

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014379.D
 Acq On : 22 Jun 2023 15:15
 Operator : KP/MD
 Sample : 03296-23RE
 Misc : 2.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-07-GRAB-6RE

Quant Time: Jun 22 17:19:29 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)

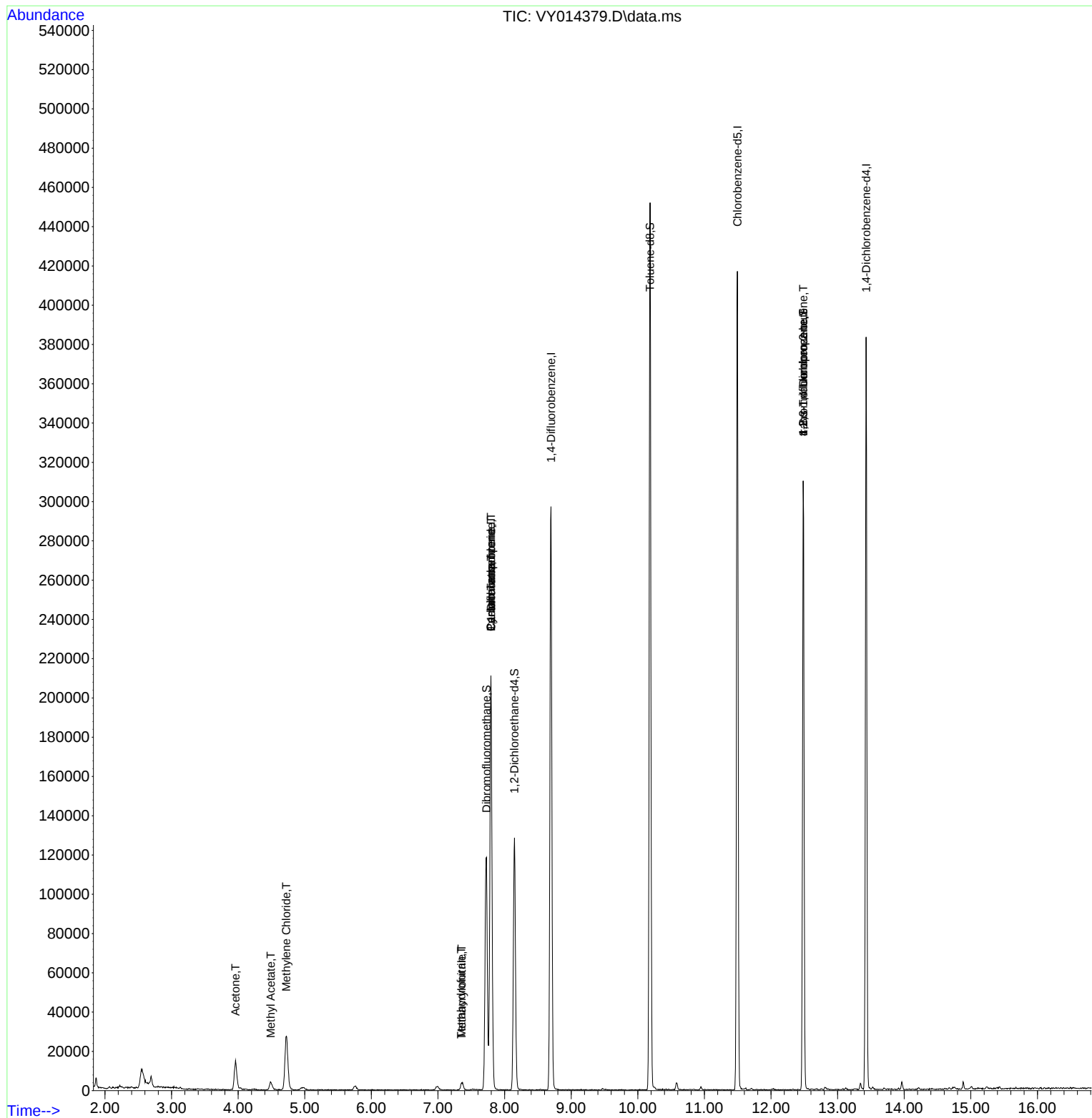
Internal Standards						
1) Pentafluorobenzene	7.795	168	163333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	251888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	225979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110428	48.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.100%
35) Dibromofluoromethane	7.728	113	81247	45.483	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.960%
50) Toluene-d8	10.185	98	296802	44.442	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.880%
62) 4-Bromofluorobenzene	12.483	95	88685	37.383	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	2813	Below Cal	#	95
16) Acetone	3.960	43	25391	37.035	ug/l	97
18) Methyl Acetate	4.491	43	7622	2.864	ug/l	93
20) Methylene Chloride	4.722	84	20390	6.173	ug/l	90
29) Tetrahydrofuran	7.350	42	3066	5.729	ug/l	# 92
31) Cyclohexane	7.795	56	3353	1.100	ug/l	# 12
36) 1,1-Dichloropropene	7.795	75	12303	4.418	ug/l	# 49
38) Carbon Tetrachloride	7.795	117	16455	5.120	ug/l	# 18
41) Methacrylonitrile	7.356	41	1951	1.989	ug/l	# 40
76) 1,2,3-Trichloropropane	12.483	75	49182	38.160	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	49182	82.488	ug/l	# 11

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

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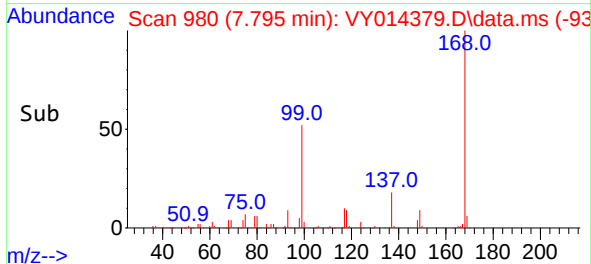
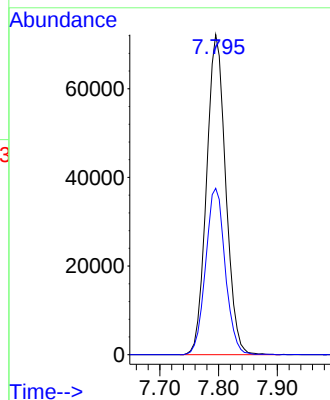
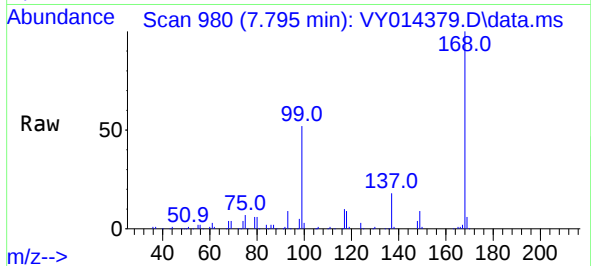




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

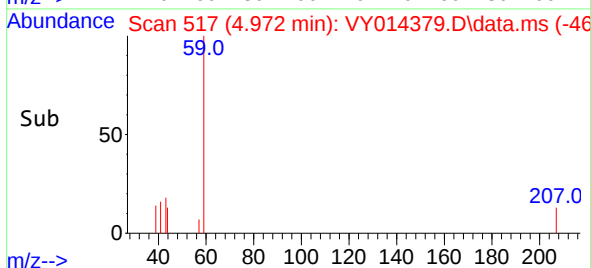
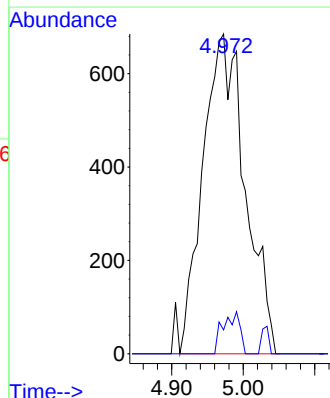
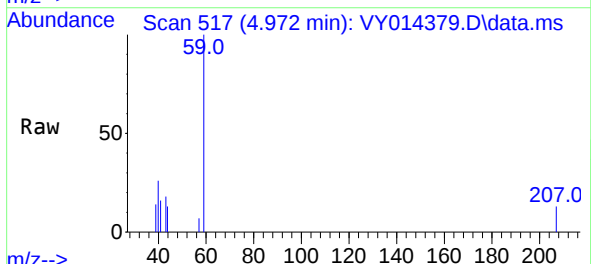
Instrument :
MSVOA_Y
ClientSampleId :
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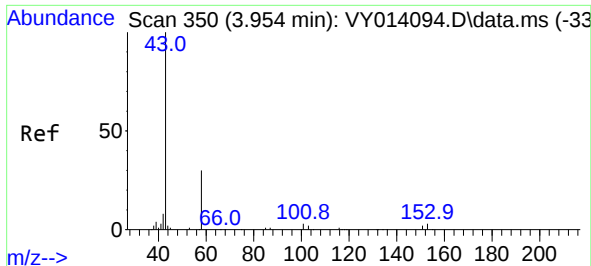
Tgt Ion:168 Resp: 163333
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Tgt Ion: 59 Resp: 2813
Ion Ratio Lower Upper
59 100
57 5.2 3.0 4.4#

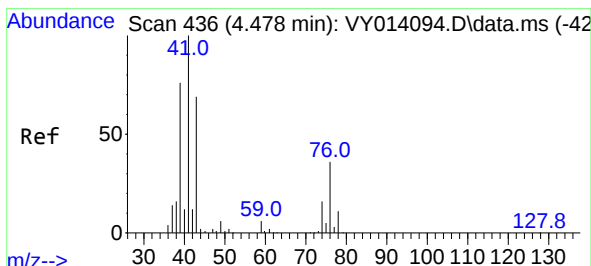
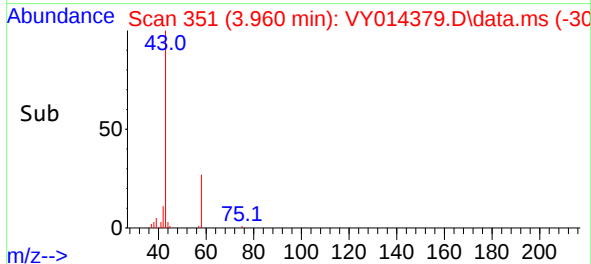
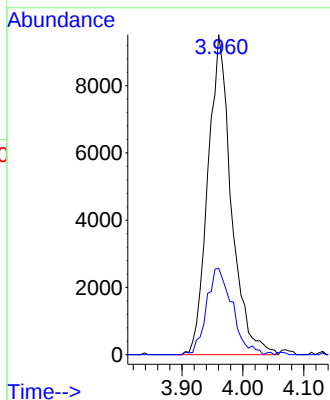
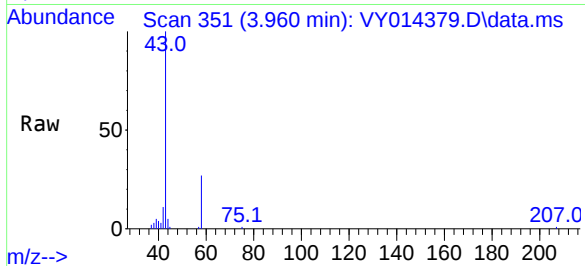




#16
Acetone
Concen: 37.035 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

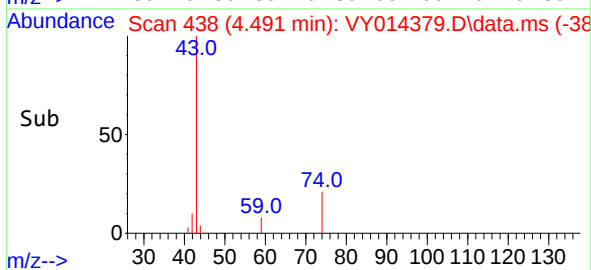
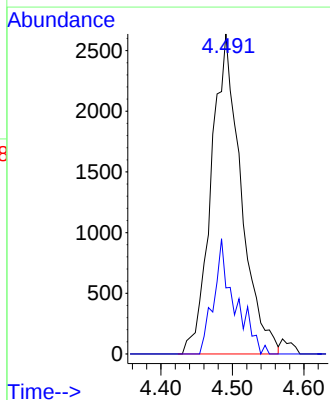
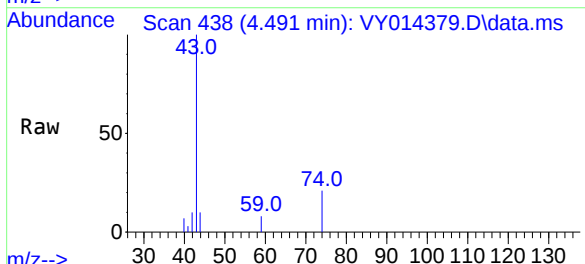
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6RE

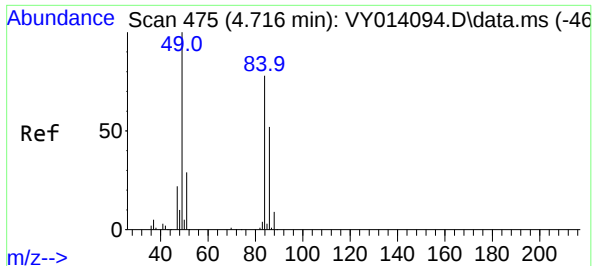
Tgt Ion: 43 Resp: 25391
Ion Ratio Lower Upper
43 100
58 27.0 22.7 34.1



#18
Methyl Acetate
Concen: 2.864 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.013 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

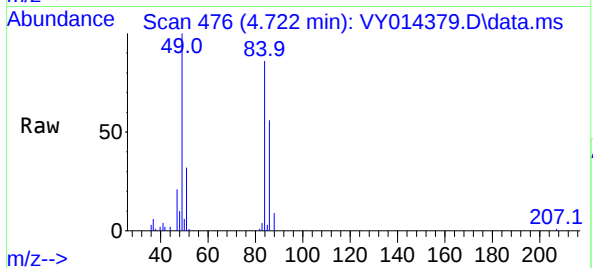
Tgt Ion: 43 Resp: 7622
Ion Ratio Lower Upper
43 100
74 25.2 17.4 26.0





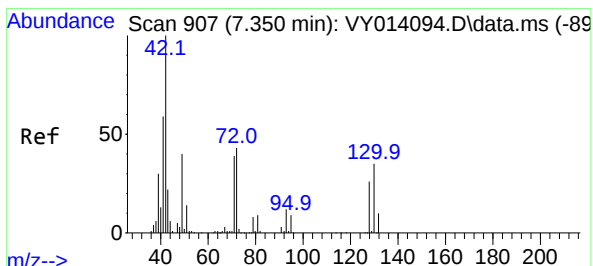
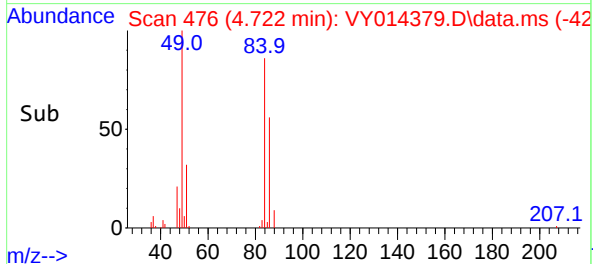
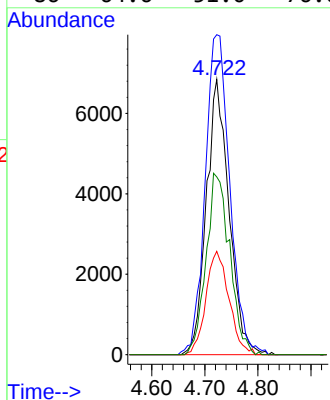
#20
Methylene Chloride
Concen: 6.173 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6RE



Tgt Ion: 84 Resp: 20390

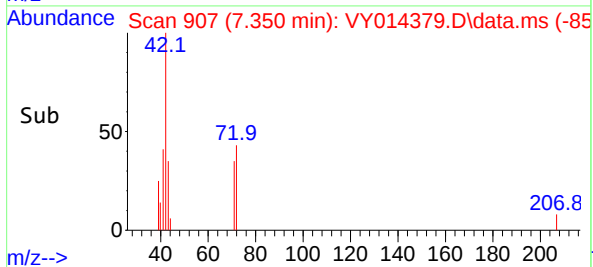
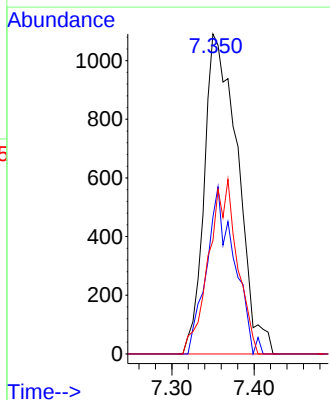
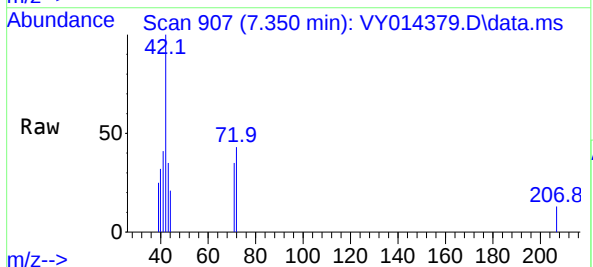
Ion	Ratio	Lower	Upper
84	100		
49	116.3	106.9	160.3
51	37.5	33.2	49.8
86	64.6	51.0	76.6

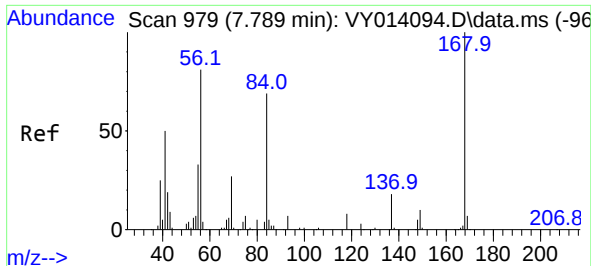


#29
Tetrahydrofuran
Concen: 5.729 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Tgt Ion: 42 Resp: 3066

Ion	Ratio	Lower	Upper
42	100		
72	43.4	32.8	49.2
71	46.6	31.0	46.4

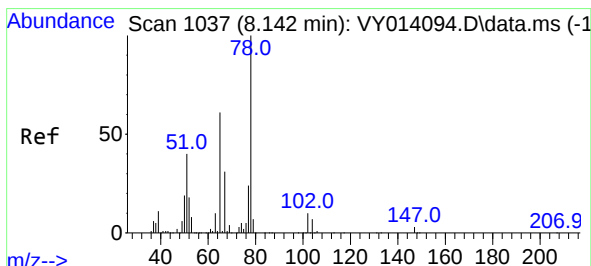
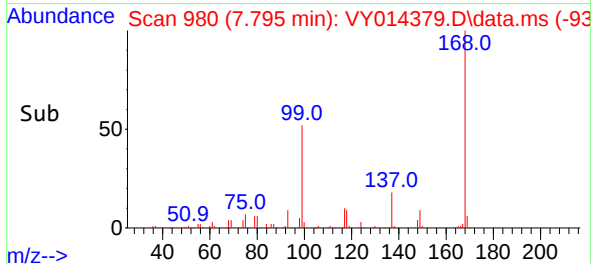
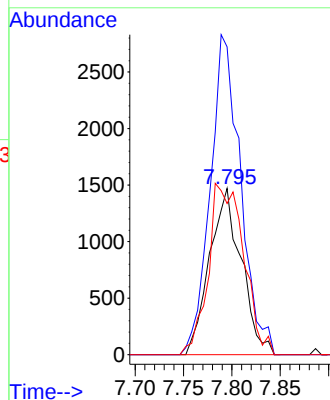
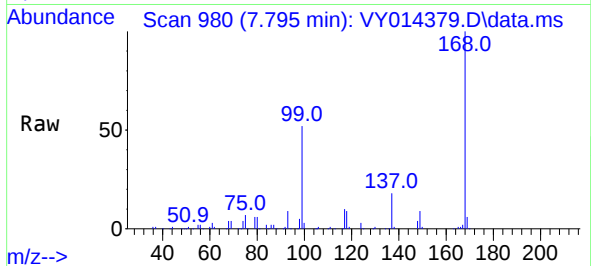




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

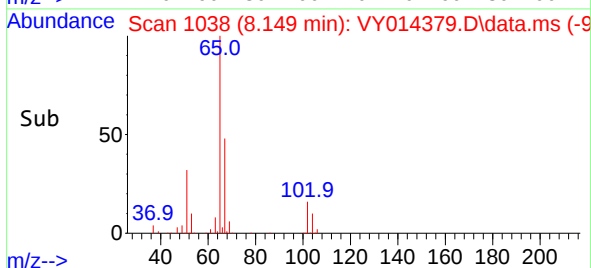
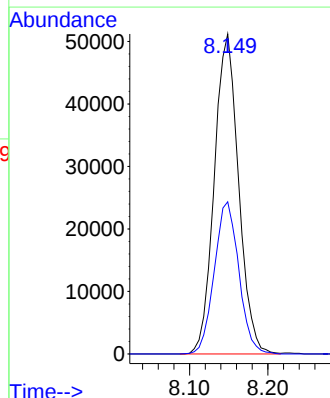
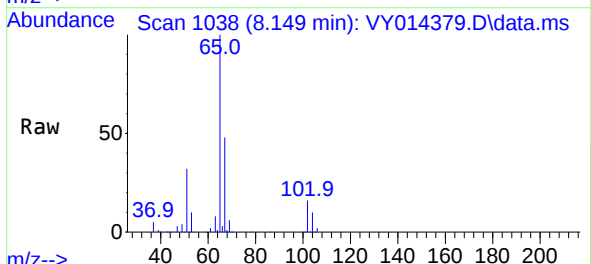
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6RE

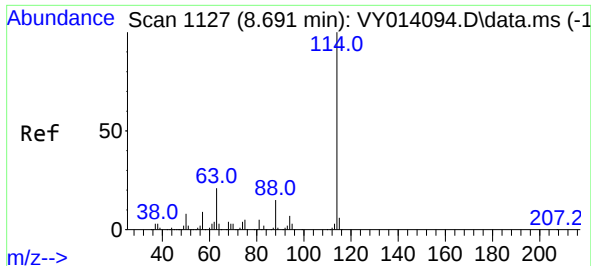
Tgt Ion: 56 Resp: 3353
Ion Ratio Lower Upper
56 100
69 185.2 27.8 41.6#
84 97.2 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 48.552 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Tgt Ion: 65 Resp: 110428
Ion Ratio Lower Upper
65 100
67 48.0 0.0 101.8



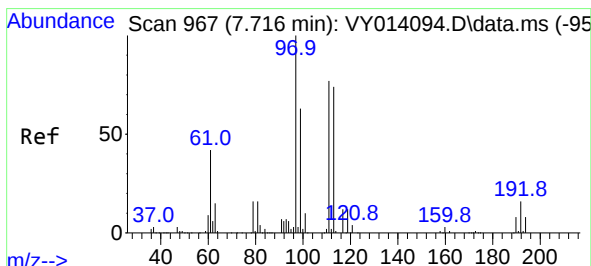
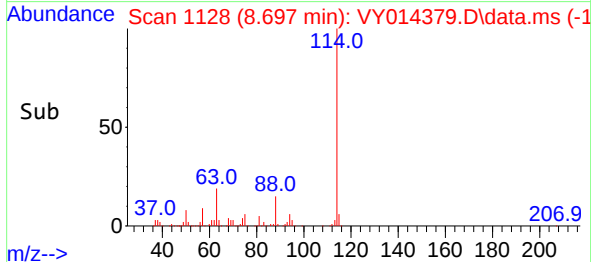
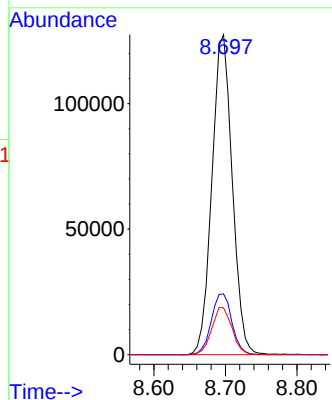
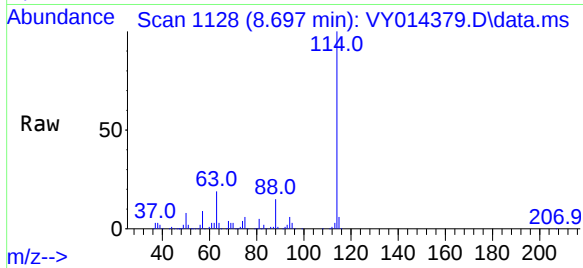


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6RE

Tgt Ion:114 Resp: 251888

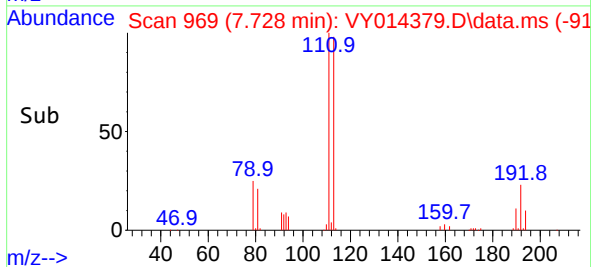
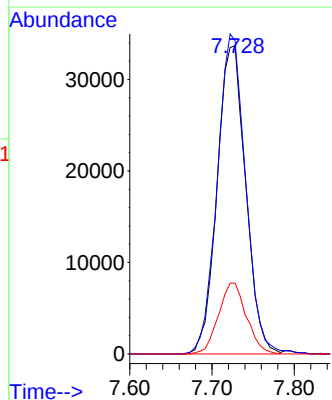
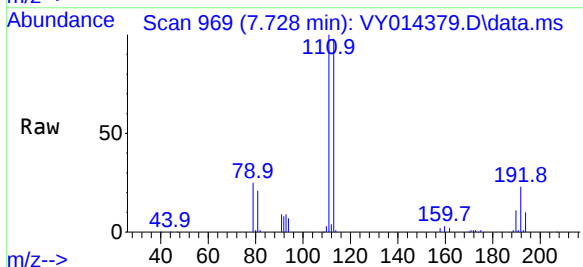
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	42.4
88	14.7	0.0	30.6

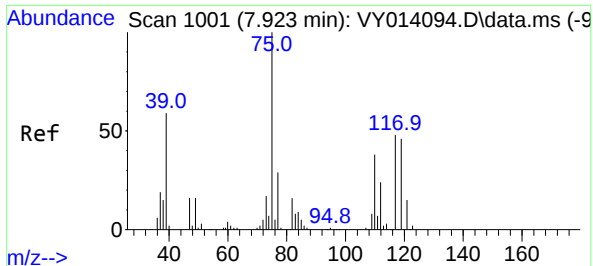


#35
Dibromofluoromethane
Concen: 45.483 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Tgt Ion:113 Resp: 81247

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.3	121.9
192	22.5	16.9	25.3

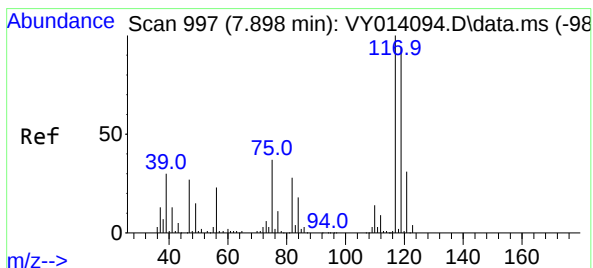
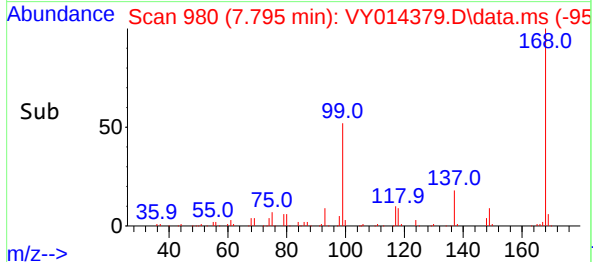
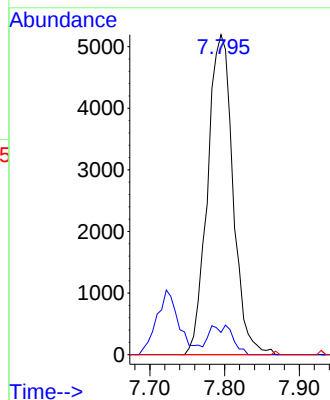
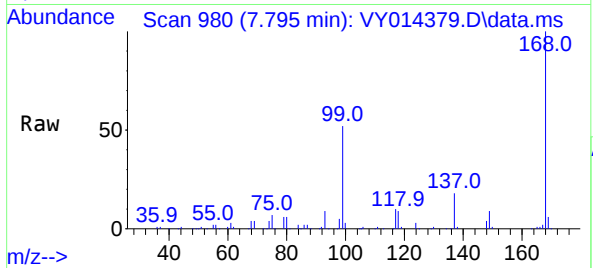




#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

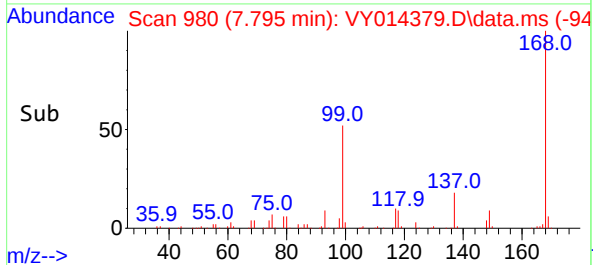
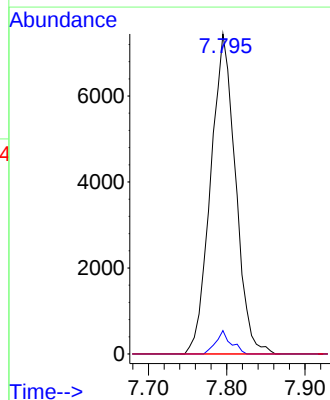
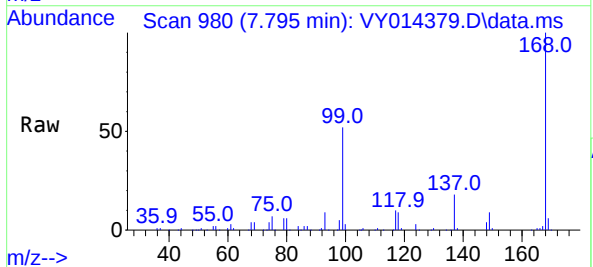
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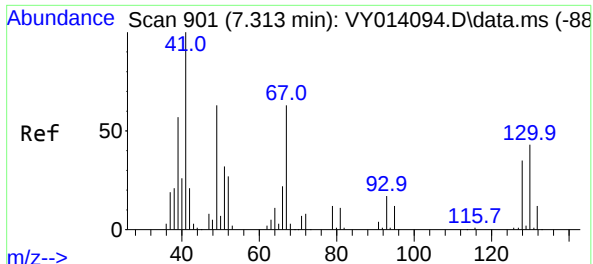
Tgt Ion: 75 Resp: 12303
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.120 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Tgt Ion: 117 Resp: 16455
Ion Ratio Lower Upper
117 100
119 7.3 76.4 114.6#
121 0.0 25.8 38.6#

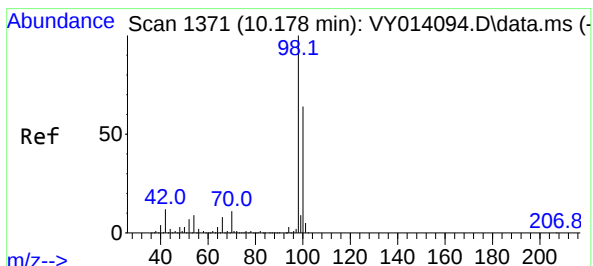
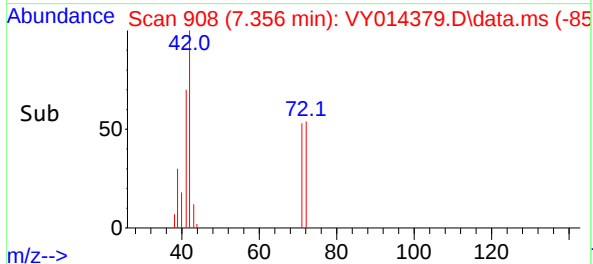
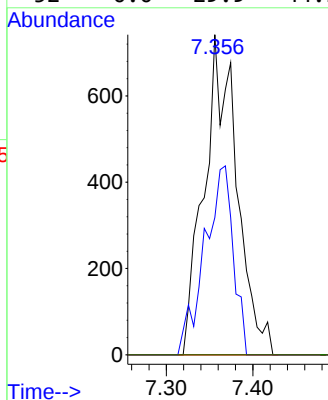
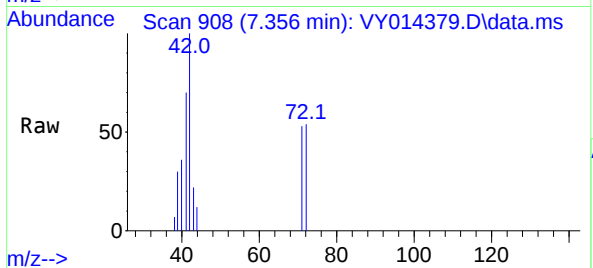




#41
Methacrylonitrile
Concen: 1.989 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.043 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

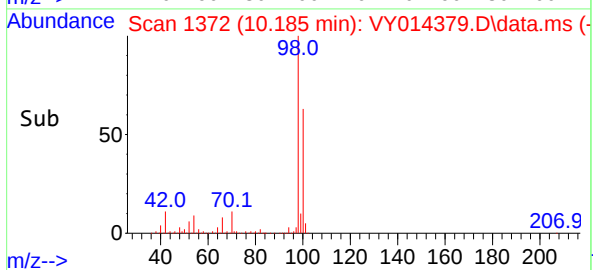
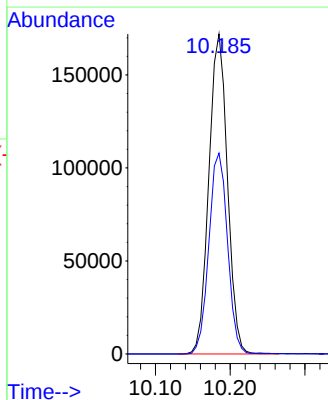
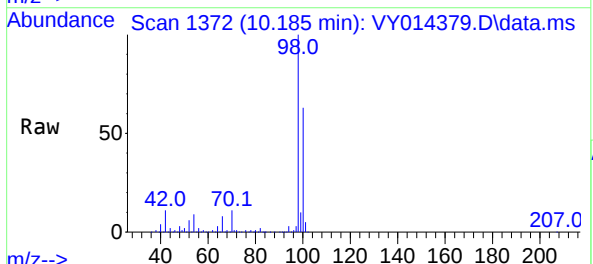
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6RE

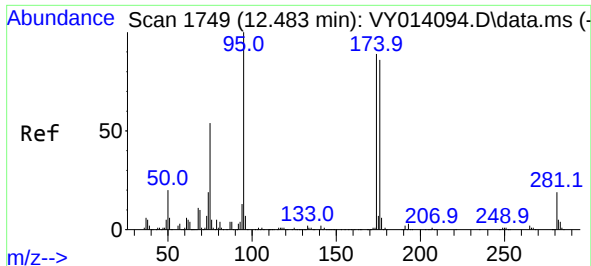
Tgt Ion: 41	Resp: 1951
Ion Ratio	Lower Upper
41 100	
39 51.3	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.442 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Tgt Ion: 98	Resp: 296802
Ion Ratio	Lower Upper
98 100	
100 63.0	50.1 75.1

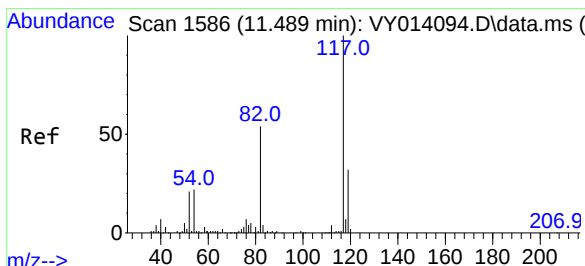
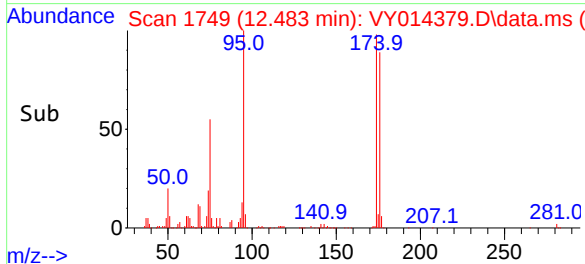
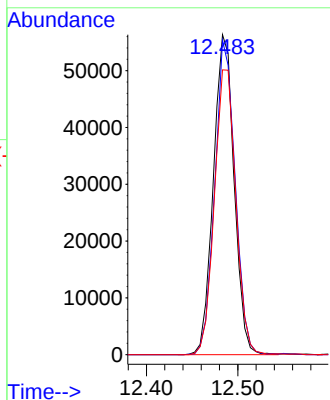
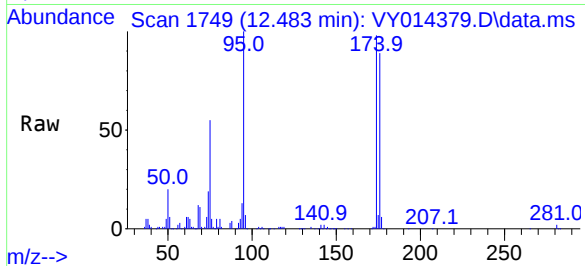




#62
4-Bromofluorobenzene
Concen: 37.383 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

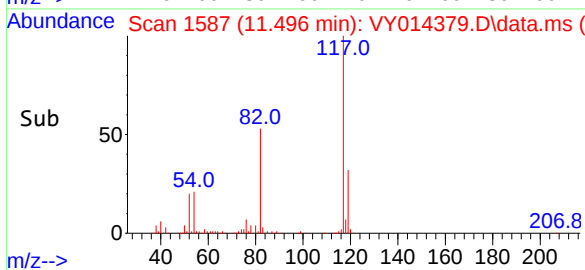
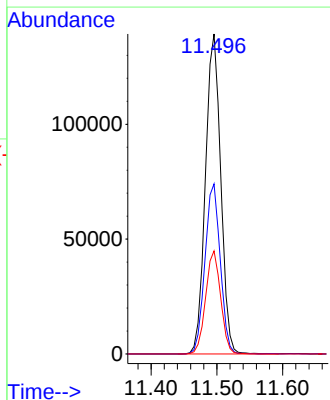
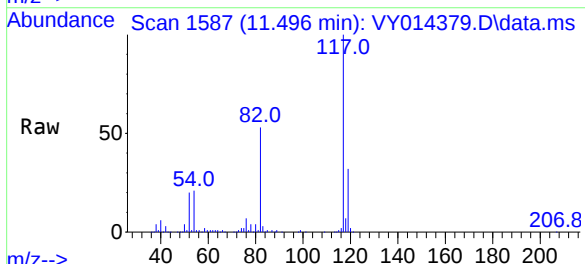
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6RE

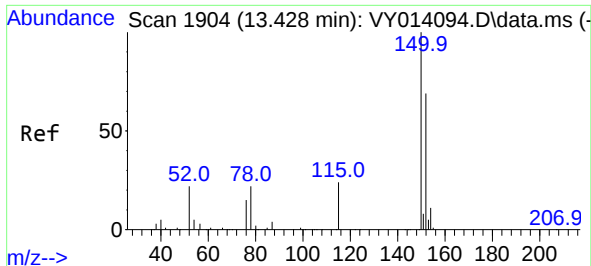
Tgt Ion: 95 Resp: 88685
Ion Ratio Lower Upper
95 100
174 96.8 0.0 178.2
176 92.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

Tgt Ion: 117 Resp: 225979
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.2 26.3 39.5

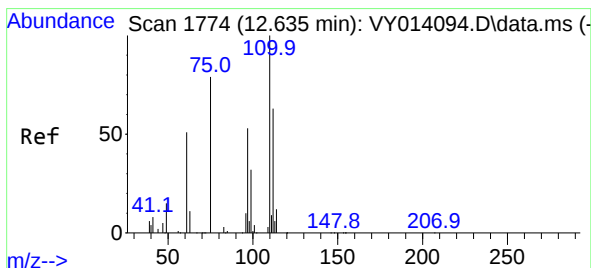
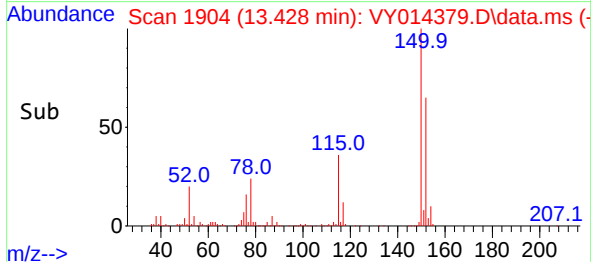
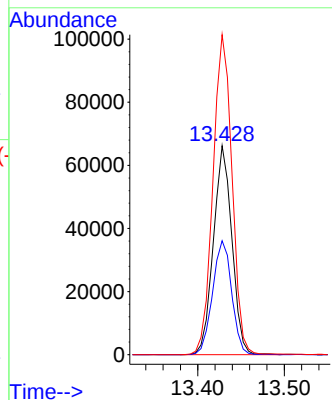
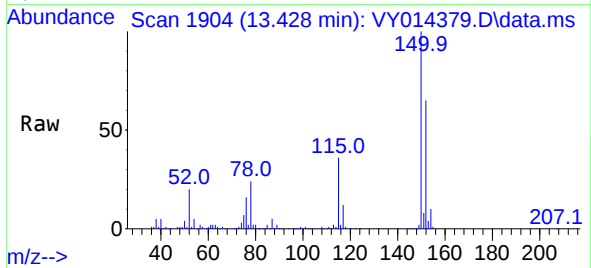




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

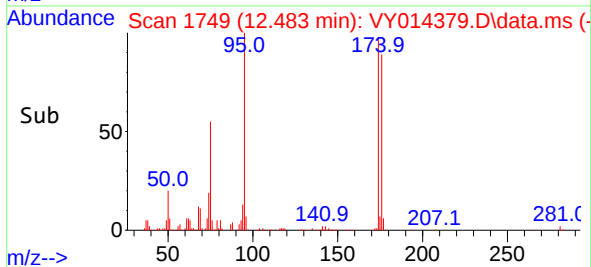
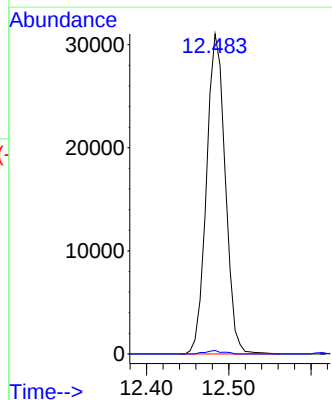
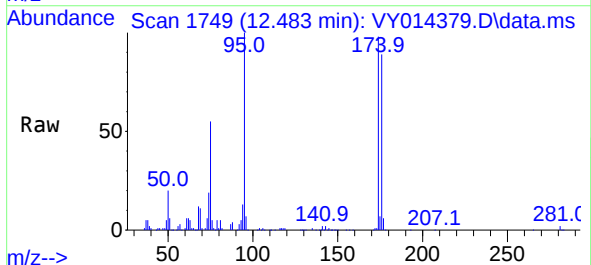
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-07-GRAB-6RE

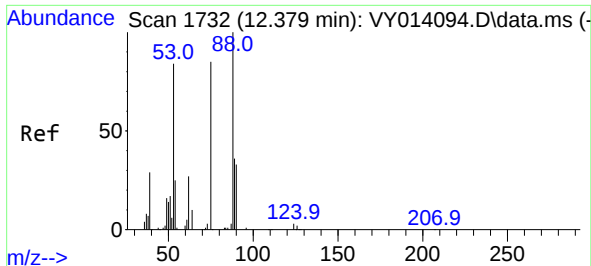
Tgt Ion:152 Resp: 98235
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.5
150 158.1 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.160 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014379.D
Acq: 22 Jun 2023 15:15

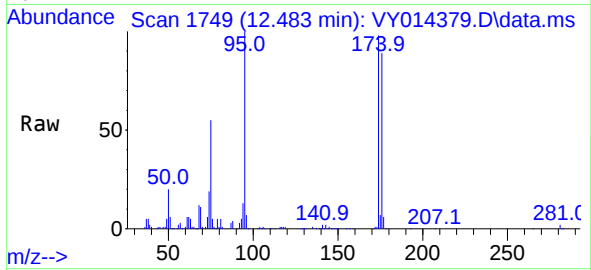
Tgt Ion: 75 Resp: 49182
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.488 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014379.D
 Acq: 22 Jun 2023 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-07-GRAB-6RE



Tgt Ion: 75 Resp: 49182
 Ion Ratio Lower Upper
 75 100
 53 0.1 77.8 116.8#
 89 0.0 37.4 56.0#

