

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
 Data File : VY014316.D
 Acq On : 21 Jun 2023 05:10
 Operator : KP/MD
 Sample : 03328-24
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-8-15-GRAB-7

Quant Time: Jun 21 06:21:17 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)

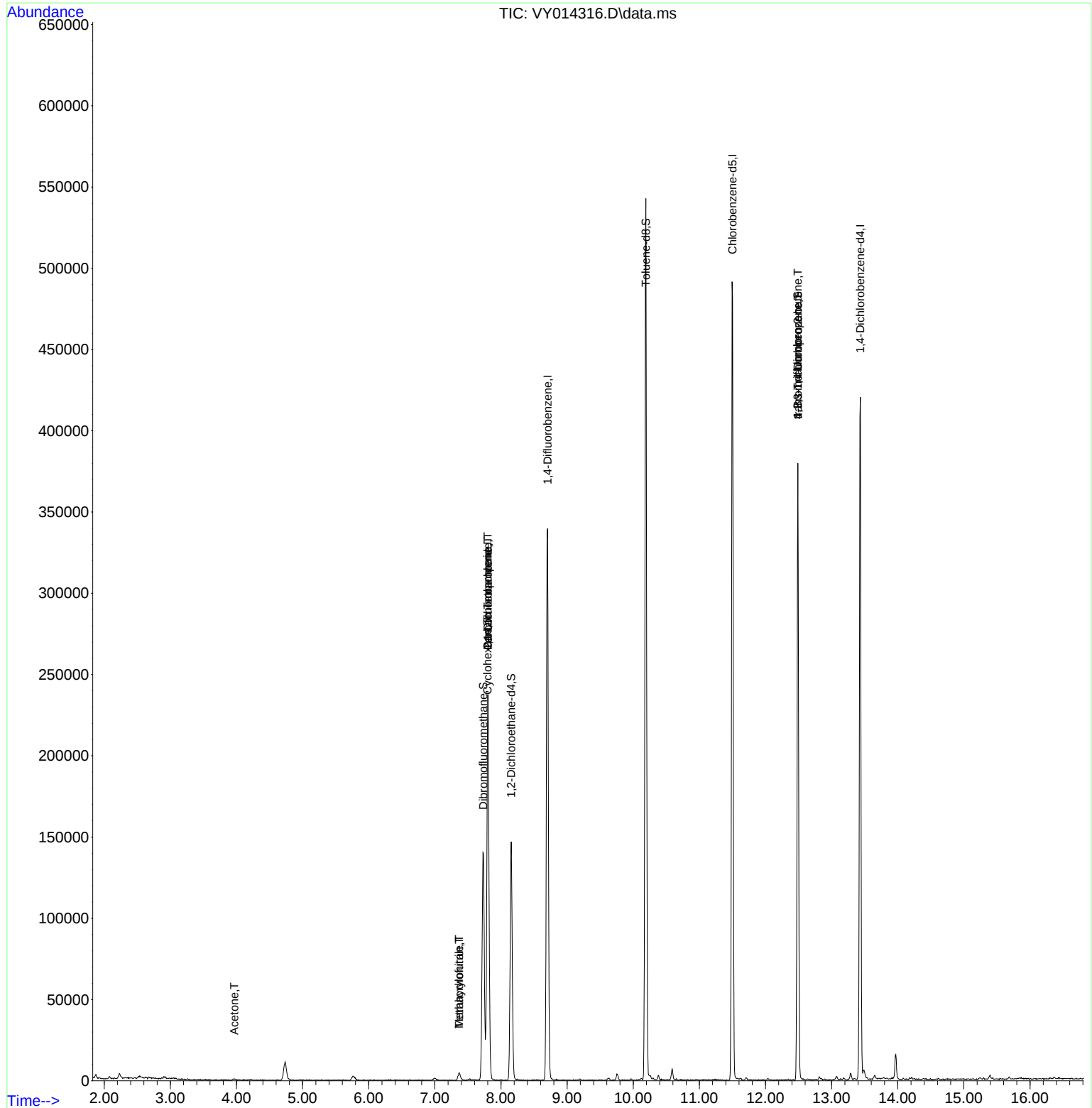
Internal Standards						
1) Pentafluorobenzene	7.801	168	181292	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	291844	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	267289	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	112039	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	121993	48.323	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.640%
35) Dibromofluoromethane	7.734	113	95713	46.245	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.500%
50) Toluene-d8	10.191	98	352186	45.515	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.489	95	102848	37.417	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	297	Below Cal	#	89
16) Acetone	3.966	43	1242	1.632	ug/l #	77
20) Methylene Chloride	4.735	84	7964	Below Cal		93
29) Tetrahydrofuran	7.368	42	3636	6.121	ug/l	95
31) Cyclohexane	7.795	56	4214	1.246	ug/l #	30
36) 1,1-Dichloropropene	7.801	75	13253	4.107	ug/l #	50
38) Carbon Tetrachloride	7.801	117	18444	4.953	ug/l #	15
41) Methacrylonitrile	7.368	41	2062	1.815	ug/l #	38
76) 1,2,3-Trichloropropane	12.489	75	57319	38.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	57319	84.291	ug/l #	11

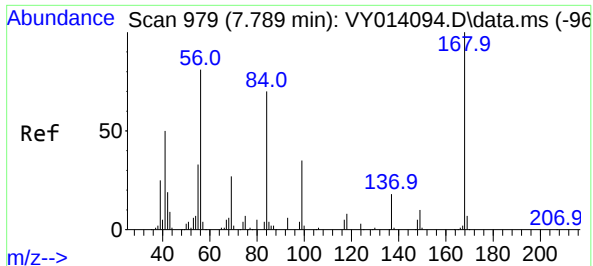
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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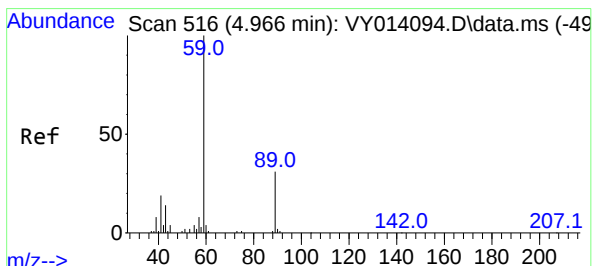
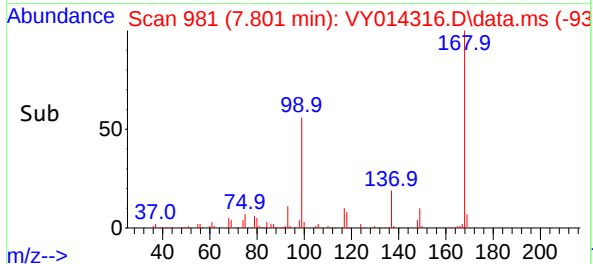
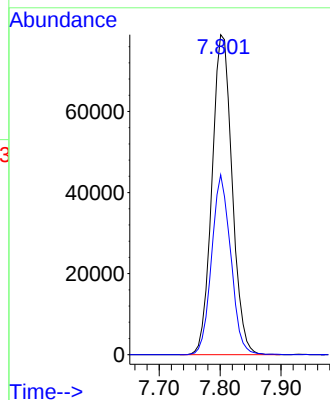
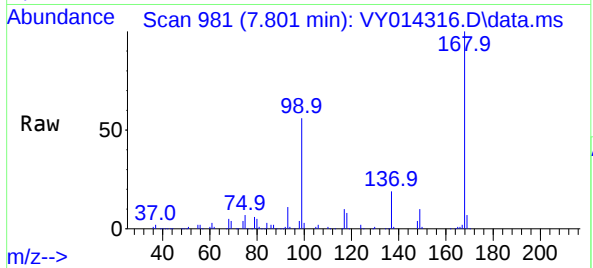




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

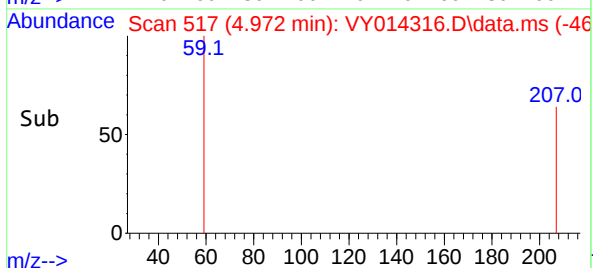
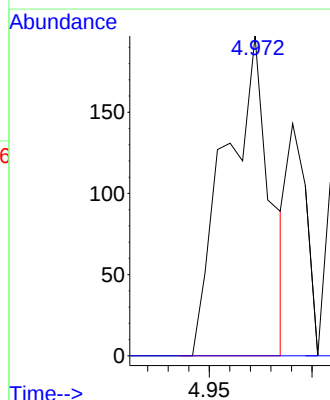
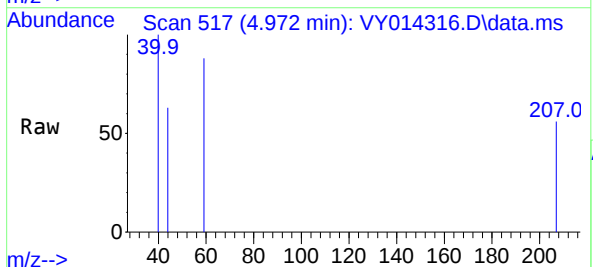
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-7

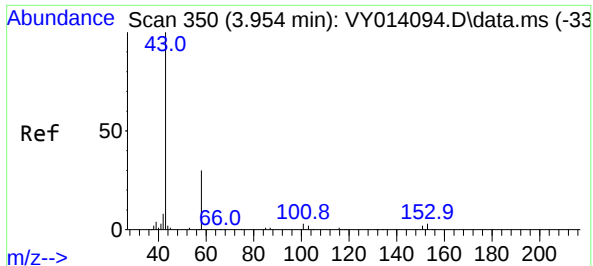
Tgt Ion:168 Resp: 181292
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.006 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

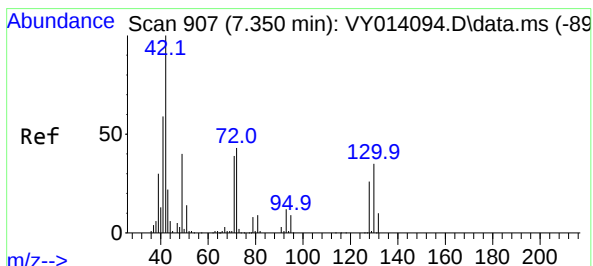
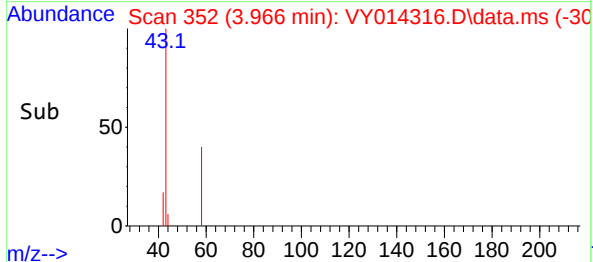
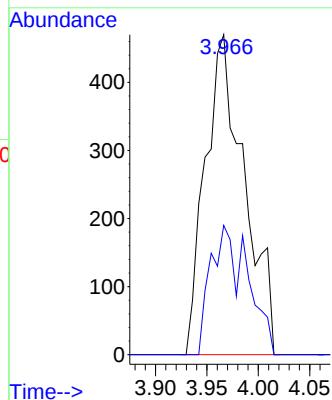
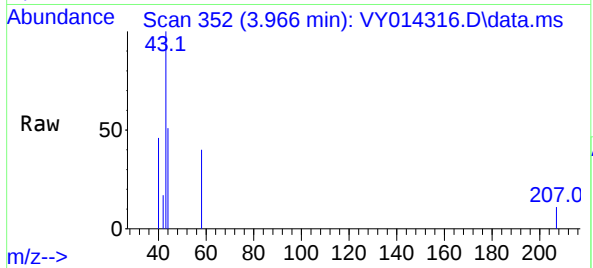




#16
Acetone
Concen: 1.632 ug/l
RT: 3.966 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

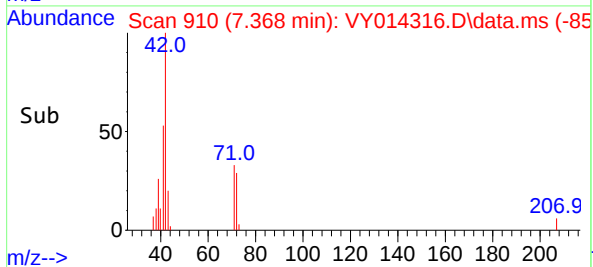
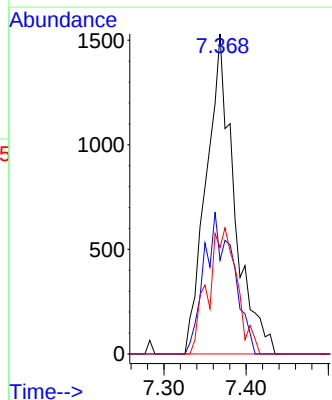
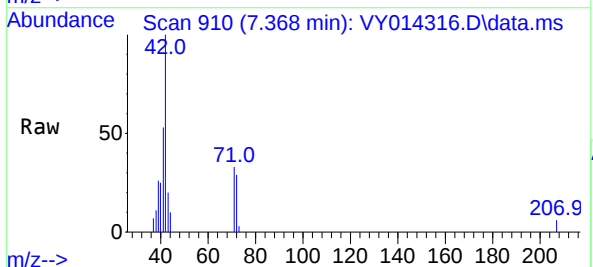
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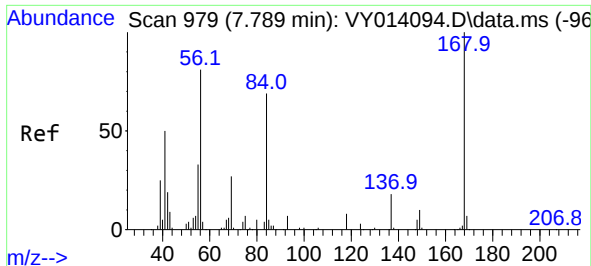
Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
58 40.4 22.7 34.1#



#29
Tetrahydrofuran
Concen: 6.121 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion: 42 Resp: 3636
Ion Ratio Lower Upper
42 100
72 45.4 32.8 49.2
71 40.7 31.0 46.4

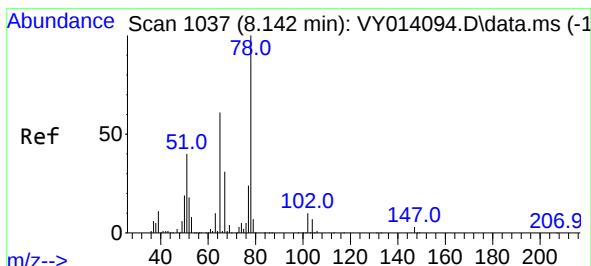
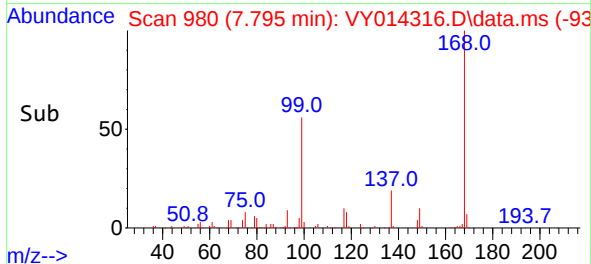
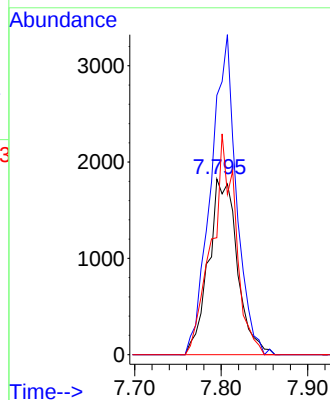
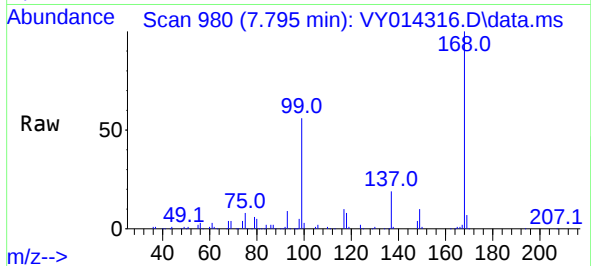




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

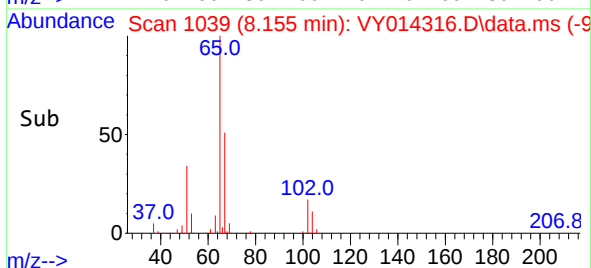
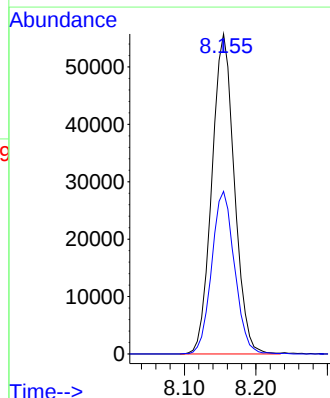
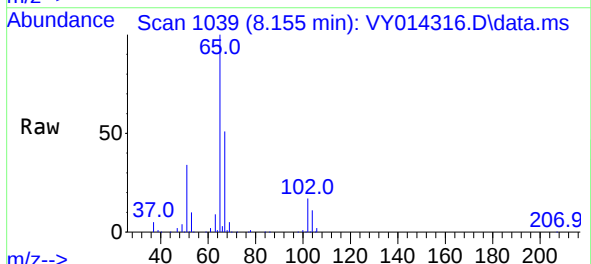
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SW04-8-15-GRAB-7

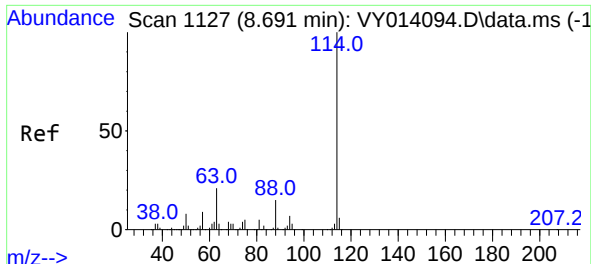
Tgt Ion: 56 Resp: 4214
Ion Ratio Lower Upper
56 100
69 147.6 27.8 41.6#
84 66.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 48.323 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion: 65 Resp: 121993
Ion Ratio Lower Upper
65 100
67 51.5 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: VY014316.D

Acq: 21 Jun 2023 05:10

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SW04-8-15-GRAB-7

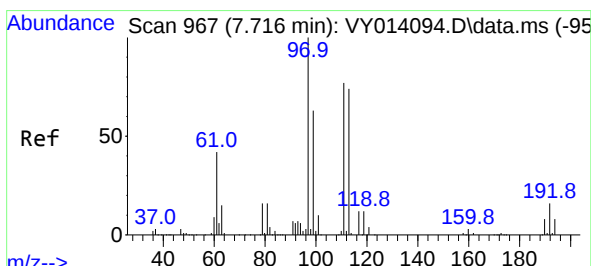
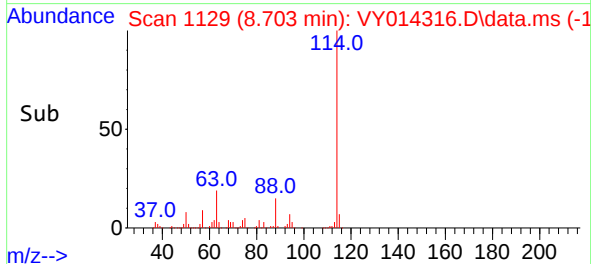
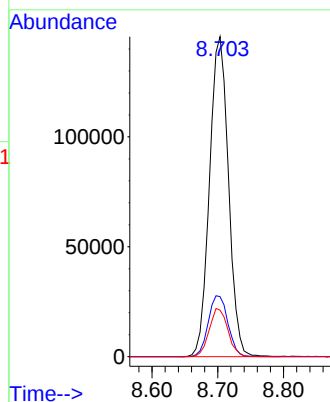
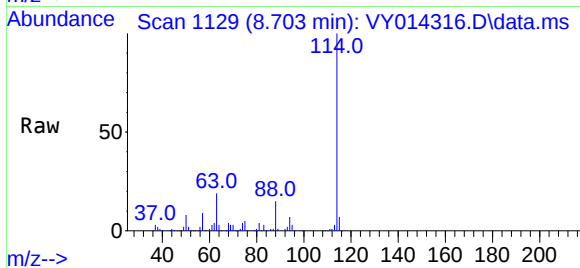
Tgt Ion:114 Resp: 291844

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.245 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY014316.D

Acq: 21 Jun 2023 05:10

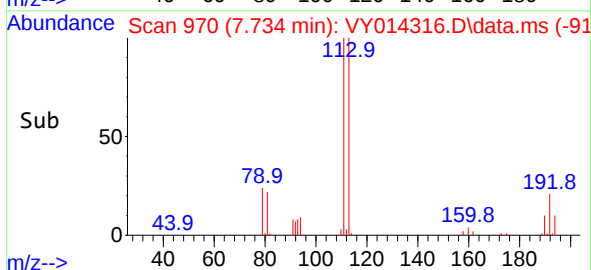
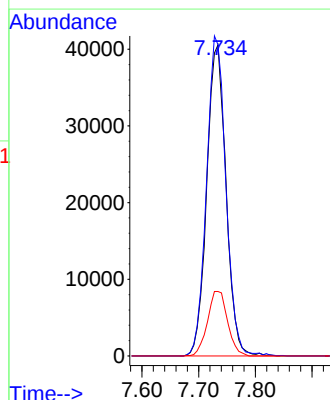
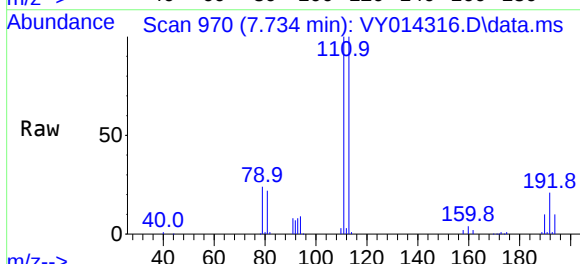
Tgt Ion:113 Resp: 95713

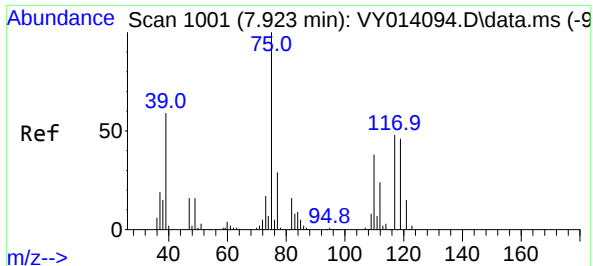
Ion Ratio Lower Upper

113 100

111 103.6 81.3 121.9

192 21.7 16.9 25.3

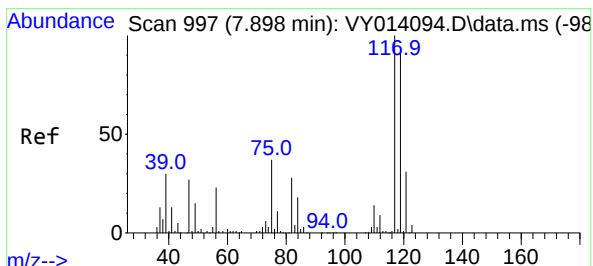
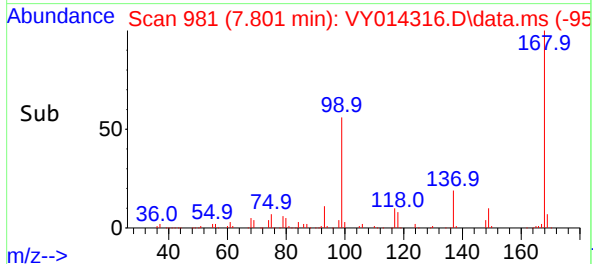
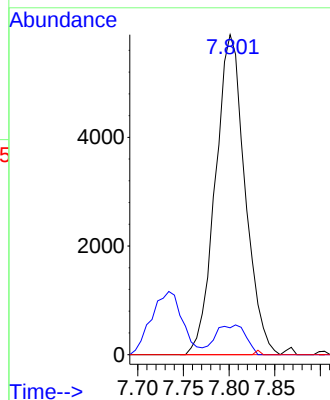
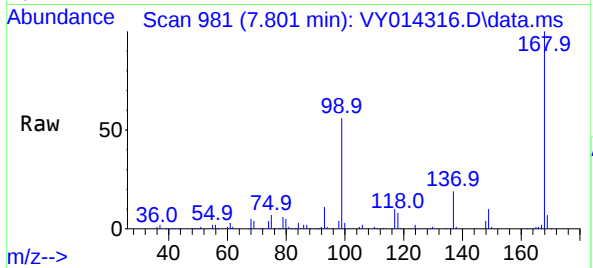




#36
1,1-Dichloropropene
Concen: 4.107 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

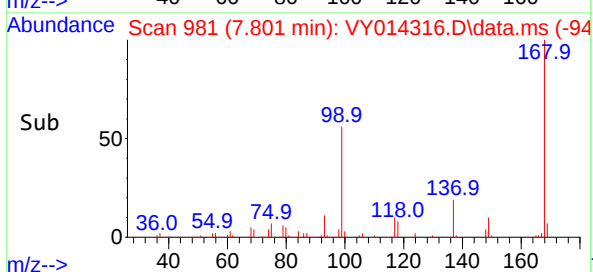
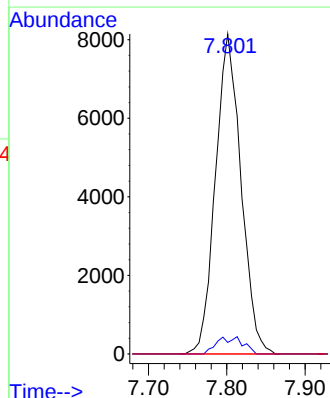
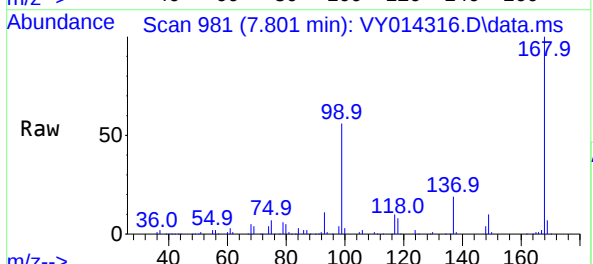
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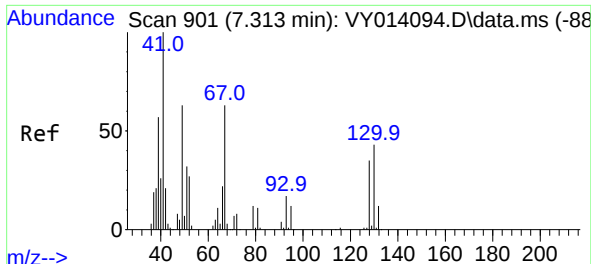
Tgt Ion: 75 Resp: 13253
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.097 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion:117 Resp: 18444
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#

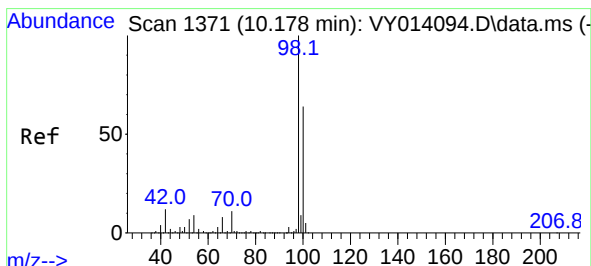
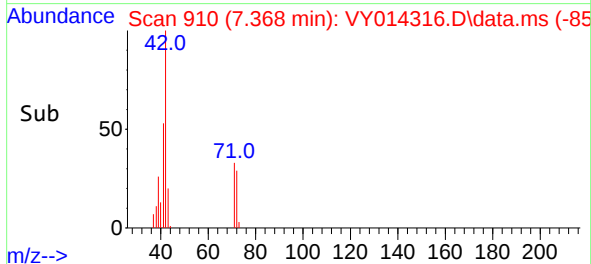
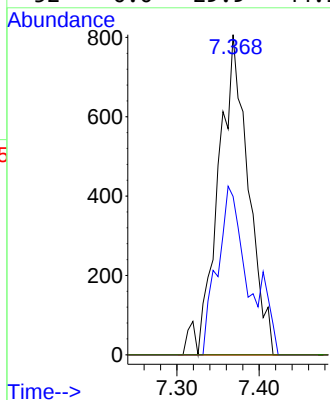
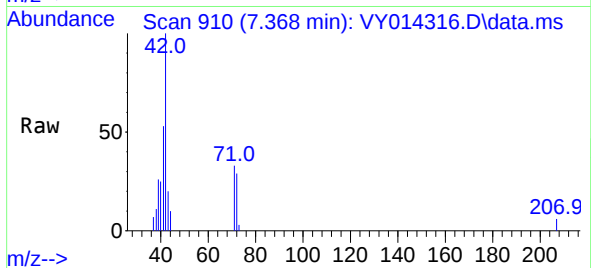




#41
Methacrylonitrile
Concen: 1.815 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.055 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

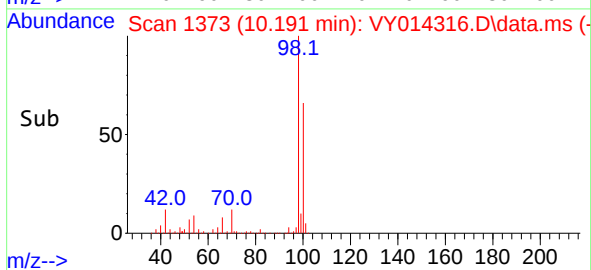
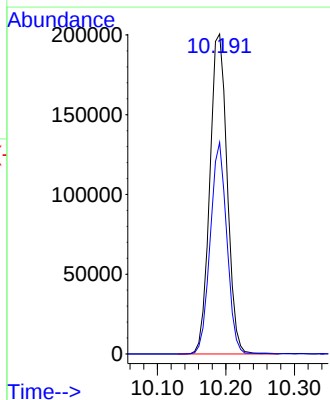
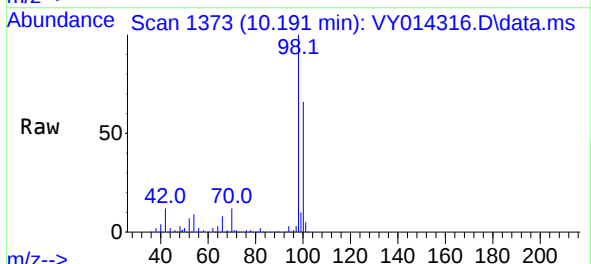
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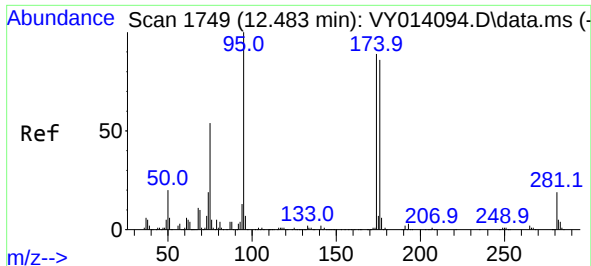
Tgt Ion: 41	Resp: 2062
Ion Ratio	Lower Upper
41 100	
39 47.0	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 45.515 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.013 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion: 98	Resp: 352186
Ion Ratio	Lower Upper
98 100	
100 63.1	50.1 75.1

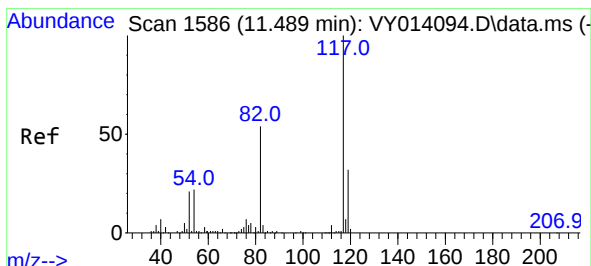
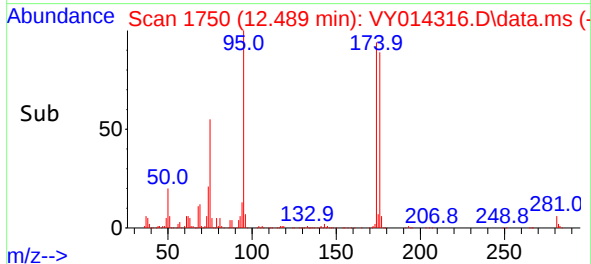
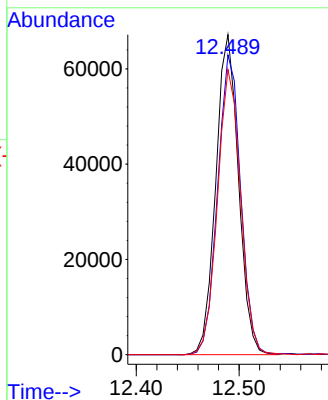
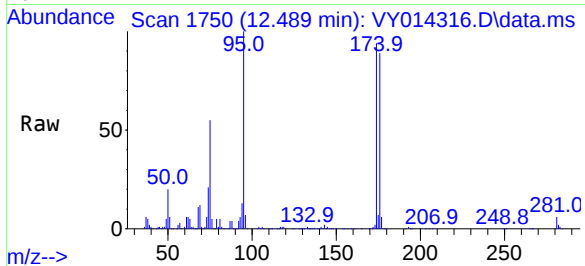




#62
4-Bromofluorobenzene
Concen: 37.417 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

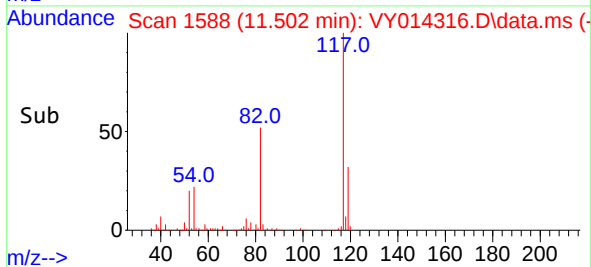
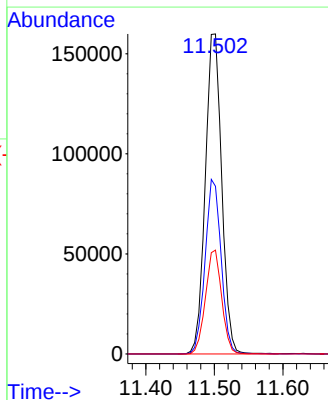
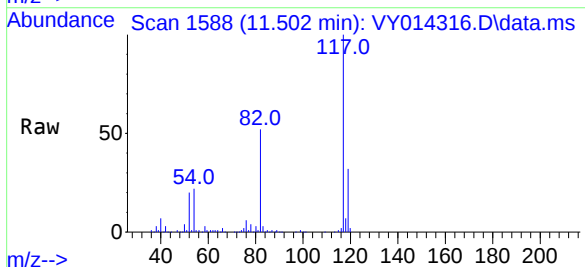
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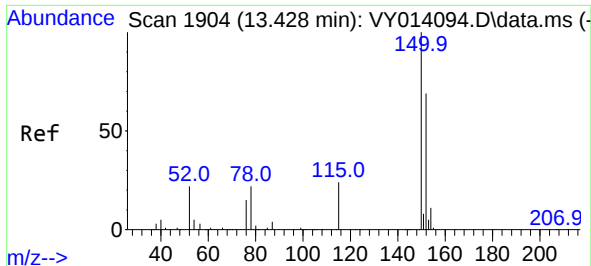
Tgt Ion: 95 Resp: 102848
Ion Ratio Lower Upper
95 100
174 95.5 0.0 178.2
176 90.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.013 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

Tgt Ion: 117 Resp: 267289
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 32.5 26.3 39.5

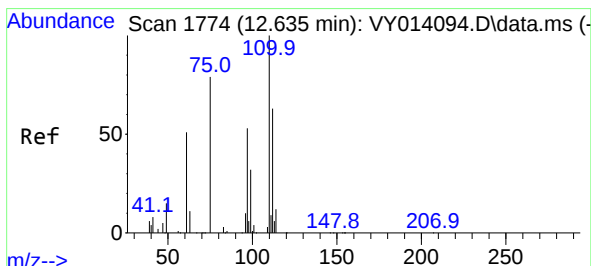
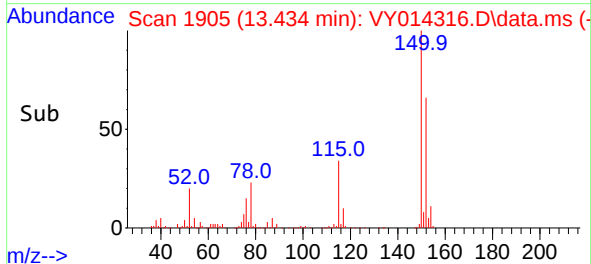
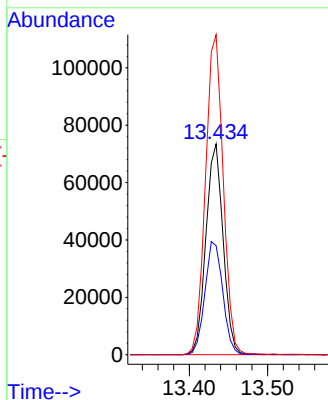
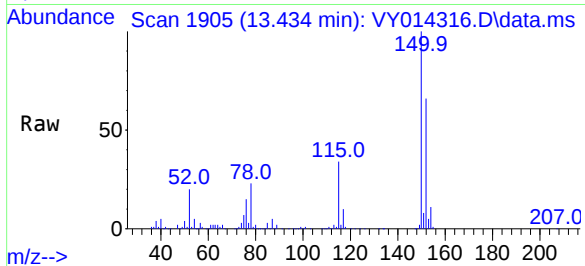




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

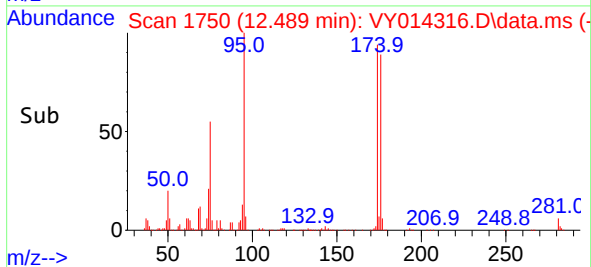
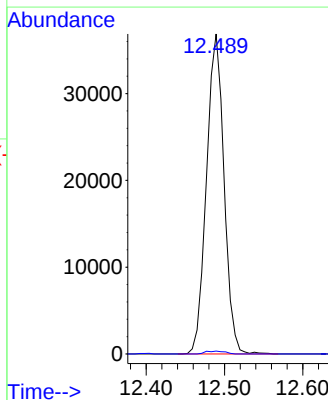
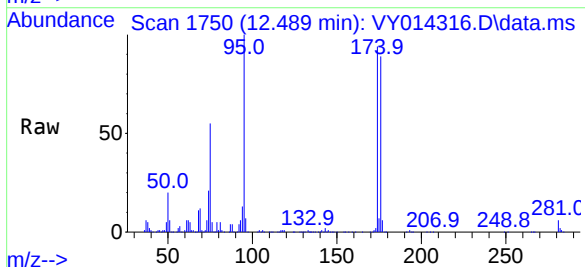
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SW04-8-15-GRAB-7

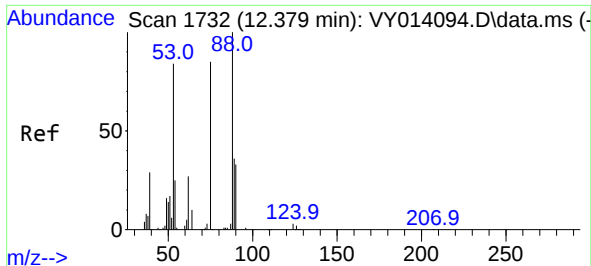
Tgt Ion:152 Resp: 112039
Ion Ratio Lower Upper
152 100
115 55.6 28.8 86.5
150 155.9 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 38.995 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014316.D
Acq: 21 Jun 2023 05:10

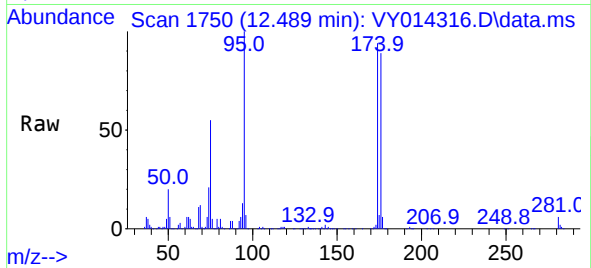
Tgt Ion: 75 Resp: 57319
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.291 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014316.D
 Acq: 21 Jun 2023 05:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SW04-8-15-GRAB-7



Tgt Ion: 75 Resp: 57319
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.1 37.4 56.0#

