

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014321.D
 Acq On : 21 Jun 2023 07:07
 Operator : KP/MD
 Sample : 03329-17
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-0-8-GRAB-6

Quant Time: Jun 21 07:48:33 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)

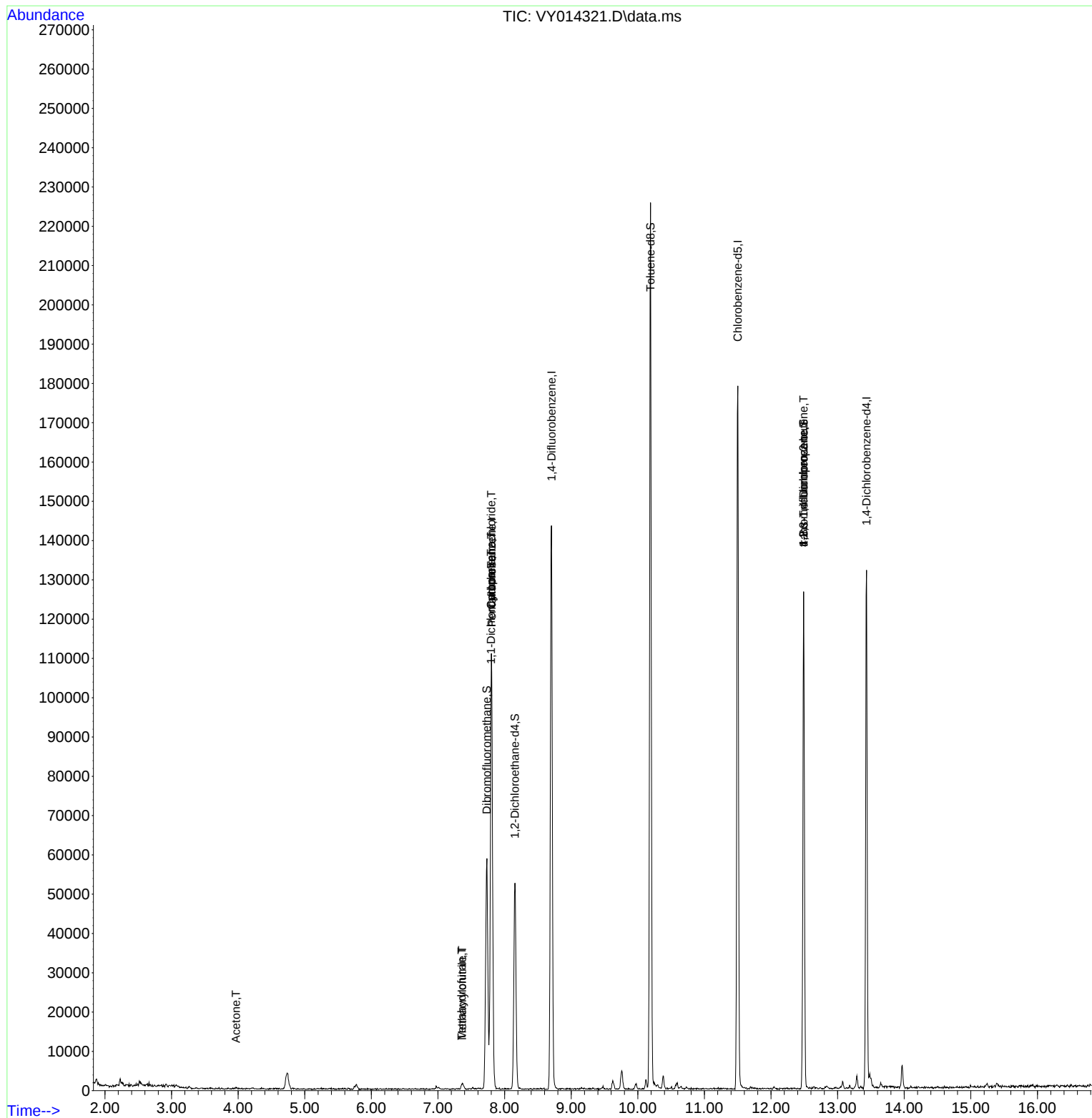
Internal Standards						
1) Pentafluorobenzene	7.807	168	86489	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	123013	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	100312	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	35453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	45882	38.096	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.200%
35) Dibromofluoromethane	7.734	113	39379	45.140	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.280%
50) Toluene-d8	10.191	98	146177	44.819	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.640%
62) 4-Bromofluorobenzene	12.489	95	35159	30.347	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.700%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	112	Below Cal	#	89
13) Acrolein	3.893	56	21	Below Cal	#	14
16) Acetone	3.966	43	424	1.168	ug/l #	46
20) Methylene Chloride	4.734	84	3277	Below Cal	#	90
29) Tetrahydrofuran	7.356	42	1091	3.850	ug/l #	35
31) Cyclohexane	7.801	56	2054	1.273	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	6356	4.673	ug/l #	50
38) Carbon Tetrachloride	7.801	117	8045	5.126	ug/l #	16
41) Methacrylonitrile	7.362	41	748	1.562	ug/l #	44
76) 1,2,3-Trichloropropane	12.489	75	18330	39.408	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	18330	85.185	ug/l #	10

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

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TOTAL-VOC-SW01-0-8-GRAB-6

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Response via : Initial Calibration

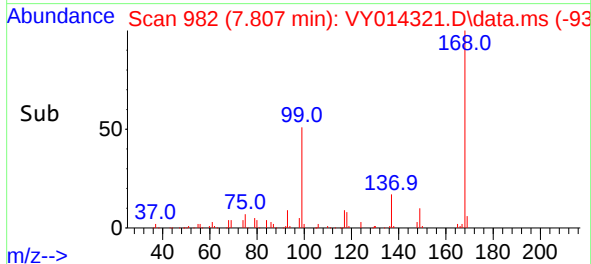
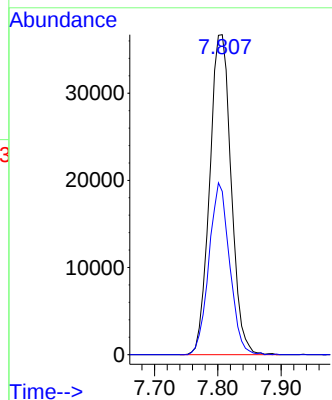
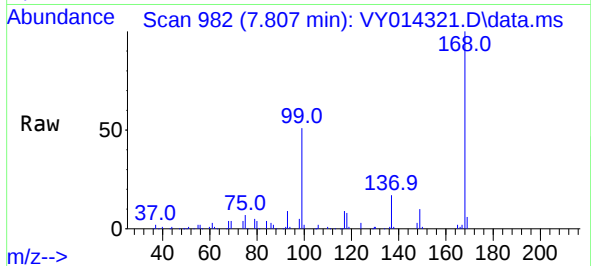




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

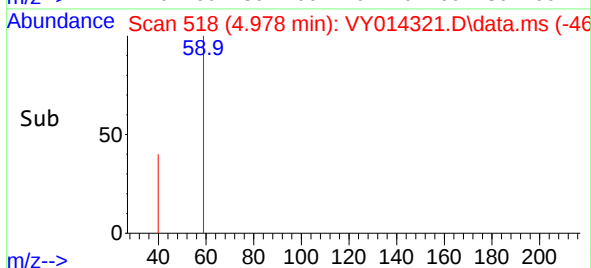
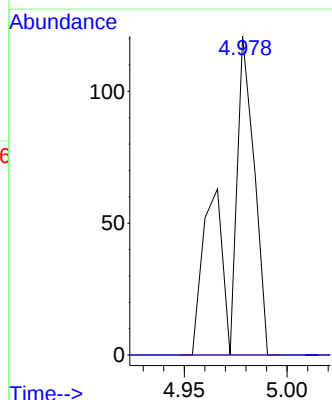
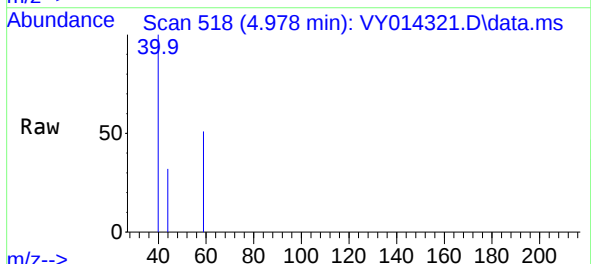
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-6

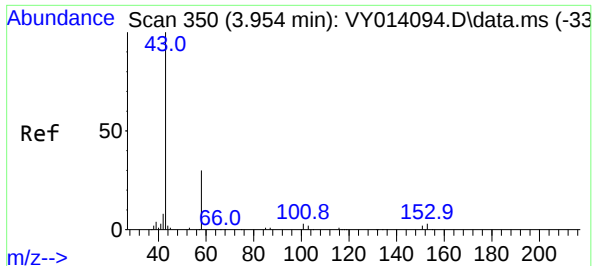
Tgt Ion:168 Resp: 86489
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

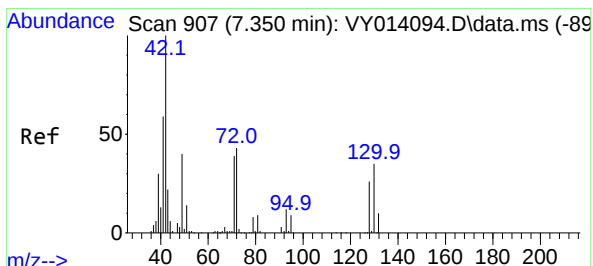
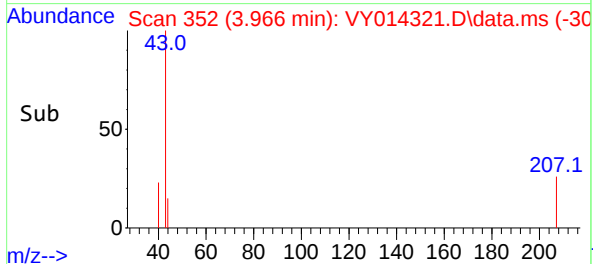
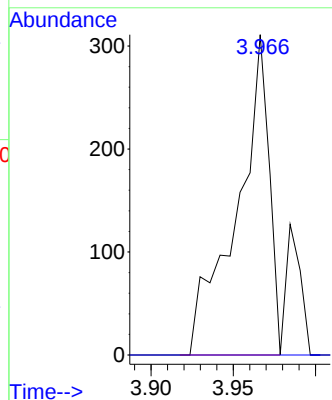
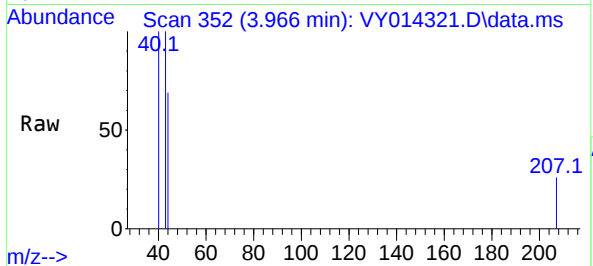




#16
Acetone
Concen: 1.168 ug/l
RT: 3.966 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

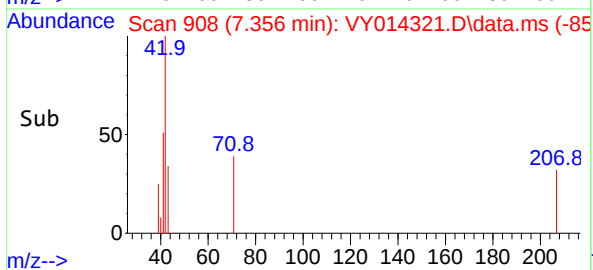
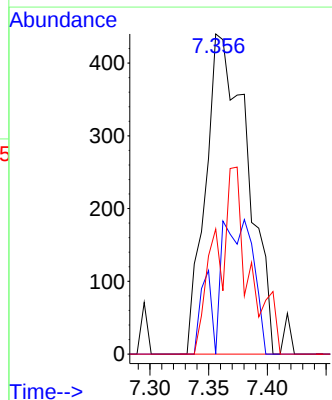
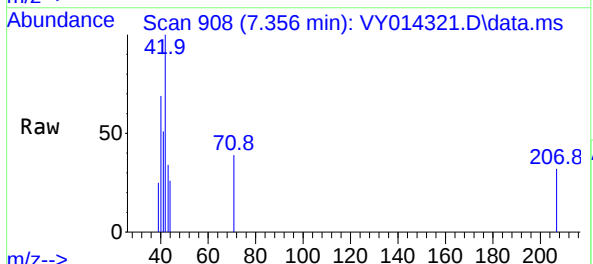
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-6

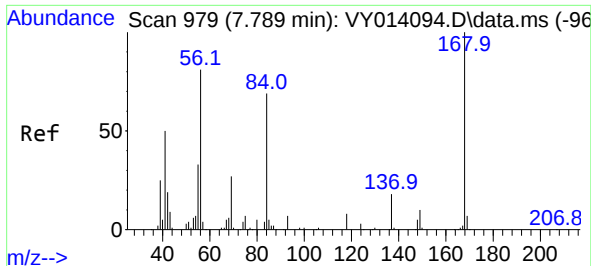
Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#29
Tetrahydrofuran
Concen: 3.850 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

Tgt Ion: 42 Resp: 1091
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.0 46.4#

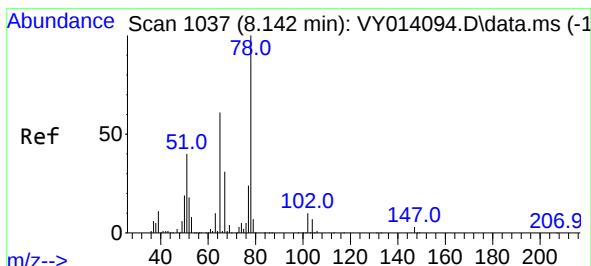
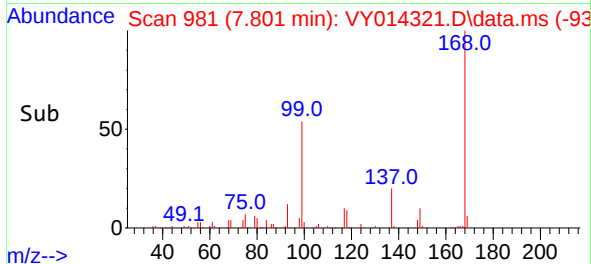
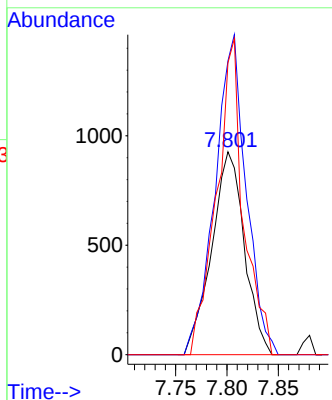
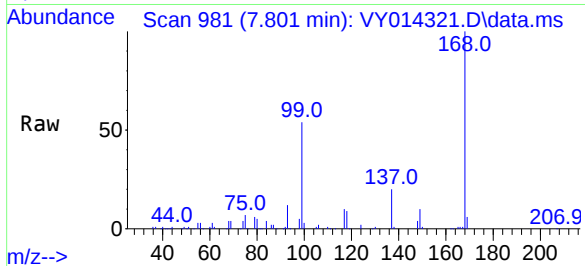




#31
Cyclohexane
Concen: 1.273 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

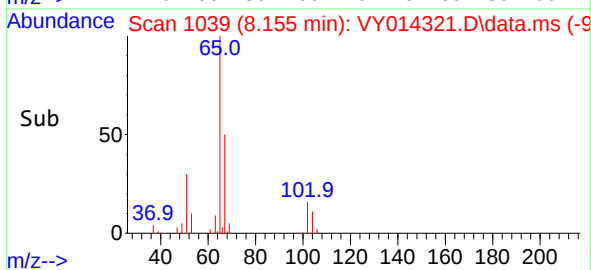
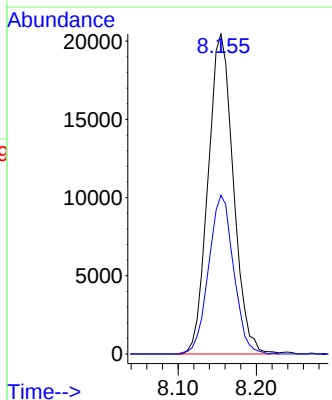
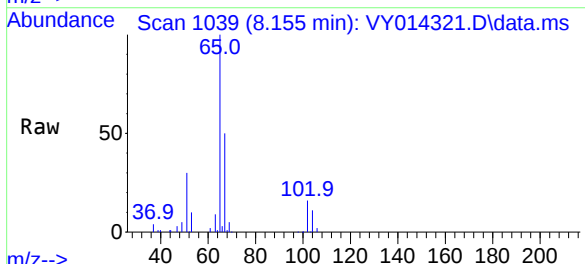
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-6

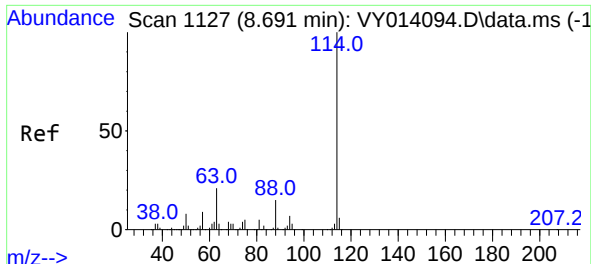
Tgt Ion: 56 Resp: 2054
Ion Ratio Lower Upper
56 100
69 144.8 27.8 41.6#
84 143.8 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 38.096 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

Tgt Ion: 65 Resp: 45882
Ion Ratio Lower Upper
65 100
67 49.0 0.0 101.8

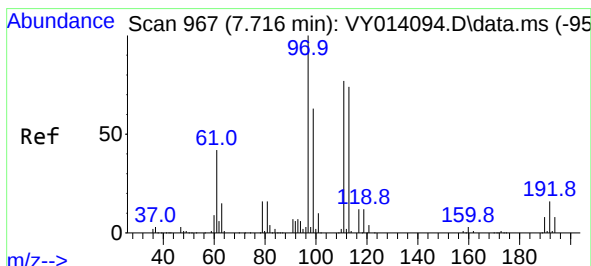
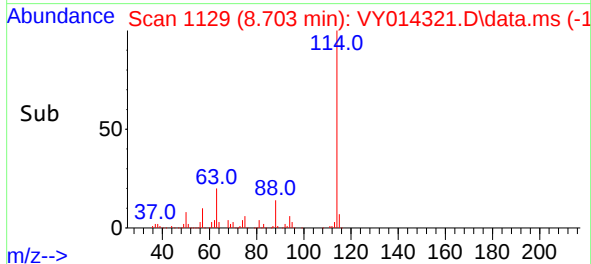
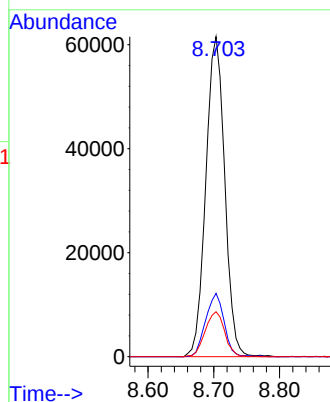
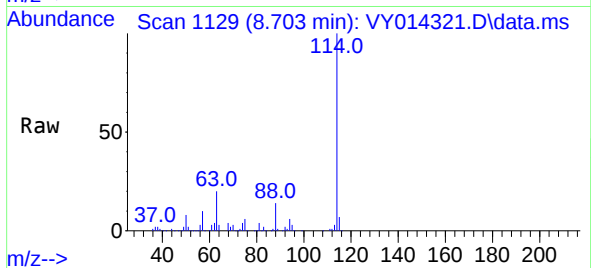




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

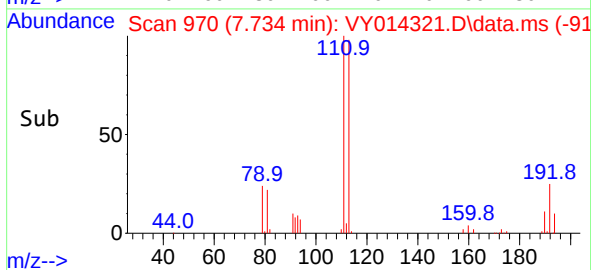
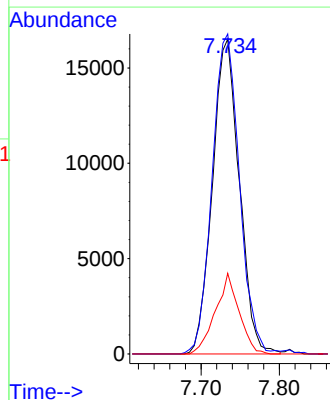
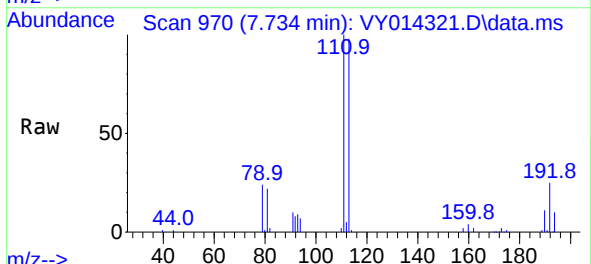
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-6

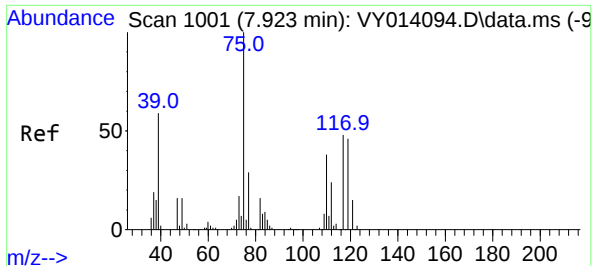
Tgt Ion:	114	Resp:	123013
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.4
88	14.1	0.0	30.6



#35
Dibromofluoromethane
Concen: 45.140 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.018 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

Tgt Ion:	113	Resp:	39379
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.3	121.9
192	22.5	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.673 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY014321.D

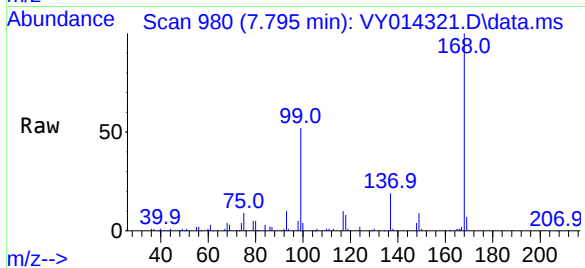
Acq: 21 Jun 2023 07:07

Instrument :

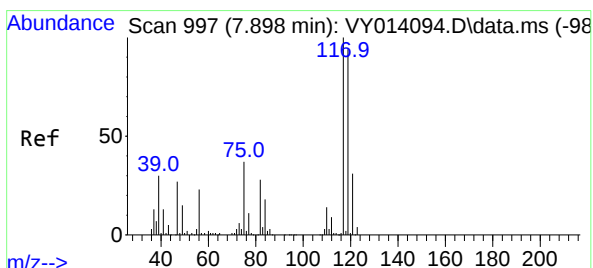
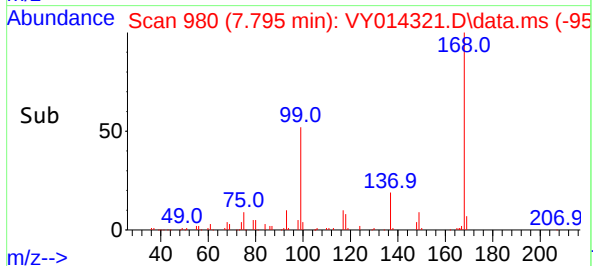
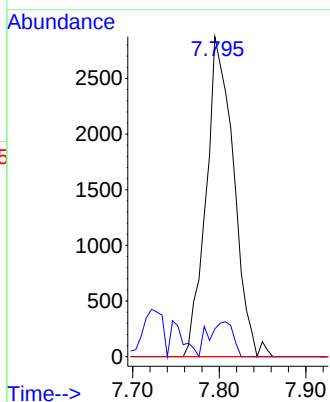
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW01-0-8-GRAB-6



Tgt Ion:	75	Resp:	6356
Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.8	53.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.126 ug/l

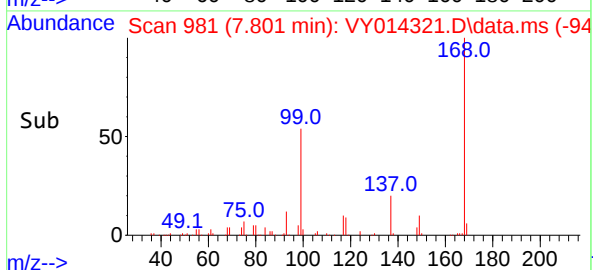
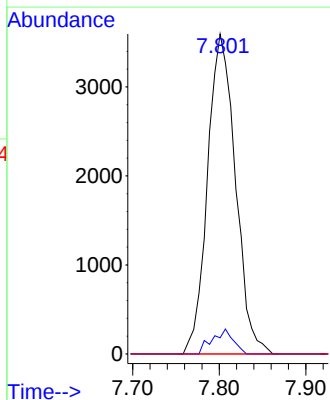
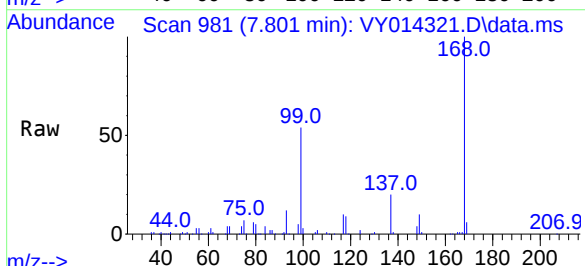
RT: 7.801 min Scan# 981

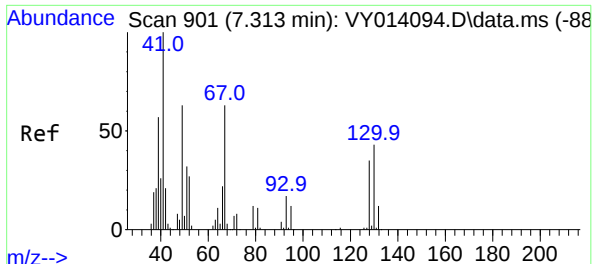
Delta R.T. -0.097 min

Lab File: VY014321.D

Acq: 21 Jun 2023 07:07

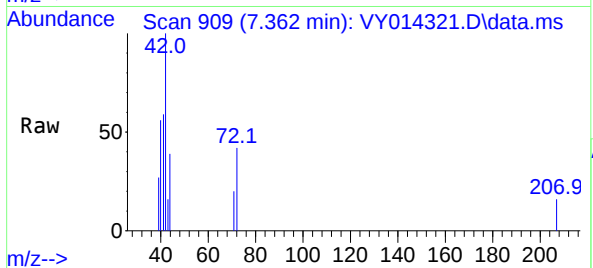
Tgt Ion:	117	Resp:	8045
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.4	114.6#
121	0.0	25.8	38.6#



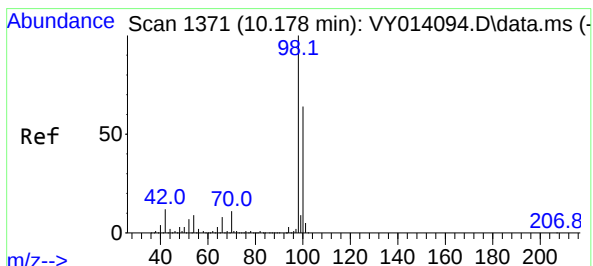
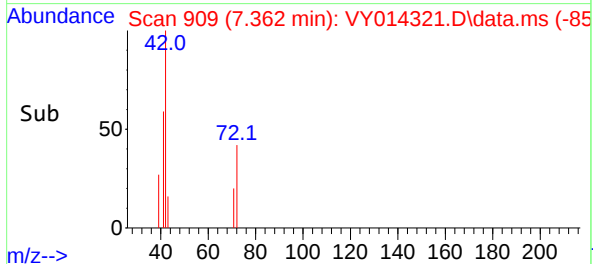
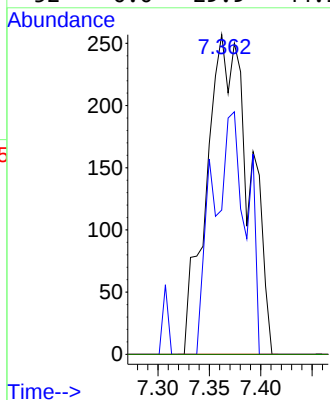


#41
Methacrylonitrile
Concen: 1.562 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-6

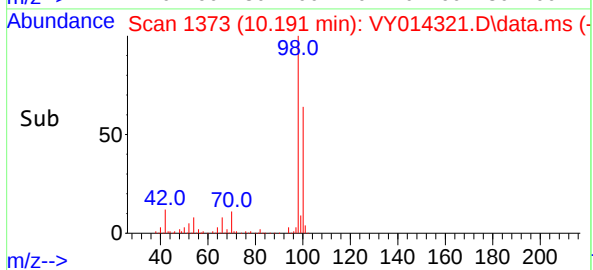
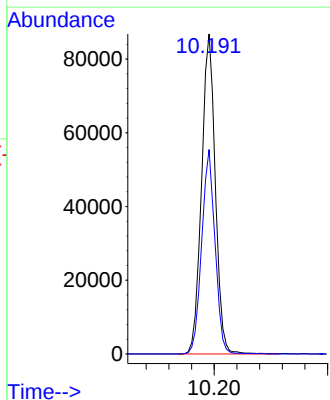
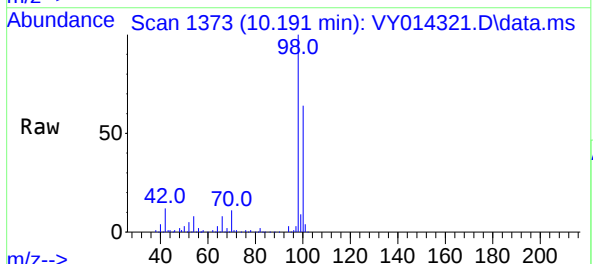


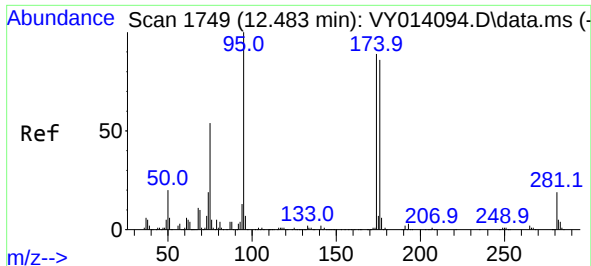
Tgt Ion: 41	Resp: 748
Ion Ratio	Lower Upper
41 100	
39 59.5	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.819 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

Tgt Ion: 98	Resp: 146177
Ion Ratio	Lower Upper
98 100	
100 62.0	50.1 75.1

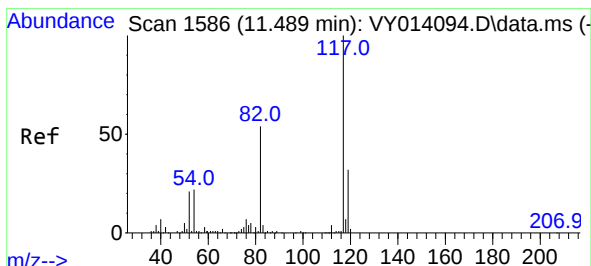
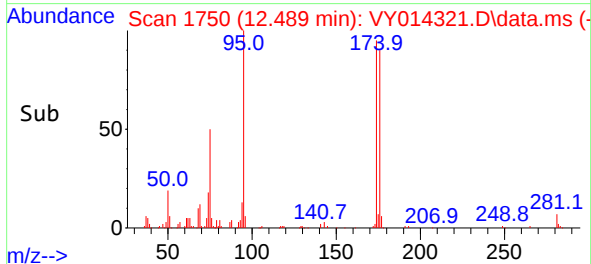
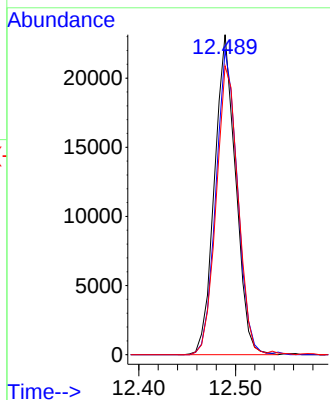
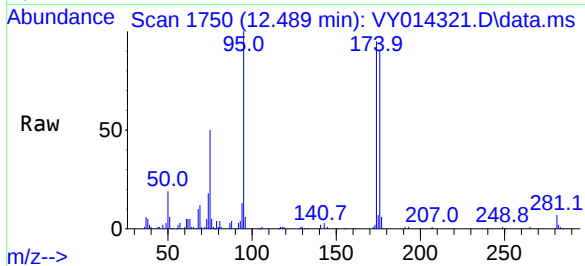




#62
4-Bromofluorobenzene
Concen: 30.347 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

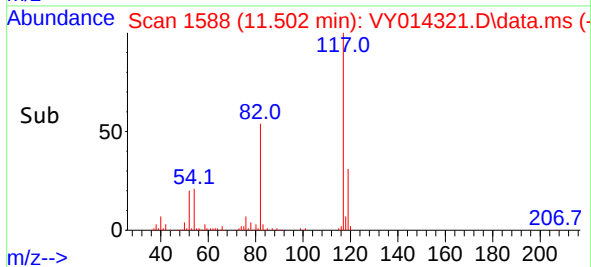
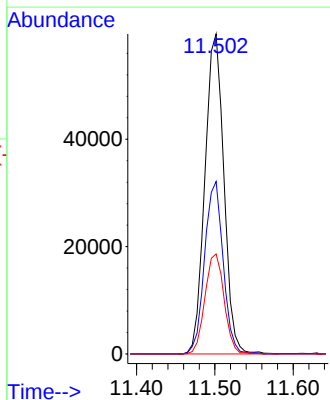
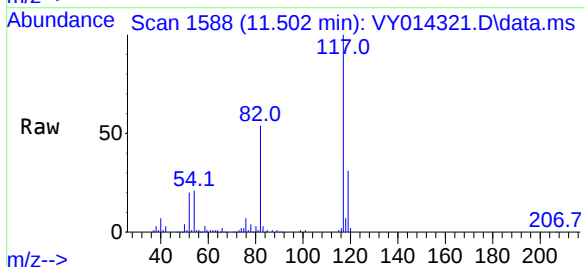
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-6

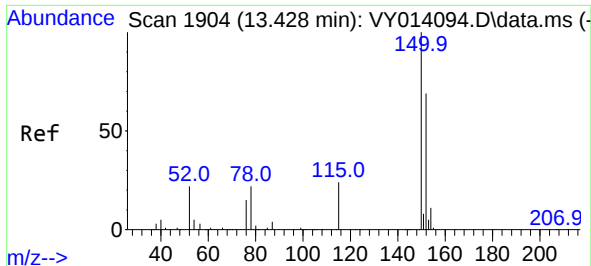
Tgt Ion:	95	Resp:	35159
Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	178.2
176	93.6	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

Tgt Ion:	117	Resp:	100312
Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.4	65.0
119	31.2	26.3	39.5

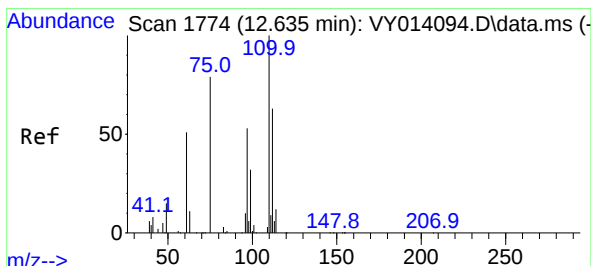
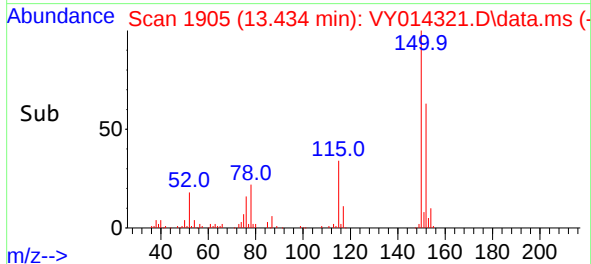
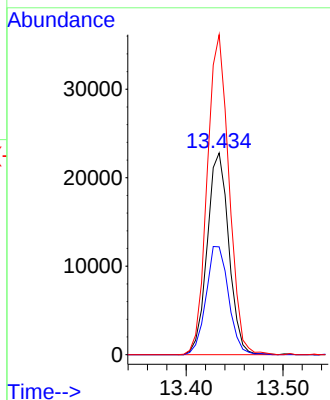
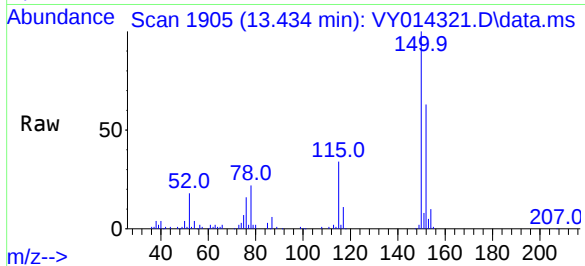




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

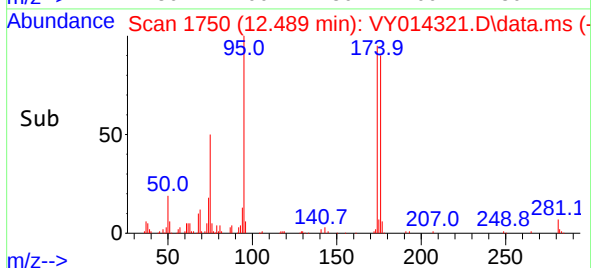
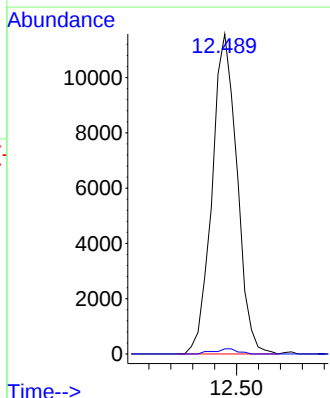
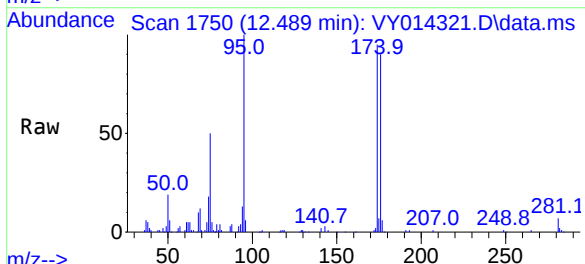
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW01-0-8-GRAB-6

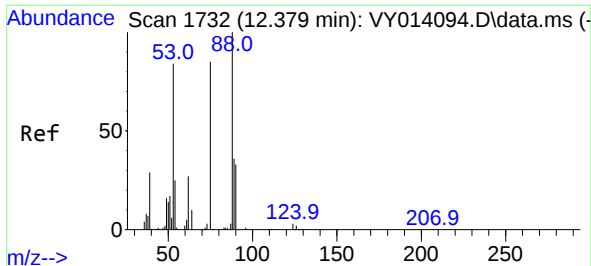
Tgt Ion:152 Resp: 35453
Ion Ratio Lower Upper
152 100
115 56.0 28.8 86.5
150 159.7 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 39.408 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014321.D
Acq: 21 Jun 2023 07:07

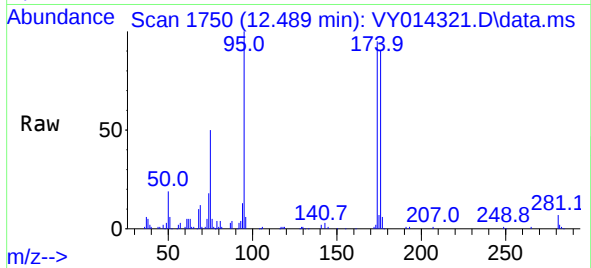
Tgt Ion: 75 Resp: 18330
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.185 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014321.D
 Acq: 21 Jun 2023 07:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW01-0-8-GRAB-6



Tgt Ion: 75 Resp: 18330
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

