

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012266.D
 Acq On : 19 Jan 2023 15:24
 Operator : KP/MD
 Sample : 01190-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1

Quant Time: Jan 20 03:24:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

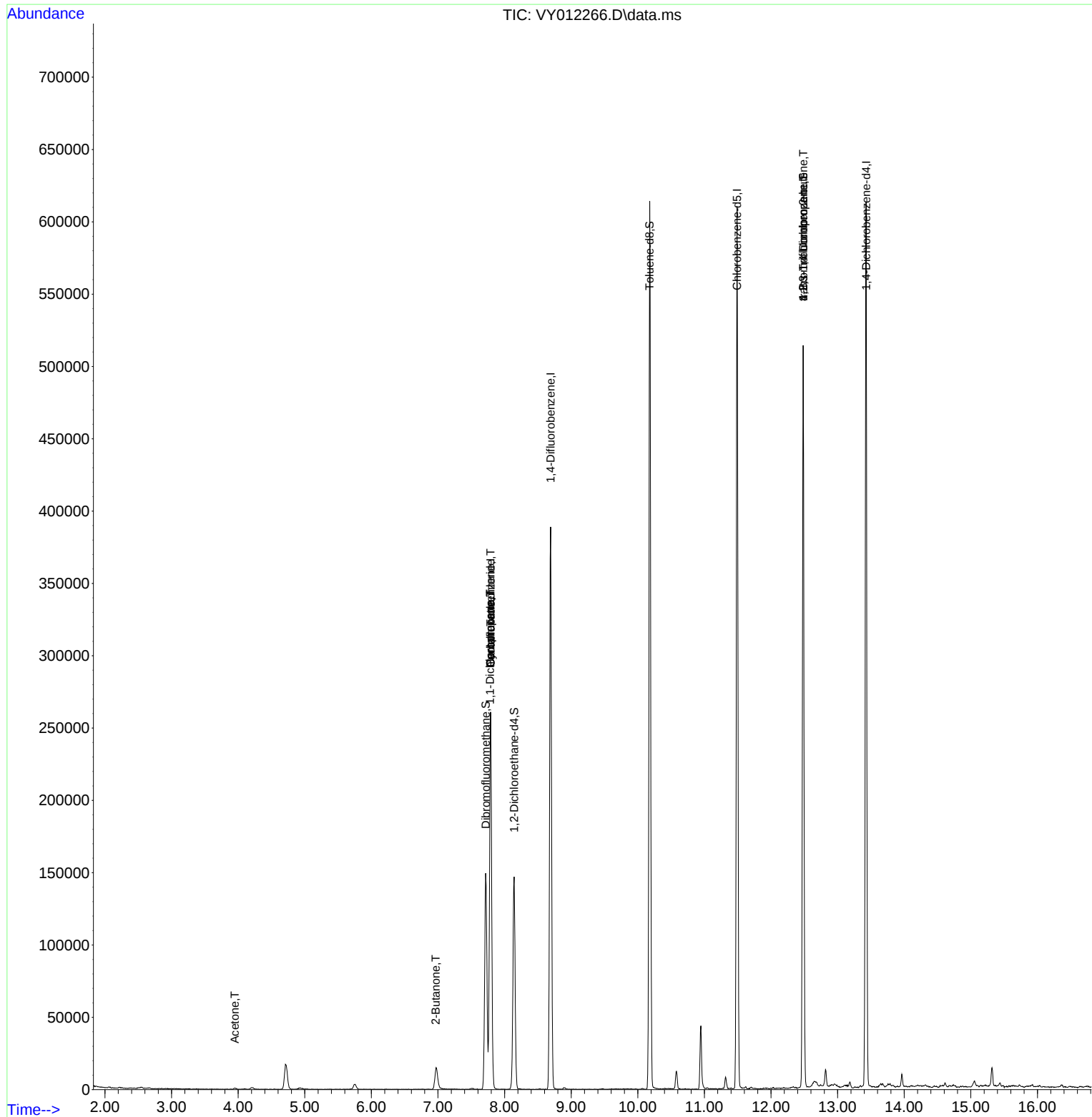
Internal Standards						
1) Pentafluorobenzene	7.789	168	208950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	346947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	338708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	119701	70.744	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.480%	
35) Dibromofluoromethane	7.715	113	103833	56.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.040%	
50) Toluene-d8	10.178	98	413707	66.418	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.840%	
62) 4-Bromofluorobenzene	12.483	95	146630	56.620	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	292	Below Cal	#	74
16) Acetone	3.948	43	1350	2.320	ug/l	97
20) Methylene Chloride	4.710	84	14933	Below Cal		85
25) 2-Butanone	6.966	43	759	1.182	ug/l	# 46
31) Cyclohexane	7.789	56	3343	1.097	ug/l	# 4
36) 1,1-Dichloropropene	7.782	75	13399	4.292	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	20604	5.110	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	76523	50.374	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	76523	103.794	ug/l	# 13

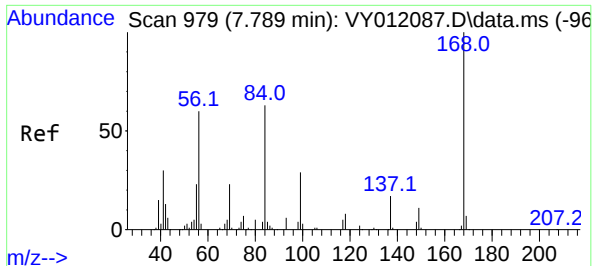
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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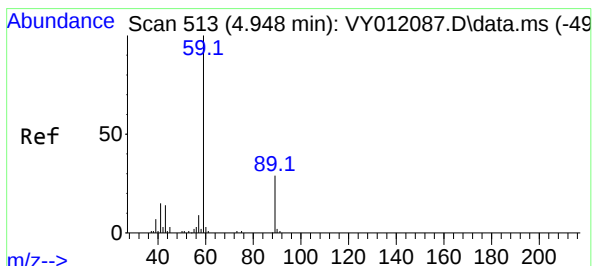
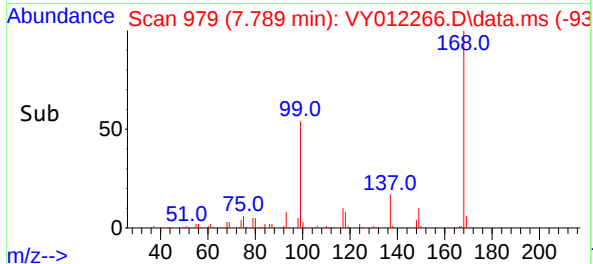
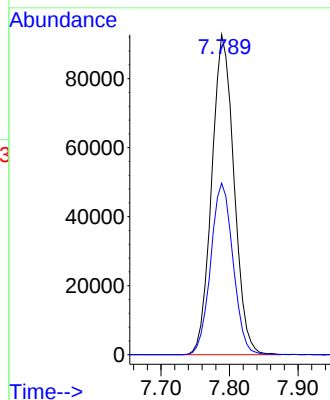
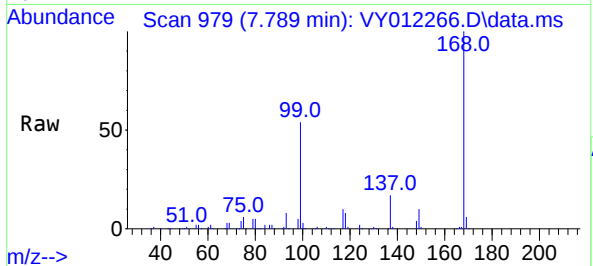




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

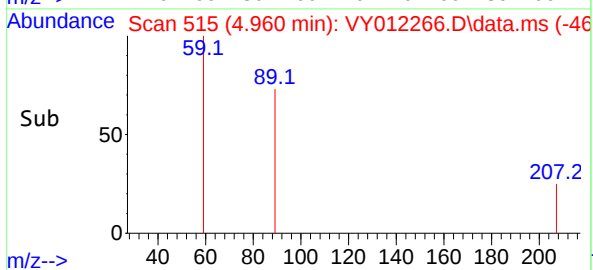
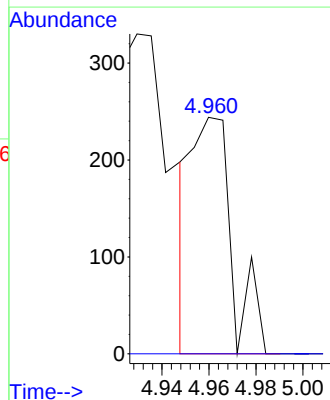
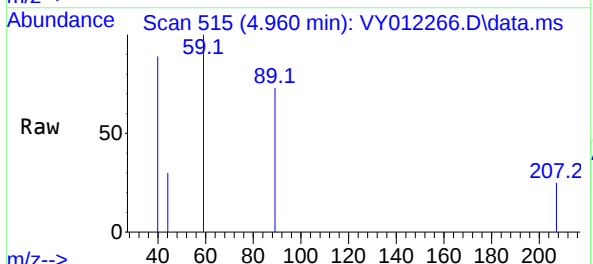
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

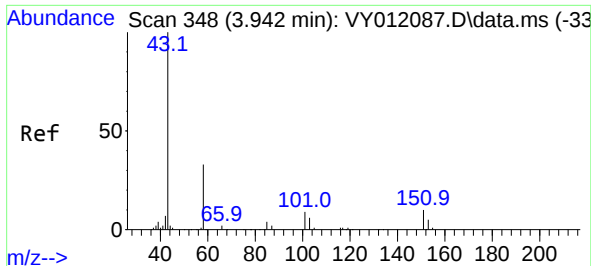
Tgt Ion:168 Resp: 208950
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

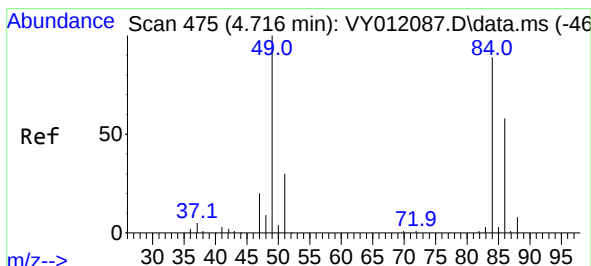
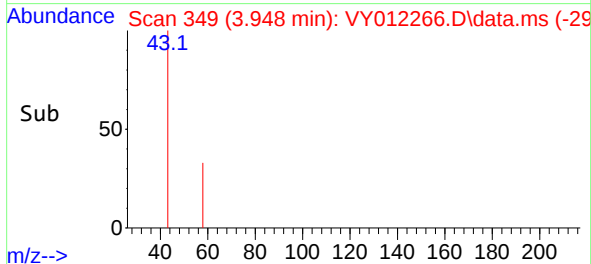
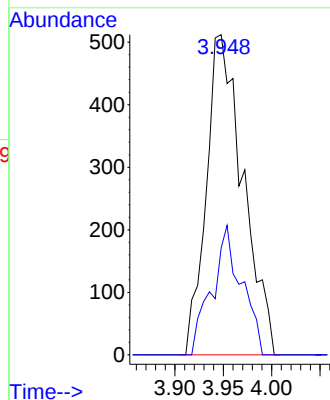
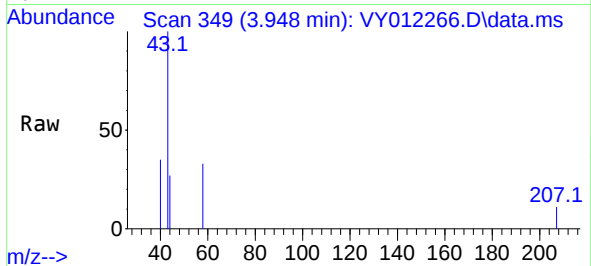




#16
Acetone
Concen: 2.320 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

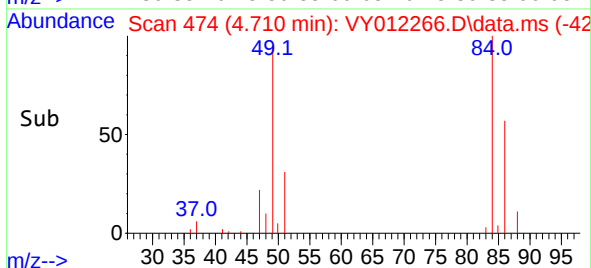
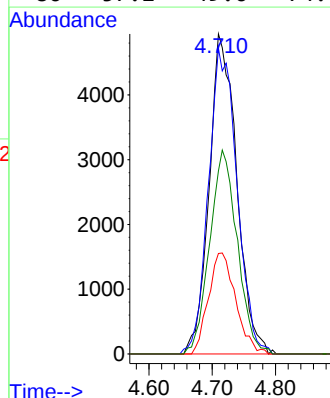
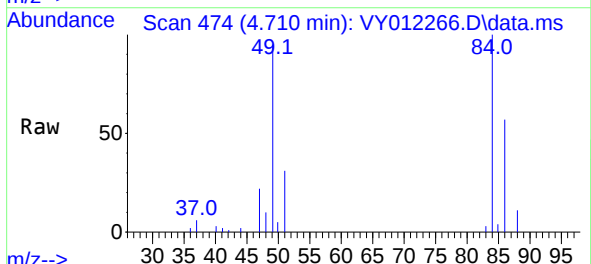
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

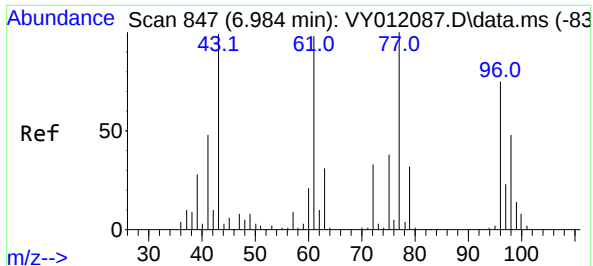
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
58 33.4 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

Tgt Ion: 84 Resp: 14933
Ion Ratio Lower Upper
84 100
49 95.5 95.4 143.2
51 31.4 29.9 44.9
86 57.2 49.6 74.4





#25

2-Butanone

Concen: 1.182 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY012266.D

Acq: 19 Jan 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

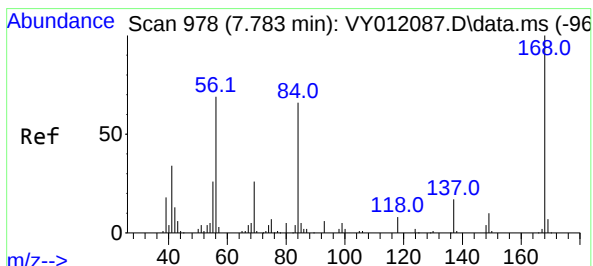
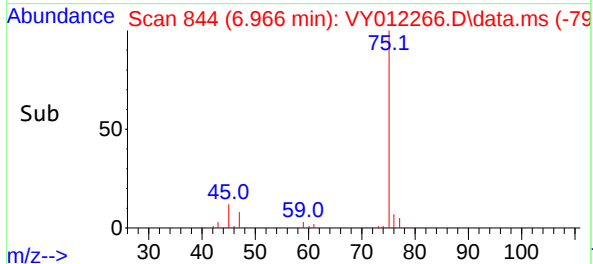
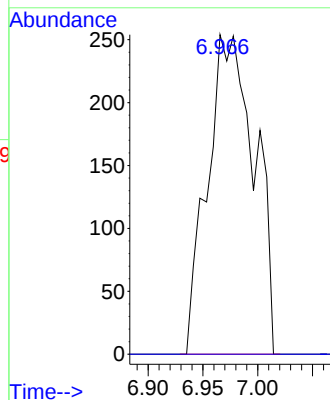
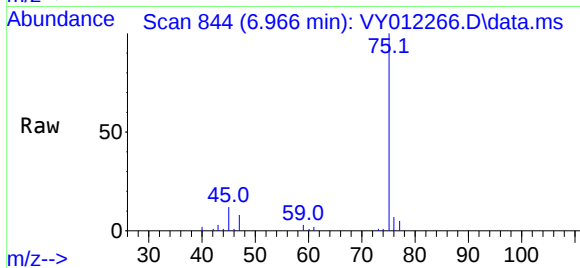
PE-1

Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012266.D

Acq: 19 Jan 2023 15:24

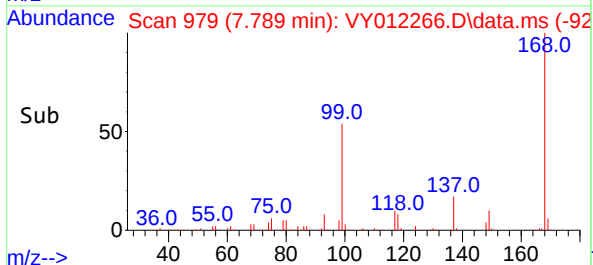
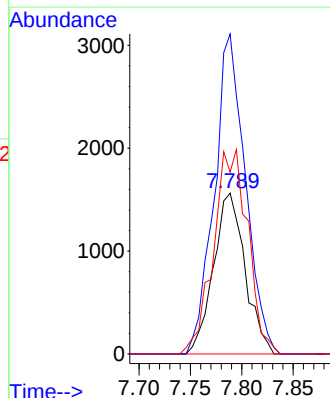
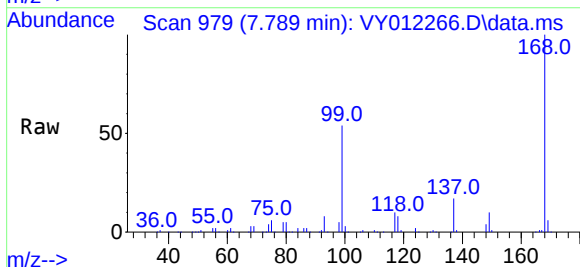
Tgt Ion: 56 Resp: 3343

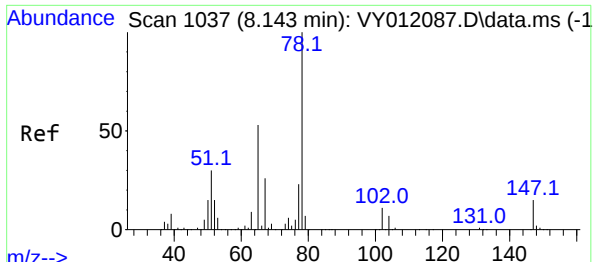
Ion Ratio Lower Upper

56 100

69 199.0 29.2 43.8#

84 113.0 72.6 108.8#

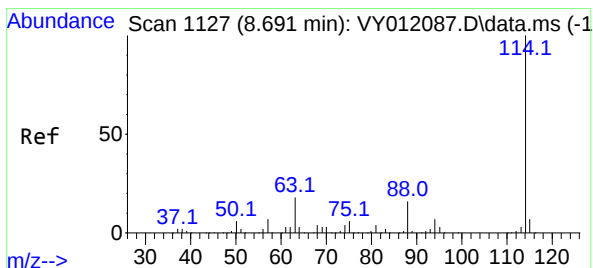
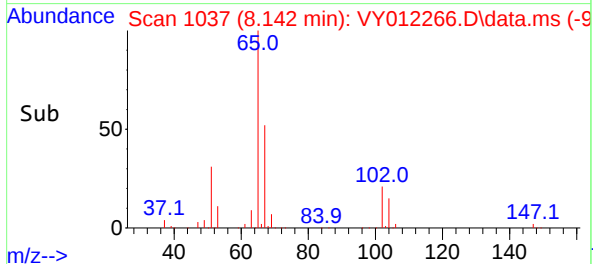
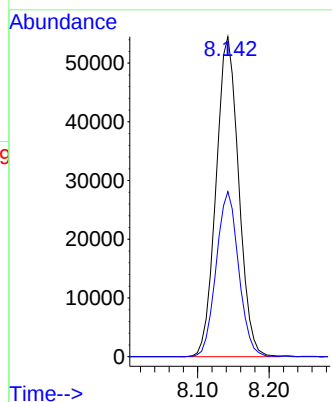
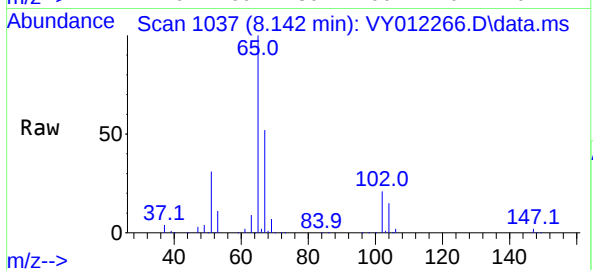




#33
1,2-Dichloroethane-d4
Concen: 70.744 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

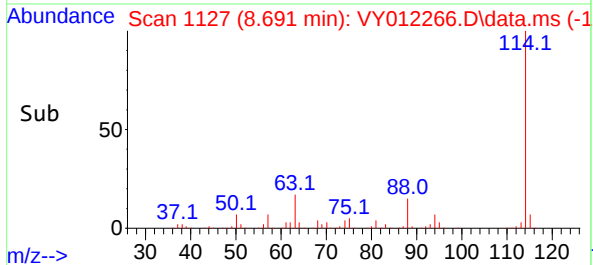
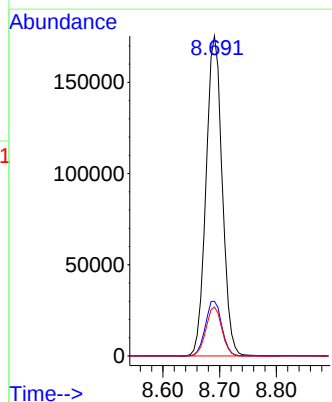
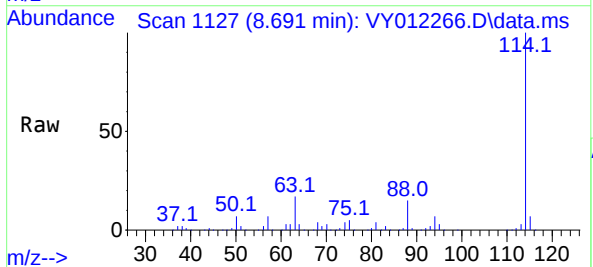
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

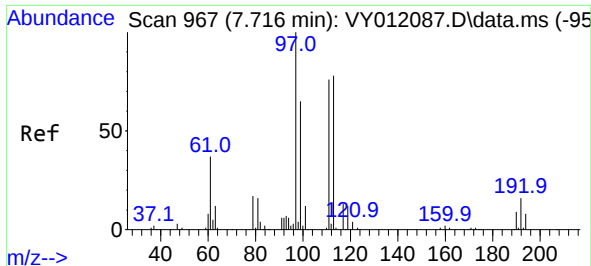
Tgt Ion: 65 Resp: 119701
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

Tgt Ion:114 Resp: 346947
Ion Ratio Lower Upper
114 100
63 17.1 0.0 39.6
88 15.3 0.0 32.2

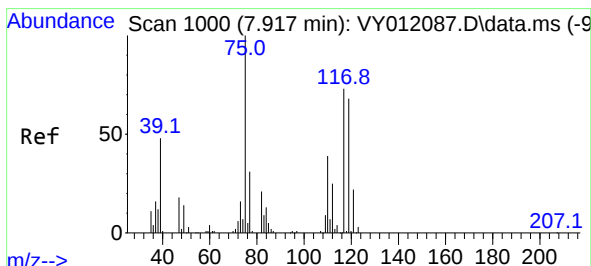
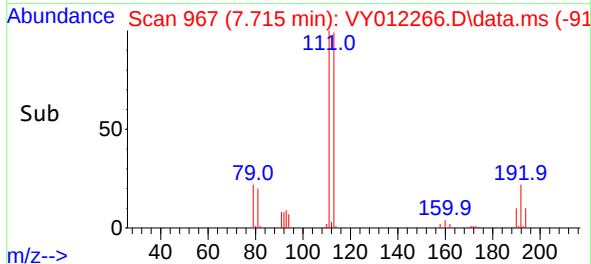
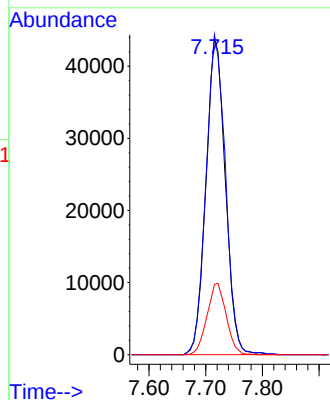
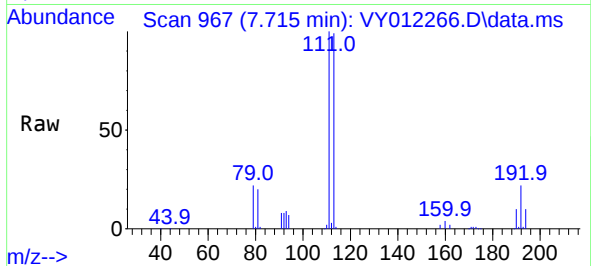




#35
Dibromofluoromethane
Concen: 56.521 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

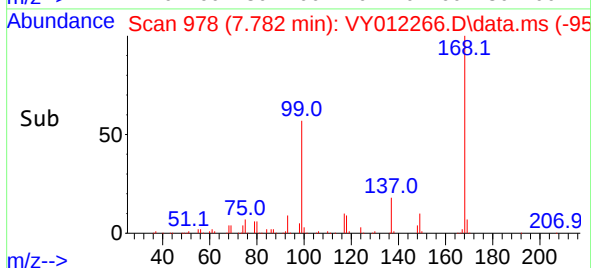
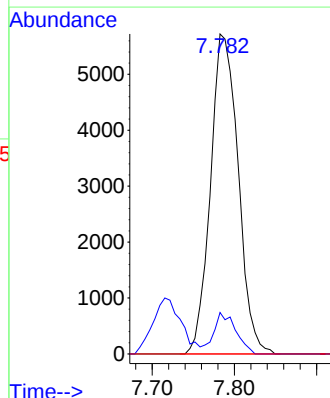
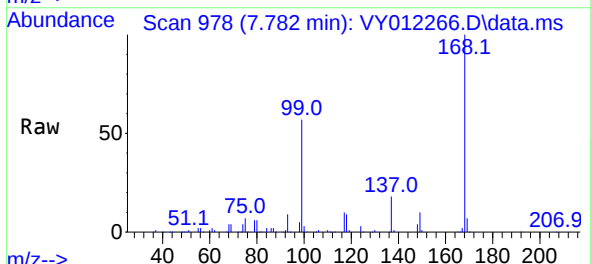
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

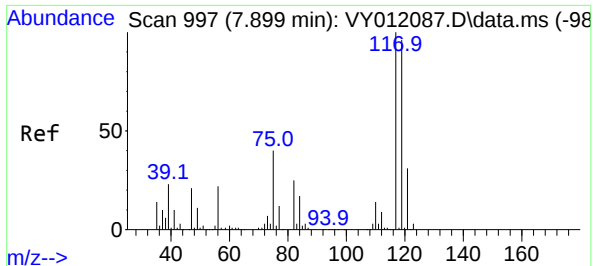
Tgt Ion:113 Resp: 103833
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.4
192 22.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.292 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

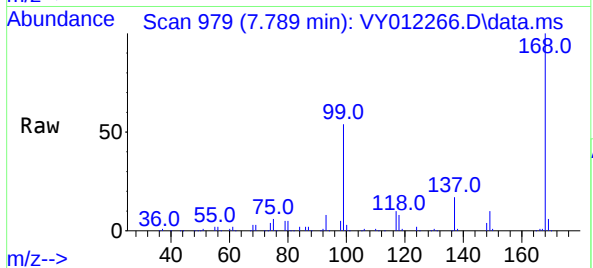
Tgt Ion: 75 Resp: 13399
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.1#
77 0.0 25.1 37.7#



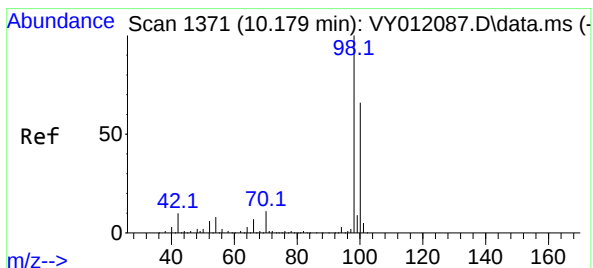
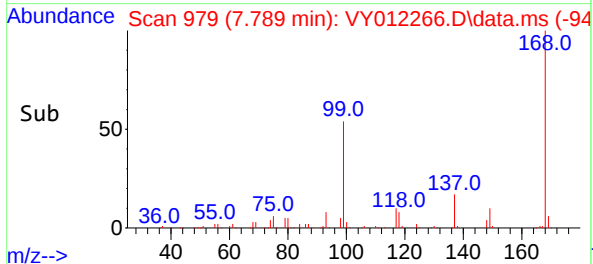
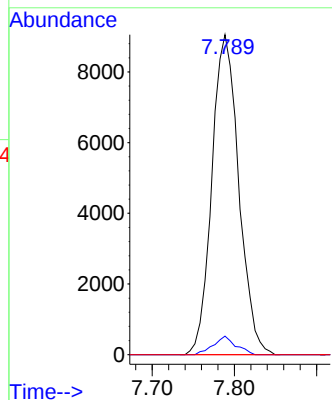


#38
Carbon Tetrachloride
Concen: 5.110 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

Instrument :
MSVOA_Y
ClientSampleId :
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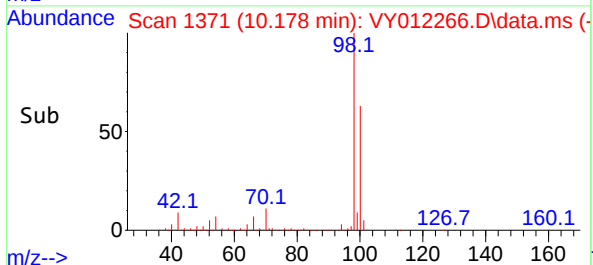
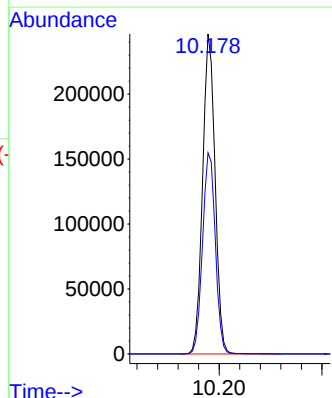
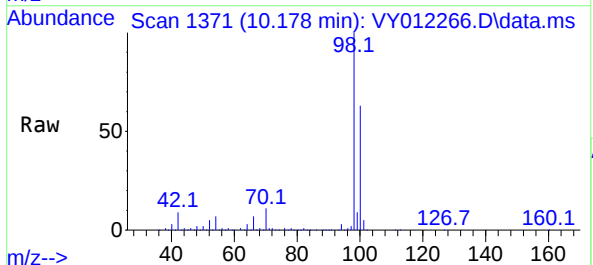


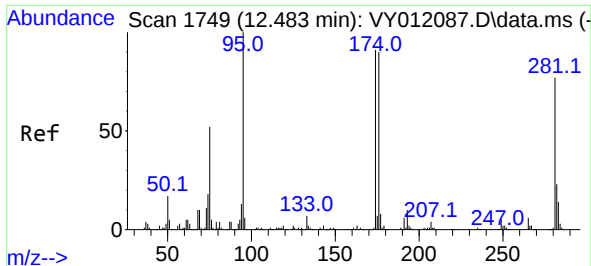
Tgt Ion:117 Resp: 20604
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 66.418 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

Tgt Ion: 98 Resp: 413707
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

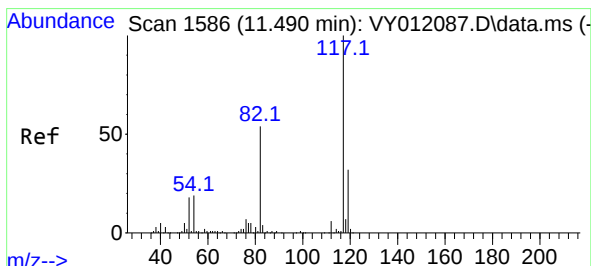
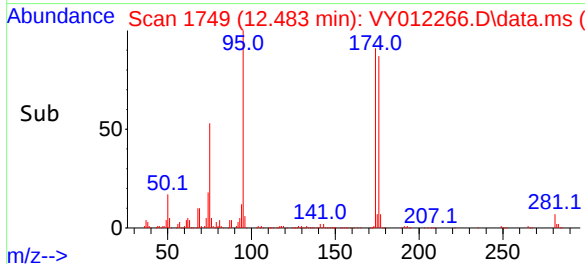
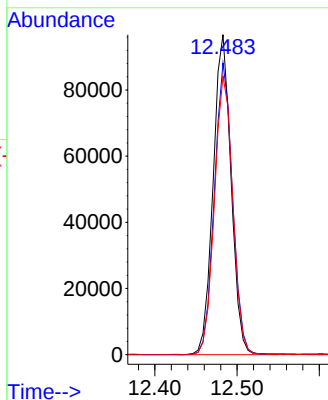
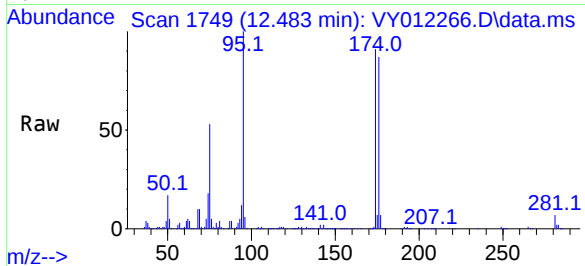




#62
4-Bromofluorobenzene
Concen: 56.620 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

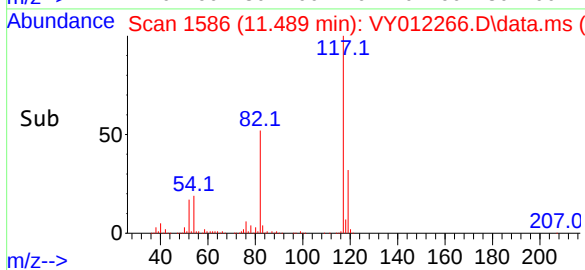
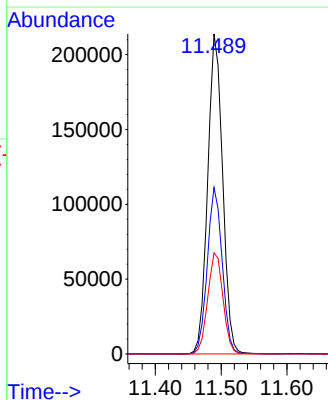
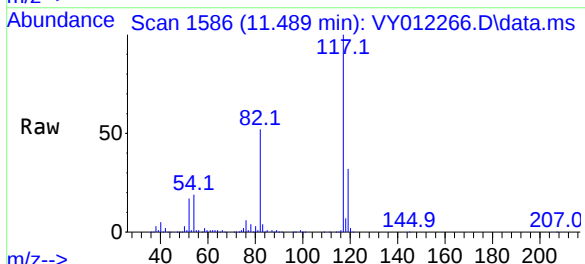
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

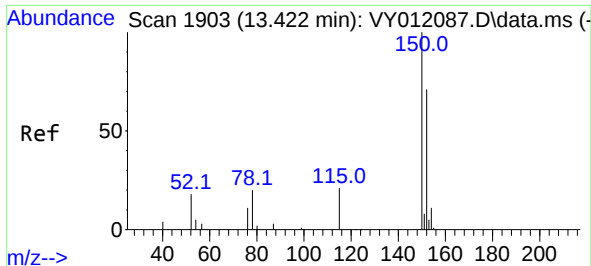
Tgt Ion: 95 Resp: 146630
Ion Ratio Lower Upper
95 100
174 92.1 0.0 172.0
176 89.1 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

Tgt Ion: 117 Resp: 338708
Ion Ratio Lower Upper
117 100
82 52.0 44.8 67.2
119 31.6 25.4 38.2

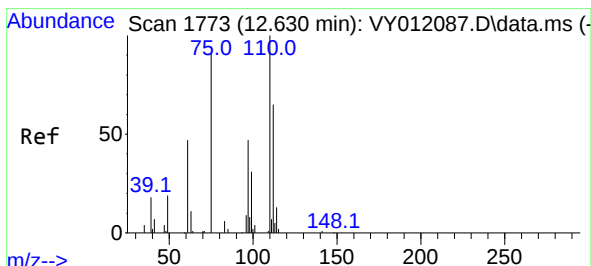
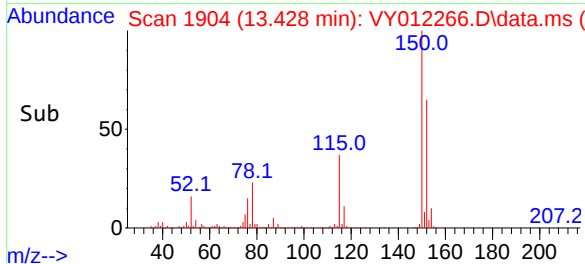
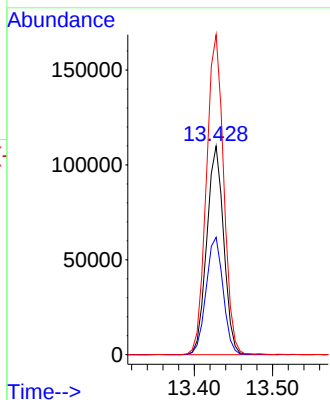
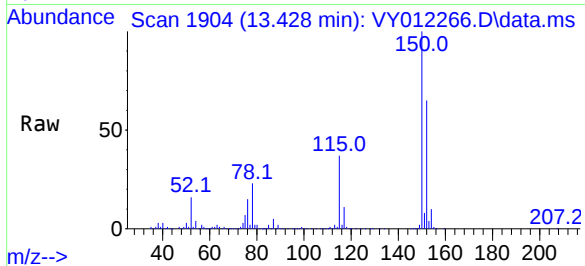




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

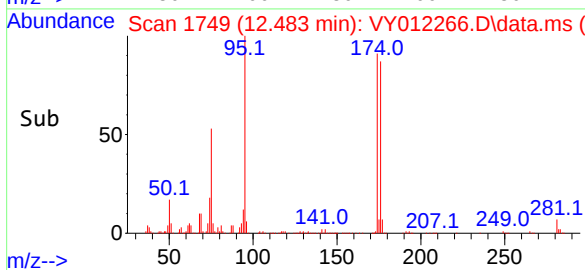
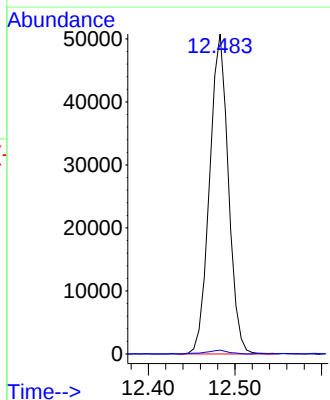
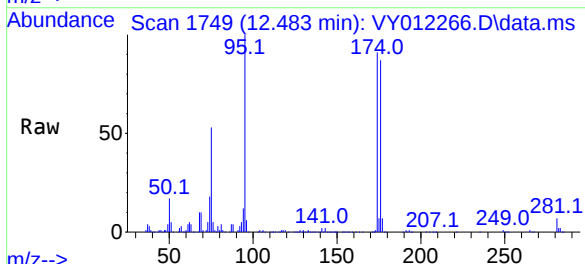
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

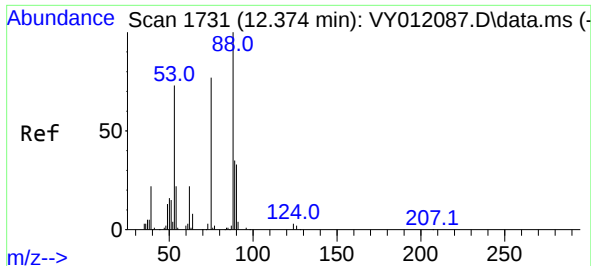
Tgt Ion:152 Resp: 165201
Ion Ratio Lower Upper
152 100
115 56.5 29.1 87.3
150 156.1 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 50.374 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012266.D
Acq: 19 Jan 2023 15:24

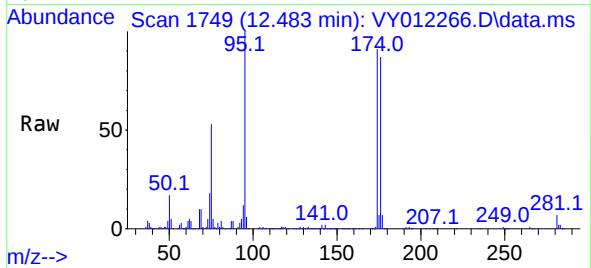
Tgt Ion: 75 Resp: 76523
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.794 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012266.D
 Acq: 19 Jan 2023 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1



Tgt Ion: 75 Resp: 76523
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.1 37.0 55.4#

