

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014322.D
 Acq On : 21 Jun 2023 07:31
 Operator : KP/MD
 Sample : 03329-18
 Misc : 7.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-0-8-GRAB-7

Quant Time: Jun 21 07:48:42 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)

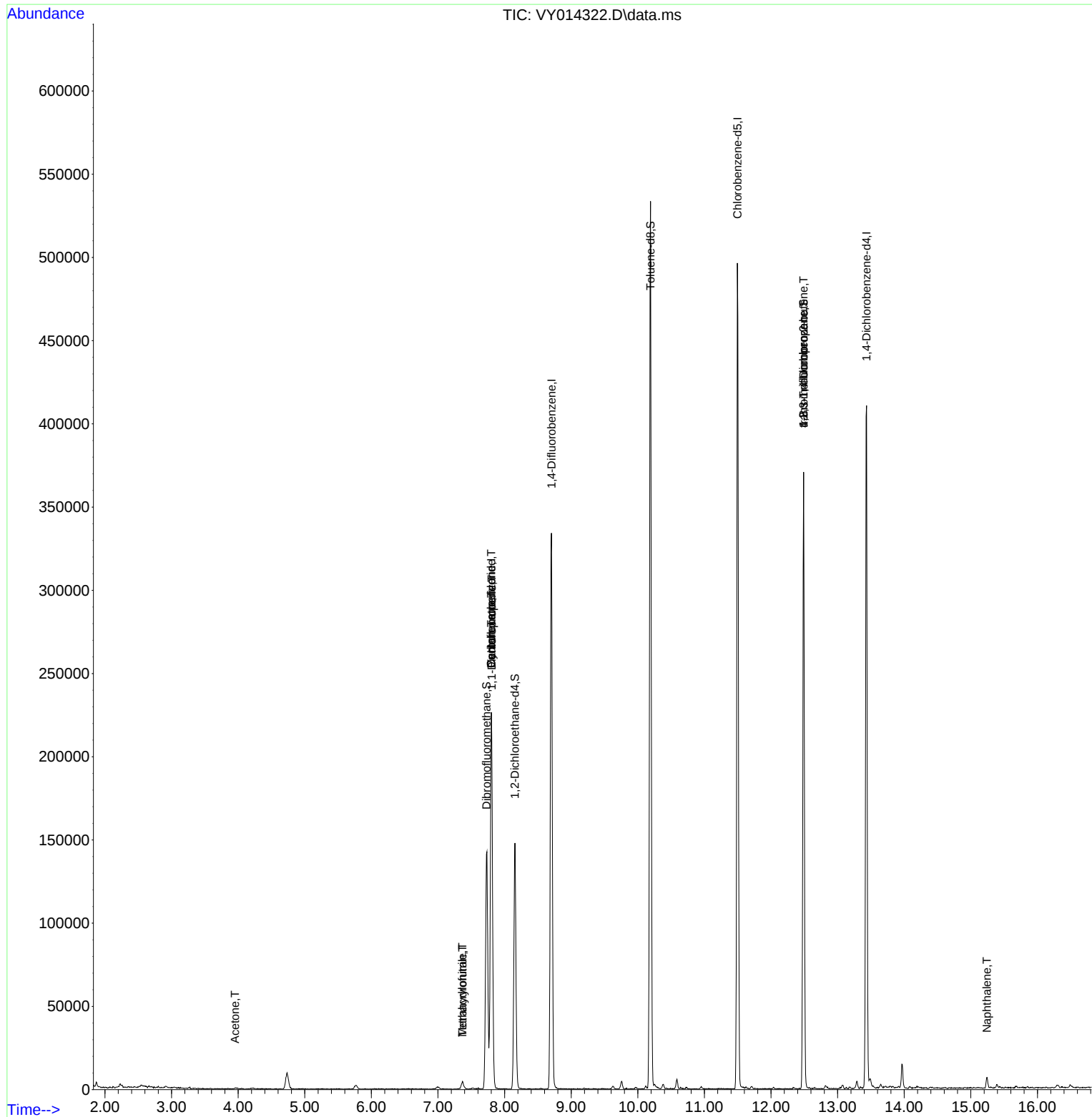
Internal Standards						
1) Pentafluorobenzene	7.801	168	175992	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	283426	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	265721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	110809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	122116	49.829	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.660%
35) Dibromofluoromethane	7.728	113	96487	48.004	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.000%
50) Toluene-d8	10.191	98	347527	46.247	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.500%
62) 4-Bromofluorobenzene	12.489	95	101467	38.011	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	178	Below Cal	#	89
16) Acetone	3.954	43	1102	1.492	ug/l #	58
20) Methylene Chloride	4.735	84	6900	Below Cal	#	87
29) Tetrahydrofuran	7.368	42	3325	5.766	ug/l	93
31) Cyclohexane	7.801	56	4139	1.261	ug/l #	21
36) 1,1-Dichloropropene	7.807	75	13367	4.266	ug/l #	50
38) Carbon Tetrachloride	7.801	117	17552	4.854	ug/l #	14
41) Methacrylonitrile	7.368	41	1962	1.778	ug/l #	46
76) 1,2,3-Trichloropropane	12.489	75	56459	38.836	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	56459	83.948	ug/l #	11
95) Naphthalene	15.239	128	5808	1.186	ug/l	97

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

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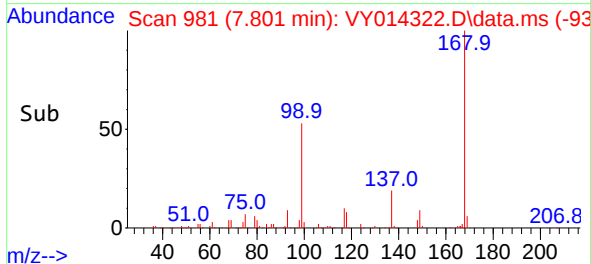
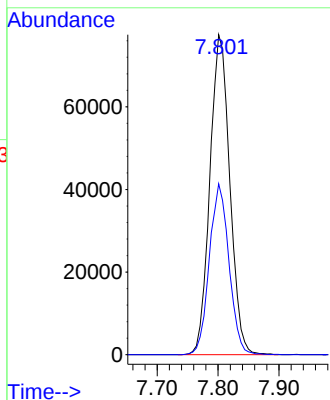
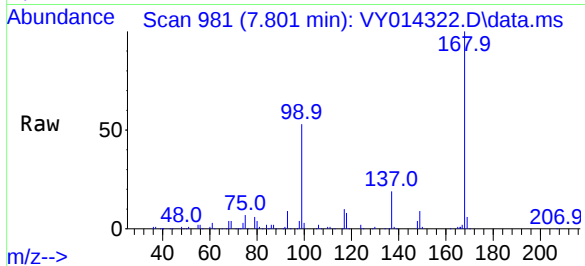




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

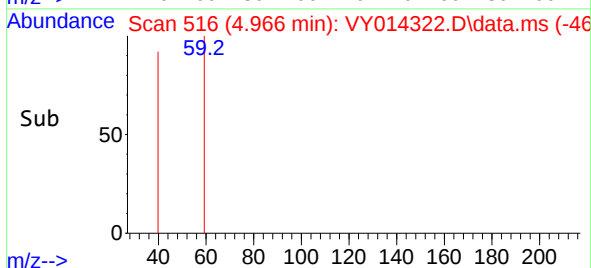
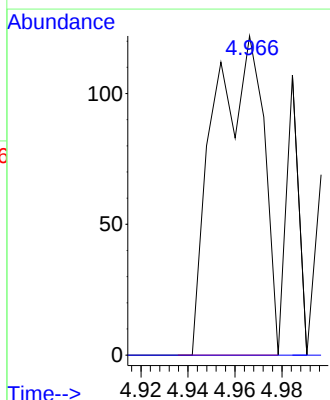
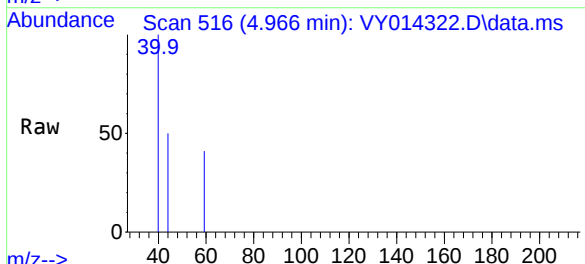
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-7

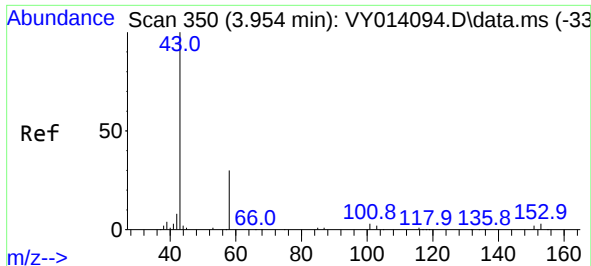
Tgt Ion:168 Resp: 175992
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

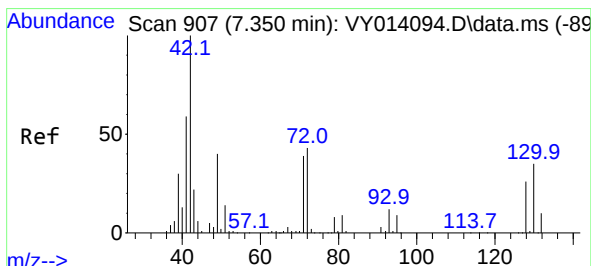
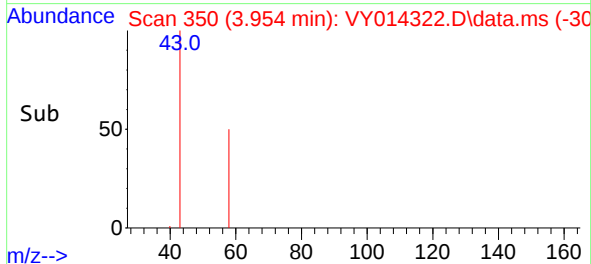
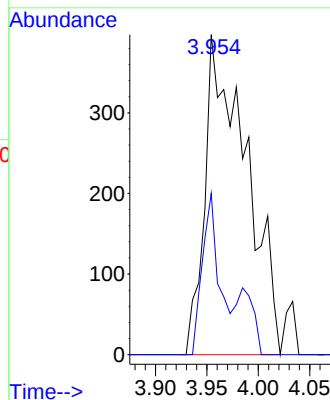
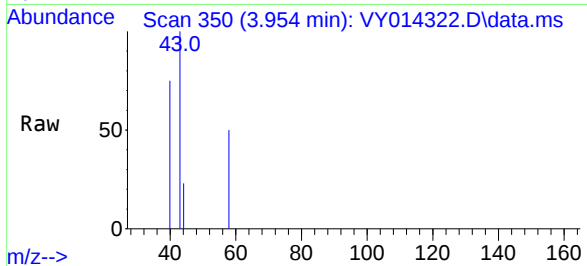




#16
Acetone
Concen: 1.492 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

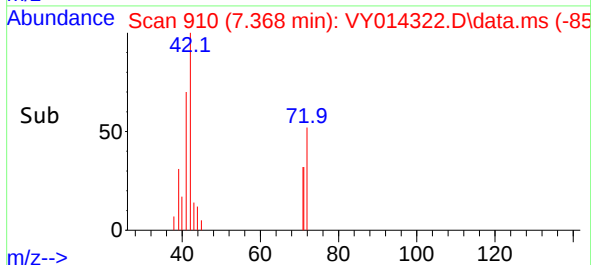
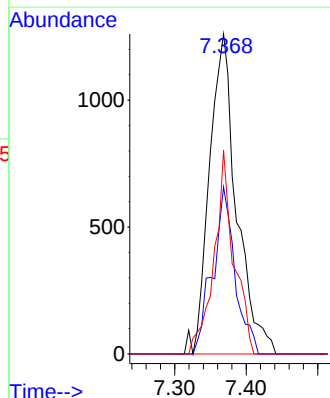
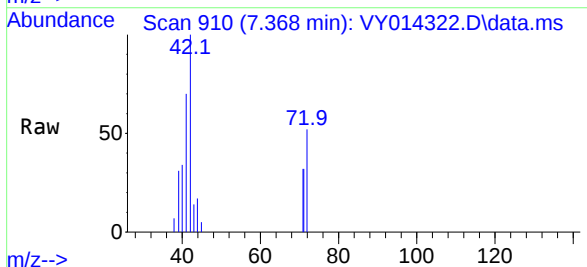
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-7

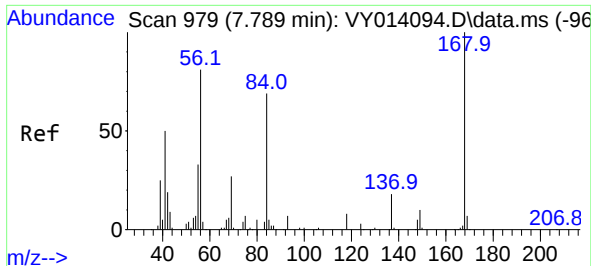
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
58 50.4 22.7 34.1#



#29
Tetrahydrofuran
Concen: 5.766 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion: 42 Resp: 3325
Ion Ratio Lower Upper
42 100
72 42.8 32.8 49.2
71 46.2 31.0 46.4

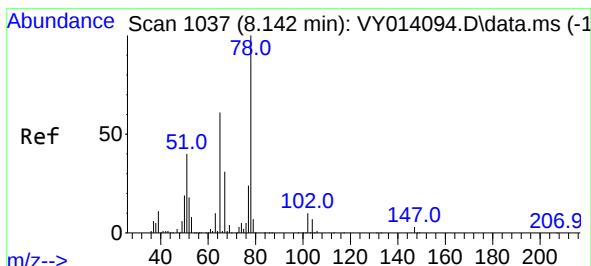
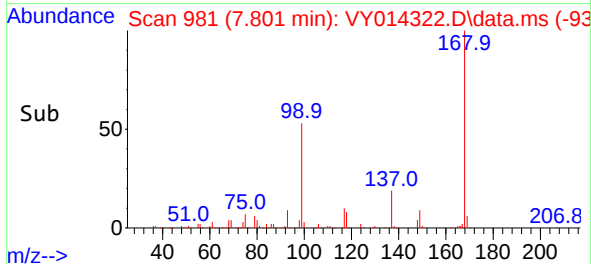
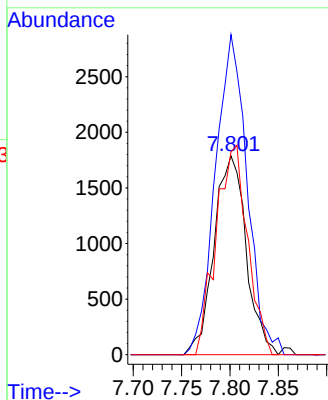
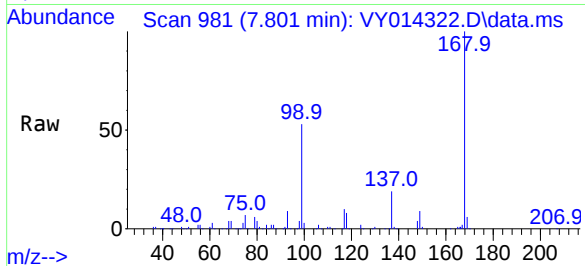




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

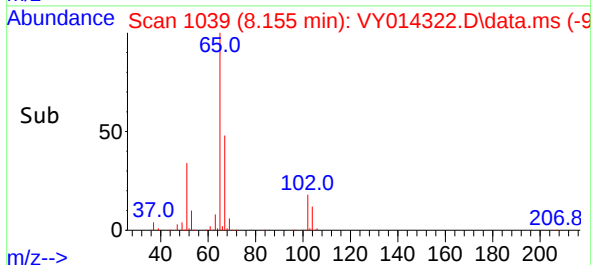
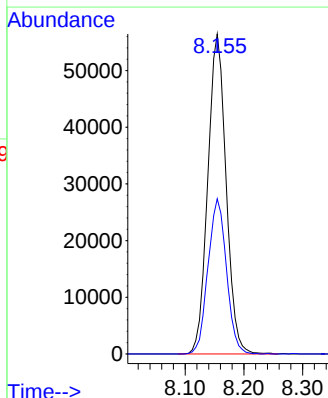
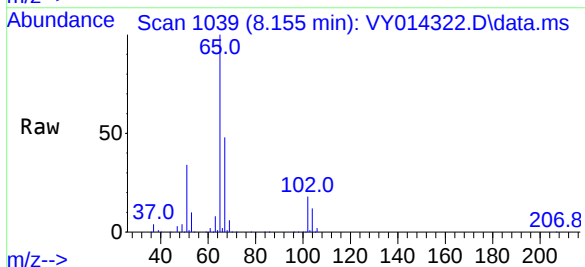
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-7

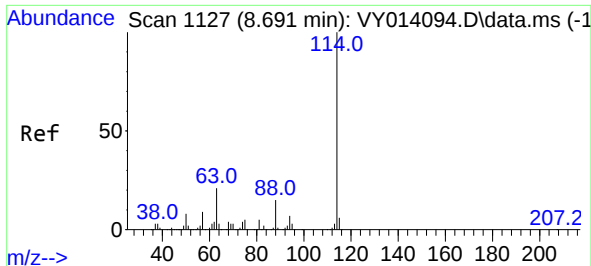
Tgt Ion: 56 Resp: 4139
Ion Ratio Lower Upper
56 100
69 161.0 27.8 41.6#
84 102.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.829 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion: 65 Resp: 122116
Ion Ratio Lower Upper
65 100
67 48.9 0.0 101.8

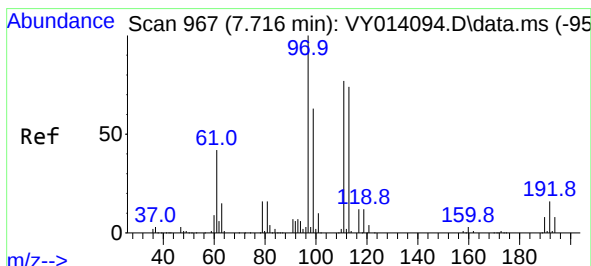
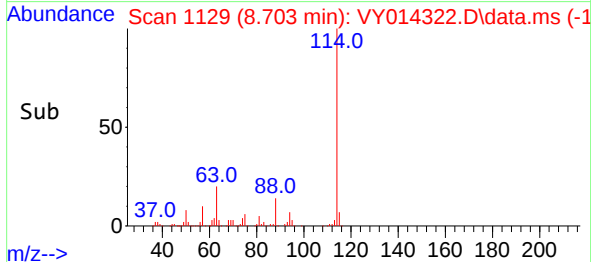
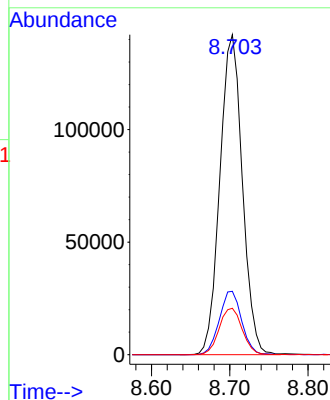
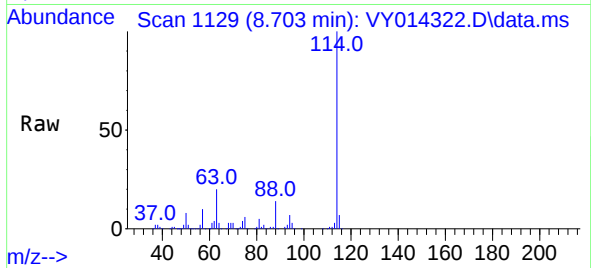




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

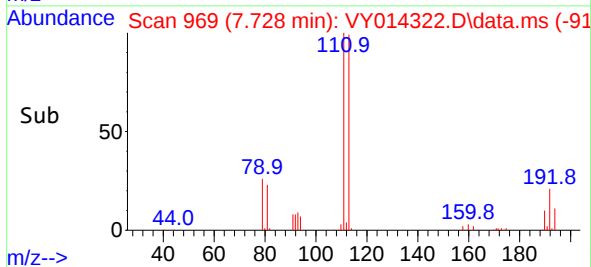
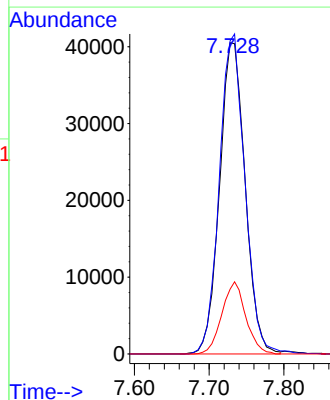
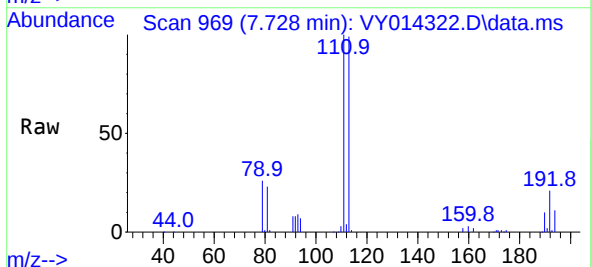
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-7

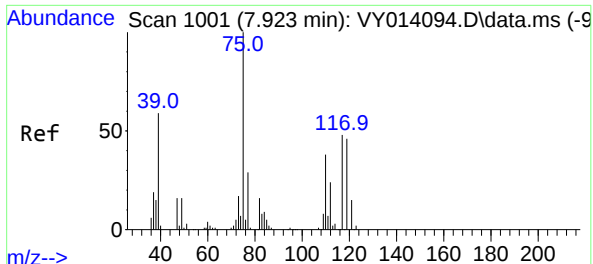
Tgt Ion:114 Resp: 283426
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.004 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion:113 Resp: 96487
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 21.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 7.807 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY014322.D

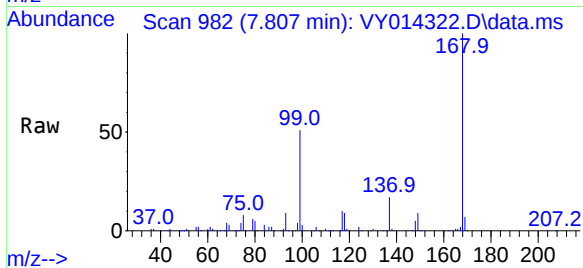
Acq: 21 Jun 2023 07:31

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW01-0-8-GRAB-7



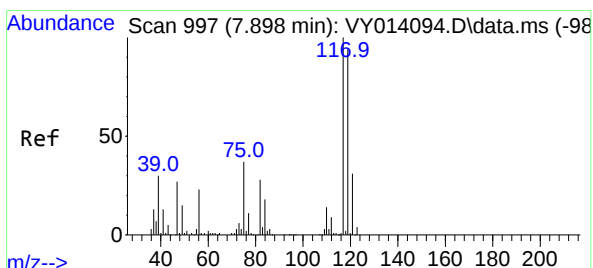
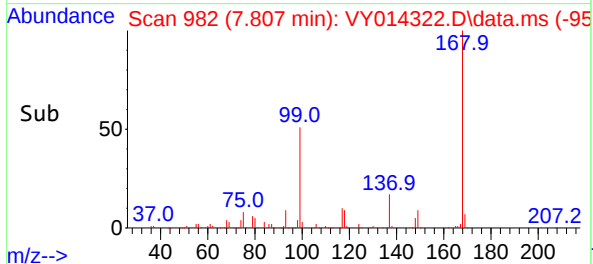
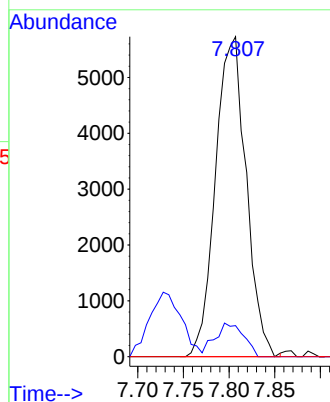
Tgt Ion: 75 Resp: 13367

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.854 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.097 min

Lab File: VY014322.D

Acq: 21 Jun 2023 07:31

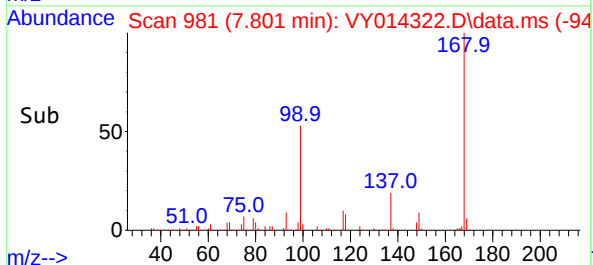
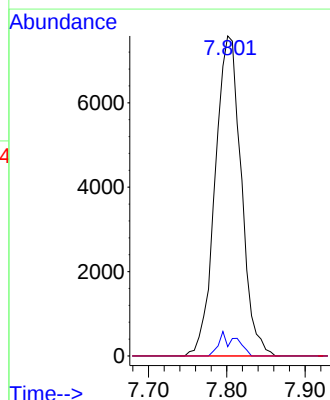
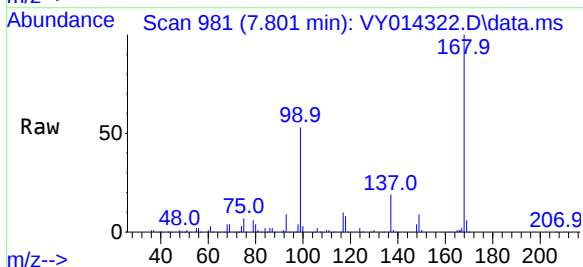
Tgt Ion: 117 Resp: 17552

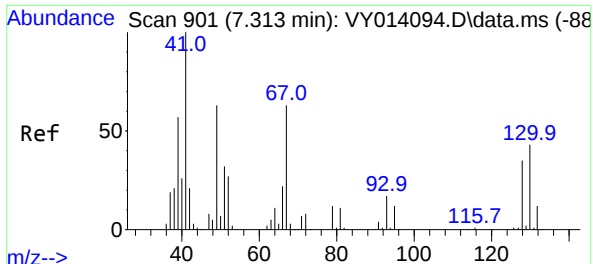
Ion Ratio Lower Upper

117 100

119 2.9 76.4 114.6#

121 0.0 25.8 38.6#

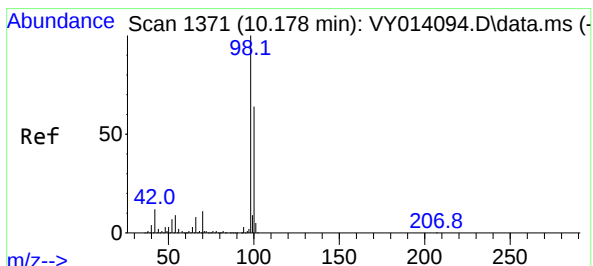
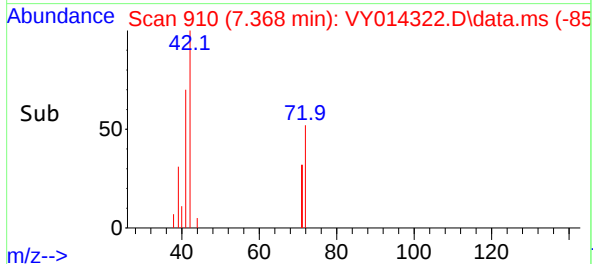
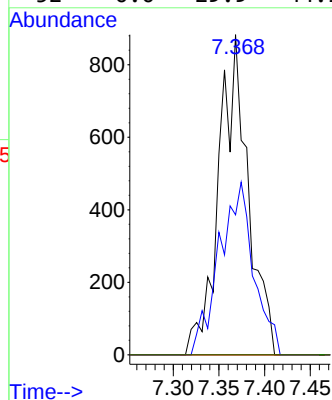
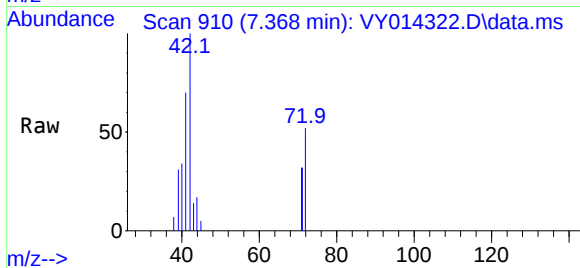




#41
Methacrylonitrile
Concen: 1.778 ug/l
RT: 7.368 min Scan# 91
Delta R.T. 0.055 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

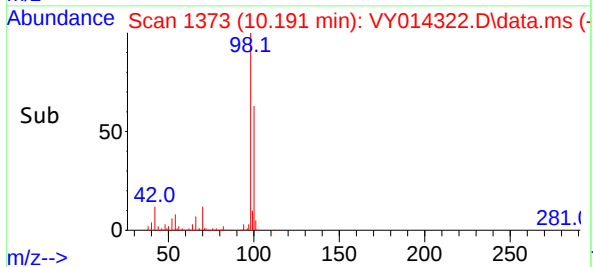
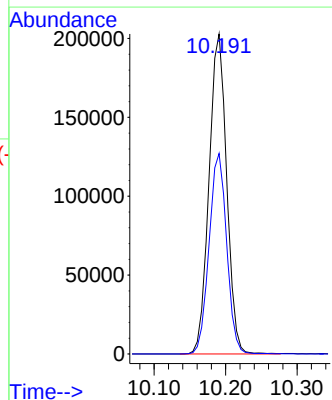
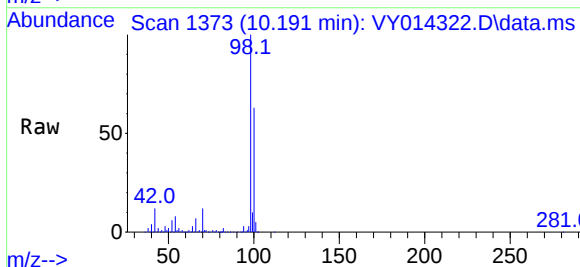
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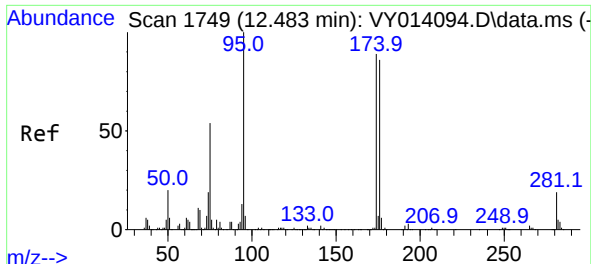
Tgt Ion: 41	Resp:	1962	
Ion	Ratio	Lower	Upper
41	100		
39	63.6	52.1	78.1
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 46.247 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion: 98	Resp: 347527
Ion Ratio	Lower Upper
98 100	
100 62.6	50.1 75.1



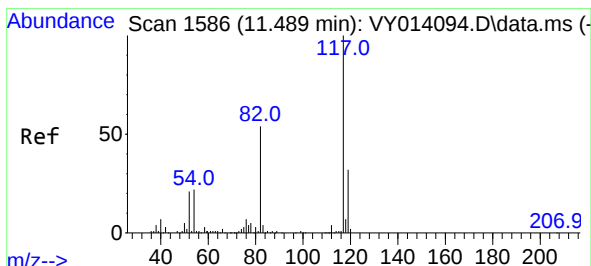
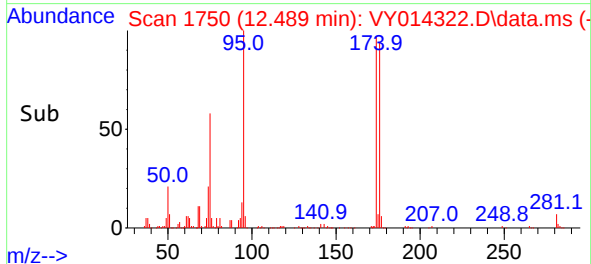
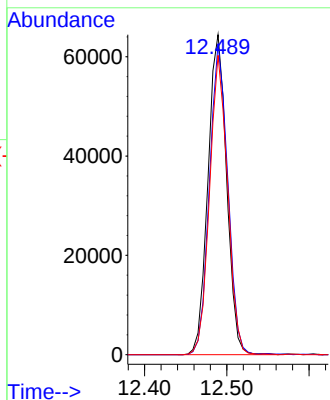
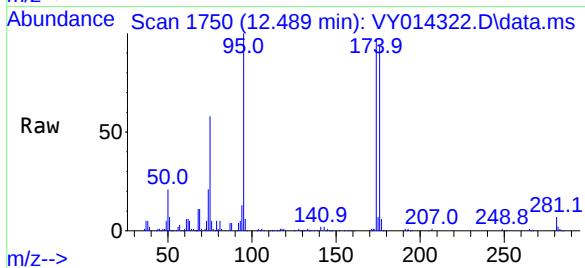


#62
4-Bromofluorobenzene
Concen: 38.011 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-7

Tgt Ion: 95 Resp: 101467

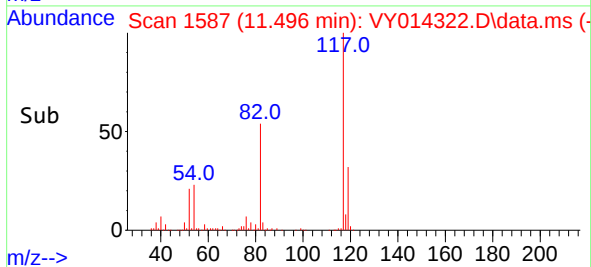
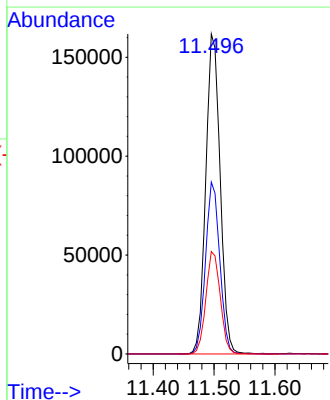
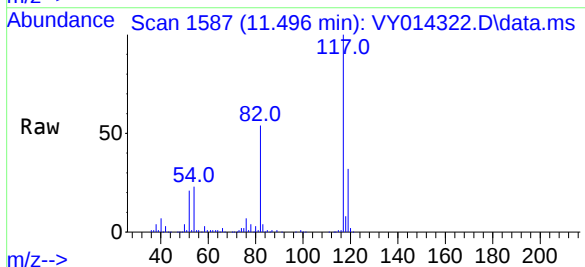
Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	178.2
176	90.4	0.0	173.8

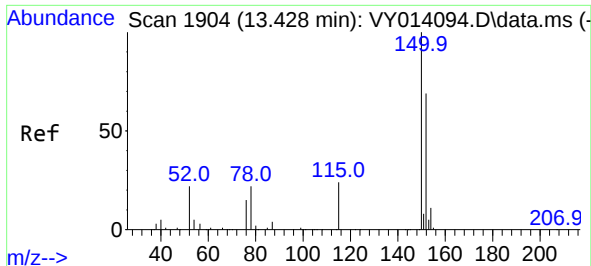


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion: 117 Resp: 265721

Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.4	65.0
119	32.0	26.3	39.5

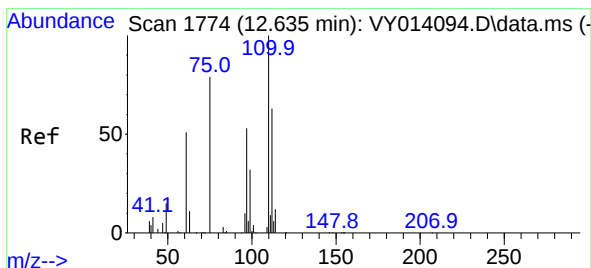
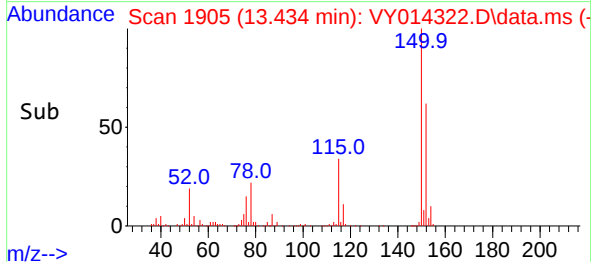
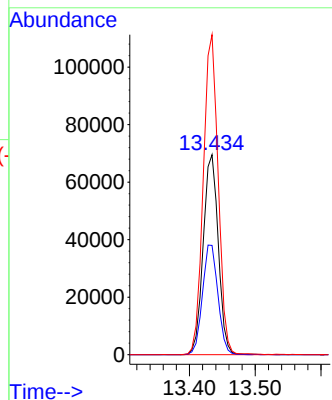
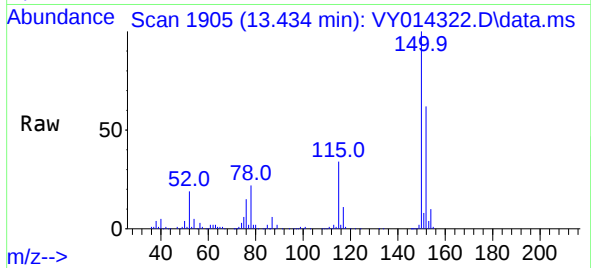




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

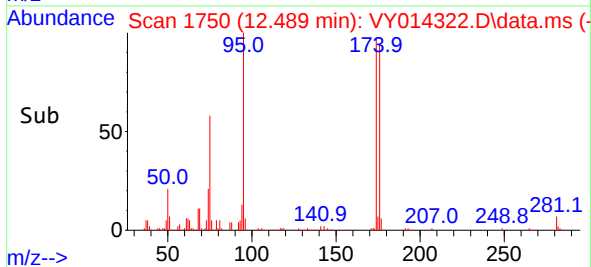
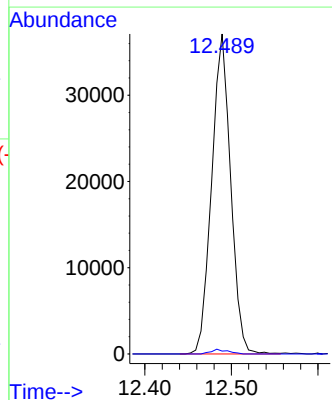
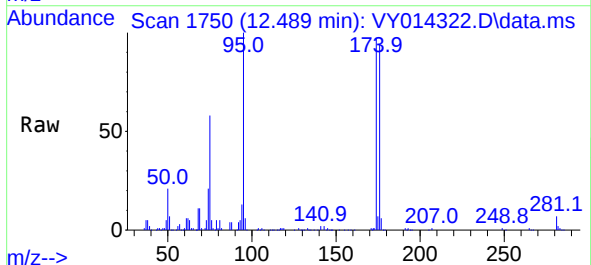
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-7

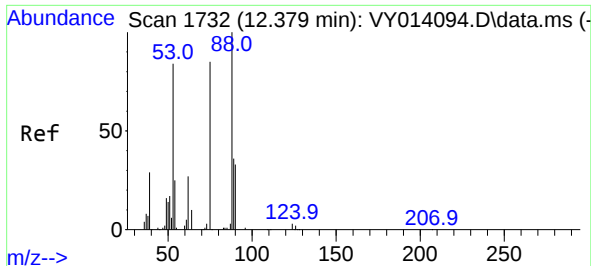
Tgt Ion:152 Resp: 110809
Ion Ratio Lower Upper
152 100
115 56.3 28.8 86.5
150 158.3 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.836 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion: 75 Resp: 56459
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

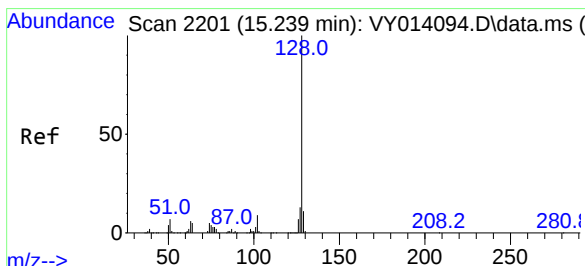
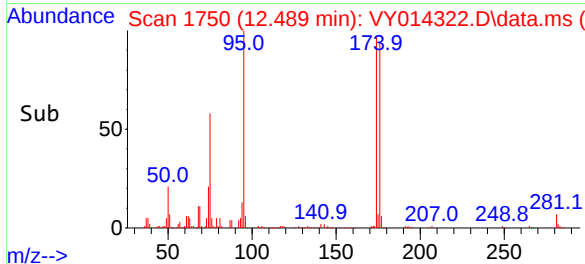
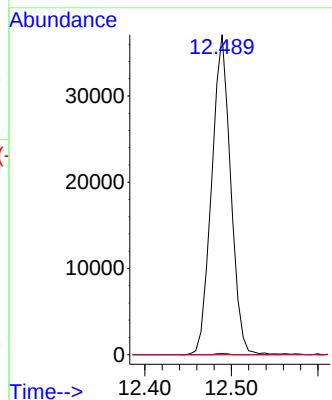
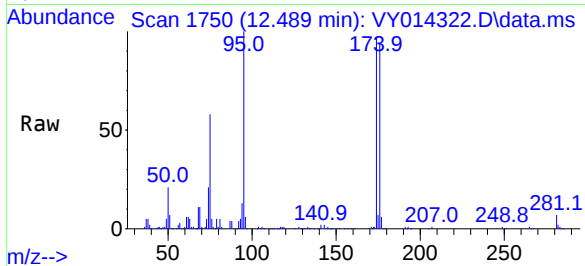




#81
trans-1,4-Dichloro-2-butene
Concen: 83.948 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-7

Tgt Ion: 75 Resp: 56459
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 1.186 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY014322.D
Acq: 21 Jun 2023 07:31

Tgt Ion: 128 Resp: 5808
Ion Ratio Lower Upper
128 100
127 13.9 10.8 16.2
129 12.5 8.6 13.0

