

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014313.D
 Acq On : 21 Jun 2023 04:00
 Operator : KP/MD
 Sample : 03328-17
 Misc : 8.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW02-0-8-GRAB-6

Quant Time: Jun 21 05:10:03 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)

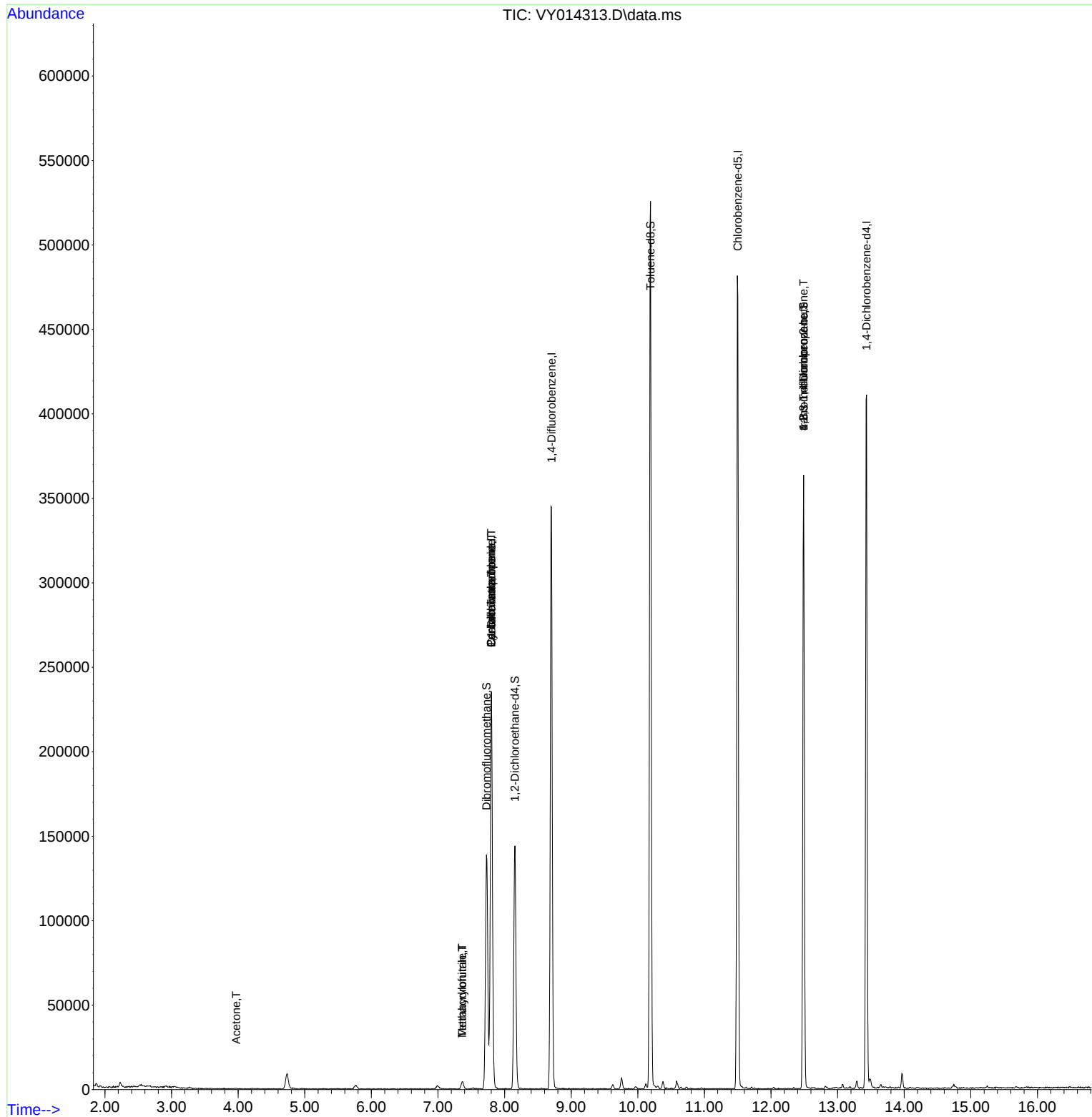
Internal Standards						
1) Pentafluorobenzene	7.801	168	180446	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	288985	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	265089	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	109097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	123802	49.270	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.540%
35) Dibromofluoromethane	7.728	113	97536	47.592	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.180%
50) Toluene-d8	10.191	98	350494	45.745	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.480%
62) 4-Bromofluorobenzene	12.489	95	102754	37.753	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	546	Below Cal	#	89
16) Acetone	3.973	43	759	1.002	ug/l #	46
20) Methylene Chloride	4.735	84	6461	Below Cal		92
29) Tetrahydrofuran	7.362	42	3293	5.570	ug/l	94
31) Cyclohexane	7.801	56	4057	1.205	ug/l #	14
36) 1,1-Dichloropropene	7.801	75	12858	4.024	ug/l #	52
38) Carbon Tetrachloride	7.801	117	17490	4.744	ug/l #	16
41) Methacrylonitrile	7.362	41	1858	1.651	ug/l #	44
76) 1,2,3-Trichloropropane	12.489	75	55150	38.531	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	55150	83.288	ug/l #	11

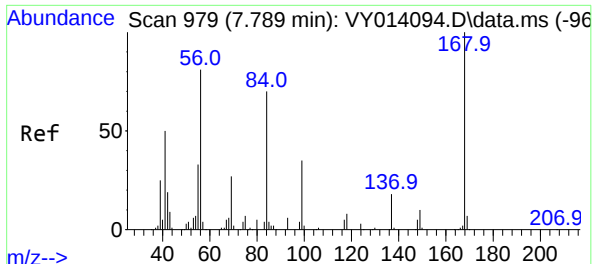
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
Data File : VY014313.D
Acq On : 21 Jun 2023 04:00
Operator : KP/MD
Sample : 03328-17
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

Quant Time: Jun 21 05:10:03 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

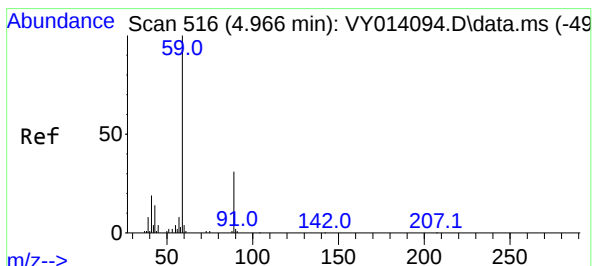
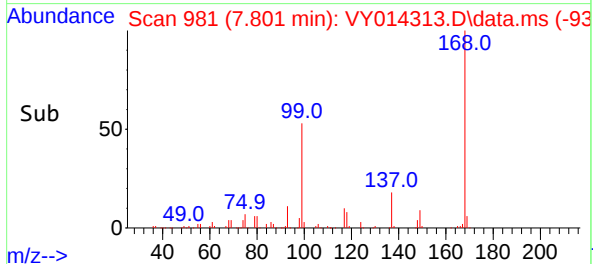
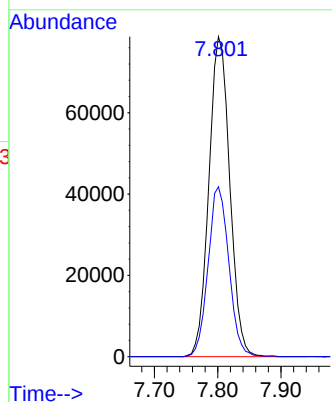
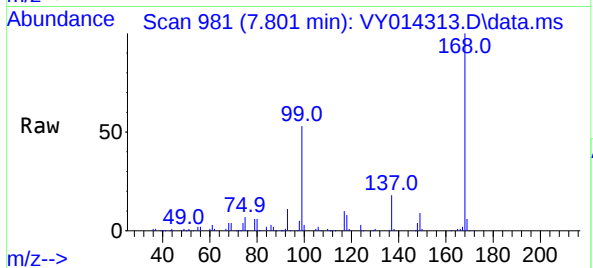




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

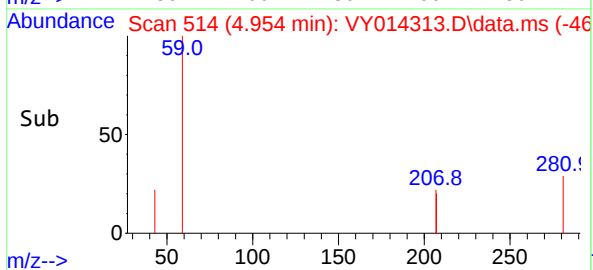
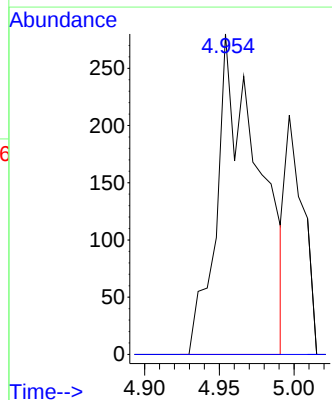
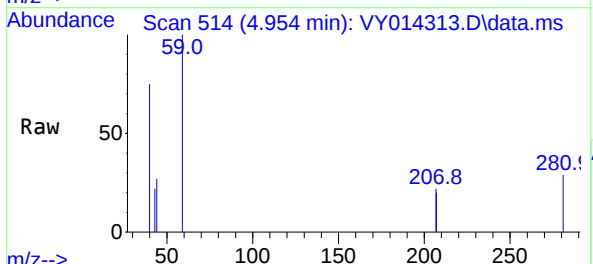
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

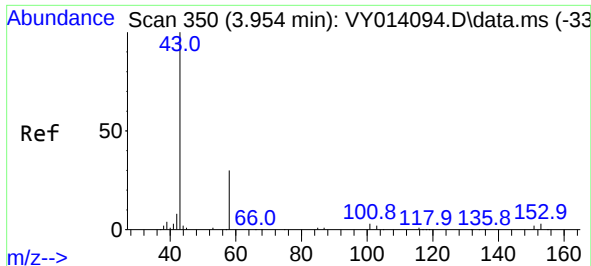
Tgt Ion:168 Resp: 180446
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion: 59 Resp: 546
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

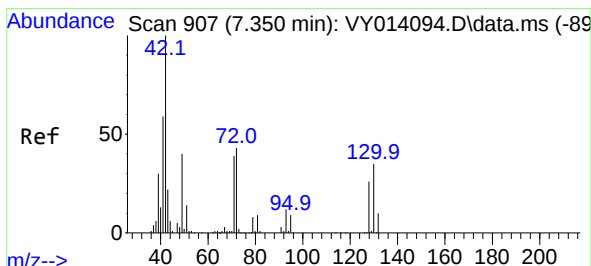
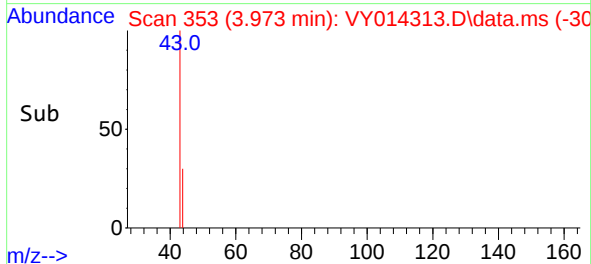
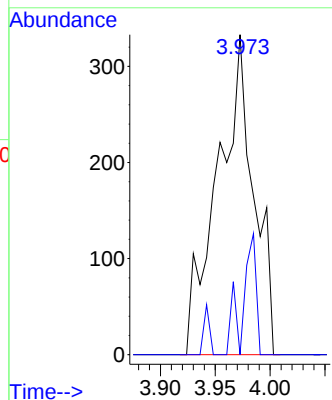
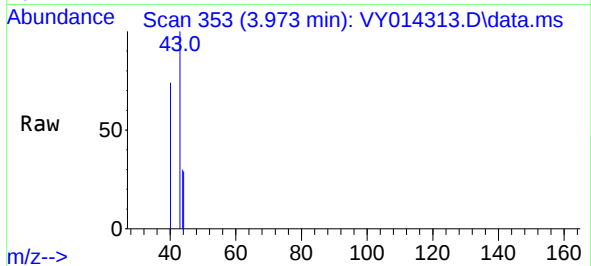




#16
Acetone
Concen: 1.002 ug/l
RT: 3.973 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

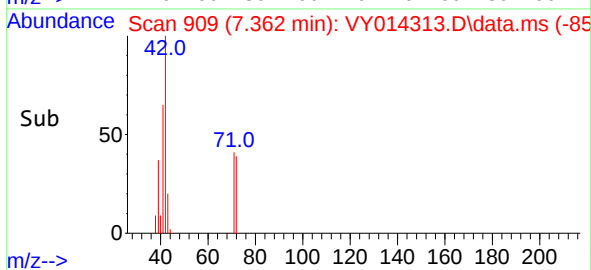
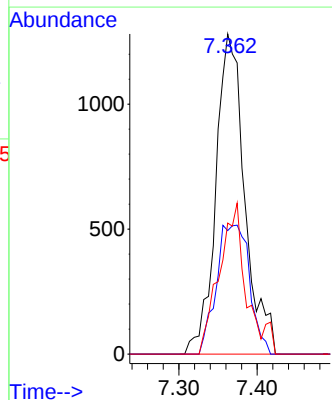
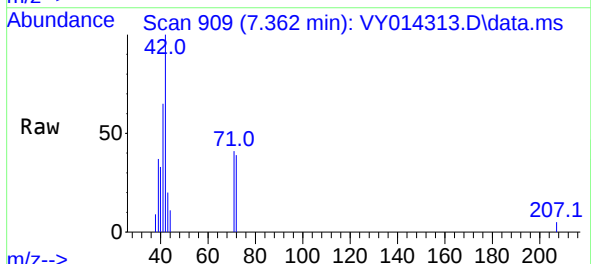
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

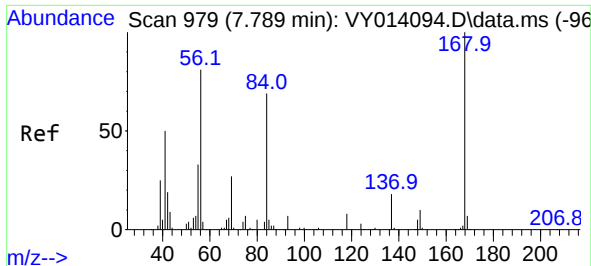
Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#29
Tetrahydrofuran
Concen: 5.570 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion: 42 Resp: 3293
Ion Ratio Lower Upper
42 100
72 46.1 32.8 49.2
71 41.5 31.0 46.4

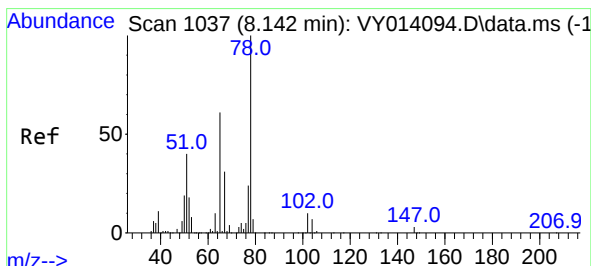
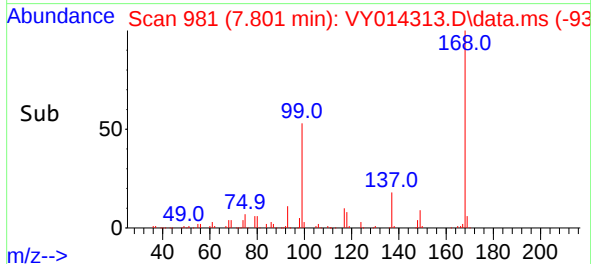
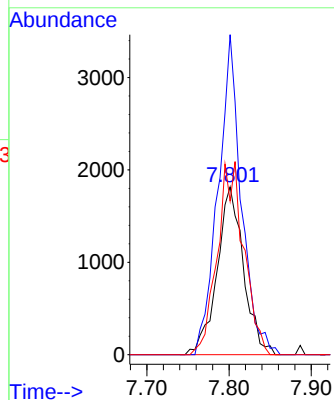
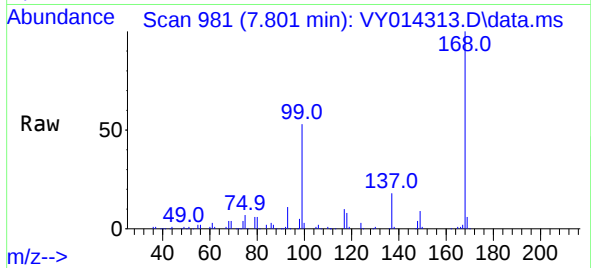




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

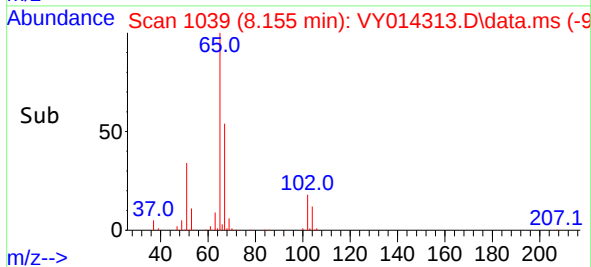
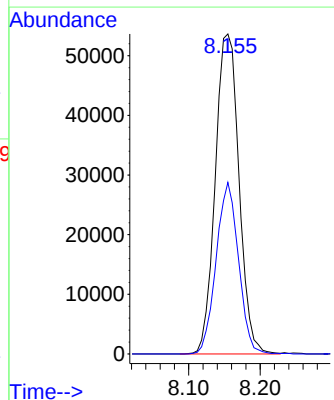
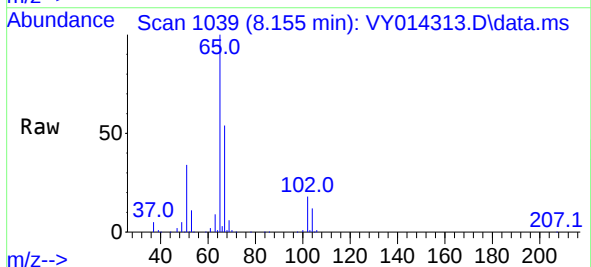
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

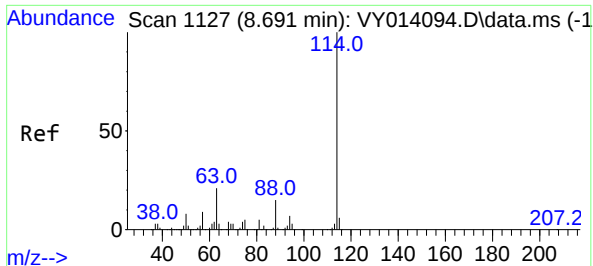
Tgt Ion: 56 Resp: 4057
Ion Ratio Lower Upper
56 100
69 190.6 27.8 41.6#
84 91.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 49.270 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion: 65 Resp: 123802
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY014313.D

Acq: 21 Jun 2023 04:00

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW02-0-8-GRAB-6

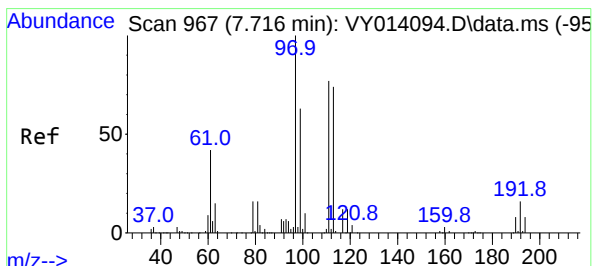
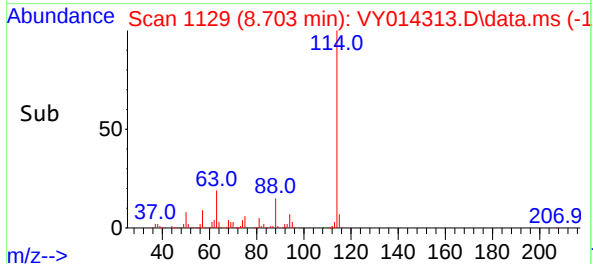
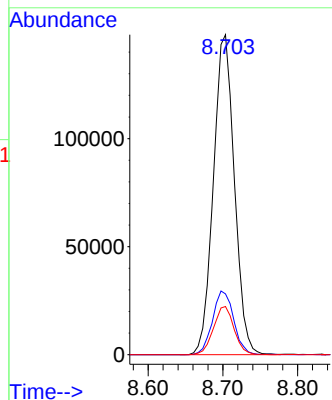
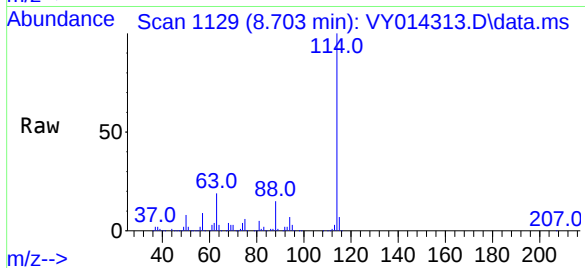
Tgt Ion:114 Resp: 288985

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.592 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY014313.D

Acq: 21 Jun 2023 04:00

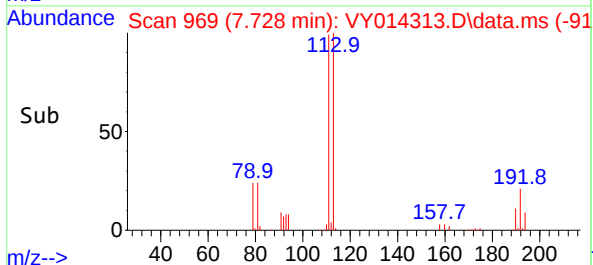
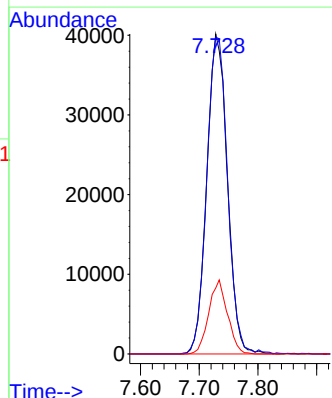
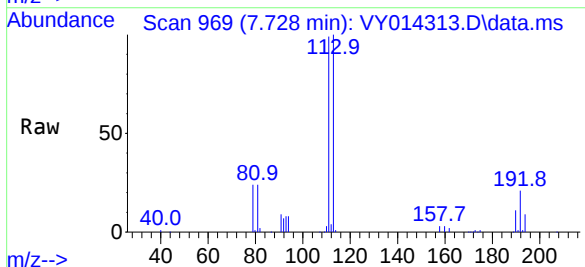
Tgt Ion:113 Resp: 97536

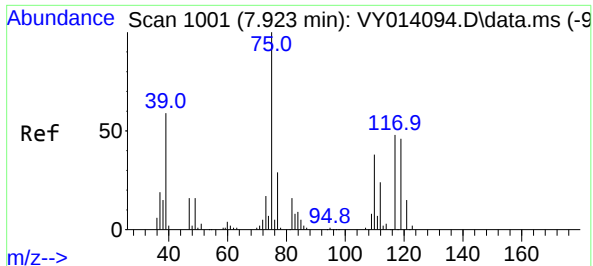
Ion Ratio Lower Upper

113 100

111 100.5 81.3 121.9

192 21.2 16.9 25.3

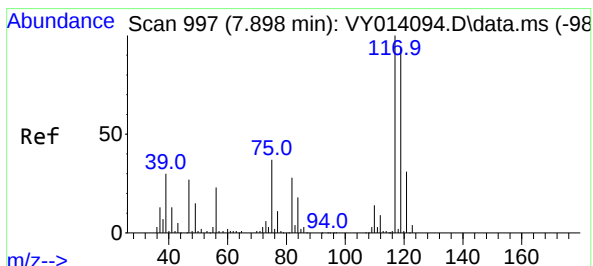
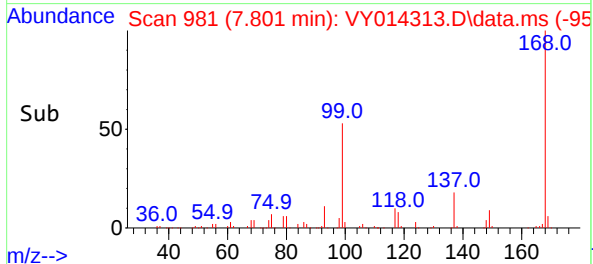
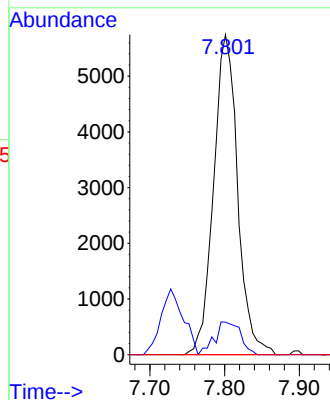
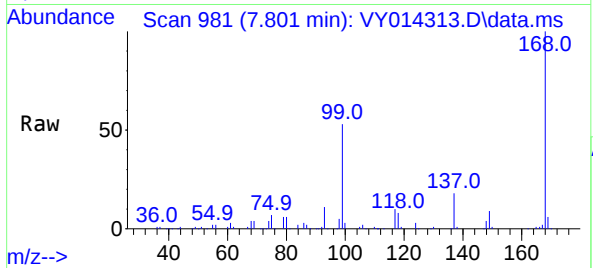




#36
1,1-Dichloropropene
Concen: 4.024 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

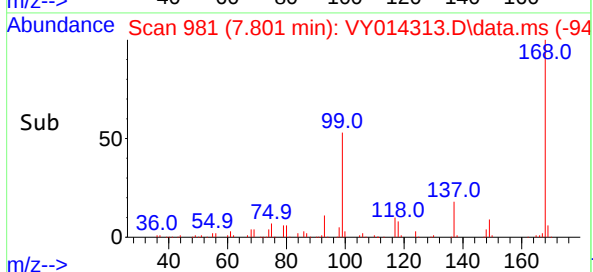
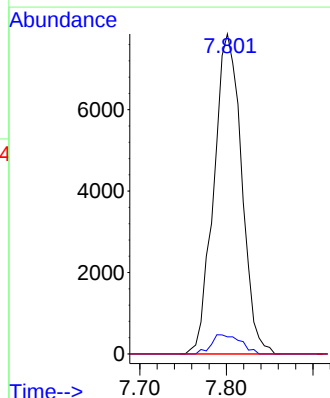
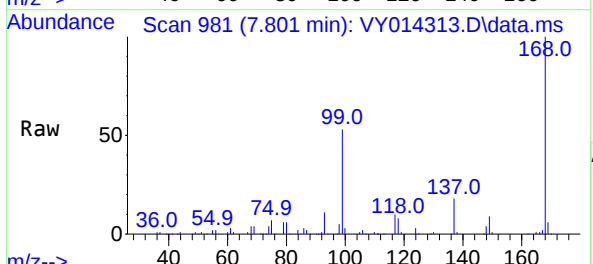
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

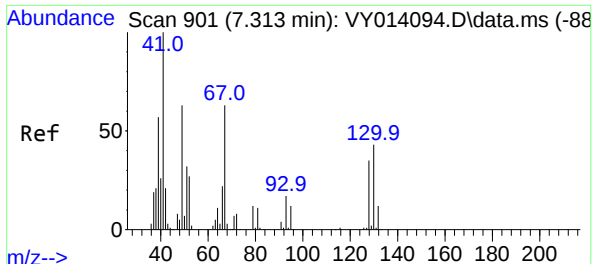
Tgt Ion: 75 Resp: 12858
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.744 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion:117 Resp: 17490
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#

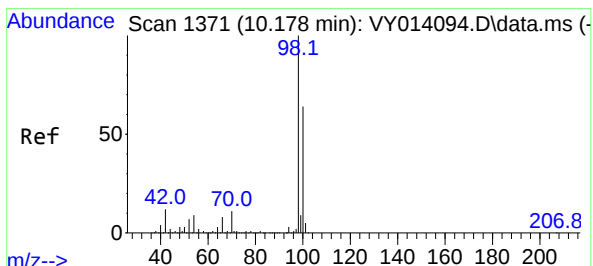
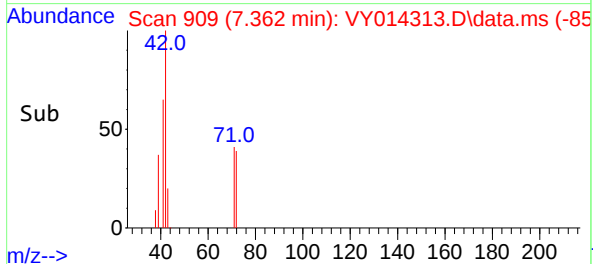
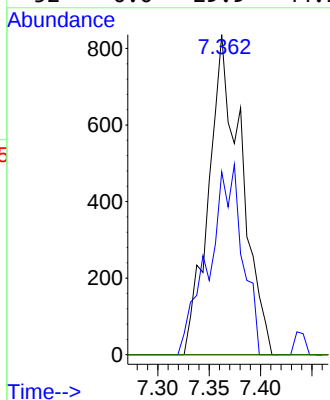
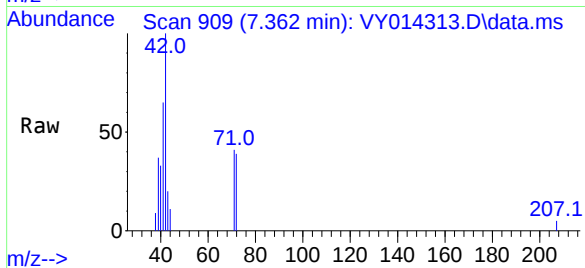




#41
Methacrylonitrile
Concen: 1.651 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

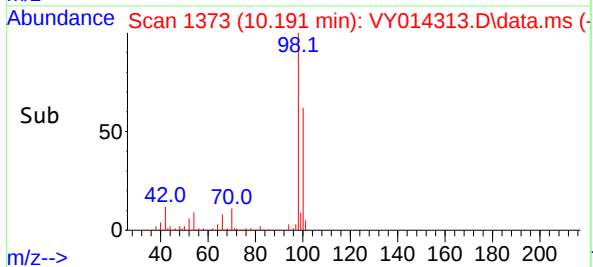
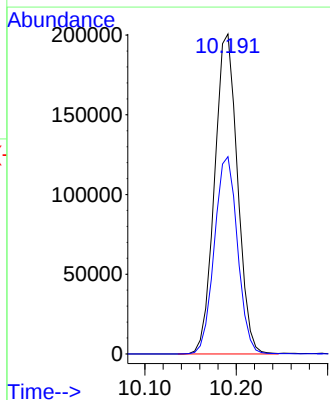
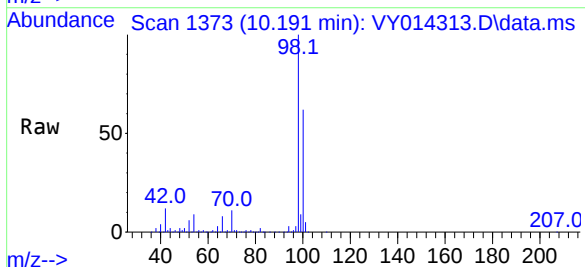
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

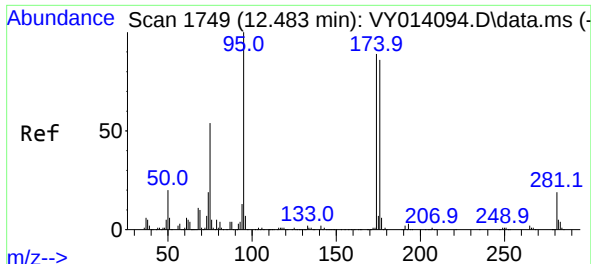
Tgt Ion: 41	Resp: 1858
Ion Ratio	Lower Upper
41 100	
39 60.9	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.745 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion: 98	Resp: 350494
Ion Ratio	Lower Upper
98 100	
100 62.2	50.1 75.1

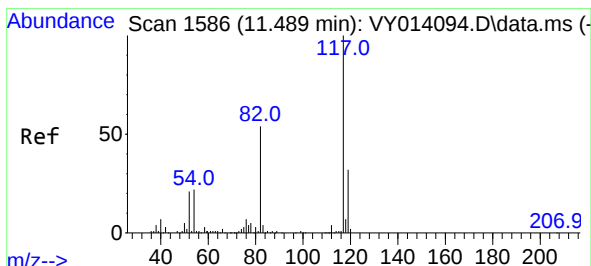
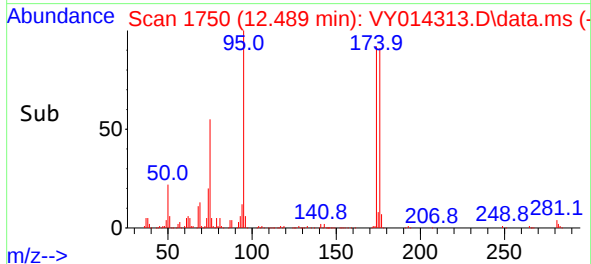
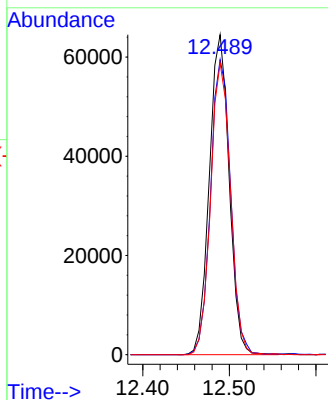
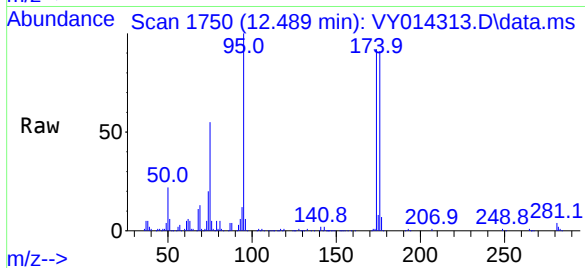




#62
4-Bromofluorobenzene
Concen: 37.753 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

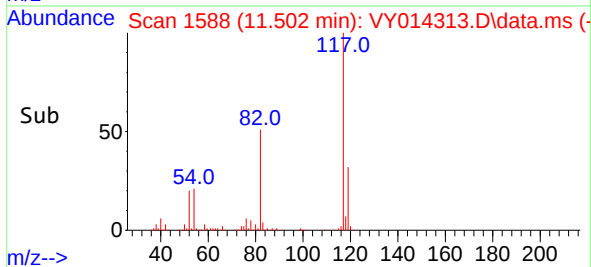
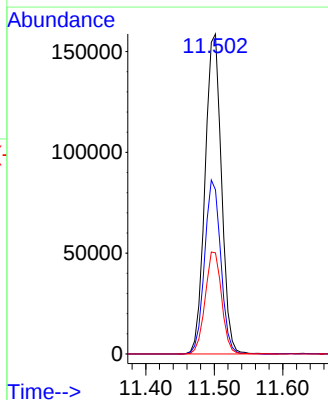
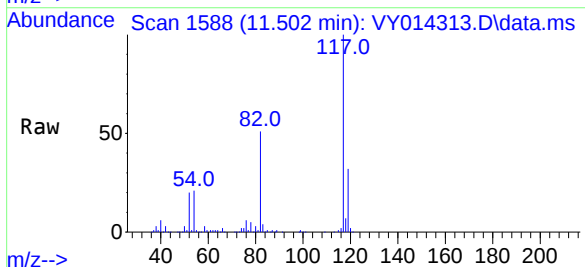
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

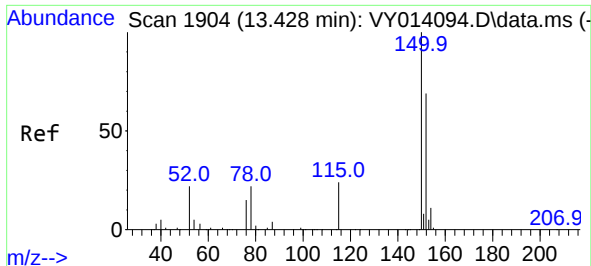
Tgt Ion:	95	Resp:	102754
Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	178.2
176	91.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion:	117	Resp:	265089
Ion	Ratio	Lower	Upper
117	100		
82	51.3	43.4	65.0
119	31.6	26.3	39.5

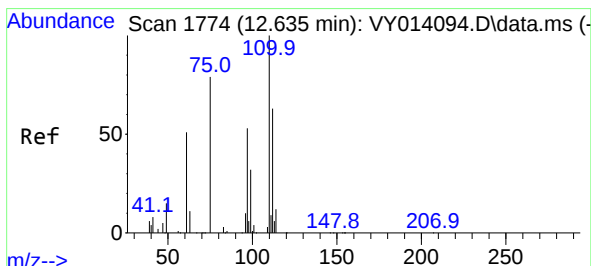
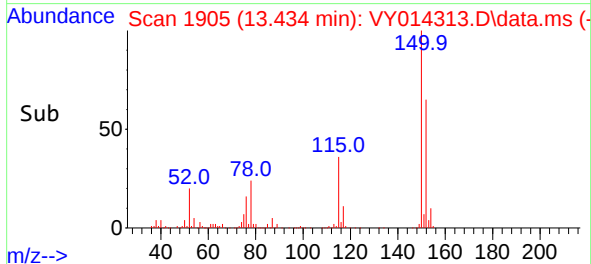
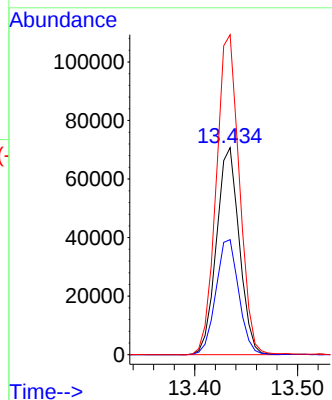
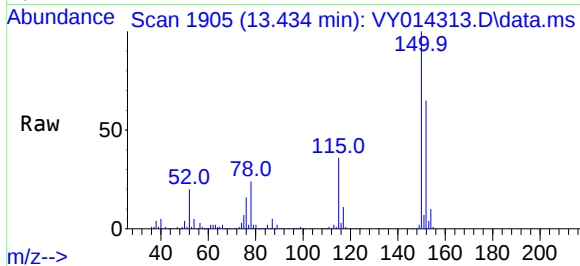




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

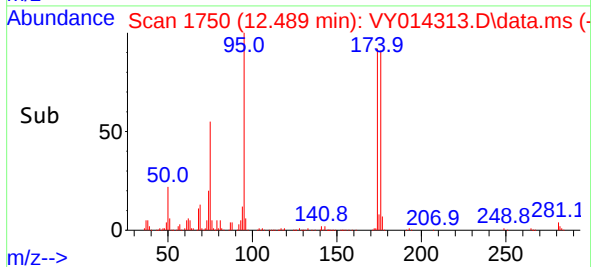
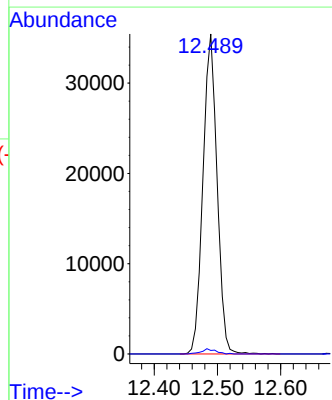
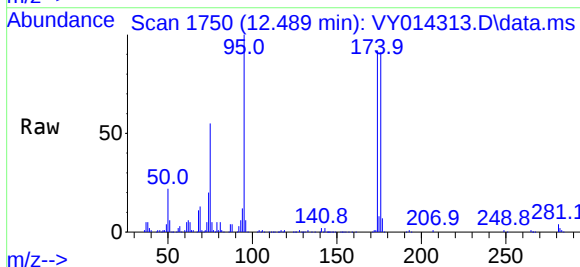
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW02-0-8-GRAB-6

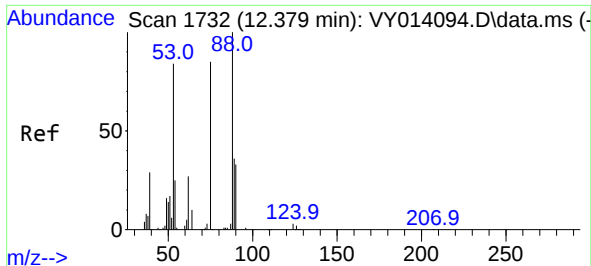
Tgt Ion:152 Resp: 109097
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 156.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.531 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Tgt Ion: 75 Resp: 55150
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.288 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014313.D
Acq: 21 Jun 2023 04:00

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW02-0-8-GRAB-6

Tgt Ion: 75 Resp: 55150
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

