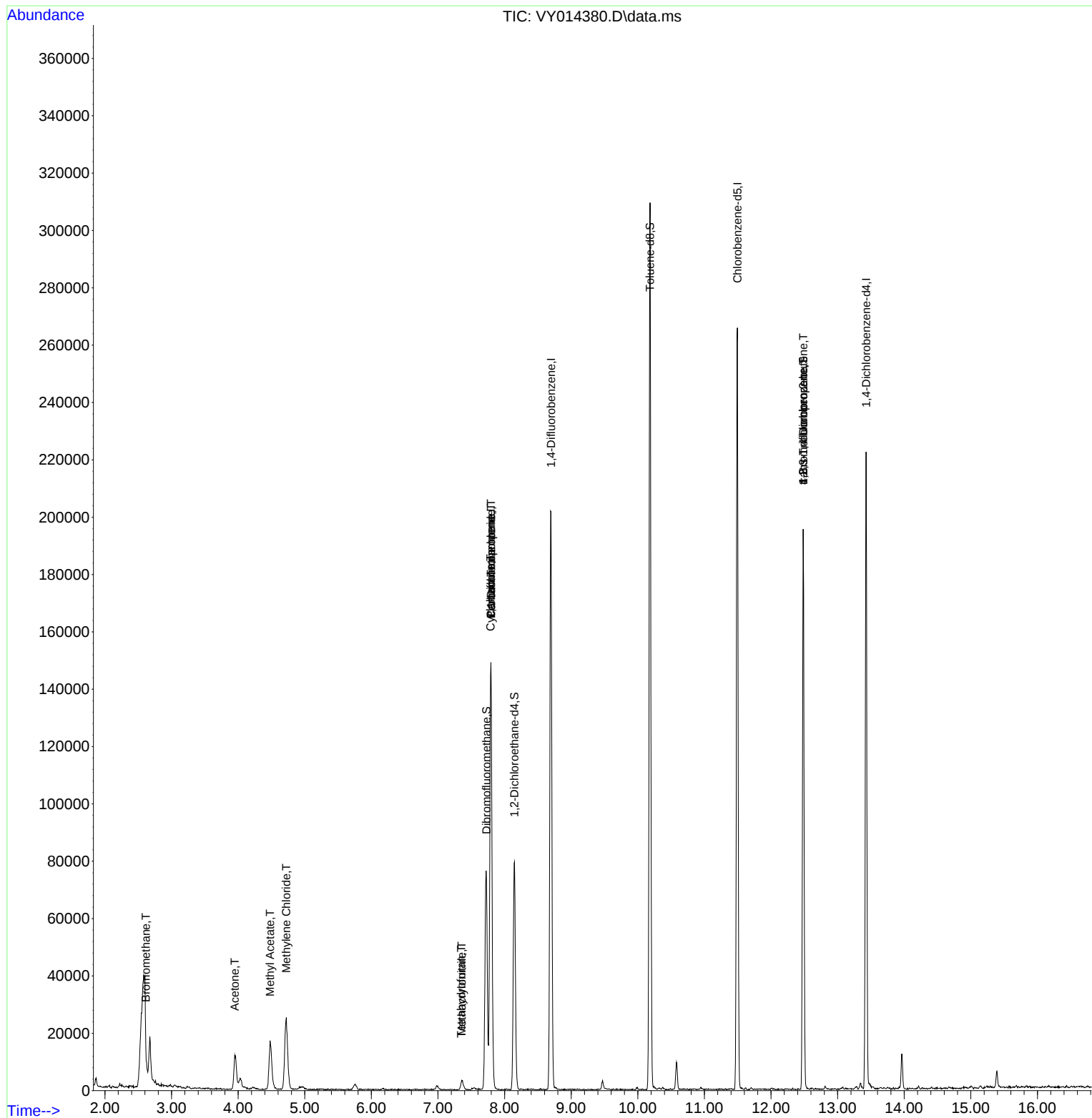
Internal Standards						
1) Pentafluorobenzene	7.795	168	121156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	176471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	146321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	68545	40.628	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.260%		
35) Dibromofluoromethane	7.728	113	53746	42.946	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.900%		
50) Toluene-d8	10.185	98	203760	43.549	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.100%		
62) 4-Bromofluorobenzene	12.483	95	54233	32.630	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	65.260%		
Target Compounds						Qvalue
5) Bromomethane	2.613	94	1876	1.366	ug/l	89
11) Tert butyl alcohol	4.966	59	1731	Below Cal	#	89
16) Acetone	3.948	43	20683	40.671	ug/l #	83
18) Methyl Acetate	4.479	43	32297	16.362	ug/l	97
20) Methylene Chloride	4.722	84	18737	8.570	ug/l	92
29) Tetrahydrofuran	7.350	42	2074	5.225	ug/l #	85
31) Cyclohexane	7.789	56	2387	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8676	4.447	ug/l #	52
38) Carbon Tetrachloride	7.795	117	11514	5.114	ug/l #	16
41) Methacrylonitrile	7.356	41	1342	1.953	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	29859	38.322	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	29859	82.836	ug/l #	11

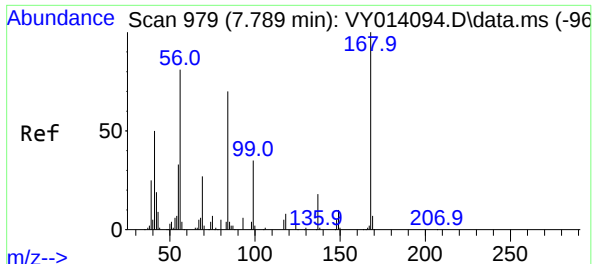
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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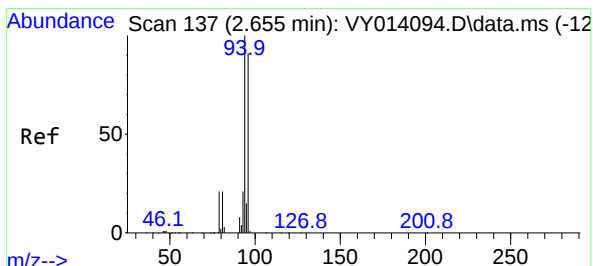
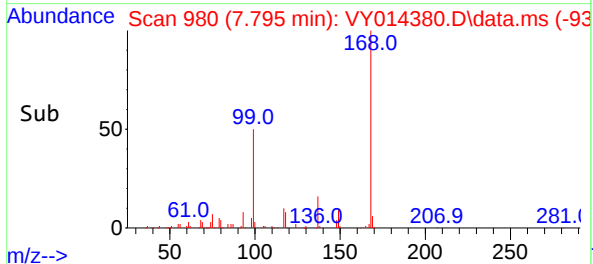
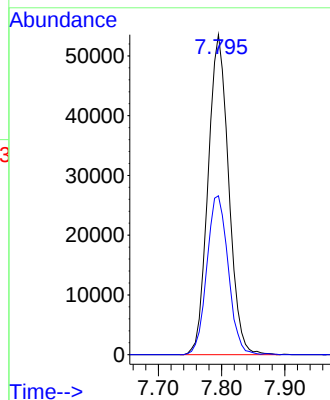
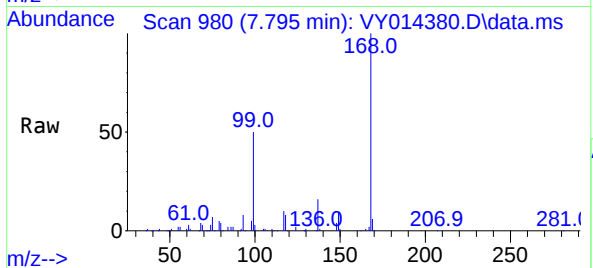




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

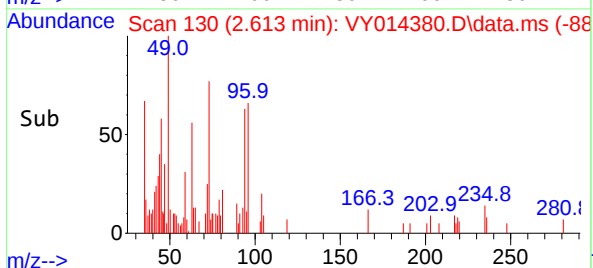
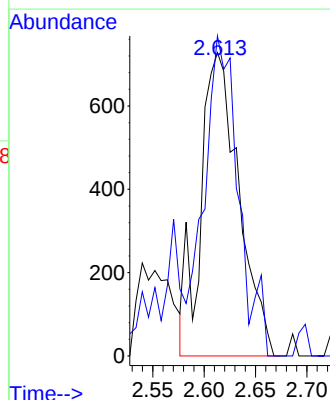
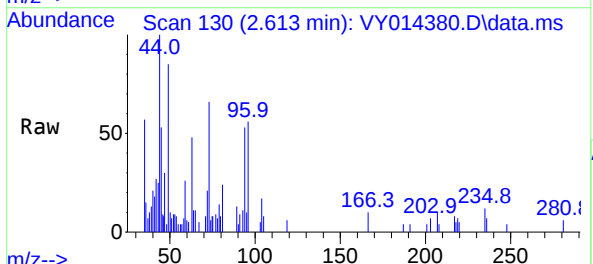
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

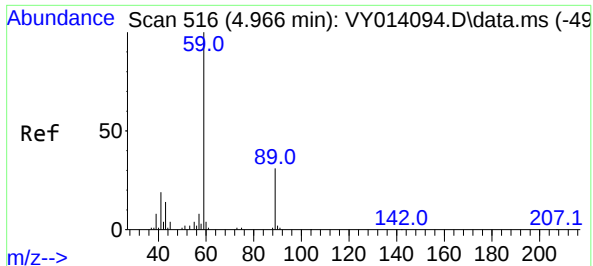
Tgt Ion:168 Resp: 121156
Ion Ratio Lower Upper
168 100
99 49.6 43.4 65.0



#5
Bromomethane
Concen: 1.366 ug/l
RT: 2.613 min Scan# 130
Delta R.T. -0.042 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 94 Resp: 1876
Ion Ratio Lower Upper
94 100
96 105.5 75.8 113.6

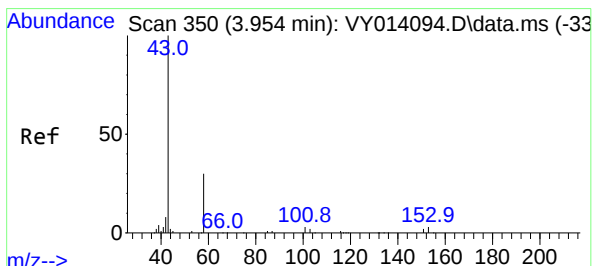
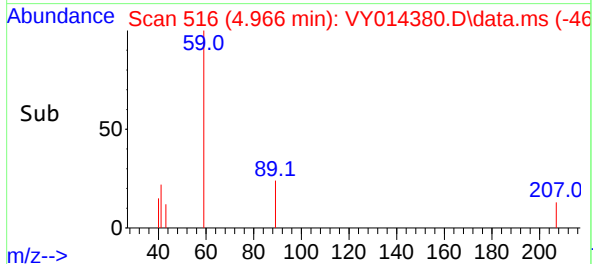
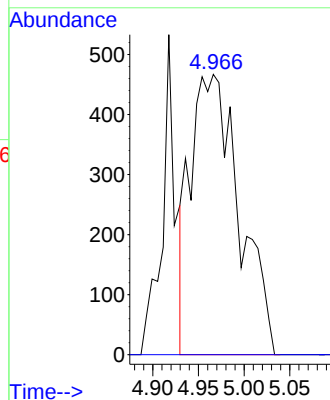
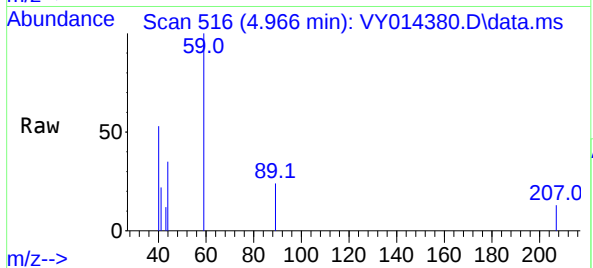




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

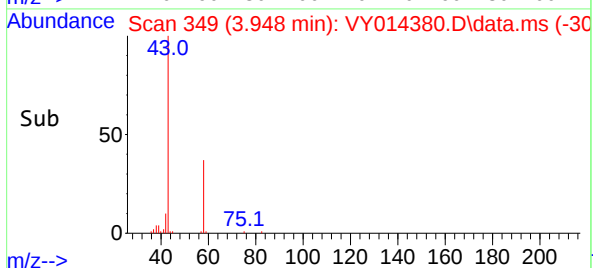
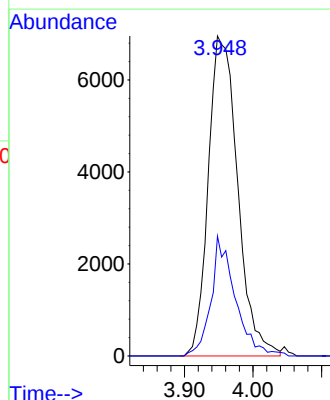
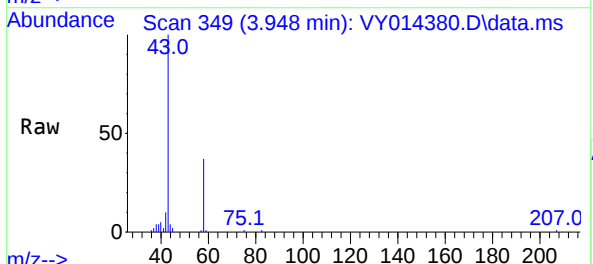
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-TW-07-GRAB-7

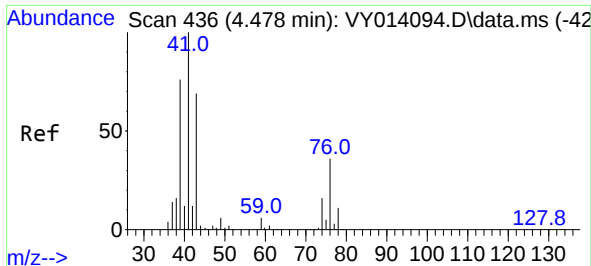
Tgt Ion: 59 Resp: 1731
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 40.671 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 43 Resp: 20683
Ion Ratio Lower Upper
43 100
58 37.4 22.7 34.1#

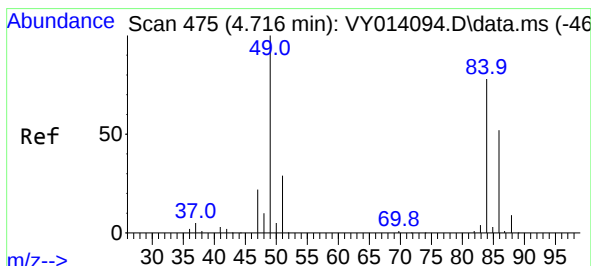
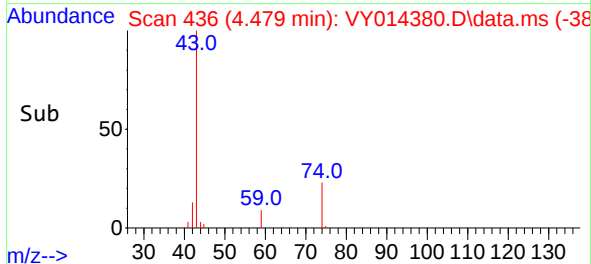
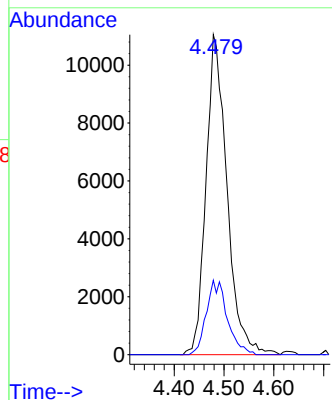
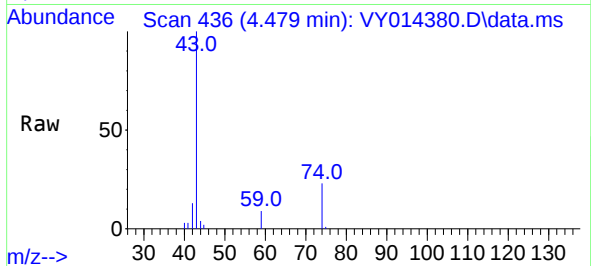




#18
Methyl Acetate
Concen: 16.362 ug/l
RT: 4.479 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

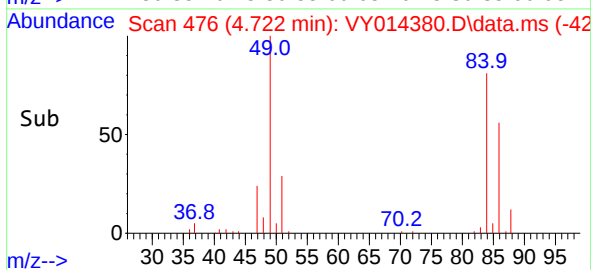
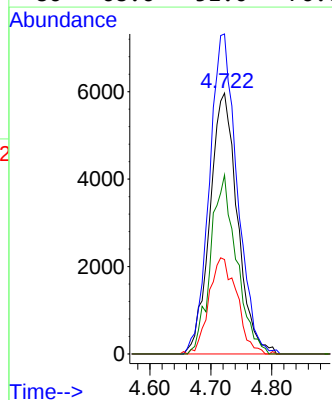
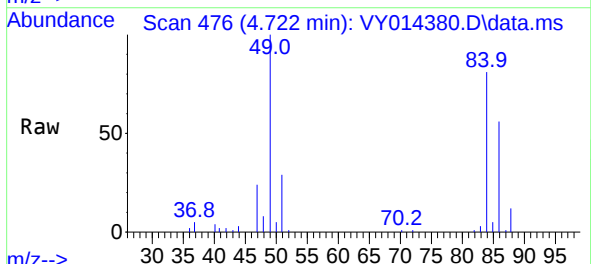
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

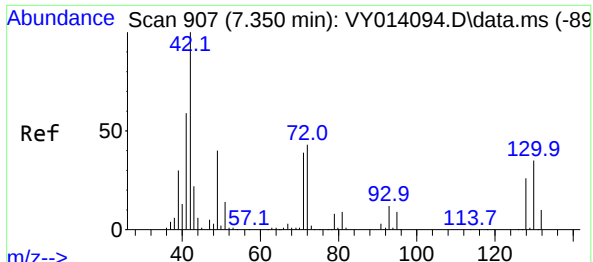
Tgt Ion: 43 Resp: 32297
Ion Ratio Lower Upper
43 100
74 23.3 17.4 26.0



#20
Methylene Chloride
Concen: 8.570 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 84 Resp: 18737
Ion Ratio Lower Upper
84 100
49 122.7 106.9 160.3
51 36.2 33.2 49.8
86 68.6 51.0 76.6

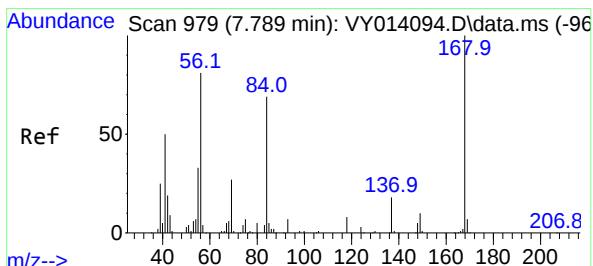
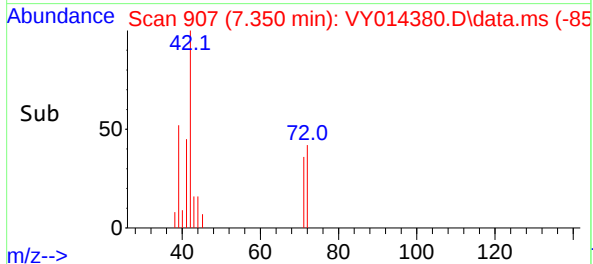
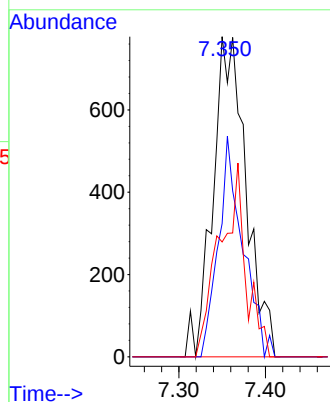
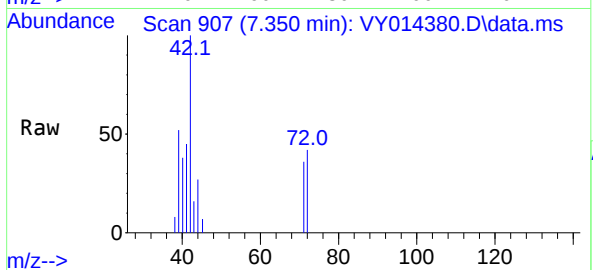




#29
Tetrahydrofuran
Concen: 5.225 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

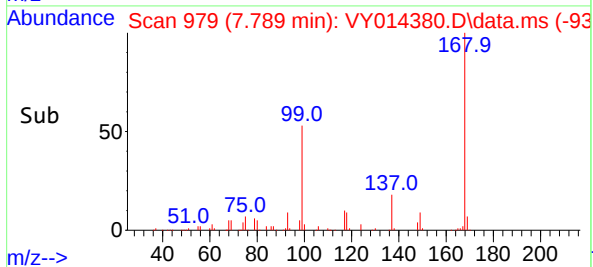
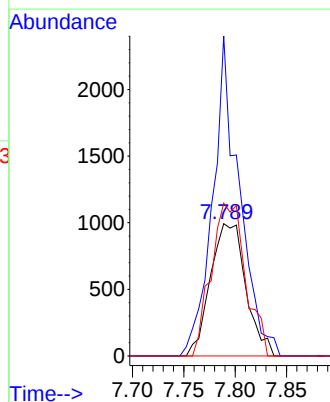
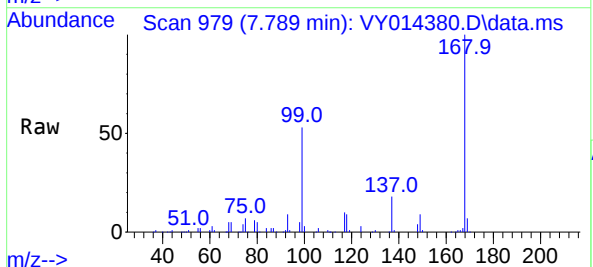
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

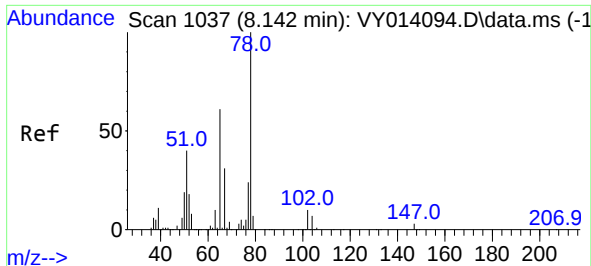
Tgt Ion:	42	Resp:	2074
Ion	Ratio	Lower	Upper
42	100		
72	50.7	32.8	49.2#
71	47.5	31.0	46.4#



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion:	56	Resp:	2387
Ion	Ratio	Lower	Upper
56	100		
69	241.9	27.8	41.6#
84	115.4	66.4	99.6#

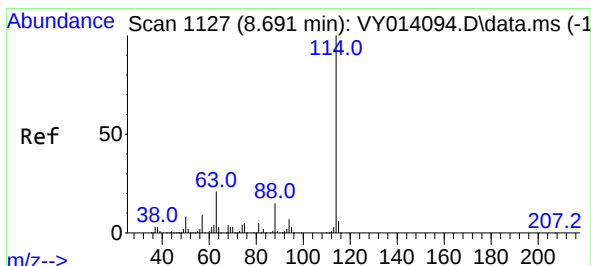
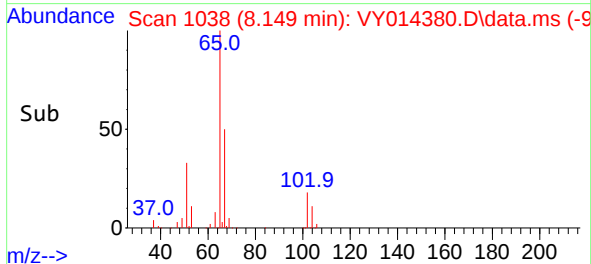
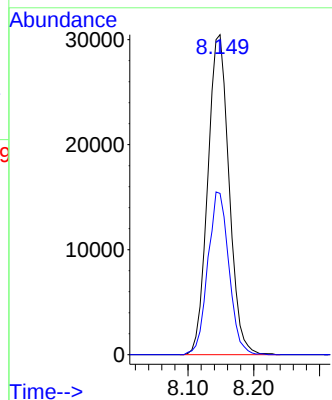
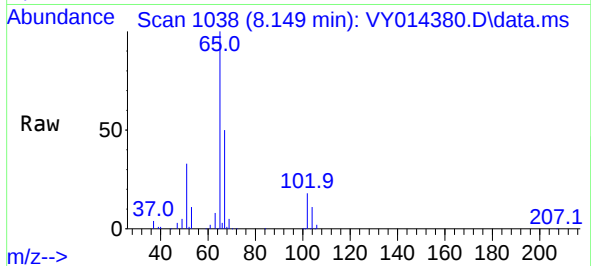




#33
1,2-Dichloroethane-d4
Concen: 40.628 ug/l
RT: 8.149 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

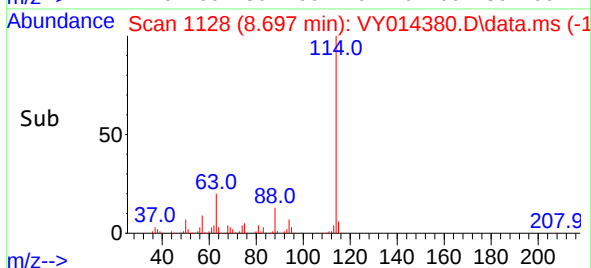
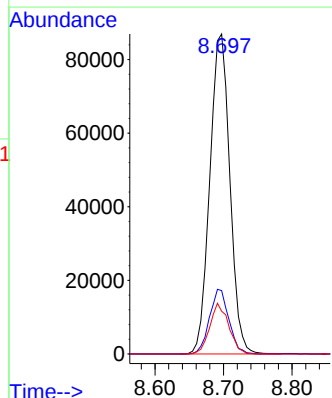
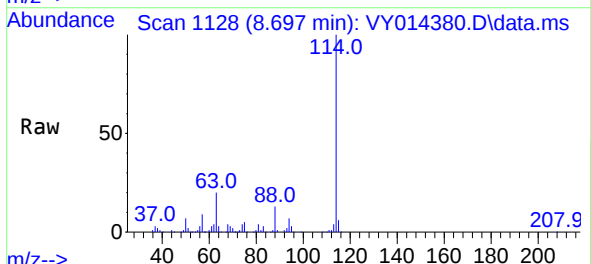
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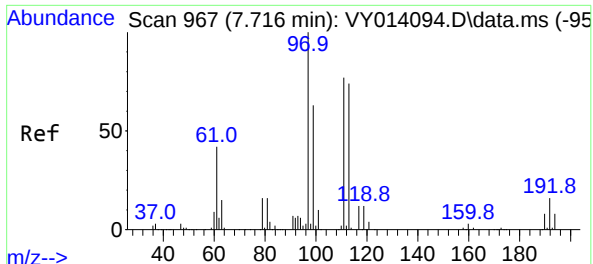
Tgt Ion: 65 Resp: 68545
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 114 Resp: 176471
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 13.4 0.0 30.6

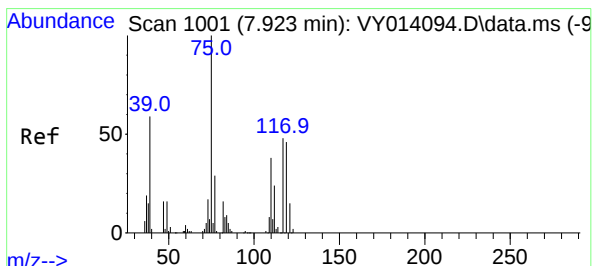
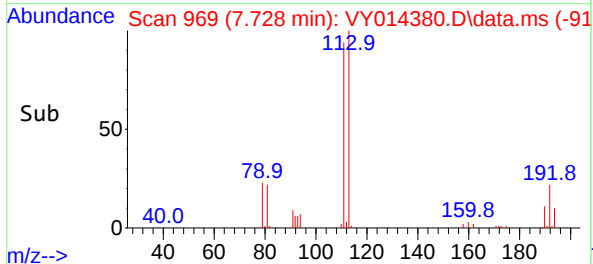
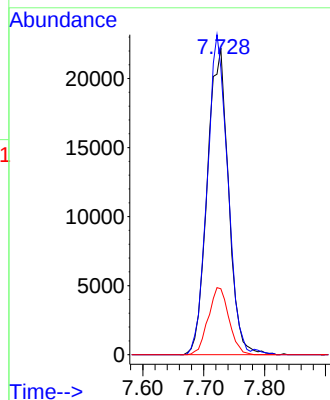
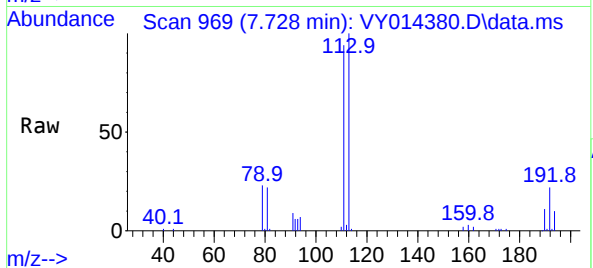




#35
Dibromofluoromethane
Concen: 42.946 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

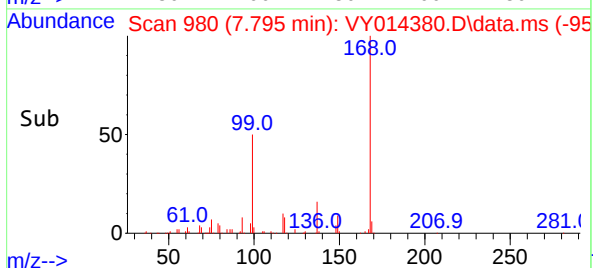
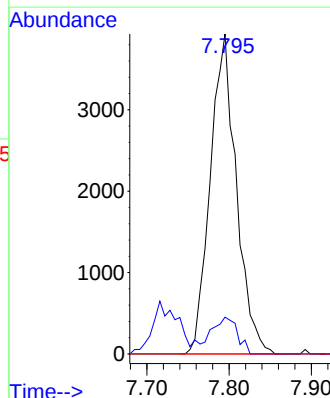
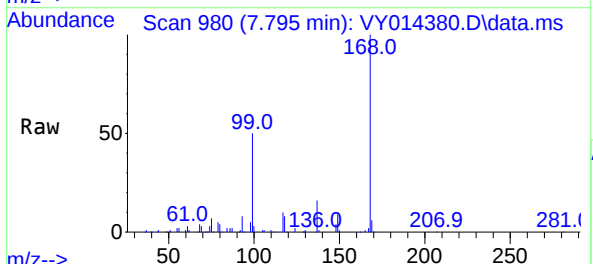
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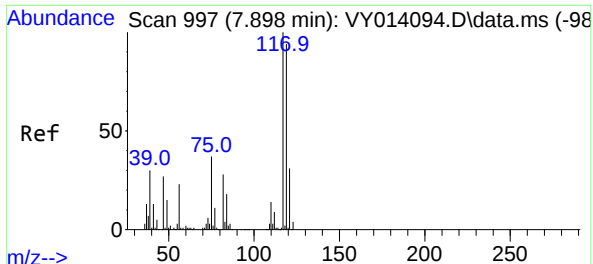
Tgt Ion:113 Resp: 53746
Ion Ratio Lower Upper
113 100
111 100.6 81.3 121.9
192 21.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 75 Resp: 8676
Ion Ratio Lower Upper
75 100
110 11.3 17.8 53.5#
77 0.0 24.4 36.6#

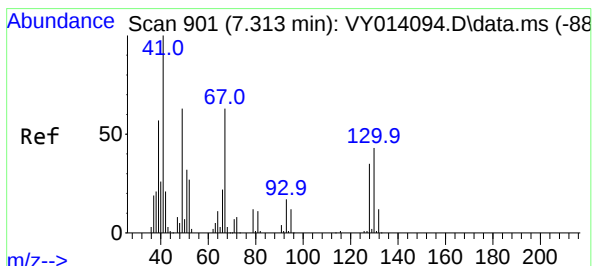
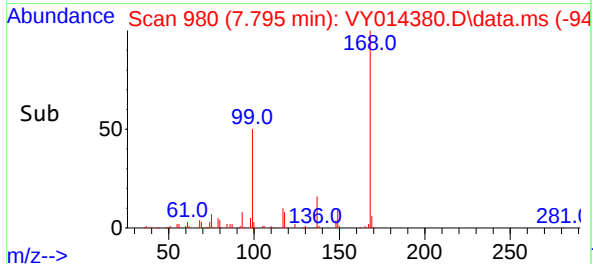
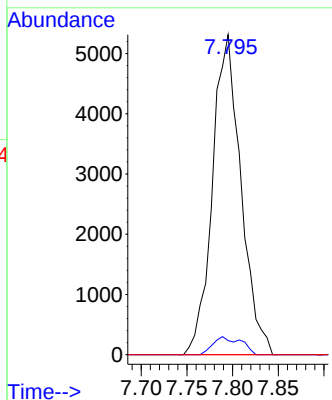
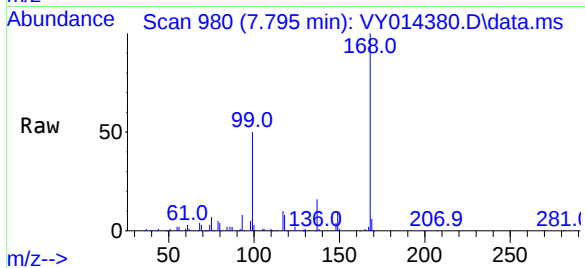




#38
Carbon Tetrachloride
Concen: 5.114 ug/l
RT: 7.795 min Scan# 911
Delta R.T. -0.103 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

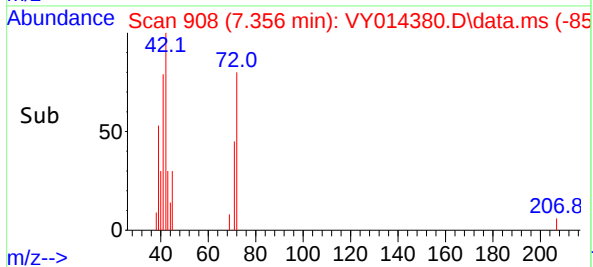
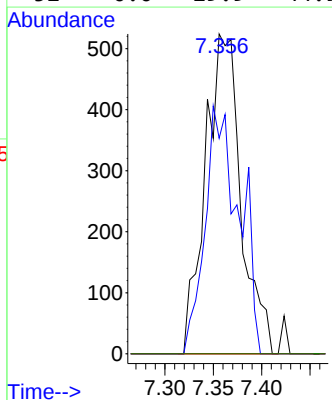
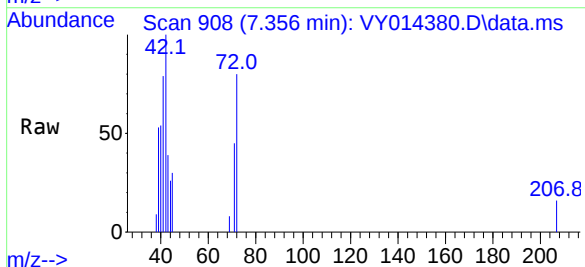
Instrument :
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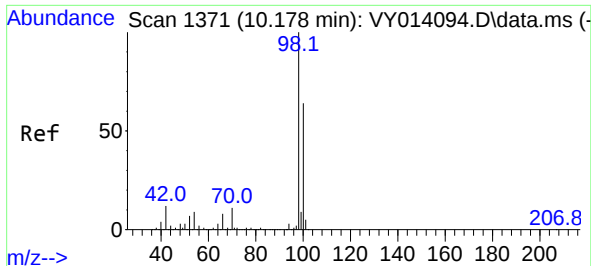
Tgt Ion:117 Resp: 11514
Ion Ratio Lower Upper
117 100
119 4.4 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.953 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 41 Resp: 1342
Ion Ratio Lower Upper
41 100
39 74.2 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

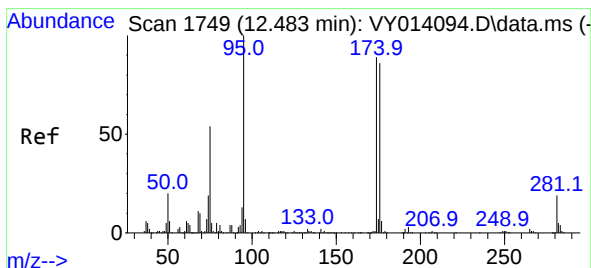
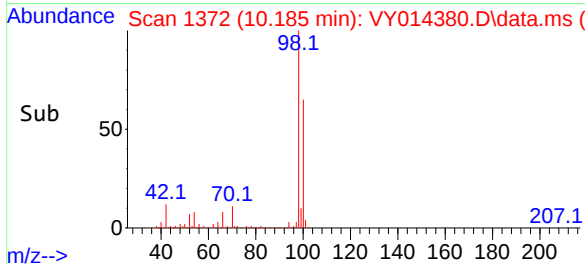
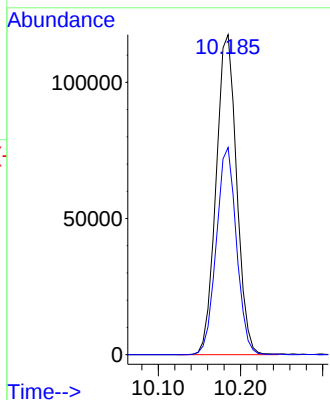
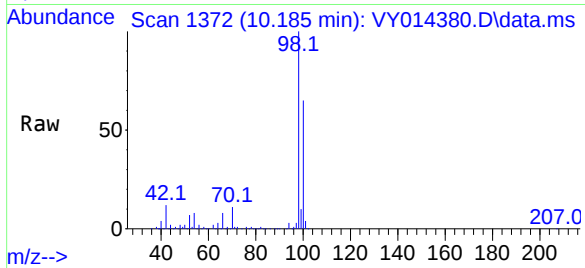




#50
Toluene-d8
Concen: 43.549 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

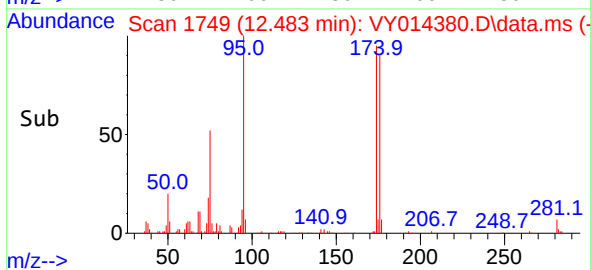
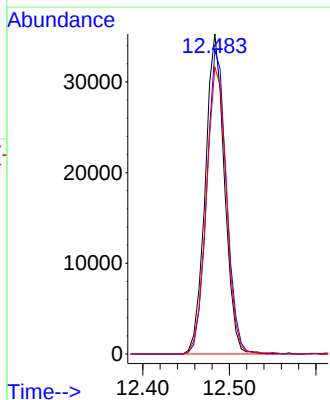
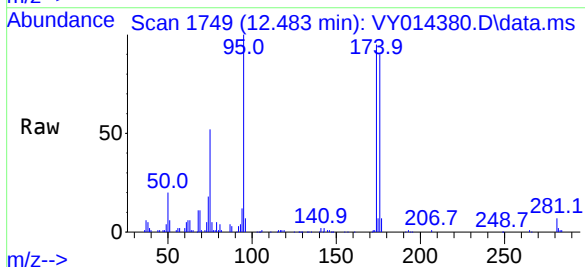
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

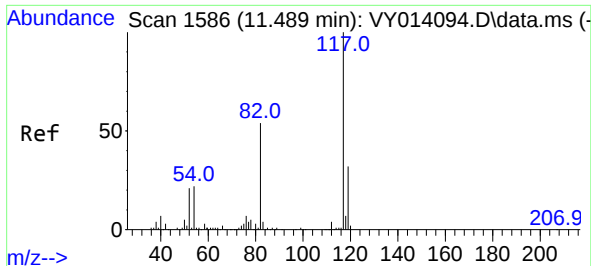
Tgt Ion: 98 Resp: 203760
Ion Ratio Lower Upper
98 100
100 63.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 32.630 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 95 Resp: 54233
Ion Ratio Lower Upper
95 100
174 97.5 0.0 178.2
176 94.6 0.0 173.8

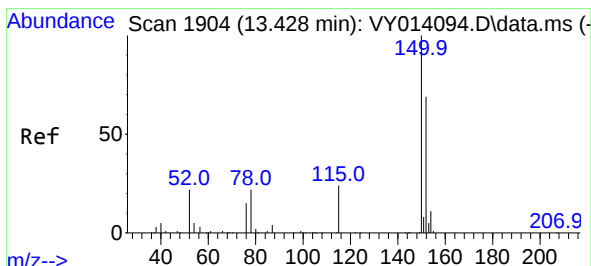
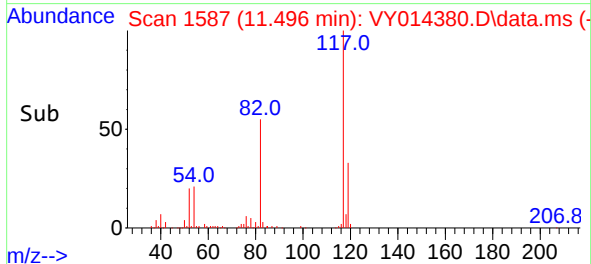
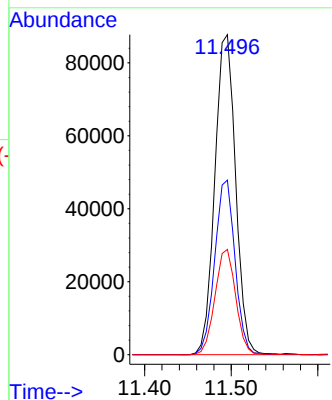
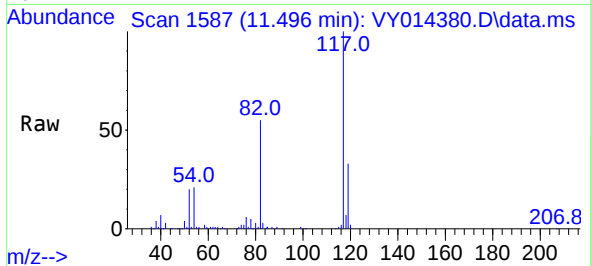




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

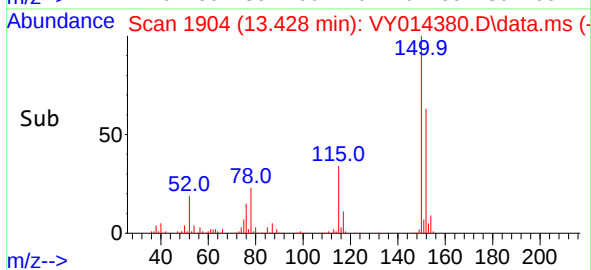
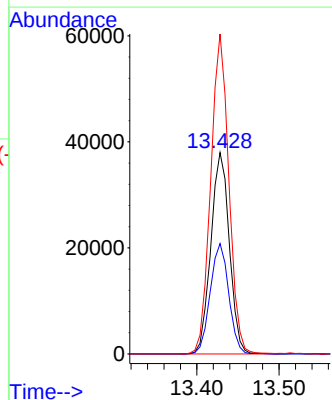
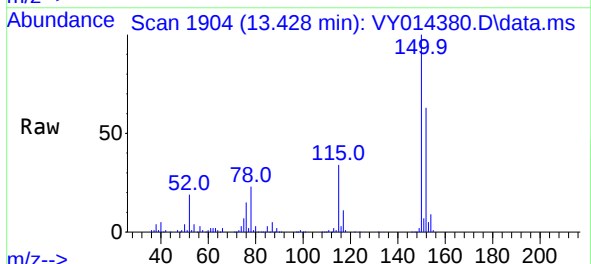
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

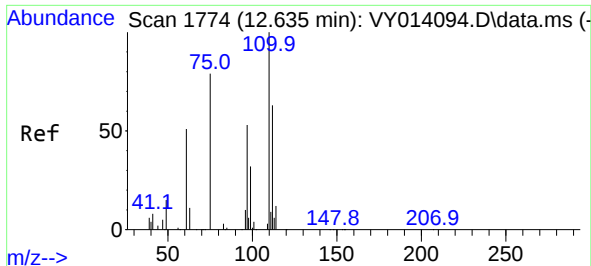
Tgt Ion:117 Resp: 146321
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion:152 Resp: 59389
Ion Ratio Lower Upper
152 100
115 54.9 28.8 86.5
150 155.6 0.0 348.8

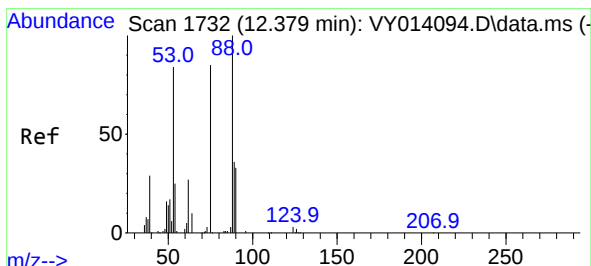
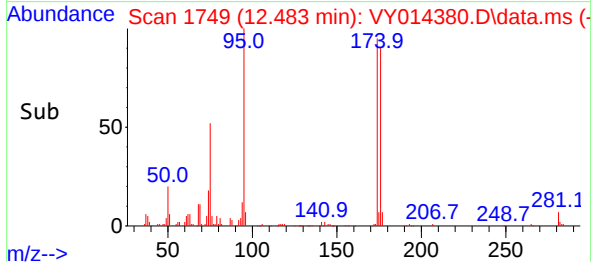
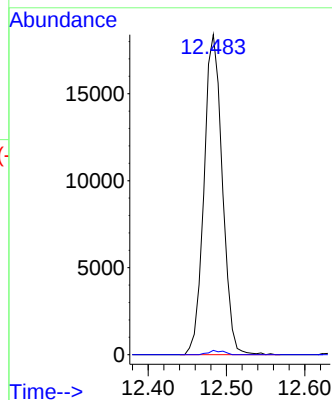
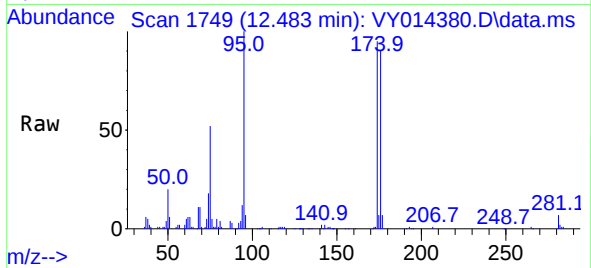




#76
1,2,3-Trichloropropane
Concen: 38.322 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-7

Tgt Ion: 75 Resp: 29859
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.836 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014380.D
Acq: 22 Jun 2023 15:38

Tgt Ion: 75 Resp: 29859
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.1 37.4 56.0#

