

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014363.D
 Acq On : 22 Jun 2023 05:44
 Operator : KP/MD
 Sample : 03330-12
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC01-GRAB-7

Quant Time: Jun 22 07:31:01 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)

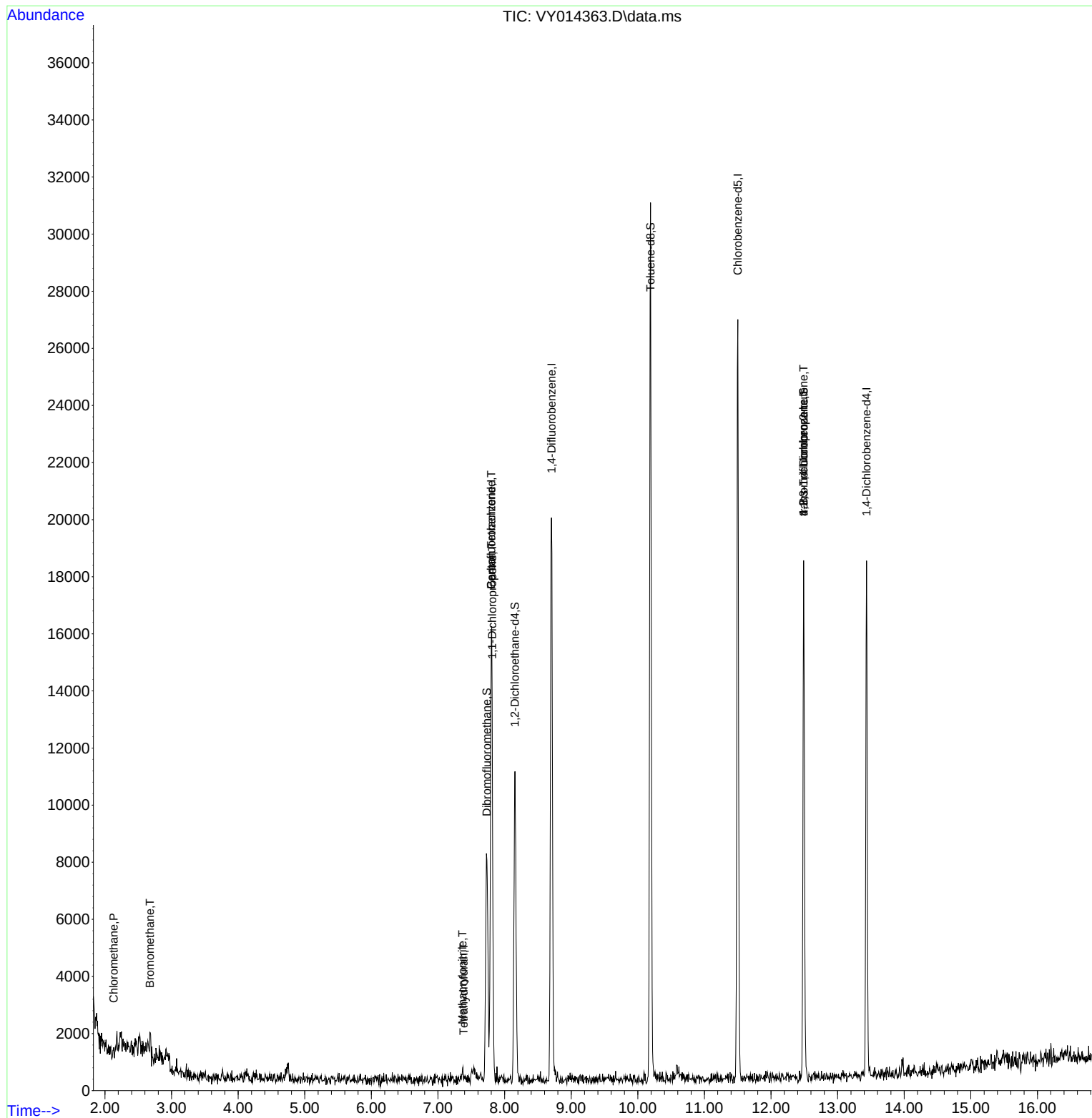
Internal Standards						
1) Pentafluorobenzene	7.801	168	13265	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	18211	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	15362	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	4886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	8950	48.452	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.900%
35) Dibromofluoromethane	7.734	113	5696	44.104	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.200%
50) Toluene-d8	10.191	98	20293	42.029	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.060%
62) 4-Bromofluorobenzene	12.489	95	5126	29.886	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.780%
Target Compounds						
					Qvalue	
3) Chloromethane	2.131	50	193	1.030	ug/l #	43
5) Bromomethane	2.674	94	181	1.204	ug/l #	75
20) Methylene Chloride	4.741	84	257	Below Cal	#	72
29) Tetrahydrofuran	7.387	42	226	5.200	ug/l #	53
36) 1,1-Dichloropropene	7.813	75	1013	5.031	ug/l #	46
38) Carbon Tetrachloride	7.801	117	1248	5.371	ug/l #	12
41) Methacrylonitrile	7.368	41	125	1.763	ug/l #	45
76) 1,2,3-Trichloropropane	12.489	75	2724	42.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2724	91.856	ug/l #	10

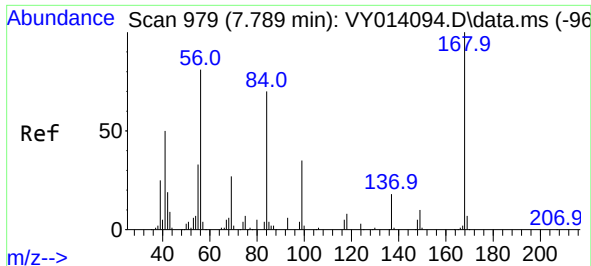
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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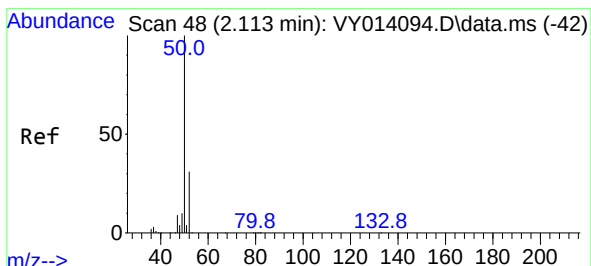
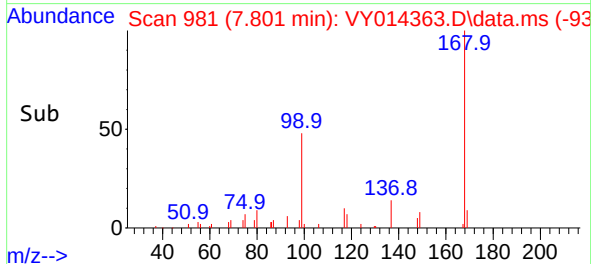
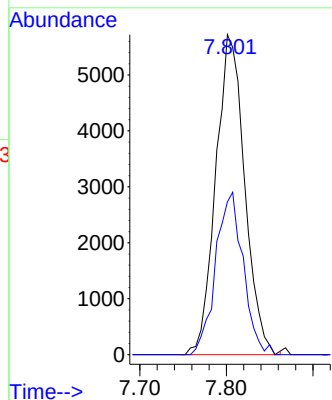
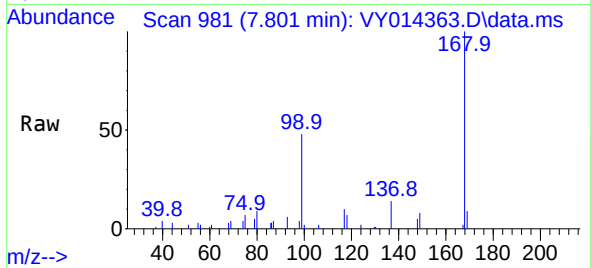




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

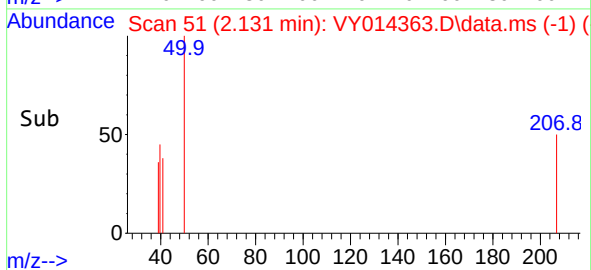
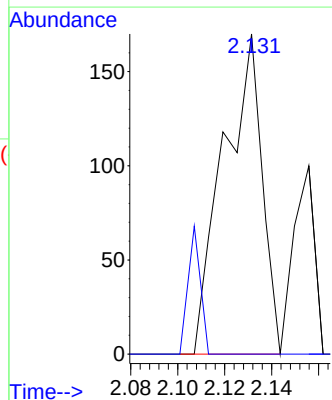
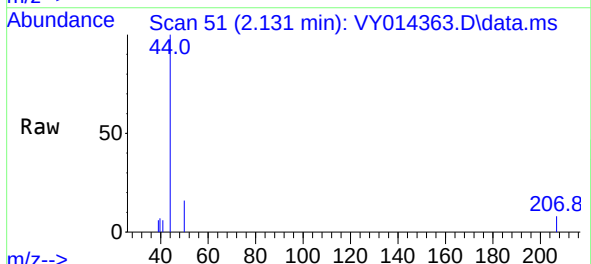
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7

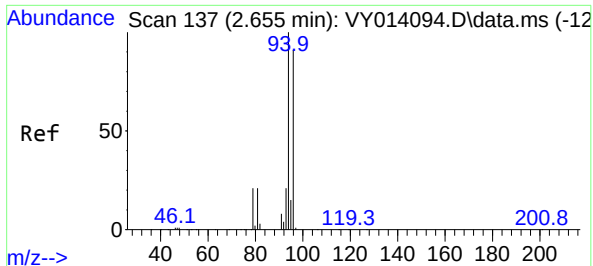
Tgt Ion:168 Resp: 13265
Ion Ratio Lower Upper
168 100
99 47.8 43.4 65.0



#3
Chloromethane
Concen: 1.030 ug/l
RT: 2.131 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

Tgt Ion: 50 Resp: 193
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

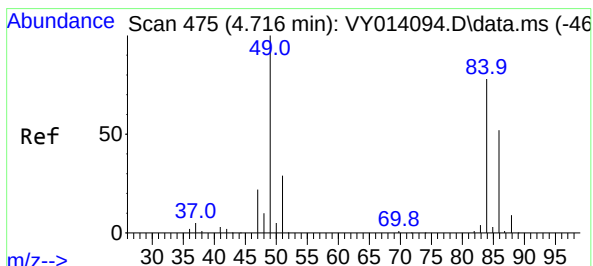
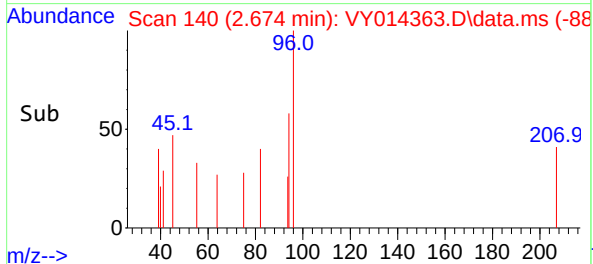
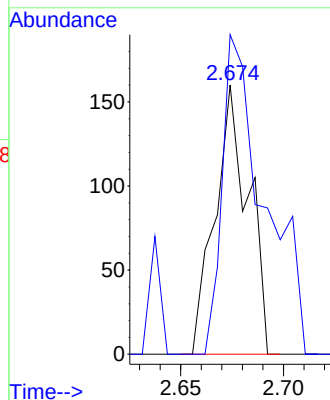
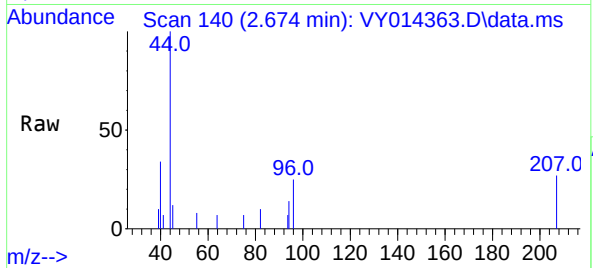




#5
Bromomethane
Concen: 1.204 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.019 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

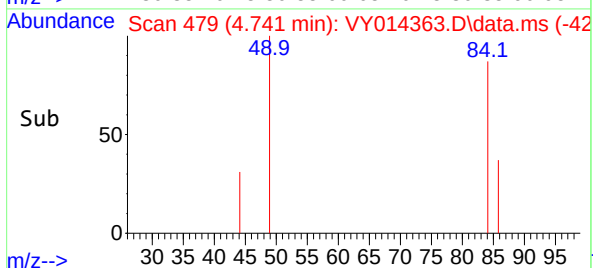
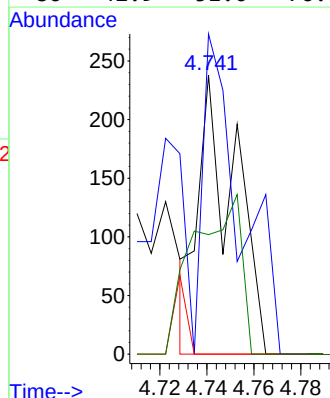
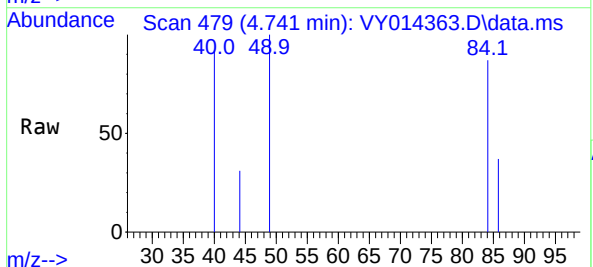
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7

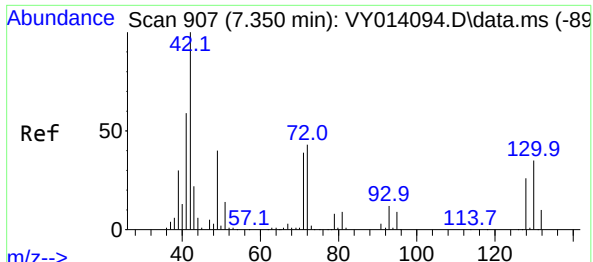
Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 118.8 75.8 113.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.741 min Scan# 479
Delta R.T. 0.025 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

Tgt Ion: 84 Resp: 257
Ion Ratio Lower Upper
84 100
49 114.7 106.9 160.3
51 0.0 33.2 49.8#
86 42.9 51.0 76.6#

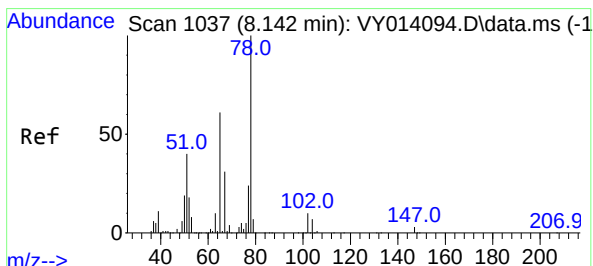
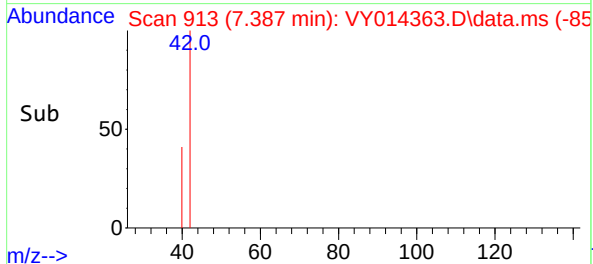
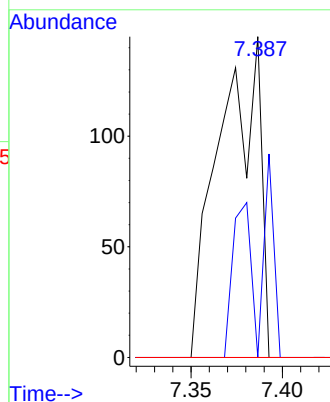
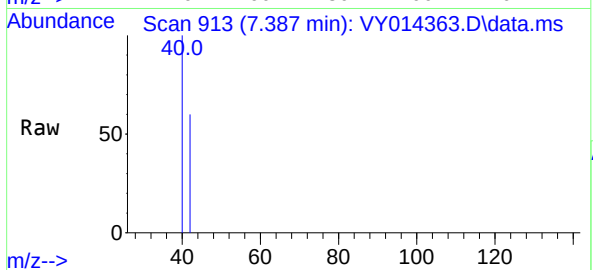




#29
Tetrahydrofuran
Concen: 5.200 ug/l
RT: 7.387 min Scan# 91
Delta R.T. 0.037 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

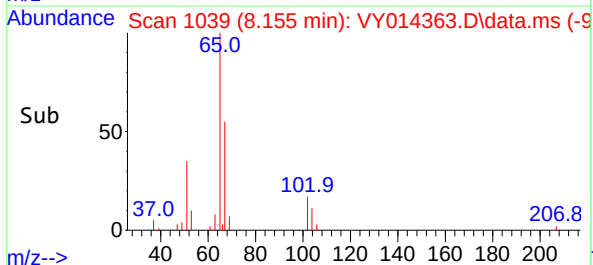
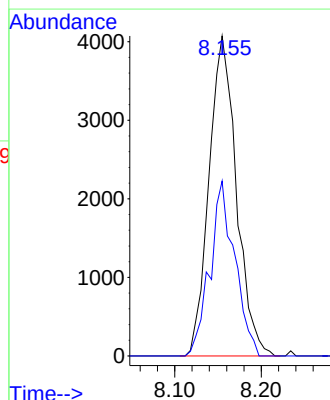
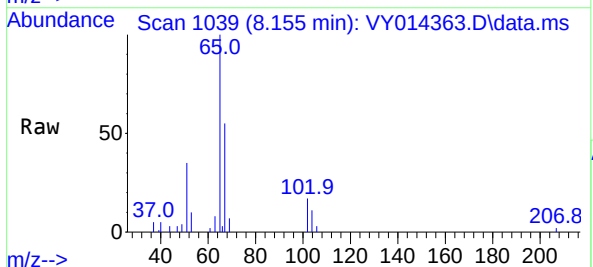
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7

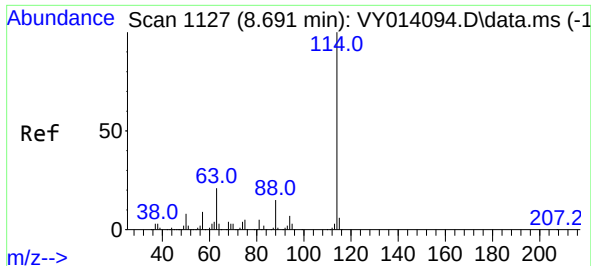
Tgt Ion: 42 Resp: 226
Ion Ratio Lower Upper
42 100
72 21.7 32.8 49.2#
71 0.0 31.0 46.4#



#33
1,2-Dichloroethane-d4
Concen: 48.452 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

Tgt Ion: 65 Resp: 8950
Ion Ratio Lower Upper
65 100
67 49.5 0.0 101.8

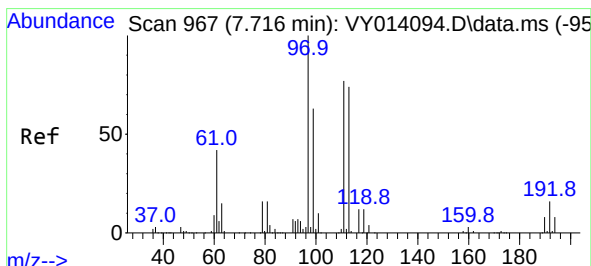
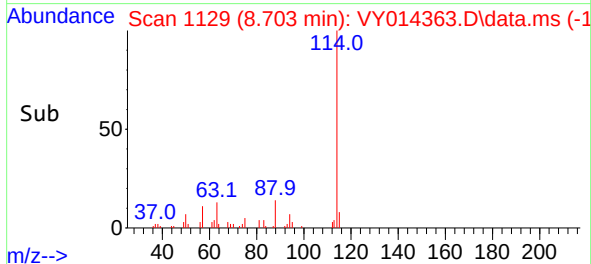
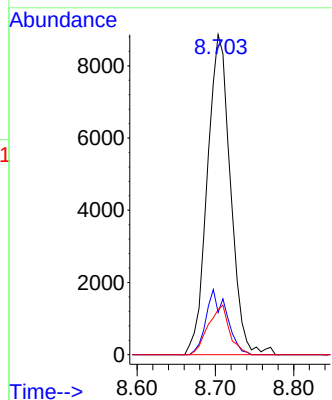
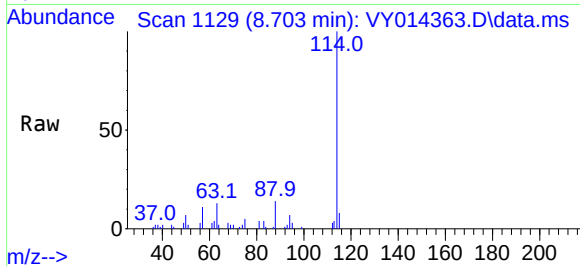




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

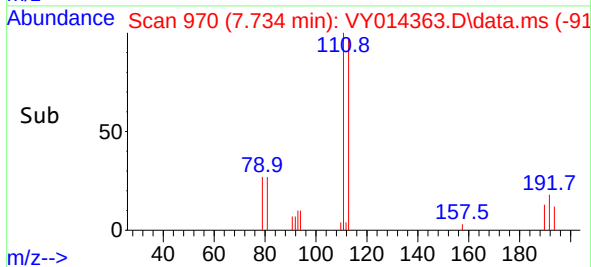
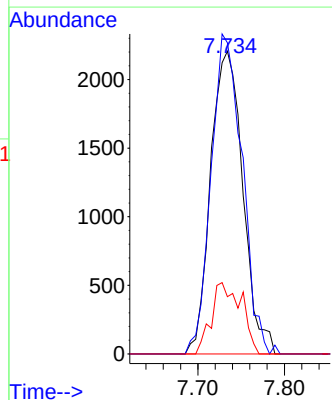
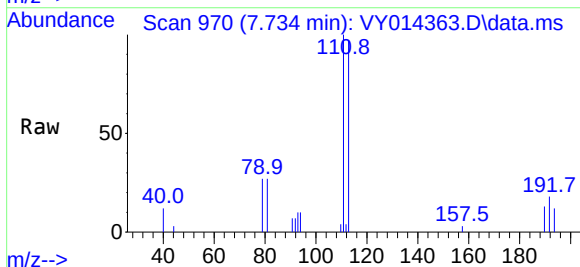
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7

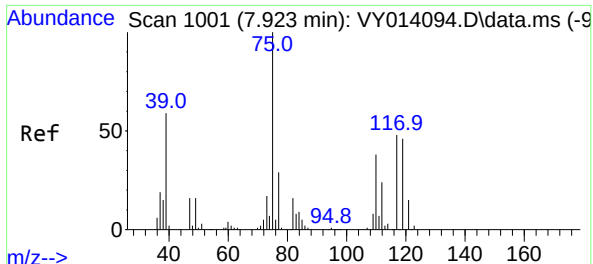
Tgt Ion:114	Resp:	18211
Ion Ratio	Lower	Upper
114	100	
63	13.2	0.0 42.4
88	14.1	0.0 30.6



#35
Dibromofluoromethane
Concen: 44.104 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.018 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

Tgt Ion:113	Resp:	5696
Ion Ratio	Lower	Upper
113	100	
111	102.1	81.3 121.9
192	22.0	16.9 25.3

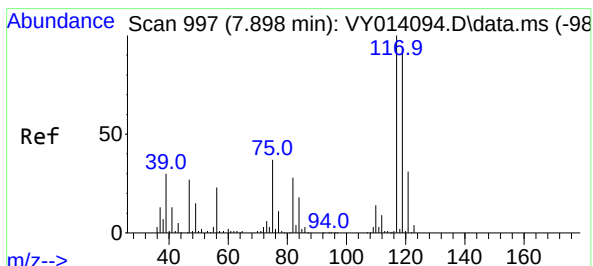
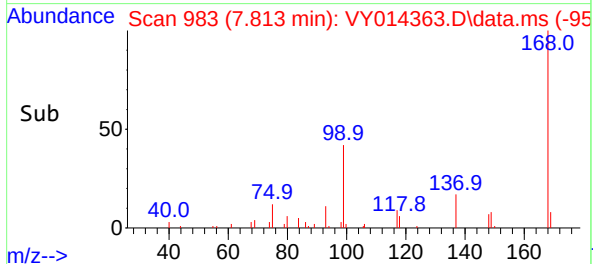
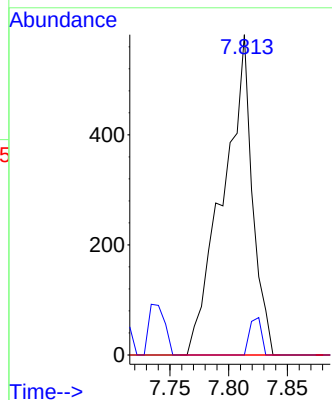
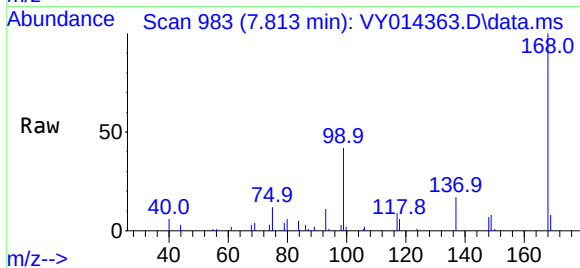




#36
1,1-Dichloropropene
Concen: 5.031 ug/l
RT: 7.813 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

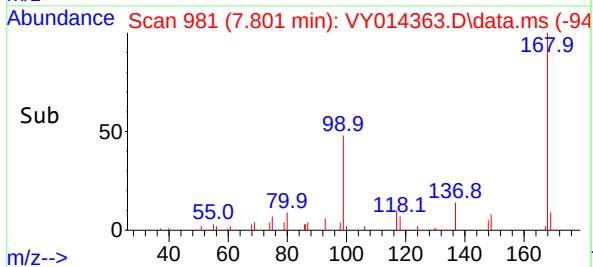
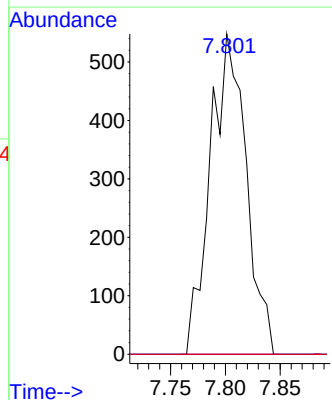
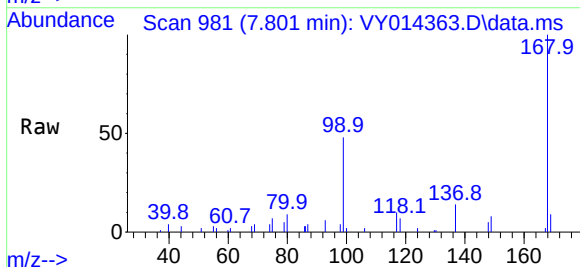
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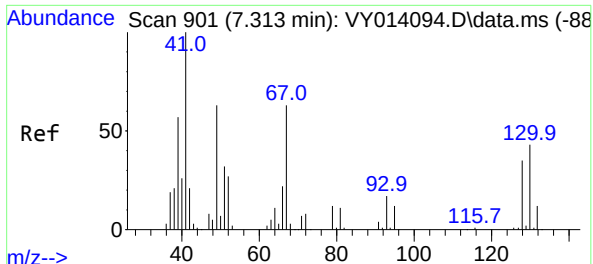
Tgt Ion: 75 Resp: 1013
Ion Ratio Lower Upper
75 100
110 4.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.371 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

Tgt Ion: 117 Resp: 1248
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

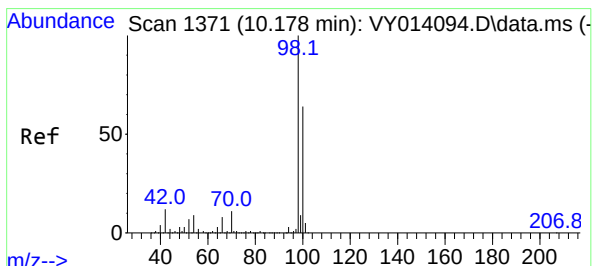
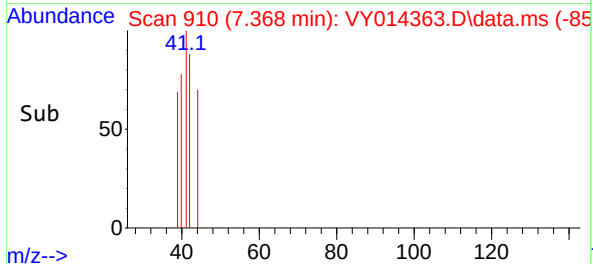
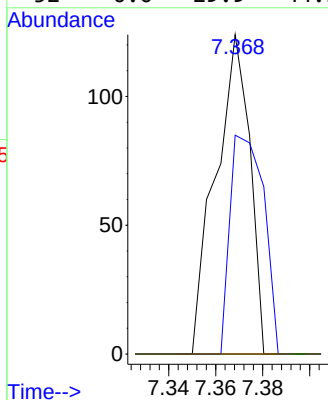
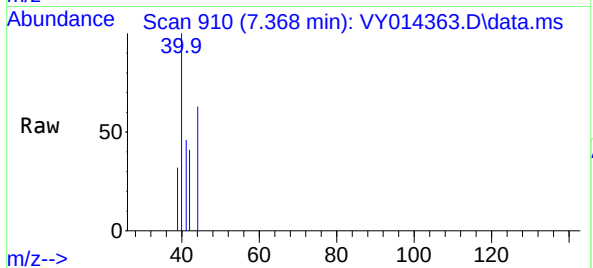




#41
Methacrylonitrile
Concen: 1.763 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

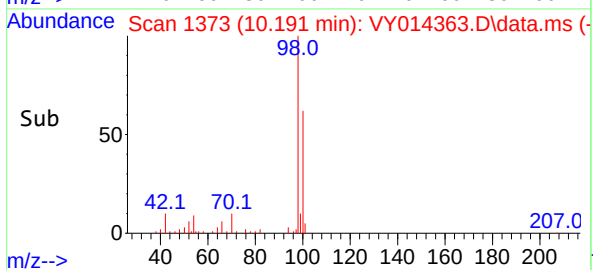
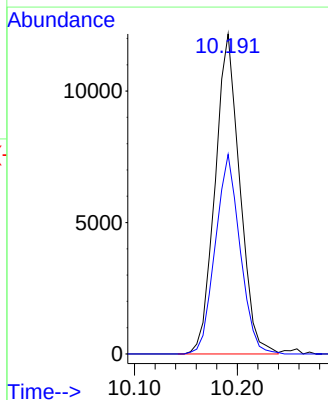
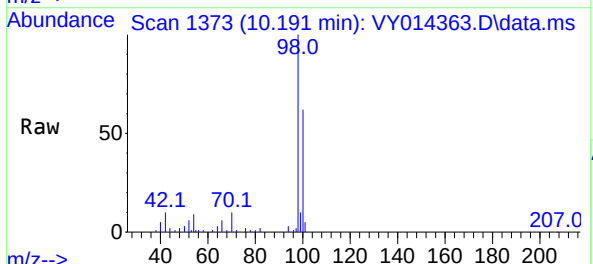
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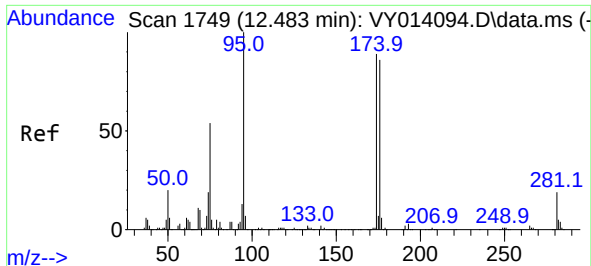
Tgt Ion: 41	Resp:	125
Ion	Ratio	Lower Upper
41	100	
39	68.0	52.1 78.1
67	0.0	66.2 99.2#
52	0.0	29.9 44.9#



#50
Toluene-d8
Concen: 42.029 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

Tgt Ion: 98	Resp:	20293
Ion	Ratio	Lower Upper
98	100	
100	62.5	50.1 75.1

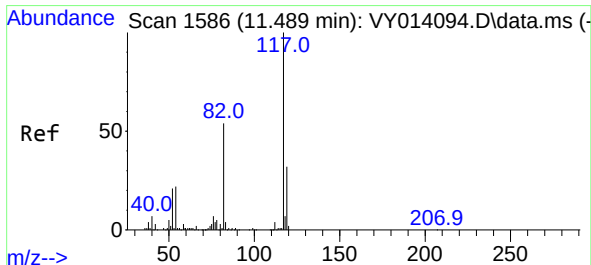
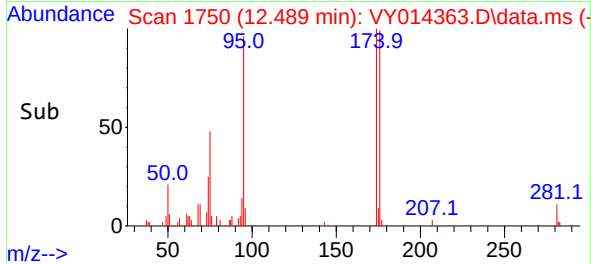
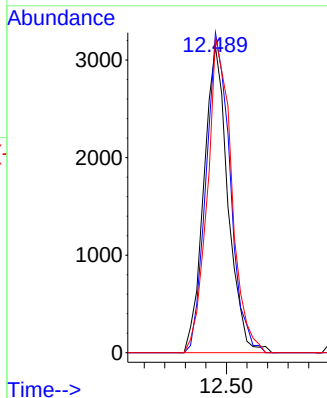
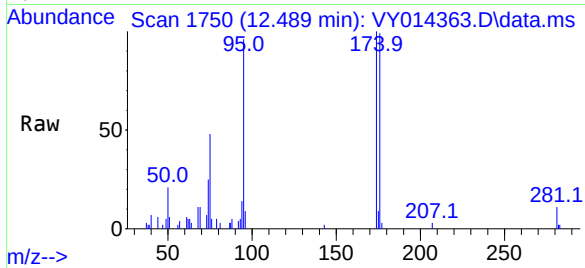




#62
4-Bromofluorobenzene
Concen: 29.886 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

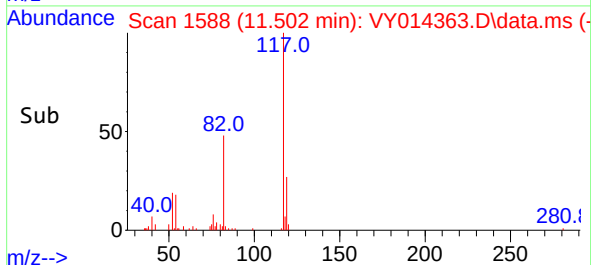
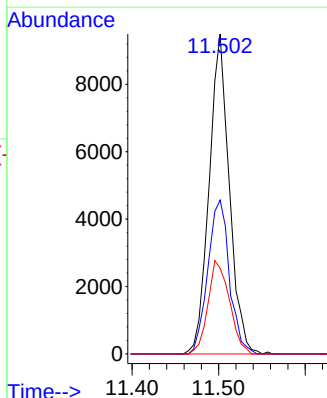
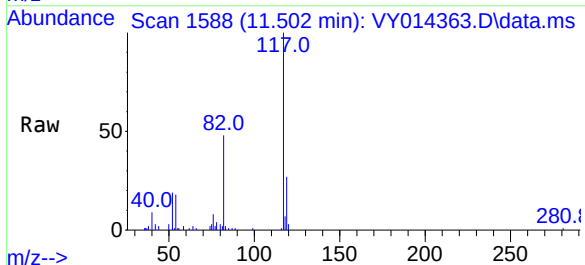
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7

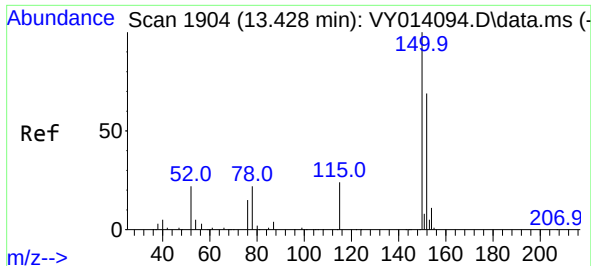
Tgt Ion:	95	Resp:	5126
Ion	Ratio	Lower	Upper
95	100		
174	104.1	0.0	178.2
176	103.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

Tgt Ion:	117	Resp:	15362
Ion	Ratio	Lower	Upper
117	100		
82	48.1	43.4	65.0
119	26.8	26.3	39.5

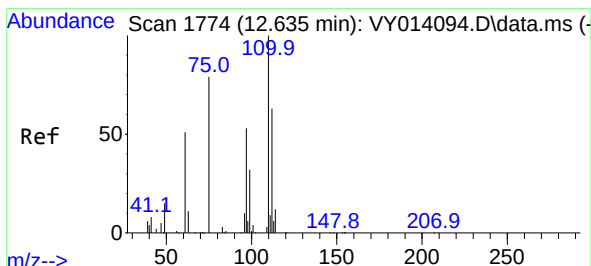
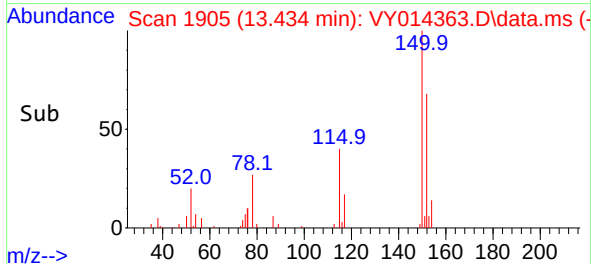
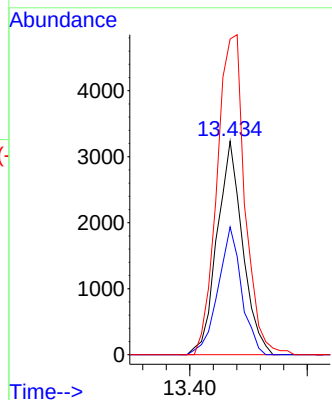
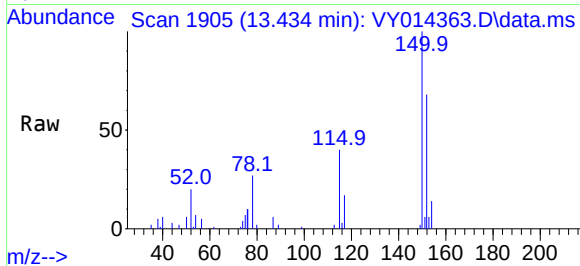




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

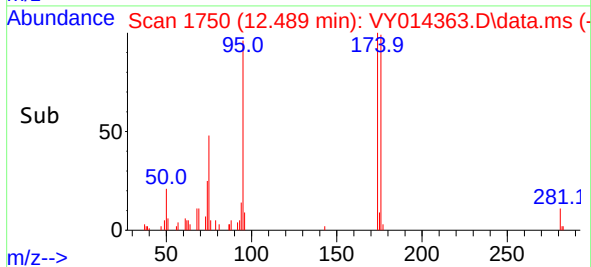
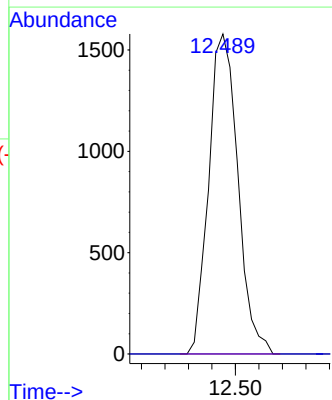
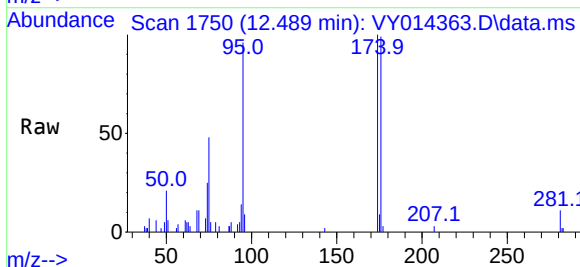
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-MC01-GRAB-7

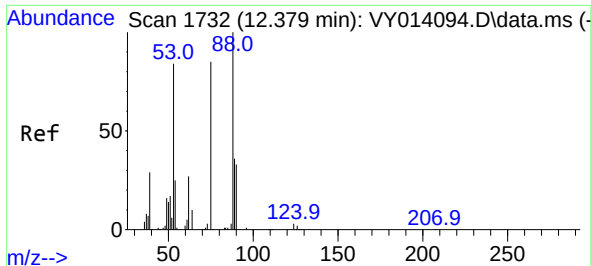
Tgt Ion:152 Resp: 4886
Ion Ratio Lower Upper
152 100
115 55.2 28.8 86.5
150 163.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 42.494 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014363.D
Acq: 22 Jun 2023 05:44

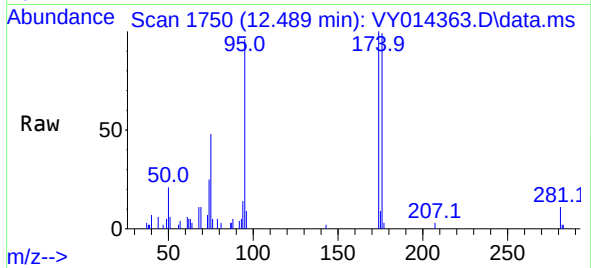
Tgt Ion: 75 Resp: 2724
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.856 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014363.D
 Acq: 22 Jun 2023 05:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-MC01-GRAB-7



Tgt Ion: 75 Resp: 2724

Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#

